GRAYSON INDUSTRIES, INC.

September 7, 2016

ATT: **Ms. Jessica Chambers, Senior Buyer**
State of West Virginia, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: Title of Bid: FASTEN16 - Fasteners and Fastening Devices
RFB Number: FASTEN16
OPENING/DUE DATE: September 13, 2016; 1:30 P.M.

Dear Ms. Chambers and Fellow Purchasing Department Members:

Thank you for the opportunity to submit our response to the above referenced Solicitation **FASTEN16 - Fasteners and Fastening Devices**.

Pursuant to the Bidding Instructions, enclosed please find the following:

1. One original of the Solicitation package including acknowledgement of receipt of Addendums 1 and 2. Also Grayson's Bid Reference Guide for lookup of bid items. These sheets are located in the package and in the front of the notebook that holds both the Catalog and Net Price List. These two pages will show where each item on the Bid Pricing Sheets is located in both the Grayson Master Catalog and in the Grayson Net Price List. The specific pages in the catalog and price list are also bent down in the corner as per the bid instructions.

2. One printed copy of Grayson Industries, Inc. 2016-17 (29th Edition) Catalog and a Net price list effective date 11/01/2015. Please note that all NET PRICES on this price list are ALREADY DISCOUNTED 80%.

3. Two USB thumb drives which contain electronic copies of the CatalogDiscount_PricingPage, Grayson's Master Net Price List, Grayson's 2016-17 Catalog, and the Bid Reference Guide. Also on these thumb drives you will find a full scanned copy of Grayson's response to SWC1700000002. Both drives contain the exact same materials. Two were sent as a backup.

4. Grayson Industries, Inc. was incorporated in the State of Florida in 1987 and we are in good standing. Online copies of our Annual Corporate Reports may be viewed at www.sunbiz.org, Florida's corporations website.

7027 W. Broward Blvd., #327 • Plantation, FL 33317
Phone: (866) 720-0175 • 24-hr. Phone: (954) 868-2771 • FAX: (954) 720-0175
graysonind@gmail.com

09/09/16 14:01:34
WV Purchasing Division

"For All Your Fastener Needs"

RE: Bid Solicitation: FASTEN16
BID TITLE: FASTEN16 - Fasteners and Fastening Devices
Opening Due Date: September 13, 2016, 1:30 p.m.

5. A copy of our Guarantee which is always found on the last page of our catalog notebook stating that all products are guaranteed for not less than one year. Also we have a Guaranteed Obsolescence Program which allows you to return any product not needed at the end of each calendar year to receive a full credit.

6. All products will be shipped directly to you FOB. Steel products will ship from Titan Fastener Products, Inc. and Earnest Machine. Stainless, silicone bronze, and brass will ship from Star Stainless Screw Co. Metric products will ship from Metric and Multistandard Co. Each of these suppliers has multiple, fully-stocked warehouses across the country.

7. For the entirety of our time in business, Grayson has specialized in supplying State and Local governmental agencies with all of their fastener/automotive supply needs. We have many diversified types of Contracts.

8. We offer excellent customer service. Our sales force is comprised of people with many years of experience in the fastener industry. These customer sales specialists are a tremendous resource to all of our customers and their employees.

When we receive an order via phone, fax, or email, within 1-5 days, you can expect delivery of the needed items. Emergency overnight delivery is also available upon request.

We offer a 2%-20 day discount or welcome the use of MasterCard and Visa should your Accounts Payable Department prefer to pay by credit with West Virginia Purchasing Cards (P-cards).

If you require any further clarification or have any questions, please do not hesitate to contact me directly. Thank you for your consideration.

Sincerely,

GRAYSON INDUSTRIES, INC.

Karen W. Rose, Secretary

KWR/nmr

7027 W. Broward Blvd., #327 • Plantation, FL 33317
Phone: (866) 720-0175 • 24-hr. Phone: (954) 868-2771 • FAX: (954) 720-0175
graysonind@gmail.com

"For All Your Fastener Needs"

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: FASTEN16

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[X]	Addendum No. 1	[ ]	Addendum No. 6
[X]	Addendum No. 2	[ ]	Addendum No. 7
[ ]	Addendum No. 3	[ ]	Addendum No. 8
[ ]	Addendum No. 4	[ ]	Addendum No. 9
[ ]	Addendum No. 5	[ ]	Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

GRAYSON INDUSTRIES, INC.
Company

Karen Rose
Authorized Signature

September 6, 2016
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012

Purchasing Divison
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Request for Quotation
27 -- Miscellaneous

Proc Folder: 244354

Doc Description: FASTEN16- Fasteners and Fastening Devices

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2016-08-11	2016-09-13 13:30:00	CRFQ 0212 SWC1700000002	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Name, Address and Telephone Number:

GRAYSON INDUSTRIES, INC.
7027 W. Broward Blvd., #327
Plantation, FL 33317
Telephone: 866-720-0175 and 954-868-2771 (24-hours/day)
Fax: 954-720-0175

FOR INFORMATION CONTACT THE BUYER

Jessica S Chambers
(304) 558-0246
jessica.s.chambers@wv.gov

Signature X Karen Rose FEIN # 59-2823537 DATE September 7, 2016

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMAITON:

The West Virginia Purchasing Division is soliciting bids on behalf of the State of West Virginia to establish a Statewide Contract for Fasteners and Fastening Devices. The Contract awarded from this Solicitation shall cover Eligible Items from Vendor's Catalog and will be delivered statewide, per the specifications, and Terms and Conditions as attached.

INVOICE TO	SHIP TO
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV99999 US	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Pricing per the attached Pricing Page (Exhibit A)	0.00000	EA		$ 15,730.00

Comm Code	Manufacturer	Specification	Model #
31162400			

Extended Description :

Please see attached pricing page for pricing information.

GRAYSON INDUSTRIES, INC.

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

☑ A pre-bid meeting will not be held prior to bid opening

☐ A **NON-MANDATORY PRE-BID** meeting will be held at the following place and time:

☐ A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: August 29, 2016 at 9:00 AM (EST)

Submit Questions to: Jessica Chambers
2019 Washington Street, East
Charleston, WV 25305
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)
Email: Jessica.S.Chambers@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID: SWC FASTEN16
BUYER: Jessica Chambers
SOLICITATION NO.: CRFQ FASTEN16
BID OPENING DATE: September 13, 2016
BID OPENING TIME: 1:30 PM (EST)
FAX NUMBER: (304) 558-3970

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to an Expression or Interest or Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus N/A convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)
☐ Technical
☐ Cost

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: September 13, 2016 at 1:30 PM (EST)

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATES: Any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the $125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may only be granted upon written request and only in accordance with the West Virginia Code § 5A-3-37 and the West Virginia Code of State Rules. A Vendor Preference Certificate form has been attached hereto to allow Vendor to apply for the preference. Vendor's failure to submit the Vendor Preference Certificate form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately opened and/or viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening if those documents are required with the bid.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform, or lacks the integrity and reliability to assure good-faith performance."

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b."

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☑ **Term Contract**

Initial Contract Term: This Contract becomes effective on Upon Award and extends for a period of one year(s).

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to two successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed 36 months in total. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

☐ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

☐ **Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days.

Upon completion, the vendor agrees that maintenance, monitoring, or warranty services will be provided for one year thereafter with an additional _____ successive one year renewal periods or multiple renewal periods of less than one year provided that the multiple renewal periods do not exceed _____ months in total. Automatic renewal of this Contract is prohibited.

☐ **One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

☐ **Other:** See attached.

4. NOTICE TO PROCEED: Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

☑ **Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

☐ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

☐ **One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute of breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

☐ **BID BOND (Construction Only):** Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

☐ **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of _____. The performance bond must be received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.

☐ **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.
In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under $100,000. Personal or business checks are not acceptable.

☐ **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

☐ **INSURANCE:** The apparent successful Vendor shall furnish proof of the following insurance prior to Contract award and shall list the state as a certificate holder:

☐ **Commercial General Liability Insurance:** In the amount of _____ _____ or more.

☐ **Builders Risk Insurance:** In an amount equal to 100% of the amount of the Contract.

☐

☐

☐

☐

☐

The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed above.

☐ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

☐

☐

☐

☐

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

8. WORKERS' COMPENSATION INSURANCE: The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

9. LITIGATION BOND: The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or $5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.

10. LIQUIDATED DAMAGES: Vendor shall pay liquidated damages in the amount of

_____

for _____.

This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

11. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

12. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.

13. PAYMENT: Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.

14. PURCHASING CARD ACCEPTANCE: The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.

☐ Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.

15. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

16. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

17. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

18. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-6.1.e.

19. TIME: Time is of the essence with regard to all matters of time and performance in this Contract.

20. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

21. COMPLIANCE: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

22. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

23. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

24. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

25. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

26. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.

27. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

28. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

29. BANKRUPTCY: In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/default.htmI.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. PURCHASING AFFIDAVIT: In accordance with West Virginia Code § 5A-3-10a, all Vendors are required to sign, notarize, and submit the Purchasing Affidavit stating that neither the Vendor nor a related party owe a debt to the State in excess of $1,000. The affidavit must be submitted prior to award, but should be submitted with the Vendor's bid. A copy of the Purchasing Affidavit is included herewith.

38. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE: This Contract may be utilized by other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"). Any extension of this Contract to the aforementioned Other Government Entities must be on the same prices, terms, and conditions as those offered and agreed to in this Contract, provided that such extension is in compliance with the applicable laws, rules, and ordinances of the Other Government Entity. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.

39. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

40. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

☑ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

☑ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.requisitions@wv.gov.

41. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision. The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

42. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars ($2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

43. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars ($50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the State of West Virginia to establish a Statewide Contract for Fasteners and Fastening Devices. The Contract awarded from this Solicitation shall cover Eligible Items from Vendor's Catalog. The Contract may be utilized by any and all West Virginia State Agencies and all political subdivisions of the State in all fifty-five (55) counties.

   State agencies are exempt from using this Contract for orders totaling $200.00 or less per month. No agency shall issue a series of requisitions to circumvent the $25,000 threshold. Violation of the $25,000 threshold is commonly referred to as "stringing," and is prohibited by law.

2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

   2.1 "**Catalog**" means the price list or sales catalog that includes all items that Vendor can and will sell under this Contract.

   2.2 "**Catalog Price**" means the lowest price listed for an Eligible Item in Vendor's Catalog. (Ex. A box of 200 tissues priced at $4.00 per box has a catalog price of $4.00. A crate of tissue boxes priced at $400.00 has a catalog price of $400.00).

   2.3 "**Discount Percentage**" means the percentage discount that Vendor will apply to all Agency purchases of Eligible Items in a given product category

   2.4 "**Discounted Price**" means the price that the Vendor will charge Agencies for the purchase of Eligible Items under this Contract. The Discounted Price is the Catalog Price reduced by the Discount Percentage.

   2.5 "**Discounted Unit Price**" means the discounted price of one Unit of an Eligible Item purchased under this Contract. The Discounted Unit Price will only be used for evaluation purposes.

   2.6 "**Eligible Item**" means any item contained in Vendor's catalog that Vendor can and will sell to the State under this Contract and includes generally Fastening devices include but are not limited to, bolts, screws, nuts, washers, threaded rods, cotter pins, etc.

2.7 "**Pricing Page**" or "**Pricing Pages**" means the schedule of prices, Discount Percentage, estimated usage, and totals contained in wvOASIS or attached hereto as Exhibit A and used to evaluate the Solicitation responses.

2.8 "**Solicitation**" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.9 "**Total Bid Cost**" means the sum of the bid total column on the Pricing Pages shown below the bid total column and identified as the total bid cost.

2.10 "**Unit**" means the smallest measurable amount of an Eligible Item and is identified on the Pricing Pages in the Unit column. The Unit will only be utilized for bid evaluation purposes.

2.11 "**Unit Price**" means the price of an individual unit of an Eligible Item as shown on the Pricing Pages.

2.12 "**Units Provided for Catalog Price**" means the total number of units of an Eligible Item contained in the package advertised for sale in Vendor's Catalog that corresponds with the Catalog Price. (Ex. A box of 200 nuts advertised in vendor's catalog for $4.00 has a Units Provided for Catalog Price of 200. A crate of nuts advertised in Vendor's catalog for $400.00, each containing 100 boxes with 200 nuts per box, yields Units Provided for Catalog Price of 20,000.)

3. GENERAL REQUIREMENTS:

3.1 **Mandatory Eligible Item Requirements:** Eligible Items must meet or exceed the mandatory requirements listed below.

3.1.1 Eligible Items must conform to the latest edition of fastener standards as complied by:

The Industrial Fasteners Institute
6363 Oak Tree Blvd.
Independence, Ohio 44131-2500
http://www.indfast.org

3.1.2 Eligible Items must be new and unused easily identifiable, and have traceable markings where appropriate.

3.1.3 Eligible Items shall be rated as Commercial and or Industrial Grade.

3.1.4 All Eligible Items must have markings that identify the grade and must comply with their respective ASTM, SAE, or other appropriate specifications for that grade.

3.1.5 Vendor must provide certification for Eligible Item specifications upon request.

4. CONTRACT AWARD, PERCENTAGE DISCOUNT, CATALOG:

4.1 Contract Award: This Contract is intended to provide the Agency with a discounted price on all Eligible Items. The Contract shall be awarded to the Vendor that meets the Solicitation specifications and provides the lowest Total Bid Cost for the Eligible Items listed on the Pricing Pages. Notwithstanding the foregoing, the Purchasing Division reserves the right to award this Contract to multiple Vendors if it deems such action necessary.

4.2 Discount Percentage: Vendor shall quote a single Discount Percentage that will reduce the lowest price shown in the Catalog for every Eligible Item. The resulting Discounted Price shall be the price Agencies pay for purchases of that Eligible Item under this Contract.

Vendor shall not incorporate Discount Percentages into its Catalog unless the Vendor clearly shows the Catalog Price and then separately lists the applicable Discount Percentage and the Discounted Price for each Eligible Item.

The Discount Percentage and subsequent Discounted Price derived from that discount must take into account any and all fees, charges, or other miscellaneous costs that Vendor may require, including delivery charges as indicated below, because those fees, charges, or other miscellaneous costs will not be paid separately. The Agency shall only pay the appropriate Discounted Unit Price for items purchased under this Contract.

4.3 Pricing Pages: Vendor should complete the Pricing Pages by filling in any blank spaces with the information requested. The information requested on the Pricing Pages for each frequently purchased Eligible Item includes the Vendor's Eligible Item manufacturer, the manufacturer's number for each Eligible Item, Catalog Prices, Units Provided for Catalog Price, Unit Prices,

Discount Percentage, Discounted Unit Prices, and item total costs. The Vendor should also include the Total Bid Cost. Vendor should complete all columns as failure to complete the Pricing Pages in their entirety may result in Vendor's bid being disqualified.

The Pricing Pages contain a list of frequently purchased items and estimated unit quantity that will be purchased. The estimated unit quantity for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.

Vendors are **strongly encouraged** to complete the Pricing Pages through wvOASIS or electronically in Microsoft Excel. Doing so will reduce the number of, and the possibility for, calculation errors. The Pricing Pages were created as a Microsoft Excel document and Vendor can request an electronic copy for bid purposes by sending an email request to the following address: Jessica.S.Chambers@wv.gov

The Purchasing Division reserves the right to take Vendor's Pricing Pages and insert the appropriate numbers into the Microsoft Excel spreadsheet if Vendor chooses to complete the Pricing Pages in any other way.

4.3.1 Pricing Page Calculations. The Pricing Pages require Vendor to insert its Catalogue Price, Units Provided for Catalogue Price, and Discount Percentage for each Eligible Item listed thereon. That information, along with information that is already included on the Pricing Pages will be used to calculate the Unit Price, Discounted Unit Price, item total cost, and Total Bid Cost. If Vendor completes the Pricing Pages electronically using the Microsoft Excel version from the Purchasing Division, these calculations will be automatically completed.

4.3.1.1 Unit Price Calculation – The Unit Price is calculated by dividing the Catalogue Price by the Units Provided for Catalogue Price.

Example: $10 per box divided by 10 nuts per box equals a Unit Price of $1.

4.3.1.2 Discounted Unit Price -- The Discounted Unit Price is calculated by applying the Discount Percentage to the Unit Price

Example: $1 Unit Price reduced by a 10% Discount Percentage equals a $0.90 Discounted Unit Price.

4.3.1.3 Item Total Cost – The item total cost is calculated by multiplying the estimated unit quantity by the Discounted Unit Price.

Example: An estimated unit quantity of 10,000 nuts multiplied by a Discounted Unit Price of $0.90 equals a $9,000 item total cost for that item.

4.3.1.4 Total Bid Cost – The Total Bid Cost is calculated by adding the item total cost for every item listed on the Pricing Pages.

Example: Item total costs of $9,000 and $1,000 would equal a Total Bid Cost of $10,000 (assuming that the Pricing Pages contained only two items).

4.3.2 Estimated Quantities Only. The Pricing Pages contain a list of frequently purchased items and estimated unit quantity that will be purchased. The estimated unit quantity for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.

5. Catalog:

5.1 Submission. Vendor must submit its Catalog prior to award of this Contract for evaluation purposes. Vendor shall also mail the Catalog free of charge to any Agency desiring to use this Contract if the Catalog is not electronically entered into wvOASIS. Vendor may be required to input its Catalog data into wvOASIS utilizing the format required by wvOASIS. Copies of the Catalog may also be requested in an electronic format. Vendor's Catalog, or data from the Catalog entered into wvOASIS will be used by Agencies to order Eligible Items under this Contract.

Vendor should identify all items listed on the Pricing Pages by circling or highlighting those items in its Catalog and earmarking, tabbing, or listing the pages for those items, to assist in the evaluation and verification of the bids and pricing. If any discrepancies exist between the Pricing Pages and the actual price listed in the Catalog, the actual price shall prevail and the Pricing Pages may be corrected by the Purchasing Division buyer for evaluation purposes.

5.2 Catalog Modification. The Purchasing Division may permit Vendor to update its Catalog at each renewal date. Determination of whether or not to

allow a Catalog update is at the sole discretion of the Purchasing Division. Any request by Vendor to update its Catalog must include a detailed listing of the following: (1) any Eligible Items being removed, Discounted Unit Prices for those items, Agencies quantity usage of those items, and total spent by Agencies on those items; (2) any Eligible Items being added to the Catalog and the Discounted Unit Price of those items; (3) all changes in the Discounted Unit Price to Eligible Items, estimated usage relating to items that have changed in price, and the total impact of the price change on the State; and (4) justification for updating its Catalog. The Purchasing Division may waive the detailed listing requirement if it finds that doing so is in the best interest of the State. Unless an updated catalog is approved, the Eligible Items available under this Contract and prices for those items shall remain unchanged during the term of this Contract.

In the event that multiple vendors are awarded a contract under the Solicitation, the first priority vendor shall not be permitted to include in its updated Catalog items being sold by a vendor that is lower in ordering priority without the consent of that lower priority vendor.

6. ORDERING AND PAYMENT:

6.1 Ordering: Vendor shall accept orders through wvOASIS, regular mail, facsimile, e-mail, or any other written forms of communication. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website. If Vendor has the ability to accept on-line orders, it should include in its response a brief description of how Agencies may utilize the on-line ordering system. Any on-line ordering system must have the capability to restrict prices and available items to conform to the Catalog originally submitted with this Solicitation. Vendor shall ensure that its on-line ordering system is properly secured prior to processing Agency orders on-line.

Vendor shall provide the Purchasing Division with access to its internet ordering portal/website, if one will be used under this Contract, to allow the Purchasing Division to ensure that the requirements of this Contract are being met.

6.2 Invoicing and Payment: Vendor shall indicate the discount received on each invoice submitted for payment. Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia. Methods of acceptable payment must include the West Virginia Purchasing Card. Payment in advance is not permitted under this Contract.

7. DELIVERY AND RETURN:

7.1 Delivery Time and Place: Vendor shall deliver standard orders within seven (7) calendar days after orders are received. Vendor shall deliver emergency orders within three (3) calendar day after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met. Eligible Items must be delivered to Agency at various locations within the State of West Virginia.

7.2 Late Delivery: The Agency placing the order under this Contract must be notified in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

7.3 Delivery Payment/Risk of Loss: Standard order delivery shall be F.O.B. destination to the Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery. The Agency will pay delivery charges on all emergency orders provided that Vendor invoices those delivery costs as a separate charge with the original freight bill attached to the invoice.

7.4 Return of Unacceptable Items: Items that Agency deems unacceptable shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

7.5 Return Due to Agency Error: Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

8. VENDOR DEFAULT:

8.1 The following shall be considered a vendor default under this Contract.

8.1.1 Failure to provide Eligible Items in accordance with the requirements contained herein.

8.1.2 Failure to comply with other specifications and requirements contained herein.

8.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

8.1.4 Failure to remedy deficient performance upon request.

8.2 The following remedies shall be available to Agency upon default.

8.2.1 Immediate cancellation of the Contract.

8.2.2 Immediate cancellation of one or more release orders issued under this Contract.

8.2.3 Any other remedies available in law or equity.

9. MISCELLANEOUS:

9.1 No Substitutions: Vendor shall supply only Eligible Items contained in its Catalog submitted in response to the Solicitation or an updated Catalog approved by the Purchasing Division as described above. Vendor shall not supply substitute items.

9.2 Vendor Supply: Vendor must carry sufficient inventory of the Eligible Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Eligible Items contained in its bid response.

9.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

9.4 **Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Karen W. Rose and/or Daniel H. Kliegman

Telephone Number: 866-720-0175 AND 954-868-2771 (24-hour service line)

Fax Number: 954-720-0175

Email Address: graysonind@gmail.com

Exhibit A
FASTEN 18 - Pricing Page

- Vendors Should Complete All Colums

Pricing Page Eligible Item Description						Discounted Unit Price Calculation					Bid Total Calculation			
	All references to Brand Names are for illustration purposes only and Vendor's may bidthe Brand listed or an Equal product.													
Item #	Description		Manufacturer	Mfg. #	Size/Wt	Catalogue Price	Units Provided for Catalogue Price	Unit Price	Discount Percentage	Discounted Unit Price	Unit (For Calculation Purposes)	Estimated Unit Qty	Discounted Unit Price	Item Total Cost
1														
1	1/4" 20 Grade 8 Yellow Zinc Hex Head Full Nut	FHN 1/4-20 YZ 8	Nucor	Grayson Pt. # 39601		$0.07	1	$0.0745	80.0%	$0.0149	1 - Nut	5,000	$0.0149	74.500
2	5/16"-18 Grade 8 Yellow Zinc Hex Full Nut	FHN 5/16 -18 YZ 8	Nucor	Grayson Pt. # 39602		$0.11	1	$0.1135	80.0%	$0.0227	1 - Nut	5,000	$0.0227	113.500
3	3/8" - 16 Grade 8 Yellow Zinc Full Hex Nut	FHN 3/8 - 16 YZ 8	Nucor	Grayson Pt. # 39603		$0.14	1	$0.1445	80.0%	$0.0289	1 - Nut	5,000	$0.0289	144.500
4	1/2" - 13 Grade 8 Yellow Zinc Full Hex Nut	FHN 1/2 - 13 YZ 8	Nucor	Grayson Pt. # 39605		$0.37	1	$0.3725	80.0%	$0.0745	1 - Nut	2,500	$0.0745	186.250
5	5/8" - 11 Grade 8 Yellow Zinc Hex Full Nut	FHN 5/8 - 11 YZ 8	Nucor	Grayson Pt. # 39607		$0.45	1	$0.4465	80.0%	$0.0893	1 - Nut	2,500	$0.0893	223.250
6	3/4" - 10 Grade 8 Yellow Zinc Hex Full Nut	FHN 3/4 - 10 YZ 8	Nucor	Grayson Pt. # 39608		$0.55	1	$0.5500	80.0%	$0.1100	1 - Nut	2,500	$0.1100	275.000
7	1/4" - High Alloy Yellow Zinc Split Lock Washer	1/4 HI-Alloy L/W YZ	Nucor	Grayson Pt. # 39725		$0.02	1	$0.0215	80.0%	$0.0043	1 - Washer	5,000	$0.0043	21.500
8	5/16" - High Alloy Yellow Zinc Split Lock Washer	5/16 Hi-Alloy L/W YZ	Nucor	Grayson Pt. # 39726		$0.04	1	$0.0435	80.0%	$0.0087	1 - Washer	5,000	$0.0087	43.500
9	3/8" - High Alloy Yellow Zinc Split Lock Washer	3/8 HI-Alloy L/W YZ	Nucor	Grayson Pt. # 39727		$0.06	1	$0.0610	80.0%	$0.0122	1 - Washer	2,500	$0.0122	30.500
10	1/2" - High Alloy Yellow Zinc Split Lock Washer	1/2 HI-Alloy L/W YZ	Nucor	Grayson Pt. # 39729		$0.13	1	$0.1250	80.0%	$0.0250	1 - Washer	2,500	$0.0250	62.500
11	5/8" - High Alloy Yellow Zinc Split Lock Washer	5/8 HI-Alloy L/W YZ	Nucor	Grayson Pt. # 39731		$0.15	1	$0.1475	80.0%	$0.0295	1 - Washer	2,500	$0.0295	73.750
12	3/4" - High Alloy Yellow Zinc Split Lock Washer	3/4 HI-Alloy L/W YZ	Nucor	Grayson Pt. # 39732		$0.16	1	$0.1625	80.0%	$0.0325	1 - Washer	5,000	$0.0325	162.500
13	1/4" - Hard High Strength Yellow Zinc Flat Washer	SAE THR HD 1/4 YZ KG	Nucor	Grayson Pt. # 36701		$0.03	1	$0.0250	80.0%	$0.0050	1 - Washer	5,000	$0.0050	25.000
14	5/16" - Hard High Strength Yellow Zinc Flat Washer	SAE THR HD 5/16 YZ KG	Nucor	Grayson Pt. # 36702		$0.03	1	$0.0275	80.0%	$0.0055	1 - Washer	5,000	$0.0055	27.500
15	3/8" - Hard High Strength Yellow Zinc Flat Washer	SAE THR HD 3/8 YZ KG	Nucor	Grayson Pt. # 36703		$0.03	1	$0.0300	80.0%	$0.0060	1 - Washer	5,000	$0.0060	30.000
16	1/2" - Hard High Strength Yellow Zinc Flat Washer	SAE THR HD 1/2 YZ KG	Nucor	Grayson Pt. # 36705		$0.04	1	$0.0425	80.0%	$0.0085	1 - Washer	2,500	$0.0085	21.250
17	5/8" - Hard High Strength Yellow Zinc Flat Washer	SAE THR HD 5/8 YZ KG	Nucor	Grayson Pt. # 36707		$0.05	1	$0.0488	80.0%	$0.0098	1 - Washer	2,500	$0.0098	24.400
18	3/4" - Hard High Strength Yellow Zinc Flat Washer	SAE THR HD 3/4 YZ KG	Nucor	Grayson Pt. # 36708		$0.05	1	$0.0500	80.0%	$0.0100	1 - Washer	2,500	$0.0100	25.000
19	1/4" - 20 x 1 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/4 - 20 x 1 YZ8 QPACK	Nucor	Grayson Pt. # 39004		$0.07	1	$0.0700	80.0%	$0.0140	1 - Screw	5,000	$0.0140	70.000
20	1/2" - 20 x 1.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/2 - 20 x 1.5 YZ8 QPACK	Nucor	Grayson Pt. # 39006		$0.09	1	$0.0875	80.0%	$0.0175	1 - Screw	5,000	$0.0175	87.500
21	1/4" - 20 x 2 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/4 - 20 x 2 YZ8	Nucor	Grayson Pt. # 39008		$0.11	1	$0.1063	80.0%	$0.0213	1 - Screw	5,000	$0.0213	106.300
22	1/4" - 20 x 2.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/4 - 20 x 2.5 YZ8	Nucor	Grayson Pt. # 39010		$0.13	1	$0.1250	80.0%	$0.0250	1 - Screw	5,000	$0.0250	125.000
23	1/4" - 20 x 3 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/4 - 20 x 3 YZ8	Nucor	Grayson Pt. # 39012		$0.17	1	$0.1673	80.0%	$0.0335	1 - Screw	5,000	$0.0335	167.300

NOTE: Grayson's published price list contains NET prices; 80% discount has already been deducted from all item prices.

Exhibit A
FASTEN 16 - Pricing Page

Vendors Should Complete All Colums

Pricing Page Eligible Item Description						Discounted Unit Price Calculation					Bid Total Calculation			
All references to Brand Names are for illustration purposes only and Vendor's may bidthe Brand listed or an Equal product.														
Item #	Description		Manufacturer	Mfg. #	Size/Wt	Catalogue Price	Units Provided for Catalogue Price	Unit Price	Discount Percentage	Discounted Unit Price	Unit (For Calculation Purposes)	Estimated Unit Qty	Discounted Unit Price	Item Total Cost
24	3/8" - 16 x 1 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/8 - 16 x 1 YZ8	Nucor	Grayson Pt. # 39054		$0.18	1	$0.1770	80.0%	$0.0354	1 - Screw	5,000	$0.0354	$177.000
25	3/8" - 16 x 1.25 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/8 - 16 x 1.25 YZ8	Nucor	Grayson Pt. # 39055		$0.18	1	$0.1813	80.0%	$0.0363	1 - Screw	5,000	$0.0363	$181.300
26	3/8" - 16 x 1.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/8 - 16 x 1.5 YZ8	Nucor	Grayson Pt. # 39056		$0.21	1	$0.2145	80.0%	$0.0429	1 - Screw	5,000	$0.0429	$214.500
27	3/8" - 16 x 2 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/8 - 16 x 2 YZ8	Nucor	Grayson Pt. # 39058		$0.23	1	$0.2250	80.0%	$0.0450	1 - Screw	5,000	$0.0450	$225.000
28	3/8" - 16 x 2.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/8 - 16 x 2.5 YZ8	Nucor	Grayson Pt. # 39060		$0.26	1	$0.2593	80.0%	$0.0519	1 - Screw	5,000	$0.0519	$259.300
29	3/8" - 16 x 3 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/8 - 16 x 3 YZ8	Nucor	Grayson Pt. # 39062		$0.32	1	$0.3230	80.0%	$0.0646	1 - Screw	5,000	$0.0646	$323.000
30	3/8" - 16 x 3.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/8 - 16 x 3.5 YZ8	Nucor	Grayson Pt. # 39064		$0.35	1	$0.3500	80.0%	$0.0700	1 - Screw	5,000	$0.0700	$350.000
31	5/16" - 18 x 1 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 5/16 - 18 x 1 YZ8	Nucor	Grayson Pt. # 39029		$0.13	1	$0.1283	80.0%	$0.0257	1 - Screw	5,000	$0.0257	$128.300
32	5/16" - 18 x 1.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 5/16 - 18 x 1.5 YZ8	Nucor	Grayson Pt. # 39031		$0.16	1	$0.1638	80.0%	$0.0328	1 - Screw	5,000	$0.0328	$163.800
33	5/16" - 18 x 2 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 5/16 - 18 x 2 YZ8	Nucor	Grayson Pt. # 39033		$0.18	1	$0.1750	80.0%	$0.0350	1 - Screw	5,000	$0.0350	$175.000
34	5/16" - 18 x 2.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 5/16 - 18 x 2.5 YZ8	Nucor	Grayson Pt. # 39035		$0.23	1	$0.2318	80.0%	$0.0464	1 - Screw	2,500	$0.0464	$115.900
35	5/16" - 18 x 3 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 5/16 - 18 x 3 YZ8	Nucor	Grayson Pt. # 39037		$0.25	1	$0.2500	80.0%	$0.0500	1 - Screw	5,000	$0.0500	$250.000
36	1/2" - 13 x 1 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/2 - 13 x 1 YZ8	Nucor	Grayson Pt. # 39104		$0.26	1	$0.2595	80.0%	$0.0519	1 - Screw	2,500	$0.0519	$129.750
37	1/2" - 13 x 1.25 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/2 - 13 x 1.25 YZ8	Nucor	Grayson Pt. # 39105		$0.32	1	$0.3163	80.0%	$0.0633	1 - Screw	2,500	$0.0633	$158.150
38	1/2" - 13 x 1.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/2 - 13 x 1.5 YZ8	Nucor	Grayson Pt. # 39106		$0.36	1	$0.3585	80.0%	$0.0717	1 - Screw	2,500	$0.0717	$179.250
39	1/2" - 13 x 2 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/2 - 13 x 2 YZ8	Nucor	Grayson Pt. # 39108		$0.60	1	$0.6000	80.0%	$0.1200	1 - Screw	5,000	$0.1200	$600.000
40	1/2" - 13 x 2.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/2 - 13 x 2.5 YZ8	Nucor	Grayson Pt. # 39110		$0.66	1	$0.6635	80.0%	$0.1327	1 - Screw	5,000	$0.1327	$663.500
41	1/2" - 13 x 3 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/2 - 13 x 3 YZ8	Nucor	Grayson Pt. # 39112		$1.48	1	$1.4750	80.0%	$0.2950	1 - Screw	5,000	$0.2950	$1,475.000
42	1/2" - 13 x 3.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/2 - 13 x 3.5 YZ8	Nucor	Grayson Pt. # 39114		$0.77	1	$0.7688	80.0%	$0.1538	1 - Screw	5,000	$0.1538	$768.800
43	1/2" - 13 x 4 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 1/2 - 13 x 4 YZ8	Nucor	Grayson Pt. # 39116		$0.82	1	$0.8240	80.0%	$0.1648	1 - Screw	5,000	$0.1648	$824.000
44	5/8" - 11 x 1 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 5/8 - 11 x 1 YZ8	Nucor	Grayson Pt. # 39145		$0.51	1	$0.5065	80.0%	$0.1013	1 - Screw	5,000	$0.1013	$506.500
45	5/8" - 11 x 1.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 5/8 - 11 x 1.5 YZ8	Nucor	Grayson Pt. # 39147		$0.78	1	$0.7800	80.0%	$0.1560	1 - Screw	2,500	$0.1560	$390.000
46	5/8" - 11 x 2 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 5/8 - 11 x 2 YZ8	Nucor	Grayson Pt. # 39149		$0.78	1	$0.7840	80.0%	$0.1568	1 - Screw	2,500	$0.1568	$392.000
47	5/8" - 11 x 2.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 5/8 - 11 x 2.5 YZ8	Nucor	Grayson Pt. # 39151		$1.22	1	$1.2175	80.0%	$0.2435	1 - Screw	2,500	$0.2435	$608.750

NOTE: Grayson's published price list contains NET prices; 80% discount has already been deducted from all item prices.

Exhibit A
FASTEN 16 - Pricing Page

Vendors Should Complete All Colums

Pricing Page Eligible Item Description						Discounted Unit Price Calculation					Bid Total Calculation			
All references to Brand Names are for illustration purposes only and Vendor's may bidthe Brand listed or an Equal product.														
Item #	Description		Manufacturer	Mfg. #	Size/Wt	Catalogue Price	Units Provided for Catalogue Price	Unit Price	Discount Percentage	Discounted Unit Price	Unit (For Calculation Purposes)	Estimated Unit Qty	Discounted Unit Price	Item Total Cost
58	5/8" - 11 x 3 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 5/8 - 11 x 3 YZ8	Nucor	Grayson Pt. # 39153		$1.48	1	$1.4760	80.0%	$0.2952	1 - Screw	2,500	$0.2952	$738.000
49	3/4" - 10 x 1 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/4 - 10 x 1 YZ8	Nucor	Grayson Pt. # 39169		$0.52	1	$0.5243	80.0%	$0.1049	1 - Screw	2,500	$0.1049	$262.150
50	3/4" - 10 x 1.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/4 - 10 x 1.5 YZ8	Nucor	Grayson Pt. # 39170		$0.89	1	$0.8860	80.0%	$0.1772	1 - Screw	2,500	$0.1772	$443.000
51	3/4" - 10 x 2 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/4 - 10 x 2 YZ8	Nucor	Grayson Pt. # 39172		$1.02	1	$1.0215	80.0%	$0.2043	1 - Screw	2,500	$0.2043	$510.750
52	3/4" - 10 x 2.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/4 - 10 x 2.5 YZ8	Nucor	Grayson Pt. # 39174		$1.13	1	$1.1293	80.0%	$0.2259	1 - Screw	2,500	$0.2259	$564.650
53	3/4" - 10 x 3 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/4 - 10 x 3 YZ8	Nucor	Grayson Pt. # 39176		$1.18	1	$1.1750	80.0%	$0.2350	1 - Screw	2,500	$0.2350	$587.500
54	3/4" - 10 x 3.5 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/4 - 10 x 3.5 YZ8	Nucor	Grayson Pt. # 39178		$1.24	1	$1.2393	80.0%	$0.2479	1 - Screw	2,500	$0.2479	$619.650
55	3/4" - 10 x 4 Grade 8 Yellow Zinc Hex Head Cap Screw	HCS 3/4 - 10 x 4 YZ8	Nucor	Grayson Pt. # 39180		$1.25	1	$1.2500	80.0%	$0.2500	1 - Screw	2,500	$0.2500	$625.000

Total Bid Cost	$15,730.00

List of Discount Percentages:			
(Use additional sheets if needed for number of discount percentages being offered.)			
			DISCOUNT PERCENTAGE
1	Discount Percentage for All catalogue Items		80.00%

VENDOR
NAME: GRAYSON INDUSTRIES, INC.

PHONE: 866-720-0175 and 954-868-2771 (24-HOURS/7 DAYS)

CONTRACT
MANAGER: Karen W. Rose and/or Daniel H. Kliegman
(Please print)

FAX 954-720-0175

EMAIL graysonind@gmail.com

AUTHORIZED
REPRESENTATIVE: Karen W Rose
(Signature)

September 6, 2016
(Date)

AUTHORIZED
REPRESENTATIVE Karen W. Rose

NOTE: Grayson's published price list contains NET prices; 80% discount has already been deducted from all item prices.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Karen W. Rose, Secretary
(Name, Title)

Karen W. Rose, Corporate Secretary
(Printed Name and Title)

7027 W. Broward Blvd., #327, Plantation, FL 33317
(Address)

866-720-0175 AND 954-868-2771 (24-hr/day line svc); Fax: 954-720-0175
(Phone Number) / (Fax Number)

graysonind@gmail.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

GRAYSON INDUSTRIES, INC.
(Company)

Karen W. Rose, Secretary
(Authorized Signature) (Representative Name, Title)

Karen W. Rose, Corporate Secretary
(Printed Name and Title of Authorized Representative)

September 7, 2016
(Date)

866-720-0175 AND 954-868-2771 (24-hr/day line) ; Fax: 954-720-0175
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"**Debt**" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"**Employer default**" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"**Related party**" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (*W. Va. Code* §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: GRAYSON INDUSTRIES, INC.

Authorized Signature: Kareem Rose Date: September 7, 2016

State of Florida

County of Broward, to-wit:

Taken, subscribed, and sworn to before me this 7th day of September, 2016.

My Commission expires April 21, 2017.

AFFIX SEAL HERE

ELEANORE M. JONES
Notary Public - State of Florida
My Comm. Expires Apr 21, 2017
Commission # EE 874096
Bonded Through National Notary Assn.

NOTARY PUBLIC Eleanore M. Jones

WV-10
Approved / Revised
12/16/15

State of West Virginia
VENDOR PREFERENCE CERTIFICATE

Certification and application is hereby made for Preference in accordance with ***West Virginia Code***, §5A-3-37. (Does not apply to construction contracts). ***West Virginia Code***, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the ***West Virginia Code***. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. **Application is made for 2.5% vendor preference for the reason checked:**
☐ Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or,**

☐ Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification;

☐ Bidder is a resident vendor partnership, association, or corporation with at least eighty percent of ownership interest of bidder held by another entity that meets the applicable four year residency requirement; **or,**

☐ Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or,**

2. **Application is made for 2.5% vendor preference for the reason checked:**
☐ Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or,**

3. **Application is made for 2.5% vendor preference for the reason checked:**
☐ Bidder is a nonresident vendor that employs a minimum of one hundred state residents, or a nonresident vendor which has an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia and employs a minimum of one hundred state residents, and for purposes of producing or distributing the commodities or completing the project which is the subject of the bidder's bid and continuously over the entire term of the project, on average at least seventy-five percent of the bidder's employees or the bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years and the vendor's bid; **or,**

4. **Application is made for 5% vendor preference for the reason checked:**
☐ Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or,**

5. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
☐ Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or,**

6. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
☐ Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.**
☐ Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) rescind the contract or purchase order; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: _____ **Signed:** _____

Date: _____ **Title:** _____

**Check any combination of preference consideration(s) indicated above, which you are entitled to receive.*

Purchasing Divison
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Request for Quotation
27 — Miscellaneous

Proc Folder: 244354

Doc Description: Addendum No. 01: FASTEN16- Fasteners and Fastening Devices

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2016-08-30	2016-09-13 13:30:00	CRFQ 0212 SWC1700000002	2

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Name, Address and Telephone Number:

GRAYSON INDUSTRIES, INC.
7027 W. Broward Blvd., #327
Plantation, FL 33317
Telephone: 866-720-0175 and 954-868-2771 (24-hours/day)
Fax: 954-720-0175

FOR INFORMATION CONTACT THE BUYER

Jessica S Chambers
(304) 558-0246
jessica.s.chambers@wv.gov

Signature X Karen Rose **FEIN #** 59-2823537 **DATE** September 7, 2016

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

Addendum

Addendum No.01 issued to publish and distribute the attached information to the vendor community.

****

The West Virginia Purchasing Division is soliciting bids on behalf of the State of West Virginia to establish a Statewide Contract for Fasteners and Fastening Devices. The Contract awarded from this Solicitation shall cover Eligible Items from Vendor's Catalog and will be delivered statewide, per the specifications, and Terms and Conditions as attached.

INVOICE TO	SHIP TO
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER
No City WV99999	No City WV 99999
US	US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Pricing per the attached Pricing Page (Exhibit A)	0.00000	EA		$ 15,730.00

Comm Code	Manufacturer	Specification	Model #
31162400			

Extended Description :

Please see attached pricing page for pricing information.

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SOLICITATION NUMBER: CRFQ 0212 SWC1700000002
Addendum Number: No.01

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

[ ] Modify bid opening date and time

[ ] Modify specifications of product or service being sought

[✓] Attachment of vendor questions and responses

[ ] Attachment of pre-bid sign-in sheet

[ ] Correction of error

[ ] Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. The purpose of this addendum is to answer all technical questions received.

No other Changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.

2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

Technical Questions Received for
CRFQ SWC1700000002
August 30, 2016

Q: Page 19 Section 42 Preference for use of Domestic Steel Products: Are you requiring domestic products be provided for this solicitation?

A: West Virginia Code 5A-3-56 states that "no contractor may use or supply steel products for a state contract project other than those steel products made in the United States." State Contract Project is then defined to include "the supply of any materials for such projects". That same statute, however, provides for several exceptions to the general made in the United States rule. Specifically, it states that "the director of the purchasing division may, in writing, authorize the use of foreign steel products if:(1) The cost for each contract item used does not exceed one tenth of one percent of the total contract cost or two thousand five hundred dollars, whichever is greater. Accordingly, the Director of the Purchasing Division hereby authorizes the use of foreign steel products that are less than $2,500 per item.

Q: Page 23 Section 4.2 Discount Percentage: Are you requiring that a single percent off discount be used for both the price list as well as the category discount?

A: Per Section 4.2 of the specifications:

> **Discount Percentage:** Vendor shall quote a single Discount Percentage that will reduce the lowest price shown in the Catalog for every Eligible Item. The resulting Discounted Price shall be the price Agencies pay for purchases of that Eligible Item under this Contract.
>
> Vendor shall not incorporate Discount Percentages into its Catalog unless the Vendor clearly shows the Catalog Price and then separately lists the applicable Discount Percentage and the Discounted Price for each Eligible Item.
>
> The Discount Percentage and subsequent Discounted Price derived from that discount must take into account any and all fees, charges, or other miscellaneous costs that Vendor may require, including delivery charges as indicated below, because those fees, charges, or other miscellaneous costs will not be paid separately. The Agency shall only pay the appropriate Discounted Unit Price for items purchased under this Contract.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: _____

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[X]	Addendum No. 1	[ ]	Addendum No. 6
[ ]	Addendum No. 2	[ ]	Addendum No. 7
[ ]	Addendum No. 3	[ ]	Addendum No. 8
[ ]	Addendum No. 4	[ ]	Addendum No. 9
[ ]	Addendum No. 5	[ ]	Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

GRAYSON INDUSTRIES, INC.
Company

Karen W Rose
Authorized Signature

September 7, 2016
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012

Purchasing Divison
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Request for Quotation
27 — Miscellaneous

Proc Folder: 244354
Doc Description: Addendum No. 02: FASTEN16- Fasteners and Fastening Devices
Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2016-09-06	2016-09-13 13:30:00	CRFQ 0212 SWC1700000002	3

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Name, Address and Telephone Number:

GRAYSON INDUSTRIES, INC.
7027 W. Broward Blvd., #327
Plantation, FL 33317
Tel. 866-720-0175 AND 954-868-2771 (24 hrs/day)
Fax: 954-720-0175

FOR INFORMATION CONTACT THE BUYER

Jessica S Chambers
(304) 558-0246
jessica.s.chambers@wv.gov

Signature X Karena Rose **FEIN #** 59-2823537 **DATE** September 6, 2016

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMAITON:

Addendum

Addendum No.02 issued to publish and distribute the attached information to the vendor community.

****

The West Virginia Purchasing Division is soliciting bids on behalf of the State of West Virginia to establish a Statewide Contract for Fasteners and Fastening Devices. The Contract awarded from this Solicitation shall cover Eligible Items from Vendor's Catalog and will be delivered statewide, per the specifications, and Terms and Conditions as attached.

INVOICE TO	SHIP TO
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER
No City WV99999	No City WV 99999
US	US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Pricing per the attached Pricing Page (Exhibit A)	0.00000	EA		$ 15,730.00

Comm Code	Manufacturer	Specification	Model #
31162400			

Extended Description :

Please see attached pricing page for pricing information.

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SOLICITATION NUMBER: CRFQ 0212 SWC1700000002
Addendum Number: No.02

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

[ ] Modify bid opening date and time

[ ] Modify specifications of product or service being sought

[ ] Attachment of vendor questions and responses

[ ] Attachment of pre-bid sign-in sheet

[✓] Correction of error

[ ] Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. The purpose of this addendum is to attach corrected spreadsheet.

No other Changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.

2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: FASTEN16

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[X]	Addendum No. 1	[ ]	Addendum No. 6
[X]	Addendum No. 2	[ ]	Addendum No. 7
[ ]	Addendum No. 3	[ ]	Addendum No. 8
[ ]	Addendum No. 4	[ ]	Addendum No. 9
[ ]	Addendum No. 5	[ ]	Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

GRAYSON INDUSTRIES, INC.
Company

Karena Rose
Authorized Signature

September 6, 2016
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012

BID REFERENCE GUIDE

FOR SPECIFIC ITEMS ON BID FASTEN16

STATE OF WEST VIRGINIA

ITEMS 1-27 (ITEMS 28-55 ON FOLLOWING PAGE)

Item No.	Grayson Part Number	Description		Net Price List Page Number	Master Catalog Page Number	Bid Price*
1	39601	1/4-20	Gr 8 YZ Hex Full Nut	130	8	1.49
2	39602	5/16-18	Gr 8 YZ Hex Full Nut	130	8	2.27
3	39603	3/8-16	Gr 8 YZ Hex Full Nut	130	8	2.89
4	39605	1/2-13	Gr 8 YZ Hex Full Nut	130	8	7.45
5	39607	5/8-11	Gr 8 YZ Hex Full Nut	130	8	8.93
6	39608	3/4-10	Gr 8 YZ Hex Full Nut	130	8	11.00
7	39725	1/4"	Hi-Alloy L/W YZ	130	5	0.43
8	39726	5/16"	Hi-Alloy L/W YZ	130	5	0.87
9	39727	3/8"	Hi-Alloy L/W YZ	130	5	1.22
10	39729	1/2"	Hi-Alloy L/W YZ	130	5	2.50
11	39731	5/8"	Hi-Alloy L/W YZ	130	5	2.95
12	39732	3/4"	Hi-Alloy L/W YZ	130	5	3.25
13	36701	1/4"	SAE Thru-Hd YZ HSFW	121	4	0.50
14	36702	5/16"	SAE Thru-Hd YZ HSFW	121	4	0.55
15	36703	3/8"	SAE Thru-Hd YZ HSFW	121	4	0.60
16	36705	1/2"	SAE Thru-Hd YZ HSFW	121	4	0.85
17	36707	5/8"	SAE Thru-Hd YZ HSFW	121	5	0.98
18	36708	3/4"	SAE Thru-Hd YZ HSFW	121	5	1.00
19	39004	1/4-20x1	Gr 8 YZ Hex Hd CS	128	5	1.40
20	39006	1/4-20x1-1/2	Gr 8 YZ Hex Hd CS	128	6	1.75
21	39008	1/4-20x2	Gr 8 YZ Hex Hd CS	128	6	2.13
22	39010	1/4-20x2-1/2	Gr 8 YZ Hex Hd CS	128	6	2.50
23	39012	1/4-20x3	Gr 8 YZ Hex Hd CS	128	6	3.35
24	39054	3/8-16x1	Gr 8 YZ Hex Hd CS	128	6	3.54
25	39055	3/8-16x1-1/4	Gr 8 YZ Hex Hd CS	128	6	3.63
26	39056	3/8-16x1-1/2	Gr 8 YZ Hex Hd CS	128	6	4.29
27	39058	3/8-16x2	Gr 8 YZ Hex Hd CS	128	6	4.50

*** PRICES ARE ALL PER 100 PIECES**

GRAYSON INDUSTRIES, INC.

7027 W. Broward Blvd., #327 • Plantation, FL 33317

Phone: (954) 720-0017 • Toll Free Phone: (866) 720-0175 • FAX: (954) 720-0175

graysonind@gmail.com

'For All Your Fastener Needs'

BID REFERENCE GUIDE

FOR SPECIFIC ITEMS ON BID FASTEN16

STATE OF WEST VIRGINIA

ITEMS 28-55 (ITEMS 1-27 ON PRECEDING PAGE)

Item No.	Grayson Part Number	Description		Net Price List Page Number	Master Catalog Page Number	Bid Price*
28	39060	3/8-16x2-1/2	Gr 8 YZ Hex Hd CS	128	6	5.19
29	39062	3/8-16x3	Gr 8 YZ Hex Hd CS	128	6	6.46
30	39064	3/8-16x3-1/2	Gr 8 YZ Hex Hd CS	128	6	7.00
31	39029	5/16-18x1	Gr 8 YZ Hex Hd CS	128	6	2.57
32	39031	5/16-18x1-1/2	Gr 8 YZ Hex Hd CS	128	6	3.28
33	39033	5/16-18x2	Gr 8 YZ Hex Hd CS	128	6	3.50
34	39035	5/16-18x2-1/2	Gr 8 YZ Hex Hd CS	128	6	4.64
35	39037	5/16-18x3	Gr 8 YZ Hex Hd CS	128	6	5.00
36	39104	1/2-13x1	Gr 8 YZ Hex Hd CS	128	6	5.19
37	39105	1/2-13x1-1/4	Gr 8 YZ Hex Hd CS	128	6	6.33
38	39106	1/2-13x1-1/2	Gr 8 YZ Hex Hd CS	128	6	7.17
39	39108	1/2-13x2	Gr 8 YZ Hex Hd CS	128	6	12.00
40	39110	1/2-13x2-1/2	Gr 8 YZ Hex Hd CS	128	6	13.27
41	39112	1/2-13x3	Gr 8 YZ Hex Hd CS	128	6	29.50
42	39114	1/2-13x3-1/2	Gr 8 YZ Hex Hd CS	128	6	15.38
43	39116	1/2-13x4	Gr 8 YZ Hex Hd CS	128	6	16.48
44	39145	5/8-11x1	Gr 8 YZ Hex Hd CS	128	7	10.13
45	39147	5/8-11x1-1/2	Gr 8 YZ Hex Hd CS	128	7	15.60
46	39149	5/8-11x2	Gr 8 YZ Hex Hd CS	128	7	15.68
47	39151	5/8-11x2-1/2	Gr 8 YZ Hex Hd CS	128	7	24.35
48	39153	5/8-11x3	Gr 8 YZ Hex Hd CS	129	7	29.52
49	39169	3/4-10x1	Gr 8 YZ Hex Hd CS	129	7	10.49
50	39170	3/4-10x1-1/2	Gr 8 YZ Hex Hd CS	129	7	17.72
51	39172	3/4-10x2	Gr 8 YZ Hex Hd CS	129	7	20.43
52	39174	3/4-10x2-1/2	Gr 8 YZ Hex Hd CS	129	7	22.59
53	39176	3/4-10x3	Gr 8 YZ Hex Hd CS	129	7	23.50
54	39178	3/4-10x1-3-1/2	Gr 8 YZ Hex Hd CS	129	7	24.79
55	39180	3/4-10x4	Gr 8 YZ Hex Hd CS	129	7	25.00

*** PRICES ARE ALL PER 100 PIECES**

GRAYSON INDUSTRIES, INC.

7027 W. Broward Blvd., #327 • Plantation, FL 33317

Phone: (954) 720-0017 • Toll Free Phone: (866) 720-0175 • FAX: (954) 720-0175

graysonind@gmail.com

'For All Your Fastener Needs'

BID REFERENCE GUIDE

FOR SPECIFIC ITEMS ON BID FASTEN16

STATE OF WEST VIRGINIA

ITEMS 1-27 (ITEMS 28-55 ON FOLLOWING PAGE)

Item No.	Grayson Part Number	Description		Net Price List Page Number	Master Catalog Page Number	Bid Price*
1	39601	1/4-20	Gr 8 YZ Hex Full Nut	130	8	1.49
2	39602	5/16-18	Gr 8 YZ Hex Full Nut	130	8	2.27
3	39603	3/8-16	Gr 8 YZ Hex Full Nut	130	8	2.89
4	39605	1/2-13	Gr 8 YZ Hex Full Nut	130	8	7.45
5	39607	5/8-11	Gr 8 YZ Hex Full Nut	130	8	8.93
6	39608	3/4-10	Gr 8 YZ Hex Full Nut	130	8	11.00
7	39725	1/4"	Hi-Alloy L/W YZ	130	5	0.43
8	39726	5/16"	Hi-Alloy L/W YZ	130	5	0.87
9	39727	3/8"	Hi-Alloy L/W YZ	130	5	1.22
10	39729	1/2"	Hi-Alloy L/W YZ	130	5	2.50
11	39731	5/8"	Hi-Alloy L/W YZ	130	5	2.95
12	39732	3/4"	Hi-Alloy L/W YZ	130	5	3.25
13	36701	1/4"	SAE Thru-Hd YZ HSFW	121	4	0.50
14	36702	5/16"	SAE Thru-Hd YZ HSFW	121	4	0.55
15	36703	3/8"	SAE Thru-Hd YZ HSFW	121	4	0.60
16	36705	1/2"	SAE Thru-Hd YZ HSFW	121	4	0.85
17	36707	5/8"	SAE Thru-Hd YZ HSFW	121	5	0.98
18	36708	3/4"	SAE Thru-Hd YZ HSFW	121	5	1.00
19	39004	1/4-20x1	Gr 8 YZ Hex Hd CS	128	5	1.40
20	39006	1/4-20x1-1/2	Gr 8 YZ Hex Hd CS	128	6	1.75
21	39008	1/4-20x2	Gr 8 YZ Hex Hd CS	128	6	2.13
22	39010	1/4-20x2-1/2	Gr 8 YZ Hex Hd CS	128	6	2.50
23	39012	1/4-20x3	Gr 8 YZ Hex Hd CS	128	6	3.35
24	39054	3/8-16x1	Gr 8 YZ Hex Hd CS	128	6	3.54
25	39055	3/8-16x1-1/4	Gr 8 YZ Hex Hd CS	128	6	3.63
26	39056	3/8-16x1-1/2	Gr 8 YZ Hex Hd CS	128	6	4.29
27	39058	3/8-16x2	Gr 8 YZ Hex Hd CS	128	6	4.50

*** PRICES ARE ALL PER 100 PIECES**

GRAYSON INDUSTRIES, INC.

7027 W. Broward Blvd., #327 • Plantation, FL 33317

Phone: (954) 720-0017 • Toll Free Phone: (866) 720-0175 • FAX: (954) 720-0175

graysonind@gmail.com

'For All Your Fastener Needs'

BID REFERENCE GUIDE

FOR SPECIFIC ITEMS ON BID FASTEN16

STATE OF WEST VIRGINIA

ITEMS 28-55 (ITEMS 1-27 ON PRECEDING PAGE)

Item No.	Grayson Part Number	Description		Net Price List Page Number	Master Catalog Page Number	Bid Price*
28	39060	3/8-16x2-1/2	Gr 8 YZ Hex Hd CS	128	6	5.19
29	39062	3/8-16x3	Gr 8 YZ Hex Hd CS	128	6	6.46
30	39064	3/8-16x3-1/2	Gr 8 YZ Hex Hd CS	128	6	7.00
31	39029	5/16-18x1	Gr 8 YZ Hex Hd CS	128	6	2.57
32	39031	5/16-18x1-1/2	Gr 8 YZ Hex Hd CS	128	6	3.28
33	39033	5/16-18x2	Gr 8 YZ Hex Hd CS	128	6	3.50
34	39035	5/16-18x2-1/2	Gr 8 YZ Hex Hd CS	128	6	4.64
35	39037	5/16-18x3	Gr 8 YZ Hex Hd CS	128	6	5.00
36	39104	1/2-13x1	Gr 8 YZ Hex Hd CS	128	6	5.19
37	39105	1/2-13x1-1/4	Gr 8 YZ Hex Hd CS	128	6	6.33
38	39106	1/2-13x1-1/2	Gr 8 YZ Hex Hd CS	128	6	7.17
39	39108	1/2-13x2	Gr 8 YZ Hex Hd CS	128	6	12.00
40	39110	1/2-13x2-1/2	Gr 8 YZ Hex Hd CS	128	6	13.27
41	39112	1/2-13x3	Gr 8 YZ Hex Hd CS	128	6	29.50
42	39114	1/2-13x3-1/2	Gr 8 YZ Hex Hd CS	128	6	15.38
43	39116	1/2-13x4	Gr 8 YZ Hex Hd CS	128	6	16.48
44	39145	5/8-11x1	Gr 8 YZ Hex Hd CS	128	7	10.13
45	39147	5/8-11x1-1/2	Gr 8 YZ Hex Hd CS	128	7	15.60
46	39149	5/8-11x2	Gr 8 YZ Hex Hd CS	128	7	15.68
47	39151	5/8-11x2-1/2	Gr 8 YZ Hex Hd CS	128	7	24.35
48	39153	5/8-11x3	Gr 8 YZ Hex Hd CS	129	7	29.52
49	39169	3/4-10x1	Gr 8 YZ Hex Hd CS	129	7	10.49
50	39170	3/4-10x1-1/2	Gr 8 YZ Hex Hd CS	129	7	17.72
51	39172	3/4-10x2	Gr 8 YZ Hex Hd CS	129	7	20.43
52	39174	3/4-10x2-1/2	Gr 8 YZ Hex Hd CS	129	7	22.59
53	39176	3/4-10x3	Gr 8 YZ Hex Hd CS	129	7	23.50
54	39178	3/4-10x1-3-1/2	Gr 8 YZ Hex Hd CS	129	7	24.79
55	39180	3/4-10x4	Gr 8 YZ Hex Hd CS	129	7	25.00

*** PRICES ARE ALL PER 100 PIECES**

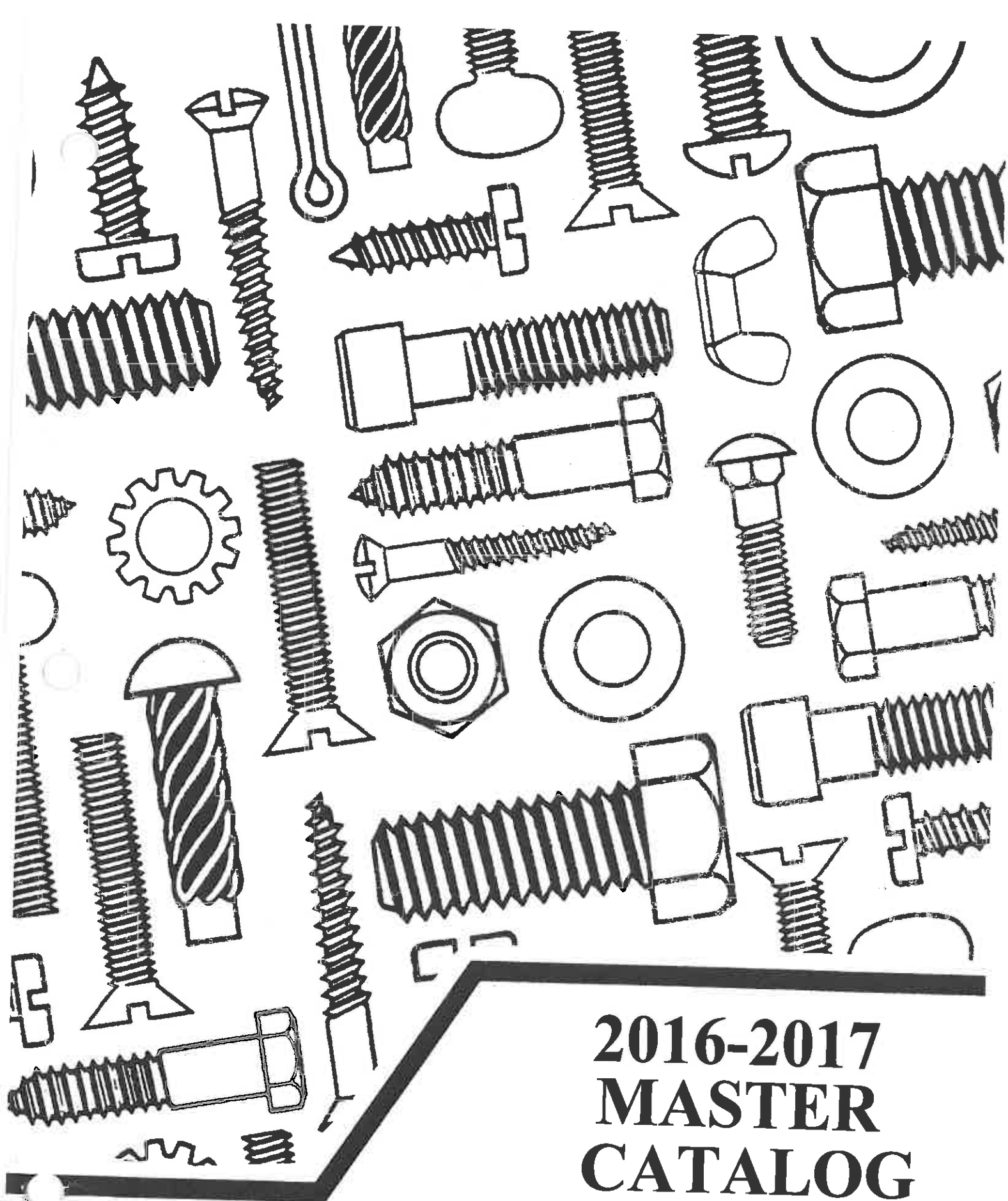
GRAYSON INDUSTRIES, INC.

7027 W. Broward Blvd., #327 • Plantation, FL 33317

Phone: (954) 720-0017 • Toll Free Phone: (866) 720-0175 • FAX: (954) 720-0175

graysonind@gmail.com

'For All Your Fastener Needs'



2016-2017 MASTER CATALOG

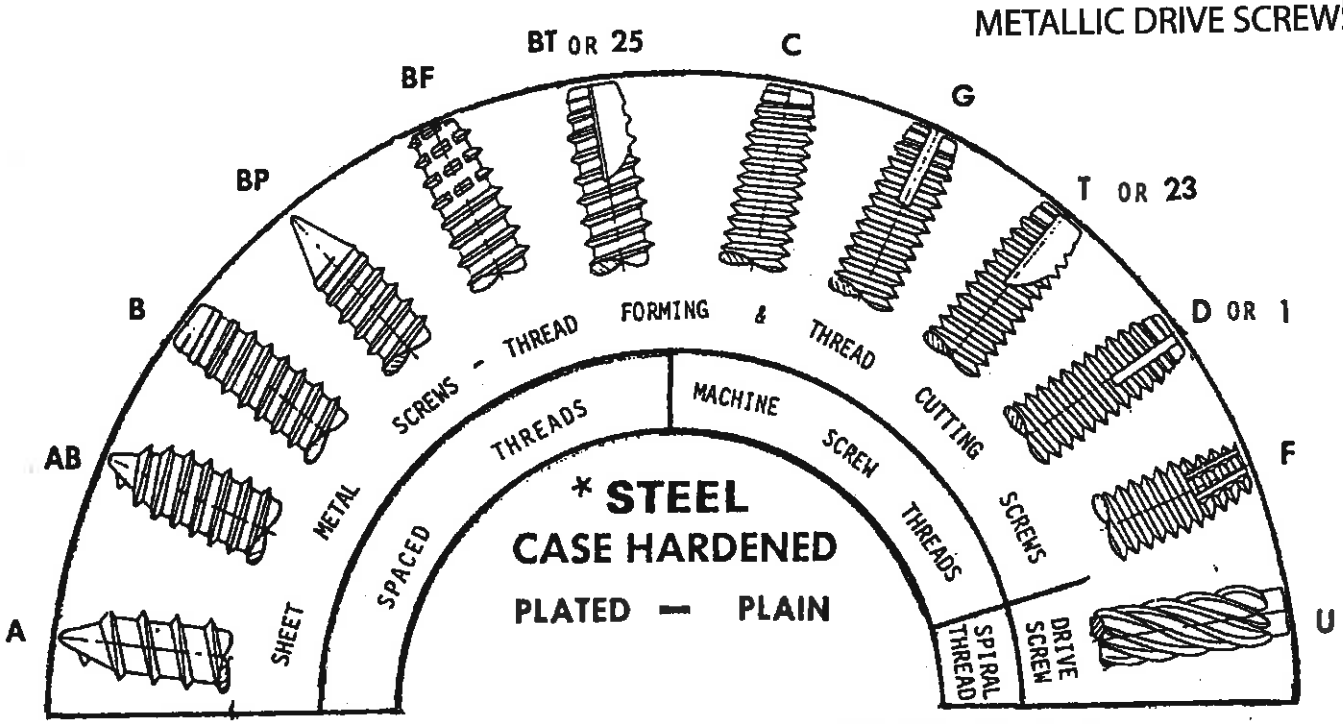
29th Edition

Grayson Industries, Inc.

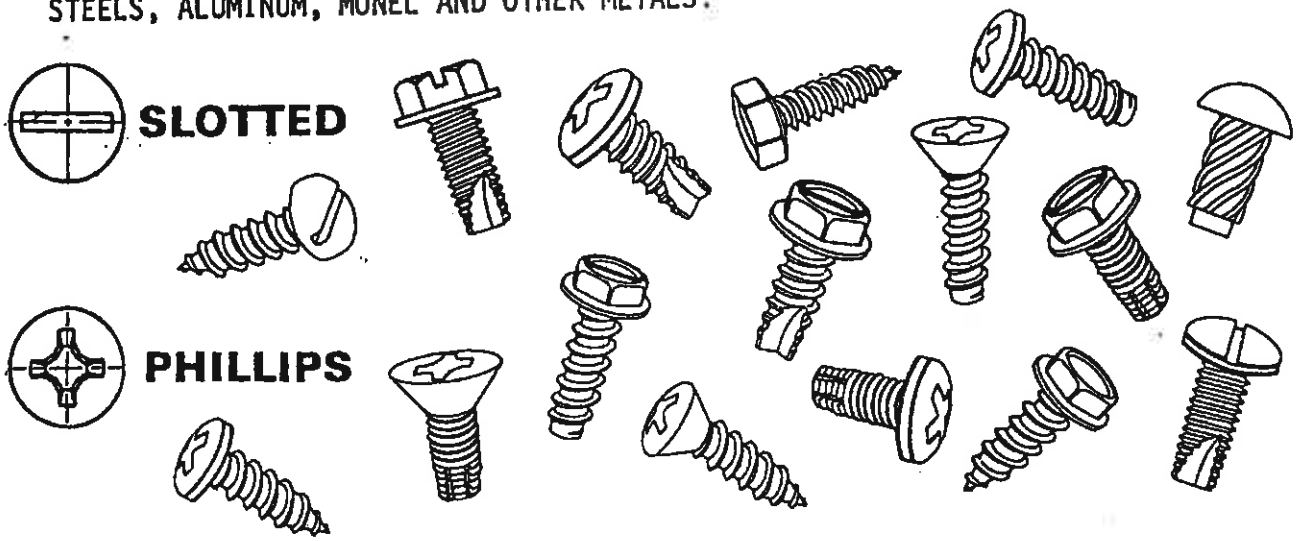
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Tapping Screws

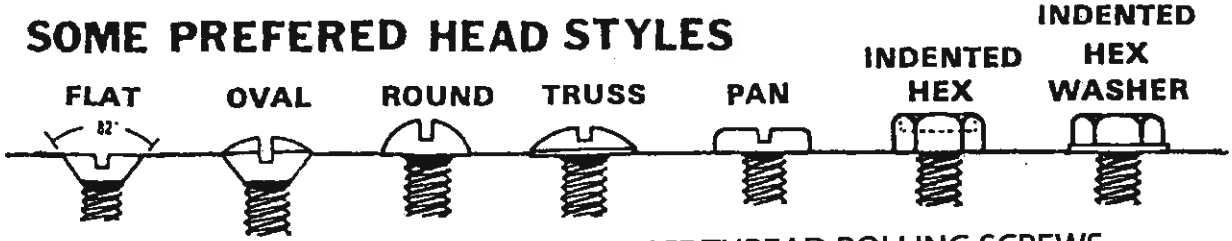
TYPE DESIGNATION OF
TAPPING SCREWS
AND
METALLIC DRIVE SCREWS



* TAPPING SCREWS CAN ALSO BE MANUFACTURED FROM CORROSION RESISTANT (STAINLESS) STEELS, ALUMINUM, MONEL AND OTHER METALS.



SOME PREFERED HEAD STYLES



WE ALSO SUPPLY HIGH PERFORMANCE THREAD ROLLING SCREWS

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

QUICK ALPHABETICAL INDEX

-A-

Air Products - (Brass Hose Barbs) 283-286
All Metal Lock Nuts (#C-Torque Gr8 Hex flange) 13,14, 77-78
All Metal Lock Nuts - Metric (#C-Torque Gr8 Hex flange) 130-131
Anchors, Concrete/Masonry-Drop-In 155
Anchors, Concrete/Masonry-Expansion 154-155
Anchors, Concrete/Masonry-Lag Screw Shields 155
Anchors, Concrete/Masonry-Lead Screw 155
Anchors, Concrete/Masonry-Nylon Expanding 156
Anchors, Concrete/Masonry-Rawl 147-150
Anchors, Concrete/Masonry-Self-Tapping (TAPCONS-Hex & Flat) 155, 281
Anchors, Concrete/Masonry-Wej-It 154
Anchors, Drop-in 155
Anchors, Hollow Wall E-Z 157-158
Anchors, Hollow Wall Screw 156-157
Anchors, Hollow Wall Toggle Bolts 156
Anchors, Lead screw 155
Anchors, Nail-in, round head and flat head 156
Anchors, Rawl 147-150
Anchors, Rawl-Bolt, hex head, heavy duty sleeve 147
Anchors, Rawl, drop in 149
Anchors, Rawl-double expansion machine bolt 148
Anchors, Rawl, mushroom head spike anchors 148
Anchors, Rawl, nail-in hammer screw 150
Anchors- wedge-bolt concrete anchors 150-151
Anchors-Wej-it, expansion anchor bolt with hex nut 154

-B-

Battery Cables 204
Battery Cable Terminals 204-207
Battery Lugs 265
Bolts, Bumper 30
Bolts, Carriage-Grade 2 25-26
Bolts, Carriage-Grade 2 Galvanized 26
Bolts, Carriage-Grade 5 24-25
Bolts, Carriage-Grade 8 24
Bolts, Carriage-Stainless Steel 18-8 93
Bolts, Counterbore – 12 Point Flange Bolt 28
Bolts, Elevator (plated) 28
Bolts, Eye – Crosby Forged Eye 29
Bolts, Flange - Black (12 pt) 28

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bolts, Flange - Black, metric 10.9 118
Bolts, Flange- Plated, metric 10.9 117-118
Bolts, Hex Head – Structural – A325 21
Bolts, Plow – Grade 5 (plated & non-plated) 27-28
Bolts, Plow – Grade 8 (plated & non-plated) 27
Bolts, Spring Center Bolts 30
Bolts, Stove (slotted, round or phillips) 51
Bolts, T Head-Grade 5 22
Bolts, T Head w/Nuts 278
Bolts, Turned Eye (closed) 29
Brass Fittings (Automotive) 209-214,261-264
Brass Fittings (Air Brake Union DOT) 287-289
Brass Pipe Fittings 290-291

-C-

Cable Ties & Mounts 233, 240, 255-256
Cap Nuts, Brass (acorn) 111
Cap Nuts, Steel 80
Cap Screws, Button Socket Head 41-42
Cap Screws, Button Socket Head-Bowmalloy 41
Cap Screws, Button Socket Head-Metric 10.9 126
Cap Screws, Button Socket Head-Stainless Steel 95-96
Cap Screws, Button Socket Head-Stainless Steel 18-8 137-138
Cap Screws, Flat Socket Head (includes countersunk) 39-41
Cap Screws, Flat Socket Head-Bowmalloy 39
Cap Screws, Flat Socket Head-Metric (18-8) 136-137
Cap Screws, Flat Socket Head-Stainless Steel 95
Cap Screws, Hex Flange GR8 Plated 13
Cap Screws, Hex Flange GR8 Non-Plated (black) 13-14
Cap Screws, Hex Flange-Metric (10.9) 118
Cap Screws, Hex Head–Bowma-Torq/Grade 8 (Non-Plated) 9-12
Cap Screws, Hex Head–Bowma-Torq/Grade 8 (Plated) 5-7
Cap Screws, Hex Head—Bowmalloy (L9 Cap Screw equivalent-180,000-200,000 psi) 1-3
Cap Screws, Hex Head—Brass, USS 111
Cap Screws, Hex Head-Grade 2 plated 21-22
Cap Screws, Hex Head-Grade 2 plated (full thread) 22
Cap Screws, Hex Head-Grade 5 (Fully threaded), plated 16
Cap Screws, Hex Head-Grade 5 (Non-Plated) 18-20
Cap Screws, Hex Head-Grade 5 (Plated - domestic) 14-16
Cap Screws, Hex Head-Grade 5 (long lengths 1/2 to 1-1/2"L) 16
Cap Screws, Hex Head-Grade 8 (non-plated) 9-12
Cap Screws, Hex Head-Grade 8 (yellow zinc) 5-7
Cap Screws, Hex Head-Metric, 8.8 118-120
Cap Screws, Hex Head-Metric, 10.9 115-117
Cap Screws, Hex Head-Metric, 12.9 114-115
Cap Screws, Hex Head-Metric Stainless steel 18-8 135-136

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws, Hex Head-Serrated Flange 17-18
Cap Screws, Hex Head-Spinlock 17-18
Cap Screws, Hex Head-Stainless Steel 316 89-90
Cap Screws, Hex Head-Stainless Steel 18-8 91-92
Cap Screws, Metric Stainless Steel 18-8, hex head 135-136
Cap Screws, Metric Stainless Steel 18-8, socket head 136-137
Cap Screws, Shoulder Socket Screws 43-44
Cap Screws, Shoulder Socket Screws –Bowmalloy 42-43
Cap Screws, Shoulder Socket Screws-Stainless Steel 96
Cap Screws, Slotted Flat Head-Grade 5, non-plated 21
Cap Screws, Socket flat Head-Metric 10.9 125-126
Cap Screws, Socket flat Head-stainless 18-8 137
Cap Screws, Socket Head-Bowmalloy 33-35
Cap Screws, Socket Head-Metric 12.9 124-125
Cap Screws, Socket Head-Stainless Steel 18-8 94
Cap Screws, Socket Head-Standard 1960 Series 35-38
Cap Screws, Square Head – Grade 5 21
Carriage Bolts, GR2 Plated (low carbon) 25-26
Carriage Bolts, GR5 Plated (medium carbon) 24-25
Carriage Bolts, GR8 Plated (high carbon) 24
Carriage Bolts, SS, 18-8 93
Clamps, Closed 216
Clamps, Hose 242, 267
Clamps, Tubing 215
Clevis Pins, multi-holed 165
Clevis Pins, single hole 165
Clips, Test, alligator type 203
Concrete Anchors 147-151
Connectors, Wire nuts 201
Cotter pins, extended prong type 163-164
Cotter pins, hairpin, large loop type 164
Cotter pins, hairpin, small loop type 164
Cotter pins, hammer-lock type 163
Cotter Pins, 316 SS 107-108
Cotter Pins, 18-8 SS 108
Cotter Pins, metric 133
Coupling Nuts, 18-8 SS 109
Coupling Nuts 183
Cutting Towels (Drill Bits & Sets) 292-303
Cutting Towels (Taps) 304-306

-D-

Decking Screws, dual drive flat head, galvanized 70
Dowel Pins, metric 18-8 SS 139

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Dowel pins, steel 169-170
Drill Bits, double end countersink 182
Drill Bits-High Speed Jobber Length 188
Drill Bits-Masonry 188
Drill Rod-Oil Hardening 184-185
Drill Screws 62-66
Drills, cobalt steel spot weld 188
Drop Forged Lifting Eyes 275
Drywall Screws, phillips bugle head (coarse and fine) 70-71

-E-

Elevator Bolts (plated) 28
Expansion anchors 154-155
Expansion machine bolt shields/anchors 155
Eye Bolts 29, 271-275
E-Z Screw in anchor 157-158

-F-

Fender Washers, metric 132
Fender Washers, plated 86
Fender Washers, 316 or 18-8 SS 106
Finishing Washers, 18-8 107
Fittings-Brass 261-264
Flat Washers, GR2 (non-plated) SAE 12-13, 20
Flat Washers, GR2 (non-plated) USS 13, 20
Flat Washers, GR5 (plated) SAE 17
Flat Washers, GR5 (plated) USS 17
Flat washers, lead 276-277
Flat Washers, metric, non-hardened 132
Flat Washers, metric, through hardened 131-132
Flat Washers, metric, SS 18-8 136
Flat Washers, zinc yellow, heavy-duty extra thick GR8 SAE 5
Flat Washers, zinc yellow, SAE GR8 ..... 4-5, 8
Flat Washers, zinc yellow, USS GR8 ..... 5, 8
Flat Washers, 316 SS, USS and SAE 91, 105-106
Flat Washers, 18-8 SS, USS and SAE 93, 106
Fuses-Automotive 235-237
Fuses- glass type automotive 235
Fuses & Circuit Breakers 232

-G-

Galvanized-Carriage Bolts 26
Galvanized-Flat Washers 86
Galvanized-Hex Machine Bolts w/Nut 279
Galvanized-Hex Nuts 75

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Grease Fittings (AUTOMOTIVE) 222-225
Grease fitting accessories 227
Grease Fitting tools 226

-H-

Hacksaw Blades 282
Hair pins - external 165
Heat Shrink Tubing 208
Heavy Hex Nuts, 2H non-plated (175,000 psi) 75
Heavy Hex Nuts, 316 SS 103
Heavy Hex Nuts, 18-8 SS 104
Heli-Coil Spark Plug repair inserts 141
Heli-Coil Thread Repair Kits 139-140
Heli Thread repair Inserts 141-147
Hex Castle Nuts, GR 5, finished 76
Hex Flange Screw, GR5 plated (120,000 psi) 17-18
Hex Jam Nuts, plated 75
Hex Jam Nuts, 18-8 SS 104
Hex Machine Bolts w/Nut - Galvanized 279
Hex Nuts, Dura-Torq Thick Hex Nuts L9 72
Hex Nuts, Flange, GR8 (non-plated) (Black) 14, 77
Hex Nuts, GR2 74
Hex Nuts, GR5 finished (non-plated) used with GR5 cap screws 20
Hex Nuts, GR5 finished plated domestic 74
Hex Nuts, GR5 finished non-plated domestic 74
Hex Nuts, GR5 (non-plated), black, used with GR5 plow bolts 20
Hex Nuts, GR5 (plated) 16-17
Hex Nuts, GR8 Finished High 73
Hex Nuts, GR8 (non-plated) 12, 73
Hex Nuts, GR8, non-plated (domestic) 72
Hex Nuts, GR8, plated (domestic) 72
Hex Nuts, GR8 (yellow zinc) 8, 73
Hex Nuts, Heavy, plated 76
Hex Nuts, L9 3-4
Hex Nuts, machine screw 74
Hex Nuts, Metric, stainless 18-8 136
Hex Nuts, Metric, class 10 ..... 117, 128-129
Hex Nuts, metric 8.8 129
Hex Nuts, slotted (cotter pin type), plated 76
Hex Nuts, Thick L9 (180,000 psi) 4
Hex Nuts, 18-8 SS 92, 103-104
Hex Nuts, 316 SS 103
Hi-Collar Lock Washers, 18-8 107
Hi-Collar Lock Washers 133

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Hitch Pins 165-167
Hollow Wall Anchors 156-159
Hose Clamps 242, 267, 307

-J-

Jack Nuts and Installation Tools 228-229
Jam Nuts, Metric 130

-K-

Kep Nuts (K-lock nuts), external tooth, plated 80
Kep Nuts (K-lock nuts), external tooth, 18-8 SS 105
Key Stock, 18-8 SS square 109
Key Stock 183-184
Key stock-Metric Square 135
Key stock-Round - 36" 184
Key stock-Square - 12" and 36" lengths 183

-L-

L9 Cap Screws 1-3
L9 Hex Nuts 3-4
L9 Thick Hex Nuts (180,000 psi) 4
Lag Screws, Hex Head, plated 67
Lag Screws, Hex Head, 18-8 SS 103
Lag Screw shields/anchors 155
Lead Flat Washers 276-277
License Plate Fasteners 221
Lock Washers, countersunk external, plated 218
Lock Washers, external, plated 218
Lock Washers, external tooth stainless steel 107
Lock Washers, GR5 (non-plated) 20-21
Lock Washers, GR5 (plated) 17
Lock Washers, GR8 (non-plated) 13
Lock Washers, GR8 (yellow zinc) 5
Lock washers, internal, plated 218
Lock Washers, internal tooth stainless steel 107
Lock Washers, metric, hardened 115, 117, 132-133
Lock Washers–Stainless Steel-316 ..... 91, 107
Lock Washers–Stainless Steel-18-8 ..... 93, 107
Lock Washers–metric-Stainless Steel-18-8 136
Loom Clips, Wire 220
Lugs, Battery 265

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

-M-

Machine Screws 112-113, 138
Machine screw flat Washers-Non-Hardened, plated SAE 85
Machine screw flat Washers-Non-Hardened, plated USS 85

Machine Screws, Metric (Socket Button, Pan Sltd Cheese Hd,
Phil Flat, Sltd Flt, Phil oval) 126-128
Machine Screws, Phillips flat head, 18-8 SS 99
Machine Screws, Phillips flat head, 18-8 SS, metric 138-139
Machine Screws, Phillips oval head, 18-8 SS 100
Machine screws, Phillips pan head, metric, 18-8 SS 138
Machine Screws, Phillips pan head, 18-8 SS 98
Machine Screws, Phillips round head, 18-8 SS 97
Machine Screws, slotted cheese head, metric 127
Machine Screws, Slotted round head, 18-8 SS 97-98
Machine Screws, slotted pan head, 18-8 SS 98-99
Machine Screws, Type F, Phillips pan head 66
Machinery Eye Bolts 271-274
Machinery Eye Bolts, Metric 275
Masonry Anchors self-tapping screws 155-156
Metric Cap Screws-Hex Head 114-123, 135-136
Muffler Clamp Bolts, GR2 hex bolt full thread 22

-N-

Nuts-Cap 80, 105, 111, 131
Nuts-Cap (acorn) 18-8 SS 105
Nuts-Coupling, SS 18-8 109
Nuts-Hex Nuts-18-8 Stainless Steel 92, 103-104
Nuts-Hex Nuts-316 Stainless Steel 90, 103
Nuts-Hex Nuts-Bowmalloy (L9 Cap Screw equivalent-180,000-200,000 psi) 3-4, 72
Nuts-Hex Nuts-Brass, USS and SAE 111
Nuts-Hex Nuts-Dura-Torq 4, 72
Nuts-Hex Nuts-Galvanized 75
Nuts-Hex Nuts-Grade 2 74-75
Nuts-Hex Nuts-Grade 5 ..... 16-17, 20, 74
Nuts-Hex Nuts-Grade 8 ..... 8, 12, 72-73
Nuts-Hex Nuts-Heavy Hex/2H 75-76
Nuts-Hex Nuts-Machine Screw Grade 2 74
Nuts-Hex Nuts-Metric Class 10 ..... 117-118, 128-129
Nuts-Hex Nuts-Metric Class 8 ..... 122-123, 129
Nuts-Hex Nuts-Metric Jam Nuts 130
Nuts-Hex Nuts-Slotted/Castle 76

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Nuts-Hex Nuts-Stainless Steel-Metric 136
Nuts, Hex Thick L9 (180,000 psi) 4
Nuts-Lock nut, all metal prevailing torque, 304 SS 104
Nuts-Lock nut, serrated flange, 18-8 SS 104
Nuts-Lock Nuts-All Metal-Bowma-Grip GR8 USS and SAE 13
Nuts-Lock Nuts-All Metal-Grade A (zinc-clear) 78
Nuts-Lock Nuts-All Metal-Grade B (zinc and wax) 78
Nuts-Lock Nuts-All Metal-Grade C, non-plated (Flexloc) 77
Nuts-Lock Nuts-All Metal-Metric Bowma-Grip 124, 130
Nuts-Lock Nuts-All Metal-Metric Class 10 130
Nuts-Lock Nuts-All Metal-Grade C, Stainless Steel (Flexloc) 104
Nuts-Lock Nuts-Keps, plated 80
Nuts-Lock Nuts-Keps, 18-8 Stainless 105
Nuts-Lock Nuts-Nylon Insert, GR5 plated 79
Nuts-Lock Nuts-Nylon Insert-Grade 8 plated and non-plated 78
Nuts-Lock Nuts-Nylon Insert-316 SS 104
Nuts-Lock Nuts-Nylon Insert-18-8 SS 105
Nuts-Lock Nuts-Nylon Insert-Metric Class 6 131
Nuts-Lock Nuts-Nylon Insert-Stainless Steel 104-105
Nuts-Lock Nuts-Nylon Insert-Stainless Steel 18-8-Metric 136
Nuts-Lock Nuts-Serrated Flange 79
Nuts-Square machine screw nuts 81
Nuts-T 82
Nuts-Well 81-82
Nuts-Wing 80, 105, 111, 131
Nylon Insert High Hex Lock Nut, GR8, plated 79
Nylon Insert Lock Nuts 78-80, 104-105, 131, 136
Nylon Insert Lock Nuts, flange, plated 79
Nylon Insert Lock Nuts, machine screw, plated 79

-O-

O Rings 231

-P-

Pal Nuts 81
Particle Board Screws 71
Pins-Clevis 165
Pins-Cotter 163-164
Pins-Cotter-Metric 133
Pins-Cotter-Stainless Steel 107-108
Pins-Hair Pin 164-165
Pins-Hitch 165-167
Pins-Spring-Coiled 168-169

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Pins-Spring-Roll 167-168
Pins-Spring-Roll-Metric 133-134, 139
Pins-Taper 171
Pipe Fittings 243
Plow Bolts - GR5 and GR8 (plated & non-plated) 27-28
Prevailing Torque Lock Nuts 13-14
Prevailing Torque Lock Nuts, metric 115
Push Nuts 81
PVC Tubing 217

-R-

Retaining Rings, black 171-172
Retaining Rings, black "E" 172
Retaining Rings, metric internal 134
Retaining Rings, metric external 134
Retaining Rings, metric "E" 134
Retaining Rings - X-washer 172
Retaining Ring tool - used for internal / external retaining ring 172
Rings-Buna 'N' Rubber 'O' 231
Rings-Retaining-E 172
Rings-Retaining-External 171-172
Rings-Retaining-Int/Ext Retaining Ring Tool 172
Rings-Retaining-Internal 172
Rings-Retaining-Metric E 134
Rings-Retaining-Metric External 134
Rings-Retaining-Metric Internal 134
Rivets-Back Up Washers 180
Rivets-Blind-Bulbex 177
Rivets-Blind-Closed End 177
Rivets-Blind-Klamp-Tite 178
Rivets-Blind-Open End Size Chart - actual size 173
Rivets-Blind-Open End 173-176
Rivets-Blind-Open End-Multi-Grip 176-177
Rivets-Blind-Split 178
Rivets-Blind-TLR 177
Rivets-Drive Pin-Aluminum 181
Rivet installation tool 179-180
Rivets-Sign Attaching 181
Rivets-Solid-Aluminum 180
Rivets-Structural-Ultra-Grip 178
Rivets-Umbrella Plugs 182
Roll Pins 133-134, 139

-S-

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Screws-All Purpose-Steel-Spax Universal 67
Screws-Decking/Drywall 70-71
Screws-Lag 67-68, 103
Screws-Machine-Brass-Phillips Pan Head 112
Screws-Machine-Brass-slotted Flat Head 113
Screws-Machine-Brass-slotted Round Head 112
Screws-Machine-Metric-Cheese Head 127
Screws-Machine-Metric-Flat Head 127-128
Screws-Machine-Metric-Oval Head 128
Screws-Machine-Metric-Pan Head 126-127
Screws-Machine-Stainless Steel-Flat Head 99-100
Screws-Machine-Stainless Steel-Oval Head 100
Screws-Machine-Stainless Steel-Pan Head 100
Screws-Machine-Stainless Steel-Round Head 97-98
Screws-Machine-Stainless Steel-Truss Head 99
Screws-Machine-Stainless Steel-Metric-Flat Head 138-140
Screws-Machine-Stainless Steel-Metric-Pan Head 137-138
Screws-Machine- Steel-Phillips Flat Head 53
Screws-Machine - Steel-Slotted Flat Head 54
Screws-Machine - Steel-Hex Head 55
Screws-Machine - Steel-Phillips Oval Head 55
Screws-Machine - Steel-Slotted Oval Head 55
Screws-Machine - Steel-Phillips Pan Head 52-53
Screws-Machine - Steel-Phillips Round Head 50
Screws-Machine - Steel-Torx Drive 56
Screws-Machine - Steel-Phillips Truss Head 53
Screws-Self-Drilling-Stainless Steel-Flat/Pan Head 103-104
Screws-Self-Drilling- Steel-Flat Head 65
Screws-Self-Drilling- Steel-Hex Head 63
Screws-Self-Drilling- Steel-slotted Hex washer Head 62
Screws-Self-Drilling- Steel- Hex washer Head Teks 62
Screws-Self-Drilling- Steel-Pan Head 64
Screws-Self-Drilling- Steel-Pancake Head 65
Screws-Sheet Metal-Pan Head Square drive 58
Screws-Sheet Metal-Stainless Steel-Phillips Flat Head 18-8 101-102
Screws-Sheet Metal-Stainless Steel-Phillips Oval Head 18-8 102
Screws-Sheet Metal-Stainless Steel-Phillips Pan Head 18-8 100
Screws-Sheet Metal-Stainless Steel-Slotted Pan Head 18-8 101
Screws-Sheet Metal-Stainless Steel-slotted oval Head 18-8 102
Screws-Sheet Metal-Stainless Steel-hex washer Head 410 103
Screws-Sheet Metal-Stainless Steel-Phillips Truss Head 18-8 101
Screws-Sheet Metal- Steel-Phillips Flat Head, plated 59
Screws-Sheet Metal- Steel-Phillips Flat Head, black 59
Screws-Sheet Metal- Steel-Slotted Flat Head, plated 59
Screws-Sheet Metal- Steel-Hex Head (plated) 61-62

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Screws-Sheet Metal- Steel-slotted truss Head, plated 58
Screws-Sheet Metal- Steel-Phillips Oval Head (nickel plating) 60
Screws-Sheet Metal- Steel-Phillips Oval Head (plated) 60
Screws-Sheet Metal- Steel-Phillips Oval Head (black) 60-61
Screws-Sheet Metal- Steel-Phillips undersized Oval Head (plated) 61
Screws-Sheet Metal- Steel-slotted Oval Head (plated) 61
Screws-Sheet Metal-Steel-slotted hex washer head (plated) 62
Screws-sheet metal-steel-Phillips and slotted universal pan head 57-58
Screws-Sheet Metal- Steel-Phillips Pan Head, plated 56-57
Screws-Sheet Metal- Steel-Phillips Pan Head, black 57
Screws-Sheet Metal- Steel-Slotted Pan Head, plated 57
Screws-Sheet Metal- Steel-Truss Head 58
Screws-Socket Set 45-48
Screws-Socket Set-Bowmalloy 47-48
Screws-Socket Set-Metric 126, 138
Screws-Socket Set-Stainless Steel 316 (cup point) 96
Screws-Square Head Set 49-50
Screws-Thread Cutting-Steel-Floorboard Screws 65-66
Screws-Thread Cutting-Steel-Hex Head 65
Screws-Thread Cutting-Steel-Pan Head 65
Screws-Thumb 56
Screws-Wood-Brass-Flat Head 113
Screws-Wood-Steel-Flat Head 68-70
Screws-Wood-Steel-Round Head 68
Sheet Metal Screws 58-60, 100-103
Slotted Flat Head Cap Screws 21
Socket Head Cap Screws 33-44, 94-96, 124-126, 136-137
Socket Set Screws 44-48, 138
Socket Set Screws, Metric (12.9) 126-127
Socket Set Screws, Metric Stainless steel 18.8 - 304 138
Special Flat Washers (Lead) 276-277
Spin-Lock Flange Lock Nuts 79
Springs 219
Springs, extension, plated 219
Springs, universal 219
Spring Pins, metric non-plated 133-134
Spring Pins, metric stainless steel 139
Spring Pins, rolled, steel, black 167-169
Spring Washers, Metric (wave type) 132
Square Head Cap Screws 21
Square Head Set Screws 49
Stainless Steel (18-8) Hex Head Cap Screws 91-92
Stainless Steel (18-8) Finishing Washers 107
Stainless Steel (18-8) Lock Washers 107
Stainless Steel (18-8) Square Key Stock 109

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel (316) Flat Washers 91, 105-106
Stainless Steel (316) Hex Head Cap Screws 89-90
Stainless Steel (316) Hex Nuts 90, 92, 103
Stainless Steel (316) Lock Washers 91, 107
Stainless Steel (316) Socket Set Screws 96
Stainless Steel Hex Nuts 104
Stove Bolts (slotted, round or Phillips) 51
Studs-B7 31
Studs-High Strength Universal GR8 30-31
Studs-medium Strength Universal GR5 31

-T-

T Head Bolts, GR 5 22
T Head Bolts w/Nuts 278
T-Nuts 82
Tapcons, concrete anchors, hex and flat head 281
Taper pins - steel 171
Teks Screws 62-66
Terminals 189-199, 246-254
Terminals-Crimping & Cutting Tools 200
Test Clips 203
Thread Cutting Screws 66-67
Thread Repair-Gripserts 141-143
Thread Repair-Heli-Coil 139-141
Thread Repair-Keyserts 145-146
Thread Repair-Rivet Nut 146-147
Thread Repair-Thinserts 143-144
Threaded Rod 108-109, 185
Threaded Rod Anchoring System 159-162
Threaded Rod-B7 182
Threaded Rod couplers 183
Threaded Rod-Low Carbon 183
Threaded Rod-Metric 135
Threaded Rod-Stainless Steel, 316 (36", 72") 108
Threaded Rod-Stainless Steel, 18-8 (36", 72") 109
Toggle bolt hollow wall anchors (wing type) 156
Tooth Lock Washers, 18-8 (internal or external) 107
Tubing Clamps 215
Tubing, Heat Shrink 208
Tubing, PVC Clear Flexible Vinyl 217
Turnbuckles 185

-U-

U-Bolts (and Plates) 270

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Universal High Strength studs, GR8 30-31
Universal medium strength studs, GR5 31

-V-

Velcro Hook & Loop Fasteners, Miscellaneous Items 266
Vinyl tubing, clear 217

-W-

Washers-Bevel-Square 89
Washers-Bolt Seat 89
Washers-Fender Washers, plated 86
Washers-Fender-Stainless Steel-18-8 (or specify 316 when ordering) 106
Washers-finishing, Countersunk 230
Washers-Flat - Black oxide, USS 86
Washers-Flat-Brass 111-112
Washers-Flat-Copper 113-114
Washers-Flat-Galvanized 86
Washers-Flat, GR 5 SAE, plated 84
Washers-Flat, GR 5 USS, plated 84-85
Washers-Flat-Heavy Duty SAE, plated 84
Washers-Flat-Lead 276-277
Washers-Flat, metric, through hardened 131-132
Washers-Flat-Metric-Non-Hardened 132, 136
Washers-Flat-Stainless Steel-18-8 ..... 93, 106
Washers-Flat-Stainless Steel-316, SAE 91
Washers-Flat-Stainless Steel-316, USS 91
Washers-Flat-Steel-Through-Hardened 117
Washers-Flat-Through-Hardened, GR8, SAE, plated 83
Washers-Flat-Through-Hardened, GR8, USS, plated 83
Washers-Flat-Through-Hardened, GR8, SAE, non-plated 83
Washers-Flat-Through-Hardened, GR8, USS, non-plated 83
Washers-Flush Type 230
Washers-Lock Ext 218
Washers-Lock Ext Countersunk 218
Washers-Lock Internal 218
Washers-Lock-Metric 115, 117, 123-124, 132-133
Washers-Lock-Metric-High Collar 133
Washers-Lock-Stainless Steel 91, 93, 107
Washers-Lock-Stainless Steel Metric 136
Washers-Lock-Steel-Heavy section split, plated 87
Washers-Lock-Steel-Hi- Collar, non-plated 88
Washers-Lock-Steel-High Strength, GR8, plated Split 87
Washers-Lock-Steel-High Strength, GR8, non-plated Split 87
Washers-Lock-Steel-High Strength, GR5, plated Split 87

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Washers-Lock-Steel-High Strength, GR5, non-plated Split 87
Washers-Machine screw flat Washers-Non-Hardened, plated SAE 85
Washers-Machine screw flat Washers-Non-Hardened, plated USS 85
Washers-Nylon Finishing 230
Washers-Toothed Lock, internal 88
Washers-Toothed Lock, external 88
Washers-Toothed Lock, internal and external combination 88
Wedge Anchors-Stainless Steel 18-8 280
Wedge Bolt 151
Well Nuts 81-82
Wheel Nuts 269
Wheel Studs and Bolts 268
Wing Nuts, Type A and Type C, plated 80
Wing Nuts, 18-8 SS 105
Wing Nuts, Brass 111
Wing Nuts, Metric 131
Wire 203, 244
Wire Accessories 238, 259-260
Wire-Automotive & Vehicle 239, 257-258
Wire, fusible link 203
Wire Connectors 201
Wire Nut connectors 201
Wire Loom 202
Wire Loom Clips 220
Wire, primary wire (colors) 244
Wire Rope Accessories (Thimbles, Cable Ferrules, Malleable Rope Clips) 245
Wire test clips, alligator type 203
Wood Screws, universal Spax, plated 67
Wood screws, slotted round head, plated 68
Wood screws, Phillips flat head, plated 68-69
Wood screws, slotted flat head, plated 69
Wood screws, brass, Phillips flat head 113
Woodruff Keys 184

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 **Fax (24 hrs.): (954) 720-0175**

Email: graysonind@gmail.com

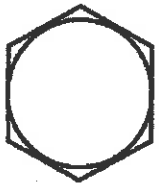
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Bowmalloy

Comparison of Cap Screw Strength by Grade

Comparisons are based on requirements established by the Society of Automotive Engineers (SAE) and the American Society for Testing and Materials (ASTM).



SAE Spec	ASTM Spec	Material & Treatment
SAE J429 Grade 2	No ASTM Rating	Low Carbon Steel

Nom. Size Dia. (In.)	Full Size Bolts Proof Load (Stress) psi	Full Size Bolts Tensile Strength (Stress) Min. psi	Core Hardness Rockwell Min.	Core Hardness Rockwell Max.
¼ thru ¾	55,000	74,000	B80	B100
⅞ thru 1½	33,000	60,000	B70	B100



SAE Spec	ASTM Spec	Material & Treatment
SAE J429 Grade 5	A449 Type 1	Medium Carbon Steel, Quenched & Tempered

Nom. Size Dia. (In.)	Full Size Bolts Proof Load (Stress) psi	Full Size Bolts Tensile Strength (Stress) Min. psi	Core Hardness Rockwell Min.	Core Hardness Rockwell Max.
¼ thru 1	85,000	120,000	C25	C34
1⅛ thru 1½	74,000	105,000	C19	C30



SAE Spec	ASTM Spec	Material & Treatment
SAE J429 Grade 8	A354 Grade BD	Bowma-Torq®/ Grade 8 Medium Carbon Alloy Steel, Quenched & Tempered

Nom. Size Dia. (In.)	Full Size Bolt Proof Load (Stress) psi	Full Size Bolt Tensile Strength (Stress) Min. psi	Core Hardness Rockwell Min.	Core Hardness Rockwell Max.
½ thru 1½	120,000	150,000	C33	C39



SAE Spec	ASTM Spec	Material & Treatment
No SAE Rating High Enough	No ASTM Rating High Enough	Bowmalloy® Proprietary, Medium Carbon Alloy Steel, Quenched & Tempered

Nom. Size Dia. (In.)	Full Size Bolts Proof Load (Stress) psi	Full Size Bolts Tensile Strength (Stress) Min. psi	Core Hardness Rockwell Min.	Core Hardness Rockwell Max.
¼ thru 1½	156,000	180,000 min. 200,000 max.	C38	C42

Bowmalloy® Fastening System

High-Strength Fasteners Specially Engineered for High-Stress Applications

Precision Rolled Threads

Strong rolled threads resist shear, enhance thread engagement and maintain a consistent stress pattern that reduces load concentration.

Class 2A Thread Fit

Permits maximum plating thickness while maintaining precision thread engagement.

Matching Fastener Components

For ultimate strength, holding power and service life, match Bowmalloy® cap screws with Bowmalloy® nuts or BowmaGrip® lock nuts and Bowmalloy® washers!.

Excellent Elongation Properties

Stretches a minimum of 12% in a standard elongation test per SAE J429.

High Visibility Grade Markings

12 raised radial lines, our symbol of alloy steel rated HIGHER than SAE Grade 8.

Extra High Head

Full grip head, designed 20% higher, provides even distribution of torque forces. Makes wrenching safe and easy.

Smooth Chamfered Point

Allows quick and easy thread engagement.

Radiused Root Thread Runout

Eliminates stress points that cause fatigue failure. Provides long service life.

Smooth, Precision Formed Washer-Faced Bearing Surface

Permits complete 360° load distribution; maintains appropriate and consistent clamping forces.

Smooth Fillet Radius Design

Reduces stress concentration where the head and shank meet; minimizes the possibility of "popping" the head.

Through-Hardened Alloy Steel

Tensile strength up to 200,000 psi maintains shock-absorbing, fatigue-resistant ductility. Proven proof load performance 30% stronger than same size SAE Grade 8 minimum requirements. Full strength properties are maintained through intermittent temperature changes between -65° to +800°F.

Unichrome™ Plating

An exclusive electro-deposited plating, baked for protection against hydrogren embrittlement, then chromatized for corrosion resistance that is superior to commercial zinc plating.

Quality Control

1. In-Process inspection by machine operators and inspectors.
2. Lab tested, dimensional layout, mechanical tests and inspection.
3. Lot traceability to the material and test certifications by means of a designated lot number on our packaging.

Bowmalloy® Hex Head Cap Screws



- Made in USA
- UNC (USS) or UNF (SAE)
- Exceeds SAE J429 Grade 8 and ASTM A354-BD tensile strength requirements
- Special high-strength medium carbon alloy steel
- Through-hardened
- 180,000-200,000 psi tensile strength (190,000 psi average)

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (In.)	Length (In.)	Unit
36000	36300	¼	½	100
MP36000	MP36300	¼	½	50
36001	36301	¼	⅝	100
36002	36302	¼	¾	100
MP36002	MP36302	¼	¾	50
36003	*	¼	⅞	100
36004	36304	¼	1	100
MP36004	MP36304	¼	1	50
36005	36305	¼	1¼	100
36006	36306	¼	1½	100
MP36006	MP36306	¼	1½	50
36007	36307	¼	1¾	100
36008	36308	¼	2	100
MP36008	MP36308	¼	2	50
36009	36309	¼	2¼	100
36010	36310	¼	2½	100
MP36010	MP36310	¼	2½	25
36011	36311	¼	2¾	100
36012	36312	¼	3	50
MP36012	MP36312	¼	3	25
36012-1	*	¼	3¼	50
36013	36313	¼	3½	50
36014	36314	¼	4	50

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
36025	36325	5/16	½	100
36026	*	5/16	⅝	100
36027	36327	5/16	¾	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
MP36027	MP36327	5/16	3/4	50
36328	"	5/16	7/8	100
36329	36329	5/16	1	100
MP36329	MP36329	5/16	1	50
36330	36330	5/16	1 1/4	100
36331	36331	5/16	1 1/2	100
MP36331	MP36331	5/16	1 1/2	50
36332	36332	5/16	1 3/4	100
MP36332	"	5/16	1 3/4	50
36333	36333	5/16	2	100
MP36333	MP36333	5/16	2	25
36334	36334	5/16	2 1/4	100
MP36334	"	5/16	2 1/4	25
36335	36335	5/16	2 1/2	100
MP36335	MP36335	5/16	2 1/2	25
36336	36336	5/16	2 3/4	100
36337	36337	5/16	3	50
MP36337	MP36337	5/16	3	25
36338	"	5/16	3 1/4	50
36339	36339	5/16	3 1/2	50
MP36339	"	5/16	3 1/2	25
36340	36340	5/16	4	50
MP36340	"	5/16	4	25
36340-1	36340-1	5/16	4 1/2	50
MP36340-1	"	5/16	4 1/2	25
36342	36342	5/16	5	50
MP36342		5/16	5	25

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
36350	36350	3/8	1/2	100
36351	"	3/8	5/8	100
36352	36352	3/8	3/4	100
MP36352	MP36352	3/8	3/4	25
36353	36353	3/8	7/8	100
36354	36354	3/8	1	100
MP36354	MP36354	3/8	1	25
36355	36355	3/8	1 1/4	100
MP36355	MP36355	3/8	1 1/4	25
36356	36356	3/8	1 1/2	100
MP36356	MP36356	3/8	1 1/2	25
36357	36357	3/8	1 3/4	100
MP36357	"	3/8	1 3/4	25
36358	36358	3/8	2	50
MP36358	MP36358	3/8	2	25
36359	36359	3/8	2 1/4	50
MP36359	"	3/8	2 1/4	25
36360	36360	3/8	2 1/2	50
MP36360	MP36360	3/8	2 1/2	25
36361	36361	3/8	2 3/4	50
MP36361	"	3/8	2 3/4	25
36362	36362	3/8	3	50
MP36362	MP36362	3/8	3	10
36363	36363	3/8	3 1/4	50
36364	36364	3/8	3 1/2	50
MP36364	"	3/8	3 1/2	10
36365	"	3/8	3 3/4	50
36366	36366	3/8	4	25
36367	36367	3/8	4 1/2	25
MP36367	"	3/8	4 1/2	10
36368	36368	3/8	5	25
MP36368		3/8	5	10
36369	36369	3/8	5 1/2	25
36370	36370	3/8	6	25
36371	"	3/8	6 1/2	25
36372	"	3/8	7	25

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
36377	36377	7/16	3/4	50
36379	36379	7/16	1	50
MP36379	MP36379	7/16	1	25
36380	36380	7/16	1 1/4	50
MP36380	"	7/16	1 1/4	25
36381	36381	7/16	1 1/2	50
MP36381	MP36381	7/16	1 1/2	25
36382	36382	7/16	1 3/4	50
36383	36383	7/16	2	50
MP36383	MP36383	7/16	2	25
36384	36384	7/16	2 1/4	50
MP36384	"	7/16	2 1/4	25
36385	36385	7/16	2 1/2	50
MP36385	MP36385	7/16	2 1/2	10
36386	36386	7/16	2 3/4	25
MP36386	"	7/16	2 3/4	10
36387	36387	7/16	3	25
MP36387	MP36387	7/16	3	10
36388	"	7/16	3 1/4	25
36389	36389	7/16	3 1/2	25
MP36389	"	7/16	3 1/2	10
36391	36391	7/16	4	25
MP36391	"	7/16	4	10
36392	36392	7/16	4 1/2	25
MP36392	"	7/16	4 1/2	10
36393	36393	7/16	5	25
MP36393		7/16	5	10
36394	"	7/16	5 1/2	25
MP36394	"	7/16	5 1/2	10
36395	36395	7/16	6	25
MP36395	"	7/16	6	10
36397	"	7/16	6 1/2	25
MP36397	"	7/16	6 1/2	10
36398	"	7/16	7	10

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
36402	36402	1/2	3/4	50
36404	36404	1/2	1	50
MP36404	MP36404	1/2	1	25
36405	36405	1/2	1 1/4	50
MP36405	"	1/2	1 1/4	25
36406	36406	1/2	1 1/2	50
MP36406	MP36406	1/2	1 1/2	25
36407	36407	1/2	1 3/4	50
MP36407	"	1/2	1 3/4	25
36408	36408	1/2	2	50
MP36408	MP36408	1/2	2	25
36409	36409	1/2	2 1/4	25
36410	36410	1/2	2 1/2	25
MP36410	MP36410	1/2	2 1/2	10
36411	36411	1/2	2 3/4	25
MP36411	"	1/2	2 3/4	10
36412	36412	1/2	3	25
MP36412	MP36412	1/2	3	10
36413	36413	1/2	3 1/4	25
36414	36414	1/2	3 1/2	25
MP36414	"	1/2	3 1/2	10
36415	"	1/2	3 3/4	25
36416	36416	1/2	4	25
MP36416	"	1/2	4	10
36417	36417	1/2	4 1/2	25
MP36417	"	1/2	4 1/2	10
36418	36418	1/2	5	25
MP36418	"	1/2	5	10
36419	36419	1/2	5 1/2	25
MP36419	"	1/2	5 1/2	10
36420	36420	1/2	6	25

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
MP36420	"	1/2	6	10
36421	36421	1/2	6 1/2	10
36422	36422	1/2	7	10
36423	"	1/2	7 1/2	10
36424	"	1/2	8	10

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
36429	36429	9/16	1	25
MP36429	MP36429	9/16	1	5
36430	36430	9/16	1 1/4	25
36431	36431	9/16	1 1/2	25
MP36431	MP36431	9/16	1 1/2	5
36432	36432	9/16	1 3/4	25
36433	36433	9/16	2	25
MP36433	MP36433	9/16	2	5
36434	36434	9/16	2 1/4	25
36435	36435	9/16	2 1/2	10
MP36435	MP36435	9/16	2 1/2	5
36437	36437	9/16	3	10
MP36437	MP36437	9/16	3	5
36439	36439	9/16	3 1/2	10
36441	36441	9/16	4	10
36442	36442	9/16	4 1/2	10
36443	36443	9/16	5	10
36443-1	"	9/16	5 1/2	10
36444	"	9/16	6	10

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
36445	36445	5/8	1	25
36446	36446	5/8	1 1/4	25
36447	36447	5/8	1 1/2	25
MP36447	MP36447	5/8	1 1/2	10
36448	36448	5/8	1 3/4	25
MP36448	"	5/8	1 3/4	10
36449	36449	5/8	2	25
MP36449	MP36449	5/8	2	10
36450	36450	5/8	2 1/4	25
MP36450	MP36450	5/8	2 1/4	10
36451	36451	5/8	2 1/2	25
MP36451	MP36451	5/8	2 1/2	10
36452	36452	5/8	2 3/4	25
MP36452	"	5/8	2 3/4	10
36453	36453	5/8	3	25
MP36453	MP36453	5/8	3	10
36454	36454	5/8	3 1/4	25
36455	36455	5/8	3 1/2	25
MP36455	MP36455	5/8	3 1/2	10
36456	36456	5/8	3 3/4	25
36457	36457	5/8	4	25
MP36457	MP36457	5/8	4	10
36458	36458	5/8	4 1/2	25
MP36458	MP36458	5/8	4 1/2	10
36459	36459	5/8	5	25
MP36459	MP36459	5/8	5	10
36460	36460	5/8	5 1/2	25
MP36460	"	5/8	5 1/2	10
36461	36461	5/8	6	25
MP36461	"	5/8	6	10
36462	36462	5/8	6 1/2	10
36463	36463	5/8	7	10
MP36463	"	5/8	7	5
"	36464	5/8	7 1/2	10
"	"	5/8	7 1/2	5

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (In.)	Length (In.)	Unit
36165	36485	⅝	8	5
36166	*	⅝	8½	5
36167	*	⅝	9	5

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (In.)	Length (In.)	Unit
36170	36470	¾	1½	25
36171	36471	¾	1¾	25
36172	36472	¾	2	25
MP36172	MP36472	¾	2	10
36173	36473	¾	2¼	25
MP36173	*	¾	2¼	10
36174	36474	¾	2½	25
MP36174	MP36474	¾	2½	10
36175	36475	¾	2¾	25
MP36175	*	¾	2¾	10
36176	36476	¾	3	25
MP36176	MP36476	¾	3	10
36177	36477	¾	3¼	25
36178	36478	¾	3½	25
MP36178	MP36478	¾	3½	10
36179	36479	¾	3¾	25
36180	36480	¾	4	10
36181	36481	¾	4½	10
36182	36482	¾	5	10
36183	36483	¾	5½	10
36184	36484	¾	6	10
36185	36485	¾	6½	10
36186	36486	¾	7	5
36187	36487	¾	7½	5
36188	36488	¾	8	5
36189	*	¾	8½	5
36190	36490	¾	9	2
36191	36491	¾	10	2
36192	*	¾	10½	2

UNC Part No. TPI-9	UNF Part No. TPI-14	Dia. (In.)	Length (In.)	Unit
36193	*	⅞	1½	10
36194	36494	⅞	2	10
36195	*	⅞	2¼	10
36196	36496	⅞	2½	10
36197	*	⅞	2¾	10
36198	36498	⅞	3	10
36200	36500	⅞	3½	10
36201	36501	⅞	4	10
36202	36502	⅞	4½	10
36203	36503	⅞	5	10
36204	36504	⅞	5½	10
36205	36505	⅞	6	10
36206	*	⅞	6½	5
36207	36507	⅞	7	2
36208	*	⅞	7½	2
36209	36509	⅞	8	2
36211	36511	⅞	9	2
36212	36512	⅞	10	2

UNC Part No. TPI-8	UNF Part No. TPI-14	Dia. (In.)	Length (In.)	Unit
36214	36514	1	2	10
36215	36515	1	2½	10
36217	36517	1	3	10
36219	36519	1	3½	10
36221	36521	1	4	10
36222	36522	1	4½	10
36223	36523	1	5	10

UNC Part No. TPI-8	UNF Part No. TPI-14	Dia. (In.)	Length (In.)	Unit
36224	36524	1	5½	10
36225	36525	1	6	10
36226	*	1	6½	2
36227	36527	1	7	2
36228	36528	1	7½	2
36229	36529	1	8	2
36231	36531	1	9	2
36232	36532	1	10	2
36233-12	*	1	12	2

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (In.)	Length (In.)	Unit
36234	*	1⅛	3	5
36235	*	1⅛	3½	5
36236	*	1⅛	4	5
36238	*	1⅛	5	5
36239	*	1⅛	6	5

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (In.)	Length (In.)	Unit
36240	*	1¼	3	5
36245	*	1¼	4	2
36246	*	1¼	4½	2
36247	*	1¼	5	2
36248	*	1¼	6	2
36249	*	1¼	7	2
36250	*	1¼	8	2
36251	*	1¼	9	2
36252	*	1¼	10	2

UNC Part No. TPI-6	UNF Part No. TPI-12	Dia. (In.)	Length (In.)	Unit
36255	*	1½	5	1
36256	*	1½	6	1
36257	*	1½	7	1
36258	*	1½	8	1

* Item not available.

†1" – 14 is UNS Thread Series. A 1" – 14 tapped hole is required for this size cap screw, or use a 1" – 14 Bowmalloy® or Bowma-Grip® hex nut.

Bowmalloy® Hex Nuts



BOWMAN Unichrome PLATING™

- Made in USA
- Medium carbon through-hardened steel gives excellent assembly performance with Bowmalloy® cap screws. Eliminates "stripping-out" caused by inferior grade nuts.
- Unichrome™ plating provides corrosion resistance that is superior to commercial zinc plating.
- ASME Class LUN-2B thread fit assures fully formed, precision-fitting threads that provide complete and continuous clamping force.
- Chamfered first thread allows easy thread engagement.
- Smooth bearing surface distributes load evenly for consistent clamping.
- High design gives additional threads and more wrenching surface for positive clamping properties and slip-free installation.
- Concentric circle grain structure gives added strength to prevent cracking and splitting for safe, long service life.
- Use with Bowmalloy® cap screws.
- UNC (USS) or UNF (SAE)
- Exceeds SAE J995 Grade B specifications
- Medium carbon steel
- Through-hardened
- 180,000 psi proof load
- Use with Bowmalloy® cap screws

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
36601	¼-20	36611	¼-28	100
MP36601	¼-20	MP36611	¼-28	50
36602	5/16-18	36612	5/16-24	100
MP36602	5/16-18	MP36612	5/16-24	50
36603	⅜-16	36613	⅜-24	100
MP36603	⅜-16	MP36613	⅜-24	50
36604	7/16-14	36614	7/16-20	50
MP36604	7/16-14	MP36614	7/16-20	25
36605	½-13	36615	½-20	50
MP36605	½-13	MP36615	½-20	25
36606	9/16-12	36616	9/16-18	50
MP36606	9/16-12	MP36616	9/16-18	25
36607	⅝-11	36617	⅝-18	50
MP36607	⅝-11	MP36617	⅝-18	25
36608	¾-10	36618	¾-16	25
36609	⅞-9	36619	⅞-14	25
36610	1-8	36620	1-14	25
36610-11/8	1⅛-7	36620-11/8	1⅛-12	10
36610-11/4	1¼-7	36620-11/4	1¼-12	10
36610-11/2	1½-6	36620-11/2	1½-12	10
36610-13/4	1¾-5	*	*	5
36610-2	2-4½	36620-2	2-12	5

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

Hex Head Cap Screws & Hex Nuts Technical Data

Size (In.)	Hex Head Cap Screws Wrench Size Width Across Flats (In.)	Hex Nuts & Bowma-Grip® Wrench Size Width Across Flats (In.)	Hex Nuts Thickness (In.)		Bowma-Grip® Hex Lock Nuts Thickness (In.)	
			Max.	Min.	Max.	Min
1/4	7/16	3/8	0.226	0.212	0.226	0.212
5/16	1/2	1/2	0.273	0.258	0.273	0.258
3/8	9/16	9/16	0.337	0.320	0.337	0.320
7/16	5/8	11/16	0.385	0.365	0.385	0.365
1/2	3/4	3/4	0.448	.0427	0.448	0.427
9/16	13/16	7/8	0.496	0.473	0.496	0.473
5/8	15/16	15/16	0.559	0.535	0.559	0.535
3/4	1 1/8	1 1/8	0.665	0.617	0.734	0.710
7/8	1 5/16	1 5/16	0.776	0.724	0.859	0.833
1	1 1/2	1 1/2	0.887	0.831	0.984	0.956
1 1/8	1 11/16	1 11/16	0.999	0.939	1.155	1.095
1 1/4	1 7/8	1 7/8	1.094	1.030	1.282	1.218
1 3/8	2 1/16	2 1/16	1.317	1.245	1.536	1.464

Dura-Torq

Dura-Torq® Thick Hex Nuts



Dura-Torq Hex Nuts are thicker than standard nuts and are designed to be used specifically with stronger than Grade 8 Cap Screws. The thicker nut provides a larger wrenching area to eliminate wrench slippage. The cad & wax plating provides for an extremely consistent torque requirement which is significantly lower than required for a standard zinc plating.

Specifications:

- Made in USA
- 180,000 psi proof load
- Cad & Wax plating

Part No.	Dia. TPI	UNC/UNF	Flats (In.)	Thick (In.)	Unit
C92448	1/4-20	UNC	7/16	15/64	100
C92449	1/4-28	UNF	7/16	15/64	100
C92450	5/16-18	UNC	1/2	21/64	100
C92451	5/16-24	UNF	1/2	21/64	100
C92452	3/8-16	UNC	9/16	25/64	100
C92453	3/8-24	UNF	9/16	25/64	100
C92454	7/16-14	UNC	11/16	7/16	50
C92455	7/16-20	UNF	11/16	7/16	50
C92456	1/2-13	UNC	3/4	33/64	50
C92457	1/2-20	UNF	3/4	33/64	50
C92458	9/16-12	UNC	7/8	37/64	25
C92459	9/16-18	UNF	7/8	37/64	25
C92460	5/8-11	UNC	15/16	41/64	25
C92461	5/8-18	UNF	15/16	41/64	25
C92462	3/4-10	UNC	1 - 1/16	49/64	25
C92463	3/4-16	UNF	1 - 1/16	49/64	25
C92464	7/8-9	UNC	1 5/16	7/8	10
C92465	7/8-14	UNF	1 5/16	7/8	10
C92466	1-8	UNC	1 1/2	1 1/64	10
C92467	1-14	UNF	1 1/2	1 1/64	10

Karalloy

Karalloy Plus Thick Hex Nuts



- Made in USA
- 20% thicker for better load distribution
- 180,000 PSI proof load
- Zinc and clear plating with wax
- Karalloy Plus nuts are to be used with Bowmalloy cap screws

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
KP81440	1/4-20	KP81450	1/4-28	100
KP81441	5/16-18	KP81451	5/16-24	100
KP81442	3/8-16	KP81452	3/8-24	100
KP81443	7/16-14	KP81453	7/16-20	50
KP81444	1/2-13	KP81454	1/2-20	50
KP81445	9/16-12		9/16-18	50
KP81446	5/8-11	KP81456	5/8-18	25
KP81447	3/4-10	KP81457	3/4-16	25
KP81448	7/8-9		7/8-14	25
KP81449	1-8		1-14	10

Bowmalloy

Barnes Logo Flat Washers

Bowmalloy Through-Hardened Flat Washers with Barnes logo Narrow (SAE) - Zinc Clear Plating



- Made in USA
- Rc 38-42 hardness
- Use with Bowmalloy, Bowma-Torq, Kartite, and Grade 5 Hex Head Cap Screws
- Marked with the Barnes Group logo and size for identification and traceability
- Unichrome plating
- Meets ANSI/ASME B18.22.1 specifications

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
KP80412	1/4	9/32	5/8	.067 - .080	100
KP80413	5/16	11/32	7/16	.079 - .093	100
KP80414	3/8	3/8	3/4	.079 - .093	100
KP80415	7/16	25/32	59/64	.090 - .106	50
KP80416	1/2	29/32	1 1/16	.122 - .146	50
KP80417	9/16	1 1/32	1 3/16	.122 - .146	50
KP80418	5/8	1 1/16	1 5/16	.136 - .160	50
KP80419	3/4	1 5/16	1 15/32	.136 - .160	50
KP80420	7/8	1 5/16	1 3/4	.136 - .160	25
KP80421	1	1 1/16	2	.136 - .160	25
KP80422	1 1/8	1 1/4	2 1/4	.136 - .160	25
KP80423	1 1/4	1 3/8	2 1/4	.168 - .192	25
C712055	1 1/2	1 5/8	3	.168 - .192	25

Bowmalloy Through-Hardened Flat Washers with Barnes logo Wide (USS) - Zinc Clear Plating



- Made in USA
- Rc 38-42 hardness
- Use with Bowmalloy, Bowma-Torq, Kartite, and Grade 5 Hex Head Cap Screws
- Marked with the Barnes Group logo and size for identification and traceability
- Unichrome plating
- Meets ANSI/ASME B18.22.1 specifications

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
KP80400	1/4	5/16	3/4	.067 - .080	100
KP80400-2	1/4	5/16	3/4	.067 - .080	250
KP80401	5/16	3/8	7/8	.083 - .104	100
KP80401-2	5/16	3/8	7/8	.083 - .104	250
KP80402	3/8	7/16	1	.083 - .104	100
KP80402-2	3/8	7/16	1	.083 - .104	250
KP80403	7/16	1/2	1 1/4	.090 - .106	50
KP80403-2	7/16	1/2	1 1/4	.090 - .106	250
KP80404	1/2	9/16	1 3/8	.122 - .146	50
KP80404-2	1/2	9/16	1 3/8	.122 - .146	250
KP80405	9/16	5/8	1 1/2	.122 - .146	50
KP80406	5/8	11/16	1 3/4	.136 - .160	50
KP80406-2	5/8	11/16	1 3/4	.136 - .160	250
KP80407	3/4	13/16	2	.148 - .177	50
KP80407-2	3/4	13/16	2	.148 - .177	100
KP80408	7/8	15/16	2 1/4	.168 - .192	25
KP80409	1	1 1/16	2 1/2	.168 - .192	25
KP80410	1 1/8	1 1/4	2 3/4	.168 - .192	25
KP80411	1 1/4	1 3/8	3	.168 - .192	25
C712054	1 1/2	1 5/8	3 1/2	.168 - .213	25

Bowmalloy® Through-Hardened Flat Washers – Zinc Yellow

Narrow (SAE)





- Made in USA
- Meets ANSI/ASME B18.22.1 1965 (R1981) specifications
- Carbon steel

Mini Pack Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
36781	1/4	9/32	5/8	.067 – .080	100
36782	5/16	11/32	11/16	.067 – .080	100
36783	3/8	13/32	13/16	.067 – .080	100
36784	7/16	15/32	59/64	.067 – .080	50
36785	1/2	17/32	1 1/16	.108 – .121	50
36786	9/16	19/32	1 5/32	.108 – .121	25

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Mini Pack Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
36727	5/16	21/32	1 5/16	.108 – .121	25
36728	3/8	13/16	1 15/32	.136 – .160	25
"	7/16	15/16	1 3/4	.136 – .160	–
"	1/2	1 1/16	2	.136 – .160	–
"	1 3/16	1 1/4	2 1/4	.136 – .160	–
"	1 1/4	1 3/16	2 1/2	.168 – .192	–
"	1 1/2	1 5/16	3	.168 – .192	–

Standard Pack Part No.	Unit	Bulk Pack Part No.	Unit	Bolt Size (In.)
39701	200	36711	1000	1/4
39702	200	36712	1000	5/16
39703	200	36713	500	3/8
39704	100	36714	500	7/16
39705	100	36715	200	1/2
39706	50	36716	200	9/16
39707	50	36717	150	5/8
39708	50	36718	125	3/4
39709	20	36719	80	7/8
39710	20	36720	60	1
39711	20	36721	50	1 1/8
39712	20	36722	35	1 1/4
"	–	36723	25	1 1/2

Standard Pack Part No.	Unit	Bulk Pack Part No.	Unit	Bolt Size (In.)
39750	200	36765	750	1/4
39751	200	36766	500	5/16
39752	200	36767	300	3/8
39753	100	36768	250	7/16
39754	100	36769	125	1/2
39755	50	36770	100	9/16
39756	50	36771	75	5/8
39757	50	"	–	3/4
39758	20	36773	35	7/8
39759	20	36774	30	1
39760	20	"	–	1 1/8
39761	20	"	–	1 1/4
"	–	36777	15	1 1/4

Bowmalloy® Through-Hardened Flat Washers – Zinc Yellow

Wide (USS)





- Made in USA
- Meets ANSI/ASME B18.22.1 1965 (R1981) specifications
- Carbon steel

Mini Pack Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
36750	1/4	5/16	7/8	.067 - .080	150
36751	5/16	3/8	1	.083 - .104	100
36752	3/8	7/16	1	.083 - .104	75
36753	7/16	1/2	1 1/4	.083 - .104	50
36754	1/2	9/16	1 3/8	.112 - .132	25
36755	9/16	5/8	1 15/32	.112 - .132	25
36756	5/8	11/16	1 3/4	.136 - .160	15
36757	3/4	13/16	2	.148 - .177	10
"	7/8	15/16	2 1/4	.168 - .213	–
"	1	1 1/16	2 1/2	.168 - .213	–
"	1 1/8	1 1/4	2 3/4	.168 - .213	–
"	1 1/4	1 3/8	3	.168 - .213	–
"	1 1/2	1 5/8	3 1/2	.168 - .213	–

Bowmalloy® Heavy-Duty Flat Washers

Narrow (SAE)



- Made in USA
- Meets ANSI/ASME B18.22.1 Narrow dimensional specifications with extra thickness
- Carbon steel
- Through-hardened
- For rugged industrial or off-road applications
- Mechanical zinc plating with gold dichromate coating

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness Min.-Max. (In.)	Unit
36701-HD	1/4	9/32	5/8	.080 - .100	125
MP36701-HD	1/4	9/32	5/8	.080 - .100	50
36702-HD	5/16	11/32	11/16	.080 - .100	100
MP36702-HD	5/16	11/32	11/16	.080 - .100	50
36703-HD	3/8	13/32	13/16	.100 - .140	75
MP36703-HD	3/8	13/32	13/16	.100 - .140	50
36704-HD	7/16	15/32	59/64	.100 - .140	60
MP36704-HD	7/16	15/32	59/64	.100 - .140	25
36705-HD	1/2	17/32	1 1/16	.188 - .219	25
36706-HD	9/16	19/32	1 3/16	.188 - .219	25
36707-HD	5/8	21/32	1 5/16	.219 - .250	15
36708-HD	3/4	25/32	1 5/32	.241 - .257	15

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness Min.-Max. (In.)	Unit
36711-HD	1/4	9/32	5/8	.080 - .100	500
36712-HD	5/16	11/32	11/16	.080 - .100	500
36713-HD	3/8	13/32	15/16	.100 - .140	300
36714-HD	7/16	15/32	59/64	.100 - .140	300
36715-HD	1/2	17/32	1 1/16	.188 - .219	150
36716-HD	9/16	19/32	1 3/16	.188 - .219	125
36717-HD	5/8	21/32	1 5/16	.219 - .250	75
36718-HD	3/4	25/32	1 15/32	.241 - .257	75
36719-HD	7/8	29/32	1 3/4	.241 - .257	15
36720-HD	1	1 1/32	2	.241 - .257	15
36721-HD	1 1/8	1 1/4	2 1/4	.250 - .313	10
36722-HD	1 1/4	1 3/8	2 1/2	.250 - .313	10
36724-HD	1 1/2	1 5/8	3	.250 - .313	10

Bowmalloy® Lock Washers



- Made in USA
- Meets ANSI/ASME B18.21.1 specifications
- High alloy carbon steel
- Through-hardened
- Mechanical zinc plated with yellow dichromate finish
- Non-linking type

Part No.	Unit	Part No.	Unit	Bolt Size (In.)
MP46155	250	"	"	No. 6
MP46156	250	"	"	No. 8
MP46157	250	"	"	No. 10
MP46158	250	"	"	No. 12
39725	100	36725	200	1/4
39726	100	36726	200	5/16
39727	100	36727	200	3/8
39728	50	36728	200	7/16
39729	50	36729	200	1/2
39730	25	36730	100	9/16
39731	25	36731	100	5/8
39732	25	36732	50	3/4
39733	10	36733	50	7/8
39734	10	36734	50	1
39735	10	36735	25	1 1/8
39736	10	36736	25	1 1/4
"	"	36737	10	1 1/2

Bowma-Torq / Grade 8

Bowma-Torq®/Grade 8 Hex Head Cap Screws





- Made in USA
- UNC (USS) or UNF (SAE)
- Meets SAE J429 Grade 8 specifications
- Medium carbon alloy steel
- Through-hardened
- 150,000 psi minimum tensile strength
- "C" prefix item numbers have industry standard Grade 8 head mark

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (In.)	Length (In.)	Unit
39000	39300	1/4	1/2	100
MP39002	MP39302	1/4	1/2	50
39001	C39487**	1/4	5/8	100
39002	39502	1/4	3/4	100
MP39002	MP39302	1/4	3/4	50
39003	C39487**	1/4	7/8	100
39004	39304	1/4	1	100
MP39004	MP39304	1/4	1	50
39005	39305	1/4	1 1/8	100
MP39005	MP39305	1/4	1 1/4	50

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
39005	39305	¼	1½	100
MP39005	MP39305	¼	1½	50
39007	39307	¼	1¾	100
MP39007	MP39307	¼	1¾	50
39008	39308	¼	2	100
MP39008	MP39308	¼	2	50
39009	"	¼	2¼	100
MP39009	"	¼	2¼	50
"	C89462**	¼	2¼	50
39010	39310	¼	2½	100
MP39010	MP39310	¼	2½	25
39011	"	¼	2¾	100
MP39011	"	¼	2¾	25
"	C89466**	¼	2¾	50
39012	39312	¼	3	50
MP39012	MP39312	¼	3	25
C704028**	"	¼	3¼	50
39013	C89470**	⅜	3½	50
MP39013	"	⅜	3½	25
C704030**	"	⅜	3¾	50
39014	C89472**	⅜	4	50
MP39014	"	⅜	4	25
39015	"	⅜	4½	50
MP39015	"	⅜	4½	25
"	C89474**	⅜	4½	25
C89475**	C89476**	⅜	5	25
C89477**	C89478**	⅜	5½	25
C89479**	C89480**	⅜	6	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
39025	39325	5/16	½	100
MP39025	MP39325	5/16	½	50
39026	C704058**	5/16	5/8	100
39027	39327	5/16	¾	100
MP39027	MP39327	5/16	¾	50
39028	C89589**	5/16	⅞	100
39029	39329	5/16	1	100
MP39029	MP39329	5/16	1	50
39330	39330	5/16	1¼	100
MP39030	MP39330	5/16	1¼	50
39031	39331	5/16	1½	100
MP39031	MP39331	5/16	1½	50
39032	39332	5/16	1¾	100
MP39032	"	5/16	1¾	25
39033	39333	5/16	2	100
MP39033	MP39333	5/16	2	25
39034	39334	5/16	2¼	100
MP39034	"	5/16	2¼	25
39035	39335	5/16	2½	100
MP39035	MP39335	5/16	2½	25
39036	39336	5/16	2¾	100
MP39036	"	5/16	2¾	25
39037	39337	5/16	3	50
MP39037	MP39337	5/16	3	25
39038	"	5/16	3¼	50
39039	39339	5/16	3½	50
MP39039	"	5/16	3½	25
C704080**	"	5/16	3¾	50
39040	C89506**	5/16	4	50
MP39040	"	5/16	4	25
39040-1	"	5/16	4½	50
MP39040-1	"	5/16	4½	25
"	C89508**	5/16	4½	25
39042	"	5/16	5	50
MP39042	"	5/16	5	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
"	C89510**	5/16	5	25
C89511**	C89512**	5/16	5½	25
C89513**	C89514**	5/16	6	25

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
39050	39350	⅜	½	100
C704102**	"	⅜	⅝	100
39052	39352	⅜	¾	100
MP39052	MP39352	⅜	¾	25
39053	C89491**	⅜	⅞	100
39054	39354	⅜	1	100
MP39054	MP39354	⅜	1	25
39055	39355	⅜	1¼	100
MP39055	MP39355	⅜	1¼	25
39056	39356	⅜	1½	100
MP39056	MP39356	⅜	1½	25
39057	39357	⅜	1¾	100
MP39057	MP39357	⅜	1¾	25
39058	39358	⅜	2	50
MP39058	MP39358	⅜	2	25
39059	39359	⅜	2¼	50
MP39059	"	⅜	2¼	25
39060	39360	⅜	2½	50
MP39060	MP39360	⅜	2½	25
39061	39361	⅜	2¾	50
MP39061	"	⅜	2¾	10
39062	39362	⅜	3	50
MP39062	MP39362	⅜	3	10
39063	"	⅜	3¼	50
39064	39364	⅜	3½	50
MP39064	MP39364	⅜	3½	10
C704120**	"	⅜	3¾	50
39066	39366	⅜	4	25
MP39066	MP39366	⅜	4	10
39067	39367	⅜	4½	25
MP39067	"	⅜	4½	10
39068	39368	⅜	5	25
MP39068	MP39368	⅜	5	10
39069	C89544**	⅜	5½	25
MP39069	"	⅜	5½	10
39070	C89546**	⅜	6	25
MP39070	"	⅜	6	10
39071	"	⅜	6½	10
39072	"	⅜	7	10
C704146**	"	⅜	7½	25
39074	"	⅜	8	10

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
39077	39377	7/16	¾	50
39079	39379	7/16	1	50
MP39079	MP39379	7/16	1	25
39080	39380	7/16	1¼	50
MP39080	MP39380	7/16	1¼	25
39081	39381	7/16	1½	50
MP39081	MP39381	7/16	1½	25
39082	39382	7/16	1¾	50
MP39082	"	7/16	1¾	25
39083	39383	7/16	2	50
MP39083	MP39383	7/16	2	25
39084	39384	7/16	2¼	50
39085	39385	7/16	2½	50
MP39085	MP39385	7/16	2½	10
39086	39386	7/16	2¾	25
39087	39387	7/16	3	25
MP39087	MP39387	7/16	3	10
C704172**	"	7/16	3¼	25

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
39089	39389	7/16	3½	25
MP39089	MP39389	7/16	3½	10
C704176**	"	7/16	3¾	25
39091	39391	7/16	4	25
MP39091	MP39391	7/16	4	10
39092	C89570**	7/16	4½	25
MP39092	"	7/16	4½	10
39093	"	7/16	5	25
MP39093	C89572**	7/16	5	10
C89573**	C89574**	7/16	5½	10
39095	"	7/16	6	25
MP39095	C89576**	7/16	6	10
C704188**	"	7/16	6½	10
C704190**	"	7/16	7	10
C704192**	"	7/16	7½	10
C704194**	"	7/16	8	10

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
39102	C704201**	½	¾	50
39104	39404	½	1	50
MP39104	MP39404	½	1	25
39105	39405	½	1¼	50
MP39105	MP39405	½	1¼	25
39106	39406	½	1½	50
MP39106	MP39406	½	1½	25
39107	39407	½	1¾	50
MP39107	MP39407	½	1¾	25
39108	39408	½	2	50
MP39108	MP39408	½	2	25
39109	39409	½	2¼	25
39110	39410	½	2½	25
MP39110	MP39410	½	2½	10
39111	39411	½	2¾	25
39112	39412	½	3	25
MP39112	MP39412	½	3	10
39113	"	½	3¼	25
39114	39414	½	3½	25
MP39114	MP39414	½	3½	10
C704226**	"	½	3¾	25
39116	39416	½	4	25
MP39116	MP39416	½	4	10
39117	39417	½	4½	25
MP39117	"	½	4½	10
39118	39418	½	5	25
MP39118	MP39418	½	5	10
39119	"	½	5½	25
MP39119	"	½	5½	10
"	C89583**	½	5½	10
39120	39420	½	6	25
MP39120	"	½	6	10
39121	C704237**	½	6½	10
39122	C704241**	½	7	10
39123	"	½	7½	10
39124	"	½	8	10
C704248**	"	½	9	10
C704252**	"	½	10	10

UNC Part No. TPI-12	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
39129	39429	9/16	1	25
MP39129	MP39429	9/16	1	5
39130	C89610**	9/16	1¼	25
39131	39431	9/16	1½	25
MP39131	MP39431	9/16	1½	5
39132	C89614**	9/16	1¾	25
39133	39433	9/16	2	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

UNC Part No. TPI-12	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
MP39133	MP39438	5/16	2	5
C09617**	C09618**	5/16	2¼	25
39135	39435	5/16	2½	10
MP39135	MP39435	5/16	2½	5
C09621**	C09622**	5/16	2¾	10
39137	39437	5/16	3	10
MP39137	MP39437	5/16	3	5
39139	39439	5/16	3½	10
39141	39441	5/16	4	10
C09629**	C09630**	5/16	4½	10
39143	C09582**	5/16	5	10
C09633**	C09634**	5/16	5½	10
C09637**	C09638**	5/16	6	10

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
39145	39445	3/8	1	25
39146	39446	3/8	1¼	25
39147	39447	3/8	1½	25
MP39147	MP39447	3/8	1½	10
39148	39448	3/8	1¾	25
39149	39449	3/8	2	25
MP39149	MP39449	3/8	2	10
39150	39450	3/8	2¼	25
39151	39451	3/8	2½	25
MP39151	MP39451	3/8	2½	10
39152	39452	3/8	2¾	25
MP39152	-	3/8	2¾	10
39153	39453	3/8	3	25
MP39153	MP39453	3/8	3	10
39154	*	3/8	3¼	25
39155	39455	3/8	3½	25
MP39155	MP39455	3/8	3½	10
C704432**	*	3/8	3¾	10
39157	39457	3/8	4	25
MP39157	MP39457	3/8	4	10
39158	39458	3/8	4½	25
MP39158	MP39458	3/8	4½	10
39159	39459	3/8	5	25
MP39159	MP39459	3/8	5	10
39160	39460	3/8	5½	25
MP39160	-	3/8	5½	10
39161	39461	3/8	6	25
MP39161	MP39461	3/8	6	10
C704434**	C704435**	3/8	6½	10
39163	*	3/8	7	10
*	C09644**	3/8	7	5
C703428**	*	3/8	7½	5
39165	C09646**	3/8	8	5
39167	C30409**	3/8	9	5
39168	*	3/8	10	5

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (in.)	Length (in.)	Unit
*	C09678**	7/16	2¾	10
39176	39476	7/16	3	25
MP39176	MP39476	7/16	3	10
39177	*	7/16	3¼	25
39178	39478	7/16	3½	25
MP39178	MP39478	7/16	3½	10
C703522**	*	7/16	3¾	10
39180	39480	7/16	4	10
39181	39481	7/16	4½	10
39182	39482	7/16	5	10
39183	C09690**	7/16	5½	10
39184	39484	7/16	6	10
39185	*	7/16	6½	10
*	C703535**	7/16	6½	5
39186	39486	7/16	7	5
C704538**	*	7/16	7½	5
39188	C09696**	7/16	8	5
39190	*	7/16	9	2
*	C30410**	7/16	9	5
39191	*	7/16	10	2
*	C704549**	7/16	10	5

UNC Part No. TPI-9	UNF Part No. TPI-14	Dia. (in.)	Length (in.)	Unit
39193	*	1/2	1½	10
39194	39494	1/2	2	10
C09694**	C09720**	1/2	2¼	10
39196	39496	1/2	2½	10
C09703**	C09704**	1/2	2¾	5
39198	39498	1/2	3	10
39200	39500	1/2	3½	10
39201	39501	1/2	4	10
39202	39502	1/2	4½	10
39203	39503	1/2	5	10
39204	*	1/2	5½	10
*	C09716**	1/2	5½	5
39205	39505	1/2	6	10
C704550**	*	1/2	6½	5
39207	*	1/2	7	2
39209	*	1/2	8	2
39211	*	1/2	9	2

UNC Part No. TPI-8	UNF Part No. TPI-14	Dia. (in.)	Length (in.)	Unit
C704560**	*	1	1½	10
39214	39514	1	2	10
C09727**	*	1	2¼	5
39216	*	1	2½	10
*	C09730**	1	2½	5
C09731**	C09732**	1	2¾	5
39217	39517	1	3	10
C704714**	*	1	3¼	5
39219	39519	1	3½	10
39221	39521	1	4	10
39222	*	1	4½	10
*	C09740**	1	4½	5
39223	39523	1	5	10
39224	*	1	5½	10
*	C09744**	1	5½	5
39225	39525	1	6	10
39227	*	1	7	2
*	C704733**	1	7	5
*	C704745**	1	10	5
39229	*	1	8	2

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
C704750**	*	1¼	2½	5
39230**	*	1¼	3	5
39231**	*	1¼	3½	5
39232**	*	1¼	4	5
39233**	*	1¼	4½	5
39234**	*	1¼	5	5
39235**	*	1¼	5½	5
39236**	*	1¼	6	5
39237**	*	1¼	6½	5
39238**	*	1¼	7	5

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
39240**	*	1¼	3	5
39241**	*	1¼	3½	5
39242**	*	1¼	4	5
39243**	*	1¼	4½	5
39244**	*	1¼	5	2
39245**	*	1¼	5½	2
39246**	*	1¼	6	2
39247**	*	1¼	6½	2
39248**	*	1¼	7	2
39249**	*	1¼	7½	2
39250**	*	1¼	8	2
39251**	*	1¼	8½	2
39252**	*	1¼	9	2
39254**	*	1¼	10	2

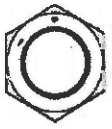
*Item not available

** Marked with manufacturer's logo (not Barnes Group logo)

† 1"-14 is UNS Thread Series. A 1"-14 tapped hole is required for this size cap screw, or use a Bowma-Torq® /Grade 8 Hex Nut or Bowma-Grip® Hex Lock Nut.

Grade 8 Finished Hex Nuts

Made in U.S.A.





- UNC (USS) or UNF (SAE)
- Meets SAE J995 Grade 8 specifications
- Medium carbon steel
- Through-hardened
- 150,000 psi proof load
- Designed for use with Grade 8 cap screws

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
39560	1/4-20	39571	1/4-28	100
39562	5/16-18	39572	5/16-24	100
39563	3/8-16	39573	3/8-24	100
39564	7/16-14	39574	7/16-20	50
39565	1/2-13	39575	1/2-20	50
39566	9/16-12	39576	9/16-18	50
39567	5/8-11	39577	5/8-18	50
39568	3/4-10	39578	3/4-16	25
39569	7/8-9	39579	7/8-14	25
39570	1-8	39580	1-14	25
C714020	1 1/8-7	C714025	1 1/8-12	10
C714023	1 1/4-7	C714027	1 1/4-12	10

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Grade 8 Finished Hex Nuts



- High strength, medium carbon, quenched & tempered steel gives superior assembly performance with Bowma-Torq®/Grade 8 cap screws. Eliminates "stripping out" caused by inferior grade nuts.
- Gold unichrome™ plating provides corrosion resistance that is superior to standard industrial platings.
- ANSI class 2B thread fit assures fully formed, precision fitting threads that provide complete and continuous clamping force.
- Meets association specifications
- ANSI 18.2.2
- SAE J995 Grade 8
- Chamfered first thread for proper seating and easy thread engagement.
- Precision double chamfered hex prevents interference of parent material or washer with bearing surface without limiting wrenching area.
- Smooth bearing surface distributes load evenly for constant, consistent clamping.
- Concentric circle grain design gives added strength to prevent cracking and splitting for safe, long service life.
- Recommended for multi-purpose use with Bowma-Torq®/Grade 8 cap screws and other fasteners rated SAE Grade 8.

- UNC (USS) or UNF (SAE)
- Exceeds SAE J995 Grade 8 specifications
- Medium carbon steel
- Through-hardened
- 150,000 psi proof load

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
39601	¼-20	39611	¼-28	100
MP39601	¼-20	MP39611	¼-28	50
39602	5/16-18	39612	5/16-24	100
MP39602	5/16-18	MP39612	5/16-24	50
39603	⅜-16	39613	⅜-24	100
MP39603	⅜-16	MP39613	⅜-24	50
39604	7/16-14	39614	7/16-20	50
MP39604	7/16-14	MP39614	7/16-20	25
39605	½-13	39615	½-20	50
MP39605	½-13	MP39615	½-20	25
39606	9/16-12	39616	9/16-18	50
MP39606	9/16-12	MP39616	9/16-18	25
39607	⅝-11	39617	⅝-18	50
MP39607	⅝-11	MP39617	⅝-18	25
39608	¾-10	39618	¾-16	25
39609	⅞-9	39619	⅞-14	25
39610	1-8	39620	1-14	25
39610-11/8	1⅛-7	39620-11/8	1⅛-12	10
39610-11/4	1¼-7	39620-11/4	1¼-12	10

Bowmalloy® Through-Hardened Flat Washers – Zinc Yellow

Narrow (SAE)



- Made in USA
- Meets ANSI/ASME B18.22.1 1965 (R1981) specifications
- Carbon steel

Mini Pack Part No.	Bolt Size (in.)	I.D. (in.)	O.D. (in.)	Thickness (in.)	Unit
36701	¼	9/32	⅝	.067 – .080	100
36702	5/16	11/32	11/16	.067 – .080	100
36703	⅜	13/32	13/16	.067 – .080	100
36704	7/16	15/32	15/16	.067 – .080	50
36705	½	17/32	1⅛	.108 – .121	50
36706	9/16	19/32	1⅜	.108 – .121	25
36707	⅝	21/32	1⅝	.108 – .121	25
36708	¾	25/32	1 13/32	.136 – .160	25
"	⅞	15/16	1¾	.136 – .160	–
"	1	1 1/16	2	.136 – .160	–
"	1⅛	1¼	2¼	.136 – .160	–
"	1¼	1⅜	2½	.168 – .192	–
"	1½	1⅝	3	.168 – .192	–

Standard Pack Part No.	Unit	Bulk Pack Part No.	Unit	Bolt Size (in.)
39701	200	36711	1000	⅛
39702	200	36712	1000	5/16
39703	200	36713	500	⅜
39704	100	36714	500	7/16
39705	100	36715	200	½
39706	50	36716	200	9/16
39707	50	36717	150	⅝
39708	50	36718	125	¾
39709	20	36719	80	⅞
39710	20	36720	60	1
39711	20	36721	50	1¼
36712	20	36722	35	1¼
"	–	36724	25	1½

Bowmalloy® Through-Hardened Flat Washers – Zinc Yellow

Wide (USS)



- Made in USA
- Meets ANSI/ASME B18.22.1 1965 (R1981) specifications
- Carbon steel

Mini Pack Part No.	Bolt Size (in.)	I.D. (in.)	O.D. (in.)	Thickness (in.)	Unit
36750	¼	5/16	47/64	.067 - .083	150
36751	5/16	⅜	⅞	.083 - .104	100
36752	⅜	7/16	1	.083 - .104	75
36753	7/16	½	1¼	.083 - .104	50
36754	½	9/16	1⅜	.112 - .132	25
36755	9/16	⅝	1 13/32	.112 - .132	25
36756	⅝	11/16	1¾	.136 - .160	15
36757	¾	13/16	2	.148 - .177	10
"	⅞	15/16	2¼	.168 - .213	–
"	1	1 1/16	2½	.168 - .213	–
"	1⅛	1¼	2¾	.168 - .213	–
"	1¼	1⅜	3	.168 - .213	–
"	1½	1⅝	3½	.168 - .213	–

Standard Pack Part No.	Unit	Bulk Pack Part No.	Unit	Bolt Size (in.)
39750	200	36765	750	¼
39751	200	36766	500	5/16
39752	200	36767	200	⅜
39753	100	36768	250	7/16
39754	100	36769	125	½
39755	50	36770	100	9/16
39756	50	36771	75	⅝
39757	50	"	–	¾
39758	20	36773	35	⅞
39759	20	36774	30	1
39760	20	"	–	1⅛
39761	20	"	–	1¼
"	–	36777	15	1½

Bowmalloy® Lock Washers



- Made in USA
- Meets ANSI/ASME B18.21.1 specifications
- High alloy carbon steel
- Through-hardened
- Mechanical zinc plated with yellow dichromate finish
- Non-linking type

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Grade 8 Hex Nuts — Zinc Clear — Import



- Meets SAE J995 proof load specification
- 150,000 PSI proof load
- Zinc clear Unichrome plating

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
KP80529	¼-20	KP80532	¼-28	100
KP80529-2	¼-20			250
KP80531	5/16-18	KP80543	5/16-24	100
KP80531-2	5/16-18			250
KP80532	3/8-16	KP80544	3/8-24	100
KP80532-2	3/8-16			250
KP80539	7/16-14	KP80545	7/16-20	50
KP80539-2	7/16-14			100
KP80534	½-13	KP80546	½-20	50
KP80534-2	½-13			100
KP80535	9/16-12	KP80547	9/16-18	50
KP80536	5/8-11	KP80548	5/8-18	25
KP80536-2	5/8-11			100
KP80537	¾-10	KP80549	¾-16	25
KP80538	⅞-9	KP80550	⅞-14	25
KP80539	1-8	KP80551	1-14	25
KP80540	1 1/8-7	KP80552	1 1/8-12	10
KP80541	1 1/4-7	KP80553	1 1/4-12	10
◆CD557108	1 1/2-6	-	*	10

◆Canada only

Dimensions of Kar-Tite Grade 8 Hex Nuts

Bolt Size	Flats	Height
¼	7/16	7/32
5/16	½	17/64
3/8	9/16	21/64
7/16	11/16	3/8
½	¾	7/16
9/16	⅞	31/64
5/8	15/16	35/64
¾	1 1/8	41/64
⅞	1 5/16	¾
1	1½	55/64
1 1/8	1 11/16	31/32
1 1/4	1⅞	1 1/16
1½	2¼	1 5/16

Barnes Logo Flat Washers

Bowmalloy Through-Hardened Flat Washers with Barnes logo Narrow (SAE) - Zinc Clear Plating



- Made in USA
- Rc 38-42 hardness
- Use with Bowmalloy, Bowma-Torq, Kortite, and Grade 5 Hex Head Cap Screws
- Marked with the Barnes Group logo and size for identification and traceability
- Unichrome plating
- Meets ANSI/ASME B18.22.1 specifications

Part No.	Bolt Size (in.)	I.D. (in.)	O.D. (in.)	Thickness (in.)	Unit
KP80412	¼	9/32	5/8	.067 - .080	100
KP80413	5/16	11/32	11/16	.079 - .093	100
KP80414	3/8	13/32	13/16	.079 - .093	100
KP80415	7/16	15/32	59/64	.090 - .106	50
KP80416	½	17/32	1 1/64	.122 - .146	50
KP80417	9/16	19/32	1 3/16	.122 - .146	50
KP80418	5/8	21/32	1 5/16	.136 - .160	50
KP80419	¾	13/16	1 15/32	.136 - .160	50
KP80420	⅞	15/16	1¾	.136 - .160	25
KP80421	1	1 1/16	2	.136 - .160	25
KP80422	1 1/8	1 1/4	2 1/4	.136 - .160	25
KP80423	1 1/4	1 3/8	2 1/2	.168 - .192	25
C712055	1½	1 5/8	3	.168 - .192	25

Bowmalloy Through-Hardened Flat Washers with Barnes logo Wide (USS) - Zinc Clear Plating



- Made in USA
- Rc 38-42 hardness
- Use with Bowmalloy, Bowma-Torq, Kortite, and Grade 5 Hex Head Cap Screws
- Marked with the Barnes Group logo and size for identification and traceability
- Unichrome plating
- Meets ANSI/ASME B18.22.1 specifications

Part No.	Bolt Size (in.)	I.D. (in.)	O.D. (in.)	Thickness (in.)	Unit
KP80501	¼	5/16	⅝	.067 - .080	100
KP80501-2	¼	5/16	⅝	.067 - .080	250
KP80451	5/16	⅜	⅞	.083 - .104	100
KP80451-2	5/16	⅜	⅞	.083 - .104	250
KP80452	⅜	7/16	1	.083 - .104	100
KP80452-2	⅜	7/16	1	.083 - .104	250
KP80453	7/16	½	1¼	.090 - .106	50
KP80453-2	7/16	½	1¼	.090 - .106	250
KP80454	½	9/16	1⅜	.122 - .146	50
KP80454-2	½	9/16	1⅜	.122 - .146	250
KP80455	9/16	⅝	1½	.122 - .146	50
KP80456	⅝	11/16	1¾	.136 - .160	50
KP80456-2	⅝	11/16	1¾	.136 - .160	250
KP80457	¾	13/16	2	.148 - .177	50
KP80457-2	¾	13/16	2	.148 - .177	100
KP80403	⅞	15/16	2¼	.168 - .192	25
KP80409	1	1 1/16	2½	.168 - .192	25
KP80410	1 1/8	1 1/4	2¾	.168 - .192	25
KP80411	1 1/4	1⅜	3	.168 - .192	25
C712054	1½	1⅝	3½	.168 - .213	25

Grade 8 - Black

Grade 8 Hex Head Cap Screws (Non-Plated)



◆ Indicates manufacturer's identification symbol

- UNC (USS) or UNF (SAE)
- Meets SAE J429 Grade 8 specifications
- Medium carbon alloy steel
- Through-hardened
- 150,000 psi minimum tensile strength

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
99000	C703001	¼	½	100
MP99000	MPC703001	¼	½	50
C703002	"	¼	9/16	100
99002	C703005	¼	¾	100
MP99002	MPC703005	¼	¾	50
C703006	"	¼	⅞	100
99004	C703009	¼	1	100
MP99004	MPC703009	¼	1	50
99005	C703011	¼	1¼	100
99006	C703013	¼	1½	100
MP99006	MPC703013	¼	1½	50
99007	C703015	¼	1¾	100
99008	C703017	¼	2	100
MP99008	MPC703017	¼	2	50
C703018	C703019	¼	2¼	50
99010	"	¼	2½	100
"	C703021	¼	2½	50
99011	"	¼	2¾	100
"	C703023	¼	2¾	50
99012	"	¼	3	100
"	C703025	¼	3	50
C703026	C703027	¼	3¼	50
99014	"	¼	3½	100
"	C703029	¼	3½	50
C703030	C703031	¼	3¾	50
99016	C703033	¼	4	50
99017	C703035	¼	4½	50
99018	C703037	¼	5	50

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
C703038	C703039	¼	5½	50
99039	"	¼	6	50
"	C703041	¼	6	25

UNC (USS) Part No. TPI-18	UNF (SAE) Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
C703050	C703051	5/16	½	100
C703052	"	5/16	5/8	100
99027	C703055	5/16	¾	100
MP99027	MPC703055	5/16	¾	50
C703056	"	5/16	⅛	100
99029	C703059	5/16	1	100
MP99029	MPC703059	5/16	1	50
99030	C703061	5/16	1¼	100
99031	C703063	5/16	1½	100
MP99031	MPC703063	5/16	1½	50
C703064	C703065	5/16	1¾	100
99033	C703067	5/16	2	100
MP99033	MPC703067	5/16	2	25
C703068	C703069	5/16	2¼	50
99035	"	5/16	2½	100
MP99035	MPC703071	5/16	2½	25
"	C703073	5/16	2½	50
C703072	C703073	5/16	2¾	50
99037	"	5/16	3	100
MP99037	MPC703075	5/16	3	25
"	C703075	5/16	3	50
C703076	C703077	5/16	3¼	50
99039	"	5/16	3½	100
"	C703079	5/16	3½	50
99040	C703081	5/16	3¾	50
C703082	C703083	5/16	4	50
C703084	C703085	5/16	4½	25
C703086	C703087	5/16	5	25
99044	"	5/16	5½	50
"	C703089	5/16	5½	25
99045	"	5/16	6	50
"	C703091	5/16	6	25

UNC (USS) Part No. TPI-16	UNF (SAE) Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
C703093	"	3/8	½	100
99051-1	"	3/8	5/8	100
99051-1B	"	3/8	5/8	1900
99052	C703105	3/8	¾	100
MP99052	MPC703105	3/8	¾	25
MP99052	"	3/8	¾	25
99053	"	3/8	⅞	100
99054	99485	3/8	1	100
MP99054	MPC703109	3/8	1	25
99054-B	"	3/8	1	1500
99055	99486	3/8	1¼	100
MP99055	MPC703113	3/8	1¼	25
99056	99487	3/8	1⅛	100
MP99056	MPC703118	3/8	1½	25
99057	C703115	3/8	1¾	100
99058	99488	3/8	2	50
MP99058	MPC703117	3/8	2	25
"	99488-B	3/8	2	800
C703118	C703119	3/8	2¼	50
99060	C703121	3/8	2¼	50
MP99060	MPC703121	3/8	2½	25
C703122	C703123	3/8	2¾	50
99062	C703125	3/8	3	50
MP99062	MPC703125	3/8	3	10
C703126	C703127	3/8	3¼	50

UNC (USS) Part No. TPI-16	UNF (SAE) Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
99064	C703129	3/8	3½	50
"	99489	3/8	3¾	25
C703130	"	3/8	3¾	50
"	99489-B	3/8	3¾	325
99066	"	3/8	4	25
"	C703133	3/8	4	50
99067	C703135	3/8	4½	25
99068	C703137	3/8	5	25
C703138	C703139	3/8	5½	25
C703140	C703141	3/8	6	25
123499	"	3/8	6½	10
C703144	"	3/8	7	25
MPS3954	"	3/8	7½	25
C703148	"	3/8	8	25

UNC (USS) Part No. TPI-14	UNF (SAE) Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
C703150	C703151	7/16	¾	100
C703152	"	7/16	7/8	100
99081-1	C703155	7/16	1	100
MP99081-1	MPC703155	7/16	1	25
99081-2	"	7/16	1¼	100
"	C703157	7/16	1¼	50
99081	"	7/16	1½	100
MPC703158	MPC703159	7/16	1½	25
"	C703159	7/16	1½	50
99081-3	C703161	7/16	1¾	50
99083	C703163	7/16	2	50
MP99083	MPC703163	7/16	2	25
C703164	C703165	7/16	2¼	50
"	MPC703165	7/16	2¼	10
C703165	C703167	7/16	2½	50
MPC703166	"	7/16	2½	10
C703168	C703169	7/16	2¾	50
C703170	C703171	7/16	3	50
MPC703170	MPC703171	7/16	3	10
C703172	C703173	7/16	3¼	25
C703174	C703175	7/16	3½	25
C703176	C703177	7/16	3¾	25
C703178	C703179	7/16	4	25
C703180	C703181	7/16	4½	25
C703182	C703183	7/16	5	25
C703184	C703185	7/16	5½	25
C703186	C703187	7/16	6	25
C703188	"	7/16	7	25
MPS3963	"	7/16	7½	10
C703194	"	7/16	8	25

UNC (USS) Part No. TPI-13	UNF (SAE) Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
99102	"	½	¾	50
C703200	"	½	⅞	50
99104	C703205	½	1	50
MP99104	MPC703205	½	1	25
99105	99495	½	1¼	50
99106	99496	½	1½	50
MP99106	MP99496	½	1½	25
99107	C703211	½	1¾	50
99108	99498	½	2	50
MP99108	MP99498	½	2	25
99109	C703215	½	2¼	50
99110	99499	½	2½	25
MP99110	MP99499	½	2½	10
C703218	C703219	½	2¾	25
99112	99500	½	3	25
MP99112	MP99500	½	3	10
C703220	C703221	½	3¼	25
99114	C703225	½	3½	25

UNC (USS) Part No. TPI-13	UNF (SAE) Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
99115	C703227	½	3¾	25
99116	C703229	½	4	25
99117	C703231	½	4½	25
99118	99501	½	5	25
99119	99502	½	5½	25
99120	C703237	½	6	25
MPS3984	99503	½	6½	10
C703240	99504	½	7	10
MPS3986	"	½	7½	10
C703244	"	½	8	10
C703246	"	½	8½	10
C703248	"	½	9	10

UNC (USS) Part No. TPI-12	UNF (SAE) Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
C703300	C703301	9/16	1	50
C703302	C703303	9/16	1¼	50
C703304	C703305	9/16	1½	50
MPC703304	MPC703305	9/16	1½	5
C703306	C703307	9/16	1¾	50
99133	"	9/16	2	25
"	C703309	9/16	2	50
MP99133	MPC703309	9/16	2	5
C703310	C703311	9/16	2¼	25
C703312	C703313	9/16	2½	25
MPC703312	MPC703313	9/16	2½	5
C703314	C703315	9/16	2¾	25
C703316	C703317	9/16	3	25
MPC703316	MPC703317	9/16	3	5
C703318	C703319	9/16	3¼	25
C703320	C703321	9/16	3½	25
C703322	C703323	9/16	3¾	25
C703324	C703325	9/16	4	25
99138	C703327	9/16	4½	25
C703328	C703329	9/16	5	25
C703330	C703331	9/16	5½	25
C703332	C703333	9/16	6	25

UNC (USS) Part No. TPI-11	UNF (SAE) Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
C703400	C703401	5/8	1	50
C703402	C703403	5/8	1¼	50
99147	"	5/8	1½	25
"	C703405	5/8	1½	50
MP99147	MPC703405	5/8	1½	10
99148	"	5/8	1¾	25
"	C703407	5/8	1¾	50
99149	C703409	5/8	2	25
MP99149	MPC703409	5/8	2	10
99150	C703411	5/8	2¼	25
99151	C703413	5/8	2½	25
MP99151	MPC703413	5/8	2½	10
C703414	C703415	5/8	2¾	25
99153	C703417	5/8	3	25
MP99153	MPC703417	5/8	3	10
C703418	C703419	5/8	3¼	25
99155	C703421	5/8	3½	25
C703422	C703423	5/8	3¾	25
99157	C703425	5/8	4	25
MP99157	MPC703425	5/8	4	10
99158	C703427	5/8	4½	25
99159	C703429	5/8	5	25
99160	C703431	5/8	5½	25
99161	C703433	5/8	6	25
99162	99505	5/8	6½	10
99163	99506	5/8	7	10
99164	"	5/8	7½	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

UNC (USS) Part No. TPI-11	UNF (SAE) Part No. TPI-18	Dia. (In.)	Length (In.)	Unit
*	98161	5/16	7½	1
99165	*	5/16	8	10
*	93162	5/16	8	1
96013	98162-1	5/16	8½	1
C703444	*	5/16	9	10
C703446	*	5/16	9½	10
KP45617	*	5/16	10	10
98000-1	98150-1	5/16	10½	1
98001	98151	5/16	11	1
98001-1	98151-1	5/16	11½	1
98002	98152	5/16	12	1
98002-1	98152-1	5/16	12½	1
98003	98153	5/16	13	1
98003-1	98153-1	5/16	13½	1
98004	*	5/16	14	1
98004-1	98154-1	5/16	14½	1
98005	98155	5/16	15	1
98005-1	98155-1	5/16	15½	1
98006	98156	5/16	16	1
98006-1	98156-1	5/16	16½	1
98007	98157	5/16	17	1
98007-1	98157-1	5/16	17½	1
98008	93158	5/16	18	1
98008-1	93158-1	5/16	18½	1
98009	93159	5/16	19	1
98009-1	98159-1	5/16	19½	1
98010	93160	5/16	20	1

UNC (USS) Part No. TPI-10	UNF (SAE) Part No. TPI-16	Dia. (In.)	Length (In.)	Unit
C703508	*	3/8	1	50
*	KP46619	3/8	1	25
99169	*	3/8	1¼	25
*	C703508	3/8	1¼	50
99170	C703505	3/8	1½	25
C703506	C703507	3/8	1¾	25
99172	C703509	3/8	2	25
MP99172	MPC703509	3/8	2	10
C703510	C703511	3/8	2¼	25
99174	C703513	3/8	2½	25
99175	99510	3/8	2¾	25
99176	C703517	3/8	3	25
MP99176	MPC703517	3/8	3	10
C703518	C703519	3/8	3¼	25
99178	C703521	3/8	3½	25
C703522	C703523	3/8	3¾	25
99180	C703525	3/8	4	25
*	MPC703525	3/8	4	10
99181	C703527	3/8	4½	25
99182	*	3/8	5	25
*	C703529	3/8	5	10
99183	99511	3/8	5½	25
99184	*	3/8	6	25
*	C703533	3/8	6	10
99185	*	3/8	6½	10
99186	*	3/8	7	10
99187	99512	3/8	7½	10
99188	99513	3/8	8	10
99189	*	3/8	8½	5
*	98177	3/8	8½	1
C703544	99514	3/8	9	5
C703546	99515	3/8	9½	5
93027	*	3/8	9½	1
C703547	99516	3/8	10	5
98035	*	3/8	10	1
98035-1	93165-1	3/8	10½	1
98036	93166	3/8	11	1
*	93167-1	3/8	11½	1

UNC (USS) Part No. TPI-10	UNF (SAE) Part No. TPI-16	Dia. (In.)	Length (In.)	Unit
96017	93169	3/8	12	1
98017-1	98169-1	3/8	12½	1
98018	98169	3/8	13	1
98018-1	*	3/8	13½	1
98019	*	3/8	14	1
*	98170-1	3/8	14½	1
98020	98171	3/8	15	1
98020-1	98171-1	3/8	15½	1
98021	98172	3/8	16	1
98021-1	93172-1	3/8	16½	1
98022	*	3/8	17	1
98022-1	98173-1	3/8	17½	1
98023	98174	3/8	18	1
98023-1	98174-1	3/8	18½	1
98024	98175	3/8	19	1
98024-1	98175-1	3/8	19½	1
98025	98176	3/8	20	1

UNC (USS) Part No. TPI-9	UNF (SAE) Part No. TPI-14	Dia. (In.)	Length (In.)	Unit
C703590	C703601	7/16	1½	10
C703592	C703603	7/16	1¾	10
99195	*	7/16	2	25
*	C703605	7/16	2	10
C703606	C703607	7/16	2¼	25
99197	*	7/16	2½	25
*	C703609	7/16	2½	10
C703610	C703611	7/16	2¾	25
99198	*	7/16	3	25
*	C703613	7/16	3	10
121810	*	7/16	3¼	25
*	C703615	7/16	3¼	10
99199	*	7/16	3½	25
*	C703617	7/16	3½	10
C703618	C703619	7/16	3¾	10
99200	*	7/16	4	25
*	C703621	7/16	4	10
99201	99520	7/16	4½	25
99202	*	7/16	5	25
*	C703625	7/16	5	10
99203	99521	7/16	5½	10
99204	*	7/16	6	10
*	C703629*	7/16	6	5
*	99522	7/16	6½	10
98039	*	7/16	6½	1
99206	99523	7/16	7	5
99208	99524	7/16	8	5
*	98191-1	7/16	7½	1
98041	98192-1	7/16	8½	1
C703640	99525	7/16	9	5
C703642	*	7/16	9½	5
99211	*	7/16	10	5
*	98179	7/16	10	1
98028-1	*	7/16	10½	1
98029	98180	7/16	11	1
98030	98181	7/16	12	1
*	98181-1	7/16	12½	1
98031	98182	7/16	13	1
98031-1	98182-1	7/16	13½	1
98032	*	7/16	14	1
*	93183-1	7/16	14½	1
98033	93184	7/16	15	1
98033-1	93184-1	7/16	15½	1
98034	93185	7/16	16	1
98034-1	98185-1	7/16	16½	1
98035	98186	7/16	17	1
98035-1	93186-1	7/16	17½	1
*	93187	7/16	18	1

UNC (USS) Part No. TPI-9	UNF (SAE) Part No. TPI-14	Dia. (In.)	Length (In.)	Unit
98035-1	98187-1	7/16	18½	1
98037	93188	7/16	19	1
98037-1	98163-1	7/16	19½	1
98038	93189	7/16	20	1

UNC (USS) Part No. TPI-8	UNF (SAE) Part No. TPI-14	Dia. (In.)	Length (In.)	Unit
C703700	*	1	1½	10
99216	C703705	1	2	10
*	135870	1	2¼	10
KP45645	*	1	2¼	20
99217	99526	1	2½	10
99218	99527	1	2¾	10
99219	C703713	1	3	10
KP45647	*	1	3¼	10
99220	C703717	1	3½	10
121830	*	1	3¾	10
99221	C703721	1	4	10
99222	*	1	4½	10
*	C703723	1	4½	5
99223	*	1	5	10
*	C703725	1	5	5
99524	99528	1	5½	10
99225	*	1	6	10
*	C703729	1	6	5
99226	*	1	6½	10
*	98205	1	6½	1
99227	99529	1	7	10
99228	*	1	7½	10
98055	98206-1	1	7½	1
99229	*	1	8	10
*	98207	1	8	1
99230	*	1	8½	10
*	98207-1	1	8½	1
99231	99531	1	9	10
98057	98208	1	9	1
99231-1	99531-1	1	9½	10
98057-1	98208-1	1	9½	1
99232	*	1	10	10
*	99532	1	10	5
98043-1	98294-1	1	10½	1
98044	93195	1	11	1
98044-1	*	1	11½	1
98045	98196	1	12	1
98045-1	98196-1	1	12½	1
98046	93197	1	13	1
98046-1	98197-1	1	13½	1
98047	98198	1	14	1
98047-1	98198-1	1	14½	1
98048	*	1	15	1
98048-1	98199-1	1	15½	1
*	98290	1	16	1
98049-1	98290-1	1	16½	1
98050	98291	1	17	1
*	98291-1	1	17½	1
98051	93202	1	18	1
*	93202-1	1	18½	1
98052	98203	1	19	1
98052-1	93202-1	1	19½	1
98053	98294	1	20	1

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

12 Cap Screws & Matching Components

Continued from previous page

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
C703758	"	1⅛	2½	5
C703754	"	1⅛	3	5
C703758	"	1⅛	3½	5
99236	"	1⅛	4	10
"	"	1⅛	4	5
C703764	"	1¼	4½	5
99238	"	1¼	5	5
99239	"	1¼	5½	2
"	"	1¼	5½	5
C703770	"	1¼	6	5
99240	"	1¼	6½	2
99241	"	1¼	7	2
99242	"	1¼	7½	2
99243	"	1¼	8	2
99244	"	1¼	9	2
99244-1	"	1¼	10	2
"	98220	1¼	6½	1
"	98221	1¼	7	1
"	"	1¼	7½	1
"	98222	1¼	8	1
"	98222-1	1¼	8½	1
"	98223	1¼	9	1
98072-1	98223-1	1¼	9½	1
"	98209	1¼	10	1
98058-1	98209-1	1¼	10½	1
98059	98210	1¼	11	1
98059-1	98210-1	1¼	11½	1
98060	98211	1¼	12	1
98060-1	98211-1	1¼	12½	1
"	98212	1¼	13	1
98061-1	98213-2	1¼	13½	1
"	98213	1¼	14	1
98062-1	98213-1	1¼	14½	1
98063-1	98214-1	1¼	15½	1
"	98215	1¼	16	1
98064-1	98215-1	1¼	16½	1
98065	98216	1¼	17	1
98065-1	98216-1	1¼	17½	1

UNC (USS) Part No. TPI-7	UNF (SAE) Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
99244-2	"	1¼	2½	10
C703804	"	1¼	3	5
99245-1	"	1¼	3½	10
99245-2	"	1¼	4	5
99246	"	1¼	4½	5
99247	"	1¼	5	2
99248	"	1¼	5½	2
99249	"	1¼	6	2
99250	"	1¼	6½	2
99251	"	1¼	7	2
98065-1	"	1¼	7½	1
C703826	"	1¼	7½	5
99252	"	1¼	8	2
98066	"	1¼	8½	1
99254	"	1¼	9	2
"	98228	1¼	9	1
99255	"	1¼	9½	2
99256	"	1¼	10	1
"	98224	1¼	10	1
98074	"	1¼	11	1
98075	98225	1¼	12	1
98076	"	1¼	13	1
98077	"	1¼	14	1
98079	"	1¼	16	1

UNC (USS) Part No. TPI-7	UNF (SAE) Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
"	98228-1	1¼	16½	1
98083	"	1¼	18	1
98083-1	"	1¼	19½	1

UNC Part No. TPI-6	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
98103	"	1⅜	7	1
98181	"	1⅜	8	1

UNC Part No. TPI-6	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
99260	"	1½	3	2
99261	"	1½	3½	2
99262	"	1½	4	1
99263	"	1½	4½	1
99264	"	1½	5	1
99265	"	1½	5½	1
99266	"	1½	6	1
99267	"	1½	6½	1
99268	"	1½	7	1
99269	99262	1½	8	1
98137-1	"	1½	8½	1
99270	98263	1½	9	1
98118-1	98263-1	1½	9½	1
99271	98249	1½	10	1
"	98249-1	1½	10½	1
98124	"	1½	11	1
98104-1	"	1½	11½	1
98105	"	1½	12	1

UNC Part No. TPI-5	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
98132	"	1¾	7	1
98133	"	1¾	8	1
98120	"	1¾	10	1
98122	"	1¾	12	1
98122	98265	1¾	12	1

UNC Part No. TPI-4-½	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
98147	"	2	7	1
98149	"	2	9	1
98135	"	2	10	1
98137	"	2	12	1
98156	"	2	13	1

*Item not available

Grade 8 Hex Nuts - Non-Plated

Made in U.S.A.



Grade 8 Hex Nuts are used to be with Grade 8 Hex Head Cap Screws, Grade 8 Plow Bolts and other alloy bolts.

Specifications:

- 150,000 psi proof load
- Black natural finish

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
C767000	¼ - 20	C767001	¼ -28	100
C767002	5/16 - 18	C767003	5/16 - 24	100
C767004	⅜ - 16	C767005	⅜ - 24	100
C767006	7/16 - 14	C767007	7/16 - 20	50
C767008	½ - 13	C767009	½ - 20	50
C767010	9/16 - 12	C767011	9/16 - 18	50
C767012	⅝ - 11	C767013	⅝ - 18	50
C767014	¾ - 10	C767015	¾ - 16	25
C767016	⅞ - 9	C767017	⅞ - 14	25
C767018	1 - 8	C767019	1 - 14	10
C767020	1 - 1⅛ - 7	C767021	1 -1⅛ - 12	10
C767022	1 - ¼ - 7	C767023	1 - ¼ -12	10
C767024	1 - ½ - 6			10

Grade 8 Finished Hex Nuts — Non-Plated



- UNC (USS) or UNF (SAE)
- Meets SAE J995 Grade 8 specifications
- Medium carbon steel
- Through-hardened
- 150,000 psi proof load

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
99782	¼ - 20	C713001	¼ - 28	100
99781	5/16 - 18	C713002	5/16 - 24	100
99782	⅜ - 16	99797	⅜ - 24	100
99783	7/16 - 14	C713001	7/16 - 20	50
99784	½ - 13	99799	½ - 20	50
99785	9/16 - 12	C713018	9/16 - 18	50
99786	⅝ - 11	99801	⅝ - 18	50
99787	¾ - 10	99802	¾ - 16	25
99788	⅞ - 9	99803	⅞ - 14	25
99789	1 - 8	99804	1 - 14	10
99790	1⅛ - 7	C713021	1⅛ - 12	10
99791	1¼ - 7	C713023	1¼ - 12	10
HP26423	1⅜-6	HP26447	1⅜-12	2
99792	1½ - 6	"		10
"		HP26448	1½-12	2
HP26425	1¾-5	HP26449	1¾-12	1
HP26426	2-4½	HP26450	2-12	1

* Item not available

Through-Hardened Flat Washers

Narrow (SAE) — Non-Plated



- Made in USA
- Meets ASTM F436 specifications
- Carbon steel
- Non-plated

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness Min.-Max. (In.)	Unit
99740	¼	9/32	5/8	.051 - .080	200
99741	5/16	11/32	11/4	.051 - .080	200
99742	3/8	13/32	13/16	.051 - .080	200
99743	7/16	15/32	59/64	.051 - .080	100
99744	½	17/32	1 5/16	.097 - .177	100
99745	9/16	19/32	1 3/16	.097 - .177	50
99746	5/8	21/32	1 5/16	.122 - .177	50
99747	¾	13/16	1 15/32	.122 - .177	50
99748	7/8	15/16	1¾	.136 - .177	20
99749	1	1 1/8	2	.136 - .177	20
99750	1 1/8	1¼	2¼	.136 - .177	10
99751	1¼	1 3/8	2½	.136 - .177	10
[illegible]	1 3/8	1½	2¾	.136 - .177	20
99752	1½	1 5/8	3	.136 - .177	10
[illegible]	1½	1¾	3	.136 - .177	100
[illegible]	1¾	1 7/8	3¾	.178 - .280	10
[illegible]	2	2 1/8	3¾	.178 - .280	5
[illegible]	2¼	2 3/8	4	.240 - .340	5
[illegible]	2½	2 5/8	4½	.240 - .340	5

Through-Hardened Flat Washers

Wide (USS) — Non-Plated



- Made in USA
- Meets ANSI B18.22.1 specifications
- Carbon steel
- Non-plated

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness Min.-Max. (In.)	Unit
99760	¼	5/16	¾	.051 - .080	200
99761	5/16	3/8	7/8	.064 - .104	200
99762	3/8	7/16	1	.064 - .104	200
99763	7/16	½	1¼	.064 - .104	100
99764	½	9/16	1⅜	.086 - .132	100
99765	9/16	5/8	1½	.086 - .132	50
99766	5/8	11/16	1¾	.105 - .160	50
99767	¾	13/16	2	.122 - .177	50
99768	7/8	15/16	2¼	.136 - .192	20
99769	1	1 1/16	2½	.136 - .192	20
99770	1 1/8	1¼	2¾	.136 - .192	10
99771	1¼	1⅜	3	.136 - .192	10
99772	1½	1⅝	3½	.136 - .192	10

Grade 8 Lock Washers — Non-Plated



- Made in USA
- Meets ANSI/ASME B18.21.1 specifications
- High carbon alloy steel
- Through-hardened
- Non-plated
- Non-linking type

Part No.	Bolt Size (In.)	Unit
99720	¼	100
99721	5/16	100
99722	3/8	100
99723	7/16	50
99724	½	50
99725	9/16	25
99726	5/8	25
99727	¾	25
99728	7/8	10
99729	1	10
99730	1 1/8	10
99731	1¼	10
C713072	1½	10

Grade 8 Flange Cap Screws

Grade 8 Hex Flange Head Cap Screws





- UNC (USS) or UNF (SAE)
- Meets SAE J429 Grade 8 specifications
- Medium carbon alloy steel
- Through-hardened
- 150,000 psi minimum tensile strength
- Recessed fillet radius
- Used for truck frame applications

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
47054	*	⅜	1	100
47055	*	⅜	1¼	100
47056	*	⅜	1½	100

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (In.)	Length (In.)	Unit
47104	*	½	1	50
47105	*	½	1¼	50
47106	47116	½	1½	50
47107	47117	½	1¾	50
47108	47118	½	2	50
47110	*	½	2½	25
47112	*	½	3	25
47113	*	½	3½	25

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (In.)	Length (In.)	Unit
47147	*	⅝	1½	25
47148	*	⅝	1¾	25
47149	47159	⅝	2	25
47150	47160	⅝	2¼	25

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (In.)	Length (In.)	Unit
47151	47161	⅝	2½	25
*	47162	⅝	2¾	25
47153	*	⅝	3	25

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (In.)	Length (In.)	Unit
47171	*	¾	2	10
47172	*	¾	2¼	10
47173	*	¾	2½	10
47174	*	¾	3	10
47175	*	¾	3½	10
47176	*	¾	4	10

* Item not available

Bowma-Grip® Hex Flange Lock Nuts

All-Metal Prevailing-Torque Type



- UNC (USS) or UNF (SAE)
- Meets IFI 100/107 Grade G (Grade 8) mechanical specifications
- Medium carbon steel
- Through-hardened
- 150,000 psi proof load
- Cadmium electroplate with yellow dichromate finish and waxed
- Multiple locking surfaces to resist vibration
- For temperature applications up to 400° F
- Compatible for use with Bowmalloy®, Bowma-Torq®/Grade 8 and SAE Grade 5 strength fasteners

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
46620	¼-20	46990	¼-28	100
46981	5/16-18	46991	5/16-24	100
46982	⅜-16	46992	⅜-24	100
46983	7/16-14	46993	7/16-20	50
46984	½-13	46994	½-20	50
46985	⅝-11	46995	⅝-18	50
46986	¾-10	46996	¾-16	25

Grade 8 Flange Cap Screws-Black

Hex Flange Screws - Grade 8 Non-Plated



Grade 8 Hex Flange Screws are commonly used in truck applications and are also known as Frame Bolts. The flange eliminates the need for flat washers. We supply only the best, true Grade 8. Grade 8.2 may weaken when used in higher heat applications.

- 150,000 psi minimum tensile strength
- UNC coarse thread and UNF fine thread
- Black natural finish

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No. TPI-16	UNF Part No. TPI-24	Diameter (in.)	Length (in.)	Unit
C39026	"	⅜	1	25
C39027	"	⅜	1¼	25
C39028	"	⅜	1½	25
C39029	"	⅜	1¾	25
C39[illegible]	"	⅜	2	25
"	"	⅜	2¼	
C39031	"	⅜	2½	10
"	"	⅜	2¾	
C39032	"	⅜	3	10
"	"	⅜	3½	
"	"	⅜	4	

UNC Part No. TPI-13	UNF Part No. TPI-20	Diameter (in.)	Length (in.)	Unit
C39053	"	½	1	25
C39054	C39059	½	1¼	25
C39055	C39060	½	1½	25
C39056	C39060-1	½	1¾	10
C39057	C39061	½	2	10
C39058	C39061-1	½	2¼	10
C39059	C39062	½	2½	10
C39[illegible]	"	½	2¾	10
C39061	C39063	½	3	10
C39062	"	½	3½	10
C39063	"	½	4	10

UNC Part No. TPI-11	UNF Part No. TPI-18	Diameter (in.)	Length (in.)	Unit
C39044	"	⅝	1¼	10
C39045	C39064	⅝	1½	10
C39046	C39064-1	⅝	1¾	10
C39047	C39065	⅝	2	10
C39048	C39065-1	⅝	2¼	10
C39049	C39066	⅝	2½	10
C39050	C39066-1	⅝	2¾	10
C39051	C39067	⅝	3	10
C39052	"	⅝	3½	10
C39053	"	⅝	4	10
MP7156	"	⅝	4½	25
MP7157	"	⅝	5	25
MP7158	"	⅝	5½	20

UNC Part No. TPI-10	UNF Part No. TPI-16	Diameter (in.)	Length (in.)	Unit
C39054	"	¾	2	5
MP[illegible]26	"	¾	2¼	10
C39055	C39067-5	¾	2½	5
"	"	¾	2¾	
C39056	C39067-7	¾	3	5
C39057	"	¾	3½	5
C39058	"	¾	4	5
MP7160	"	¾	4½	10

* Not Available

Grade 8 Hex Flange Hex Nuts - Non-Plated



- For use with Grade 8 Hex Flange Cap Screws
- 150,000 psi load
- Black (Unplated) Finish

Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
C39063	⅜-16	"	⅜-24	25
C39069	½-13	C39072	½-20	25
C39070	⅝-11	C39073	⅝-18	10
C39071	¾-10	C39074	¾-16	5

Grade 5

Grade 5 Hex Head Cap Screws Made in U.S.A.



BOWMAN Unichrome PLATING™

- UNC (USS) or UNF (SAE)
- Meets SAE J429 Grade 5 specifications
- Medium carbon steel
- Through-hardened
- Tensile Strength:
  120,000 psi minimum for ¼" through 1" diameters
  105,000 psi minimum for 1⅛" through 1¼" diameters

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
MP620050-1	"	¼	⅜	100
30[illegible]63	30175	¼	½	100
MP30000	MP30175	¼	½	50
30[illegible]01	C7390	¼	⅝	100
30[illegible]02	30177	¼	¾	100
MP30002	MP30177	¼	¾	50
30003	30178	¼	⅞	100
30004	30179	¼	1	100
MP[illegible]004	MP30179	¼	1	50
30005	30180	¼	1¼	100
MP30005	"	¼	1¼	50
30006	30181	¼	1½	100
MP30006	MP30181	¼	1½	50
30007	30182	¼	1¾	100
MP30007	MP30182	¼	1¾	50
30008	30183	¼	2	100
MP30008	MP30183	¼	2	50
30009	30184	¼	2¼	100
MP30009	"	¼	2¼	50
30010	30185	¼	2½	100
MP30010	"	¼	2½	50
"	MP30185	¼	2½	25
30011	30186	¼	2¾	100
MP30011	"	¼	2¾	50
30012	30187	¼	3	100

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
MP30012	"	¼	3	50
"	MP30187	¼	3	25
30013	"	¼	3¼	50
30014	30188	¼	3½	100
MP30014	"	¼	3½	50
C702[illegible]	"	¼	3	25
30016	30191	¼	4	50
30017	"	¼	4½	50
30018	"	¼	5	50
30019	"	¼	5½	50
30020	"	¼	6	50

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
30025	30200	5⁄16	½	100
MP30025	MP30200	5⁄16	½	50
30026	30201	5⁄16	⅝	100
30027	30202	5⁄16	¾	100
MP30027	MP30202	5⁄16	¾	50
30028	30203	5⁄16	⅞	100
30029	30204	5⁄16	1	100
MP30029	MP30204	5⁄16	1	50
30030	30205	5⁄16	1¼	100
MP30030	"	5⁄16	1¼	50
30031	30206	5⁄16	1½	100
MP30031	MP30206	5⁄16	1½	50
30032	30207	5⁄16	1¾	100
MP30032	"	5⁄16	1¾	50
30033	30208	5⁄16	2	100
MP30033	MP30208	5⁄16	2	25
30034	30209	5⁄16	2¼	100
MP30034	"	5⁄16	2¼	25
30035	30210	5⁄16	2½	100
MP30035	MP30210	5⁄16	2½	25
30036	30211	5⁄16	2¾	100
MP30036	"	5⁄16	2¾	25
30037	30212	5⁄16	3	100
MP30037	MP30212	5⁄16	3	25
30038	"	5⁄16	3¼	100
30039	30214	5⁄16	3½	100
MP30039	"	5⁄16	3½	25
CP02[illegible]30	"	5⁄16	3¾	25
30040	30215	5⁄16	4	100
MP30040	"	5⁄16	4	25
30041	30216	5⁄16	4½	50
MP30041	"	5⁄16	4½	25
30042	MP63035	5⁄16	5	50
MP30042	"	5⁄16	5	25
30043	"	5⁄16	5½	50
MP30043	"	5⁄16	5½	25
30044	"	5⁄16	6	50
MP30044	"	5⁄16	6	25

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
30050	30225	⅜	½	100
MP30050	"	⅜	½	25
30051	"	⅜	⅝	100
30052	30227	⅜	¾	100
MP30052	MP30227	⅜	¾	25
30053	"	⅜	⅞	100
30054	30229	⅜	1	100
MP30054	MP30229	⅜	1	25
30055	30230	⅜	1¼	100
MP30055	MP30230	⅜	1¼	25
30056	30231	⅜	1½	100
MP30056	MP30231	⅜	1½	25

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
30057	30232	3/8	1¾	100
MP30057	"	3/8	1¾	25
30058	30233	3/8	2	50
MP30058	MP30233	3/8	2	25
30059	30234	3/8	2¼	50
MP30059	"	3/8	2¼	25
30060	30235	3/8	2½	50
MP30060	MP30235	3/8	2½	25
30061	30236	3/8	2¾	50
MP30061	"	3/8	2¾	10
30062	30237	3/8	3	50
MP30062	MP30237	3/8	3	10
30063	30238	3/8	3¼	50
MP30063	"	3/8	3¼	10
30064	30239	3/8	3½	50
MP30064	MP30239	3/8	3½	10
30065	30240	3/8	3¾	25
MP30065	"	3/8	3¾	10
30066	30241	3/8	4	25
MP30066	MP30241	3/8	4	10
30067	30242	3/8	4½	25
MP30067	MP30242	3/8	4½	10
30068	30243	3/8	5	25
MP30068	MP30243	3/8	5	10
30069	30244	3/8	5½	25
MP30069	"	3/8	5½	10
30070	30245	3/8	6	25
MP30070	"	3/8	6	10
30071	"	3/8	6½	25
C702134	"	3/8	7	25
MPC702134	"	3/8	7	10
C702148	"	3/8	8	25
MPC702148	"	3/8	8	10

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
30077	30252	7/16	¾	100
MP30077	"	7/16	¾	25
30079	30254	7/16	1	100
MP30079	MP30254	7/16	1	25
30080	30255	7/16	1¼	100
MP30080	MP30255	7/16	1¼	25
30081	30256	7/16	1½	100
MP30081	MP30256	7/16	1½	25
30082	30257	7/16	1¾	100
MP30082	"	7/16	1¾	25
30083	30258	7/16	2	50
MP30083	MP30258	7/16	2	25
30084	30259	7/16	2¼	50
MP30084	"	7/16	2¼	25
30085	30260	7/16	2½	50
MP30085	MP30260	7/16	2½	10
30086	30261	7/16	2¾	25
30087	30262	7/16	3	25
MP30087	MP30262	7/16	3	10
30088	30263	7/16	3¼	25
30089	30264	7/16	3½	25
MP30089	MP30264	7/16	3½	10
30091	30265	7/16	4	25
MP30091	MP30266	7/16	4	10
30092	30267	7/16	4½	25
MP30092	"	7/16	4½	10
30093	30268	7/16	5	25
MP30093	MP30268	7/16	5	10

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
30094	30269	7/16	5½	25
MP30094	"	7/16	5½	10
30095	30270	7/16	6	25
MP30095	"	7/16	6	10
C702198	"	7/16	7	25

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
30102	30277	½	¾	50
C702202	"	½	⅞	50
30103	30278	½	1	50
MP30104	MP30278	½	1	25
30105	30280	½	1¼	50
MP30105	MP30280	½	1¼	25
30106	30281	½	1½	50
MP30106	MP30281	½	1½	25
30107	30282	½	1¾	50
MP30107	"	½	1¾	25
30108	30283	½	2	50
MP30108	MP30283	½	2	25
30109	30284	½	2¼	25
30110	30285	½	2½	25
MP30110	MP30285	½	2½	10
30111	30286	½	2¾	25
30112	30287	½	3	25
MP30112	MP30287	½	3	10
30113	30288	½	3¼	25
30114	30289	½	3½	25
MP30114	MP30289	½	3½	10
30115	"	½	3¾	25
30116	30291	½	4	25
MP30116	MP30291	½	4	10
30117	30292	½	4½	25
MP30117	"	½	4½	10
30118	30293	½	5	25
MP30118	MP30293	½	5	10
30119	30294	½	5½	25
30120	30295	½	6	25
MP30120	"	½	6	10
30121	"	½	6½	25
MP30121	"	½	6½	10
30122	30297	½	7	25
MP30122	"	½	7	10
30123	"	½	7½	25
30124	"	½	8	10

UNC Part No. TPI-12	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
30130	30304	9/16	1	25
MP30130	MP30304	9/16	1	5
30130-1	30305	9/16	1¼	25
30131	30306	9/16	1½	25
MP30131	MP30306	9/16	1½	5
30132	30307	9/16	1¾	25
30133	30308	9/16	2	25
MP30133	MP30308	9/16	2	5
30134	30309	9/16	2¼	10
30135	30310	9/16	2½	10
MP30135	MP30310	9/16	2½	5
C90832	C93834	9/16	2¾	25
30137	30312	9/16	3	10
MP30137	MP30312	9/16	3	5
30139	30314	9/16	3½	10
C702532	"	9/16	3¾	25
30141	30316	9/16	4	10
30142	30317	9/16	4½	10
30143	30318	9/16	5	10
30144	30319	9/16	6	10

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
30145-1	30320-1	5/8	1	25
30145-1¼	30320-1¼	5/8	1¼	25
30145-1½	30320-1½	5/8	1½	25
MP30145-1½	MP30320-1½	5/8	2¼	10
30145-1¾	30323-1¾	5/8	1¾	25
30145-2	30320-2	5/8	2	25
MP30145-2	MP30320-2	5/8	2	10
30145-2¼	30320-2¼	5/8	2¼	25
30145-2½	30320-2½	5/8	2½	25
MP30145-2½	MP30320-2½	5/8	2½	10
30145-2¾	30320-2¾	5/8	2¾	25
30145-3	30320-3	5/8	3	25
MP30145-3	MP30320-3	5/8	3	10
30145-3¼	"	5/8	3¼	25
30145-3½	30320-3½	5/8	3½	25
MP30145-3½	MP30320-3½	5/8	3½	10
30145-3¾	"	5/8	3¾	25
30145-4	30320-4	5/8	4	25
MP30145-4	MP30320-4	5/8	4	10
30145-4½	30320-4½	5/8	4½	25
MP30145-4½	MP30320-4½	5/8	4½	10
30145-5	30320-5	5/8	5	25
MP30145-5	"	5/8	5	10
30145-5½	30320-5½	5/8	5½	25
MP30145-5½	"	5/8	5½	10
30145-6	30320-6	5/8	6	25
MP30145-6	"	5/8	6	10
30145-6½	"	5/8	6½	25
MP30145-6½	"	5/8	6½	10
30145-7	30323-7	5/8	7	10
30145-7½	"	5/8	7½	10
30145-8	30320-8	5/8	8	10
30145-9	"	5/8	9	10
30145-10	"	5/8	10	10

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (in.)	Length (in.)	Unit
30160-1	"	¾	1	25
30160-1¼	"	¾	1¼	25
30160-1½	C93835	¾	1½	25
30160-1¾	C93836	¾	1¾	25
30160-2	30330-2	¾	2	25
MP30160-2	MP30330-2	¾	2	10
30160-2¼	30330-2¼	¾	2¼	25
30160-2½	30330-2½	¾	2½	25
MP30160-2½	MP30330-2½	¾	2½	10
30160-2¾	30330-2¾	¾	2¾	25
30160-3	30330-3	¾	3	25
MP30160-3	MP30330-3	¾	3	10
30160-3¼	"	¾	3¼	25
30160-3½	30330-3½	¾	3½	25
MP30160-3½	MP30330-3½	¾	3½	10
30160-3¾	"	¾	3¾	25
30160-4	30330-4	¾	4	25
MP30160-4	MP30330-4	¾	4	25
30160-4½	30330-4½	¾	4½	25
MP30160-4½	MP30330-4½	¾	4½	10
30160-5	30330-5	¾	5	25
MP30160-5	MP30330-5	¾	5	10
30160-5½	"	¾	5½	25
MP30160-5½	"	¾	5½	10
"	C14522	¾	5½	10
30160-6	"	¾	6	20
MP30160-6	C18289	¾	6	10
30160-6½	"	¾	6½	20
MP30160-6½	"	¾	6½	10
30160-7	C93847	¾	7	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (in.)	Length (in.)	Unit
30160-7½	"	¾	7½	10
30160-8	"	¾	8	10
30160-8½	"	¾	8½	10
30160-9	"	¾	9	10
30160-10	"	¾	10	10

UNC Part No. TPI-9	UNF Part No. TPI-14	Dia. (in.)	Length (in.)	Unit
30165-11/2	"	1⅛	1½	25
"	C92559	1⅛	1½	10
30165-13/4	"	1⅛	1¾	25
30165-2	30335-2	1⅛	2	25
MP30165-2	"	1⅛	2	10
30165-21/4	"	1⅛	2¼	25
30165-21/2	30335-21/2	1⅛	2½	25
MP30165-21/2	"	1⅛	2½	10
30165-3	30335-3	1⅛	3	25
MP30165-3	"	1⅛	3	10
30165-31/4	"	1⅛	3¼	25
30165-31/2	"	1⅛	3½	25
MP30165-31/2	"	1⅛	3½	10
"	C83537	1⅛	3½	10
30165-4	"	1⅛	4	25
MP30165-4	"	1⅛	4	10
"	C83539	1⅛	4	10
30165-41/2	"	1⅛	4½	25
MP30165-41/2	"	1⅛	4½	10
30165-5	"	1⅛	5	25
MP30165-5	"	1⅛	5	10
"	C762625	1⅛	5	10
30165-51/2	"	1⅛	5½	25
MP30165-51/2	"	1⅛	5½	10
30165-6	"	1⅛	6	25
MP30165-6	C10285	1⅛	6	10
30165-61/2	"	1⅛	6½	10
30165-7	"	1⅛	7	10
30165-71/2	"	1⅛	7½	10
30165-8	"	1⅛	8	10
30165-9	"	1⅛	9	10
30165-10	"	1⅛	10	10

UNC Part No. TPI-8	UNF Part No. TPI-14	Dia. (in.)	Length (in.)	Unit
C702703	"	1	1½	10
30170-2	"	1	2	25
MP30170-2	"	1	2	10
30170-21/2	"	1	2½	25
MP30170-21/2	"	1	2½	10
30170-3	"	1	3	20
MP30170-3	"	1	3	10
"	C702713	1	3	10
30170-31/2	"	1	3½	20
MP30170-31/2	"	1	3½	10
"	C702717	1	3½	10
30170-4	"	1	4	16
MP30170-4	"	1	4	10
"	C702721	1	4	10
30170-41/2	"	1	4½	16
MP30170-41/2	"	1	4½	10
"	C702723	1	4½	10
30170-5	"	1	5	12
"	C83551	1	5	10
30170-51/2	"	1	5½	12
30170-6	"	1	6	12
30170-61/2	"	1	6½	10
30170-7	"	1	7	10

UNC Part No. TPI-8	UNF Part No. TPI-14	Dia. (in.)	Length (in.)	Unit
30170-71/2	"	1	7½	10
30170-8	"	1	8	10
30170-81/2	"	1	8½	10
30170-9	"	1	9	10
30170-10	"	1	10	10

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
30172-4	"	1⅛	4	10
30172-41/2	"	1⅛	4½	5
30172-5	"	1⅛	5	10
30172-6	"	1⅛	6	10
30172-7	"	1⅛	7	5

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
30174-3	"	1¼	3	10
30174-4	"	1¼	4	10
30174-41/2	"	1¼	4½	5
30174-5	"	1¼	5	10
30174-6	"	1¼	6	10
30174-7	"	1¼	7	5
30174-8	"	1¼	8	5
30174-9	"	1¼	9	5
30174-10	"	1¼	10	5

* Item not available

Grade 5 Hex Head Cap Screws



- UNC (USS)
- Meets SAE J429 Grade 5 specifications
- Medium carbon steel
- Through-hardened
- Tensile Strength:
  120,000 psi minimum for ¼" through 1" diameters
  105,000 psi minimum for 1⅛" through 1½" diameters
- Zinc plated

Part No.	Dia. - TPI	Length (in.)	Unit
33101	½-13	8½	10
33102	½-13	9	10
33103	½-13	10	10
33104	½-13	11	10
33105	½-13	12	10
Part No.	**Dia. - TPI**	**Length (in.)**	**Unit**
33142	⅝-11	11	10
33143	⅝-11	12	10
Part No.	**Dia. - TPI**	**Length (in.)**	**Unit**
33162	¾-10	11	10
33163	¾-10	12	10
Part No.	**Dia. - TPI**	**Length (in.)**	**Unit**
33205	1-8	11	10
33206	1-8	12	10
Part No.	**Dia. - TPI**	**Length (in.)**	**Unit**
33221	1½-6	4½	1

NOTE: These sizes are not available from our U.S.A. manufacturer

Grade 5 Hex Head Cap Screws Threaded to Head



- UNC (USS)
- Meets SAE Grade 5 specifications
- Medium carbon steel
- Zinc plated

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
30003	30175	¼	½	100
30001	C7396	¼	⅝	100
30002	30177	¼	¾	100
30005	"	¼	⅞	100
30004	30179	¼	1	100

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
30025	30201	5/16	½	100
30026	30202	5/16	⅝	100
30027	30202	5/16	¾	100
30028	30203	5/16	⅞	100
30029	30204	5/16	1	100
C9253	C9258	⅜	1½	100
C10936	"	⅜	1¾	100
34008	"	⅜	2	100

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
30050	30225	⅜	½	100
30051	"	⅜	⅝	100
30052	30227	⅜	¾	100
30053	"	⅜	⅞	100
30054	30229	⅜	1	100
C9255	C9260	⅜	1½	50
34012	"	⅜	2	50

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
30077	30252	7/16	¾	100
30079	30254	7/16	1	100
30080	30255	7/16	1¼	100

Grade 5 Finished Hex Nuts



- Made in USA
- UNC or UNF
- Meets SAE J995 Grade 5 Specifications
- Designed for use with Grade 5 Cap Screws
- Zinc Clear Plating
- Made in U.S.A.

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
33003	¼-20	33013	¼-18	100
33001	5/16-18	33014	5/16-24	100
33002	3/8-16	33015	3/8-24	100
33009	7/16-14	33016	7/16-20	50
33004	½-13	33017	½-20	50
33005	9/16-12	33018	9/16-18	50
33006	5/8-11	33019	5/8-18	50
33007	¾-10	33020	¾-16	25
33008	7/8-9	33021	7/8-14	25
33009	1-8	33022	1-14	25
C712020	1¼-7	C712021	1¼-12	10
C712022	1¼-7	C712023	1¼-12	10

Grade 5 Finished Hex Nuts



- UNC (USS) or UNF (SAE)
- Meets SAE J995 Grade 5 Specifications
- Carbon steel
- Designed for use with Grade 5 cap screws

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
31201	¼-20	31211	¼-28	200
MP31201	¼-20	MP31211	¼-28	50
31202	5/16-18	31212	5/16-24	200
MP31202	5/16-18	MP31212	5/16-24	50
31203	3/8-16	31213	3/8-24	200
MP31203	3/8-16	MP31213	3/8-24	50
31204	7/16-14	31214	7/16-20	100
MP31204	7/16-14	MP31214	7/16-20	25
31205	½-13	31215	½-20	50
MP31205	½-13	MP31215	½-20	25
31206	9/16-12	31216	9/16-18	50
MP31206	9/16-12	MP31216	9/16-18	25
31207	5/8-11	31217	5/8-18	50
MP31207	5/8-11	MP31217	5/8-18	25
31208	¾-10	31218	¾-16	50
MP31208	¾-10	MP31218	¾-16	25
31209	7/8-9	31219	7/8-14	25
31210	1-8	31223	1-14	25
31210-11/8	1⅛-7	31220-11/8	1⅛-12	10
31210-11/4	1¼-7	31220-11/4	1¼-12	10
31210-11/2	1½-6	31220-11/2	1½-12	10

Hardened Zinc-Clear Flat Washers - For use with Grade 5 Hex Head Cap Screws - SAE



- Made in USA
- Zinc-Clear plating

Part No.	Size (in.)	I.D. (in.)	O.D. (in.)	Thick (in.)	Unit
C82949	¼	9/32	5/8	1/16	100
C82950	5/16	11/32	13/16	1/16	100
C82951	3/8	13/32	15/16	1/16	100
C82952	7/16	15/32	1 5/16	1/16	50
C82953	½	17/32	1 1/16	3/64	50
C82954	9/16	19/32	1 3/16	3/64	50
C82955	5/8	21/32	1 5/16	3/64	25
C82924	¾	13/16	1½	3/64	25
C82925	7/8	15/16	1¾	5/32	25
C82926	1	1 1/16	2	5/32	25
C82927	1⅛	1¼	2¼	5/32	10
C82928	1¼	1⅜	2½	5/32	10
C712055		1⅝	3	.168-.192	25

Hardened Zinc-Clear Flat Washers - For use with Grade 5 Hex Head Cap Screws - USS



- Made in USA
- Zinc-Clear plating

Part No.	Size (in.)	I.D. (in.)	O.D. (in.)	Thick (in.)	Unit
C39871	¼	5/16	¾	1/16	250
C65878	¼	5/16	¾	1/16	100
C39872	5/16	3/8	½	5/64	250
C65879	5/16	3/8	½	5/64	100
C39873	3/8	7/16	1	5/64	250
C65880	3/8	7/16	1	5/64	100
C39874	7/16	½	1¼	5/64	100
C63881	7/16	½	1¼	9/64	50
C39875	½	9/16	1⅜	7/64	100
C65882	½	9/16	1⅜	7/64	50
C65883	9/16	5/8	1½	7/64	50
C39876	5/8	11/16	1¾	9/64	50
C65884	5/8	11/16	1¾	9/64	25
C39877	¾	13/16	2	9/64	50
C65885	¾	13/16	2	9/64	10
C63625	⅞	15/16	2¼	5/32	10
C65887	1	1 1/16	2½	5/32	10
C65888	1⅛	1¼	2¾	5/32	5
C65889	1¼	1⅜	3	5/32	5
C712063		1⅝	3½	.168-.213	25

Grade 5 Lock Washers



- Meets ANSI/ASME B18.21.1 specifications
- High carbon spring steel
- Through-hardened
- Non-linking

Part No.	Bolt Size (in.)	Unit
31320	No. 4	250
31321	No. 6	250
31322	No. 8	250
31323	No. 10	250
31324	No. 12	250
31325	¼	250
MP31325	¼	100
31326	5/16	250
MP31326	5/16	100
31327	3/8	250
MP31327	3/8	100
31328	7/16	250
MP31328	7/16	100
31329	½	250
MP31329	½	100
31330	9/16	100
MP31330	9/16	50
31331	5/8	100
MP31331	5/8	50
31332	¾	50
31333	7/8	50
31334	1	50
31335	1⅛	25
31336	1¼	25
31337	1½	25

Hex Flange Spinlock Screws



- 120,000 PSI tensile strength
- Zinc Plating
- Serrated flange

Part No.	Dia-TPI	Length (in.)	Unit
MP24713	10-24	½	100
MP24714	10-24	5/8	100
MP24715	10-24	¾	100
MP24716	10-24	1	100
Part No.	**Dia-TPI**	**Length (in.)**	**Unit**
MP24722	¼-20	½	100
MP24723	¼-20	5/8	100
MP24724	¼-20	¾	100
MP24725	¼-20	⅞	100
MP24650	¼-20	1	50
MP24726	¼-20	1¼	50
MP24728	¼-20	1½	50
MP24729	¼-20	1¾	50
MP24730	¼-20	2	50
Part No.	**Dia-TPI**	**Length (in.)**	**Unit**
MP24731	5/16-18	½	50
MP24732	5/16-18	5/8	50
MP24733	5/16-18	¾	50

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

Part No.	Dia-TPI	Length (in.)	Unit
MP24734	5/16-18	7/8	50
MP24735	5/16-18	1	50
MP24736	5/16-18	1 1/4	50
MP24737	5/16-18	1 1/2	50
MP24738	5/16-18	2	50

Part No.	Dia-TPI	Length (in.)	Unit
MP24739	3/8-16	1/2	50
MP24741	3/8-16	3/4	50
MP24742	3/8-16	7/8	50
MP24743	3/8-16	1	50
MP24744	3/8-16	1 1/4	50
MP24745	3/8-16	1 1/2	50
MP24746	3/8-16	2	50

Grade 5 - Black

Grade 5 Hex Head Cap Screws — Non-Plated



- UNC (USS) or UNF (SAE)
- Meets SAE Grade 5 specifications
- Medium carbon steel
- Through-hardened
- Tensile Strength:
  120,000 psi minimum for 1/4" through 1" diameters
  105,000 psi minimum for 1 1/4" through 1 1/2" diameters

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
97000	97200	1/4	1/2	100
MP97000	"	1/4	1/2	50
97001	97301	1/4	5/8	100
"	97301-B	1/4	5/8	4800
97002	97302	1/4	3/4	100
MP97002	"	1/4	3/4	50
97003	97303	1/4	7/8	100
97004	97304	1/4	1	100
MP97004	"	1/4	1	50
97005	"	1/4	1 1/4	100
97006	97306	1/4	1 1/2	100
MP97006	"	1/4	1 1/2	50
97007	"	1/4	1 3/4	100
97008	"	1/4	2	100
MP97008	"	1/4	2	50
97009	"	1/4	2 1/4	100
97010	"	1/4	2 1/2	100
97011	"	1/4	2 3/4	100
97012	"	1/4	3	100
97013	"	1/4	3 1/4	100
97014	"	1/4	3 1/2	100
C701020	"	1/4	3 3/4	50
97016	"	1/4	4	50
C701024	"	1/4	4 1/2	50
97018	"	1/4	5	50
97020	"	1/4	6	50

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
97025	97325	5/16	1/2	100
C701052	97325-1	5/16	5/8	100
"	97325-10	5/16	5/8	2800
97027	97327	5/16	3/4	100
MP97027	"	5/16	3/4	50
97028	97328	5/16	7/8	100
"	97328-B	5/16	7/8	2400
97029	97329	5/16	1	100
MP97029	"	5/16	1	50
97029-1	"	5/16	1 1/4	100
97030	97330	5/16	1 1/4	100
97031	97331	5/16	1 1/2	50
MP97031	"	5/16	1 1/2	50
97032	"	5/16	1 3/4	100
97033	97333	5/16	2	100
MP97033	"	5/16	2	25
97034	"	5/16	2 1/4	100
97035	"	5/16	2 1/2	100
MP97035	"	5/16	2 1/2	25
97036	"	5/16	2 3/4	100
97037	"	5/16	3	100
MP97037	"	5/16	3	25
97825	"	5/16	3 1/2	100
97039	"	5/16	3 1/2	100
C701030	"	5/16	3 3/4	50
97040	"	5/16	4	100
C701034	"	5/16	4 1/2	25
97042	"	5/16	5	50
97043	"	5/16	5 1/2	50
97044	"	5/16	6	50

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
C701102	"	3/8	1/2	100
C701102	"	3/8	5/8	100
97352	97352	3/8	3/4	100
MP97352	"	3/8	3/4	25
97353	97353	3/8	7/8	100
97353-B	"	3/8	7/8	1600
97354	97354	3/8	1	100
MP97354	"	3/8	1	25
97355	97355	3/8	1 1/4	100
MP97355	"	3/8	1 1/4	25
97356	97356	3/8	1 1/2	100
MP97356	"	3/8	1 1/2	25
97357	97357	3/8	1 3/4	100
"	97358	3/8	2	100
97358	"	3/8	2	50
MP97358	"	3/8	2	25
97359	"	3/8	2 1/4	100
97360	97360	3/8	2 1/2	50
MP97360	"	3/8	2 1/2	25
97361	"	3/8	2 3/4	50
97362	"	3/8	3	50
MP97362	"	3/8	3	10
"	97363	3/8	3 1/4	25
97363	"	3/8	3 1/4	50
"	"	3/8	3 1/2	25
97364	"	3/8	3 1/2	50
C701130	"	3/8	3 3/4	50
97366	"	3/8	4	25
97367	"	3/8	4 1/2	25
97368	"	3/8	5	25
97369	"	3/8	5 1/2	25
97370	"	3/8	6	25
97371	"	3/8	6 1/2	25
97372	"	3/8	7	25

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
97377	"	7/16	3/4	100
"	97378	7/16	7/8	100
"	97378-B	7/16	7/8	1200
97079	97379	7/16	1	100
MP97079	"	7/16	1	25
97380	97380	7/16	1 1/4	100
"	97380-B	7/16	1 1/4	950
97081	"	7/16	1 1/2	100
MP97081	"	7/16	1 1/2	25
97082	"	7/16	1 3/4	100
97083	97381	7/16	2	50
MP97083	"	7/16	2	25
97084	97382	7/16	2 1/4	50
97085	"	7/16	2 1/2	50
MP97085	"	7/16	2 1/2	10
97087	"	7/16	3	25
MP97087	"	7/16	3	10
97089	"	7/16	3 1/2	25
97091	"	7/16	4	25
C701180	"	7/16	4 1/2	25
97093	"	7/16	5	25
C701184	"	7/16	5 1/2	25
97095	"	7/16	6	25

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
97102	97402	1/2	3/4	50
97104	97404	1/2	1	50
MP97104	"	1/2	1	25
97105	97405	1/2	1 1/4	50
97106	97406	1/2	1 1/2	50
MP97106	"	1/2	1 1/2	25
97107	"	1/2	1 3/4	50
"	97407	1/2	1 3/4	100
97108	"	1/2	2	50
MP97108	"	1/2	2	25
"	97408	1/2	2	100
97109	97409	1/2	2 1/4	50
"	97410	1/2	2 1/2	50
97110	"	1/2	2 1/2	25
MP97110	"	1/2	2 1/2	10
97111	97412	1/2	2 3/4	25
97112	"	1/2	3	25
MP97112	"	1/2	3	10
97113	"	1/2	3 1/4	25
97114	"	1/2	3 1/2	25
C701226	"	1/2	3 3/4	25
"	97416	1/2	4	50
97116	"	1/2	4	25
97117	"	1/2	4 1/2	25
97118	"	1/2	5	25
97119	"	1/2	5 1/2	25
97120	97420	1/2	6	25
97121	"	1/2	6 1/2	25
97122	"	1/2	7	25
97124	"	1/2	8	10
97126	"	1/2	9	10
97128	"	1/2	10	10
97128-1	"	1/2	11	10

UNC Part No. TPI-12	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
97130	"	9/16	1	25
97131	"	9/16	1 1/2	25
97133	"	9/16	2	25
C701310	"	9/16	2 1/4	25
97135	"	9/16	2 1/2	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Cap Screws & Matching Components

Continued from previous page

UNC Part No. TPI-12	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
*	97457	5/16	3	25
97137	*	5/16	3	10
*	97459	5/16	3½	25
97139	*	5/16	3½	10
C701524	*	5/16	4	25
*CD658101	*	5/16	4½	10
97143	*	5/16	5	10

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
97145	*	5/8	1	25
97146	*	5/8	1¼	25
97147	97447	5/8	1½	25
MP97147	*	5/8	1½	10
97148	*	5/8	1¾	25
97149	97449	5/8	2	25
MP97149	*	5/8	2	10
97150	*	5/8	2¼	25
97151	97451	5/8	2½	25
MP97151	*	5/8	2½	10
97152	*	5/8	2¾	25
97153	97453	5/8	3	25
MP97153	*	5/8	3	10
97154	*	5/8	3¼	25
97155	*	5/8	3½	25
97156	*	5/8	3¾	25
97157	*	5/8	4	25
MP97157	*	5/8	4	10
97157-1	*	5/8	4¼	25
97158	*	5/8	4½	25
97159	*	5/8	5	25
97160	*	5/8	5½	25
97161	*	5/8	6	25
*CD658120	*	5/8	6½	10
97162	*	5/8	7	10
97163	*	5/8	8	10
97163-1	*	5/8	8½	10
97164	*	5/8	9	10
*	97668-4	5/8	9	1
97534	97668	5/8	9½	1
97165	*	5/8	10	10
97502	*	5/8	10½	1
97166	*	5/8	11	10
97503	*	5/8	11½	1
97167	*	5/8	12	10
97168	*	5/8	12½	10
97505	*	5/8	13	1
97507	*	5/8	14	1
97509	*	5/8	15	1
97511	*	5/8	16	1

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (in.)	Length (in.)	Unit
97169	*	¾	1	25
97169-1	*	¾	1¼	25
97170	*	¾	1½	25
97171	*	¾	1¾	25
97172	*	¾	2	25
MP97172	*	¾	2	10
97173	*	¾	2¼	25
97174	*	¾	2½	25
97175	*	¾	2¾	25
97176	*	¾	3	25
MP97176	*	¾	3	10
97177	*	¾	3¼	25
97178	*	¾	3½	25

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (in.)	Length (in.)	Unit
97179	*	¾	3¾	25
97180	*	¾	4	25
MP97180	*	¾	4	10
97181	97481	¾	4½	25
97182	*	¾	5	25
97183	*	¾	5½	25
97184	*	¾	6	25
97185	*	¾	6½	25
97186	*	¾	7	10
97187	*	¾	7½	10
97188	*	¾	8	10
97190	*	¾	9	10
97531	*	¾	9½	1
97191	*	¾	10	10
97520	*	¾	10½	1
97520-1	*	¾	11	1
97521	*	¾	11½	1
97521-1	*	¾	12	1
97522	*	¾	12½	1
97523	*	¾	13	1
97523-1	*	¾	13½	1
97525	*	¾	15	1
97526	*	¾	16	1

UNC Part No. TPI-9	UNF Part No. TPI-14	Dia. (in.)	Length (in.)	Unit
97193	*	⅞	1½	25
97193-1	*	⅞	1¾	25
97194	*	⅞	2	25
97195	*	⅞	2¼	25
97196	*	⅞	2½	25
97197	*	⅞	2¾	25
52398	*	⅞	3	25
97198	*	⅞	3¼	25
97529	*	⅞	3½	25
97200-1	*	⅞	3¾	25
97201	*	⅞	4	25
97202	*	⅞	4½	25
97203	*	⅞	5	25
*	97459	⅞	5	10
97204	*	⅞	5½	25
97205	*	⅞	6	25
*	97482	⅞	6	10
97206	*	⅞	6½	10
97207	*	⅞	7	10
97530	*	⅞	7½	1
97209	*	⅞	8	10
97532	*	⅞	8½	1
97211	*	⅞	9	10
97544	*	⅞	9½	1
97212	*	⅞	10	10
*	97684	⅞	10	1
97582	*	⅞	10½	1
97688	*	⅞	11	1
97583-1	*	⅞	11½	1
97534	*	⅞	12	1

UNC Part No. TPI-8	UNF Part No. TPI-14	Dia. (in.)	Length (in.)	Unit
97213	*	1	1½	25
97214	*	1	2	25
97214-1	*	1	2¼	25
97215	*	1	2½	25
97216	*	1	3	25
**	97490	1	3	10
97219	*	1	3½	25
97221	*	1	4	15
97222	*	1	4½	15

UNC Part No. TPI-8	UNF Part No. TPI-14	Dia. (in.)	Length (in.)	Unit
97223	*	1	5	10
97224	*	1	5½	10
97225	*	1	6	10
97558	*	1	6½	1
97227	*	1	7	10
97228	*	1	7½	10
97229	*	1		10
*	*	1	8	1
97559	*	1	8½	1
97231	*	1	9	10
*	97714	1	9	1
97545	*	1	9½	1
97232	*	1	10	10
97545-1	*	1	11	1
97546	*	1	11½	1
97546-1	*	1	12	1
97547	*	1	13	1
97549	*	1	14	1
97560	*	1	16	1
97553	*	1	19	1

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
97233	*	1⅛	2½	10
97234	*	1⅛	3	10
97234-1	*	1⅛	3½	10
97235	*	1⅛	3¾	10
97236	*	1⅛	4	10
97237	*	1⅛	4½	5
97238	*	1⅛	5	10
C701768	*	1⅛	5½	5
97240	*	1⅛	6	10
C701774	*	1⅛	7	5
97242	*	1⅛	8	5
97579-1	*	1⅛	8½	1
97580	*	1⅛	9	1
97566	*	1⅛	10	1
97568	*	1⅛	12	1
97569-1	*	1⅛	13½	1

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
97243	*	1¼	3	10
C701838	*	1¼	3½	5
97245	*	1¼	4	10
97246	*	1¼	4½	5
97247	*	1¼	5	10
97247-1	*	1¼	5½	5
97248	*	1¼	6	10
97248-1	*	1¼	6½	5
97249	*	1¼	7	5
97593	*	1¼	7½	1
97593-1	*	1¼	8	1
97251	*	1¼	9	5
97587	*	1¼	16	1

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No. TPI-6	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
=97605	*	1¾	7	1
=97609	=97758	1¾	8	1

UNC Part No. TPI-6	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
97255	*	1⅛	2½	2
97256	*	1⅛	3	2
97256-1	*	1⅛	3½	2
97257	*	1⅛	4	1
97257-1	*	1⅛	4½	1
97258	*	1⅛	5	1
97259	*	1⅛	6	1
97260	*	1⅛	7	1
97261	*	1⅛	8	1
=97624-1	*	1⅛	8½	1
=97625	*	1⅛	9	1
97262	*	1⅛	10	1
*	=97769	1⅛	10	1
97612	*	1⅛	11	1
97613	*	1⅛	12	1
=97617	*	1⅛	16	1

UNC Part No. TPI-5	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
=97637	*	1¼	6½	1
=97638-1	*	1¼	7½	1
=97550	*	1¼	14	1
=97631	*	1¼	15	1
=97633	*	1¼	17	1

UNC Part No. TPI-4½	UNF Part No. TPI-12	Dia. (in.)	Length (in.)	Unit
=97655	*	2	9	1
=97665	*	2	14	1
=97647	*	2	17	2

◆Canada only

Grade 5 Hex Nuts - Non-Plated



Grade 5 Hex Nuts are to be used with Grade 5 Hex Head Cap Screws, Grade 5 Plow Bolts and other medium carbon bolts.

Specifications:

- Made in USA
- 120,000 psi proof load for diameters 1 in. and smaller; 105,000 psi proof load for diameters over 1 in.
- Black natural finish

Part No.	Size (in.)	Unit
C765001	¼-20	100
C766432	5/16-18	100
C765004	⅜-16	100
C768006	7/16-14	50
C768008	½-13	50
C768010	9/16-12	50
C768012	⅝-11	50
C768014	¾-10	25
C768016	⅞-9	25
C763018	1-8	10
C763020	1⅛-7	10
C765022	1¼-7	10

Grade 5 Finished Hex Nuts — Non-Plated



- UNC (USS) or UNF (SAE)
- Meets SAE J995 Grade 5 specifications
- Carbon steel
- Designed for use with Grade 5 cap screws
- Through-hardened

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
96780	¼-20	96795	¼-28	100
96781	5/16-18	96796	5/16-24	100
96782	⅜-16	96797	⅜-24	100
96783	7/16-14	96798	7/16-20	50
96784	½-13	96799	½-20	50
96785	9/16-12	96800	9/16-18	50
96786	⅝-11	96801	⅝-18	50
96787	¾-10	96802	¾-16	25
96788	⅞-9	96803	⅞-14	25
96789	1-8	96804	1-14	25
96790	1⅛-7	=96805-1⅛	1⅛-12	10
96791	1¼-7	=96805-1¼	1¼-12	10
*	1⅜-6	=96805-1⅜	1⅜-12	1
96792	1½-6	=96805-1½	1½-12	10
*	1¾-5	=96805-1¾	1¾-12	1
=93798-2	2-4½	*	*	10

Through-Hardened Flat Washers

Narrow (SAE) — Non-Plated



- Made in USA
- Meets ASTM F436 specifications
- Carbon steel
- Non-plated

Part No.	Bolt Size (in.)	I.D. (in.)	O.D. (in.)	Thickness Min.-Max. (in.)	Unit
99740	¼	9/32	⅝	.051 - .080	200
99741	5/16	11/32	11/16	.051 - .080	200
99742	⅜	13/32	13/16	.051 - .080	200
99743	7/16	15/32	15/16	.051 - .080	100
99744	½	17/32	1¼	.097 - .177	100

Part No.	Bolt Size (in.)	I.D. (in.)	O.D. (in.)	Thickness Min.-Max. (in.)	Unit
99745	5/8	21/32	1⅜	.097 - .177	50
99746	⅝	11/16	1⅝	.122 - .177	50
99747	¾	13/16	1 15/32	.122 - .177	50
99748	⅞	15/16	1¾	.136 - .177	20
99749	1	1⅛	2	.136 - .177	20
99750	1⅛	1¼	2¼	.136 - .177	10
99751	1¼	1⅜	2½	.136 - .177	10
KP47823	1¾	1½	2¾	.136 - .177	20
99752	1½	1⅝	3	.136 - .177	10
=99755	1½	1⅝	3	.136 - .177	100
KP47825	1¾	1⅞	3½	.178 - .280	10
KP47826	2	2⅛	3¾	.178 - .280	5
KP84156	2¼	2⅜	4	.240 - .340	5
KP47827	2½	2⅝	4¼	.240 - .340	5

Through-Hardened Flat Washers

Wide (USS) — Non-Plated



- Made in USA
- Meets ANSI B18.22.1 specifications
- Carbon steel
- Non-plated

Part No.	Bolt Size (in.)	I.D. (in.)	O.D. (in.)	Thickness Min.-Max. (in.)	Unit
99760	¼	9/32	½	.051 - .080	200
99761	5/16	11/32	⅝	.064 - .104	200
99762	⅜	13/32	1	.064 - .104	200
99763	7/16	½	1¼	.064 - .104	100
99764	½	9/16	1⅜	.086 - .132	100
99765	9/16	⅝	1½	.086 - .132	50
99766	⅝	11/16	1¾	.105 - .160	50
99767	¾	13/16	2	.122 - .177	50
99768	⅞	15/16	2¼	.136 - .192	20
99769	1	1 1/16	2½	.136 - .192	20
99770	1⅛	1¼	2¾	.136 - .192	10
99771	1¼	1⅜	3	.136 - .192	10
99772	1½	1⅝	3½	.136 - .192	10

Grade 5 Lock Washers — Non-Plated



- Meets ANSI/ASME B18.21.1 specifications
- High carbon spring steel
- Through-hardened
- Non-linking

Part No.	Bolt Size (in.)	Unit
◆CD558250	No. 4	1000
◆CD558251	No. 6	100
◆CD558252	No. 8	500
◆CD558253	No. 10	500
◆CD558254	No. 12	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Bolt Size (in.)	Unit
33540	¾	200
33561	5/16	200
33562	⅜	200
33563	7/16	200
33564	½	200
33565	9/16	100
33566	⅝	100
33567	¾	100
33568	⅞	50
33569	1	50
33569-1	1⅛	50
33569-2	1¼	25
33569-3	1½	10

◆Canada only

Grade 5 Square Head Cap Screws



- UNC (USS)
- Meets SAE J429 Grade 5 specifications
- Medium carbon steel
- Through-hardened
- Non-plated

Part No.	Dia. - TPI (in.)	Length (in.)	Unit
2165-21/2	¾-10	2½	95
2165-23/4	¾-10	2¾	90
2165-3	¾-10	3	85

Grade 5 Slotted Flat Head Cap Screws



- UNC (USS)
- Meets SAE J429 Grade 5 specifications
- Medium carbon steel
- Through-hardened
- Non-plated

Part No.	Dia. - TPI (in.)	Length (in.)	Unit
2010-2	¾-10	2	25
2010-21/2	¾-10	2½	25
2010-3	¾-10	3	25
2010-31/2	¾-10	3½	25
2010-4	¾-10	4	25

Part No.	Dia. - TPI (in.)	Length (in.)	Unit
2020-3	⅞-9	3	25
2020-31/2	⅞-9	3½	25
2020-4	⅞-9	4	25

A325 Hex Head Bolts

Structural Bolts



- UNC (USS)
- Meets ASTM A325 specifications
- Type 1
- Medium carbon steel
- Through-hardened
- 120,000 psi minimum tensile strength
- Non-plated
- Heavy hex dimensions

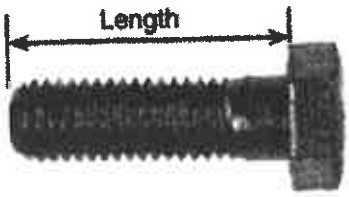
◆Indicates manufacturers identification symbol

Part No.	Dia.-TPI (in.)	Length (in.)	Unit
37090	⅝ -11	1½	75
37091	⅝ -11	1¾	100
37092	⅝ -11	2	75
37093	⅝ -11	2¼	75
37094	⅝ -11	2½	75
37095	⅝ -11	2¾	60
37096	⅝ -11	3	60
37010	⅝ -11	4	50

Part No.	Dia.-TPI (in.)	Length (in.)	Unit
37011	¾ -10	2	50
37012	¾ -10	2¼	50
37013	¾ -10	2½	50
37014	¾ -10	2¾	50
37015	¾ -10	3	50
37016	¾ -10	3½	50
37017	¾ -10	3½	50
37018	¾ -10	3¾	25
37019	¾ -10	4	30

Part No.	Dia.-TPI (in.)	Length (in.)	Unit
37021	⅞ -9	2	50
37022	⅞ -9	2¼	50
37023	⅞ -9	2½	25
37024	⅞ -9	2¾	30
37025	⅞ -9	3	40
37026	⅞ -9	3¼	25
37027	⅞ -9	3½	25
37028	⅞ -9	3¾	25
37029	⅞ -9	4	25
37030	⅞ -9	4¼	25
37031	⅞ -9	4½	25
37032	⅞ -9	5	25

Grade 2 Hex Head Cap Screws — Plated



- Zinc Plated

UNC Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
49000	¼	½	100
49001	¼	¾	100
49002	¼	1	100
49003	¼	1¼	100
49004	¼	1½	100
49005	¼	1¾	100
49006	¼	2	100
49007	¼	2¼	50
49008	¼	2½	50
49009	¼	2¾	50
49010	¼	3	50

UNC Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
49015	5/16	½	100
49016	5/16	¾	100
49017	5/16	1	100
49018	5/16	1¼	100
49019	5/16	1½	100
49020	5/16	1¾	100
49021	5/16	2	50
49022	5/16	2¼	50
49023	5/16	2½	50
49024	5/16	2¾	50
49025	5/16	3	50

UNC Part No. TPI-16	Dia. (in.)	Length (in.)	Unit
49030	⅜	½	100
49031	⅜	¾	100
49032	⅜	1	100
49033	⅜	1¼	50
49034	⅜	1½	50
49035	⅜	1¾	50
49036	⅜	2	50
49037	⅜	2¼	25
49038	⅜	2½	25
49039	⅜	2¾	25
49040	⅜	3	25
49041	⅜	3½	25
49042	⅜	4	25

UNC Part No. TPI-13	Dia. (in.)	Length (in.)	Unit
49049	½	1	50
49050	½	1¼	50
49051	½	1½	50
49052	½	1¾	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No. TPI-13	Dia. (in.)	Length (in.)	Unit
49053	⅛	2	25
49054	⅛	2¼	25
49055	⅛	2½	25
49056	⅛	2¾	25
49057	⅛	3	25
49058	⅛	3½	10
49059	⅛	4	10
49060	⅛	4½	10
49061	⅛	5	10
49062	⅛	5½	10
49063	⅛	6	10

UNC Part No. TPI-11	Dia. (in.)	Length (in.)	Unit
49070	5/16	1	25
49071	5/16	1¼	25
49072	5/16	1½	25
49073	5/16	1¾	25
49074	5/16	2	25
49075	5/16	2¼	10
49076	5/16	2½	10
49077	5/16	2¾	10
49078	5/16	3	10
49079	5/16	3½	10
49080	5/16	4	10
49081	5/16	4½	10
49082	5/16	5	10
49083	5/16	5½	10
49084	5/16	6	10

UNC Part No. TPI-10	Dia. (in.)	Length (in.)	Unit
49090	⅜	1	10
49091	⅜	1¼	10
49092	⅜	1½	10
49093	⅜	1¾	10
49094	⅜	2	10
49095	⅜	2¼	10
49096	⅜	2½	10
49097	⅜	2¾	10
49098	⅜	3	10
49099	⅜	3½	10
49100	⅜	4	10
49101	⅜	4½	10
49102	⅜	5	5
49103	⅜	5½	5
49104	⅜	6	5
49105	⅜	7	5

UNC Part No. TPI-8	Dia. (in.)	Length (in.)	Unit
49110	7/16	2	10
49111	7/16	2¼	10
49112	7/16	2½	10
49113	7/16	2¾	10
49114	7/16	3	10
49115	7/16	3½	5
49116	7/16	4	5
49117	7/16	4½	5
49118	7/16	5	5
49119	7/16	5½	5
49120	7/16	6	5
49121	7/16	7	5

UNC Part No. TPI-8	Dia. (in.)	Length (in.)	Unit
49130	1	2	5
49131	1	2¼	5
49132	1	2½	5
49133	1	2¾	5
49134	1	3	5
49135	1	3½	5
49136	1	4	5
49137	1	4½	5
49138	1	5	5
49139	1	5½	5
49140	1	6	5
49141	1	7	5

UNC Part No. TPI-7	Dia. (in.)	Length (in.)	Unit
49150	1⅛	4	5
49151	1⅛	4½	5
49152	1⅛	5	5
49153	1⅛	5½	5
49154	1⅛	6	5
49155	1⅛	7	5

UNC Part No. TPI-7	Dia. (in.)	Length (in.)	Unit
49160	1¼	4	5
49161	1¼	4½	5
49162	1¼	5	5
49163	1¼	5½	5
49164	1¼	6	5
49165	1¼	7	5

UNC Part No. TPI-8	Dia. (in.)	Length (in.)	Unit
49170	1⅛	4	5
49171	1⅛	4½	5
49172	1⅛	5	5
49173	1⅛	5½	5
49174	1⅛	6	5
49175	1⅛	7	5

UNC Part No. TPI-8	Dia. (in.)	Length (in.)	Unit
49180	1¼	4	5
49181	1¼	4½	5
49182	1¼	5	5
49183	1¼	5½	5
49184	1¼	6	5
49185	1¼	7	5

T Head Bolts

Grade 5 T-Head Bolts



- UNC (USS)
- Meets SAE J429 Grade 5 and ANSI/ASME B18.5 specifications
- Medium carbon steel
- Through-hardened
- Non-plated

Part No.	Dia. - TPI	Length (in.)	Unit
65230-T	¼-16	1¼	100
65231-T	¼-16	1½	100
65232-T	¼-16	2	50
Part No.	**Dia. - TPI**	**Length (in.)**	**Unit**
65241-T	½-13	1½	50
65242-T	½-13	2	50
65243-T	½-13	2½	50
Part No.	**Dia. - TPI**	**Length (in.)**	**Unit**
65255-T	¾-10	½	50
65256-T	¾-10	2¼	50
65257-T	¾-10	3	25

Grade 2 Hex Bolts

Muffler Clamp Bolts

Hex Head Cap Screw-Full Thread



- Zinc plating
- Grade 2
- Use with most muffler clamps

Part No.	Dia-TPI	Length (in.)	Unit
KP28035	¼-20	1¼	100
KP28037	¼-20	1½	100
KP28043	¼-20	2	100
Part No.	**Dia-TPI**	**Length (in.)**	**Unit**
KP28001	5/16-18	1¼	100
KP28005	5/16-18	1½	100
KP28007	5/16-18	2	100
Part No.	**Dia-TPI**	**Length (in.)**	**Unit**
KP28011	⅜-16	2	100

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bolts

Hex Head Bolt Full Thread

...ly Threaded
...nada Only



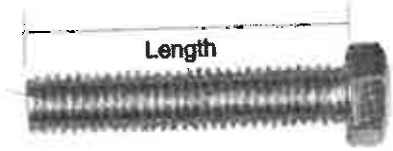
- Duraplate finish protects against rust and corrosion
- Grade 2/A307
- Use with most muffler clamps

Part No.	Dia.	Length	Unit
*CD2[illegible]	¼	1¼	50
*CD28001-1	⅜	1½	50
*CD2[illegible]	⅜	2	50
Part No.	Dia.	Length	Unit
*CD2[illegible]	5/16	1¼	50
*CD2[illegible]	5/16	2	50
*CD559719	5/16	3	50
Part No.	Dia.	Length	Unit
*CD559190	⅜	1¼	100
*CD2[illegible]	⅜	2	50
*CD559193	⅜	2½	100
*CD559325	⅜	3	25
*CD559391	⅜	4	25
Part No.	Dia.	Length	Unit
*CD557513	½	2	25
*CD557612	½	3	25
*CD557651	½	4	25

*Canada only

Hex Head Bolt Non-Plated

Fully Threaded
Canada Only



- Plain finish
- Grade 2/A307
- Use with most muffler clamps

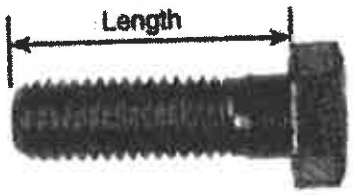
Part No.	Dia.	Length	Unit
*CD558287	¼	1¼	50
*CD558528	¼	2	50
Part No.	Dia.	Length	Unit
*CD559607	5/16	1½	50
*CD559679	5/16	2	50
*CD559773	5/16	4	50

Part No.	Dia.	Length	Unit
*CD559189	⅜	1½	50
*CD559273	⅜	2	50
*CD559192	⅜	2½	25
*CD559324	⅜	3	25
*CD559393	⅜	4	25
Part No.	Dia.	Length	Unit
*CD557512	½	2	25
*CD557660	½	4	25
Part No.	Dia.	Length	Unit
*CD559145	⅝	4	10
Part No.	Dia.	Length	Unit
*CD559047	¾	4	10

*Canada only

Grade 2 Hex Head Cap Screws

Canada Only



- Duraplate finish protects against rust and corrosion

UNC Part No.	Dia.	Length	Unit
*CD558139	⅛	½	100
*CD558598	¼	¾	100
*CD558179	¼	1	100
*CD556729	¼	1¼	100
*CD558519	¼	2	100
UNC Part No.	Dia.	Length	Unit
*CD559738	5/16	¾	100
*CD559573	5/16	1	100
*CD559598	5/16	1¼	100
*CD559671	5/16	2	100
*CD559619	5/16	2½	50
*CD559711	5/16	3	50
UNC Part No.	Dia.	Length	Unit
*CD559347	⅜	¾	100
*CD559152	⅜	1	100
*CD559205	⅜	1¼	100
*CD559[illegible]	⅜	1½	100
*CD559[illegible]	⅜	1¾	100
*CD559264	⅜	2	50
*CD559324	⅜	2¼	50
*CD559285	⅜	2½	50
*CD559315	⅜	3	50
*CD559332	⅜	4	50
UNC Part No.	Dia.	Length	Unit
*CD557413	½	1	50
*CD557450	½	1¼	50
*CD557452	½	1½	50
*CD557490	½	2	50
*CD557[illegible]	½	3	25

*Canada only

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Carriage Bolts

Grade 8 Carriage Bolts
Shaker Screen Bolts



- Fully threaded shaker screen bolts
- Meets industry standards for grade 8
- Zinc clear Unichrome plating

Part No.	Dia-TPI	Length (in.)	Unit
[illegible]	½-13	2	50
[illegible]	½-13	2½	50
[illegible]	½-13	3	50
KP64031	½-13	3½	50
[illegible]	½-13	4	50
[illegible]	½-13	4½	50
[illegible]	½-13	5	25

Part No.	Dia-TPI	Length (in.)	Unit
KP64007	⅝-11	2	25
KP63908	⅝-11	2½	25
KP64009	⅝-11	3	25
KP64010	⅝-11	3½	25
KP64011	⅝-11	4	25
KP63912	⅝-11	4½	25
KP64913	⅝-11	5	25
KP63914	⅝-11	6	25

Part No.	Dia-TPI	Length (in.)	Unit
KP64917	¾-10	4	25
KP63919	¾-10	4½	25
KP64920	¾-10	5	25
KP64921	¾-10	5½	25
KP63922	¾-10	6	25

Grade 5 Carriage Bolts



- UNC (USS)
- Meets SAE J429 Grade 5 specifications
- Medium carbon steel
- Through-hardened
- 120,000 psi minimum tensile strength
- Threaded to square (unless otherwise noted)

Part No.	Dia. - TPI	Thread	Length (in.)	Unit
32198	¼-20	Full	¾	100
32199	¼-20	Full	1	100
32199-1	¼-20	Full	1¼	100
32200	¼-20	Full	1½	100
32200-1	¼-20	Full	1¾	100
32157	¼-20	Full	2	100
KP75217	¼-20	Partial	2	100
32157-1	¼-20	Full	2¼	100
32158	¼-20	Full	2½	100
KP75219	¼-20	Partial	2½	100
32159	¼-20	Full	3	100
KP75220	¼-20	Partial	3	100
32159-1	¼-20	Full	3½	100
32160	¼-20	Full	4	100
KP75222	¼-20	Partial	4	100
32160-1/2	¼-20	Full	4½	100

Part No.	Dia. - TPI	Thread	Length (in.)	Unit
32160-3/4	5/16-18	Full	¾	100
32160-1	5/16-18	Full	1	100
32160-1 1/4	5/16-18	Full	1¼	100
32160-1 1/2	5/16-18	Full	1½	100
32160-1 3/4	5/16-18	Full	1¾	100
32161	5/16-18	Full	2	100
KP75226	5/16-18	Partial	2	100
32161-1	5/16-18	Full	2¼	100
32162	5/16-18	Full	2½	100
KP75227	5/16-18	Partial	2½	100
32162-1	5/16-18	Full	3	100
KP75228	5/16-18	Partial	3	100
32162-1 1/2	5/16-18	Full	3½	100
KP75229	5/16-18	Partial	3½	50
32162-4	5/16-18	Full	4	100
KP75230	5/16-18	Partial	4	50
KP71636	5/16-18	Full	4½	50
32162-5	5/16-18	Full	5	100
32168	5/16-18	Full	6	100

Part No.	Dia. - TPI	Thread	Length (in.)	Unit
32163-1	⅜-16	Full	¾	50
32131	⅜-16	Full	1	50
32164-1 1/4	⅜-16	Full	1¼	50
32164-1 1/2	⅜-16	Full	1½	50
32164-1 3/4	⅜-16	Full	1¾	50
KP75234	⅜-16	Partial	1¾	100
32164-2	⅜-16	Full	2	50
KP75235	⅜-16	Partial	2	100
32164-2 1/4	⅜-16	Full	2¼	50
32164-2 1/2	⅜-16	Full	2½	50
KP75236	⅜-16	Partial	2½	100
32164-2 3/4	⅜-16	Full	2¾	50
32164-3	⅜-16	Full	3	50
KP75237	⅜-16	Partial	3	100
32164-3 1/2	⅜-16	Full	3½	50
KP75238	⅜-16	Partial	3½	50

Part No.	Dia. - TPI	Thread	Length (in.)	Unit
32164-4	⅜-16	Full	4	50
KP75239	⅜-16	Partial	4	50
KP75240	⅜-16	Partial	4½	50
KP71675	⅜-16	Full	5	50
32165	⅜-16	Full	6	50

Part No.	Dia. - TPI	Thread	Length (in.)	Unit
32176	7/16-14	Full	1	50
32176-1	7/16-14	Full	1¼	50
32176-2	7/16-14	Full	1½	50
32176-3	7/16-14	Full	1¾	50
32176-4	7/16-14	Full	2	50
KP75242	7/16-14	Partial	2	50
32176-5	7/16-14	Full	2¼	50
32176-6	7/16-14	Full	2½	50
KP75243	7/16-14	Partial	2½	50
32177	7/16-14	Full	2¾	50
32176-7	7/16-14	Full	3	50
*32176-8	7/16-14	Full	3½	50
*32176-9	7/16-14	Full	4	50

Part No.	Dia. - TPI	Thread	Length (in.)	Unit
32165-1	½-13	Full	1	50
32165-5	½-13	Full	1¼	50
32165-2	½-13	Full	1½	50
32168	½-13	Full	1¾	50
36982	½-13	Full	2	50
32169	½-13	Full	2¼	50
32165-3	½-13	Full	2½	50
KP75246	½-13	Partial	2½	50
32169-1	½-13	Full	2¾	50
32166-4	½-13	Full	3	25
KP75247	½-13	Partial	3	50
32165-4	½-13	Full	3½	25
KP75248	½-13	Partial	3½	50
32166	½-13	Full	4	25
32167	½-13	Full	4½	25
32169-2	½-13	Full	5	25
32167-2	½-13	Full	5½	25
KP31290	½-13	Full	6	10

Part No.	Dia. - TPI	Thread	Length (in.)	Unit
30963	⅝-11	Full	1½	25
30964	⅝-11	Full	1¾	25
36286	⅝-11	Full	2	25
KP75250	⅝-11	Partial	2	50
30985-1	⅝-11	Full	2¼	25
30986	⅝-11	Full	2½	25
KP75251	⅝-11	Partial	2½	50
30986-1	⅝-11	Full	2¾	25
30987	⅝-11	Full	3	25
KP75791	⅝-11	Partial	3	50
30988	⅝-11	Full	3½	25
KP75792	⅝-11	Partial	3½	50
30989	⅝-11	Full	4	25
KP75252	⅝-11	Partial	4	50
32170	⅝-11	Full	4½	25
32171	⅝-11	Full	5	25
32171-1	⅝-11	Full	5½	25
32171-2	⅝-11	Full	6	25
32171-3	⅝-11	Full	6½	25

Part No.	Dia. - TPI	Thread	Length (in.)	Unit
32171-4	¾-10	Full	3	10
32171-5	¾-10	Full	3½	10
32171-6	¾-10	Full	4	10
32172	¾-10	Full	4½	10
32173	¾-10	Full	5	10
32174	¾-10	Full	5½	10
32175	¾-10	Full	6	10

*Not full thread

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bolts

Grade 5 Carriage Bolts
Round Head with Square Neck



- Non-plated
- Meets SAE J429 Grade 5 specifications
- Medium carbon steel
- Through-hardened
- 120,000 psi minimum tensile strength
- Threaded to square (unless otherwise noted)

Part No.	Dia.-TPI	Length(In.)	Unit
34620-1	¼-20	1	100
34620-11/4	¼-20	1¼	100
34620-11/2	¼-20	1½	100
34620-2	¼-20	2	100
34620-21/2	¼-20	2½	100
34620-3	¼-20	3	100
34620-31/2	¼-20	3½	100
34620-4	¼-20	4	100

Part No.	Dia.-TPI	Length(In.)	Unit
34621-1	5/16-18	1	100
34621-11/2	5/16-18	1½	100
34621-2	5/16-18	2	100
34621-21/2	5/16-18	2½	100
34621-3	5/16-18	3	100
34621-31/2	5/16-18	3½	100
34621-4	5/16-18	4	100
34621-5	5/16-18	5	100

Part No.	Dia.-TPI	Length(In.)	Unit
34622-1	3/8-16	1	100
34622-11/2	3/8-16	1½	100
34622-2	3/8-16	2	100
34622-21/4	3/8-16	2¼	50
34622-2	3/8-16	3	50
34622-31/2	3/8-16	3½	50
34622-4	3/8-16	4	50
34622-5	3/8-16	5	50
34622-6	3/8-16	6	50
34622-7	3/8-16	7"	50
34622-9	3/8-16	9"	50

Part No.	Dia.-TPI	Length(In.)	Unit
34623-1	1/2-13	1	50
34623-11/2	1/2-13	1½	50
34623-13/4	1/2-13	1¾	50
34623-2	1/2-13	2	50
34623-21/2	1/2-13	2½	50
34623-3	1/2-13	3	50
34623-31/2	1/2-13	3½	25
34623-4	1/2-13	4	25
34623-41/2	1/2-13	4½	25
34623-51/2	1/2-13	5½	25

Part No.	Dia.-TPI	Length(In.)	Unit
34624-1	5/8-11	1	25
34624-2	5/8-11	2	25
+CD5[illegible]81	5/8-11	2¼	25
+CD5[illegible]025	5/8-11	2½	25
+CD5[illegible]0099	5/8-11	3	25
34624-31/2	5/8-11	3½	25
34624-4	5/8-11	4	25
34624-41/2	5/8-11	4½	25
34624-51/2	5/8-11	5½	25

*Not threaded to head +Canada only

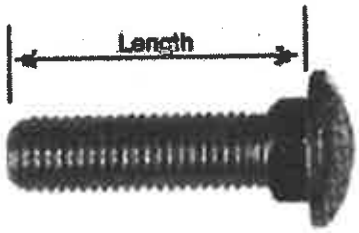
Grade 5 Ribbed Neck Carriage Bolts



- Straight ribs around the shank grip the material and resist spinning of the bolt in the hole
- Excellent for trailer repair
- 120,000 psi tensile strength
- Zinc plated steel resists corrosion.

Part No.	Dia. TPI	Length (In.)	Unit
C29717	¼-20	1	50
C29718	¼-20	1 ¼	50
C29719	¼-20	1½	50
C29720	¼-20	2	50
C29721	5/16-18	1	50
C29722	5/16-18	1 ¼	50
C29723	5/16-18	1 ½	50
C29724	5/16-18	2	50
C29725	3/8-16	1	50
C29726	3/8-16	1 ¼	50
C29727	3/8-16	1 ½	50
C29728	3/8-16	2	50
C29729	3/8-16	2 ½	25

Grade 5 Shaker Screen Bolts
Canada Only

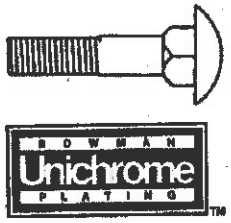


- Fully threaded shaker screen bolt
- Packaged without nuts
- UNC threads

Part No.	Dia. TPI	Length (In.)	Unit
+CD5[illegible]92	5/8	3	25
+CD5[illegible]118	5/8	3½	25
+CD5[illegible]144	5/8	4	25
+CD5[illegible]157	5/8	4½	25

+Canada only

Carriage Bolts
Round Head with Square Neck *



- UNC (USS)
- Low carbon steel
- Zinc plated with chromate coating
- Threaded to square (unless otherwise noted)

Part No.	Dia.-TPI	Length (In.)	Unit
34571	No. 10-24	½	100
34573	No. 10-24	¾	100
34574	No. 10-24	1	100
[illegible]34574-1	No. 10-24	1¼	100
34574-2	No. 10-24	1½	100
[illegible]34574-3	No. 10-24	1¾	100
34574-4	No. 10-24	2	100

Part No.	Dia.-TPI	Length (In.)	Unit
34572	¼-20	½	100
34575	¼-20	¾	100
34576	¼-20	1	100
34577	¼-20	1¼	100
34578	¼-20	1½	100
34578-1	¼-20	1¾	100
34579	¼-20	2	100
34579-1	¼-20	2¼	100
34580	¼-20	2½	100
34581	¼-20	3	100
34582	¼-20	3½	100
34583	¼-20	4	100
34584	¼-20	4½	100
34585	¼-20	5	100
34586	¼-20	5½	100
34587	¼-20	6	100
[illegible]34553	¼-20	6½	50
[illegible]34589	¼-20	7	50

Part No.	Dia.-TPI	Length (In.)	Unit
34560	5/16-18	¾	50
34601	5/16-18	1	50
34602	5/16-18	1¼	50
34603	5/16-18	1½	50
34603-1	5/16-18	1¾	50
34604	5/16-18	2	50
34605	5/16-18	2½	50
34606	5/16-18	3	50
34607	5/16-18	3½	50
34608	5/16-18	4	50
34609	5/16-18	4½	50
34610	5/16-18	5	50
34611	5/16-18	5½	50
34612	5/16-18	6	50
*34614	5/16-18	7	50
*34615	5/16-18	7½	50
*34616	5/16-18	8	50

Part No.	Dia.-TPI	Length (In.)	Unit
34625	3/8-16	¾	50
34626	3/8-16	1	50
34627	3/8-16	1¼	50
34628	3/8-16	1½	50
34628-1	3/8-16	1¾	50
34629	3/8-16	2	50
34629-1	3/8-16	2¼	50
34630	3/8-16	2½	50
[illegible]34630-1	3/8-16	2¾	50
34631	3/8-16	3	50
34632	3/8-16	3½	50
34633	3/8-16	4	50
34634	3/8-16	4½	50
34635	3/8-16	5	50
34636	3/8-16	5½	50
34637	3/8-16	6	50
*34639	3/8-16	7	25
*34641	3/8-16	8	25

Part No.	Dia.-TPI	Length (In.)	Unit
34651	7/16-14	1	50
34652	7/16-14	1¼	50
34653	7/16-14	1½	50
34653-1	7/16-14	1¾	50

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

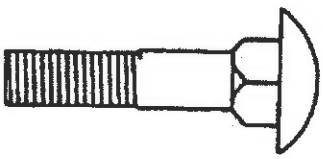
Part No.	Dia.-TPI	Length (In.)	Unit
34654	7/16-14	2	50
34654-1	7/16-14	2¼	50
34655	7/16-14	2½	50
34656	7/16-14	3	50
*34657	7/16-14	3½	50
*34658	7/16-14	4	50
*34660	7/16-14	5	50

Part No.	Dia.-TPI	Length (In.)	Unit
34677	1/2-13	1	50
34678	1/2-13	1½	50
34678-1	1/2-13	1¾	50
34679	1/2-13	2	50
34680	1/2-13	2½	50
34681	1/2-13	3	50
34682	1/2-13	3½	50
34683	1/2-13	4	50
34684	1/2-13	4½	50
34685	1/2-13	5	50
34686	1/2-13	5½	50
34687	1/2-13	6	50
34689	1/2-13	7	25
*34690	1/2-13	7½	25
*34690-1	1/2-13	8	25

Part No.	Dia.-TPI	Length (In.)	Unit
MP1030-2	5/8-11	1½	15
34691	5/8-11	2	25
34692	5/8-11	2½	25
34693	5/8-11	3	25
34694-31/2	5/8-11	3½	25
34694-4	5/8-11	4	25
*34694-41/2	5/8-11	4½	10
34694-5	5/8-11	5	10
*34694-51/2	5/8-11	5½	10
34694-6	5/8-11	6	10
*34694-61/2	5/8-11	6½	10
*34694-7	5/8-11	7	10
*34694-8	5/8-11	8	10

* Not full thread

Grade 2 Galvanized Carriage Bolts

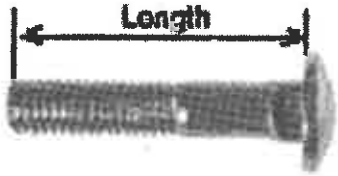


- Hot dip galvanized plating
- 74,000 psi tensile strength. All diameters 3/4" and above have 60,000 psi tensile strength

Part No.	Dia. TRI	Length (In.)	Unit
C97479	1/4-20	1	100
C97480	1/4-20	1½	100
C97481	1/4-20	2	100
C97482	1/4-20	2½	100
C97483	1/4-20	3	100
C97484	1/4-20	3½	100
C97485	1/4-20	4	100
C97487	1/4-20	5	100
C97489	1/4-20	6	100
C97493	5/16-18	1	100
C97494	5/16-18	1½	100
C97495	5/16-18	2	100
C97496	5/16-18	2½	100
C97497	5/16-18	3	100
C97498	5/16-18	3½	100

Part No.	Dia. TRI	Length (In.)	Unit
C97499	5/16-18	4	100
C97501	5/16-18	5	100
C97503	5/16-18	6	50
C97505	5/16-18	8	50
C97507	3/8-18	1	100
C97508	3/8-18	1½	100
C97509	3/8-18	2	100
C97510	3/8-18	2½	100
C97511	3/8-18	3	100
C97512	3/8-18	3½	100
C97513	3/8-18	4	100
C97515	3/8-18	5	50
C97517	3/8-18	6	50
C97519	3/8-18	8	50
C97520	3/8-18	10	10
C97521	3/8-18	12	10
C97523	1/2-13	2	50
C97524	1/2-13	2½	50
C97525	1/2-13	3	50
C97526	1/2-13	3½	50
C97527	1/2-13	4	50
C97529	1/2-13	5	25
C97531	1/2-13	6	25
C97533	1/2-13	8	25
C97534	1/2-13	10	10
C97535	1/2-13	12	10

Grade 2 Carriage Bolts
Plain Finish - Canada Only



- Packaged without nuts
- UNC threads

UNC Part No.	Dia.	Length (In.)	Unit
*CD558568	1/4	3	50
*CD558671	1/4	6	50

UNC Part No.	Dia.	Length (In.)	Unit
*CD559576	5/16	1	100
*CD559693	5/16	2½	50
*CD559716	5/16	3	50

UNC Part No.	Dia.	Length (In.)	Unit
*CD559318	3/8	3	50
*CD559337	3/8	3½	50
*CD559345	3/8	4	50
*CD559450	3/8	6	25

UNC Part No.	Dia.	Length (In.)	Unit
*CD557855	1/2	4	25
*CD557872	1/2	4½	25
*CD557831	1/2	5	25
*CD557897	1/2	6	25
*CD557907	1/2	7	25
*CD557914	1/2	8	25
*CD557922	1/2	10	10

UNC Part No.	Dia.	Length (In.)	Unit
*CD560098	5/8	3	10
*CD560141	5/8	4	10
*CD559156	5/8	4½	10
*CD559168	5/8	5	10

*Canada only

Carriage Bolt Adapters



- Black 101 nylon construction
- Allows you to raise a carriage bolt head so the square neck does not affect a drilled hole

Part No.	Size (In.)	Height (In.)	O.D. (In.)	Unit
48819	5/16	.20	1.2	100
48820	3/8	.20	1.2	100

Crossmember Repair Kit

Crossmember Rail Repair Kit



- Kit includes:
  8 - 3/8-16 x 1-1/4" Grade 5 Ribbed Neck Carriage Bolts (C29726)
  8 - 3/8 x 1" Nylon Washer (37134)
  8 - 3/8-16 Serrated Flange Hex Nuts (34294)
- Zinc plating

Part No.	Unit
59325	1

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Plow Bolts

Grade 8 Plow & Blade Bolts



- UNC (USS)
- Meets SAE J429 Grade 8 specifications
- Medium carbon alloy steel
- Through-hardened
- No. 3 head (round, countersunk, square neck)
- 150,000 psi minimum tensile strength

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
37777	⅝-11	1¾	25
37778	⅝-11	2	25
37779	⅝-11	2¼	25
37780	⅝-11	2½	25
37781	⅝-11	2¾	25
37782	⅝-11	3	25
37783	⅝-11	3½	25
37784	⅝-11	4	25
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
37789	¾-10	2¼	25
37790	¾-10	2½	25
37791	¾-10	2¾	25
37792	¾-10	3	25
37794	¾-10	3½	10
37796	¾-10	4	10
37797	¾-10	4½	10
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
37800	⅞-9	2½	25
37801	⅞-9	3	25
37802	⅞-9	3½	25
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
37810	1-8	2¼	25
37811	1-8	3	25
37812	1-8	3½	25
37814	1-8	4	10
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
37817	1¼-7	4	10

NOTE: Install with Bowmalloy hex nuts 36601-36610-2

Grade 8 Plow & Blade Bolts — Non-Plated



- UNC (USS)
- Meets SAE J429 Grade 8 specifications
- Medium carbon alloy steel
- Through-hardened
- No. 3 head (round, countersunk, square neck)
- 150,000 psi minimum tensile strength

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
37753	½-13	1	25
37690	½-13	1¼	25
37691	½-13	1½	25
37692	½-13	1¾	25
37693	½-13	2	25
37694	½-13	2¼	25
37695	½-13	2½	25
37696	½-13	2¾	25
37697	½-13	3	25
37698	½-13	3½	25
37699	½-13	4	25
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
C736500	⅝-11	1½	25
37700	⅝-11	1¾	25
37701	⅝-11	2	25
37702	⅝-11	2¼	25
37703	⅝-11	2½	25
37704	⅝-11	2¾	25
37705	⅝-11	3	25
37706	⅝-11	3½	25
37707	⅝-11	4	25
C39272	⅝-11	4½	10
C39273	⅝-11	5	10
C39274	⅝-11	6	10
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
C39275	¾-10	2	25
37708	¾-10	2¼	25
37709	¾-10	2½	25
37710	¾-10	2¾	25
37711	¾-10	3	25
37712	¾-10	3½	25
37713	¾-10	4	25
37714	¾-10	4½	25
C39282	¾-10	5	10
C39283	¾-10	6	10
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
C39284	⅞-9	2¼	10
37715	⅞-9	2½	10
C737610	⅞-9	2¾	10
37716	⅞-9	3	10
37717	⅞-9	3½	10
C39288	⅞-9	4	5
C39289	⅞-9	4½	5
C39290	⅞-9	5	5
C39291	⅞-9	6	5
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
C737708	1-8	2½	5
37718	1-8	2¾	10
37719	1-8	3	10
C737714	1-8	3¼	5
37720	1-8	3½	10
C39294	1-8	3¾	5
37721	1-8	4	10
C39296	1-8	4½	5
C39297	1-8	5	5
C39298	1-8	6	5
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
37723	1¼	3	5
37722	1¼-7	4	5
C34043	1¼-7	4	25
C737822	1¼-7	4½	5
C34044	1¼-7	4½	25
C737824	1¼-7	5	5
C34045	1¼-7	5	25
C34046	1¼-7	5½	25

Grade 5 Plow & Blade Bolts



- UNC (USS)
- Meets SAE J429 Grade 5 specifications
- Medium carbon steel
- Through-hardened
- 120,000 psi minimum tensile strength
- No. 3 countersunk head with square shoulder

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
33723-1	⅜-16	1	50
33723-1 1/4	⅜-16	1¼	50
33724-2	⅜-16	1½	50
33724-3	⅜-16	1¾	50
33724-4	⅜-16	2	50
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
33725-1 1/4	⅞-14	1¼	50
33725-2	⅞-14	1½	50
33725-3	⅞-14	1¾	50
33725-4	⅞-14	2	50
33725-5	⅞-14	2¼	50
33725-6	⅞-14	2½	50
33725-8	⅞-14	3	50
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
33726-1	½-13	1½	50
33726-2	½-13	1¾	50
33726-3	½-13	2	50
33726-5	½-13	2½	50
33726-7	½-13	3	50
Part No.	**Dia. - TPI (In.)**	**Length (In.)**	**Unit**
33729	⅝-11	2	25
33730	⅝-11	2¼	25
33731	⅝-11	2½	25
33732	⅝-11	3	25
33733	⅝-11	3½	25

Grade 5 Plow & Blade Bolts — Non-Plated



- UNC (USS)
- Meets SAE J429 Grade 5 specifications
- Medium carbon steel
- Through-hardened
- 120,000 psi minimum tensile strength
- No. 3 flat head (dome head ⅝" diameter only), square neck

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
33740	⅜-16	1	50
33742	⅜-16	1½	50
33743	⅜-16	1¾	50
33744	⅜-16	2	50
C20698	⅜-16	2½	25

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
[illegible]	7/16-14	1	50
33745	7/16-14	1¼	50
33746	7/16-14	1½	50
33747	7/16-14	1¾	50
33748	7/16-14	2	50
33749	7/16-14	2¼	50
33750	7/16-14	2½	50
33751	7/16-14	3	50
[illegible]	7/16-14	3½	25

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
33752	½-13	1½	50
33754	½-13	1¾	50
33755	½-13	2	50
KP54163	½-13	2¼	50
33756	½-13	2½	50
33757	½-13	3	50

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
33758	9/16-11	1¾	25
33759	9/16-11	2	25
33760	9/16-11	2¼	25
33761	9/16-11	2½	25
33762	9/16-11	3	25
33763	9/16-11	3½	25
KP71680	9/16-11	4	25

Counterbore 12 Point Flange Bolts

Counterbore Screws

1960 Series Head Type - 12 Point Flange



- UNC (USS) and UNF (SAE)
- Meets ANSI/ASME B18.3 dimensional specifications
- Class 3A thread fit
- Medium carbon alloy steel
- Through-hardened
- 170,000 psi minimum tensile strength
- Black finish

UNC (USS) Part No. TPI-20	UNF (SAE) Part No. TPI-28	Dia. (In.)	Length (In.)	Unit
34695-1/2		¼	½	10
34695-3/4		¼	¾	10
34695-1	"	¼	1	10
C739010	"	¼	1¼	25
C739012	"	¼	1½	25
C739016	"	¼	2	25

UNC (USS) Part No. TPI-18	UNF (SAE) Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
34696-3/4	34796-3/4	5/16	¾	10
34696-1	34796-1	5/16	1	10
34696-1 1/4	C739061	5/16	1¼	25
34696-1 1/2	34796-1 1/2	5/16	1½	10
34696-2	"	5/16	2	10
34696-2 1/4	"	5/16	2¼	10

UNC (USS) Part No. TPI-16	UNF (SAE) Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
34697-3/4	34797-3/4	3/8	¾	10
34697-1	34797-1	3/8	1	10
34697-1 1/4	34797-1 1/4	3/8	1¼	10
34697-1 1/2	34797-1 1/2	3/8	1½	10
34697-1 3/4	"	3/8	1¾	10
34697-2	"	3/8	2	10
34697-2 1/2	"	3/8	2½	10

UNC (USS) Part No. TPI-14	UNF (SAE) Part No. TPI-20	Dia. (In.)	Length (In.)	Unit
34698-1	"	7/16	1	10
2056		7/16	1¼	10
34698-1 1/2	"	7/16	1½	10
34698-2	"	7/16	2	10
34698-2 1/2	"	7/16	2½	10

UNC (USS) Part No. TPI-13	UNF (SAE) Part No. TPI-20	Dia. (In.)	Length (In.)	Unit
34699-1	34799-1	½	1	10
34699-1 1/4	"	½	1¼	10
34699-1 1/2	34799-1 1/2	½	1½	10
34699-1 3/4	"	½	1¾	10
34699-2		½	2	10
C739216		½	2½	10
C739220		½	3	10

UNC (USS) Part No. TPI-11	UNF (SAE) Part No. TPI-	Dia. (In.)	Length (In.)	Unit
34700-1 1/4	"	5/8	1¼	10
34700-1 1/2	"	5/8	1½	10
34700-1 3/4	"	5/8	1¾	10
2054	"	5/8	2	25
34700-2 1/4	"	5/8	2¼	10

UNC (USS) Part No. TPI-11	UNF (SAE) Part No. TPI-	Dia. (In.)	Length (In.)	Unit
34700-2 1/2	"	5/8	2½	10
34700-3	"	5/8	3	10

UNC (USS) Part No. TPI-10	UNF (SAE) Part No. TPI-	Dia. (In.)	Length (In.)	Unit
34701-2 1/2	"	¾	2½	10
34701-4	"	¾	4	10

Elevator Bolts

Elevator Bolts

Flat Countersunk Head with Square Neck



- UNC (USS)
- Low carbon steel
- Zinc plated

Part No.	Dia.-TPI	Length (In.)	Unit
33830	¼-20	¾	100
33832	¼-20	1	100
33833	¼-20	1¼	100
33834	¼-20	1½	100
33835	¼-20	1¾	100

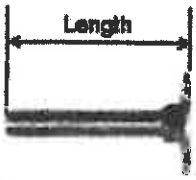
Part No.	Dia.-TPI	Length (In.)	Unit
33836	¼-20	2	100
33837	¼-20	2½	100
33838	¼-20	3	50

Part No.	Dia.-TPI	Length (In.)	Unit
33815	5/16-18	1	50
33813	5/16-18	1¼	50
33814	5/16-18	1½	50
33816	5/16-18	2	50
33818	5/16-18	2½	50

Part No.	Dia.-TPI	Length (In.)	Unit
33821	3/8-16	1¼	50
33822	3/8-16	1½	50
KP68	3/8-16	1¾	50
33824	3/8-16	2	50
KP70	3/8-16	2½	50

Norway #1 Flat Head Elevator Bolts

Plain Finish - Canada Only



Part No.	Dia.	Length (In.)	Unit
◆CD558184	¼	1	100
◆CD558210	¼	1¼	100
◆CD558265	¼	1½	100
◆CD558523	¼	2	100

Part No.	Dia.	Length (In.)	Unit
◆CD558570	5/16	1	50
◆CD559621	5/16	1½	50
◆CD559764	5/16	1¾	50
◆CD559776	5/16	2	50

Part No.	Dia.	Length (In.)	Unit
◆CD559815	3/8	1¼	50
◆CD559905	3/8	1½	50
◆CD559969	3/8	2	50
◆CD559748	3/8	2½	50

◆Canada only

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bolts

Continued from previous page

Part No.	Dia.-TPI	Unit
38653	5/16-18	10
38653-1	5/16-18	10
38654	3/8-18	10
38654-1	3/8-18	5
38654-2	3/8-18	5
Part No.	**Dia.-TPI**	**Unit**
38655	3/8-16	10
38655-1	3/8-16	10
38656	3/8-16	10
38656-1	3/8-16	5
38657	3/8-16	10
38657-1	3/8-16	5
Part No.	**Dia.-TPI**	**Unit**
38657-2	1/2-13	10
38658	1/2-13	10
38658-1	1/2-13	10
38659	1/2-13	10
38659-1	1/2-13	5
38660-1	1/2-13	5
38660-2	1/2-13	5
Part No.	**Dia.-TPI**	**Unit**
38663	5/8-11	5
38664	5/8-11	5
38665	1/8-11	1
38666	1/8-11	1
Part No.	**Dia.-TPI**	**Unit**
38668	3/4-10	5
38669	3/4-10	5
38701	3/4-10	1
38703	3/4-10	1
Part No.	**Dia.-TPI**	**Unit**
38910	7/8-9	1
38914	1/8-9	1
Part No.	**Dia.-TPI**	**Unit**
38922	1-8	1

Closed Eyebolt Dimensions

Part No.	Shank Lgth. (In.)	Thread Lgth. (In.)	OAL (In.)	Eye I.D. (In.)	Eye O.D. (In.)
38651	2	1½	3	½	1
38651-1	3	1½	4	½	1
38652	4	2	5	½	1
38652-1	5	2½	6	½	1
38652-2	6	3	7	½	1
Part No.	**Shank Lgth. (In.)**	**Thread Lgth. (In.)**	**OAL (In.)**	**Eye I.D. (In.)**	**Eye O.D. (In.)**
38653	2¼	1½	3½	⅝	1¼
38653-1	3¼	1½	4½	⅝	1¼
38654	4¼	2½	5½	⅝	1¼
38654-1	5	2½	6¼	⅝	1¼
38654-2	6	3	7¼	⅝	1¼
Part No.	**Shank Lgth. (In.)**	**Thread Lgth. (In.)**	**OAL (In.)**	**Eye I.D. (In.)**	**Eye O.D. (In.)**
38655	2¼	1½	4	¾	1½
38655-1	3	1½	4½	¾	1½
38656	4¼	2	5¾	¾	1½
38656-1	5	2½	6½	¾	1½
38657	6	3	7½	¾	1¼
38657-1	8	4	9½	¾	1½
Part No.	**Shank Lgth. (In.)**	**Thread Lgth. (In.)**	**OAL (In.)**	**Eye I.D. (In.)**	**Eye O.D. (In.)**
38657-2	2	1½	4	1	2
38658	3¼	1½	5¼	1	2
38658-1	4½	2	6½	1	2
38659	6	3	8	1	2
38659-1	8	4	10	1	2
38660-1	10	4	12	1	2
38660-2	12	4	14	1	2
Part No.	**Shank Lgth. (In.)**	**Thread Lgth. (In.)**	**OAL (In.)**	**Eye I.D. (In.)**	**Eye O.D. (In.)**
38663	4½	2	6½	1¼	2½
38664	6	3	8½	1¼	2½
38665	8	4	10¾	1¼	2½
38666	10	4	12½	1¼	2½
Part No.	**Shank Lgth. (In.)**	**Thread Lgth. (In.)**	**OAL (In.)**	**Eye I.D. (In.)**	**Eye O.D. (In.)**
38668	4½	2¼	7¼	1½	2¾
38669	6	3	8¾	1½	2¾
38701	10	4	12¾	1½	2¾
38703	15	6	17¾	1½	2¾
Part No.	**Shank Lgth. (In.)**	**Thread Lgth. (In.)**	**OAL (In.)**	**Eye I.D. (In.)**	**Eye O.D. (In.)**
38910	5	2½	8¼	1⅝	3¼
38914	24	6	27½	1⅝	3¼
Part No.	**Shank Lgth. (In.)**	**Thread Lgth. (In.)**	**OAL (In.)**	**Eye I.D. (In.)**	**Eye O.D. (In.)**
38922	12	4	15¾	2	3½

*NOT FOR OVERHEAD LIFTING!

Crosby Forged Eye Bolts

Crosby® Forged Eye Bolts



- Recommended for straight line pull
- All bolts hot dip galvanized after threading
- Furnished with standard hot dip galvanized hex nuts
- Forged steel - quenched and tempered
- Fatigue tested to 1⅓ times the working load limit for 20,000 cycles

Part No.	Shank Dia. & Lgth. (In)	Working Load Limits (Lbs.)	Weight per 100 (Lbs.)	Unit
+50432	¼ x 4	650	11.70	5
+50433	⅜ x 4½	1200	25.00	5
+50434	½ x 4½	1550	29.50	5
+50435	½ x 3¼	2600	50.30	5
+50436	⅝ x 4	5200	103.10	5
+50437	¾ x 4½	7200	168.60	5
+50438	⅞ x 5	10600	270.00	2
+50439	1 x 6	13300	421.00	2

+Part numbers available in Canada only.

Turned Eye Bolts

Turned Eye Bolts

Light-Duty Type*



- NOT FOR OVERHEAD LIFTING
- UNC (USS)
- Low carbon steel
- Not heat treated
- Zinc plated
- With one grade 2 nut per eye bolt

Part No.	Dia.-TPI	OAL (In.)	Unit
C38019	No. 10-24	1¾	25
C89379	No. 10-24	2	25
C38020	No. 10-24	2½	25
Part No.	**Dia.-TPI**	**OAL (In.)**	**Unit**
29684	No. 12-24	2¼	25
Part No.	**Dia.-TPI**	**OAL (In.)**	**Unit**
38630	¼-20	2	25
38631	¼-20	2½	25
38632	¼-20	3	25
38633	¼-20	4	25
Part No.	**Dia.-TPI**	**OAL (In.)**	**Unit**
C38022	5/16-18	3¼	25
38635	5/16-18	3½	25
C189214	5/16-18	4	25
38636	5/16-18	4½	25
C189218	5/16-18	6	25
Part No.	**Dia.-TPI**	**OAL (In.)**	**Unit**
38641	3/8-16	4	25
C189222	3/8-16	5	10
C38026	3/8-16	6	10
C38035	3/8-16	8	5
Part No.	**Dia.-TPI**	**OAL (In.)**	**Unit**
C38027	½-13	4	10
C43826	½-13	6	10
C43827	½-13	8	5
C95604	½-13	10	5
C95605	½-13	12	5

Turned Eye Bolt Dimensions

Part No.	Shank Lgth. (In.)	Thread Lgth. (In.)	OAL (In.)	Eye I.D. (In.)
C38019	⅝	5/8	1⅜	5/16
C89379	1⅜	1¼	2	5/16
C38020	1⅝	1¼	2½	5/16
38634	1⅝	1⅝	2¼	⅜
38630	1	⅝	2	½
38631	1½	1¼	2½	½
38632	2	1¼	3	½
38633	3	1½	4	½
C38022	2	1¾	3¼	5/8
38635	2¼	2	3½	5/8

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Spring Center Bolts

Spring Center Bolts



- UNF (SAE)
- Low carbon steel
- Includes one Unichrome™ plated SAE J995 Grade 5 hex nut per bolt
- Non-plated

Part No.	Dia.-TPI	Length (in.)	Head	Unit
32502	5/16-24	5	F	10
Part No.	**Dia.-TPI**	**Length (in.)**	**Head**	**Unit**
KP1987	3/8-24	4	F	25
32516	3/8-24	6	F	10
32518	3/8-24	8	F	10
32519	3/8-24	10	F	10
32520	3/8-24	12	F	10
Part No.	**Dia.-TPI**	**Length (in.)**	**Head**	**Unit**
32522	7/16-20	4	F	10
32523	7/16-20	6	F	10
32525	7/16-20	8	F	10
C7534	7/16-20	10	F	10
32530	7/16-20	12	F	10
Part No.	**Dia.-TPI**	**Length (in.)**	**Head**	**Unit**
32535	1/2-20	8	F	10
32537	1/2-20	10	HF†	10
32539	1/2-20	12	HF†	10
32540	1/2-20	12	F	10
32542	1/2-20	14	F	10

†Not supplied with nut

Hook Bolts

Hook Bolts

Light-Duty Type*



- NOT FOR OVERHEAD LIFTING
- UNC (USS)
- Medium carbon steel
- Through-hardened
- Zinc plated

Part No.	Dia.-TPI	Length (in.)	Unit
C87649	1/2-13	4	10
KP1955	1/2-13	4 1/2	25
36975	1/2-13	5	10
32976	1/2-13	6	10
Part No.	**Dia.-TPI**	**Length (in.)**	**Unit**
32977	5/8-11	5	10
32978	5/8-11	6	10

*NOT FOR OVERHEAD LIFTING!

Bumper Bolts

Bumper Bolts

Round Head With Square Neck



- UNC (USS)
- Carbon steel bolt
- Stainless steel cap
- Includes nuts
- Zinc plated with chromate coating

Part No.	Dia.-TPI	Length (in.)	Unit
32953	5/16-16	1	10
32952	7/16-14	1 1/4	10

Roller Coaster Bolts

Roller Coaster Bolts



- Unslotted flat countersunk (82°) head machine bolt
- Low carbon 1038-1010 cold rolled steel
- Zinc plated with clear chromate finish
- Standard three-inch thread length on all bolts

Part No.	Dia. TPI	Length (in.)	Thread Length (in.)	Unit
RC100-321-11	3/8-16	11	3	200
RC100-321-12	3/8-16	12	3	200
RC100-321-13	3/8-16	13	3	150
RC100-321-14	3/8-16	14	3	175
RC100-321-16	3/8-16	16	3	175

High Strength Universal Studs

Grade 8 Universal Studs





- UNC (USS) and UNF (SAE)
- Alloy steel
- Through-hardened
- Meets SAE Grade 8 requirements

Part No.	UNF Thd. Dia.-TPI x Lgth. (in.)	UNC Thd. Dia.-TPI x Lgth. (in.)	OAL (in.)	Unit
36956	5/16-24 x 5/8	5/16-18 x 1/2	1 1/8	25
*CD560513	5/16-18 X 3/16	5/16-18 X 1/8	1 1/8	10
36957	5/16-24 x 3/4	5/16-18 x 1/2	1 1/8	25
36959	5/16-24 x 1	5/16-18 x 3/4	2	25
*CD560514	5/16-18 X 3/4	5/16-18 X 1	2	10
*CD560530	1/2-16 X 1/16	1/2-16 X 1 1/2	2 5/16	10
*CD560531	1/2-16 X 2 1/16	1/2-16 X 1	3 5/16	10
Part No.	**UNF Thd. Dia.-TPI x Lgth. (in.)**	**UNC Thd. Dia.-TPI x Lgth. (in.)**	**OAL (in.)**	**Unit**
36965	1/2-24 x 3/4	1/2-16 x 1/2	1 1/2	25
36966	1/2-24 x 1	1/2-16 x 3/4	1 3/4	25
36967	1/2-24 x 1 3/4	1/2-16 x 1	2	25
*CD560454	1/2-16 X 3/4	1/2-16 X 1	2 1/16	10
36963	1/2-24 x 1 1/4	1/2-16 x 1 1/2	2 1/4	25
36969	1/2-24 x 1 1/2	1/2-16 x 1 1/4	2 1/2	15
*CD560456	1/2-16 X 3/4	1/2-24 X 1	2 3/4	10
36971	1/2-24 x 2	1/2-16 x 1 1/4	3	15
*CD560517	1/2-16 X 1 1/2	1/2-16 X 1 1/2	2	10
*CD560455	1/2-16 X 1/4	1/2-16 X 2	4	10
*CD560457	1/2-16 X 1/2	1/2-24 X 1 1/2	4	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	UNF Thd. Dia.-TPI x Lgth. (in.)	UNC Thd. Dia.-TPI x Lgth. (in.)	OAL (in.)	Unit
36976	1/4-20 x 7/8	1/4-14 x 3/4	1¾	25
36977	1/4-20 x 15/16	1/4-14 x 3/4	2	25
36978	1/4-20 x 1 1/16	1/4-14 x 1 5/16	2¼	25
36979	1/4-20 x 1	1/4-14 x 1/4	2½	15
36980	1/4-20 x 1 1/16	1/4-14 x 3/4	2¾	15
36981	1/4-20 x 1 1/16	1/4-14 x 1 3/16	3	10
*CD566509	1/2-13 X 3/4	1/2-20 X 2	3	10
*CD[illegible]	1/4-14 X 5/8	1/4-14 X 1 7/8	3 5/8	10
*CD[illegible]	1/4-14 X 3/4	1/4-14 X 1 1/4	2½	10
*CD[illegible]	1/4-14 X 5/8	1/4-14 X 1 7/8	3¼	10

Part No.	UNF Thd. Dia.-TPI x Lgth. (in.)	UNC Thd. Dia.-TPI x Lgth. (in.)	OAL (in.)	Unit
36936	1/2-20 x 1 5/16	1/2-13 x 1 3/16	2	10
36987	1/2-20 x 1 1/16	1/2-13 x 3/4	2¼	10
36989	1/2-20 x 1 1/16	1/2-13 x 3/4	2¾	10
*CD[illegible]	1/2-13 X 3/4	1/2-20 X 1 1/16	2½	10
36990	1/2-20 x 2	1/2-13 x 3/4	3	10
*CD[illegible]	5/8-11 X 1 3/16	5/8-11 X 1 1/2	2 5/8	10
*CD566096	3/4-10 X 1	3/4-10 X 1 3/4	3	10

*Canada only

Grade 5 Universal Studs



- UNC (USS) and UNF (SAE)
- Meets SAE Grade 5 specifications
- Medium carbon steel
- Through-hardened
- Non-plated

Part No.	UNF Thd. Dia.-TPI x Lgth. (in.)	UNC Thd. Dia.-TPI x Lgth. (in.)	OAL (in.)	Unit
32411	5/16-24 x 7/8	5/16-18 x 3/8	1	25
32412	5/16-24 x 5/8	5/16-18 x 1/2	1¼	25
32413	5/16-24 x 3/4	5/16-18 x 9/16	1½	25
32414	5/16-24 x 7/8	5/16-18 x 5/8	1¾	25
32415	5/16-24 x 1	5/16-18 x 9/16	2	25

Part No.	UNF Thd. Dia.-TPI x Lgth. (in.)	UNC Thd. Dia.-TPI x Lgth. (in.)	OAL (in.)	Unit
32483	3/8-24 x 3/4	3/8-16 x 1/2	1½	25
32421	3/8-24 x 1	3/8-16 x 9/16	1¾	25
HP3051	3/8-16 x 7/8	3/8-16 x 3/4	1¾	25
32425	3/8-24 x 1 1/2	3/8-16 x 5/8	2	25
HP3078	3/8-16 x 1	3/8-16 x 3/4	2	25
32426	3/8-24 x 1 1/4	3/8-16 x 1/2	2¼	25
32427	3/8-24 x 1 1/4	3/8-16 x 5/8	2½	15
C151[illegible]	3/8-24 x 1	3/8-16 x 7/8	2¾	25
32428	3/8-24 x 2	3/8-16 x 5/8	3	15
HP3051-1	3/8-16 x 2	3/8-16 x 1 1/16	3	25
32429	3/8-24 x 2	3/8-16 x 1	3½	15

Part No.	UNF Thd. Dia.-TPI x Lgth. (in.)	UNC Thd. Dia.-TPI x Lgth. (in.)	OAL (in.)	Unit
32433	7/16-20 x 3/4	7/16-14 x 5/8	1½	25
32434	7/16-20 x 7/8	7/16-14 x 3/4	1¾	25
32435	7/16-20 x 15/16	7/16-14 x 3/4	2	25
32436	7/16-20 x 1 1/16	7/16-14 x 15/16	2¼	25
32437	7/16-20 x 1	7/16-14 x 7/8	2½	25
32433	7/16-20 x 1 1/16	7/16-14 x 3/4	2¾	15
32439	7/16-20 x 1 1/16	7/16-14 x 1 3/16	3	10

Part No.	UNF Thd. Dia.-TPI x Lgth. (in.)	UNC Thd. Dia.-TPI x Lgth. (in.)	OAL (in.)	Unit
32444	1/2-20 x 7/8	1/2-13 x 1 3/4	1¾	10
32445	1/2-20 x 15/16	1/2-13 x 15/16	2	10
32446	1/2-20 x 1 1/16	1/2-13 x 3/4	2¼	10
32447	1/2-20 x 1 1/4	1/2-13 x 3/4	2½	10
KP3076-1	1/2-13 X 3/4	1/2-20 X 1 5/8	2¾	25
32448	1/2-20 x 1 3/4	1/2-13 x 3/4	2¾	10
32419	1/2-20 x 2	1/2-13 x 3/4	3	10

Part No.	UNF Thd. Dia.-TPI x Lgth. (in.)	UNC Thd. Dia.-TPI x Lgth. (in.)	OAL (in.)	Unit
C592165	5/8-18 x 1	5/8-11 x 3/4	2½	10
32455	5/8-18 x 1 1/4	5/8-11 x 3/4	3	5

B7 Studs

B7 Studs



- UNC (USS)
- Meets ASTM A193-B7 specifications
- Medium carbon alloy steel
- Through-hardened
- 125,000 psi minimum tensile strength
- Non-plated
- For use with high temperature and high pressure flange connections
- Length measured from first full thread to first full thread

Standard Part No.	Unit	Bulk Part No.	Unit	Dia.-TPI	Length (in.)
40594	25	40594-B	200	1/2-13	2
40596	25	40596-B	200	1/2-13	2½
40596-1	25	40596-1B	200	1/2-13	2¾
40597	25	40597-B	200	1/2-13	3
*	*	*40597-1B	200	1/2-13	3¼
40598	25	40598-B	200	1/2-13	3½
40599	25	*	200	1/2-13	4
*	*	*40599-1B	100	1/2-13	4½
KP66856	10	*40599-2B	200	1/2-13	5
*	*	*40599-3B	100	1/2-13	5½
40599-4	25	40599-4B	100	1/2-13	6
*	*	*40599-5B	50	1/2-13	6½
*	*	*40599-6B	100	1/2-13	7
*	*	*40599-8B	100	1/2-13	8

Standard Part No.	Unit	Bulk Part No.	Unit	Dia.-TPI	Length (in.)
*	*	*40599-9B	100	5/8-11	2
KP68976	10	*40599-10B	200	5/8-11	2½
40599-11	25	40599-11B	100	5/8-11	2¾
40599-12	25	40599-12B	100	5/8-11	3
40599-13	25	40599-13B	100	5/8-11	3¼
40600	25	40600-B	100	5/8-11	3½
40600-1	25	40600-1B	100	5/8-11	3¾
40601	25	40601-B	100	5/8-11	4
40602	25	40602-B	100	5/8-11	4½
40603	25	40603-B	100	5/8-11	5
40603-2	25	40603-2B	100	5/8-11	5½
40603-3	25	40603-3B	100	5/8-11	6

Standard Part No.	Unit	Bulk Part No.	Unit	Dia.-TPI	Length (in.)
40603-4	10	40603-4B	50	5/8-11	6½
40603-5	10	40603-5B	100	5/8-11	7
*	*	40603-6B	50	5/8-11	7½
*	*	40603-7B	50	5/8-11	8

Standard Part No.	Unit	Bulk Part No.	Unit	Dia.-TPI	Length (in.)
KP66998	10	*40604-B	100	3/4-10	3
40605	25	40605-B	100	3/4-10	3½
40605-1	25	40605-1B	100	3/4-10	3¾
40606	25	40606-B	100	3/4-10	4
40606-1	25	40606-1B	100	3/4-10	4¼
40607	25	40607-B	100	3/4-10	4½
40608	25	40608-B	100	3/4-10	4¾
40609	15	40609-B	100	3/4-10	5
40611	15	40611-B	100	3/4-10	5½
40612	15	40612-B	100	3/4-10	6
40613	10	*	100	3/4-10	6½
KP69034	2	40613-2B	50	3/4-10	7
KP69045	2	40613-4B	50	3/4-10	8
*	*	40613-5B	50	3/4-10	8½
*	*	40613-6B	50	3/4-10	9

Standard Part No.	Unit	Bulk Part No.	Unit	Dia.-TPI	Length (in.)
40615	10	40615-B	50	7/8-9	4
40615-1	10	40615-1B	50	7/8-9	4½
40616	10	40616-B	50	7/8-9	5
*	*	40616-2B	50	7/8-9	5¼
40616-1	10	40616-1B	50	7/8-9	5½
*	*	40616-4B	50	7/8-9	5¾
40616-2	10	40616-2B	50	7/8-9	6
*	*	40617-B	50	7/8-9	6¼
KP69059	5	40618-B	50	7/8-9	6½
KP69062	2	40619-B	50	7/8-9	7
*	*	*40620-B	50	7/8-9	7½
KP69068	2	40621-B	50	7/8-9	8
*	*	*40621-1B	50	7/8-9	8½

Standard Part No.	Unit	Bulk Part No.	Unit	Dia.-TPI	Length (in.)
*	*	40622-B	50	1-8	4
*	*	*40622-2B	50	1-8	5
*	*	40622-3B	50	1-8	5½
40622-4	10	40622-4B	50	1-8	6
40622-5	5	40622-5B	25	1-8	6½
*	*	40622-6B	25	1-8	7
*	*	40622-7B	25	1-8	7½
*	*	40622-8B	25	1-8	8
*	*	*40622-9B	25	1-8	8½

Standard Part No.	Unit	Bulk Part No.	Unit	Dia.-TPI	Length (in.)
*	*	40623-3B	25	1 1/8-8	6½
*	*	40623-4B	25	1 1/8-8	7
*	*	*40623-5B	25	1 1/8-8	7½
*	*	40623-6B	25	1 1/8-8	8

Standard Part No.	Unit	Bulk Part No.	Unit	Dia.-TPI	Length (in.)
*	*	*40623-9B	25	1 1/8-8	6
*	*	40626-B	25	1 1/4-8	8
*	*	40627-B	20	1 1/4-8	8½
*	*	40628-B	20	1 1/4-8	9
*	*	*40630-B	25	1 1/4-8	10

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Tufbolt Theft Resistant System

Tufbolt Theft-Resistant System



- For U-Channel and square tube posts
- Includes: Tufbolts, Tufnuts®, Tufbolt washers

Part No.	Dia. (in.)	Length (in.)	Unit
[illegible]	5/16	2½	100
[illegible]	5/16	3	100

Tufbolt Security Bolts



- Round head 'neckless' carriage bolts
- Serrated under the head to provide additional resistance to turning

Part No.	Dia. (in.)	Length (in.)	Unit
[illegible]	5/16	2½	100
[illegible]	5/16	3	100

Tufscrew Theft-Resistant System



- For log-type wood post and structure security fastening
- Includes: Tufscrews, Tufnuts®, security washers, Acorn installation nuts

Part No.	Dia. (in.)	Length (in.)	Unit
[illegible]	9/16	2	100
48015	¾	3	100
[illegible]	5/16	3	100
[illegible]	⅜	3½	100

Tufnut® Theft-Resistant Nuts



- Cold-rolled steel
- Heat treated
- Zinc yellow chromate plating
- Instructions included

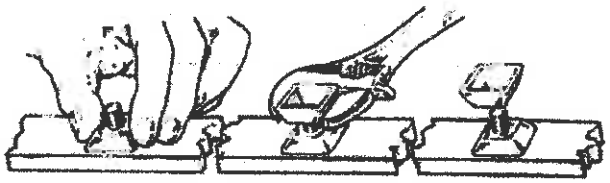
Part No.	Dia.-TPI	Unit
[illegible]	5/16-18	100
48001	¼-20	100
[illegible]	5/16-18	100
[illegible]	⅜-16	100
[illegible]	½-13	100

TUFNUTS® SECURITY NUTS

- The angular sides of the Tufnut make it impossible to grasp, while its hard surface (harder than most hand tools) increases the noise made and time used in an effort to remove the nut
- Use nuts to secure highway signs and guard rails, anchor playground equipment and park benches, safeguard solar panels and equipment, protect exterior lights, alarm systems, loud speakers, etc. Secures remote installations from vandalism and theft
- Makes any carriage bolt, machine screw or tamperproof screw virtually tamper resistant
- Used by federal, state, city and county agencies and private business
- Tufnut is easy to use and requires no special tools (see below)

Install Tufnut #1 finger tight

Remove Tufnut #2, leaving property secured



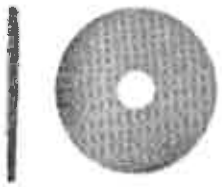
Install Tufnut #2 and tighten or loosen by inserting wrench or vise grip between Tufnuts

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

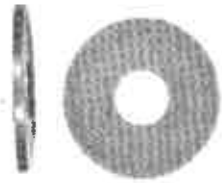
Tufnut® Nylon Security Washers



- White 101 nylon construction
- For use with Tufnut® Nuts to protect against surface abrasion

Part No.	Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
[illegible]	¼	.328	1.50	.062	100
[illegible]	5/16	.328	1.50	.062	100
[illegible]	⅜	.390	1.50	.062	100
[illegible]	½	.505	1.625	.062	100

Tufbolt Washers



- White 101 nylon construction
- For use with Tufbolt Security Bolts to protect against surface abrasions

Part No.	Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
[illegible]	5/16	.328	1	.062	100

System 60



- For large wood signs (Government applications)
- Includes: Carriage bolts, carriage bolt adapters, Tufnuts® and Tufnut® washers

Part No.	Dia. (In.)	Length (In.)	Unit
[illegible]	5/16	6	100

Spikebolt



- Notched head to allow holding with spike tool during fastening
- Spike tool included

Part No.	Dia. (In.)	Length (In.)	Unit
[illegible]	5/16	2½	100

One-Way Bolt



- Allows bolt to be held with screwdriver during fastening only
- Unique head design will not permit turning to unfasten

Part No.	Dia. (In.)	Length (In.)	Material	Unit
[illegible]	5/16	2½	Steel	100
[illegible]	5/16	2½	Aluminum	100

Safety Lock Wiring Device



- Simply snap on to bolts or nuts providing easy to reach holes for safety wiring
- Kar Safety Lock eliminates:
  - Expensive bolt head drilling
  - Inventories of special predrilled fasteners
  - Vibration and shock loosening of fasteners
- Manufactured of spring steel, heat-treated to Rockwell 40-42 C Scale—higher Rockwell hardness than SAE Grade 8
- Kar Safety Lock is approved for use by the U.S. Bureau of Mines
- Duroplate finish protects against rust and corrosion

Part No.	Bolt/Nut Size	Wrench Opening	Unit
[illegible]	¼	½	25
[illegible]	5/16	9/16	25
[illegible]	⅜	⅝	25
[illegible]	½	13/16	15
[illegible]	⅝	1	10

Bowmalloy

Bowmalloy® Socket Head Cap Screws



UNRC (Coarse) or UNRF (Fine)

- 1960 series head type
- Heat treated alloy steel
- Thermo-Forged®
- Unified 3A thread fit
- Meets ASME/ANSI B18.3
- Meets ASTM A574
  - 180,000 psi min. for sizes 0 to ½" diameter
  - 170,000 psi min. for over ½" diameter

UNRC Part Number TPI - 80	UNRF Part Number TPI - 80	Dia. (In.)	Length (In.)	Unit
-	[illegible]	No. 0	1/8	100
-	[illegible]	No. 0	3/16	100
-	[illegible]	No. 0	¼	100
-	[illegible]	No. 0	⅜	100

UNRC Part Number TPI - 64	UNRF Part Number TPI - 72	Dia. (In.)	Length (In.)	Unit
-	[illegible]	No. 1	¼	100
-	[illegible]	No. 1	⅜	100

UNRC Part Number TPI - 56	UNRF Part Number TPI - 64	Dia. (In.)	Length (In.)	Unit
[illegible]	-	No. 2	3/16	100
[illegible]	-	No. 2	¼	100
[illegible]	-	No. 2	⅜	100
[illegible]	-	No. 2	½	100

UNRC Part Number TPI - 48	UNRF Part Number TPI - 56	Dia. (In.)	Length (In.)	Unit
[illegible]	-	No. 3	3/16	100
[illegible]	-	No. 3	¼	100
72014	-	No. 3	⅜	100
72016	-	No. 3	½	100

UNRC Part Number TPI - 40	UNRF Part Number TPI - 48	Dia. (In.)	Length (In.)	Unit
86150	-	No. 4	3/16	100
72018	-	No. 4	¼	100
[illegible]	-	No. 4	¼	50
86154	-	No. 4	5/16	100
[illegible]	-	No. 4	⅜	100
[illegible]	-	No. 4	⅜	50
72022	-	No. 4	½	100
[illegible]	-	No. 4	½	50
72024	-	No. 4	5/8	100
[illegible]	-	No. 4	¾	100
[illegible]	-	No. 4	¾	50
86172	-	No. 4	7/8	100
86176	-	No. 4	1	100

UNRC Part Number TPI - 40	UNRF Part Number TPI - 44	Dia. (In.)	Length (In.)	Unit
72028	-	No. 5	¼	100
[illegible]	-	No. 5	¼	50
72030	-	No. 5	3/8	100
72032	-	No. 5	½	100
[illegible]	-	No. 5	½	50
72034	-	No. 5	5/8	100
72035	-	No. 5	¾	100

UNRC Part Number TPI - 32	UNRF Part Number TPI - 40	Dia. (In.)	Length (In.)	Unit
72038	[illegible]	No. 6	¼	100
[illegible]	-	No. 6	¼	50
72040	[illegible]	No. 6	3/8	100
[illegible]	-	No. 6	3/8	50
72042	[illegible]	No. 6	½	100
[illegible]	-	No. 6	½	50
72044	[illegible]	No. 6	5/8	100
72046	[illegible]	No. 6	¾	100
[illegible]	-	No. 6	¾	50

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNRC Part Number TPI - 32	UNRF Part Number TPI - 40	Dia. (in.)	Length (in.)	Unit
72048	–	No. 6	⅛	100
73050	–	No. 6	1	100
MP72050	–	No. 6	1	50
86288	–	No. 6	1¼	100
86292	–	No. 6	1½	100
86296	–	No. 6	1¾	50
86530	–	No. 6	2	100

UNRC Part Number TPI - 32	UNRF Part Number TPI - 36	Dia. (in.)	Length (in.)	Unit
72052	–	No. 8	¼	100
MP72052	–	No. 8	¼	50
72053	73028	No. 8	⅜	100
MP72054	-	No. 8	⅜	50
72056	73030	No. 8	½	100
MP72056	-	No. 8	½	50
72058	–	No. 8	⅝	100
MP72058	–	No. 8	⅝	50
72060	73032	No. 8	¾	100
MP72060	-	No. 8	¾	50
72062	–	No. 8	⅞	100
72064	–	No. 8	1	100
MP72064	–	No. 8	1	50
72066	–	No. 8	1¼	100
MP72066	–	No. 8	1¼	50
72068	–	No. 8	1½	100
MP72068	–	No. 8	1½	50
86532	–	No. 8	1¾	100
86364	–	No. 8	2	100
86368	–	No. 8	2½	100

UNRC Part Number TPI - 24	UNRF Part Number TPI - 32	Dia. (in.)	Length (in.)	Unit
86424	72038	No. 10	¼	100
72070	73034	No. 10	⅜	100
MP72070	MP73034	No. 10	⅜	50
72072	73036	No. 10	½	100
MP72072	MP73036	No. 10	½	50
72074	73038	No. 10	⅝	100
MP72074	MP73038	No. 10	⅝	50
72076	73040	No. 10	¾	100
MP72076	MP73040	No. 10	¾	50
72078	73042	No. 10	⅞	100
72080	73044	No. 10	1	100
MP72080	MP73044	No. 10	1	50
73032	73046	No. 10	1¼	100
MP72082	MP73046	No. 10	1¼	25
72084	73048	No. 10	1½	100
MP72084	MP73048	No. 10	1½	25
72086	73050	No. 10	1¾	100
MP72086	MP73050	No. 10	1¾	25
72088	73052	No. 10	2	100
MP72088	MP73052	No. 10	2	25
86440	77440	No. 10	2¼	100
86442	77442	No. 10	2½	100
-	77446	No. 10	3	100

UNRC Part Number TPI - 20	UNRF Part Number TPI - 28	Dia. (in.)	Length (in.)	Unit
86526	77450	¼"	¼	100
72090	73054	¼"	⅜	100
MP72090	-	¼"	⅜	50
72092	73056	¼"	½	100
MP72092	-	¼"	½	50

UNRC Part Number TPI - 20	UNRF Part Number TPI - 28	Dia. (in.)	Length (in.)	Unit
72093	73058	¼"	⅝	100
MP72094	-	¼"	⅝	50
72096	73060	¼"	¾	100
MP72096	-	¼"	¾	50
72098	72162	¼"	⅞	100
MP72098	-	¼"	⅞	50
72100	72164	¼"	1	100
MP72100	-	¼"	1	50
72102	73066	¼"	1¼	100
MP72102	-	¼"	1¼	50
72104	73068	¼"	1½	100
MP72104	-	¼"	1½	50
72106	73070	¼"	1¾	100
MP72106	-	¼"	1¾	50
72108	73072	¼"	2	100
MP72108	-	¼"	2	25
72110	73074	¼"	2¼	100
MP72110	-	¼"	2¼	25
72112	77474	¼"	2½	100
MP72112	-	¼"	2½	25
72114	-	¼"	2¾	100
72116	77478	¼"	3	100
MP72116	-	¼"	3	25
86576	–	¼"	3¼	100
72117	–	¼"	3½	100
86580	–	¼"	3¾	100
72115	77482	¼"	4	100

UNRC Part Number TPI - 18	UNRF Part Number TPI - 24	Dia. (in.)	Length (in.)	Unit
72118	–	5/16"	⅜	100
72120	73076	5/16"	½	100
MP72120	-	5/16"	½	50
72122	73078	5/16"	⅝	100
MP72122	-	5/16"	⅝	50
72124	73080	5/16"	¾	100
MP72124	-	5/16"	¾	50
72126	73082	5/16"	⅞	100
MP72126	-	5/16"	⅞	50
72128	73084	5/16"	1	100
MP72128	-	5/16"	1	50
72130	73086	5/16"	1¼	100
MP72130	-	5/16"	1¼	50
72132	73088	5/16"	1½	100
MP72132	-	5/16"	1½	50
72134	73090	5/16"	1¾	100
MP72134	-	5/16"	1¾	50
72136	73092	5/16"	2	100
MP72136	-	5/16"	2	25
72138	73094	5/16"	2¼	100
MP72138	-	5/16"	2¼	25
72140	73096	5/16"	2½	100
MP72140	-	5/16"	2½	25
72142	–	5/16"	2¾	100
72144	–	5/16"	3	100
MP72144	–	5/16"	3	10
72146	–	5/16"	3¼	50
72148	–	5/16"	3½	50
86636	–	5/16"	4	50

UNRC Part Number TPI - 16	UNRF Part Number TPI - 24	Dia. (in.)	Length (in.)	Unit
72150	73098	⅜"	½	100
MP72150	-	⅜"	½	25
72152	73100	⅜"	⅝	100
72154	73102	⅜"	¾	100
MP72154	-	⅜"	¾	25

UNRC Part Number TPI - 16	UNRF Part Number TPI - 24	Dia. (in.)	Length (in.)	Unit
72155	73104	⅜"	⅞	100
MP72156	-	⅜"	⅞	25
72158	73106	⅜"	1	100
MP72158	-	⅜"	1	25
72160	73108	⅜"	1¼	100
MP72160	-	⅜"	1¼	25
72162	73110	⅜"	1½	100
MP72162	-	⅜"	1½	25
72164	73112	⅜"	1¾	50
MP72164	-	⅜"	1¾	10
72166	73114	⅜"	2	50
MP72166	-	⅜"	2	10
72168	73116	⅜"	2¼	50
MP72168	-	⅜"	2¼	10
72170	73118	⅜"	2½	50
MP72170	-	⅜"	2½	10
72172	73119	⅜"	2¾	50
72174	73120	⅜"	3	50
MP72174	-	⅜"	3	10
72176	-	⅜"	3¼	50
72178	77506	⅜"	3½	50
MP72178	-	⅜"	3½	5
72180	77504	⅜"	4	50
MP72180	-	⅜"	4	5
72182	–	⅜"	4½	50
72184	77510	⅜"	5	50
86658	–	⅜"	5½	50
72185	-	⅜"	6	50

UNRC Part Number TPI - 14	UNRF Part Number TPI - 20	Dia. (in.)	Length (in.)	Unit
72188	–	7/16"	⅜	100
72190	–	7/16"	¾	100
72192	–	7/16"	⅞	100
72194	73122	7/16"	1	100
72196	73124	7/16"	1¼	50
72198	73126	7/16"	1½	50
72200	–	7/16"	1¾	50
72202	73128	7/16"	2	50
72204	–	7/16"	2¼	50
72206	–	7/16"	2½	50
72208	–	7/16"	2¾	25
72210	–	7/16"	3	25
72214	–	7/16"	3½	25
72216	–	7/16"	4	25
72217	–	7/16"	4½	25
86724	–	7/16"	5	25

UNRC Part Number TPI - 13	UNRF Part Number TPI - 20	Dia. (in.)	Length (in.)	Unit
72218	-	½"	½	50
72220	-	½"	⅝	50
72222	-	½"	¾	50
MP72222	-	½"	¾	10
72224	-	½"	½	50
72226	73130	½"	1	50
MP72226	-	½"	1	10
72228	73132	½"	1¼	50
MP72228	-	½"	1¼	10
72230	73134	½"	1½	50
MP72230	-	½"	1½	10
72232	73136	½"	1¾	50
MP72232	-	½"	1¾	10
72234	73138	½"	2	50
MP72234	-	½"	2	10
72236	73140	½"	2¼	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNRC Part Number TPI - 13	UNRF Part Number TPI - 20	Dia. (in.)	Length (in.)	Unit
72238	73142	1/8"	2½	25
MP72238	-	1/8"	2½	5
72240	73143	5/32"	2¾	25
72242	73144	3/16"	3	25
MP72242	-	3/16"	3	5
72244	-	1/4"	3¼	25
72246	73145	1/4"	3½	25
72247	-	1/4"	3¾	25
72248	77540	1/4"	4	25
MP72248	-	1/4"	4	5
72250	77544	1/4"	4½	25
72252	77548	1/4"	5	25
72254	77952	1/4"	5½	25
72256	77556	1/4"	6	25
72258	-	1/4"	6½	10
72260	-	1/4"	7	10
72262	-	1/4"	8	10

UNRC Part Number TPI - 11	UNRF Part Number TPI - 18	Dia. (in.)	Length (in.)	Unit
72264	73146	5/16"	1	25
MP72264	-	5/16"	1	5
72266	73148	5/16"	1¼	25
72268	73150	5/16"	1½	25
MP72268	-	5/16"	1½	5
72270	73152	5/16"	1¾	25
72272	73154	5/16"	2	25
MP72272	-	5/16"	2	5
72274	73155	5/16"	2¼	25
72276	73156	5/16"	2½	25
MP72276	-	5/16"	2½	5
72278	73158	5/16"	2¾	25
72280	76749	5/16"	3	25
MP72280	-	5/16"	3	5
72282	-	5/16"	3¼	25
72284	73164	5/16"	3½	25
MP72284	-	5/16"	3½	5
72286	73168	5/16"	4	25
MP72286	-	5/16"	4	5
72288	73172	5/16"	4½	20
72290	73176	5/16"	5	20
72292	-	5/16"	5½	10
72294	-	5/16"	6	10
72296	-	5/16"	6½	10
72298	-	5/16"	7	10
72300	-	5/16"	8	10

UNRC Part Number TPI - 10	UNRF Part Number TPI - 16	Dia. (in.)	Length (in.)	Unit
72302	-	3/8"	1¼	25
72304	-	3/8"	1½	25
72306	-	3/8"	1¾	25
72308	-	3/8"	2	25
MP72308	-	3/8"	2	5
72310	-	3/8"	2¼	25
72312	-	3/8"	2½	25
MP72312	-	3/8"	2½	5
72314	-	3/8"	2¾	25
72316	-	3/8"	3	25
MP72316	-	3/8"	3	5
72318	-	3/8"	3¼	25
72320	-	3/8"	3½	25
MP72320	-	3/8"	3½	5
72321	-	3/8"	3¾	25
72322	-	3/8"	4	25
MP72322	-	3/8"	4	5

UNRC Part Number TPI - 10	UNRF Part Number TPI - 16	Dia. (in.)	Length (in.)	Unit
72324	-	3/8"	4½	20
72326	-	3/8"	5	20
72328	-	3/8"	5½	10
72330	-	3/8"	6	10
72332	-	3/8"	6½	10
72334	-	3/8"	7	10
72336	-	3/8"	8	10

UNRC Part Number TPI - 9	UNRF Part Number TPI - 14	Dia. (in.)	Length (in.)	Unit
72338	-	7/16"	2	10
72340	-	7/16"	2¼	10
72342	-	7/16"	2½	10
72344	-	7/16"	2¾	10
72346	-	7/16"	3	10
72348	-	7/16"	3¼	10
72350	-	7/16"	3½	10
72352	-	7/16"	4	10
72354	-	7/16"	4½	10
72356	-	7/16"	5	10
72358	-	7/16"	5½	10
72359	-	7/16"	6	10
72364	-	7/16"	7	10
72366	-	7/16"	8	10

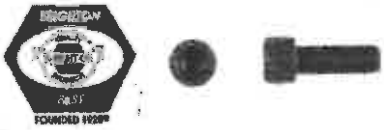
UNRC Part Number TPI - 8	UNRF Part Number TPI - 12	Dia. (in.)	Length (in.)	Unit
72368	-	1/2"	2	10
72370	-	1/2"	2¼	10
72372	-	1/2"	2½	10
72374	-	1/2"	2¾	10
72376	-	1/2"	3	10
72378	-	1/2"	3¼	10
72380	-	1/2"	3½	10
72382	-	1/2"	4	10
72384	-	1/2"	4½	10
72386	-	1/2"	5	10
72388	-	1/2"	5½	10
72390	-	1/2"	6	10
72392	-	1/2"	6½	10
72394	-	1/2"	7	10
72396	-	1/2"	8	10

UNRC Part Number UNIFIED 2A THREAD FIT TPI - 7	UNRF Part Number TPI - 12	Dia. (in.)	Length (in.)	Unit
72400	-	1¼"	3	1
72402	-	1¼"	3½	1
72404	-	1¼"	4	1
72406	-	1¼"	4½	1
72408	-	1¼"	5	1
72410	-	1¼"	5½	1
72412	-	1¼"	6	1
72414	-	1¼"	6½	1
72416	-	1¼"	7	1
72418	-	1¼"	8	1
72420	-	1¼"	9	1
72422	-	1¼"	10	1
72424	-	1¼"	11	1

UNRC Part Number UNIFIED 2A THREAD FIT TPI - 6	UNRF Part Number TPI - 12	Dia. (in.)	Length (in.)	Unit
72428	-	1½"	3½	1
72430	-	1½"	4	1
72432	-	1½"	4½	1
72434	-	1½"	5	1
72436	-	1½"	5½	1
72438	-	1½"	6	1
72440	-	1½"	6½	1
72442	-	1½"	7	1
72444	-	1½"	8	1

Socket Head Cap Screws

Socket Head Cap Screws
1960 Series Head Type



- UNC (USS) or UNF (SAE)
- Meets ASTM A574 specifications
- Medium carbon alloy steel
- Through-hardened
- 180,000 psi minimum tensile strength for ¼" diameter and smaller 170,000 psi minimum tensile strength for ¼" diameter and larger
- Non-plated

UNC Part No. TPI-*	UNF Part No. TPI-80	Dia. (in.)	Length (in.)	Unit
*	80180	No. 0	1/8	100
*	80182	No. 0	3/16	100
*	80133	No. 0	1/4	100
*	48410†	No. 0	5/16	100
*	48184	No. 0	3/8	100
*	48411†	No. 0	1/2	100

UNC Part No. TPI-64	UNF Part No. TPI-72	Dia. (in.)	Length (in.)	Unit
*	48186	No. 1	1/4	100
48415†	48420†	No. 1	5/16	100
48416†	48421†	No. 1	3/8	100
48417†	48422†	No. 1	7/16	100
48418†	48423†	No. 1	1/2	100
*	48424†	No. 1	5/8	100

UNC Part No. TPI-56	UNF Part No. TPI-64	Dia. (in.)	Length (in.)	Unit
48425†	*	No. 2	1/2	100
93570-3/16	48435†	No. 2	5/16	100
93570-1/4	48436†	No. 2	3/8	100
48426†	*	No. 2	5/16	100
93570-3/8	48437†	No. 2	7/16	100
48427†	*	No. 2	1/2	100
93570-1/2	48438†	No. 2	5/8	100
48428†	48439†	No. 2	3/4	100
48429†	*	No. 2	7/8	100
48430†	*	No. 2	1	100
48431†	*	No. 2	1	100

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No. TPI-48	UNF Part No. TPI-56	Dia. (in.)	Length (in.)	Unit
48440†	48450†	No. 3	1/8	100
33571	43451†	No. 3	5/16	100
33571-1	48452†	No. 3	1/4	100
48441†	"	No. 3	5/16	100
33571-2	48453†	No. 3	3/8	100
33571-3	48454†	No. 3	1/2	100
48442†	48455†	No. 3	5/8	100
43443†	48456†	No. 3	3/4	100
48444†	"	No. 3	7/8	100
48445†	48457†	No. 3	1	100

UNC Part No. TPI-40	UNF Part No. TPI-48	Dia. (in.)	Length (in.)	Unit
33572	"	No. 4	1/8	100
33572-1	40190	No. 4	3/16	100
33572-1/4	40191	No. 4	1/4	100
33572-2	40192	No. 4	5/16	100
33572-3/8	40193	No. 4	3/8	100
48460†	"	No. 4	7/16	100
33572-1/2	40194	No. 4	1/2	100
33572-5/8	40195	No. 4	5/8	100
33572-3/4	40196	No. 4	3/4	100
33572-3	"	No. 4	7/8	100
33572-4	"	No. 4	1	100
33572-5	"	No. 4	1 1/4	100
48461†	"	No. 4	1 1/2	100
48462†	"	No. 4	1 3/4	100
48463†	"	No. 4	2	100

UNC Part No. TPI-40	UNF Part No. TPI-44	Dia. (in.)	Length (in.)	Unit
48470†	"	No. 5	1/8	100
48471†	"	No. 5	3/16	100
33573-1/4	48480†	No. 5	1/4	100
48472†	"	No. 5	5/16	100
33573-3/8	48481†	No. 5	3/8	100
48473†	"	No. 5	7/16	100
33573-1/2	48482†	No. 5	1/2	100
33573-5/8	48483†	No. 5	5/8	100
33573-3/4	48484†	No. 5	3/4	100
48473-1†	"	No. 5	1	100
"	"	No. 5	1 1/4	100
48476†	"	No. 5	1 1/2	100
48477†	"	No. 5	2	100

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia. (in.)	Length (in.)	Unit
48445†	"	No. 6	1/8	100
33574-1	48490†	No. 6	3/16	100
33575	40200	No. 6	1/4	100
33575-1	48491†	No. 6	5/16	100
33576	40201	No. 6	3/8	100
33576-1	48492†	No. 6	7/16	100
33577	40202	No. 6	1/2	100
33578	40203	No. 6	5/8	100
33579	40203-1	No. 6	3/4	100
33579-1	40204	No. 6	7/8	100
33580	48494†	No. 6	1	100
33580-1	"	No. 6	1 1/4	50
33580-2	"	No. 6	1 1/2	50
48486†	"	No. 6	1 3/4	100

UNC Part No. TFI-32	UNF Part No. TPI-48	Dia. (in.)	Length (in.)	Unit
48487†	"	No. 6	2	100

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia. (in.)	Length (in.)	Unit
48495†	"	No. 8	1/8	100
48496†	"	No. 8	5/16	100
33582	—	No. 8	1/2	50
—	48505†	No. 8	1/4	100
48497†	"	No. 8	5/16	100
33583	—	No. 8	3/8	50
—	40205	No. 8	3/8	100
48498†	"	No. 8	7/16	100
33584	—	No. 8	1/2	50
—	40207	No. 8	1/2	100
33585	—	No. 8	5/8	50
—	48506†	No. 8	5/8	100
33586	—	No. 8	3/4	50
—	40208	No. 8	3/4	100
33586-1	48507†	No. 8	7/8	100
33587	—	No. 8	1	50
—	48508†	No. 8	1	100
33588	—	No. 8	1 1/4	50
—	48509†	No. 8	1 1/4	100
33588-1	—	No. 8	1 1/2	50
—	48510†	No. 8	1 1/2	100
33588-2	"	No. 8	1 3/4	50
33588-3	"	No. 8	2	50
48499†	"	No. 8	2 1/4	100
33588-5	"	No. 8	2 1/2	25
48500†	—	No. 8	2 3/4	100
48501†	—	No. 8	3	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia. (in.)	Length (in.)	Unit
33589	40209	No. 10	3/16	100
33589-2	40209-1	No. 10	1/4	100
48515†	40209-2	No. 10	5/16	100
33589-1	40210	No. 10	3/8	50
48516†	40210-1†	No. 10	7/16	100
33590	40211	No. 10	1/2	50
33591	40212	No. 10	5/8	50
33592	40213	No. 10	3/4	50
33592-1	40213-1	No. 10	7/8	50
33593	40214	No. 10	1	50
48517†	48525†	No. 10	1 1/8	100
33593-1	40215	No. 10	1 1/4	50
33594	40216	No. 10	1 1/8	50
33595	40216-13/4	No. 10	1 3/4	50
33596	40216-2	No. 10	2	50
33597	40216-3	No. 10	2 1/4	25
33597-1	40216-4	No. 10	2 1/2	25
33597-2	40216-5	No. 10	2 3/4	25
33597-3	40216-6	No. 10	3	25
48518	48526†	No. 10	3 1/4	25
48519	48527†	No. 10	3 1/2	25
48520†	48528†	No. 10	4	25

UNC Part No. TPI-24	UNF Part No. TFI-28	Dia. (in.)	Length (in.)	Unit
48530†	48540†	No. 12	3/8	100
48531†	48541†	No. 12	1/2	100
48532†	48542†	No. 12	5/8	100
48533†	48543†	No. 12	3/4	100
48534†	48544†	No. 12	1	100
48535†	48545†	No. 12	1 1/4	100

UNC Part No. TPI-24	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
48536†	48546†	No. 12	1 1/2	100
48537†	"	No. 12	1 3/4	100
48538†	"	No. 12	2	100

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
33593	40216-7	1/4	3/4	100
KP25097	"	1/4	5/16	25
33593-9	40216-9	1/4	3/8	50
KP25098	"	1/4	7/16	25
33600	40217	1/4	1/2	50
33601	40217-1	1/4	5/8	50
33602	40218	1/4	3/4	50
33603	40218-1	1/4	7/8	50
33604	40219	1/4	1	50
KP25099	"	1/4	1 1/8	25
33605	40220	1/4	1 1/4	50
KP25100	"	1/4	1 3/8	25
33606	40221	1/4	1 1/2	50
33607	40222	1/4	1 3/4	50
KP25097	"	1/4	1 3/4	25
33608	40223	1/4	2	50
33609	40224	1/4	2 1/4	50
33610	—	1/4	2 1/2	50
—	40225	1/4	2 1/2	25
33611	"	1/4	2 3/4	50
33612	—	1/4	3	50
—	40226	1/4	3	25
33612-1	"	1/4	3 1/4	50
33613	"	1/4	3 1/2	50
33614	"	1/4	4	50
33614-2	"	1/4	4 1/2	25
33614-3	"	1/4	5	10
33614-4	"	1/4	5 1/2	10
33614-5	"	1/4	6	10

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
33614-1	"	5/16	3/4	50
33615-1	40227-1	5/16	7/8	50
33616-1	—	5/16	1	50
—	40228	5/16	1 1/4	100
33617-1	40228-1	5/16	1 1/2	50
33618-1	—	5/16	1 3/4	50
—	40229	5/16	2	100
33619-1	40229-1	5/16	1	50
33620-1	40230-1	5/16	1 1/4	50
KP33620-1	"	5/16	1 1/4	25
33621-1	40231-1	5/16	1 1/2	50
33622-1	40232-1	5/16	1 3/4	50
33623-1	40233-1	5/16	2	50
33624-1	40234-1	5/16	2 1/4	25
33625-1	40235-1	5/16	2 1/2	25
33626-1	"	5/16	2 3/4	25
33627-1	40235-2	5/16	3	25
33627-2	"	5/16	3 1/4	25
33628-1	—	5/16	3 1/2	25
—	40235-4	5/16	3 1/2	10
33628-2	"	5/16	3 3/4	25
33629-1	—	5/16	4	25
—	40235-5	5/16	4	10
33629-2	"	5/16	4 1/2	10
33629-3	"	5/16	5	10
33629-4	"	5/16	5 1/2	10
33629-5	"	5/16	6	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Socket Screws

Continued from previous page

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
33630	40236	5/16	1/2	50
32631	—	5/16	5/8	50
—	40236-1	5/16	5/8	100
33632	40237	3/8	3/4	50
32633	"	3/8	7/8	50
32634	40238	3/8	1	50
33635	40239	3/8	1 1/4	50
33636	40240	3/8	1 1/2	50
MP33636	-	3/8	1 1/2	25
33637	40241	3/8	1 3/4	50
33638	40242	3/8	2	50
MP33638	-	3/8	2	10
33639	40243	3/8	2 1/4	50
33640	40244	3/8	2 1/2	50
MP33640	-	3/8	2 1/2	10
33641	"	3/8	2 3/4	50
33642	40246-1	3/8	3	25
MP33642	-	3/8	3	10
33642-1	"	3/8	3 1/4	25
33642-2	"	3/8	3 1/2	25
40546-1	"	3/8	3 3/4	10
33643	"	3/8	4	10
40546-2	"	3/8	4 1/4	10
33643-1	"	3/8	4 1/2	10
33643-2	40546-6	3/8	5	10
40546-3	"	3/8	5 1/2	10
33643-4	"	3/8	6	10
MP33646	"	3/8	6 1/2	25
40546-4	"	3/8	7	5
40546-5	"	3/8	8	5

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia. (In.)	Length (In.)	Unit
CP33662	"	7/16	1/2	10
33645-1	"	7/16	5/8	25
33645-2	"	7/16	7/8	25
33646-1	—	7/16	1	25
MP33645-1	—	7/16	1	10
—	40247	7/16	1	50
33647-1	—	7/16	1 1/4	25
—	40247-1	7/16	1 1/2	50
33648-1	40248	7/16	1 1/2	25
MP33648-1	"	7/16	1 1/2	10
33649-1	"	7/16	1 3/4	25
33650-1	40249	7/16	2	25
MP33650-1	"	7/16	2	10
33651-1	"	7/16	2 1/4	25
33652-1	"	7/16	2 1/2	25
MP33652-1	"	7/16	2 1/2	10
33653	"	7/16	2 3/4	25
33654-1	"	7/16	3	10
33655-1	"	7/16	3 1/2	10
33656-1	"	7/16	4	10

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (In.)	Length (In.)	Unit
33659	"	1/2	1/2	25
33660	"	1/2	3/4	25
33661	"	1/2	7/8	25
33662	40256	1/2	1	25
MP33662	"	1/2	1	10
33663	40257	1/2	1 1/4	25
33664	40258	1/2	1 1/2	25
MP33664	-	1/2	1 1/2	10
33665	40259	1/2	1 3/4	25
33666	40260	1/2	2	25

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (In.)	Length (In.)	Unit
MP33666	-	1/2	2	10
33667	40261	1/2	2 1/4	25
33668	40262	1/2	2 1/2	25
MP33668	-	1/2	2 1/2	10
33669	"	1/2	2 3/4	25
33670	40263	1/2	3	10
33671	"	1/2	3 1/4	10
33672	"	1/2	3 1/2	10
33674	"	1/2	4	10
33675	"	1/2	4 1/2	10
33676	"	1/2	5	10
33677	"	1/2	5 1/2	10
33678	"	1/2	6	10
33678-1	"	1/2	6 1/2	10
33679-1	"	1/2	7	10
33679-2	"	1/2	8	10
40547	"	1/2	9	5
40547-1	"	1/2	10	5
40547-2	"	1/2	11	2
40547-3	"	1/2	12	2

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (In.)	Length (In.)	Unit
33680-1	40265	5/8	1	25
MP33680-1	"	5/8	1	10
33681-1	40266	5/8	1 1/4	25
33682-1	40267	5/8	1 1/2	25
MP33682-1	-	5/8	1 1/2	10
33682-2	40268	5/8	1 3/4	25
33683-1	40269	5/8	2	25
MP33683-1	—	5/8	2	10
33684-1	—	5/8	2 1/4	25
—	40548-5†	5/8	2 1/4	10
33685-1	40270	5/8	2 1/2	25
MP33685-1	-	5/8	2 1/2	10
33685-2	—	5/8	2 3/4	25
—	40548-6†	5/8	2 3/4	10
33686-1	40548-7†	5/8	3	10
33686-2	"	5/8	3 1/4	10
33686-31/2	"	5/8	3 1/2	10
33686-4	40548-9†	5/8	4	10
MP33686-4	-†	5/8	4	5
33686-41/2	"	5/8	4 1/2	10
MP33686-41/2	"	5/8	4 1/2	5
33686-5	"	5/8	5	10
33686-51/2	"	5/8	5 1/2	10
33686-6	"	5/8	6	10
33687-1	"	5/8	6 1/2	10
33688-1	"	3/4	7	5
40548†	"	5/8	7 1/2	5
33689-1	"	5/8	8	5
40548-1†	"	5/8	9	2
40548-2†	"	5/8	10	2
40548-3†	"	5/8	11	2
40548-4†	"	5/8	12	2

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (In.)	Length (In.)	Unit
33690-1	"	3/4	1 1/4	10
33691-1	40549-3†	3/4	1 1/2	10
MP33691-1	-†	3/4	1 1/2	5
33692-1	40549-4†	3/4	1 3/4	10
33693-1	—	3/4	2	10
MP33693-1	—	3/4	2	5
—	40549-5†	3/4	2	5
33694-1	"	3/4	2 1/4	10
33695-1	—	3/4	2 1/2	10
MP33695-1	—	3/4	2 1/2	5

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (In.)	Length (In.)	Unit
—	40549-6†	3/4	2 1/2	5
33696-1	—	3/4	2 3/4	10
—	40549-7†	3/4	2 3/4	5
33697-1	—	3/4	3	10
MP33697-1	—	3/4	3	5
—	40549-8†	3/4	3	5
33697-2	"	3/4	3 1/4	10
33698-1	"	3/4	3 1/2	10
MP33698-1	"	3/4	3 1/2	5
33699-4	—	3/4	4	10
MP33699-4	—	3/4	4	5
—	40549-9†	3/4	4	5
33699-41/2	—	3/4	4 1/2	10
—	40549-10†	3/4	4 1/2	5
33699-5	"	3/4	5	10
33699-51/2	"	3/4	5 1/2	5
33701-1	"	3/4	6	5
33702-1	"	3/4	6 1/2	5
33703-1	"	3/4	7	5
33704-1	"	3/4	8	5
40549†	"	3/4	9	2
40549-1†	"	3/4	10	2
40549-2†	"	3/4	12	2

UNC Part No. TPI-9	UNF Part No. TPI-14	Dia. (In.)	Length (In.)	Unit
33705-1	"	7/8	2	10
33706	"	7/8	2 1/4	10
33707-1	"	7/8	2 1/2	10
33707-2	"	7/8	2 3/4	10
33708-1	"	7/8	3	5
33708-2	"	7/8	3 1/4	5
33708-31/2	"	7/8	3 1/2	5
33709-1	"	7/8	4	5
33709-2	"	7/8	4 1/2	5
33710-5	"	7/8	5	5
33710-1	"	7/8	5 1/2	5
33710-6	"	7/8	6	5
33710-61/2	"	7/8	6 1/2	5
33710-7	"	7/8	7	5
33710-8	"	7/8	8	5

UNC Part No. TPI-8	UNF Part No. TPI-14	Dia. (In.)	Length (In.)	Unit
33711-1	"	1	2	10
33711-2	"	1	2 1/4	10
33712-1	"	1	2 1/2	10
33712-2	"	1	2 3/4	10
33713-1	581838	1	3	10
33713-2	"	1	3 1/4	10
33714-1	"	1	3 1/2	10
33715-1	"	1	4	5
33716-1	"	1	4 1/2	5
33717-5	"	1	5	5
33717-51/2	"	1	5 1/2	5
33718-6	"	1	6	5
33718-7	"	1	6 1/2	5
33719	"	1	7	5
33720	"	1	8	5

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (In.)	Length (In.)	Unit
581863	"	1 1/8	2 1/2	2
581859	"	1 1/8	4	2

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No. TPI-7	UNF Part No. TPI-12	Dia. (In.)	Length (In.)	Unit
33721	"	1¼	3	2
33721-1	"	1¼	3½	2
33721-2	"	1¼	4	2
33721-3	"	1¼	4½	2
33721-4	"	1¼	5	2
33721-5	"	1¼	5½	2
33721-6	"	1¼	6	2
33721-7	"	1¼	7	2
33721-8	"	1¼	8	2
*33722	"	1¼	10	2

UNC Part No. TPI-6	UNF Part No. TPI-12	Dia. (In.)	Length (In.)	Unit
33722-1	"	1½	3½	1
33722-2	"	1½	4	1
*33722-3	"	1½	4½	1
33722-4	"	1½	5	1
33722-5	"	1½	6	1
33722-7	"	1½	8	1
33722-8	"	1½	9	1

† Bowman semi-standard socket products are offered in lengths that are not normally stocked by the industry. Pricing will vary.
*Canada only

Socket Low Head Cap Screws



- UNC (USS) or UNF (SAE)
- Medium carbon alloy steel
- Through-hardened
- Non-plated

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (In.)	Unit
33400	"	No. 8	3/8	100
33401	"	No. 8	1/2	100
33402	"	No. 8	5/8	100
33403	"	No. 8	3/4	100
33404	"	No. 8	1	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
33405	33410	No. 10	3/8	100
33406	33411	No. 10	1/2	100
33407	33412	No. 10	5/8	100
33408	33413	No. 10	3/4	100
33409	33414	No. 10	1	100

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (In.)	Unit
33415	"	1/4	3/8	100
33416	"	1/4	1/2	100
33417	"	1/4	5/8	100
33418	"	1/4	3/4	100
33419	"	1/4	1	100
KP10161	"	1/4	1¼	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
33420	"	5/16	1/2	100
33421	"	5/16	3/4	100
33422	"	5/16	1	100
33423	"	5/16	1¼	100
33424	"	5/16	1½	100

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
33425	"	3/8	1/2	50
33426	"	3/8	3/4	50
33427	"	3/8	1	50
33428	"	3/8	1¼	50
33429	"	3/8	1½	50

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia.	Length (In.)	Unit
33430	"	1/2	1	25
33431	"	1/2	1¼	25
33432	"	1/2	1½	25

* Item not available

Socket Head Cap Screws with Nylon Locking Pellet

1960 Series Head Type



- UNC (USS) or UNF (SAE)
- Meets ASTM A574 specifications
- With pellet, meets MIL-F-18240 specifications
- Medium carbon alloy steel
- Through-hardened
- Nylon 11 pellet
- Non-plated

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
"	40210-P	No. 10	3/8	25
"	40211-P	No. 10	1/2	25
"	40212-P	No. 10	5/8	25
"	40214-P	No. 10	1	25
"	40215-P	No. 10	1¼	25

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (In.)	Unit
33603-P	"	1/4	1/2	25
33601-P	"	1/4	5/8	25
33602-P	"	1/4	3/4	25
33621-P	"	1/4	1	25
33605-P	"	1/4	1¼	25
*33606-P	"	1/4	1½	25
*33607-P	"	1/4	1¾	25
33608-P	"	1/4	2	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
33616-1P	"	5/16	5/8	25
33617-1P	"	5/16	3/4	25
33618-1P	"	5/16	1	25
33620-1P	"	5/16	1¼	25
33621-1P	"	5/16	1½	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
*33622-1P	"	5/16	1¾	25
*33623-1P	"	5/16	2	25
*33625-1P	"	5/16	2½	25
*33627-1P	"	5/16	3	25

UNC Part No. TPI-16	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
33632-P	"	3/8	3/4	25
33634-P	"	3/8	1	25
33635-P	"	3/8	1¼	25
33636-P	"	3/8	1½	25
33637-P	"	3/8	1¾	25
33638-P	"	3/8	2	25
*33639-P	"	3/8	2¼	25
*33640-P	"	3/8	2½	25
*33642-P	"	3/8	3	25

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia.	Length (In.)	Unit
33662-P	"	1/2	1	10
33663-P	"	1/2	1¼	10
33664-P	"	1/2	1½	10
33666-P	"	1/2	2	10
33667-P	"	1/2	2½	10
33668-P	"	1/2	2½	10
33670-P	"	1/2	3	10

*Item not available

Allenuts



- Course and fine threads (UNC/UNF)
- Heat-treated steel

Part No.	Dia. (In.)	Key Size (In.)	Unit
04032	4-40	1/8	100
05034	5-40	1/8	100
06036	6-32	5/32	100
08038	8-32	5/16	100
06040	10-24	5/16	100
07050	10-32	5/16	100
06042	1/4-20	1/4	100
07052	1/4-28	1/4	100
06044	5/16-18	5/16	100
07054	5/16-24	5/16	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Socket Screws

Continued from previous page

Part No.	Dia. (in.)	Key Size (in.)	Unit
05046	3/8-16	3/8	100
07036	5/16-24	5/16	100
05048	5/16-14	7/16	50
07038	5/16-20	5/16	50
05050	1/2-13	1/2	50
07040	1/2-20	1/2	50
06052	5/8-11	5/8	50
07042	5/8-18	5/8	50
05054	3/4-10	3/4	50
07044	3/4-16	3/4	50
05056	7/8-9	7/8	25
07046	7/8-14	7/8	25
06058	1-8	1	25
07048	1-14	1	25

Socket Head Cap Screw Flat Washers Through Hardened

- Use with socket head cap screws to improve the bearing surface in most applications
- Made from 1050 spring steel, C40-45 hardness
- Plain finish

Part No.	Size (in.)	I.D. (in.)	O.D. (in.)	Thick (in.)	Unit
3610000	No. 6	.143-.153	.218-.230	.022-.028	250
3610001	No. 8	.183-.193	.262-.272	.022-.028	250
3610002	No. 10	.212-.222	.303-.312	.022-.028	250
3610003	1/4	.278-.288	.365-.395	.034-.039	100
3610004	5/16	.346-.356	.457-.490	.034-.039	100
3610005	3/8	.415-.425	.550-.582	.014-.051	100
3610006	7/16	.483-.493	.642-.676	.014-.051	50
3610007	1/2	.552-.562	.735-.770	.057-.063	50
3610008	5/8	.689-.699	.921-.958	.071-.082	25
3610009	3/4	.828-.838	1.107-1.145	.112-.127	25
3610010	7/8	.963-.973	1.293-1.332	.112-.127	10
3610011	1	1.10-1.11	1.479-1.52	.112-.127	10
3610012	1 1/4	1.36-1.367	1.852-1.875	.112-.127	10

Bowmalloy

Bowmalloy Flat Socket Cap Screws





The flat head allows for flush mounting, minimal head exposure, and a better appearance as well as a hex socket head for limited head access, easy installation in recessed applications and resistance to stripping in high-torque applications. They also feature a countersunk shoulder that ensures centering and maximizes bearing surface.

Specifications:

- 160,000 psi minimum tensile strength
- UNC coarse thread and UNF fine thread
- Made in the U.S.A
- Black natural finish

UNC Part No. TPI-40	UNF Part No. TPI-	Dia.	Length (in.)	Unit
C725022	"	No. 4	1/4	100
C725024	"	No. 4	3/8	100
▫C725026	"	No. 4	1/2	100
▫C725030	"	No. 4	5/8	100

UNC Part No. TPI-32	UNF Part No. TPI-	Dia.	Length (in.)	Unit
C725062	"	No. 6	1/4	100
C725064	"	No. 6	3/8	100
C725066	"	No. 6	1/2	100
▫C725068	"	No. 6	5/8	100
▫C725070	"	No. 6	3/4	100

UNC Part No. TPI-32	UNF Part No. TPI-	Dia.	Length (in.)	Unit
C725104	"	No. 8	3/8	100
C725106	"	No. 8	1/2	100
C725108	"	No. 8	5/8	100
C725110	"	No. 8	3/4	100
▫C725114	"	No. 8	1	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (in.)	Unit
C725152	C725153	No. 10	3/8	100
C725154	C725155	No. 10	1/2	100
C725156	C725157	No. 10	5/8	100
C725158	C725159	No. 10	3/4	100
C725162	C725163	No. 10	1	100
C725164	▫C725165	No. 10	1 - 1/4	100
C725166	C725167	No. 10	1 - 1/2	100

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (in.)	Unit
C725202	▫C725203	1/4	3/8	100
C725204	C725205	1/4	1/2	100
C725206	C725207	1/4	5/8	100
C725208	C725209	1/4	3/4	100
C725212	C725213	1/4	1	100
C725214	C725215	1/4	1 - 1/4	100
C725216	C725217	1/4	1 - 1/2	100
C725220	"	1/4	2	100

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (in.)	Unit
C725252	C725253	5/16	3/8	100
▫C725254	▫C725255	5/16	1/2	100
C725256	C725257	5/16	5/8	100
C725260	▫C725261	5/16	1	100
C725262	▫C725263	5/16	1 - 1/4	100
C725264	"	5/16	1 - 1/2	100
C725266	"	5/16	1 - 3/4	100
C725269	"	5/16	2	100
▫C725270	"	5/16	2 - 1/4	100
C725272	"	5/16	2 - 1/2	100

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia.	Length (in.)	Unit
C725306	C725307	3/8	3/4	100
C725310	C725311	3/8	1	100
C725312	C725313	3/8	1 - 1/4	100
C725314	C725315	3/8	1 - 1/2	100
C725316	"	3/8	1 - 3/4	100
C725318	"	3/8	2	100
▫C725320	"	3/8	2 - 1/4	100
C725322	"	3/8	2 - 1/2	100

UNC Part No. TPI-14	UNF Part No. TPI-	Dia.	Length (in.)	Unit
C725404	"	1/4	3/4	100
C725410	"	1/4	1	100
C725410	"	1/4	1 - 1/4	50

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia.	Length (in.)	Unit
C725504	C725505	1/2	3/4	100
C725508	C725509	1/2	1	100
C725510	C725511	1/2	1 - 1/4	50
C725512	C725513	1/2	1 - 1/2	50
C725514	C725515	1/2	1 - 3/4	50
C725516	C725517	1/2	2	50
C725520	"	1/2	2 - 1/2	25
C725524	"	1/2	3	25

UNC Part No. TPI-11	UNF Part No. TPI-	Dia.	Length (in.)	Unit
C725606	"	5/8	1 - 1/4	25
C725610	"	5/8	1 - 1/2	25
C725612	"	5/8	1 - 3/4	25
C725614	"	5/8	2	25
C725618	"	5/8	2 - 1/2	25
C725622	"	5/8	3	25

UNC Part No. TPI-10	UNF Part No. TPI-	Dia.	Length (in.)	Unit
C725710	"	3/4	1 - 1/2	25
C725714	"	3/4	2	25
C725722	"	3/4	3	25

Flat Socket Head Cap Screws

Socket Flat Countersunk Head Cap Screws







- UNC (USS) or UNF (SAE)
- Meets ASTM F835 specifications
- Medium carbon alloy steel
- Through-hardened
- Non-plated

UNC Part No. TPI-*	UNF Part No. TPI-**	Dia.	Length (in.)	Unit
"	▫432504†	No. 0	1/2	100
"	▫432914†	No. 0	5/16	100
"	▫433924†	No. 0	1/4	100
"	▫432934†	No. 0	5/16	100
"	▫433944†	No. 0	3/8	100
"	▫432954†	No. 0	1/2	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No. TPI-*	UNF Part No. TPI-72	Dia.	Length (In.)	Unit
*	*48300†	No. 1	1/8	100
*	*48301†	No. 1	3/16	100
*	*48302†	No. 1	1/4	100
*	*48303†	No. 1	5/16	100
*	*48304†	No. 1	3/8	100
*	*48305†	No. 1	1/2	100
*	*48306†	No. 1	5/8	100

UNC (USS) Part No. TPI-56	UNF (SAE) Part No. TPI-64	Dia.	Length (In.)	Unit
*48310†	*	No. 2	1/8	100
*48311†	*	No. 2	3/16	100
*48312†	*	No. 2	1/4	100
*48313†	*	No. 2	5/16	100
*48314†	*	No. 2	3/8	100
*48315†	*	No. 2	1/2	100
*48316†	*	No. 2	5/8	100
*48317†	*	No. 2	3/4	100
*48318†	*	No. 2	7/8	100
*48319†	*	No. 2	1	100

UNC Part No. TPI-48	UNF Part No. TPI-56	Dia.	Length (In.)	Unit
*48320†	*	No. 3	3/16	100
*48321†	*	No. 3	1/4	100
*48322†	*	No. 3	5/16	100
*48323†	*	No. 3	3/8	100
*48324†	*	No. 3	1/2	100
*48325†	*	No. 3	5/8	100
*48326†	*	No. 3	3/4	100
*48327†	*	No. 3	1	100

UNC Part No. TPI-40	UNF Part No. TPI-48	Dia.	Length (In.)	Unit
48330†	*	No. 4	3/16	100
36035	48335†	No. 4	1/4	100
48331†	*	No. 4	5/16	100
36036	*48336†	No. 4	3/8	100
48332†	*	No. 4	7/16	100
36037	*48337†	No. 4	1/2	100
36089	*	No. 4	5/8	100
36090	*48339†	No. 4	3/4	100
36091	*	No. 4	7/8	100
36092	*48343†	No. 4	1	100
*48333†	*	No. 4	1 1/4	100

UNC Part No. TPI-40	UNF Part No. TPI-44	Dia.	Length (In.)	Unit
36093	*	No. 5	1/4	100
36094	*	No. 5	5/16	100
36095	*	No. 5	1/2	100
36096	*	No. 5	5/8	100
36097	*	No. 5	3/4	100
*48345†	*	No. 5	1	100

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (In.)	Unit
*48350†	*	No. 6	3/16	100
36097-5	*48360†	No. 6	1/4	100
48351†	*	No. 6	5/16	100
36097-6	*48361†	No. 6	3/8	100
*48352†	*	No. 6	7/16	100
36900	*48362†	No. 6	1/2	100
36900-1	*48363†	No. 6	5/8	100

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (In.)	Unit
36901	*48364†	No. 6	3/4	100
48353†	*	No. 6	7/8	100
48354†	*48365†	No. 6	1	100
48355†	*	No. 6	1 1/4	100
48356†	*	No. 6	1 1/2	100
*48357†	*	No. 6	1 3/4	100
48358†	*	No. 6	2	100

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia.	Length (In.)	Unit
48370†	*	No. 8	1/4	100
48371†	*	No. 8	5/16	100
36902	*48380†	No. 8	3/8	100
*48372†	*	No. 8	7/16	100
36903	*48381†	No. 8	1/2	100
36903-1	*48382†	No. 8	5/8	100
36904	*48383†	No. 8	3/4	100
48373†	*	No. 8	7/8	100
36905	*48384†	No. 8	1	100
48374†	*	No. 8	1 1/4	100
48375†	*	No. 8	1 1/2	100
48376†	*	No. 8	1 3/4	100
48377†	*	No. 8	2	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
48390†	48400†	No. 10	1/4	100
48391†	48401†	No. 10	5/16	100
36905-5	36938-5	No. 10	3/8	100
48392†	48402†	No. 10	7/16	100
36905	36907	No. 10	1/2	100
36905-1	36907-1	No. 10	5/8	100
36907	36910	No. 10	3/4	100
48393†	48403†	No. 10	7/8	100
36908	36911	No. 10	1	100
36908-1	36912	No. 10	1 1/4	100
36908-2	36913	No. 10	1 1/2	100
48394†	48404†	No. 10	1 3/4	100
48395†	48405†	No. 10	2	100
*48396†	*48406†	No. 10	2 1/4	100
48397†	*48407†	No. 10	2 1/2	100
48398†	*48408†	No. 10	3	100

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (In.)	Unit
36811-1	36863	1/4	3/8	25
36812	36871-1	1/4	1/2	25
36813	36871	1/4	5/8	25
36814	36871-2	1/4	3/4	25
36815	36871-3	1/4	1	25
36816	36871-4	1/4	1 1/4	25
36817	36871-5	1/4	1 1/2	25
36817-1	*	1/4	1 3/4	25
36818	36871-7	1/4	2	25
36818-1	*	1/4	2 1/4	25
36818-2	*	1/4	2 1/2	25
36819	*	1/4	3	25
36820	*	1/4	3 1/2	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
36821	36872-1	5/16	1/2	25
36822	36872-5	5/16	3/4	25
36823	36872-2	5/16	1	25
36823-1	*	5/16	1 1/4	25
36824	36872-3	5/16	1	25
36825	36872-4	5/16	1 1/4	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
36826	36872-6	5/16	1 1/2	25
36826-1	*	5/16	1 3/4	25
36827	*	5/16	2	25
36827-1	*	5/16	2 1/4	25
36827-2	*	5/16	2 1/2	25
36828	*	5/16	3	25

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
36831	*	3/8	1/2	25
36832	36872-7	3/8	5/8	25
36833	36873	3/8	3/4	25
36834	36874	3/8	1	25
36835	36875	3/8	1 1/4	25
36836	36876	3/8	1 1/2	25
36837	*	3/8	1 3/4	25
36838	*	3/8	2	25
36839	*	3/8	2 1/4	25
36840	*	3/8	2 1/2	25
36842	*	3/8	3	25
48403-1†	*	3/8	3 1/2	25
48403-2†	*	3/8	4	10

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia.	Length (In.)	Unit
36845	*	7/16	3/4	25
36846	*	7/16	1	25
36847	*	7/16	1 1/4	25
36848	*	7/16	1 1/2	25

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia.	Length (In.)	Unit
36853	36878	1/2	3/4	10
36854	36879	1/2	1	10
36855	36880	1/2	1 1/4	10
36856	36881	1/2	1 1/2	10
36857	36882	1/2	1 3/4	10
36858	36883	1/2	2	10
36859	*	1/2	2 1/4	10
36860	*	1/2	2 1/2	10
36862	*	1/2	3	10
48409-3†	*	1/2	3 1/2	10
*CDS63126	*	1/2	4	25

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia.	Length (In.)	Unit
36864-1	*	5/8	1	10
36864	*	5/8	1 1/4	10
36865	*	5/8	1 1/2	10
36866	*	5/8	1 3/4	10
36867	*	5/8	2	10
36868	*	5/8	2 1/4	10
36869	*	5/8	2 1/2	10
MP58112	*	5/8	2 3/4	10
36869-3	*	5/8	3	10
*CDS64027	*	5/8	3 1/2	25

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia.	Length (In.)	Unit
36870	*	3/4	1 1/4	10
36870-1	*	3/4	1 1/2	10
36870-2	*	3/4	1 3/4	10
36870-3	*	3/4	2	10
36870-6	*	3/4	2 1/4	10
36870-4	*	3/4	2 1/2	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Socket Screws

Continued from previous page

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia.	Length (In.)	Unit
35870-5	*	¾	3	10
48399-4†	*	¾	3½	5
48399-5†	*	¾	4	5

UNC Part No. TPI-9	UNF Part No. TPI-14	Dia.	Length (In.)	Unit
48409-4†	*	⅛	2½	5
48409-7†	*	⅛	3	5
48409-8†	*	⅛	3½	5
48409-9†	*	⅛	4	5

†Bowman semi-standard socket products are offered in lengths that are not normally stocked by the industry. Pricing will vary.
*Item not available
+Canada only

Socket Flat Countersunk Head Cap Screws with Nylon Locking Pellet



- UNC (USS) or UNF (SAE)
- Meets ASTM F835 specifications
- With pellet, meets MIL-F-18240 specifications
- Medium carbon alloy steel
- Through-hardened
- Nylon 11 pellet
- Non-plated

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
*	35809-P	No. 10	½	25

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (In.)	Unit
35812-P	*	¼	½	25
35813-P	*	¼	⅝	25
35814-P	*	¼	¾	25

*Item not available

Bowmalloy

Bowmalloy Button Socket Head Cap Screws



The button head allows for low-profile fastening and a better appearance as well as a hex socket head for limited head access and resistance to stripping in high-torque applications.

Specifications:

- 160,000psi minimum tensile strength
- UNC coarse thread and UNF fine thread
- Black natural finish

UNC Part No. TPI-40	UNF Part No. TPI	Dia.	Length (In.)	Unit
C725022	*	No. 4	¼	100
*C725024	*	No. 4	⅜	100
*C725026	*	No. 4	½	100

UNC Part No. TPI-32	UNF Part No. TPI	Dia.	Length (In.)	Unit
C725032	*	No. 6	¼	100
C725034	*	No. 6	⅜	100
C725036	*	No. 6	½	100

UNC Part No. TPI-32	UNF Part No. TPI	Dia.	Length (In.)	Unit
C725102	*	No. 8	¼	100
C725104	*	No. 8	⅜	100
C725106	*	No. 8	½	100
C725110	*	No. 8	¾	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
	C723151	No. 10	¼	100
C723152	C723153	No. 10	⅜	100
C723154	C723155	No. 10	½	100
C723156	C723157	No. 10	¾	100
C723158	C723159	No. 10	¾	100
*C723160	*	No. 10	1	50
*C723162	C723163	No. 10	1	50

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (In.)	Unit
C723202	*	¼	⅜	100
C723204	C723205	¼	½	100
C723206	C723207	¼	⅝	100
C723208	C723209	¼	¾	100
C723210	*	¼	⅞	50
C723212	*C723213	¼	1	50

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
C723252	*C723253	5/16	½	100
C723254	*	5/16	⅝	100
C723256	*C725257	5/16	¾	100
*C723258	*	5/16	⅞	50
C723260	C723261	5/16	1	50

UNC Part No. TPI-16	UNF Part No. TPI-	Dia.	Length (In.)	Unit
*C723302	*	⅜	½	50
*C723304	*	⅜	⅝	50
C723306	*	⅜	¾	50
C723310	*	⅜	1	50
*C723312	*	⅜	1 - ¼	50

Button Socket Cap Screws

Socket Button Head Cap Screws



- UNC (USS) or UNF (SAE)
- Medium carbon alloy steel
- Through-hardened
- Non-plated
- Meets ASTM F835 specifications

UNC Part No. TPI-*	UNF Part No. TPI-80	Dia.	Length (In.)	Unit
*	*48200†	No. 0	⅛	100
*	*48201†	No. 0	3/16	100
*	*48202†	No. 0	¼	100
*	*48203†	No. 0	⅜	100

UNC Part No. TPI-*	UNF Part No. TPI-72	Dia.	Length (In.)	Unit
*	*48210†	No. 1	⅛	100
*	*48211†	No. 1	3/16	100
*	*48212†	No. 1	¼	100
*	*48213†	No. 1	5/16	100
*	*48214†	No. 1	⅜	100
*	*48215†	No. 1	½	100
*	*48216†	No. 1	⅝	100

UNC Part No. TPI-56	UNF Part No. TPI-64	Dia.	Length (In.)	Unit
*48220†	*	No. 2	⅛	100
*48221†	*	No. 2	3/16	100
*48222†	*	No. 2	¼	100
*48223†	*	No. 2	5/16	100
*48224†	*	No. 2	⅜	100
*48225†	*	No. 2	½	100
*48226†	*	No. 2	⅝	100
*48227†	*	No. 2	¾	100
*48228†	*	No. 2	1	100

UNC Part No. TPI-48	UNF Part No. TPI-56	Dia.	Length (In.)	Unit
*48230†	*	No. 3	3/16	100
*48231†	*	No. 3	¼	100
*48232†	*	No. 3	5/16	100
*48233†	*	No. 3	⅜	100
*48234†	*	No. 3	½	100
*48235†	*	No. 3	⅝	100
*48236†	*	No. 3	¾	100
*48237†	*	No. 3	1	100

UNC Part No. TPI-40	UNF Part No. TPI-48	Dia.	Length (In.)	Unit
40855-2	*	No. 4	3/16	100
40855	*	No. 4	¼	100
40855-3	*	No. 4	5/16	100
40855-1	*	No. 4	⅜	100
40855-4	*	No. 4	7/16	100
40856	*	No. 4	½	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No. TPI-40	UNF Part No. TPI-48	Dia.	Length (in.)	Unit
40856-1	"	No. 4	5/16	100
40856-2	"	No. 4	3/8	100
40856-3	"	No. 4	7/16	100
40856-4	"	No. 4	1	100

UNC Part No. TPI-40	UNF Part No. TPI-44	Dia.	Length (in.)	Unit
48240†	"	No. 5	3/8	100
48241†	"	No. 5	7/16	100
48242†	"	No. 5	1/2	100
48243†	"	No. 5	5/8	100
48244†	"	No. 5	3/4	100
48245†	"	No. 5	1	100

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (in.)	Unit
40357-1	"	No. 6	3/16	100
40357	=48255†	No. 6	1/4	100
40357-2	"	No. 6	5/16	100
40858	—	No. 6	3/8	50
—	=48256†	No. 6	3/8	100
40858-1	"	No. 6	7/16	100
40859	=48257†	No. 6	1/2	100
40860	"	No. 6	5/8	50
40860-2	"	No. 6	3/4	100
40360-4	"	No. 6	1	100
48258†	"	No. 6	1 1/4	100
48251†	"	No. 6	1 1/2	100

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia.	Length (in.)	Unit
40362-7	"	No. 8	3/16	100
40862-1	=48265†	No. 8	1/4	100
40860-8	"	No. 8	5/16	100
40861	—	No. 8	3/8	50
—	=48266†	No. 8	3/8	100
40861-1	"	No. 8	7/16	100
40862	—	No. 8	1/2	50
—	=48267†	No. 8	1/2	100
40863	—	No. 8	5/8	50
—	=48268†	No. 8	5/8	100
40863-1	—	No. 8	3/4	50
—	=48269	No. 8	3/4	100
40863-2	"	No. 8	7/8	100
40863-3	=48270†	No. 8	1	100
48260†	"	No. 8	1 1/4	100
48261†	"	No. 8	1 1/2	100
48262†	"	No. 8	1 3/4	100
48263†	"	No. 8	2	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (in.)	Unit
40864	40864-1	No. 10	1/4	100
40864-2	40864-3	No. 10	5/16	100
40865	40865-1	No. 10	3/8	100
40865-2	40865-3	No. 10	7/16	100
40866	40866-2	No. 10	1/2	50
40866-1	40866-3	No. 10	5/8	50
40867	40867-2	No. 10	3/4	50
40867-1	40867-3	No. 10	7/8	50
40868	40868-1	No. 10	1	50
48276†	48288†	No. 10	1 1/4	100
48277†	—	No. 10	1 1/2	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (in.)	Unit
—	40868-7	No. 10	1 1/2	50
48278†	48281†	No. 10	1 3/4	100
=48279	=48282	No. 10	2	100

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (in.)	Unit
40874	40269	1/4	3/8	50
40875	40870-1	1/4	1/2	50
40876	40869-2	1/4	5/8	100
40876-1	"	1/4	3/4	50
40877	40869-3	1/4	3/4	50
40877-1	"	1/4	7/8	50
40878	40869-4	1/4	1	50
40878-3	"	1/4	1 1/4	50
40878-4	"	1/4	1 1/2	50
40878-5	"	1/4	1 3/4	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (in.)	Unit
40878-1	"	5/16	3/8	50
40878-2	40870-1	5/16	1/2	50
40879-1	40870-4	5/16	5/8	50
40879-2	40870-2	5/16	3/4	50
40880-1	"	5/16	7/8	50
40881	40870-3	5/16	1	50
40291-1	"	5/16	1 1/4	50
40291-3	"	5/16	1 1/2	50

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia.	Length (in.)	Unit
40882	40870-5	3/8	1/2	50
40882-1	"	3/8	5/8	50
40882-2	"	3/8	3/4	50
40883-1	"	3/8	7/8	50
40883-2	40871	3/8	1	50
40884-1	"	3/8	1 1/4	50
40884-2	"	3/8	1 1/2	50
40885-3	"	3/8	1 3/4	50
40884-5	"	3/8	2	50

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia.	Length (in.)	Unit
40885-1	"	1/2	3/4	25
40885	"	1/2	1	25
40886	"	1/2	1 1/4	25
40887	"	1/2	1 1/2	25
40888	"	1/2	2	25

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia.	Length (in.)	Unit
40889	"	5/8	1	25
40889-1	"	5/8	1 1/4	25
40889-2	"	5/8	1 1/2	25
40889-3	"	5/8	2	25

† Bowman semi-standard socket products are offered in lengths that are not normally stocked by the industry. Pricing will vary.
*Item not available.

Socket Button Head Cap Screws with Nylon Locking Pellet



- UNC (USS) or UNF (SAE)
- Meets ASTM F835 specifications
- With pellet, meets MIL-F-18240 specifications
- Medium carbon alloy steel
- Through-hardened
- Nylon 11 pellet
- Non-plated

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia.	Length (in.)	Unit
=40860-1P	"	No. 8	1/4	25
=40861-P	"	No. 8	3/8	25

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (in.)	Unit
"	=40865-1P	No. 10	3/8	25
"	=40866-2P	No. 10	1/2	25
"	=40866-3P	No. 10	5/8	25
"	=40868-1P	No. 10	1	25

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (in.)	Unit
=40874-P	"	1/4	3/8	25
=40875-P	"	1/4	1/2	25
=40876-P	"	1/4	5/8	25
=40877-P	"	1/4	3/4	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (in.)	Unit
=40879-1P	"	5/16	5/8	25
=40879-2P	"	5/16	3/4	25
=40881-P	"	5/16	1	25

*Item not available

Bowmalloy

Bowmalloy Socket Head Shoulder Screws



Specifications:

- 160,000psi minimum tensile strength
- Black natural finish

These high strength screws feature a hex socket head design for improved appearance and easier access plus a precision machined shoulder that ensures roundness. Use them anywhere Stripper Bolts are used as part of a die spring assembly a fastener must pass through a sleeve or bushing to thread.

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Socket Screws

Continued from previous page

Part No.	Thread Size	Shoulder dia. (in.)	Shoulder Length (in.)	Unit
C727202	10 - 24 x 3/16	1/4	3/16	25
C727204	10 - 24 x 3/8	1/4	1/2	25
[R]C727206	10 - 24 x 3/8	1/4	5/8	25
C727208	10 - 24 x 3/8	1/4	3/4	25
C727212	10 - 24 x 3/8	1/4	1	25
C727214	10 - 24 x 3/8	1/4	1 - 1/4	25
C727216	10 - 24 x 3/8	1/4	1 - 1/2	25

Part No.	Thread Size	Shoulder dia. (in.)	Shoulder Length (in.)	Unit
C727250	14 - 20 x 3/16	5/16	3/16	25
C727252	14 - 20 x 3/16	5/16	1/2	25
C727254	14 - 20 x 3/16	5/16	5/8	25
C727256	14 - 20 x 3/16	5/16	3/4	25
C727260	14 - 20 x 3/16	5/16	1	25
C727264	14 - 20 x 3/16	5/16	1 - 1/2	25
C727266	14 - 20 x 3/16	5/16	1 - 3/4	25
C727268	14 - 20 x 3/16	5/16	2	25

Part No.	Thread Size	Shoulder dia. (in.)	Shoulder Length (in.)	Unit
C727300	5/16 - 18 x 1/2	1/4	3/16	25
C727302	5/16 - 18 x 1/2	3/8	1/2	25
C727304	5/16 - 18 x 1/2	3/8	5/8	25
C727306	5/16 - 18 x 1/2	3/8	3/4	25
C727310	5/16 - 18 x 1/2	3/8	1	25
C727312	5/16 - 18 x 1/2	3/8	1 - 1/4	25
C727314	5/16 - 18 x 1/2	3/8	1 - 1/2	25
C727316	5/16 - 18 x 1/2	3/8	1 - 3/4	25
C727318	5/16 - 18 x 1/2	3/8	2	25
C727322	5/16 - 18 x 1/2	3/8	2 - 1/2	25
C727326	5/16 - 18 x 1/2	3/8	3	25
C727330	5/16 - 18 x 1/2	3/8	3 - 1/2	25
C727334	5/16 - 18 x 1/2	3/8	4	25

Part No.	Thread Size	Shoulder dia. (in.)	Shoulder Length (in.)	Unit
C727500	3/8 - 16 x 3/8	1/2	1/2	25
C727502	3/8 - 16 x 3/8	1/2	5/8	25
C727504	3/8 - 16 x 3/8	1/2	3/4	25
C727508	3/8 - 16 x 3/8	1/2	1	25
C727510	3/8 - 16 x 3/8	1/2	1 - 1/4	25
C727512	3/8 - 16 x 3/8	1/2	1 - 1/2	25
C727514	3/8 - 16 x 3/8	1/2	1 - 3/4	25
C727516	3/8 - 16 x 3/8	1/2	2	25
C727520	3/8 - 16 x 3/8	1/2	2 - 1/2	25
C727524	3/8 - 16 x 3/8	1/2	3	25
C727528	3/8 - 16 x 3/8	1/2	3 - 1/2	25
[R]C727532	3/8-16 X 3/8	1/2	4	25
C727534	3/8 - 16 x 3/8	1/2	4 - 1/2	10
C727536	3/8 - 16 x 3/8	1/2	5	10

Part No.	Thread Size	Shoulder dia. (in.)	Shoulder Length (in.)	Unit
C727608	1/2 - 13 x 3/4	5/8	1 - 1/4	25
C727610	1/2 - 13 x 3/4	5/8	1 - 1/2	25
C727612	1/2 - 13 x 3/4	5/8	1 - 3/4	25
C727614	1/2 - 13 x 3/4	5/8	2	25
C727616	1/2 - 13 x 3/4	5/8	2 - 1/4	25
C727618	1/2 - 13 x 3/4	5/8	2 - 1/2	25
C727622	1/2 - 13 x 3/4	5/8	3	25
C727626	1/2 - 13 x 3/4	5/8	3 - 1/2	25
C727643	1/2 - 13 x 3/4	5/8	4	25
[R]C727652	3/8 - 16 x 3/8	1/2	4	25
C727654	1/2 - 13 x 3/4	5/8	5	10
[R]C727656	1/2 - 13 x 3/4	5/8	5 - 1/2	10
C727658	1/2 - 11 x 7/8	5/8	6	10

Part No.	Thread Size	Shoulder dia. (in.)	Shoulder Length (in.)	Unit
C727703	5/8 - 11 x 1/4	3/4	1 - 1/2	25
C727710	5/8 - 11 x 1/4	3/4	1 - 3/4	10
C727712	5/8 - 11 x 1/8	3/4	2	10
[R]C727714	5/8 - 11 x 1/8	3/4	2 - 1/4	10
C727716	5/8 - 11 x 1/8	3/4	2 - 1/2	10
C727718	5/8 - 11 x 1/8	3/4	2 - 3/4	10
C727720	5/8 - 11 x 1/8	3/4	3	10
C727724	5/8 - 11 x 1/8	3/4	3 - 1/2	10
C727728	5/8 - 11 x 1/8	3/4	4	10
C727730	5/8 - 11 x 1/8	3/4	4 - 1/2	10
[R]C727732	5/8 - 11 x 1/8	3/4	5	10
C727734	5/8 - 11 x 1/8	3/4	5 - 1/2	10
C727736	5/8 - 11 x 1/8	3/4	6	10

Socket Head Shoulder Screws

Socket Head Shoulder Screws



- UNC (USS)
- Meets ANSI/ASME B18.3 specifications
- Medium carbon alloy steel
- Through-hardened
- 140,000 psi minimum tensile strength
- Non-plated

Part No.	Thread Size	Shoulder Dia. (in.)	Shoulder Lgth. (in.)	Unit
40759	10-24 x 3/8	1/4	1/4	25
40803	10-24 x 3/8	1/4	3/8	25
40801	10-24 x 3/8	1/4	1/2	25
40801-1	10-24 x 3/8	1/4	5/8	25
40802	10-24 x 3/8	1/4	3/4	25
40828	10-24 x 3/8	1/4	1	25
40803-1	10-24 x 3/8	1/4	1 1/4	25
40803-2	10-24 x 3/8	1/4	1 1/2	25
40830-3	10-24 x 3/8	1/4	1 3/4	10
40833-4	10-24 x 3/8	1/4	2	10

Part No.	Thread Size	Shoulder Dia. (in.)	Shoulder Lgth. (in.)	Unit
40804-3	1/4-20 x 7/16	5/16	1/4	25
40804-2	1/4-20 x 7/16	5/16	3/8	25
40804-1	1/4-20 x 7/16	5/16	1/2	25
40804-1	1/4-20 x 7/16	5/16	5/8	25
40805	1/4-20 x 7/16	5/16	3/4	25
40806	1/4-20 x 7/16	5/16	1	25
40807	1/4-20 x 7/16	5/16	1 1/4	25
40807-1	1/4-20 x 7/16	5/16	1 1/2	25
40807-2	1/4-20 x 7/16	5/16	1 3/4	25
40807-3	1/4-20 x 7/16	5/16	2	25

Part No.	Thread Size	Shoulder Dia. (in.)	Shoulder Lgth. (in.)	Unit
40828	5/16-18 x 1/2	3/8	3/8	25
MP40828	5/16-18 x 1/2	3/8	3/8	10
40809	5/16-18 x 1/2	3/8	1/2	25
MP40809	5/16-18 x 1/2	3/8	1/2	10
40809-1	5/16-18 x 1/2	3/8	5/8	25
40810	5/16-18 x 1/2	3/8	3/4	25
MP40810	5/16-18 x 1/2	3/8	3/4	10
40811	5/16-18 x 1/2	3/8	1	25

Part No.	Thread Size	Shoulder Dia. (in.)	Shoulder Lgth. (in.)	Unit
MP40811	5/16-18 x 1/2	3/8	1	10
40812	5/16-18 x 1/2	3/8	1 1/4	25
MP40812	5/16-18 x 1/2	3/8	1 1/4	10
40813	5/16-18 x 1/2	3/8	1 1/2	25
40813-1	5/16-18 x 1/2	3/8	1 3/4	25
40814	5/16-18 x 1/2	3/8	2	25
40814-1	5/16-18 x 1/2	3/8	2 1/4	25
40814-2	5/16-18 x 1/2	3/8	2 1/2	25
40814-3	5/16-18 x 1/2	3/8	2 3/4	25
40814-4	5/16-18 x 1/2	3/8	3	25
40814-5	5/16-18 x 1/2	3/8	3 1/4	25
40814-6	5/16-18 x 1/2	3/8	3 1/2	25
40814-8	5/16-18 x 1/2	3/8	3 3/4	25
40814-7	5/16-18 x 1/2	3/8	4	25

Part No.	Thread Size	Shoulder Dia. (in.)	Shoulder Lgth. (in.)	Unit
40815	3/8-16 x 5/8	1/2	3/8	25
40816	3/8-16 x 5/8	1/2	1/2	25
MP40816	3/8-16 x 5/8	1/2	1/2	10
40816-1	3/8-16 x 5/8	1/2	5/8	25
40817	3/8-16 x 5/8	1/2	3/4	25
MP40817	3/8-16 x 5/8	1/2	3/4	10
40818	3/8-16 x 5/8	1/2	1	25
MP40818	3/8-16 x 5/8	1/2	1	10
40819	3/8-16 x 5/8	1/2	1 1/4	25
40820	3/8-16 x 5/8	1/2	1 1/2	25
40820-1	3/8-16 x 5/8	1/2	1 3/4	25
40821	3/8-16 x 5/8	1/2	2	25
40821-1	3/8-16 x 5/8	1/2	2 1/4	25
40821-2	3/8-16 x 5/8	1/2	2 1/2	25
40821-3	3/8-16 x 5/8	1/2	2 3/4	25
40821-4	3/8-16 x 5/8	1/2	3	25
40821-5	3/8-16 x 5/8	1/2	3 1/4	25
40835	3/8-16 x 5/8	1/2	3 1/2	25
40836	3/8-16 x 5/8	1/2	3 3/4	25
40835-1	3/8-16 x 5/8	1/2	4	25
40835-2	3/8-16 x 5/8	1/2	4 1/4	25
40835-3	3/8-16 x 5/8	1/2	4 1/2	25
40835-5	3/8-16 x 5/8	1/2	4 3/4	10
40835-6	3/8-16 x 5/8	1/2	5	10

Part No.	Thread Size	Shoulder Dia. (in.)	Shoulder Lgth. (in.)	Unit
40822-3	1/2-13 x 3/4	5/8	1/2	25
40822-1	1/2-13 x 3/4	5/8	3/4	25
40822-2	1/2-13 x 3/4	5/8	1	25
40822	1/2-13 x 3/4	5/8	1 1/4	25
40823	1/2-13 x 3/4	5/8	1 1/2	25
40823-1	1/2-13 x 3/4	5/8	1 3/4	25
40824	1/2-13 x 3/4	5/8	2	25
40824-1	1/2-13 x 3/4	5/8	2 1/4	25
40824-2	1/2-13 x 3/4	5/8	2 1/2	25
40824-3	1/2-13 x 3/4	5/8	2 3/4	25
40825	1/2-13 x 3/4	5/8	3	25
40826	1/2-13 x 3/4	5/8	3 1/4	25
40827	1/2-13 x 3/4	5/8	3 1/2	25
40827-1	1/2-13 x 3/4	5/8	3 3/4	10
40828	1/2-13 x 3/4	5/8	4	10
40828-1	1/2-13 x 3/4	5/8	4 1/4	10
40829	1/2-13 x 3/4	5/8	4 1/2	10
40829-1	1/2-13 x 3/4	5/8	4 3/4	10
40832	1/2-13 x 3/4	5/8	5	10
40833	1/2-13 x 3/4	5/8	5 1/2	5
40834	1/2-13 x 3/4	5/8	6	5

Part No.	Thread Size	Shoulder Dia. (in.)	Shoulder Lgth. (in.)	Unit
40384-1	5/8-11 x 7/8	3/4	1	10
40954	5/8-11 x 7/8	3/4	1 1/4	10
40397	5/8-11 x 7/8	3/4	1 1/2	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

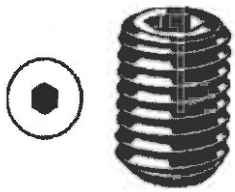
Continued from previous page

Part No.	Thread Size	Shoulder Dia. (In.)	Shoulder Lgth. (In.)	Unit
40838	5/16-11 x 7/8	3/4	1 3/4	10
40839	5/16-11 x 7/8	3/4	2	10
40840	5/16-11 x 7/8	3/4	2 1/4	10
40841	5/16-11 x 7/8	3/4	2 1/2	10
40842	5/16-11 x 7/8	3/4	2 3/4	10
40843	5/16-11 x 7/8	3/4	3	10
40844	5/16-11 x 7/8	3/4	3 1/4	10
40845	5/16-11 x 7/8	3/4	3 1/2	10
40846	5/16-11 x 7/8	3/4	3 3/4	10
40847	5/16-11 x 7/8	3/4	4	5
40848	5/16-11 x 7/8	3/4	4 1/4	5
40849	5/16-11 x 7/8	3/4	4 1/2	5
40850	5/16-11 x 7/8	3/4	4 3/4	5
40851	5/16-11 x 7/8	3/4	5	5
40852	5/16-11 x 7/8	3/4	5 1/2	5
40853	5/16-11 x 7/8	3/4	6	5

Part No.	Thread Size	Shoulder Dia. (In.)	Shoulder Lgth. (In.)	Unit
41001	3/4-10 x 1"	1"	1"	10
41002	3/4-10 x 1"	1"	1 1/4"	10
41003	3/4-10 x 1"	1"	1 1/2"	10
41004	3/4-10 x 1"	1"	1 3/4"	10
41005	3/4-10 x 1"	1"	2"	10
41007	3/4-10 x 1"	1"	2 1/4"	10
41008	3/4-10 x 1"	1"	2 1/2"	10
41009	3/4-10 x 1"	1"	2 3/4"	10
41010	3/4-10 x 1"	1"	3"	10
41011	3/4-10 x 1"	1"	3 1/4"	5
41016	3/4-10 x 1"	1"	3 1/2"	5
41017	3/4-10 x 1"	1"	4"	5
41018	3/4-10 x 1"	1"	4 1/2"	5
41019	3/4-10 x 1"	1"	5"	5
41020	3/4-10 x 1"	1"	6"	5

Bowmalloy

Bowmalloy Socket Set Screws - Cup Point



UNC Part No. TPI-40	UNF Part No. TPI-48	Dia.	Length (In.)	Unit
C771032	¤C771033	No. 4	1/8	100
C771034	"	No. 4	5/16	100
C771036	"	No. 4	1/4	100
¤C771038	"	No. 4	5/16	100

UNC Part No. TPI-40	UNF Part No. TPI-	Dia.	Length (In.)	Unit
¤C771052	"	No. 5	1/4	100
¤C771054	"	No. 5	5/16	100
¤C771056	"	No. 5	1/4	100
¤C771058	"	No. 5	5/16	100
¤C771060	"	No. 5	3/8	100
¤C771066	"	No. 5	5/8	100

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (In.)	Unit
C771102	¤C771103	No. 6	1/8	100
C771104	¤C771105	No. 6	5/16	100
C771106	¤C771107	No. 6	1/4	100
C771108	"	No. 6	5/16	100
C771110	¤C771109	No. 6	3/8	100
C771114	"	No. 6	1/2	100
C771118	"	No. 6	3/4	100
C771122	"	No. 6	1	100

UNC Part No. TPI-32	UNF Part No. TPI-	Dia.	Length (In.)	Unit
C771132	"	No. 8	1/8	100
C771134	"	No. 8	5/16	100
C771136	"	No. 8	1/4	100
¤C771138	"	No. 8	5/16	100
C771160	"	No. 8	3/8	100
C771164	"	No. 8	1/2	100
¤C771165	"	No. 8	5/8	100
C771168	"	No. 8	3/4	100
¤C771170	"	No. 8	7/8	100
¤C771172	"	No. 8	1	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
¤C771204	¤C771205	No. 10	5/16	100
C771206	C771207	No. 10	3/4	100
¤C771208	¤C771209	No. 10	5/16	100
C771210	C771211	No. 10	3/8	100
C771214	C771215	No. 10	1/2	100
C771216	¤C771217	No. 10	5/8	100
C771218	C771219	No. 10	3/4	100
¤C771220	"	No. 10	7/8	100
C771222	C771223	No. 10	1	100
	C771225	No. 10	1 - 1/4	100

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (In.)	Unit
C771251	¤C771255	1/4	1/4	100
C771256	¤C771257	1/4	1/4	100
C771258	¤C771259	1/4	5/16	100
C771260	¤C771261	1/4	3/8	100
C771264	¤C771265	1/4	1/2	100
C771266	¤C771267	1/4	5/8	100
C771268	¤C771269	1/4	3/4	100
C771270	"	1/4	7/8	100
C771272	C771273	1/4	1	100
C771274	"	1/4	1 - 1/4	100
C771276	"	1/4	1 - 1/2	100
C771280	"	1/4	2	100

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
C771306	¤C771307	5/16	1/2	100
C771308	¤C771309	5/16	5/16	100
C771310	C771311	5/16	3/4	100
C771314	¤C771315	5/16	1/2	100
C771316	¤C771317	5/16	5/8	100
C771318	¤C771319	5/16	3/4	100
¤C771320	¤	5/16	7/8	100
C771322	¤	5/16	1	100
¤C771324	¤	5/16	1 - 1/4	100
¤C771326	¤	5/16	1 - 1/2	100

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
C771356	¤C771357	3/8	1/4	100
C771360	C771361	3/8	5/16	100
C771364	C771365	3/8	1/2	100
C771365	"	3/8	5/8	100
C771368	C771369	3/8	3/4	100
C771372	"	3/8	1	100
C771376	"	3/8	1 - 1/2	100
¤C771378	"	3/8	1 - 3/4	100
C771380	"	3/8	2	100
¤C771382	"	3/8	2 - 1/2	50

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia.	Length (In.)	Unit
C771410	"	7/16	3/4	100
C771414	"	7/16	1/2	100
C771418	"	7/16	3/4	100
C771422	"	7/16	1	50
C771426	"	7/16	1 - 1/2	50

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia.	Length (In.)	Unit
C771464	C771465	1/2	1/2	100
C771465	"	1/2	5/8	100
C771468	¤C771469	1/2	3/4	50
C771472	¤C771473	1/2	1	50
¤C771474	"	1/2	1 - 1/4	50
C771476	"	1/2	1 - 1/2	50
¤C771478	"	1/2	1 - 3/4	50
C771480	"	1/2	2	50
¤C771482	"	1/2	2 - 1/2	50
¤C771484	"	1/2	3	50

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia.	Length (In.)	Unit
¤C771516	¤C771517	5/8	5/8	50
C771518	"	5/8	3/4	50
C771522	¤C771523	5/8	1	50
C771524	"	5/8	1 - 1/4	50
¤C771526	"	5/8	1 - 1/2	25
¤C771530	"	5/8	2	25

UNC Part No. TPI-10	UNF Part No. TPI-	Dia.	Length (In.)	Unit
C771568	¤	3/4	3/4	50
C771572	¤	3/4	1	50
¤C771574	¤	3/4	1 - 1/4	25
¤C771576	¤	3/4	1 - 1/2	25
¤C771580	¤	3/4	2	10
¤C771584	¤	3/4	3	10

UNC Part No. TPI-9	UNF Part No. TPI-	Dia.	Length (In.)	Unit
¤C771622	"	7/8	1	50

UNC Part No. TPI-8	UNF Part No. TPI-	Dia.	Length (In.)	Unit
¤C771672	"	1	1	10
¤C771680	"	1	2	10
¤C771684	"	1	3	25

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bowmalloy Socket Set Screws - nurled Point



They feature a socket head design for flushed or recessed applications and a knurled point for outstanding resistance to shock, vibration and temperature.

Specifications:

- Black natural finish

UNC Part No.	Dia.	Length (In.)	Unit
C770062	No.4 - 40	1/4	100

UNC Part No.	Dia.	Length (In.)	Unit
C770102	No. 6 - 32	1/8	100
C770104	No. 6 - 32	5/16	100
C770105	No. 6 - 32	1/4	100

UNC Part No.	Dia.	Length (In.)	Unit
C770152	No. 8 - 32	1/8	100
C770154	No. 8 - 32	5/16	100
C770156	No. 8 - 32	1/4	100
C770160	No. 8 - 32	3/8	100

UNC Part No.	Dia.	Length (In.)	Unit
C770254	1/4 - 20	5/16	100
C770256	1/4 - 20	1/4	100
C770258	1/4 - 20	5/16	100
C770260	1/4 - 20	3/8	100
C770264	1/4 - 20	1/2	100
C770265	1/4 - 20	3/4	100

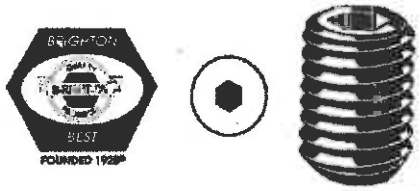
UNC Part No.	Dia.	Length (In.)	Unit
C770306	5/16 - 18	1/4	100
C770308	5/16 - 18	5/16	100
C770310	5/16 - 18	3/8	100
C770314	5/16 - 18	1/2	100
C770316	5/16 - 18	5/8	100
C770318	5/16 - 18	3/4	100
C770322	5/16 - 18	1	100

UNC Part No.	Dia.	Length (In.)	Unit
C770363	3/8 - 16	3/8	100
C770364	3/8 - 16	1/2	100
C770368	3/8 - 16	3/4	100
C770372	3/8 - 16	1	100

UNC Part No.	Dia.	Length (In.)	Unit
C770464	1/2 - 13	1/2	100
C770466	1/2 - 13	5/8	100
C770468	1/2 - 13	3/4	50
C770472	1/2 - 13	1	50

Socket Set Screws

Socket Set Screws
Cup Point Type



- UNC (USS) or UNF (SAE)
- Meets ASTM F912 specifications
- Medium carbon alloy steel
- Through-hardened
- Non-plated

UNC Part No. TPI-*	UNF Part No. TPI-80	Dia.	Length (In.)	Unit
*	48560†	No. 0	1/16	100
*	48561†	No. 0	3/32	100
*	48562†	No. 0	1/8	100
*	48563†	No. 0	3/32	100
*	48564†	No. 0	3/16	100
*	48565†	No. 0	1/4	100
*	48566†	No. 0	5/16	100
*	48567†	No. 0	3/8	100

UNC Part No. TPI-64	UNF Part No. TPI-72	Dia. (In.)	Length (In.)	Unit
*	48565†	No. 1	1/16	100
*	48566†	No. 1	3/32	100
48560†	48567†	No. 1	1/8	100
48561†	48568†	No. 1	3/16	100
48562†	48569†	No. 1	1/4	100
*	48570†	No. 1	5/16	100
*	48571†	No. 1	3/8	100

UNC Part No. TPI-56	UNF Part No. TPI-64	Dia. (In.)	Length (In.)	Unit
48000	*	No. 2	1/16	100
48001	48580†	No. 2	3/32	100
48002	48581†	No. 2	1/8	100
48003	48582†	No. 2	3/16	100
48004	48583†	No. 2	1/4	100
48576†	*	No. 2	5/16	100
48577†	*	No. 2	3/8	100
48578†	*	No. 2	1/2	100

UNC Part No. TPI-48	UNF Part No. TPI-56	Dia. (In.)	Length (In.)	Unit
48885†	*	No. 3	1/16	100
48305	*	No. 3	3/32	100
43906	48590†	No. 3	1/8	100
48586†	*	No. 3	5/32	100
48307	48591†	No. 3	3/16	100
48308	48592†	No. 3	1/4	100
48587†	48593†	No. 3	5/16	100
48588†	48594†	No. 3	3/8	100
48589†	*	No. 3	1/2	100

UNC Part No. TPI-40	UNF Part No. TPI-48	Dia.	Length (In.)	Unit
40309	40457	No. 4	1/8	100
40310	50457-1	No. 4	3/16	100
40311	48591†	No. 4	1/4	100
40312	48602†	No. 4	5/32	100
40313	48603†	No. 4	3/8	100
48595†	*	No. 4	7/16	100
40315	48604†	No. 4	1/2	100
40316	48605†	No. 4	5/8	100
*	*	No. 4	3/4	100
48597†	*	No. 4	7/8	100
48598†	*	No. 4	1	100

UNC (USS) Part No. TPI-40	UNF (SAE) Part No. TPI-44	Dia. (In.)	Length (In.)	Unit
40317	*	No. 5	1/8	100
40318	48616†	No. 5	3/16	100
40319	48617†	No. 5	1/4	100
40320	48618†	No. 5	5/16	100
40321	48619†	No. 5	3/8	100
48610†	*	No. 5	7/16	100
40323	*	No. 5	1/2	100
40324	*	No. 5	5/8	100
40325	*	No. 5	3/4	100
48611†	*	No. 5	1	100

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia. (In.)	Length (In.)	Unit
40326	40459	No. 6	1/8	100
40327	40460	No. 6	3/16	100
MP40327	*	No. 6	3/16	50
40328	40461	No. 6	1/4	100
MP40328	*	No. 6	1/4	50
40329	48627†	No. 6	5/16	100
40330	40462-1	No. 6	3/8	100
MP40330	*	No. 6	3/8	50
40331-1	*	No. 6	7/16	100
40332	*	No. 6	1/2	100
40333	*	No. 6	5/8	100
40334	*	No. 6	3/4	100
40335	*	No. 6	7/8	100
40336	*	No. 6	1	100
48628†	*	No. 6	1 1/4	100
48629†	*	No. 6	1 1/2	100

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia. (In.)	Length (In.)	Unit
40337	40463	No. 8	1/8	100
40338	40464	No. 8	3/16	100
MP40338	MP40464	No. 8	3/16	50
40339	40465	No. 8	1/4	100
MP40339	MP40465	No. 8	1/4	50
40340	48635†	No. 8	5/16	100
40341	40466-1	No. 8	3/8	100
MP40341	*	No. 8	3/8	50
40342	*	No. 8	7/16	100
40343	48636†	No. 8	1/2	100
MP40343	*	No. 8	1/2	50
40344	*	No. 8	5/8	100
40345	*	No. 8	3/4	100
MP40345	*	No. 8	3/4	50
40346	*	No. 8	7/8	100
40347	*	No. 8	1	100
48630†	*	No. 8	1 1/4	100
48631†	*	No. 8	1 1/2	100
48632†	*	No. 8	1 3/4	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia. (in.)	Length (in.)	Unit
40839†	"	No. 8	2	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia. (in.)	Length (in.)	Unit
40849†	40850†	No. 10	1/4	100
40848	40467	No. 10	3/16	100
MP40846	MP40467	No. 10	3/16	50
40849	40468	No. 10	1/4	100
MP40847	MP40468	No. 10	1/4	50
40850	40469	No. 10	5/16	100
40851	40470	No. 10	3/8	100
MP40851	MP40470	No. 10	3/8	50
40641†	40651†	No. 10	7/16	100
40853	40471	No. 10	1/2	100
MP40853	MP40471	No. 10	1/2	50
40854	40472	No. 10	5/8	100
40855	40473	No. 10	3/4	100
40856	40663†	No. 10	7/8	100
40857	40474	No. 10	1	100
40858	40474-1	No. 10	1 1/4	100
40642†	40664†	No. 10	1 1/2	100
40643†	40665†	No. 10	1 3/4	100
40644†	40656	No. 10	2	100
40645†	40657†	No. 10	2 1/2	100

UNC Part No. TPI-24	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
40660†	"	No. 12	3/16	100
40661†	40670†	No. 12	1/4	100
40662†	"	No. 12	5/16	100
40663†	40671†	No. 12	3/8	100
40664†	40672†	No. 12	1/2	100
40665†	"	No. 12	5/8	100
40666†	"	No. 12	3/4	100
40667†	"	No. 12	1	100

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
40359	40475	1/4	3/16	100
40360	40475-1	1/4	1/4	100
MP40360	MP40475-1	1/4	1/4	50
40361	40476	1/4	5/16	100
MP40361	MP40476	1/4	5/16	50
40362	40476-1	1/4	3/8	100
MP40362	MP40476-1	1/4	3/8	50
40363	40477	1/4	7/16	100
40364	40477-1	1/4	1/2	100
MP40364	MP40477-1	1/4	1/2	50
40365	40478	1/4	5/8	100
40365	40478-1	1/4	3/4	100
MP40366	MP40478-1	1/4	3/4	50
40367	"	1/4	7/8	100
40368	40479	1/4	1	100
MP40368	"	1/4	1	50
40369	40479-1	1/4	1 1/4	100
40370	"	1/4	1 1/2	100
40371	"	1/4	1 3/4	50
40372	"	1/4	2	50

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
40373	40480	5/16	1/4	100
MP40373	"	5/16	1/4	50
40374	40480-1	5/16	5/16	100
MP40374	MP40480-1	5/16	5/16	50
40375	40481	5/16	3/8	100

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
MP40375	MP40481	5/16	3/8	50
40376	40481-1	5/16	7/16	100
40377	40482	5/16	1/2	100
MP40377	MP40482	5/16	1/2	50
40378	40482-1	5/16	5/8	100
"	MP40482-1	5/16	5/8	50
40379	40483	5/16	3/4	100
MP40379	MP40483	5/16	3/4	50
40380	"	5/16	7/8	100
40381	40483-2	5/16	1	100
MP40381	MP40483-2	5/16	1	50
40382	40483-3	5/16	1 1/4	100
40533	40483-4	5/16	1 1/2	100
40384	"	5/16	1 3/4	50
40385	"	5/16	2	50

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
40386	40485	3/8	1/4	100
40387	40485-1	3/8	5/16	100
40388	40486	3/8	3/8	100
MP40388	MP40486	3/8	3/8	25
40389	40486-1	3/8	7/16	100
40390	40487	3/8	1/2	100
MP40390	MP40487	3/8	1/2	25
40391	40487-1	3/8	5/8	100
40392	40488	3/8	3/4	100
MP40392	MP40488	3/8	3/4	25
40393	"	3/8	7/8	100
40394	40488-1	3/8	1	100
MP40394	MP40488-1	3/8	1	25
40395	40489	3/8	1 1/4	100
40396	40489-1	3/8	1 1/2	100
40397	"	3/8	1 3/4	50
40398	"	3/8	2	50
40399	"	3/8	2 1/2	50
40400	"	3/8	3	25

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
40401	40490	7/16	3/8	100
40402	40490-1	7/16	7/16	100
40403	40490-2	7/16	1/2	100
MP40403	"	7/16	1/2	25
40404	"	7/16	5/8	100
40405	"	7/16	3/4	100
40406	"	7/16	7/8	50
40407	"	7/16	1	50
"	MP40416	7/16	1	25
40408	"	7/16	1 1/4	50
40409	"	7/16	1 1/2	50

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
40411	"	1/2	3/8	100
40413	40491	1/2	1/2	100
MP40413	"	1/2	1/2	10
40414	40491-1	1/2	5/8	100
40415	40492	1/2	3/4	100
MP40415	"	1/2	3/4	10
40416-1	"	1/2	7/8	50
40417	40492-1	1/2	1	50
MP40417	"	1/2	1	10
"	MP40492-1	1/2	1	25
40418	40493	1/2	1 1/4	50
40419	40493-1	1/2	1 1/2	50
40420	"	1/2	1 3/4	25

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (in.)	Length (in.)	Unit
40421	"	1/2	2	25
40422-1	"	1/2	2 1/2	25
40423	"	1/2	3	25

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (in.)	Length (in.)	Unit
40424	"	5/8	1/2	100
40425	40494	5/8	5/8	50
40426	"	5/8	3/4	50
40427	40494-1	5/8	1	50
40428	"	5/8	1 1/4	25
40429	"	5/8	1 1/2	25
40430	"	5/8	1 3/4	25
40431	"	5/8	2	25
40432	"	5/8	2 1/2	10
40433	"	5/8	3	10
40434-1	"	5/8	4	10

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (in.)	Length (in.)	Unit
40435	"	3/4	5/8	50
40436	40495	3/4	3/4	50
40437	40495-1	3/4	1	50
40438	40496	3/4	1 1/4	25
40439	40496-1	3/4	1 1/2	25
40440	"	3/4	1 3/4	10
40441	40497	3/4	2	10
40442	40497-1	3/4	2 1/2	10
40443	40497-2	3/4	3	10
40444	"	3/4	4	10

UNC Part No. TPI-9	UNF Part No. TPI-14	Dia. (in.)	Length (in.)	Unit
40446	40498	7/8	7/8	10
40447	40498-1	7/8	1	10
40448	"	7/8	1 1/2	10
40449	"	7/8	2	10

UNC Part No. TPI-8	UNF Part No. TPI-14	Dia. (in.)	Length (in.)	Unit
40452	40499	1	1	10
40453-1	"	1	1 1/2	10
40454	"	1	2	10
40454-1	"	1	2 1/2	10
40454-2	"	1	3	10

†Bowman semi-standard socket products are offered in lengths that are not normally stocked by the industry. Pricing will vary.

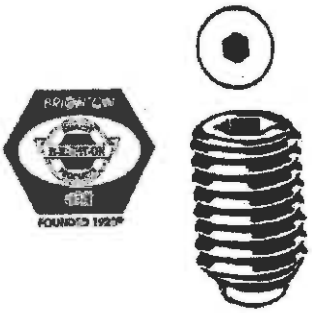
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Socket Screws

Socket Set Screws Brass Tip
tension
Point Type



- UNC (USS) or UNF (SAE)
- Meets ASTM F912 specifications
- Medium carbon alloy steel
- Through-hardened
- Non-plated

UNC Part No.	UNF Part No.	Dia. (in.)	Length (in.)	Unit
TPI-20	TPI-28			
476132	*	¼	¼	25
476135	*	¼	⅜	25
476138	*	¼	½	25
476142	*	¼	¾	25
*	476168	¼	1	25
476149	*	¼	1¼	10
TPI-18	TPI-24			
476178	*	5/16	¼	25
476183	*	5/16	5/16	25
475182	476203	5/16	⅜	25
476134	*	5/16	½	25
476183	*	5/16	¾	25
TPI-16	TPI-24			
476228	*	⅜	⅜	25
476230	*	⅜	½	25
476231	*	⅜	5/8	25
476234	*	⅜	¾	25
476244	*	⅜	1	25
TPI-32	TPI-36			
476269	*	No. 8	¼	25
TPI-24	TPI-32			
*	476308	No. 10	¼	25
*	476312	No. 10	⅜	25
*	476315	No. 10	½	25
TPI-11	TPI-18			
476350	*	⅝	1	10
TPI-13	TPI-20			
476270	*	½	½	25

Socket Set Screws
Internal Knurled Cup Point Type



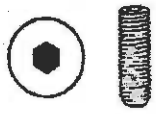
- UNC (USS) or UNF (SAE)
- Meets ASTM F912 specifications
- Medium carbon alloy steel
- Through-hardened
- Phos finish
- Special internal knurl combined with Phos finish provides superior axial and torsional holding power
- Forged manufacturing process creates smooth, radiused corner socket that has a high resistance to cracking and "rounding-out" of the hex socket hole

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (in.)	Unit
40501	40503-3/16	No. 6	5/16	50
40502	*	No. 6	¼	50
C93037	*	No. 6	5/16	50
40502-1	40503-1	No. 6	⅜	50
40502-2	*	No. 6	½	50
UNC Part No. TPI-32	UNF Part No. TPI-36	Dia.	Length (in.)	Unit
40505	40507-3/16	No. 8	5/16	50
40506	40507-1/4	No. 8	¼	50
C93011	40507-5/16	No. 8	5/16	50
40506-2	*	No. 8	⅜	50
40507	*	No. 8	½	50
40503	*	No. 8	¾	50
UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (in.)	Unit
40510	40515	No. 10	5/16	50
40511	40516	No. 10	¼	50
C93015	C93021	No. 10	5/16	50
40512	40517	No. 10	⅜	50
40513	40518	No. 10	½	50
*	C93024	No. 10	5/8	50
C93019	C93025	No. 10	¾	50
UNC (USS) Part No. TPI-20	UNF (SAE) Part No. TPI-28	Dia.	Length (in.)	Unit
40520	40525	¼	¼	50
40521	40526	¼	5/16	50
40522	40527	¼	⅜	50
40523	40528	¼	½	50
C93035	C93036	¼	5/8	50
40524	40529	¼	¾	50
40524-1	40529-1	¼	1	50
40524-11/4	*	¼	1¼	50
UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (in.)	Unit
40529-3	C93034	5/16	¼	50
40530	40535	5/16	5/16	50
40531	40536	5/16	⅜	50
40532	40537	5/16	½	50
40532-1	40537-1	5/16	5/8	50
40533	40537-2	5/16	¾	50
40534	40539	5/16	1	50
40534-11/4	*	5/16	1¼	50

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia.	Length (in.)	Unit
C93280	C93056	⅜	5/16	50
40543	40545	⅜	⅜	25
40541	40545	⅜	½	25
C93053	C93059	⅜	5/8	25
40542	40547	⅜	¾	25
40659	40548	⅜	1	25
40543-11/4	*	⅜	1¼	25
40543-11/2	*	⅜	1½	25
40543-2	*	⅜	2	25
UNC Part No. TPI-14	UNF Part No. TPI-20	Dia.	Length (in.)	Unit
40550	*	7/16	½	25
40551	*	7/16	¾	25
40552	*	7/16	1	25
UNC Part No. TPI-13	UNF Part No. TPI-20	Dia.	Length (in.)	Unit
40555	40560	½	½	25
C93039	*	½	5/8	25
40556	40561	½	¾	25
40557	40562	½	1	25
40557-11/4	*	½	1¼	25
40557-11/2	*	½	1½	25
UNC Part No. TPI-11	UNF Part No. TPI-18	Dia.	Length (in.)	Unit
40566	*	5/8	¾	10

*Item not available

Socket Set Screws
Internal Knurled Cup Point Type



- UNC (USS) or UNF (SAE)
- Meets ASTM F912 specifications
- Medium carbon alloy steel
- Through-hardened
- Non-plated

UNC Part No. TPI-40	UNF Part No. TPI-48	Dia.	Length (in.)	Unit
[illegible]†	*	No. 4	1/8	100
[illegible]†	*	No. 4	3/16	100
[illegible]†	*	No. 4	¼	100
[illegible]†	*	No. 4	5/16	100
[illegible]†	*	No. 4	⅜	100
UNC (USS) Part No. TPI-32	UNF (SAE) Part No. TPI-40	Dia.	Length (in.)	Unit
[illegible]†	*	No. 6	1/8	100
[illegible]†	*	No. 6	5/16	100
[illegible]†	*	No. 6	⅜	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC (USS) Part No. TPI-32	UNF (SAE) Part No. TPI-36	Dia.	Length (In.)	Unit
¤48690†	"	No. 8	1/8	100
¤48691†	"	No. 8	5/16	100
¤48692†	"	No. 8	3/8	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
¤48695†	¤48700†	No. 10	5/16	100
¤48696†	¤48701†	No. 10	3/8	100
¤48697†	¤48702†	No. 10	1/4	100
¤48698†	"	No. 10	1/2	100
¤48699†	¤48703†	No. 10	1	100

†Bowman semi-standard socket products are offered in lengths that are not normally stocked by the industry. Pricing will vary.

Socket Set Screws

Cone Point Type





- Meets ASTM F912 specifications
- Medium carbon alloy steel
- Through-hardened
- Non-Plated

UNC (USS) Part No. TPI-40	UNF (SAE) Part No. TPI-48	Dia. (In.)	Length (In.)	Unit
¤48120†	"	No. 4	1/8	100
¤48121†	"	No. 4	5/16	100

UNC (USS) Part No. TPI-32	UNF (SAE) Part No. TPI-40	Dia. (In.)	Length (In.)	Unit
¤48122†	"	No. 5	3/16	100
¤48123†	"	No. 5	1/4	100

UNC (USS) Part No. TPI-32	UNF (SAE) Part No. TPI-40	Dia. (In.)	Length (In.)	Unit
¤41200	"	No. 6	1/8	100
¤41201	"	No. 6	3/16	100
¤41202	"	No. 6	1/4	100
¤48124†	"	No. 6	3/8	100

UNC (USS) Part No. TPI-32	UNF (SAE) Part No. TPI-36	Dia. (In.)	Length (In.)	Unit
¤48125†	"	No. 8	3/16	100
¤41203	"	No. 8	1/4	100
¤48126†	"	No. 8	5/16	100
¤41204	"	No. 8	3/8	100
¤46127†	"	No. 8	1/2	100

UNC (USS) Part No. TPI-24	UNF (SAE) Part No. TPI-32	Dia. (In.)	Length (In.)	Unit
"	¤41207	No. 10	3/16	100
¤41205	¤41208	No. 10	1/4	100
¤48128†	"	No. 10	5/16	100
¤41206	"	No. 10	3/8	100
¤48129†	"	No. 10	1/2	100

UNC (USS) Part No. TPI-20	UNF (SAE) Part No. TPI-28	Dia. (In.)	Length (In.)	Unit
¤41209	¤41214	1/4	1/4	100
¤48130†	"	1/4	5/16	100
¤41210	¤48132†	1/4	3/8	100
¤41211	"	1/4	1/2	100
¤48131†	"	1/4	5/8	100
¤41212	"	1/4	3/4	100
¤41213	"	1/4	1	100

UNC (USS) Part No. TPI-18	UNF (SAE) Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
¤48133†	¤48137†	5/16	5/16	100
¤41215	¤48138†	5/16	3/8	100
¤41216	"	5/16	1/2	100
¤48134†	"	5/16	5/8	100
¤48135†	"	5/16	3/4	100
¤48136†	"	5/16	1	100

UNC (USS) Part No. TPI-16	UNF (SAE) Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
¤41217	¤48142†	3/8	3/8	100
¤41218	¤48143†	3/8	1/2	100
¤48139†	"	3/8	5/8	100
¤48140†	"	3/8	3/4	100
¤48141†	"	3/8	1	100

UNC (USS) Part No. TPI-13	UNF (SAE) Part No. TPI-20	Dia. (In.)	Length (In.)	Unit
¤48144†	"	1/2	1/2	100
¤48145†	"	1/2	5/8	100
¤48146†	"	1/2	3/4	100
¤48147†	"	1/2	1	100

Note: † Indicates Bowman semi-standard socket products are offered in lengths not normally stocked by the industry.

Socket Set Screws

Half Dog Point Type





- Meets ASTM F912 specifications
- Medium carbon alloy steel
- Through-hardened
- Non-Plated

UNC (USS) Part No. TPI-32	UNF (SAE) Part No. TPI-36	Dia. (In.)	Length (In.)	Unit
¤48150†	"	No. 8	3/16	100
41190	"	No. 8	1/4	100
¤48151†	"	No. 8	5/16	100
41191	"	No. 8	3/8	100
41192	"	No. 8	1/2	100

UNC (USS) Part No. TPI-24	UNF (SAE) Part No. TPI-32	Dia. (In.)	Length (In.)	Unit
¤48152†	41163	No. 10	3/16	100
41188	41163	No. 10	1/4	100
¤43153†	"	No. 10	5/16	100
41184	"	No. 10	3/8	100
¤48154†	"	No. 10	1/2	100

UNC (USS) Part No. TPI-20	UNF (SAE) Part No. TPI-28	Dia. (In.)	Length (In.)	Unit
41187	41114	1/4	1/4	100
41185	"	1/4	5/16	100
41109	41115	1/4	3/8	100
41110	"	1/4	1/2	100
41111	"	1/4	5/8	100
41112	"	1/4	3/4	100
41113	"	1/4	1	100

UNC (USS) Part No. TPI-18	UNF (SAE) Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
41116	"	5/16	5/16	100
41117	41121	5/16	3/8	100
41118	"	5/16	1/2	100
¤48155†	"	5/16	5/8	100
41119	"	5/16	3/4	100
41120	"	5/16	1	100

UNC (USS) Part No. TPI-16	UNF (SAE) Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
41122	¤48156†	3/8	3/8	100
41123	41128	3/8	1/2	100
41124	"	3/8	5/8	100
41125	"	3/8	3/4	100
41126	"	3/8	1	100
41127	"	3/8	1 1/4	100

UNC (USS) Part No. TPI-13	UNF (SAE) Part No. TPI-20	Dia. (In.)	Length (In.)	Unit
41129	"	1/2	1/2	100
41130	"	1/2	5/8	100
41131	"	1/2	3/4	100
41132	"	1/2	1	100
41133	"	1/2	1 1/4	100

UNC (USS) Part No. TPI-11	UNF (SAE) Part No. TPI-18	Dia. (In.)	Length (In.)	Unit
"	¤48158†	5/8	5/8	50
41134	"	5/8	1	50
¤48157†	"	5/8	1 1/4	50

†Indicates Bowman semi-standard socket products are offered in lengths not normally stocked by the industry.

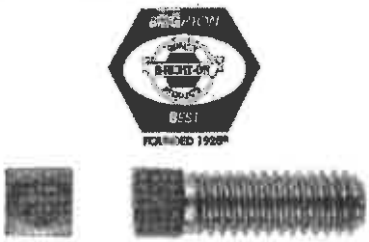
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Square Head Set Screws

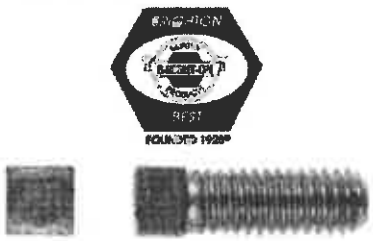
Square Head Set Screws
Cup Point Type



- UNC (USS)
- Meets ANSI/ASME B18.6.2 specifications
- Carbon steel
- Case hardened

Part No.	Dia. (in.) - TPI	Length (in.)	Unit
32725	¼-20	½	25
32727	¼-20	¾	25
32728	¼-20	1	25
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
32733	5/16-18	½	25
32735	5/16-18	¾	25
32736	5/16-18	1	25
MP32736	5/16-18	1	10
32737	5/16-18	1¼	25
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
32743	3/8-16	½	25
MP32743	3/8-16	½	10
32744	3/8-16	⅝	25
MP32744	3/8-16	⅝	10
32745	3/8-16	¾	25
MP32745	3/8-16	¾	10
32746	3/8-16	1	25
MP32746	3/8-16	1	10
32747	3/8-16	1¼	25
32748	3/8-16	1½	25
32750	3/8-16	2	25
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
32754	7/16-14	¾	10
32755	7/16-14	1	10
32757	7/16-14	1½	10
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
32764	½-13	1	10
32765	½-13	1¼	10
32766	½-13	1½	10
32768	½-13	2	10
32770	½-13	2½	10
32772	½-13	3	10
32774	½-13	4	10

Square Head Set Screws
Cup Point Type



- UNC (USS)
- Meets ANSI/ASME B18.6.2 specifications
- Carbon steel
- Case hardened
- Non-plated

Part No.	Dia. (in.) - TPI	Length (in.)	Unit
63100	¼-20	⅜	100
63101	¼-20	½	100
63102	¼-20	⅝	100
63103	¼-20	¾	100
63105	¼-20	1	100
63106	¼-20	1¼	100
63107	¼-20	1½	100
63108	¼-20	1¾	100
63109	¼-20	2	100
63111	¼-20	2½	100
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
63115	5/16-18	½	100
63116	5/16-18	⅝	100
63117	5/16-18	¾	100
63119	5/16-18	1	100
63120	5/16-18	1¼	100
63121	5/16-18	1½	100
63122	5/16-18	1¾	100
63123	5/16-18	2	100
63124	5/16-18	2¼	100
63125	5/16-18	2½	100
63126	5/16-18	3	100
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
63130	3/8-16	½	100
63131	3/8-16	⅝	100
63132	3/8-16	¾	100
63134	3/8-16	1	100
63135	3/8-16	1¼	100
63136	3/8-16	1½	100
63137	3/8-16	1¾	100
63138	3/8-16	2	100
63140	3/8-16	2½	100
63141	3/8-16	3	100
63142	3/8-16	3½	50
63143	3/8-16	4	50
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
63145	7/16-14	¾	100
63147	7/16-14	1	100
63148	7/16-14	1¼	100
63149	7/16-14	1½	100
63151	7/16-14	2	100
63153	7/16-14	2½	100
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
63160	½-13	¾	100
63161	½-13	⅞	100
63162	½-13	1	100
63163	½-13	1¼	100
63164	½-13	1½	100
63165	½-13	1¾	100
63166	½-13	2	100
63167	½-13	2¼	50
63168	½-13	2½	50
63169	½-13	2¾	50
63170	½-13	3	50
63171	½-13	3½	25
63172	½-13	4	25
63173	½-13	4½	25
63174	½-13	5	25
63175	½-13	6	25
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
63178	5/8-11	1	50
63179	5/8-11	1¼	50
63180	5/8-11	1½	50
63181	5/8-11	1¾	50
63182	5/8-11	2	25
63184	5/8-11	2½	25
63185	5/8-11	3	25
63187	5/8-11	3½	25
63188	5/8-11	4	25
63189	5/8-11	4½	25
63190	5/8-11	5	25
63191	5/8-11	6	25
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
63196	¾-10	1¼	25
63197	¾-10	1½	25
63198	¾-10	1¾	25
63199	¾-10	2	25
63201	¾-10	2½	25
63203	¾-10	3	25
63204	¾-10	3½	25
63205	¾-10	4	25
63206	¾-10	4½	25
63207	¾-10	5	25
63208	¾-10	6	10
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
63212	⅞-9	3	10
63213	⅞-9	3½	10
63214	⅞-9	4	10
63215	⅞-9	4½	10
63216	⅞-9	5	10
63217	⅞-9	6	10
Part No.	**Dia. (in.) - TPI**	**Length (in.)**	**Unit**
63220	1-8	2	25
63221	1-8	2½	10
63222	1-8	3	10
63223	1-8	3½	10
63224	1-8	4	10
63225	1-8	4½	10
63226	1-8	5	10
63227	1-8	6	10

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Thumb Screw Knobs

Knurled Round

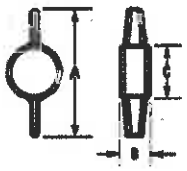


- Knurled knob type
- Red plastic
- Make thumb screw by attaching to a standard 1960 Series socket head cap screw

Part No.	Fits Screw Size	Unit
34315	No. 4	25
34316	No. 6	25
34317	No. 8	25
34318	No. 10	25
34319	¼	25
34320	⅝	25

Tee Knobs





Part No.	Fits Screw Size	Unit
KP68320	No. 10	10
KP68321	¼	10
KP68322	5/16	10
KP68323	⅜	10

Metric Size Thumb Screw Knobs

Knurled Round



Part No.	Fits Screw Size	Unit
KP68347	M3	10
KP68348	M4	10
KP68349	M5	10
KP68350	M6	10
KP68351	M8	10

Metric Size

Tee Knobs



Part No.	Fits Screw Size	Unit
KP68352	M5	10
KP68353	M6	10
KP68354	M8	10
KP68355	M10	10

Hex Key Selection Chart

Screw Dia.	1960 Series Socket Head Cap Screw Hex Size	Socket Flat Countersunk Head Cap Screw Hex Size	Socket Button Head Cap Screw Hex Size	Socket Head Shoulder Screw Hex Size	Socket Set Screw Hex Size
No. 0	.050	.035	.035	—	.028
No. 1	5/64	.050	.050	—	.028
No. 2	5/64	.050	.050	—	.035
No. 3	5/64	1/16	1/16	—	.050
No. 4	3/32	1/16	1/16	—	.050
No. 5	3/32	5/64	5/64	—	1/16
No. 6	7/64	5/64	5/64	—	1/16
No. 8	9/64	3/32	3/32	—	5/64
No. 10	5/32	1/8	1/8	—	3/32
1/4	3/16	5/32	5/32	1/8	1/8
5/16	1/4	9/64	9/64	5/32	5/32
3/8	5/16	7/32	7/32	9/64	9/64
7/16	3/8	1/4	1/4	—	7/32
1/2	3/8	5/16	5/16	1/4	1/4
5/16	7/16	—	—	—	—
9/16	1/2	3/8	3/8	5/16	5/16
3/4	5/8	1/2	—	3/8	3/8
7/8	3/4	9/16	—	—	1/2
1	3/4	5/8	—	1/2	9/16
1 1/8	1/4	3/4	—	—	9/16
1 1/4	7/8	7/8	—	5/8	5/8
1 3/8	1	7/8	—	—	5/8
1 1/2	1	1	—	7/8	3/4

Round Head

Machine Screws

Phillips Round Head



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
C37189	No. 4-40	¼	100
38043	No. 4-40	⅜	50
38042	No. 4-40	½	50
38034	No. 4-40	1	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38060	No. 6-32	¼	50
38031	No. 6-32	⅜	50
38002	No. 6-32	½	50
38008	No. 6-32	¾	50
38034	No. 6-32	1	50
38034-11/2	No. 6-32	1½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38035	No. 8-32	¼	50
38006	No. 8-32	⅜	50
38037	No. 8-32	½	50
38038	No. 8-32	⅝	50
38040	No. 8-32	¾	50
38010	No. 8-32	1	50
38011	No. 8-32	1½	50
38060	No. 8-32	3	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38012-3/8	No. 10-24	⅜	50
38012	No. 10-24	½	50
38013	No. 10-24	⅝	50
38014	No. 10-24	¾	50
38015	No. 10-24	1	50
38016	No. 10-24	1½	50
38016-2	No. 10-24	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38017-1/4	No. 10-32	¼	50
38017	No. 10-32	⅜	50
38018	No. 10-32	½	50
38019	No. 10-32	⅝	50
38020	No. 10-32	¾	50
38021	No. 10-32	1	50
38022	No. 10-32	1½	50
38022-2	No. 10-32	2	50
38022-3	No. 10-32	3	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38023	No. 12-24	½	50
38024	No. 12-24	¾	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38025	¼-20	⅜	50
38026	¼-20	½	50
38027	¼-20	⅝	50
38028	¼-20	¾	50
38029	¼-20	1	50
38030	¼-20	1¼	50
38031	¼-20	1½	50
38031-13/4	¼-20	1¾	50
38032	¼-20	2	50
38032-21/2	¼-20	2½	50
C37148	¼-20	3	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38048-11/2	5/16-18	1½	100

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Machine Screws

Stove Bolts

Slotted Head, Round or Phillips



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31120	No. 4-40	¾	100
C82734	No. 4-40	⅜	100
31120-1	No. 4-40	½	100
KP61255	No. 4-40	⅝	100
31121	No. 4-40	¾	100
31121-1	No. 4-40	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP64859	No. 5-40	⅝	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31122	No. 6-32	¼	100
31123	No. 6-32	⅜	100
31124	No. 6-32	½	100
31125	No. 6-32	⅝	100
31126	No. 6-32	¾	100
31127	No. 6-32	1	100
31127-1	No. 6-32	1¼	100
31127-2	No. 6-32	1½	100
KP64953	No. 6-32	1¾	100
31127-3	No. 6-32	2	100
C99498	No. 6-32	2½	100
31127-5	No. 6-32	3	50
31127-6	No. 6-32	4	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31128	No. 8-32	¼	100
31129	No. 8-32	⅜	100
31130	No. 8-32	½	100
31131	No. 8-32	⅝	100
31132	No. 8-32	¾	100
31133	No. 8-32	1	100
31133-1	No. 8-32	1¼	100
31133-2	No. 8-32	1½	50
KP64956	No. 8-32	1¾	50
31133-3	No. 8-32	2	50
31133-4	No. 8-32	2½	50
31133-5	No. 8-32	3	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31134-X	No. 10-24	¼	100
31134	No. 10-24	⅜	100
31135	No. 10-24	½	100
31135-1	No. 10-24	⅝	100
31136	No. 10-24	¾	100
C820992	No. 10-24	⅞	100
31137	No. 10-24	1	100
31138	No. 10-24	1¼	50
31139	No. 10-24	1½	50
31140	No. 10-24	1¾	50
31141	No. 10-24	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31142	No. 10-24	2½	50
31142-1	No. 10-24	3	50
31142-3	No. 10-24	4	50
C93493	No. 10-24	5	25
C90634	No. 10-24	6	25

UNF Part No.	Dia. - TPI	Length (In.)	Unit
31143	No. 10-32	¼	100
31143-1	No. 10-32	⅜	100
31144	No. 10-32	½	100
31144-1	No. 10-32	⅝	100
31145	No. 10-32	¾	100
31145	No. 10-32	1	100
31146-1	No. 10-32	1¼	100
31147	No. 10-32	1½	50
31148	No. 10-32	2	50
C93496	No. 10-32	2½	50
C82747	No. 10-32	3	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31149	No. 12-24	⅜	100
31150	No. 12-24	½	100
31151	No. 12-24	¾	100
31152	No. 12-24	⅞	100
31153	No. 12-24	1	100
31153-1	No. 12-24	1¼	100
31154	No. 12-24	1½	50
31154-2	No. 12-24	2	50
31154-3	No. 12-24	2½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
34375	¼-20	⅜	100
34376	¼-20	½	100
KP71241	¼-20	⅝	100
34378	¼-20	¾	100
34380	¼-20	1	100
34382	¼-20	1¼	100
34384	¼-20	1½	100
34385	¼-20	1¾	100
34386	¼-20	2	100
34387	¼-20	2¼	100
34388	¼-20	2½	100
34389	¼-20	2¾	100
34390	¼-20	3	100
34392	¼-20	3½	100
34393	¼-20	4	100
34393-5	¼-20	5	50
34393-6	¼-20	6	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
34395-1/2	5/16-18	½	100
34395-3/4	5/16-18	¾	100
34395-1	5/16-18	1	100
KP66719	5/16-18	1¼	50
34395-11/2	5/16-18	1½	100
34395-2	5/16-18	2	100
34395-21/2	5/16-18	2½	100
34395-3	5/16-18	3	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
34395-4	5/16-18	4	100
C93501	5/16-18	5	25
C99502	5/16-18	6	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
34396-3/4	3/8-16	¾	100
34396-1	3/8-16	1	100
34396-11/2	3/8-16	1½	100
34396-2	3/8-16	2	50
34396-21/2	3/8-16	2½	50
34396-3	3/8-16	3	50
34396-4	3/8-16	4	50
34396-6	3/8-16	6	50

Machine Screws

Slotted Round Head



- Case hardened
- Zinc chromate plated steel
- Square socket drive

UNC Part No.	Dia. - TPI	Length (In.)	Unit
*C63815	No. 4-40	¼	100
*50538	No. 4-40	⅜	100
*C63817	No. 4-40	½	100
*C63818	No. 4-40	⅝	100
*C63819	No. 4-40	¾	100
*C63820	No. 4-40	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
*50506	No. 6-32	¼	100
*50508	No. 6-32	⅜	100
*50509	No. 6-32	½	100
*C63822	No. 6-32	⅝	100
*50511	No. 6-32	¾	100
*50512	No. 6-32	1	100
*50513	No. 6-32	1¼	100
*50514	No. 6-32	1½	100
*C63825	No. 6-32	1¾	100
*50516	No. 6-32	2	100
*C63827	No. 6-32	2½	100
*C63828	No. 6-32	3	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
*50519	No. 8-32	¼	100
*50521	No. 8-32	⅜	100
*50522	No. 8-32	½	100
*50523	No. 8-32	⅝	100
*50524	No. 8-32	¾	100
*50525	No. 8-32	1	100
*50526	No. 8-32	1¼	100
*50527	No. 8-32	1½	100
*50528	No. 8-32	1¾	50
*50529	No. 8-32	2	50
*C63830	No. 8-32	2½	100
*C63831	No. 8-32	3	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
*C63578	No. 10-24	¼	100
*50534	No. 10-24	⅜	100
*50535	No. 10-24	½	50
*C63580	No. 10-24	⅝	100

Continued on next page

*NOTE: No. 10-24 = 3/16"

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No.	Dia. - TPI	Length (In.)	Unit
*50537	No. 10-24	¾	50
*50538	No. 10-24	1	50
*50539	No. 10-24	1¼	100
*50540	No. 10-24	1½	50
*C60833	No. 10-24	1¾	100
*50542	No. 10-24	2	50
*50543	No. 10-24	2½	50
*50544	No. 10-24	3	50
*C60835	No. 10-24	4	100

UNF Part No.	Dia. - TPI	Length (In.)	Unit
*50545	No. 10-32	¼	100
*50546	No. 10-32	5/16	100
*50549	No. 10-32	½	100
*50550	No. 10-32	5/8	100
*50551	No. 10-32	¾	100
*50552	No. 10-32	1	100
*50553	No. 10-32	1¼	100
*50554	No. 10-32	1½	100
*C60837	No. 10-32	1¾	100
*50556	No. 10-32	2	50
*C60838	No. 10-32	2½	100
*C60839	No. 10-32	3	100

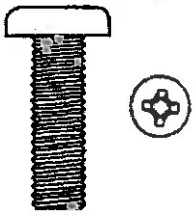
UNC Part No.	Dia. - TPI	Length (In.)	Unit
*50559	No. 12-24	½	100
*50561	No. 12-24	¾	100
*50562	No. 12-24	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
*50566	No. ¼-20	5/16	100
*50567	No. ¼-20	½	100
*50568	No. ¼-20	5/8	100
*50569	No. ¼-20	¾	100
*50570	No. ¼-20	1	100
*50571	No. ¼-20	1¼	50
*50572	No. ¼-20	1½	50
*50573	No. ¼-20	1¾	50
*50574	No. ¼-20	2	50
*50575	No. ¼-20	2½	50
*50576	No. ¼-20	3	50
*C60845	No. ¼-20	4	50

*Part numbers available in Canada only.

Pan Head

Machine Screws
Phillips Pan Head



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
35793	No. 4-40	¼	100
35794	No. 4-40	5/16	100
35795	No. 4-40	⅜	100
35796	No. 4-40	½	100
C37154	No. 4-40	⅝	100
C37155	No. 4-40	¾	100
C37156	No. 4-40	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
35801	No. 6-32	¼	50
C37159	No. 6-32	5/16	100
35801-1	No. 6-32	⅜	50
35802	No. 6-32	½	50
35802-1	No. 6-32	⅝	50
35803	No. 6-32	¾	50
35804	No. 6-32	1	50
35804-2	No. 6-32	1¼	50
35804-1	No. 6-32	1½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
35805	No. 8-32	¼	50
C37163	No. 8-32	5/16	100
35805-1	No. 8-32	⅜	50
35806	No. 8-32	½	50
35806-1	No. 8-32	⅝	50
35807	No. 8-32	¾	50
35808	No. 8-32	1	50
35808-1	No. 8-32	1¼	50
35809	No. 8-32	1½	50
35809-1	No. 8-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP75314	No. 10-24	¼	100
35810-1	No. 10-24	⅜	50
35810	No. 10-24	½	50
35810-2	No. 10-24	⅝	50
35811	No. 10-24	¾	50
KP35073	No. 10-24	⅞	100
35812	No. 10-24	1	50
35813	No. 10-24	1¼	50
35813-1	No. 10-24	1½	50
KP85075	No. 10-24	1¾	50
35814	No. 10-24	2	50

UNF Part No.	Dia. - TPI	Length (In.)	Unit
35816	No. 10-32	¼	50
35816-1	No. 10-32	⅜	50
35817	No. 10-32	½	50
35817-1	No. 10-32	⅝	50
35818	No. 10-32	¾	50
KP35076	No. 10-32	⅞	100
35819	No. 10-32	1	50
35819-1	No. 10-32	1¼	50
35820	No. 10-32	1½	50
KP35079	No. 10-32	1¾	50
35821	No. 10-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP75326	12-24	½	100
KP75327	12-24	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
35824	¼-20	¾	50
35825	¼-20	1	50
35825-1	¼-20	5/8	50
35826	¼-20	¾	50
35827	¼-20	1	50
35827-1	¼-20	1¼	50
35828	¼-20	1½	50
C37202	¼-20	1¾	50
35829	¼-20	2	50
C37203	¼-20	2½	25
C37204	¼-20	3	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP75334	5/16-18	¾	50

Machine Screws
Slotted Pan Head



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP77940	4-40	¼	100
KP77942	4-40	½	100
KP77944	4-40	¾	100
KP77945	4-40	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
35870	No. 6-32	¼	100
KP84916	No. 6-32	⅜	100
35872	No. 6-32	½	100
35873	No. 6-32	¾	100
KP77951	No. 6-32	1	100
KP76302	No. 6-32	1½	100
KP76303	No. 6-32	2	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
35875	No. 8-32	¼	100
KP84920	No. 8-32	⅜	100
35877	No. 8-32	½	100
35878	No. 8-32	¾	100
35879	No. 8-32	1	100
KP77954	No. 8-32	1½	50
KP77955	No. 8-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
35880	No. 10-24	½	100
35881	No. 10-24	¾	100
35882	No. 10-24	1	100
35883	No. 10-24	1¼	100
35884	No. 10-24	1½	50

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Machine Screws

Continued from previous page

UNF Part No.	Dia. - TPI	Length (In.)	Unit
35890	No. 10-32	¼	100
KP84933	No. 10-32	⅜	100
35891	No. 10-32	½	100
35892	No. 10-32	¾	100
35893	No. 10-32	1	100
35895	No. 10-32	1¼	50
KP84937	No. 10-32	2	50
KP84937	No. 10-32	2½	50
KP84938	No. 10-32	3	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
35836	No. 12-24	½	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
35896	¼-20	½	100
35897	¼-20	¾	100
35898	¼-20	1	100
KP78008	¼-20	1½	50
KP78009	¼-20	2	50

Truss Head

Machine Screws
Phillips Truss Head



- Zinc Plated

Part No.	Dia. - TPI	Length (In.)	Unit
KP84959	No. 10-24	½	100
KP84969	No. 10-24	¾	100

Part No.	Dia. - TPI	Length (In.)	Unit
KP84964	No. 10-32	½	100
KP84966	No. 10-32	¾	100

Part No.	Dia. - TPI	Length (In.)	Unit
KP84968	¼-28	½	100
KP84969	¼-20	¾	100
KP84970	¼-20	1	100
KP84972	¼-20	1½	50

Machine Screws
Slotted Truss Head



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
C620909	No. 6-32	¼	100
34939	No. 6-32	½	50
KC84995	No. 6-32	¾	100
KC84996	No. 6-32	1	100
C84998	No. 6-32	1½	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
K34946	No. 8-32	½	50
KC85000	No. 8-32	¾	100
K34948	No. 8-32	1	50
KC85002	No. 8-32	1¼	100
C85003	No. 8-32	1½	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
34950	No. 10-24	⅜	100
34951	No. 10-24	½	100
K34951-1	No. 10-24	⅝	100
34952	No. 10-24	¾	100
34953	No. 10-24	1	100
K34954	No. 10-24	1¼	100
KC85547	No. 10-24	1½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
34956	¼-20	½	100
34956-1	¼-20	⅝	100
34957	¼-20	¾	100
34958	¼-20	1	100
K34959	¼-20	1¼	100
34960	¼-20	1½	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
K34961	5/16-18	½	100
34962	5/16-18	¾	100
C85555	5/16-18	1	100
C85556	5/16-18	1¼	50

Flat Head

Machine Screws
Phillips Flat Head



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP76022	No. 4-40	¼	100
37821	No. 4-40	½	100
37822	No. 4-40	¾	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
37832	No. 6-32	¼	50
37833	No. 6-32	⅜	50
37834	No. 6-32	½	50
KP85566	No. 6-32	⅝	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
37836	No. 6-32	¾	50
37837	No. 6-32	1	50
KP85585	No. 6-32	1¼	100
37838	No. 6-32	1½	50
37839	No. 6-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
37841	No. 8-32	¼	50
37842	No. 8-32	⅜	50
37843	No. 8-32	½	50
KP74035	No. 8-32	⅝	100
37845	No. 8-32	¾	50
KP85570	No. 8-32	⅞	100
37846	No. 8-32	1	50
37847	No. 8-32	1¼	50
C26153	No. 8-32	1½	100
37850	No. 8-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP85571	No. 10-24	⅜	100
37852	No. 10-24	½	50
37853	No. 10-24	¾	50
37854	No. 10-24	1	50
37855	No. 10-24	1¼	50
37857	No. 10-24	1½	50
37859	No. 10-24	2	50
37860	No. 10-24	3	50

UNF Part No.	Dia. - TPI	Length (In.)	Unit
37862	No. 10-32	⅜	50
37863	No. 10-32	½	50
37864	No. 10-32	⅝	50
37865	No. 10-32	¾	50
37866	No. 10-32	1	50
C26164	No. 10-32	1¼	100
C26165	No. 10-32	1½	100
C26166	No. 10-32	2	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
37873	No. 12-24	½	50
37874	No. 12-24	¾	50
37875	No. 12-24	1	50
37877	No. 12-24	1¾	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
37880	¼-20	⅜	50
37881	¼-20	½	50
C5492	¼-20	⅝	100
37882	¼-20	¾	50
37883	¼-20	1	50
37884	¼-20	1¼	50
37885	¼-20	1½	50
37885-13/4	¼-20	1¾	50
37887	¼-20	2	50
37887-21/2	¼-20	2½	50
37888	¼-20	3	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP76053	5/16-18	¾	50
KP76964	5/16-18	1	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
37903	⅜-16	1½	50

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Machine Screws
Slotted Flat Head



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31069-5	No. 4-40	¼	50
31069-6	No. 4-40	½	50
31069-7	No. 4-40	¾	50
31069-8	No. 4-40	1	50
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
31066	No. 5-40	¼	50
31067	No. 5-40	⅜	50
31068	No. 5-40	½	50
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
31070	No. 6-32	¼	50
31070-1	No. 6-32	⅜	50
31071	No. 6-32	½	50
31071-1	No. 6-32	⅝	50
31072	No. 6-32	¾	50
31073	No. 6-32	1	50
31073-1	No. 6-32	1¼	50
31073-2	No. 6-32	1½	50
31073-3	No. 6-32	2	50
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
31075	No. 8-32	¼	50
31075-[illegible]	No. 8-32	⅜	50
31076	No. 8-32	½	50
31076-1	No. 8-32	⅝	50
31077	No. 8-32	¾	50
31078	No. 8-32	1	50
31078-1	No. 8-32	1¼	50
31078-2	No. 8-32	1½	50
31078-3	No. 8-32	2	50
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
31080	No. 10-24	¼	50
31081	No. 10-24	½	50
31082	No. 10-24	⅜	50
31083	No. 10-24	1	50
31083-1	No. 10-24	1¼	50
31084	No. 10-24	1½	50
31084-[illegible]	No. 10-24	1¾	50
31084-1	No. 10-24	2	50
31084-2	No. 10-24	2½	50
31084-3	No. 10-24	3	50
UNF Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
31085	No. 10-32	¼	50
31085-1	No. 10-32	⅜	50
31086	No. 10-32	½	50
31086-1	No. 10-32	⅝	50
31087	No. 10-32	¾	50
31088	No. 10-32	1	50

UNF Part No.	Dia. - TPI	Length (In.)	Unit
31038-1	No. 10-32	1¼	50
31039	No. 10-32	1½	50
31039-1	No. 10-32	2	50
31039-2	No. 10-32	3	50
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
31090-[illegible]	No. 12-24	⅜	50
31090	No. 12-24	½	50
31091	No. 12-24	¾	50
31092	No. 12-24	1	50
31092-1	No. 12-24	1¼	50
31093	No. 12-24	1½	50
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
34405-1/2	¼-20	½	100
MP34405-1/2	¼-20	½	50
MP71243	¼-20	⅝	100
34405-3/4	¼-20	¾	100
MP34405-3/4	¼-20	¾	50
34405-1	¼-20	1	100
MP34405-1	¼-20	1	50
34405-1 1/4	¼-20	1¼	100
34405-1 1/2	¼-20	1½	100
34405-1 3/4	¼-20	1¾	100
34405-2	¼-20	2	100
34405-2 1/4	¼-20	2¼	100
34405-2 1/2	¼-20	2½	100
34405-3	¼-20	3	100
34405-3 1/2	¼-20	3½	100
34405-4	¼-20	4	100
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
34410-1/2	5/16-18	½	100
34410-3/4	5/16-18	¾	100
34410-1	5/16-18	1	100
34410-1 1/4	5/16-18	1¼	100
34410-1 1/2	5/16-18	1½	100
34410-2	5/16-18	2	100
34410-3	5/16-18	3	100
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
34415-3/4	⅜-16	¾	50
34415-1	⅜-16	1	50
34415-1 1/4	⅜-16	1¼	100
34415-1 1/2	⅜-16	1½	50
34415-2	⅜-16	2	50
34415-2 1/2	⅜-16	2½	100
34415-3	⅜-16	3	50
34415-4	⅜-16	4	50
34415-6	⅜-16	6	50
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
35845	½-13	1	25
35845-1	½-13	1¼	25
35846	½-13	1½	25
35849	½-13	2	25

Machine Screws
Flat Head Square Drive



- Case hardened
- Zinc chromate plated steel
- Square socket drive

UNC Part No.	Dia. - TPI	Length (In.)	Unit
[illegible]	No. 6-32	¼	100
[illegible]	No. 6-32	⅜	100
[illegible]	No. 6-32	½	100
[illegible]	No. 6-32	⅝	100
[illegible]	No. 6-32	¾	100
[illegible]	No. 6-32	1	100
[illegible]	No. 6-32	1¼	100
[illegible]	No. 6-32	1½	100
[illegible]	No. 6-32	1¾	100
[illegible]	No. 6-32	2	100
[illegible]	No. 6-32	2½	100
[illegible]	No. 6-32	3	100
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
[illegible]	No. 8-32	⅜	100
[illegible]	No. 8-32	½	100
[illegible]	No. 8-32	⅝	100
[illegible]	No. 8-32	¾	100
[illegible]	No. 8-32	1	100
[illegible]	No. 8-32	1¼	100
[illegible]	No. 8-32	1½	100
[illegible]	No. 8-32	1¾	100
[illegible]	No. 8-32	2	100
[illegible]	No. 8-32	2½	100
[illegible]	No. 8-32	3	100
UNC Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
[illegible]	No. 10-24	⅜	100
[illegible]	No. 10-24	½	100
[illegible]	No. 10-24	⅝	100
[illegible]	No. 10-24	¾	100
[illegible]	No. 10-24	1	100
[illegible]	No. 10-24	1¼	100
[illegible]	No. 10-24	1½	100
[illegible]	No. 10-24	1¾	50
[illegible]	No. 10-24	2	50
[illegible]	No. 10-24	2½	100
[illegible]	No. 10-24	3	100
UNF Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
[illegible]	No. 10-32	⅜	100
[illegible]	No. 10-32	½	100
[illegible]	No. 10-32	⅝	100
[illegible]	No. 10-32	¾	100
[illegible]	No. 10-32	1	100
[illegible]	No. 10-32	1¼	100
[illegible]	No. 10-32	1½	100
[illegible]	No. 10-32	1¾	100

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNF Part No.	Dia. - TPI	Length (In.)	Unit
+C68836	No. 10-32	2	100
+C68837	No. 10-32	2½	100
+C68838	No. 10-32	3	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
+50667	No. ¼-20	½	100
+C68811	No. ¼-20	⅝	100
+50669	No. ¼-20	¾	100
+50670	No. ¼-20	1	100
+50671	No. ¼-20	1¼	100
+50672	No. ¼-20	1½	100
+C68812	No. ¼-20	1¾	100
+50674	No. ¼-20	2	100
+50675	No. ¼-20	2½	100
+50676	No. ¼-20	3	100

+Part numbers available in Canada only.

Oval Head

Machine Screws
Phillips Oval Head



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38850	No. 6-32	¼	50
38851	No. 6-32	⅜	50
38852	No. 6-32	½	50
38853	No. 6-32	⅝	50
38854	No. 6-32	¾	50
38855	No. 6-32	1	50
38856	No. 6-32	1¼	50
38857	No. 6-32	1½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38858	No. 8-32	⅜	50
38859	No. 8-32	½	50
38860	No. 8-32	⅝	50
38861	No. 8-32	¾	50
38862	No. 8-32	1	50
38863	No. 8-32	1¼	50
38864	No. 8-32	1½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38865	No. 10-24	⅜	50
38866	No. 10-24	½	50
38867	No. 10-24	¾	50
38868	No. 10-24	1	50
38869	No. 10-24	1¼	50
38870	No. 10-24	1½	50

UNF Part No.	Dia. - TPI	Length (In.)	Unit
38871	No. 10-32	⅜	50
38872	No. 10-32	½	50
38873	No. 10-32	⅝	50
38874	No. 10-32	¾	50
38875	No. 10-32	1	50
38876	No. 10-32	1¼	50
38877	No. 10-32	1½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38878	No. 12-24	½	50
38879	No. 12-24	¾	50
38880	No. 12-24	1	50
38881	No. 12-24	1½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
38882	¼-20	½	50
38883	¼-20	¾	50
38884	¼-20	1	50
38885	¼-20	1¼	50
38886	¼-20	1½	50

Machine Screws
Slotted Oval Head



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31024	No. 6-32	½	100
31025	No. 6-32	⅝	100
31026	No. 6-32	¾	100
31027	No. 6-32	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31030	No. 8-32	½	100
31031	No. 8-32	⅝	50
31032	No. 8-32	¾	50
31033	No. 8-32	1	50

UNF Part No.	Dia. - TPI	Length (In.)	Unit
31044	No. 10-32	½	100
31045	No. 10-32	⅝	50
31046	No. 10-32	¾	50
31047	No. 10-32	1	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31051	No. 12-24	¾	50
31052	No. 12-24	1	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
31056	¼-20	¾	50
31057	¼-20	1	50
31059	¼-20	1½	50

Hex Head

Machine Screws
Hex Head



- Zinc plating

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP85117	No. 6-32	½	100
KP85118	No. 6-32	¾	100
KP85119	No. 6-32	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP85744	No. 8-32	⅜	100
KP85180	No. 8-32	½	100
KP85122	No. 8-32	¾	100
KP85123	No. 8-32	1	100
KP85125	No. 8-32	1½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP85126	No. 10-24	½	100
KP85127	No. 10-24	¾	100
KP85128	No. 10-24	1	100
KP85129	No. 10-24	1¼	50
KP85130	No. 10-24	1½	50

UNF Part No.	Dia. - TPI	Length (In.)	Unit
KP85131	No. 10-32	½	100
KP85132	No. 10-32	¾	100
KP85133	No. 10-32	1	100
KP85134	No. 10-32	1¼	50
KP85135	No. 10-32	1½	50
KP85136	No. 10-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
KP85771	¼-20	½	100
KP85773	¼-20	¾	100
KP85774	¼-20	1	100

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Thumb Screws

Thumb Screws
Cold Forged with Shoulder



- UNC (USS) or UNF (SAE)
- Steel
- Non-plated
- Tighten and loosen with finger pressure
- Use where frequent disassembly is required
- Length is measured from under the head

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia.	Length (In.)	Approx. Head Width (In.)	Unit
34420-1/2	*	No. 8	½	⅜	25
34420-3/4	*	No. 8	¾	⅜	25
34420-1	*	No. 8	1	⅜	25

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Approx. Head Width (In.)	Unit
34421-1/2	34422-1/2	No. 10	½	½	25
34421-3/4	34422-3/4	No. 10	¾	½	25
34421-1	34422-1	No. 10	1	½	25

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (In.)	Approx. Head Width (In.)	Unit
34423-1/2	*	¼	½	5/16	25
34423-3/4	*	¼	¾	5/16	25
34423-1	*	¼	1	5/16	25
34423-1 1/4	*	¼	1¼	5/16	25
34423-1 1/2	*	¼	1½	5/16	25
34423-2	*	¼	2	5/16	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Approx. Head Width (In.)	Unit
34424-1/2	*	5/16	½	3/8	25
34424-3/4	*	5/16	¾	3/8	25
34424-1	*	5/16	1	3/8	25
34424-1 1/4	*	5/16	1¼	3/8	25
34424-1 1/2	*	5/16	1½	3/8	25
34424-2	*	5/16	2	3/8	25

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia.	Length (In.)	Approx. Head Width (In.)	Unit
34425-3/4	*	⅜	¾	7/16	25
34425-1	*	⅜	1	7/16	25
34425-1 1/2	*	⅜	1½	7/16	25
34425-2	*	⅜	2	7/16	25

Thumb Screws
Cold Forged Without Shoulder



- UNC (USS) or UNF (SAE)
- Steel
- Non-plated
- Tighten and loosen with finger pressure
- Use where frequent disassembly is required
- Length is measured from under the head

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Approx. Head Width (In.)	Unit
*	34441-1/2	No. 10	½	7/16	25
[illegible]	*	No. 10	½	7/16	100
34441-1	34441-1	No. 10	1	15/32	25

UNC Part No. TPI-20	UNC Part No. TPI-28	Dia. (In.)	Length (In.)	Approx. Head Width (In.)	Unit
34432-1/2	*	¼	½	¾	25
34432-3/4	*	¼	¾	¾	25
34432-1	*	¼	1	¾	25
34432-1 1/4	*	¼	1¼	¾	
34432-1 1/2	*	¼	1½	¾	
34432-2	*	¼	2	¾	25
34432-3	*	¼	3	¾	25

UNC Part No. TPI-18	UNC Part No. TPI-24	Dia. (In.)	Length (In.)	Approx. Head Width (In.)	Unit
34433-3/4	*	5/16	¾	15/16	25
34433-1	*	5/16	1	15/16	25
[illegible]	*	5/16	1½	15/16	50
34433-2	*	5/16	2	15/16	25

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (In.)	Length (In.)	Approx. Head Width (In.)	Unit
34444-3/4	*	⅜	¾	1 3/16	25
34445-1	*	⅜	1	1 3/16	25
[illegible]	*	⅜	1½	1 5/16	25
[illegible]	*	⅜	2	1 5/16	10
[illegible]	*	⅜	3	1 5/16	5

Torx Button Head

Torx Button Head Machine Screw
Zinc Plated



- Use in trailer applications
- Zinc plated
- Torx drive

Part No.	Dia. TPI	Length (In.)	Torx Size	Unit
390374	⅜-16	1	T40	50
390373	⅜-16	1¼	T40	50
34259	⅜-16	1½	T45	50

Pan Head

Sheet Metal Screws
Phillips Pan Head



- Case hardened steel
- Zinc plated

Part No.	Dia.	Length (In.)	Unit
32858-1/4	No. 4	¼	50
32858-3/8	No. 4	⅜	50
32858-1/2	No. 4	½	50
32858-5/8	No. 4	⅝	50
32858-3/4	No. 4	¾	50
32858-1	No. 4	1	50

Part No.	Dia.	Length (In.)	Unit
32860	No. 6	¼	50
32861	No. 6	⅜	50
32862	No. 6	½	50
32863	No. 6	⅝	50
32864	No. 6	¾	50
MP78532	No. 6	⅞	100
32865	No. 6	1	50
32866	No. 6	1¼	50
32867	No. 6	1½	50
32868	No. 6	2	50

Part No.	Dia.	Length (In.)	Unit
32872	No. 7	½	50
32873	No. 7	⅝	50
32874	No. 7	¾	100
32876	No. 7	1	50

Part No.	Dia.	Length (In.)	Unit
32881	No. 8	¼	100
32881	No. 8	⅜	50
32882	No. 8	½	100
MP32882	No. 8	½	50
32883	No. 8	⅝	50

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Sheet Metal Screws

Continued from previous page

Part No.	Dia.	Length (in.)	Unit
32084	No. 8	¾	50
32085	No. 8	⅞	50
32086	No. 8	1	50
32087	No. 8	1¼	50
32088	No. 8	1½	50
32089	No. 8	1¾	50
32090	No. 8	2	50
32090-21/2	No. 8	2½	50
32090-3	No. 8	3	50

Part No.	Dia.	Length (in.)	Unit
32091	No. 10	⅜	50
32092	No. 10	½	50
32093	No. 10	⅝	50
32094	No. 10	¾	50
32095	No. 10	⅞	50
32096	No. 10	1	50
32097	No. 10	1¼	50
32098	No. 10	1½	50
32098-13/4	No. 10	1¾	50
32099	No. 10	2	50
32101	No. 10	2½	50
32101-3	No. 10	3	50

Part No.	Dia.	Length (in.)	Unit
32102	No. 12	½	50
32103	No. 12	⅝	50
32104	No. 12	¾	50
32105	No. 12	⅞	50
32106	No. 12	1	25
32107	No. 12	1¼	25
32108	No. 12	1½	25
32110-13/4	No. 12	1¾	25
32110-2	No. 12	2	25
32110-21/2	No. 12	2½	25
32110-3	No. 12	3	25

Part No.	Dia. (in.)	Length (in.)	Unit
32112	¼	½	50
32113	¼	⅝	50
32114	¼		100
32115	¼	¾	25
32116	¼	1	25
32117	¼	1¼	25
32118	¼	1½	25
32118-13/4	¼	1¾	25
32119	¼	2	25
32111-21/2	¼	2½	25
32111-3	¼	3	25

Sheet Metal Screws
Phillips Pan Head



- Case hardened steel
- Black oxide finish

Part No.	Dia.	Length (in.)	Unit
33827	No. 6	⅛	50
33823	No. 6	¼	50
C33817	No. 6	⅜	100
33863	No. 6	¾	50
33881	No. 6	1	50

Part No.	Dia.	Length (in.)	Unit
C33280	No. 8	⅜	100
33832	No. 8	½	50
33833	No. 8	⅝	50
33834	No. 8	¾	50
33835	No. 8	1	50
33836-1	No. 8	1¼	50
33836-2	No. 8	1½	50

Part No.	Dia.	Length (in.)	Unit
33838	No. 10	½	50
33839-1	No. 10	⅝	50
33839	No. 10	¾	50
33840	No. 10	1	50
33840-1	No. 10	1¼	50
33840-2	No. 10	1½	50
33840-3	No. 10	2	50

Part No.	Dia.	Length (in.)	Unit
33842	No. 12	½	50
33842-1	No. 12	⅝	50
33842-2	No. 12	¾	50
33842-3	No. 12	1	50

Part No.	Dia. (in.)	Length (in.)	Unit
C33242	¼	½	25
33844-1	¼	¾	50
C33245	¼	1	25
C33246	¼	1¼	25

Sheet Metal Screws
Slotted Pan Head



- Case hardened steel
- Zinc plated

Part No.	Dia.	Length (in.)	Unit
31700	No. 4	¼	100
31701	No. 4	⅜	100
31702	No. 4	½	100
31703	No. 4	⅝	100

Part No.	Dia.	Length (in.)	Unit
31710	No. 6	¼	100
31711	No. 6	⅜	100
31712	No. 6	½	100
31713	No. 6	⅝	100
31714	No. 6	¾	100
31716	No. 6	1	100
31717	No. 6	1¼	100

Part No.	Dia.	Length (in.)	Unit
31722	No. 7	½	100
31724	No. 7	¾	100
31726	No. 7	1	100

Part No.	Dia.	Length (in.)	Unit
31730	No. 8	¼	100
31731	No. 8	⅜	100
31732	No. 8	½	100
31733	No. 8	⅝	100
31734	No. 8	¾	100
31735	No. 8	⅞	100
31736	No. 8	1	100
31737	No. 8	1¼	100

Part No.	Dia.	Length (in.)	Unit
31738	No. 8	1½	100
*31738-1	No. 8	1¾	100
31739	No. 8	2	100
31740	No. 8	2½	100

Part No.	Dia.	Length (in.)	Unit
31741	No. 10	¾	100
31742	No. 10	½	100
31743	No. 10	⅝	100
31744	No. 10	¾	100
31745	No. 10	⅞	50
31746	No. 10	1	50
31747	No. 10	1¼	50
31748	No. 10	1½	50
31749	No. 10	1¾	50
31750	No. 10	2	50
31753-1	No. 10	2½	50
*31751	No. 10	3	50

Part No.	Dia.	Length (in.)	Unit
31752	No. 12	½	100
31753	No. 12	⅝	100
31754	No. 12	¾	50
31755	No. 12	⅞	50
31756	No. 12	1	50
31757	No. 12	1¼	50
31758	No. 12	1½	50
*31759	No. 12	1¾	50
31760	No. 12	2	50
*31760-1	No. 12	2½	50
*31761	No. 12	3	50

Part No.	Dia.	Length (in.)	Unit
31762	¼	½	50
31763	¼	⅝	50
31764	¼	¾	50
31765	¼	⅞	50
31766	¼	1	50
31767	¼	1¼	50
31768	¼	1½	50
*31768-1	¼	1¾	50
31769	¼	2	50
*31770	¼	2½	50
31771	¼	3	50

Sheet Metal Screws
Phillips & Slotted Universal Pan Head



- Case hardened steel
- Zinc plated

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia.	Length (In.)	Unit
38705	No. 6	⅜	50
38707	No. 6	½	50
38709	No. 6	¾	50
38711	No. 6	1	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
38718	No. 8	⅜	50
38719	No. 8	½	50
38721	No. 8	¾	50
38723	No. 8	1	50
38724	No. 8	1¼	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
38727	No. 10	½	50
38729	No. 10	¾	50
38731	No. 10	1	50
38732	No. 10	1¼	50
38733	No. 10	1½	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
38736	No. 12	½	50
38738	No. 12	¾	50
38740	No. 12	1	50
38741	No. 12	1¼	50
38742	No. 12	1½	50

Sheet Metal Screws

Pan Head Square Drive



- Case hardened steel
- Zinc plated

Part No.	Dia.	Length (In.)	Unit
40770	No. 6	⅜	100
40771	No. 6	¾	100
40772	No. 6	1	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
40774	No. 8	⅜	100
40775	No. 8	½	100
40776	No. 8	¾	100
40777	No. 8	1	100
40778	No. 8	1¼	100
40779	No. 8	1½	100
40780	No. 8	2	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
40782	No. 10	½	50
40783	No. 10	⅝	50
40784	No. 10	¾	50
40785	No. 10	1	50
40786	No. 10	1¼	50
40787	No. 10	1½	50
40789	No. 10	2	50
40791	No. 10	3	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
40792	No. 12	¾	50
40793	No. 12	1	50
40794	No. 12	1¼	50
40795	No. 12	1½	50

Sheet Metal Screws

Pan Head Square Drive - ✦Canada Only



- Case hardened
- Socket drive — self tapping
- Secures sheet metal, asbestos, composition plywood

Part No.	Dia.	Length (In.)	Unit
✦C63783	No. 4	¼	100
✦50301	No. 4	⅜	100
✦50302	No. 4	½	100
✦C67431	No. 4	⅝	100
✦50304	No. 4	¾	100
✦C63785	No. 4	1	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
✦C68736	No. 5	⅜	100
✦C63787	No. 5	½	100
✦C63788	No. 5	⅝	100
✦50308	No. 5	¾	100
✦C68740	No. 5	1	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
✦CD5552204	No.6	¼	100
✦50310	No. 6	⅜	100
✦50311	No. 6	½	100
✦50312	No. 6	⅝	100
✦50313	No. 6	¾	100
✦C68742	No. 6	⅞	100
✦50315	No. 6	1	100
✦50316	No. 6	1¼	100
✦50317	No. 6	1½	100
✦CD5552206	No. 6	2	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
✦50318	No. 7	½	100
✦50319	No. 7	⅝	100
✦50321	No. 7	¾	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
✦C67453	No. 8	⅜	100
✦50627	No. 8	½	100
✦50628	No. 8	⅝	100
✦50629	No. 8	¾	100
✦C68745	No. 8	⅞	100
✦50631	No. 8	1	100
✦50632	No. 8	1¼	100
✦50633	No. 8	1½	100
✦CD5552210	No. 8	1¾	100
✦50634	No. 8	2	50
✦CD5552212	No. 8	2½	100
✦C63748	No. 8	3	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
✦C67447	No. 10	⅜	100
✦50635	No. 10	½	100
✦50636	No. 10	⅝	100
✦50637	No. 10	¾	100
✦50638	No. 10	1	50
✦50640	No. 10	1¼	50
✦50641	No. 10	1½	50
✦C69919	No. 10	1¾	100
✦50642	No. 10	2	50
✦C63749	No. 10	2½	100
✦C63750	No. 10	3	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
✦50643	No. 12	½	100
✦50644	No. 12	⅝	100
✦50645	No. 12	¾	50
✦50646	No. 12	1	50

Part No.	Dia.	Length (In.)	Unit
✦50650	No. 12	1¼	50
✦50651	No. 12	1½	50
✦50652	No. 12	2	50
✦50653	No. 12	2½	50
✦50653-3	No. 12	3	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
✦CD5552223	No.14	½	100
✦50654	No. 14	⅝	50
✦50655	No. 14	¾	50
✦50657	No. 14	1	50
✦50658	No. 14	1¼	50
✦50659	No. 14	1½	50
✦C69920	No. 14	1¾	100
✦50660	No. 14	2	50

✦Part numbers available in Canada only.

Truss Head

Sheet Metal Screws

Slotted Truss Head



- Case hardened steel
- Zinc plated

Part No.	Dia.	Length (In.)	Unit
37906	No. 6	⅜	50
37907	No. 6	½	50
37909	No. 6	¾	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
37911	No. 8	⅜	50
37912	No. 8	½	50
C80591	No. 8	⅝	100
37914	No. 8	¾	50
37916	No. 8	1	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
37921	No. 10	½	50
37922	No. 10	⅝	50
37923	No. 10	¾	50
37925	No. 10	1	50
37927	No. 10	1½	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
37931	No. 12	⅝	100
37932	No. 12	¾	50
37933	No. 12	1	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
37944	¼	1	25

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Sheet Metal Screws

Square Drive Truss Head Sheet Metal Screws - +Canada Only



- Zinc plating.

Part No.	Dia.	Length (mm).	Unit
+C68754	No. 6	3/8	100
+C[illegible]	No. 6	1/2	100
+C68757	No. 6	5/8	100
+C68758	No. 6	3/4	100
+C68759	No. 6	1	100
+C68760	No. 6	1 1/4	100
+C68761	No. 6	1 1/2	100
+C68762	No. 8	3/8	100
+C68763	No. 8	1/2	100
+C68764	No. 8	5/8	100
+C68765	No. 8	3/4	100
+C68766	No. 8	1	100
+C68767	No. 8	1 1/4	100
+C68768	No. 8	1 1/2	100
+C68769	No. 8	2	100
+CD356484	No. 10	1/2	100
+C68771	No. 10	5/8	100
+C68772	No. 10	3/4	100
+C68773	No. 10	1	100
+C68774	No. 10	1 1/4	100
+C68775	No. 10	1 1/2	100

Flat Head

Sheet Metal Screws
Phillips Flat Head - Zinc



- Case hardened steel
- Zinc plated

Part No.	Dia.	Length (in.)	Unit
34719	No. 4	1/4	100
34720	No. 4	3/8	100
34721	No. 4	1/2	100
34722-5/8	No. 4	5/8	100
34723	No. 4	3/4	100
34724	No. 4	1	100
Part No.	Dia.	Length (in.)	Unit
CT0196	No. 6	1/4	100
C37465	No. 6	3/8	100
34725	No. 6	1/2	100
34726	No. 6	5/8	100
34727	No. 6	3/4	100
34729	No. 6	1	100
34730	No. 6	1 1/4	100
34731-1/2	No. 6	1 1/2	100
34732	No. 8	3/4	100
34733	No. 8	1/2	100
34734	No. 8	5/8	100
34735	No. 8	3/4	100
34736	No. 8	1	100
34737	No. 8	1 1/4	100
34738	No. 8	1 1/2	100
34739	No. 8	1 3/4	100
34740	No. 8	2	100
34741	No. 8	2 1/2	100
34742	No. 8	3	100
Part No.	Dia.	Length (in.)	Unit
34750	No. 10	1/2	50
34751	No. 10	5/8	50
34752	No. 10	3/4	50
34753	No. 10	1	50
34754	No. 10	1 1/4	50
34755	No. 10	1 1/2	50
34756	No. 10	1 3/4	50
34757	No. 10	2	50
34759	No. 10	2 1/2	50
34760	No. 10	3	50
Part No.	Dia.	Length (in.)	Unit
MP71697	No. 12	1/2	50
C37470	No. 12	5/8	100
34765	No. 12	3/4	50
34766	No. 12	1	50
34767	No. 12	1 1/4	50
34768	No. 12	1 1/2	50
34769	No. 12	1 3/4	50
34770	No. 12	2	50
34771-2 1/2	No. 12	2 1/2	50
34772-3	No. 12	3	50
Part No.	Dia.	Length (in.)	Unit
34773-3/8	1/4	3/8	50
34774-1	1/4	1	50
34775-1 1/4	1/4	1 1/4	50
34776	1/4	1 1/2	50
34782	1/4	2	50
34778	1/4	3	50

Sheet Metal Screws
Phillips Flat Head - Black Oxide



- Automotive trim applications

Part No.	Dia	Length	Unit
MP85114	No. 8	1/2	100
MP85115	No. 8	3/4	100
MP85416	No. 8	1	100

Sheet Metal Screws
Slotted Flat Head



- Case hardened steel
- Zinc plated

Part No.	Dia.	Length (in.)	Unit
[illegible]731	No. 6	1/2	100
[illegible]732	No. 6	3/4	100
[illegible]733	No. 6	1	100
Part No.	Dia.	Length (in.)	Unit
[illegible]735	No. 7	3/4	100
Part No.	Dia.	Length (in.)	Unit
[illegible]739	No. 8	3/4	100
[illegible]741	No. 8	1	100
[illegible]742	No. 8	1 1/4	100
[illegible]743	No. 8	1 1/2	50
[illegible]745	No. 8	2	50
Part No.	Dia.	Length (in.)	Unit
[illegible]746	No. 10	3/4	50
[illegible]747	No. 10	1	50
[illegible]748	No. 10	1 1/4	50
[illegible]749	No. 10	1 1/2	50
[illegible]750	No. 10	1 3/4	50
[illegible]751	No. 10	2	50
[illegible]752	No. 10	2 1/2	50
Part No.	Dia.	Length (in.)	Unit
[illegible]752-1	No. 12	3/4	50
[illegible]752-2	No. 12	1	50
[illegible]753	No. 12	1 1/2	50
[illegible]755	No. 12	2	50
Part No.	Dia.	Length (in.)	Unit
[illegible]757	1/4	3/4	50
[illegible]758	1/4	1	50
[illegible]759	1/4	1 1/2	50
[illegible]761	1/4	2	50

Sheet Metal Screws
Flat Head Square Drive - +Canada Only



- Case hardened
- Socket drive — self tapping
- Secures sheet metal, asbestos, composition plywood

Part No.	Dia.	Length (in.)	Unit
+C67465	No. 4	3/8	100
+[illegible]065	No. 4	1/2	100
+[illegible]066	No. 4	5/8	100
+[illegible]067	No. 4	3/4	100
+C68672	No. 4	1	100
Part No.	Dia.	Length (in.)	Unit
+[illegible]072	No. 6	3/8	100
+[illegible]073	No. 6	1/2	100
+[illegible]074	No. 6	5/8	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia.	Length (In.)	Unit
*50075	No. 6	¾	100
*C68679	No. 6	⅞	100
*50077	No. 6	1	100
*50078	No. 6	1¼	100
*50079	No. 6	1½	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
*C68682	No. 7	½	100
*C68683	No. 7	⅝	100
*C68685	No. 7	1	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
*50090	No. 8	½	100
*50091	No. 8	⅝	100
*50092	No. 8	¾	100
*C68690	No. 8	⅞	100
*50094	No. 8	1	100
*50095	No. 8	1¼	100
*50096	No. 8	1½	50
*50097	No. 8	2	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
*C68681	No. 10	½	100
*50099	No. 10	⅝	100
*50100	No. 10	¾	100
*50102	No. 10	1	50
*50103	No. 10	1¼	50
*50104	No. 10	1½	50
*C68707	No. 10	2	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
*C68713	No. 12	¾	100
*C68714	No. 12	1	100
*C68715	No. 12	1¼	100
*C68716	No. 12	1½	100
*C68718	No. 12	2	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
*C68723	No. 14	1	100
*C68724	No. 14	1½	100
*50114	No. 14	1½	50

*Part numbers available in Canada only.

Oval Head

Phillips Oval Head Sheet Metal Screws - Steel - Nickel Plating



These popular screws feature a sharp point for fast, easy starting and threading. They're ideal for general usage and electrical applications requiring a low profile head with a good bearing surface.

- Nickel plating

Part No.	Dia.	Head Size	Length (mm).	Unit
C12041	No. 4		¾	100
C12042	No. 4		½	100
C12008	No. 4		¾	100
C22633	No. 6		⅜	100
C22634	No. 6		½	100
C5320	No. 6		⅝	100
C5322	No. 6		¾	100
C22635	No. 6		⅞	100
C5326	No. 6		1	100
C5328	No. 6		1¼	50
C22636	No. 8		⅜	100
C7519	No. 8		½	100
C22637	No. 8		⅝	100
C7520	No. 8		¾	100
C22638	No. 8		⅞	100
C7521	No. 8		1	100
C22639	No. 8		1¼	50
C22640	No. 8		1½	50
C22641	No. 8		1¾	50
C12042	No. 8		2	50
C5341	No. 8	No. 6	½	100
C5348	No. 8	No. 6	¾	100
C5351	No. 8	No. 6	⅞	100
C5355	No. 8	No. 6	1	100
C5360	No. 8	No. 6	1¼	50
C5363	No. 8	No. 6	1½	50
C22642	No. 8	No. 6	2	50
C7522	No. 10		½	100
C22643	No. 10		⅝	100
C7523	No. 10		¾	100
C22644	No. 10		⅞	100
C7524	No. 10		1	100
C5379	No. 10		1¼	50
C22645	No. 10		1¼	50
C22646	No. 10		1½	50
C22647	No. 10		1¾	50
C12228	No. 10		2	50
C22657	No. 10	No. 8	½	100
C22658	No. 10	No. 8	⅝	100
C5383	No. 10	No. 8	¾	100
C12659	No. 10	No. 8	⅞	100
C5387	No. 10	No. 8	1	100
C22660	No. 10	No. 8	1¼	50
C5392	No. 10	No. 8	1½	50
C12947	No. 10	No. 8	2	50
C22651	No. 10	No. 6	¾	50
C22653	No. 10	No. 6	1	50
C22655	No. 10	No. 6	1½	50
C12931	No. 12	No. 10	¾	50
C12932	No. 12	No. 10	1	50
C12934	No. 12	No. 10	1½	50

Sheet Metal Screws
Phillips Oval Head



- Case hardened steel
- Zinc plated

Part No.	Dia.	Length (In.)	Unit
32010-T	No. 6	¼	100
32011	No. 6	⅜	100
32012	No. 6	½	100
32013	No. 6	⅝	100
32014	No. 6	¾	100
32015	No. 6	⅞	100
32016	No. 6	1	100
32017	No. 6	1¼	50

Part No.	Dia.	Length (In.)	Unit
32031	No. 8	⅝	100
32032	No. 8	½	100
32033	No. 8	⅝	100
32034	No. 8	¾	100
32035	No. 8	⅞	100
32036	No. 8	1	100
32037	No. 8	1¼	50
32038	No. 8	1½	50
32039	No. 8	1¾	50
32040	No. 8	2	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
32042	No. 10	½	50
32043	No. 10	⅝	50
32044	No. 10	¾	50
32045	No. 10	1	50
32047	No. 10	1¼	50
32048	No. 10	1½	50
32049	No. 10	1¾	50
32050	No. 10	2	50
32051	No. 10	2¼	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
32054	No. 12	¾	50
32055	No. 12	1	50
32057	No. 12	1½	50
XP81432	No. 12	2	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
XP1430	No. 14	1	50

Sheet Metal Screws
Phillips Oval Head



- Case hardened steel
- Black finish

Part No.	Dia.	Head Size	Length (In.)	Unit
38902	No. 6	6	¾	50
38903	No. 6	6	½	50
C22115	No. 6	6	⅝	50
38905	No. 6	6	¾	50
32305	No. 6	6	1	50
C22118	No. 6	6	1¼	50
Part No.	**Dia.**	**Head Size**	**Length (In.)**	**Unit**
38907	No. 8	8	½	50
38909	No. 8	8	¾	50
38910	No. 8	8	1	50
38911	No. 8	8	1¼	50
38912	No. 8	8	1½	50
C22127	No. 8	8	1¾	50
C22128	No. 8	6	½	50
XP66137	No. 8	6	⅝	100
C22122	No. 8	6	¾	50
C22124	No. 8	6	1	50

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Sheet Metal Screws

Continued from previous page

Part No.	Dia.	Head Size	Length (In.)	Unit
C22136	No. 8	6	1¼	50
C22138	No. 8	6	1½	50
C22139	No. 8	6	1¾	50

Part No.	Dia.	Head Size	Length (In.)	Unit
38313	No. 10	10	½	50
38314	No. 10	10	¾	50
38315	No. 10	10	1	50
38316	No. 10	10	1¼	50
38317	No. 10	10	1½	50
C22137	No. 10	10	2	50
C22132	No. 10	8	¾	50
C22134	No. 10	8	1½	50
C22133	No. 10	8	2	50

Sheet Metal Screws
Phillips Undersized Oval Head



- Case hardened steel
- Zinc plated

Part No.	Dia.	Head Size	Length (In.)	Unit
32131	No. 8	No. 6	⅜	50
32132	No. 8	No. 6	½	50
32133	No. 8	No. 6	⅝	50
32134	No. 8	No. 6	¾	50
32135	No. 8	No. 6	⅞	50
32136	No. 8	No. 6	1	50
32137	No. 8	No. 6	1¼	50
32138	No. 8	No. 6	1½	50
32139	No. 8	No. 6	1¾	50
32140	No. 8	No. 6	2	50

Part No.	Dia.	Head Size	Length (In.)	Unit
[illegible]	No. 10	No. 6	¾	100
32146-X	No. 10	No. 6	1	50
32147	No. 10	No. 6	1¼	50
32148	No. 10	No. 6	1½	50
32149	No. 10	No. 6	1¾	50
32144	No. 10	No. 8	¾	50
32145	No. 10	No. 8	1	50
32148-X	No. 10	No. 8	1½	50
32149-1	No. 10	No. 8	2	50

Part No.	Dia.	Head Size	Length (In.)	Unit
32156	No. 12	No. 10	⅛	50
32156-1	No. 12	No. 10	1	50

Sheet Metal Screws
Phillips Undersized Oval Head



- Case hardened steel
- Black oxide finish

Part No.	Dia.	Head Size	Length (In.)	Unit
38353	No. 8	No. 6	½	50
38355	No. 8	No. 6	¾	50

Part No.	Dia.	Head Size	Length (In.)	Unit
38360	No. 10	No. 8	½	50
38362	No. 10	No. 8	1	50
38363	No. 10	No. 8	1¼	50

Sheet Metal Screws
Slotted Oval Head



- Case hardened steel
- Zinc plated

Part No.	Dia.	Length (In.)	Unit
*31611	No. 6	⅜	100
*31612	No. 6	½	100
*31614	No. 6	¾	100
*31616	No. 6	1	100

Part No.	Dia.	Length (In.)	Unit
*31622	No. 7	½	100
*31624	No. 7	¾	100
*31626	No. 7	1	100

Part No.	Dia.	Length (In.)	Unit
*31631	No. 8	⅜	100
*31632	No. 8	½	100
*31633	No. 8	⅝	100
*31634	No. 8	¾	100
*31636	No. 8	1	100
*31637	No. 8	1¼	100
*31638	No. 8	1½	50

Part No.	Dia.	Length (In.)	Unit
*31642	No. 10	½	100
*31644	No. 10	¾	100
*31646	No. 10	1	50
*31647	No. 10	1¼	50
*31648	No. 10	1½	50
*31650	No. 10	2	50

Part No.	Dia.	Length (In.)	Unit
*31656	No. 12	1	50

Part No.	Dia.	Length (In.)	Unit
*31661	¼	¾	50
*31667	¼	1¼	50

Hex Head

Sheet Metal Screws
Indented Hex Head



- Case hardened steel
- Zinc plated

Part No.	Dia.	Length (In.)	Unit
C86255	No. 6	½	100

Part No.	Dia.	Length (In.)	Unit
31901	No. 8	⅜	50
31902	No. 8	½	50
C86258	No. 8	⅝	100
31903	No. 8	¾	50
31904	No. 8	1	50
31906	No. 8	1½	50

Part No.	Dia.	Length (In.)	Unit
31912	No. 10	½	50
31914	No. 10	¾	50
31916	No. 10	1	50
31917	No. 10	1¼	50
31918	No. 10	1½	50
*31920	No. 10	2	25

Part No.	Dia.	Length (In.)	Unit
31952	No. 12	½	50
C86262	No. 12	⅝	100
31954	No. 12	¾	50
31926	No. 12	1	50
*31927	No. 12	1¼	50
31928	No. 12	1½	50
*31930	No. 12	2	25

Part No.	Dia.	Length (In.)	Unit
31932	¼	½	50
31933	¼	⅝	50
31934	¼	¾	50
31935	¼	⅞	50
31936	¼	1	50
31937	¼	1¼	50
*31938	¼	1½	25
31939	¼	1½	50
31940	¼	1¾	25
31940-1	¼	2	25
31940-2	¼	2½	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia.	Length (In.)	Unit
31942	5/16	½	25
31944	5/16	¾	50
31945	5/16	⅞	50
31946	5/16	1	25
31946-1	5/16	1¼	25
31947	5/16	1½	25
‡C85870	5/16	1½	25
Part No.	**Dia.**	**Length (In.)**	**Unit**
31949	⅜	¾	25
31918	⅜	1	25
KP85493	⅜	1¼	25
31949-11/2	⅜	1½	25
‡C85873	⅜	1½	25

‡Black Oxide Finish

Self-Tapping Screws

Slotted Hex Washer Head - Self Piercing



- Case hardened steel
- Zinc plated
- Needle point
- Self-piercing
- ¼" hex
- Use drill chuck no. 33858

Part No.	Dia.	Length (In.)	Unit
31160	No. 6	⅜	50
KP74524	No. 6	½	100
KP74525	No. 6	¾	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
31161	No. 7	½	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
31162	No. 8	½	50
31163	No. 8	⅝	50
31164	No. 8	¾	50
31164-1	No. 8	1	50
31164-2	No. 8	1½	50
31164-3	No. 8	2	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
31165	No. 10	½	50
31165	No. 10	¾	50

Sheet Metal Screws

Slotted Hex Washer Head



- Case hardened steel
- Zinc plated

Part No.	Dia.	Length (In.)	Unit
31855	No. 6	⅜	50
31856	No. 6	½	50
C22768	No. 6	⅝	100
31857	No. 6	¾	50
C94033	No. 6	1	100
C94039	No. 6	1¼	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
KP81026	No. 7	½	100
KP71278	No. 7	¾	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
31858	No. 8	⅜	50
31859	No. 8	½	50
31859-5/8	No. 8	⅝	50
31859-3/4	No. 8	¾	50
31859-1	No. 8	1	50
C94016	No. 8	1¼	100
31859-11/2	No. 8	1½	50
C87626	No. 8	2	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
31859-5	No. 10	⅜	50
31860	No. 10	½	50
31861	No. 10	⅝	50
31862	No. 10	¾	50
31863	No. 10	1	50
31861-1	No. 10	1¼	50
31855-11/2	No. 10	1½	50
31856-2	No. 10	2	50
C97769	No. 10	2½	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
31866	No. 12	½	50
C23176	No. 12	⅝	50
31867	No. 12	¾	50
31868	No. 12	1	50
C22770	No. 12	1¼	50
31869-11/2	No. 12	1½	50
C97771	No. 12	2	100
C97772	No. 12	2½	100
C97773	No. 12	3	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
31870	¼	½	50
31871	¼	⅝	50
*CD556724	¼	⅝	100
31872	¼	¾	50
31874	¼	1	50
31876	¼	1¼	25
31877	¼	1½	25
31879	¼	2	25
C97793	¼	2½	100
*CD556664	¼	3	25
Part No.	**Dia.**	**Length (In.)**	**Unit**
31881	5/16	½	25
31882	5/16	¾	25
31884	5/16	1	25
31886	5/16	1¼	25
31888	5/16	1½	25
Part No.	**Dia.**	**Length (In.)**	**Unit**
*CD559163	⅜	1	25
*CD559215	⅜	1¼	25
*CD659195	⅜	1½	25

*Canada only *Black Oxide

Hex Head

Original TEKS® Brand

Hex Washer Head Self-Drilling Screws



- TEKS quality
- USA manufactured
- No. 8 diamter is electro-plated zinc
- No. 10, 12, and 1/4 diameters are Climaseal coated for extra corrosion protection

Part No.	Dia.	Length	Head	Point	Unit
KP66624	No. 8-18	½	Hex	No. 2	100
KP78819	No. 8-18	¾	Hex	No. 2	100
KP66625	No. 8-18	1	Hex	No. 2	100
Part No.	**Dia.**	**Length**	**Head**	**Point**	**Unit**
KP65626	No. 10-16	½	Hex	No. 3	100
KP65627	No. 10-16	¾	Hex	No. 3	100
KP65628	No. 10-16	1	Hex	No. 3	100
KP78820	No. 10-16	1¼	Hex	No. 3	100
KP76910	No. 10-16	1½	Hex	No. 3	100
Part No.	**Dia.**	**Length**	**Head**	**Point**	**Unit**
KP66629	No. 12-14	¾	Hex	No. 3	100
KP65630	No. 12-14	1	Hex	No. 3	100
KP78821	No. 12-14	1¼	Hex	No. 3	100
KP76911	No. 12-14	1½	Hex	No. 3	100
KP76912	No. 12-14	2	Hex	No. 3	100
Part No.	**Dia.**	**Length**	**Head**	**Point**	**Unit**
KP66631	¼-14	¾	Hex	No. 3	100
KP65632	¼-14	1	Hex	No. 3	100
KP78822	¼-14	1¼	Hex	No. 3	100
KP76913	¼-14	1½	Hex	No. 3	100
KP76914	¼-14	2	Hex	No. 3	100
Part No.	**Dia.**	**Length**	**Head**	**Point**	**Unit**
KP76449	No. 12-14	¾	Hex Seal Washer	No. 3	100
KP76450	No. 12-14	1	Hex Seal Washer	No. 3	100
Part No.	**Dia.**	**Length**	**Head**	**Point**	**Unit**
KP76451	¼-14	¾	Hex Seal Washer	No. 3	100
KP76452	¼-14	1	Hex Seal Washer	No. 3	100

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Self-Drilling Screws

ex Head Self-Drilling Screws - Drill Point - Domestic



- Case Hardened Steel
- Zinc plating
- Type BSD
- Made In USA

Part No.	Dia.	Length (In.)	Point	Unit
C84377	No. 6-20	⅜	No. 2	50
C84378	No. 6-20	½	No. 2	50
C84379	No. 6-20	¾	No. 2	50
C30219	No. 6-20	1	No. 2	50

Part No.	Dia.	Length (In.)	Point	Unit
C84380	No. 8-18	½	No. 2	50
C84381	No. 8-18	¾	No. 2	50
*FP30165	No. 8-18	¾	No. 2	100
C84382	No. 8-18	1	No. 2	50
C30220	No. 8-18	1¼	No. 2	50
C96487	No. 8-18	1½	No. 2	25
C96488	No. 8-18	2	No. 3	25

Part No.	Dia.	Length (In.)	Point	Unit
C84383	No. 10-16	½	No. 2	50
C84384	No. 10-16	¾	No. 2	50
C84385	No. 10-16	1	No. 3	50
C30222	No. 10-16	1¼	No. 3	50
C96489	No. 10-16	1½	No. 3	25
C96490	No. 10-16	2	No. 3	25

Part No.	Dia.	Length (In.)	Point	Unit
C84386	No. 12-14	¾	No. 3	25
C84387	No. 12-14	1	No. 3	25
C30224	No. 12-14	1¼	No. 3	25
C30225	No. 12-14	1½	No. 3	25
C84226	No. 12-14	1¾	No. 3	25
C30227	No. 12-14	2	No. 3	25

Part No.	Dia.	Length (In.)	Point	Unit
KP84453	No. 12-24	⅞	No. 4	50
KP84454	No. 12-24	1¼	No. 4.5	50

Part No.	Dia.	Length (In.)	Point	Unit
C84253	No. ¼-14	¾	No. 3	25
C84539	No. ¼-14	1	No. 3	25
C30228	No. ¼-14	1¼	No. 3	25
C84540	No. ¼-14	1½	No. 3	25
C96491	No. ¼-14	2	No. 3	25
C30250	No. ¼-14	2½	No. 3	25
C30231	No. ¼-14	3	No. 3	25

*Black Oxide Plating

SELF-DRILLING SCREWS

INSTALLATION TIPS

- To ensure best results a 1900 to 2500 RPM screwgun rated at four amps or higher, equipped with a depth locating nosepiece must be used
- During initial drilling, adequate pressure must be applied while keeping the fastener and screwgun perpendicular to the work surface. This will prevent walking and angle driving
- Drilling must be completed before the threads engage the material. This is due to the 10:1 ratio of thread advancement to material removal. Correct selection of Teks® self-drilling screws relative to material thickness is essential
- Never angle drive or overdrive self-drilling screws as this may lead to unsatisfactory product performance or product failure.

POINT	APPLICATIONS
#2	Ideal for fastening accessories, clips, sheet eave panels, liner panels and sheet panels to steel framing from .035" to .210" thick
#3	Ideal for fastening accessories, clips, duct straps or sheet to steel framing. For light plate & structural steel from .036" to .210" thick
#4	Ideal for fastening accessories, clips, sheet and liner panels to bar joist or structural steel. For medium structural and steel plate from .125" to .250" thick
#4.5	See #4 above. For medium structural and steel plate from .125" to .375" thick
#5	See #4 above. For heavy structural and steel plate from .250" to .500" thick

DRILL
Self-drilling screws drill their own hole and fasten material securely in steel up to 1/2 inch thick. The unique drill point assures quick and consistent drilling with minimal pressure



TAP
Self-drilling screws eliminate alignment problems. Quick penetration to structural steel eliminates rework, burn-throughs, marring and breakage caused by inferior fastening methods



FASTEN
Self-drilling screws provide consistent, strong holding power for pre-engineered metal construction and general construction



GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Self-Drilling Screws
Hex Head Self-Drilling Drill Point



- Case hardened steel
- Zinc plated
- Type BSD

Part No.	Dia.	Length (in.)	Point	Unit
33828-3/8	No. 6-20	⅜	No. 2	50
33828-1/2	No. 6-20	½	No. 2	50
33828-5/8	No. 6-20	⅝	No. 2	50
33828-3/4	No. 6-20	¾	No. 2	50

Part No.	Dia.	Length (in.)	Point	Unit
33829-1	No. 8-18	½	No. 2	100
C29859	No. 8-18	½	No. 2	1000
33829-2	No. 8-18	⅝	No. 2	100
33829-3	No. 8-18	¾	No. 2	100
C29860	No. 8-18	¾	No. 2	1000
*KP33165	No. 8-18	¾	No. 2	100
33829-4	No. 8-18	1	No. 2	100
C29861	No. 8-18	1	No. 2	1000
33829-5	No. 8-18	1¼	No. 2	100
33829-6	No. 8-18	1½	No. 2	100
C29862	No. 8-18	1½	No. 2	1000

Part No.	Dia.	Length (in.)	Point	Unit
33830-X	No. 10-16	½	No. 2	100
C29863	No. 10-16	½	No. 2	1000
33830	No. 10-16	⅝	No. 2	100
33831	No. 10-16	¾	No. 2	100
C29864	No. 10-16	¾	No. 2	1000
33833	No. 10-16	1	No. 2	100
C29865	No. 10-16	1	No. 2	1000
33834	No. 10-16	1¼	No. 3	100
33835	No. 10-16	1½	No. 3	100
C29866	No. 10-16	1½	No. 3	1000
33836	No. 10-16	1¾	No. 3	100
33836-2	No. 10-16	2	No. 3	100
C29867	No. 10-16	2	No. 3	1000
33834-21/2	No. 10-16	2½	No. 3	100
KP28116	No. 10-16	3	No. 3	100

Part No.	Dia.	Length (in.)	Point	Unit
33837	No. 12-14	¾	No. 3	100
C29868	No. 12-14	¾	No. 3	1000
33840	No. 12-14	1	No. 3	100
C29869	No. 12-14	1	No. 3	1000
33841	No. 12-14	1¼	No. 3	100
1562-1144	No. 12-14	1¼	No. 5	100
33842	No. 12-14	1½	No. 3	100
C29870	No. 12-14	1½	No. 3	500
33843	No. 12-14	1¾	No. 3	100
33844	No. 12-14	2	No. 3	100
C29871	No. 12-14	2	No. 3	500
1562-1145	No. 12-14	2	No. 5	100
KP28118	No. 12-14	2½	No. 3	100
KP28119	No. 12-14	3	No. 3	100

Part No.	Dia.	Length (in.)	Point	Unit
33845	¼-14	¾	3	100
C29872	¼-14	¾	3	500
33846	¼-14	1	3	100
C29873	¼-14	1	3	500
33847	¼-14	1¼	3	100
33850	¼-14	1½	3	100
C29874	¼-14	1½	3	500
33851	¼-14	1¾	3	100
33852	¼-14	2	3	100
33852-21/2	¼-14	2½	3	100
33852-3	¼-14	3	3	100
33852-4	¼-14	4	3	100

*Black Oxide

Hex Washer Head – Drill Point



- Used to fasten heavy gauge materials (.175-.500)
- Zinc plating
- Washer head provides strength and bearing surface.

Part No.	Point	Dia. - TPI	Length (in.)	Unit
C30178	No. 4	No. 12-14	⅞	25
C30179	No. 5	No. 12-14	1¼	25
C30180	No. 5	No. 12-14	1½	25
C30182	No. 5	¼-14	3	10
C30183	No. 5	¼-14	4	10

Self-Drilling Screws
Type BSD Self-Drilling/Tapping Screws



- Case hardened steel
- Zinc plated
- Use with nutsetters 120240 through 120247
- 9/16" O.D. washer

Hex Washer Head with Neoprene Seal Style 3

Part No.	Dia.	Length (in.)	Unit
KP76448	No. 10-16	¾	25

Part No.	Dia.	Length (in.)	Unit
CA33358	12-14	¾	50
C30192	12-14	1	25
C30193	12-14	1¼	25
C30194	12-14	1½	25

Part No.	Dia.	Length (in.)	Unit
31815	¼-14	¾	50
31816	¼-14	1	50
31817	¼-14	1¼	50
31818	¼-14	1½	50
31819	¼-14	2	50

Nutsetters



- Maximum strength - Made of shock-resistant tool steel and heat-treated for maximum strength and hardness
- Universal 1/4" hex shank - Fits most power screwdrivers, variable speed drills, and cordless drills
- Powerful magnet - Five times more powerful than common magnets; provides positive retention of the screw which improves speed of installation; ideal for extended reach applications
- Lobular design drive - Drives the fastener on the sides instead of forcing the corners to turn; maintains the true shape of the fastener; dramatically reduces breakage and stripping damage; provides more clearance on the corners of the fastener where point build-up can occur

Magnetic

Part No.	Hex Drive (in.)	Shank Dia. (in.)	Socket Body (in.)	OAL (in.)	Unit
120240	¼	¼	3/8	1⅜	1
120240-10	¼	¼	3/8	1⅜	10
120241	5/16	¼	½	1¾	1
120241-10	5/16	¼	½	1⅜	10
120242	3/8	¼	9/16	1⅜	1
120242-10	3/8	¼	9/16	1¾	10
120243	3/8	¼	5/8	1¾	1
120244	¼	¼	7/16	2 5/16	1
120244-10	¼	¼	7/16	2 5/16	10
120245	5/16	¼	½	2 5/16	1
120245-10	5/16	¼	½	2 5/16	10
120246	3/8	¼	9/16	2 5/16	1
120246-10	3/8	¼	9/16	2 5/16	10
120247	3/8	¼	5/8	2 5/16	1
KP35412	¼	¼	7/16	4	1
KP35413	5/16	¼	½	4	1

Pan Head

Self-Drilling Screws
Phillips Pan Head-Domestic



- Case hardened steel
- Climaseal coating for extra corosion protection

Part No.	Dia. (in.)	Length (in.)	Point	Unit
KP76915	No. 6	⅜	2	100
KP76916	No. 8	½	2	100
KP76917	No. 8	¾	2	100
KP76918	No. 8	1	2	100

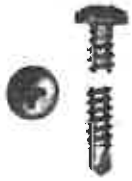
Part No.	Dia. (in.)	Length (in.)	Point	Unit
KP76919	No. 10	½	3	100
KP76920	No. 10	¾	3	100

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Self-Drilling Screws

Self-Drilling Screws

Type BSD Self-Drilling/Tapping Screws



- Case hardened steel
- Zinc plated
- Use with nutsetters 120240 through 120247

Phillips Pan Head Style 2

Part No.	Dia.	Length (In.)	Unit
33854-3/8	No. 6	3/8	100
33851	No. 6	1/2	250
MP33854	No. 6	1/2	100
33854-5/8	No. 6	5/8	100
33854-3/4	No. 6	3/4	100
33854-1	No. 6	1	100
33854-1 1/2	No. 6	1 1/2	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
33855	No. 8	1/2	250
MP33855	No. 8	1/2	100
MP50170	No. 8	1/2	100
33855-5/8	No. 8	5/8	100
33856	No. 8	3/4	250
MP33856	No. 8	3/4	100
33856-1	No. 8	1	100
33856-1 1/4	No. 8	1 1/4	100
33857	No. 8	1 1/2	250
MP33857	No. 8	1 1/2	100
MP61448	No. 8	2	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
520	No. 10	1/2	100
33857-5/8	No. 10	5/8	100
521	No. 10	3/4	100
522	No. 10	1	100
33857-1 1/4	No. 10	1 1/4	100
33857-1 1/2	No. 10	1 1/2	100
33857-2	No. 10	2	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
528	No. 12	1	50
C80556452*	12-14	7/8	100

*Phillips Flat Head
†Black Oxide Plating
✦Canada only

Self-Drilling Screws

Self-Drilling/Tapping Type - ✦Canada Only



Pan Head Socket Drive

Part No.	Dia.	Lgth.	Unit
✦C61066	No. 6	3/8	100
✦50138	No. 6	1/2	100
Part No.	**Dia.**	**Lgth.**	**Unit**
✦50135	No. 8	1/2	100
✦C69369	No. 8	5/8	100
✦50136	No. 8	3/4	100
✦C69071	No. 8	1	100
✦C69072	No. 8	1 1/4	100
✦C69073	No. 8	1 1/2	100
✦C69074	No. 8	2	100
Part No.	**Dia.**	**Lgth.**	**Unit**
✦50140	No. 10	1/2	100
✦C69076	No. 10	5/8	100
✦50141	No. 10	3/4	100
✦C69078	No. 10	1	100
✦C69079	No. 10	1 1/4	100
✦C69080	No. 10	1 1/2	100
✦C80556521	No. 10		100

✦Part numbers available in Canada only.

Pancake Head

Pancake Head Drill Point Screws



- Wide, low-profile pancake head provides large bearing surface
- Dual drive, Phillips No. 2 or No. 2 square recess
- Unique serrations under head help resist loosening
- Available in Zinc-yellow or highly resistant black e-coat
- Excellent for trailer repair.

Part No.	Dia.	Length (In.)	Coating	Clamping Length (In.)	Unit
C29745	No. 10	1	Black E-Coat	5/8	100
C29746	No. 10	1 1/4	Black E-Coat	29/32	100
C29747	No. 10	3/4	Zinc-Yellow	29/64	100
C29748	No. 10	1	Zinc-Yellow	5/8	100
C29749	No. 10	1 1/4	Zinc-Yellow	29/32	100

Note: Black E-Coat is a coating that is highly resistant to animal wastes.
This makes the fastener ideal for any trailer that transports farm animals and livestock.

Note: These fasteners install best at speeds between 1800 - 2500 RPM.

Applications

Part No.	Trailer Type	Applications
C29745	Livestock and horse trailers	Attach rubber mats over plywood to gage steel or aluminum side posts.
C29746	Livestock and horse trailers	
C29747	Dry freight, van bodies, containers	Plywood liner up to 1/4" thick.
C29748	Dry freight, van bodies, containers	Plywood liner 3/8"-1/2" thick.
C29749	Dry freight, van bodies, containers	Plywood liner 5/8"-3/4" thick.

Lath Screws – Phillips Head Steel



- Used to Repair Truck Trailer Walls
- No. 2 Drill Point
- Zinc or Black Oxide Finish

Part No.	Dia. - TPI	Length (In.)	Finish	Unit
C96775	No. 8-18	1/2	Zinc	100
C632929	No. 8-18	3/4	Zinc	100
C96777	No. 8-18	1	Zinc	100
C96776	No. 8-18	1 1/4	Zinc	100
C96772	No. 8-18	1/2	Black	100
C96774	No. 8-18	1	Black	100
C96773	No. 8-18	1 1/4	Black	100
325036	No. 10-24	3/4	Zinc	250

Flat Head

Wall Liner Screws

Self-Drilling Type/Drilltite® Torx® Wafer Head



- Case hardened steel
- Zinc plated
- Drill point
- For fastening plywood wall liner panels to metal framing members on truck trailers

Part No.	Dia.	Length (In.)	Torx Size	Unit
C30214	No. 10	3/4	T-25	50
2610-1	No. 10	1	T-25	50
2610-1 1/4	No. 10	1 1/4	T-25	50
2610-1 1/2	No. 10	1 1/2	T-25	50

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

66 Self-Drilling Screws/Thread Cutting Screws

Wafer Head Square Socket Self-Drilling Screws - No Wings

Canada Only

- Zinc plated

Part No.	Size	Wood Thickness	Metal Thickness	Point	Unit
*CD555360	10-24 x ¾	¼	.110-.175	#3	100
*CD555361	10-24 x 1	⅜	.110-.175	#3	100
*CD555362	10-24 x 1¼	¾	.110-.175	#3	100
*CD555364	10-24 x 1¾	½	.110-.175	#3	100

*Canada only

Wafer Head Square Socket Self-Drilling Screws - With Wings

Canada Only

- Zinc plated

Part No.	Size	Wood Thickness	Metal Thickness	Point	Unit
*CD555363	10-24 x 1½	¾	.110-.175	#3	100
*CD555365	12-24 x 2	1	.145-.312	#4	100
*CD555366	12-24 x 2½	1½	.145-.312	#4	100
*CD556648	12-24 x 3	2	.145-.312	#4	100

*Canada only

Hex Head

Self-Tapping Screws

Hex Washer Head Type D/Type 1 Point



- UNC (USS)
- Case hardened steel
- Zinc plated

Part No.	Dia. - TPI	Length (In.)	Unit
*CD556246	No. 8-32	½	50
31828-1/2	No. 8 - 32	½	50
31828-3/4	No. 8 - 32	¾	50
31828-1	No. 8 - 32	1	50
Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
31829	No. 10 - 24	⅜	50
31830	No. 10 - 24	½	50
31831	No. 10 - 24	¾	50
31832	No. 10 - 24	1	50
Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
31834	No. 12 - 24	½	50
31835	No. 12 - 24	¾	50
31836	No. 12 - 24	1	50

Part No.	Dia. - TPI	Length (In.)	Unit
31838	¼ - 20	½	50
31839	¼ - 20	¾	50
31840	¼ - 20	1	50
31840-1¼	¼ - 20	1¼	50
Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
31843	⅜ - 18	½	50
31844	⅜ - 18	¾	50
31845	⅜ - 18	1	50
Part No.	**Dia. - TPI**	**Length (In.)**	**Unit**
31846	⅜ - 16	¾	50
31847	⅜ - 16	1	50
31848	⅜ - 16	1½	50

NOTE: Due to a running change, some hex washer head screws will be slotted

*Canada Only

Hex Washer Head, Type F Point



- Case Hardened Steel
- Zinc Plating
- Screw Cuts and Taps Their Own Threads.

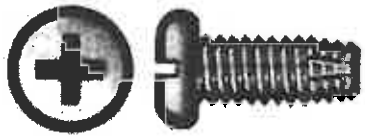
Part No.	Dia. - TPI	Length (In.)	Unit
C627300	6-32	¼	100
C627306	6-32	½	100
C627310	6-32	¾	100
C627314	6-32	1	100
C627346	8-32	½	100
C627386	10-24	½	100
C627390	10-24	¾	100
C627394	10-24	1	100
C627462	¼-20	½	50
C627465	¼-20	¾	50
C627470	¼-20	1	50
C627504	⅜-16	¾	50
C627508	⅜-16	1	50
CD556855	¼-20	⅝	100

*Canada only

*Type F point

Pan Head

Phillips Pan Head, Type F Point



- Case Hardened Steel
- Zinc Plating
- Screw Cuts and Tap Their Own Threads.

Part No.	Dia. - TPI	Length (In.)	Unit
C24015	6-32	¼	100
C24016	6-32	½	100
C24017	6-32	¾	100
C24018	8-32	½	100
C24019	8-32	¾	100
C24020	8-32	1	100
C24021	10-24	½	100
C24022	10-24	¾	100
C24023	10-24	1	100
C24024	10-32	½	100
C24025	10-32	¾	100
C24026	10-32	1	100
C24027	¼-20	½	50
*XP61201	¼-20	⅝	50
C25028	¼-20	¾	50
C25029	¼-20	1	50

*Slotted Panhead

Floorboard Screws

Floorboard Screws

Self-Tapping Type/Torx® Flat Head



- UNC (USS)
- Case hardened steel
- Phosphate and oil finish
- Type F point
- Use with Torx® drivers part nos. 32825 or 32826

Part No.	Dia. - TPI	Length (In.)	Torx Size	Unit
32801	¼ - 20	1	T-30	100
C31633	¼ - 20	1¼	T-30	100
32802	¼ - 20	1½	T-30	100
32803	¼ - 20	1¾	T-30	100
32804	¼ - 20	2	T-30	100
C31697	¼ - 20	2¼	T-30	100
32805	¼ - 20	2½	T-30	100
32806	¼ - 20	3	T-30	100
C31690	¼ - 20	3½	T-30	100
C29332	¼-20	4	T-30	100
Part No.	**Dia. - TPI**	**Length (In.)**	**Torx Size**	**Unit**
32817	⅜ - 18	2	T-40	100
32818	⅜ - 18	2½	T-40	100
*34254	⅜-18	2½	T40	250
C29333	⅜-18	3	T40	100
Bulk Part No.	**Dia. - TPI**	**Length (In.)**	**Torx Size**	**Unit**
32802-S	¼ - 20	1½	T-30	2000
32804-S	¼ - 20	2	T-30	1000
32804-1S	¼ - 20	2¼	T-30	1400
32825-S	¼ - 20	2½	T-30	1200
32803-S	¼ - 20	3	T-30	1000
C27150	¼ - 20	4	T-30	1100
Part No.	**Dia. - TPI**	**Length (In.)**	**Torx Size**	**Unit**
32817-S	⅜ - 18	2	T-40	1200
32817-1S	⅜ - 18	2¼	T-40	1000
32818-S	⅜ - 18	2½	T-40	800
C27153	⅜ - 18	3	T-40	980

*Special ¼" shoulder

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

All Purpose Screws/Wood/Lag/Drywall

Floorboard Screws

Phillips Flat Head



- Zinc Plating
- Type F point

Part No.	Dia.	Length (In.)	Unit
[illegible]	¼-20	2	100
KP62691	¼-20	2½	100
KP61972	¼-20	3	100

Floorboard Screws

CSD/Style 3 Phillips Flat Head Self-Drilling/Reaming/Tapping Type



- UNC (USS)
- Case hardened steel
- Zinc plated
- Reamer wings
- Drill point
- For drilling/reaming through wood (or other soft material) and then drilling and tapping metal framing

Part No.	Dia. - TPI	Length (In.)	Unit
KP83181	No. 10-24	1⅞	100
Part No.	Dia. - TPI	Length (In.)	Unit
KP81877	No. 12-24	2¼	100
KP31878	No. 12-24	2¾	100
Part No.	Dia. - TPI	Length (In.)	Unit
32881-2	¼-20	2	100
32881-21/2	¼-20	2½	100
KP81879	¼-20	3	100

Spax Universal

Spax® Universal Screws



- Case hardened steel
- Yellow chromate
- Teflon coated
- Flat head, pozidrive type
- Full thread — up to 1¼" length
  Partial thread — over 1¼" length
- Patented saw-knife bladed thread
- No pre-drilling
- For wood, plastic or sheet metal applications

Part No.	Dia.	Length (In.)	Unit
C28543	No. 6	¾	100
37511	No. 6	1	200
37514	No. 6	1½	200
Part No.	Dia.	Length (In.)	Unit
37517	No. 8	¾	200
37518	No. 8	1	200
37519	No. 8	1¼	200
37521	No. 8	1½	200
C28548	No. 8	1¾	50
37523	No. 8	2	200
37525	No. 8	2¼	100
C28550	No. 8	2½	50
C29823	No. 8	2½	5 Lb.
Part No.	Dia.	Length (In.)	Unit
37541	No. 10	¾	200
37542	No. 10	1	200
37543	No. 10	1¼	200
37545	No. 10	1½	200
37547	No. 10	2	200
37548	No. 10	2½	100
C28553	No. 10	3	25
C29824	No. 10	3	5 Lb.
Part No.	Dia.	Length (In.)	Unit
37556	No. 14[1]	1½	200
37558	No. 14[1]	2	200
37560	No. 14[1]	2½	100

(1) This size can be used for No. 12 applications.

Hex Head Lag Screws

Hex Head Lag Screws



- Low carbon steel
- Zinc plated

Part No.	Dia. (In.)	Length (In.)	Unit
32310	¼	1	50
32311	¼	1¼	50
32312	¼	1½	50
92314	¼	2	50
+CD559625*	¼	2	100
32316	¼	2½	50
32318	¼	3	50
32319	¼	3½	50
32320	¼	4	50
32320-1	¼	5	50
32320-2	¼	6	50
Part No.	Dia. (In.)	Length (In.)	Unit
32320-3	5/16	1	50
32321	5/16	1¼	50
32322	5/16	1½	50
KP86882	5/16	1¾	50
32323	5/16	2	50
32326	5/16	2½	50
32328	5/16	3	50
32329	5/16	3½	50
32330	5/16	4	50

Part No.	Dia. (In.)	Length (In.)	Unit
32330-1	5/16	4½	50
32331	5/16	5	50
32332	5/16	6	50
Part No.	Dia. (In.)	Length (In.)	Unit
32333	3/8	1	50
32334	3/8	1½	50
32336	3/8	2	50
32338	3/8	2½	50
32340	3/8	3	50
+CD559822*	3/8	3	50
32342	3/8	3½	50
32344	3/8	4	25
+CD559823*	3/8	4	25
32345	3/8	4½	25
32346	3/8	5	25
32347	3/8	5½	25
32348	3/8	6	25
+CD559824	3/8	6	25
32349	3/8	7	25
32349-1	3/8	8	25
Part No.	Dia. (In.)	Length (In.)	Unit
KP84888	½	1½	25
32350	½	2	25
32351	½	2½	25
32352	½	3	25
+CD559825*	½	3	25
32353	½	3½	25
32354	½	4	25
+CD557857	½	4	25
KP86890	½	4½	25
32356	½	5	25
32357	½	6	25
C96076	½	7	10
+CD557916	½	8	25
C96079	½	10	10

+Canada only
*Plain finish

Hex Head Lag Screws - Galvanized - +Canada only



- Low Carbon Steel
- Hot Dip Galvanized Plating

Part No.	Dia.	Length (In.)	Unit
+C97554	¼	1	100
+C97555	¼	1½	100
+C97556	¼	2	100
+C97557	¼	2½	100
+C97558	¼	3	100
+C97559	¼	3½	100
+C97560	¼	4	100
+C97562	¼	5	100
+C97564	¼	6	100
+C97565	5/16	1	100
+C97566	5/16	1½	100
+C97567	5/16	2	100
+C97568	5/16	2½	100
+C97569	5/16	3	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia.	Length (In.)	Unit
+C97570	5/16	3½	100
+C97571	5/16	4	100
+C97572	5/16	5	100
+C97575	5/16	6	100
+C97578	3/8	2	100
+C97579	3/8	2½	100
+C97580	3/8	3	100
+C97581	3/8	3½	100
+C97582	3/8	4	100
+C97584	3/8	5	50
+C97586	3/8	6	50
+C97588	3/8	8	25
+C97589	3/8	10	10
+C97592	1/2	2	50
+C97593	1/2	2½	50
+C97594	1/2	3	50
+C97596	1/2	4	50
+C97598	1/2	5	50
+C97600	1/2	6	25
+C97602	1/2	8	25
+C97608	1/2	10	10
+C97604	1/2	12	10

Round Head

Wood Screws

Slotted Round Head



- Meets ANSI/ASME B18.6.1 specifications
- Low carbon steel
- Zinc plated

Part No.	Dia.	Length (In.)	Unit
¤35901	No. 4	½	100
35902	No. 4	¾	100
¤35903	No. 4	1	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
35910	No. 6	½	100
¤35911	No. 6	¾	100
¤35912	No. 6	1	100
¤35913	No. 6	1¼	100
¤35914	No. 6	1½	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
35920	No. 8	½	100
35921	No. 8	¾	100
35922	No. 8	1	100
35923	No. 8	1¼	100
35924	No. 8	1½	100
¤35925	No. 8	2	100
¤35938	No. 8	3	50

Part No.	Dia.	Length (In.)	Unit
35933	No. 10	1	100
35934	No. 10	1¼	100
¤35935	No. 10	1½	50
¤35937	No. 10	2	50
¤35939	No. 10	2½	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
¤35942	No. 12	1¼	100
¤35943	No. 12	1½	50
¤35945	No. 12	2	50
¤35947	No. 12	3	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
35948	No. 14	1	50

Wood Screws

Round Head Square Drive - +Canada Only



- Case hardened
- Drill point
- Double lead thread for faster wood penetration
- Greater holding power in all types of wood and most manufactured boards

Part No.	Dia. (In.)	Length (In.)	Unit
+50131	4	⅜	100
+50132	4	½	100
+50133	4	⅝	100
+50134	4	¾	100
+C68625	4	1	100
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
+C91635	5	⅜	100
+C62637	5	½	100
+C63638	5	⅝	100
+50139	5	¾	100
+C63640	5	1	100
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
+50145	6	⅜	100
+50146	6	½	100
+50147	6	⅝	100
+50148	6	¾	100
+C68646	6	⅞	100
+50150	6	1	100
+50151	6	1¼	100
+50152	6	1½	100
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
+50153	7	½	100
+50155	7	¾	100
+50157	7	1	100
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
+C68658	8	⅜	100
+50160	8	½	100
+50161	8	⅝	100
+50162	8	¾	100
+C68654	8	⅞	100
+50164	8	1	100
+50165	8	1¼	100
+50166	8	1½	100
+50167	8	1¾	50
+50168	8	2	50
+50170	8	2½	50
+C97547	8	3	100
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
+C68655	9	¾	100

Part No.	Dia. (In.)	Length (In.)	Unit
+C68656	10	⅜	100
+53180	10	½	100
+50181	10	⅝	100
+50182	10	¾	100
+50184	10	1	100
+50185	10	1¼	100
+50186	10	1½	100
+50187	10	1¾	50
+50188	10	2	50
+C67553	10	2¼	100
+50190	10	2½	50
+50191	10	3	50
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
+50192	12	½	100
+50193	12	⅝	100
+C68662	12	¾	100
+50195	12	1	100
+50196	12	1¼	100
+50197	12	1½	100
+50199	12	2	100
+50201	12	2¼	50
+C67562	12	3	100
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
+C68664	14	⅝	100
+C68665	14	¾	100
+50204	14	1	100
+C68667	14	1¼	100
+50206	14	1½	100
+50208	14	2	100
+50210	14	2½	100
+50211	14	3	50

+Part numbers available in Canada only.

Flat Head

Wood Screws

Phillips Flat Head



- Meets ANSI/ASME B18.6.1 specifications
- Low carbon steel
- Zinc plated

Part No.	Dia.	Length (In.)	Unit
35635	No. 3	½	100
35636	No. 3	¾	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
35640	No. 4	¾	100
35632	No. 4	½	100
KP86370	No. 4	¾	100
KP86371	No. 4	1	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
35657	No. 5	½	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Wood/Lag/Drywall Screws

Continued from previous page

Part No.	Dia.	Length (In.)	Unit
35659	No. 6	½	100
35660	No. 6	¾	100
35661	No. 6	1	100
35661-11/4	No. 6	1¼	100
35662	No. 6	1½	100
KP86378	No. 6	1¾	100
KP86379	No. 6	2	100

Part No.	Dia.	Length (In.)	Unit
35701	No. 7	½	100
KP86381	No. 7	¾	100
KP86382	No. 7	1	100
35703	No. 7	1½	100

Part No.	Dia.	Length (In.)	Unit
35663	No. 8	½	100
35664	No. 8	⅝	100
35665	No. 8	1	100
35666	No. 8	1¼	100
35667	No. 8	1½	100
35668-13/4	No. 8	1¾	100
35668	No. 8	2	100
35669	No. 8	2½	100
35670	No. 8	3	100

Part No.	Dia.	Length (In.)	Unit
KP86395	No. 10	½	100
35674-3/4	No. 10	¾	50
35673	No. 10	1	100
35674	No. 10	1¼	100
35675	No. 10	1½	50
35675-13/4	No. 10	1¾	50
35676	No. 10	2	50
35676-21/4	No. 10	2¼	50
35677	No. 10	2½	50
35678	No. 10	3	50
35678-31/2	No. 10	3½	50

Part No.	Dia.	Length (In.)	Unit
35679	No. 12	¾	50
35680	No. 12	1	50
35680-11/4	No. 12	1¼	50
35681	No. 12	1½	50
KP86396	No. 12	1¾	100
35682	No. 12	2	50
35683	No. 12	2½	50
35684	No. 12	3	50

Part No.	Dia.	Length (In.)	Unit
C90624	No. 14	1	100
35686	No. 14	1½	50
KP86397	No. 14	1¾	100
35687	No. 14	2	50
KP76342	No. 14	2½	100
35688	No. 14	3	50

Part No.	Dia.	Length (In.)	Unit
35509	No. 4	¾	100
35510	No. 4	½	100
35512	No. 4	¾	100
35514	No. 4	1	100

Part No.	Dia.	Length (In.)	Unit
35529	No. 6	½	100
35531	No. 6	¾	100
35533	No. 6	1	100
KP35534	No. 6	1¼	100
35535	No. 6	1½	100
KP35536	No. 6	1¾	100
KP35537	No. 6	2	100

Part No.	Dia.	Length (In.)	Unit
35551	No. 8	½	100
35553	No. 8	¾	100
35555	No. 8	1	100
35556	No. 8	1¼	100
35557	No. 8	1½	100
35558	No. 8	1¾	100
35559	No. 8	2	100
KP35561	No. 8	2½	50
KP35562	No. 8	3	50

Part No.	Dia.	Length (In.)	Unit
35577	No. 10	½	100
35579	No. 10	¾	100
35581	No. 10	1	100
35582	No. 10	1¼	100
35583	No. 10	1½	50
35584	No. 10	1¾	50
35585	No. 10	2	50
35586	No. 10	2½	50
35587	No. 10	3	50

Part No.	Dia.	Length (In.)	Unit
35590	No. 12	¾	100
35592	No. 12	1	100
35593	No. 12	1¼	100
35594	No. 12	1½	50
35595	No. 12	1¾	50
35596	No. 12	2	50
KP35597	No. 12	2½	50
KP35598	No. 12	3	50

Part No.	Dia.	Length (In.)	Unit
35601	No. 14	¾	50
35603	No. 14	1	50
KP68335	No.14	1¼	100
35605	No. 14	1½	50
35606	No. 14	1¾	50
35607	No. 14	2	50
35608	No. 14	2½	50
35609	No. 14	3	50
KP35610	No. 14	3½	25

Part No.	Dia.	Length (In.)	Unit
KP35615	No. 16	1	50
35618	No. 16	2	50
35619	No. 16	2½	50

Wood Screws

Slotted Flat Head



- Meets ANSI/ASME B18.6.1 specifications
- Low carbon steel
- Zinc plated

Wood Screws

Flat Head Square Drive



- Plain finish with dry lubricant
- No pre-drilling required

Part No.	Dia.	Length (In.)	Unit
KP80290	No. 8	1	50
KP80291	No. 8	1¼	50
KP80292	No. 8	1½	50
KP80293	No. 8	1¾	50
KP80294	No. 8	2	50
KP80295	No. 8	2½	50
KP80296	No. 8	3	50

Wood Screws

Flat Head Square Drive - *Canada Only



- Case hardened
- Drill point
- Double lead thread for faster wood penetration
- Greater holding power in all types of wood and most manufactured boards

Part No.	Dia.	Length (In.)	Unit
*50253	No. 4	⅜	100
*50236	No. 4	½	100
*50237	No. 4	⅝	100
*50238	No. 4	¾	100
*50240	No. 4	1	100

Part No.	Dia.	Length (In.)	Unit
*C68596	No. 5	⅜	100
*50242	No. 5	½	100
*50243	No. 5	⅝	100
*50244	No. 5	¾	100
*50245	No. 5	1	100
*C68601	No. 5	1¼	100

Part No.	Dia.	Length (In.)	Unit
*C67493	No. 6	⅜	100
*50250	No. 6	½	100
*50251	No. 6	⅝	100
*50252	No. 6	¾	100
*50254	No. 6	1	100
*50255	No. 6	1¼	100
*50256	No. 6	1½	100
*C68603	No. 6	1¾	100
*C68604	No. 6	2	100

Part No.	Dia.	Length (In.)	Unit
*50257	No. 7	½	100
*50258	No. 7	⅝	100
*50259	No. 7	¾	100
*50261	No. 7	1	100
*50262	No. 7	1¼	100
*50263	No. 7	1½	100

Part No.	Dia.	Length (In.)	Unit
*50264	No. 8	½	100
*50265	No. 8	⅝	100
*50266	No. 8	¾	100
*C68613	No. 8	⅞	100
*50268	No. 8	1	100
*50269	No. 8	1¼	100
*50270	No. 8	1½	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia.	Length (in.)	Unit
◆50271	No. 8	1¾	50
◆50272	No. 8	2	50
◆50273	No. 8	2¼	50
◆50274	No. 8	2½	50
◆50275	No. 8	3	50
◆50276	No. 8	3½	50
◆C68615	No. 8	4	100

Part No.	Dia.	Length (in.)	Unit
◆50277	No. 9	¾	100
◆50279	No. 9	1	100
◆50280	No. 9	1¼	100
◆50281	No. 9	1½	100
◆C68620	No. 9	1¾	100
◆50283	No. 9	2	50
◆50284	No. 9	2½	50

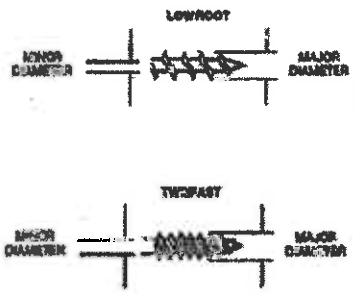
Part No.	Dia.	Length (in.)	Unit
◆C68624	No. 10	½	100
◆50285	No. 10	⅝	100
◆50286	No. 10	¾	100
◆50288	No. 10	1	100
◆50289	No. 10	1¼	100
◆50290	No. 10	1½	100
◆50291	No. 10	1¾	50
◆50292	No. 10	2	50
◆50293	No. 10	2¼	50
◆50294	No. 10	2½	50
◆50295	No. 10	3	50
◆50296	No. 10	3½	50
◆C67521	No. 10	4	100

Part No.	Dia.	Length (in.)	Unit
◆C68626	No. 12	¾	100
◆50299	No. 12	1	100
◆50300	No. 12	1¼	100
◆50301	No. 12	1½	100
◆50302	No. 12	1¾	100
◆50303	No. 12	2	100
◆50304	No. 12	2¼	50
◆50305	No. 12	2½	50
◆50306	No. 12	3	50
◆50307	No. 12	3½	50
◆50308	No. 12	4	50

Part No.	Dia.	Length (in.)	Unit
◆C68627	No. 14	1	100
◆C68628	No. 14	1¼	100
◆50310	No. 14	1½	100
◆C68629	No. 14	1¾	100
◆50312	No. 14	2	100
◆50314	No. 14	2½	100
◆50315	No. 14	3	50
◆50316	No. 14	3½	50
◆50317	No. 14	4	50

◆Part numbers available in Canada only.

Low Root Wood Screws
Canada Only



- Fewer threads per inch than standard twinfast screws
- Ideal for particle board applications

Square Socket Flat Head
Zinc plating

Part No.	Dia. (in.)	Length (in.)	Unit
◆CDS56191	No. 6	⅝	100
◆CDS56191-2	No. 6	⅝	4000
◆CDS562150	No. 8	1	200
◆CDS56231	No. 8	1½	100
◆CDS562640	No. 8	2	800
◆CDS56288	No. 8	2	100
◆CDS56280	No. 8	2	800
◆CDS56296-2	No. 8	2½	600
◆CDS562950	No. 8	2½	600
◆CDS56310-2	No. 8	3	400
◆CDS56312	No. 8	3	400

◆Canada only

Square Socket Round Head Plain Finish

Part No.	Dia. (in.)	Length (in.)	Unit
◆CDS562150	No. 8	1	1000
◆CDS56218-2	No. 8	1	2000
◆CDS562410	No. 8	1¼	1500
◆CDS56241-2	No. 8	1¼	1500
◆CDS562631	No. 8	1½	1300
◆CDS56230	No. 8	1½	100
◆CDS56220-2	No. 8	1½	1300
◆CDS56237	No. 8	2	100
◆CDS562870	No. 8	2	800
◆CDS56287-2	No. 8	2	800
◆CDS56295	No. 8	2½	100
◆CDS562950	No. 8	2½	600
◆CDS56295-2	No. 8	2½	600
◆CDS563010	No. 8	3	400
◆CDS56309-2	No. 8	3	400

◆Canada only

Decking Screws

Decking Screws – Dual Drive Flat Head



These unique screws have a square/phillips drive flat head with coarse thread. Ideal for decks, shipping docks, fencing and wood maintenance items.

- Square drive bits included with 5 lb. boxes
- Galvanized plating.

Part No.	Size (in.)	Length (in.)	Unit	5lb. Box
C29301	No. 8	1	100	C29308
C29302	No. 8	1¼	100	
C29303	No. 8	1½	100	
C29304	No. 8	2	100	C29309
C29305	No. 8	2½	100	C29310
C29306	No. 8	3	100	C29311

Square Drive Flat Head Decking Screws – ◆Canada Only



- Powder coated
- Corrosion resistant

Green Part No.	Brown Part No.	Grey Part No.	Dia.	Length (in.)	Unit
◆C68914	◆C68920	◆C68926	8	1½	100
◆C68915	◆C68921	◆C68927	8	1¾	100
◆C68916	◆C68922	◆C68928	8	2	100
◆C68917	◆C68923	◆C68929	8	2½	100
◆C68918	◆C68924	◆C68930	8	3	100
◆C68919	◆C68925	◆C68931	10	3½	100

Drywall Screws

Drywall Screws
Phillips Bugle Head



- Low carbon steel
- Part nos. 35480 — 35487
  - — Extra sharp point
  - — For attaching drywall to metal studs from 25 gauge to 20 gauge

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Wood/Lag/Drywall Screws

*tinued from previous page

arse Thread Dacrotized Finish

Part No.	Dia.	Length (In.)	Unit
35460	No. 6	1	100
35461	No. 6	1⅛	100
35462	No. 6	1¼	100
35463	No. 6	1⅝	100
*KP83278	No. 6	1¾	100
35464	No. 6	2	100
35465	No. 6	2¼	100
Part No.	Dia.	Length (In.)	Unit
*KP84284	No. 7	2	100
Part No.	Dia.	Length (In.)	Unit
35466	No. 8	2½	100
*KP84285	No. 8	2½	100
35467	No. 8	3	100
*KP84291	No. 8	3	100
Part No.	Dia.	Length (In.)	Unit
KP84287	No. 10	3½	100

*Special synthetic coating

Coarse Thread Black Finish

Part No.	Dia.	Length (In.)	Unit
35470	No. 6	1	100
35471	No. 6	1⅛	100
35472	No. 6	1¼	100
35473	No. 6	1⅝	100
35474	No. 6	2	100
35475	No. 6	2¼	100
Part No.	Dia.	Length (In.)	Unit
35476	No. 8	2½	100
35477	No. 8	3	100
Part No.	Dia.	Length (In.)	Unit
KP1053	No. 10	3¼	100
KP1051	No. 10	4½	100

Fine Thread Black Phosphate Finish

Part No.	Dia.	Length (In.)	Unit
35480	No. 6	1	100
35481	No. 6	1⅛	100
35482	No. 6	1¼	100
35483	No. 6	1⅝	100
35484	No. 6	2	100
35485	No. 6	2¼	100
Part No.	Dia.	Length (In.)	Unit
35486	No. 8	2½	100
35487	No. 8	3	100

Bulk Pack - Fine Thread - Black

Part No.	Dia.	Length (In.)	Unit
C95933	No. 6	1	5 lb
C97340	No. 6	1	25 lb
C95936	No. 6	1⅝	5 lb
C97343	No. 6	1⅝	25 lb
C95937	No. 6	2	5 lb
C97344	No. 6	2	25 lb
Part No.	Dia.	Length (In.)	Unit
C95939	No. 8	2½	5 lb
C95940	No. 8	3	5 lb
C97347	No. 8	3	25 lb

Square Drive Flat Head Particle Board Screws – +Canada Only



- Zinc plating
- Corrosion resistant

Part No.	Dia.	Length (In.)	Unit
+C68932	No. 6	⅝	100
+C68933	No. 6	¾	100
+C68934	No. 8	1	100
+C68935	No. 8	1 - ¼	100
+C68936	No. 8	1 - ½	100
+C68937	No. 8	1 - ¾	100
+C68938	No. 8	2	100
+C68939	No. 8	2 - ½	100
+C68940	No. 8	3	100

Chipboard Screws

Phillips Flat Head Chipboard Screws

With Nibs and Type 17 Auger Point



- Black oxide plating
- Nibs under the head of the screw bite into the material which resists material slippage during pull-out or vibration
- Type 17 auger point removes material during driving which helps provide cleaner and faster assembly operation
- Use in chipboard, drywall, fiberboard, and wood

Part No.	Dia. (In.)	Length (In.)	Unit
989025-1	No. 8 x 1	1	100
989025-2	No. 8 x 1	1	500
989026-1	No. 8 x 1¼	1¼	100
989026-2	No. 8 x 1¼	1¼	500
989027-1	No. 8 x 1½	1½	100
989027-2	No. 8 x 1½	1½	500
989028-1	No. 8 x 1¾	1¾	100
989028-2	No. 8 x 1¾	1¾	500
989029-1	No. 8 x 2	2	100
989029-2	No. 8 x 2	2	500
989032-1	No. 8 x 2¼	2¼	100
989032-2	No. 8 x 2¼	2¼	500
989033-1	No. 8 x 2½	2½	100
989033-2	No. 8 x 2½	2½	500
989031-1	No. 8 x 3	3	100
989031-2	No. 8 x 3	3	500

Floorboard Screws

Torx Pan Head - Zinc Plated



- Use in trailer applications
- Zinc plated
- Torx drive
- Type F thread cutting point

Part No.	Dia. TPI	Length (In.)	Torx Size	Unit
34252	5/16-18	1¼	T40	200
31253	5/16-18	2	T40	250

Accessory Mounting Screws

Phillips Bugle Head with Hi-Lo Threads



- For use on drywall, wood and laminates
- Black finish
- Hi-Lo thread advances the screw quickly
- Sharp S point dimples the steel adding rigidity and greater holding strength

Part No.	Dia.	Length (In.)	Drywall Thickness	Unit
KP76344	No. 8	1	⅜-⅝	100
KP76345	No. 8	1⅛	⅜-¾	100
KP76346	No. 8	1¼	⅜-⅞	100
KP76347	No. 8	1⅝	½-1¼	100
KP76348	No. 8	2¼	1 1/16-1⅞	100
KP83278	No. 8	2½	1⅜-2¼	100
KP76349	No. 8	3	1⅞-2⅝	100
Part No.	Dia.	Length (In.)	Drywall Thickness	Unit
*KP76350	⅜	7/16		100

* Pan head style used to fasten metal studs to metal runners

Phillips Bugle Head with S-12 Drill Point



- S-12 point is designed to penetrate heavy gauge metal
- Fine Thread
- Black finish

Part No.	Dia.	Length (In.)	Drywall Thickness	Unit
KP76351	No. 6	1	⅜-½	100
KP76352	No. 6	1¼	⅜-⅞	100
KP76353	No. 6	1⅝	⅜-1¼	100
KP83279	No. 6	1⅞	⅜-1½	100
Part No.	Dia.	Length (In.)	Drywall Thickness	Unit
KP76354	No. 8	3	1⅜-2½	100

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bowmalloy

Bowmalloy® Hex Nuts



- Made in USA
- Medium carbon through-hardened steel gives excellent assembly performance with Bowmalloy® cap screws. Eliminates "stripping-out" caused by inferior grade nuts.
- Unichrome™ plating provides corrosion resistance that is superior to commercial zinc plating.
- ASME Class UN-2B thread fit assures fully formed, precision-fitting threads that provide complete and continuous clamping force.
- Chamfered first thread allows easy thread engagement.
- Smooth bearing surface distributes load evenly for consistent clamping.
- High design gives additional threads and more wrenching surface for positive clamping properties and slip-free installation.
- Concentric circle grain structure gives added strength to prevent cracking and splitting for safe, long service life.
- Use with Bowmalloy® cap screws.
- UNC (USS) or UNF (SAE)
- Exceeds SAE J995 Grade 8 specifications
- Medium carbon steel
- Through-hardened
- 180,000 psi proof load
- Use with Bowmalloy® cap screws

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
36601	¼-20	36611	¼-28	100
MP36601	¼-20	MP36611	¼-28	50
36602	5/16-18	36612	5/16-24	100
MP36602	5/16-18	MP36612	5/16-24	50
36603	⅜-16	36613	⅜-24	100
MP36603	⅜-16	MP36613	⅜-24	50
36604	7/16-14	36614	7/16-20	50
MP36604	7/16-14	MP36614	7/16-20	25
36605	½-13	36615	½-20	50
MP36605	½-13	MP36615	½-20	25
36606	9/16-12	36616	9/16-18	50
MP36606	9/16-12	MP36616	9/16-18	25
36607	⅝-11	36617	⅝-18	50
MP36607	⅝-11	MP36617	⅝-18	25
36608	¾-10	36618	¾-16	25
36609	⅞-9	36619	⅞-14	25
36610	1-8	36620	1-14	25
36610-11/8	1⅛-7	36620-11/8	1⅛-12	10
36610-11/4	1¼-7	36620-11/4	1¼-12	10
36610-11/2	1½-6	36620-11/2	1½-12	10
36610-13/4	1¾-5	*	*	5
36610-2	2-4½	36620-2	2-12	5

Hex Head Cap Screws & Hex Nuts Technical Data

Size (In.)	Hex Head Cap Screws Wrench Size Width Across Flats (In.)	Hex Nuts & Bowmo-Grip® Wrench Size Width Across Flats (In.)	Hex Nuts Thickness (In.) Max.	Hex Nuts Thickness (In.) Min.	Bowmo-Grip® Hex Lock Nuts Thickness (In.) Max.	Bowmo-Grip® Hex Lock Nuts Thickness (In.) Min
¼	7/16	3/8	0.226	0.212	0.226	0.212
5/16	½	½	0.273	0.258	0.273	0.258
⅜	9/16	9/16	0.337	0.320	0.337	0.320
7/16	⅝	11/16	0.385	0.365	0.385	0.365
½	¾	¾	0.448	.0427	0.448	0.427
9/16	13/16	⅞	0.496	0.473	0.496	0.473
⅝	15/16	15/16	0.559	0.535	0.559	0.535
¾	1⅛	1⅛	0.665	0.617	0.734	0.710
⅞	1 5/16	1 5/16	0.776	0.724	0.859	0.833
1	1½	1½	0.887	0.831	0.984	0.956
1⅛	1 11/16	1 11/16	0.999	0.939	1.155	1.095
1¼	1⅞	1⅞	1.094	1.030	1.282	1.218
1½	2¼	2¼	1.317	1.245	1.536	1.464

Dura-Torq

Dura-Torq® Thick Hex Nuts



Dura-Torq Hex Nuts are thicker than standard nuts and are designed to be used specifically with stronger than Grade 8 Cap Screws. The thicker nut provides a larger wrenching area to eliminate wrench slippage. The cad & wax plating provides for an extremely consistent torque requirement which is significantly lower than required for a standard zinc plating.

Specifications:

- Made in USA
- 180,000 psi proof load
- Cad & Wax plating

Part No.	Dia. TPI	UNC/UNF	Flats (In.)	Thick (In.)	Unit
C92448	¼-20	UNC	7/16	15/64	100
C92449	¼-28	UNF	7/16	15/64	100
C92450	5/16-18	UNC	½	21/64	100
C92451	5/16-24	UNF	½	21/64	100
C92452	⅜-16	UNC	9/16	25/64	100
C92453	⅜-24	UNF	9/16	25/64	100
C92454	7/16-14	UNC	11/16	7/16	50
C92455	7/16-20	UNF	11/16	7/16	50
C92456	½-13	UNC	¾	33/64	50
C92457	½-20	UNF	¾	33/64	50
C92458	9/16-12	UNC	⅞	37/64	25
C92459	9/16-18	UNF	⅞	37/64	25
C92460	⅝-11	UNC	15/16	41/64	25
C92461	⅝-18	UNF	15/16	41/64	25
C92462	¾-10	UNC	1 - 1/16	49/64	25
C92463	¾-16	UNF	1 - 1/16	49/64	25
C92464	⅞-9	UNC	1 5/16	⅞	10
C92465	⅞-14	UNF	1 5/16	⅞	10
C92466	1-8	UNC	1½	1 1/64	10
C92467	1-14	UNF	1½	1 1/64	10

Grade 8

Grade 8 Finished Hex Nuts Made in U.S.A.



- UNC (USS) or UNF (SAE)
- Meets SAE J995 Grade 8 specifications
- Medium carbon steel
- Through-hardened
- 150,000 psi proof load
- Designed for use with Grade 8 cap screws

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
39558	¼-20	39571	¼-28	100
39562	5/16-18	39572	5/16-24	100
39563	⅜-16	39573	⅜-24	100
39564	7/16-14	39574	7/16-20	50
39565	½-13	39575	½-20	50
39566	9/16-12	39576	9/16-18	50
39567	⅝-11	39577	⅝-18	50
39568	¾-10	39578	¾-16	25
39569	⅞-9	39579	⅞-14	25
39570	1-8	39580	1-14	25
C714028	1¼-7	C714025	1¼-12	10
C714022	1½-7	C714027	1½-12	10

Grade 8 Hex Nuts - Non-Plated Made in U.S.A.



Grade 8 Hex Nuts are used to be with Grade 8 Hex Head Cap Screws, Grade 8 Plow Bolts and other alloy bolts.

Specifications:

- 150,000 psi proof load
- Black natural finish

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
C767009	¼ - 20	C767021	¼ -28	100
C767002	5/16 - 18	C767003	5/16 - 24	100
C767004	⅜ - 16	C767005	⅜ - 24	100
C767036	⅞ - 14	C767007	⅞ - 20	50
C767063	½ - 13	C767069	½ - 20	50
C767010	9/16 - 12	C767011	9/16 - 18	50
C767012	⅝ - 11	C767013	⅝ - 18	50
C767014	¾ - 10	C767015	¾ - 16	25
C767016	⅞ - 9	C767017	⅞ - 14	25
C767018	1 - 8	C767019	1 - 14	10
C767020	1 - ⅛ - 7	C767021	1 -⅛ - 12	10
C767022	1 - ¼ - 7	C767023	1 - ¼ -12	10
C767024	1 - ½ - 6			10

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Hex Nuts

Grade 8 Finished Hex Nuts



- High strength, medium carbon, quenched & tempered steel gives superior assembly performance with Bowmo-Torq®/Grade 8 cap screws. Eliminates "stripping out" caused by inferior grade nuts.
- Gold Unichrome™ plating provides corrosion resistance that is superior to standard industrial platings.
- ANSI class 2B thread fit assures fully formed, precision fitting threads that provide complete and continuous clamping force.
- Meets association specifications
- ANSI 18.2.2
- SAE J995 Grade 8
- Chamfered first thread for proper seating and easy thread engagement.
- Precision double chamfered hex prevents interference of parent material or washer with bearing surface without limiting wrenching area.
- Smooth bearing surface distributes load evenly for constant, consistent clamping.
- Concentric circle grain design gives added strength to prevent cracking and splitting for safe, long service life.
- Recommended for multi-purpose use with Bowmo-Torq®/Grade 8 cap screws and other fasteners rated SAE Grade 8.



- UNC (USS) or UNF (SAE)
- Exceeds SAE J995 Grade 8 specifications
- Medium carbon steel
- Through-hardened
- 150,000 psi proof load

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
39611	¼-20	39611	¼-28	100
MP39611	¼-20	MP39611	¼-28	50
39612	5/16-18	39612	5/16-24	100
MP39612	5/16-18	MP39612	5/16-24	50
39613	3/8-16	39613	3/8-24	100
MP39613	3/8-16	MP39613	3/8-24	50
39614	7/16-14	39614	7/16-20	50
MP39614	7/16-14	MP39614	7/16-20	25
39615	1/2-13	39615	1/2-20	50
MP39615	1/2-13	MP39615	1/2-20	25
39616	9/16-12	39616	9/16-18	50
MP39616	9/16-12	MP39616	9/16-18	25
39617	5/8-11	39617	5/8-18	50
MP39617	5/8-11	MP39617	5/8-18	25
39618	3/4-10	39618	3/4-16	25
39619	7/8-9	39619	7/8-14	25
39620	1-8	39620	1-14	25
39620-11/8	1 1/8-7	39620-11/8	1 1/8-12	10
39620-11/4	1 1/4-7	39620-11/4	1 1/4-12	10

Grade 8 Finished Hex Nuts — Non-Plated



- UNC (USS) or UNF (SAE)
- Meets SAE J995 Grade 8 specifications
- Medium carbon steel
- Through-hardened
- 150,000 psi proof load

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
99780	¼ - 20	C713031	¼ - 28	100
99781	5/16 - 18	C713033	5/16 - 24	100
99782	3/8 - 16	99797	3/8 - 24	100
99783	7/16 - 14	C713037	7/16 - 20	50
99784	½ - 13	99799	½ - 20	50
99785	9/16 - 12	C713041	9/16 - 18	50
99786	5/8 - 11	99801	5/8 - 18	50
99787	¾ - 10	99802	¾ - 16	25
99788	⅞ - 9	99803	⅞ - 14	25
99789	1 - 8	99804	1 - 14	10
99790	1⅛ - 7	C713021	1⅛ - 12	10
99791	1¼ - 7	C713023	1¼ - 12	10
KP26423	1⅜-6	KP26447	1⅜-12	2
99792	1½ - 6	*		10
*		KP26448	1⅝-12	2
KP26425	1¾-5	KP26449	1¾-12	1
KP26426	2-4½	KP26450	2-12	1

* Item not available

Grade 8 Finished Hex High Nuts



- UNF (SAE)
- Meets SAE Grade 8 requirements
- Medium carbon steel
- Through-hardened

Part No.	Size (In.)	TPI	Unit
C14866	3/8	24	25
C14867	7/16	20	25
34214	½	20	25
34235	9/16	18	25
34236	5/8	18	25
34237	¾	16	25
34237-1	⅞	14	10
34238	1	14	10
34259	1⅛	12	10

Kar-Tite

Kar-Tite Grade 8 Hex Nuts



- Made in USA
- Meets SAE J995 proof load specification
- 150,000 PSI proof load
- Kar Grade 8 nuts stamped with Kar name and size for easy identification
- Zinc clear Unichrome plating

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
KP86159	¼-20	KP86169	¼-28	100
KP86159-2	¼-20			250
KP86160	5/16-18	KP86170	5/16-24	100
KP86160-2	5/16-18			250
KP86161	3/8-16	KP86171	3/8-24	100
KP86161-2	3/8-16			250
KP86162	7/16-14	KP86172	7/16-20	50
KP86162-2	7/16-14			100
KP86163	½-13	KP86173	½-20	50
KP86163-2	½-13			100
KP86164	9/16-12	KP86174	9/16-18	50
KP86165	5/8-11	KP86175	5/8-18	25
KP86165-2	5/8-11			100
KP86166	¾-10	KP86176	¾-16	25
KP86167	⅞-9	KP86177	⅞-14	25
KP86168	1-8	KP86178	1-14	25

Grade 8 Hex Nuts — Zinc Clear — Import



- Meets SAE J995 proof load specification
- 150,000 PSI proof load
- Zinc clear Unichrome plating

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
KP80530	¼-20	KP80542	¼-28	100
KP80530-2	¼-20			250
KP80531	5/16-18	KP80543	5/16-24	100
KP80531-2	5/16-18			250
KP80532	3/8-16	KP80544	3/8-24	100
KP80532-2	3/8-16			250
KP80533	7/16-14	KP80545	7/16-20	50
KP80533-2	7/16-14			100
KP80534	½-13	KP80546	½-20	50
KP80534-2	½-13			100
KP80535	9/16-12	KP80547	9/16-18	50
KP80536	5/8-11	KP80548	5/8-18	25
KP80536-2	5/8-11			100
KP80537	¾-10	KP80549	¾-16	25
KP80538	⅞-9	KP80550	⅞-14	25
KP80539	1-8	KP80551	1-14	25
KP80540	1¼-7	KP80552	1¼-12	10
KP80541	1½-7	KP80553	1½-12	10
*CD557183	1½-6	*	*	10

*Canada only

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Dimensions of Kar-Tite Grade 8 Hex Nuts

Bolt Size	Flats	Height
¼	7/16	7/32
5/16	½	17/64
3/8	9/16	21/64
7/16	11/16	3/8
½	¾	7/16
9/16	7/8	31/64
5/8	15/16	35/64
¾	1⅛	41/64
7/8	1 5/16	¾
1	1½	55/64
1⅛	1 11/16	31/32
1¼	1⅞	1 1/16
1½	2¼	1 5/16

Grade 5

Grade 5 Finished Hex Nuts





- Made in USA
- UNC or UNF
- Meets SAE J995 Grade 5 Specifications
- Designed for use with Grade 5 Cap Screws
- Zinc Clear Plating
- Made in U.S.A.

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
35000	¼-20	35013	¼-18	100
35001	5/16-18	35014	5/16-24	100
35002	3/8-16	35015	3/8-24	100
35003	7/16-14	35016	7/16-20	50
35004	½-13	35017	½-20	50
35005	9/16-12	35018	9/16-18	50
35006	5/8-11	35019	5/8-18	50
35007	¾-10	35020	¾-16	25
35008	⅞-9	35021	⅞-14	25
35009	1-8	35022	1-14	25
C712020	1⅛-7	C712021	1⅛-12	10
C712022	1¼-7	C712023	1¼-12	10

Grade 5 Hex Nuts - Non-Plated



Grade 5 Hex Nuts are to be used with Grade 5 Hex Head Cap Screws, Grade 5 Plow Bolts and other medium carbon bolts.

Specifications:

- Made in USA
- 120,000 psi proof load for diameters 1 in. and smaller; 105,000 psi proof load for diameters over 1 in.
- Black natural finish

Part No.	Size (In.)	Unit
C765201	¼-20	100
C765202	5/16-18	100
C765004	3/8-16	100
C765205	7/16-14	50
C765208	½-13	50
C765010	9/16-12	50
C765012	5/8-11	50
C765014	¾-10	25
C765016	⅞-9	25
C765018	1-8	10
C765020	1⅛-7	10
C765022	1¼-7	10

Grade 5 Finished Hex Nuts





- UNC (USS) or UNF (SAE)
- Meets SAE J995 Grade 5 Specifications
- Carbon steel
- Designed for use with Grade 5 cap screws

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
31201	¼-20	31211	¼-28	200
MP31201	¼-20	MP31211	¼-28	50
31202	5/16-18	31212	5/16-24	200
MP31202	5/16-18	MP31212	5/16-24	50
31203	3/8-16	31213	3/8-24	200
MP31208	3/8-16	MP31213	3/8-24	50
31204	7/16-14	31214	7/16-20	100
MP31209	7/16-14	MP31214	7/16-20	25
31205	½-13	31215	½-20	50
MP31205	½-13	MP31215	½-20	25
31206	9/16-12	31216	9/16-18	50
MP31206	9/16-12	MP31216	9/16-18	25
31207	5/8-11	31217	5/8-18	50
MP31207	5/8-11	MP31217	5/8-18	25
31208	¾-10	31218	¾-16	50
MP31203	¾-10	MP31218	¾-16	25
31209	⅞-9	31219	⅞-14	25
31210	1-8	31220	1-14	25
31210-11/8	1⅛-7	31220-11/8	1⅛-12	10
31210-11/4	1¼-7	31220-11/4	1¼-12	10
31210-11/2	1½-6	31220-11/2	1½-12	10

Grade 5 Finished Hex Nuts — Non-Plated



- UNC (USS) or UNF (SAE)
- Meets SAE J995 Grade 5 specifications
- Carbon steel
- Designed for use with Grade 5 cap screws
- Through-hardened

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
96780	¼-20	96795	¼-28	100
96781	5/16-18	96796	5/16-24	100
96782	3/8-16	96797	3/8-24	100
96783	7/16-14	96798	7/16-20	50
96784	½-13	96799	½-20	50
96785	9/16-12	96800	9/16-18	50
96786	5/8-11	96801	5/8-18	50
96787	¾-10	96802	¾-16	25
96788	⅞-9	96803	⅞-14	25
96789	1-8	96804	1-14	25
96790	1⅛-7	[illegible]96805-11/8	1⅛-12	10
96791	1¼-7	[illegible]96805-11/4	1¼-12	10
"	1⅜-6	[illegible]96805-13/8	1⅜-12	1
96792	1½-6	[illegible]96805-11/2	1½-12	10
"	1¾-5	[illegible]96805-13/4	1¾-12	1
[illegible]99795-2	2-4-½	"	-	10

Grade 2

Machine Screw/Grade 2 Hex Nuts



- Machine screw/Grade 2 hex nuts are to be used with machine screws, Grade 2 capscrews, and other low carbon bolts
- Zinc - clear plating

Part No.	Dia.-TPI	UNC/UNF	Flats (In.)	Thick (In.)	Unit
[illegible]77946	2-56	UNC	3/16	1/16	100
31242	4-40	UNC	¼	7/64	100
31243	5-40	UNC	5/16	7/64	100
31244	6-32	UNC	5/16	7/64	100
31253	6-40	UNF	5/16	7/64	100
31245	8-32	UNC	11/32	1/8	100
31254	8-36	UNF	11/32	1/8	100
31246	10-24	UNC	3/8	1/8	100
31255	10-32	UNF	3/8	1/8	100
31247	12-24	UNC	7/16	5/32	100
31248	¼-20	UNC	7/16	5/32	100
31257	¼-28	UNF	7/16	5/32	100
C6063	5/16-18	UNC	½	17/64	100
C6067	5/16-24	UNF	½	17/64	100
C6070	3/8-16	UNC	9/16	21/64	100
[illegible]C6069	3/8-24	UNF	9/16	21/64	100
C6072	7/16-14	UNC	11/16	5/8	100
[illegible]C6071	7/16-20	UNF	11/16	5/8	100
C6074	½-13	UNC	¾	7/16	100
[illegible]C6075	½-20	UNF	¾	7/16	100
[illegible]C6076	9/16-12	UNC	⅞	49/64	50
C6078	5/8-11	UNC	15/16	55/64	25
C6080	¾-10	UNC	1 1/8	41/64	25
*CD556010	1-8	UNC	1½	55/64	20

*Canada only

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Hex Nuts

Black Finish Grade 2 Finished Hex Nuts



- Black finish

UNC Part No.	UNF Part No.	Bolt Size	Across Flats	Height	Unit
◆CD557971	◆CD557978	¼	7/16	15/32	100
◆CD559544	◆CD559545	5/16	½	19/64	100
◆CD559119	◆CD559121	3/8	9/16	21/64	100
◆CD560831	◆CD560832	7/16	11/16	3/8	50
◆CD557367	◆CD557369	½	¾	7/16	50
◆CD561032	◆CD561033	9/16	3/8	31/64	25
◆CD559964	◆CD559969	5/8	15/16	39/64	25
◆CD559976	◆CD559979	¾	1⅛	47/64	20
◆CD560864	◆CD560845	⅞	1 5/16	¾	20
◆CD556819	◆CD556835	1	1½	55/64	20
◆CD557323	◆CD557325	1⅛	1 1/16	31/32	10
◆CD557720	◆CD557721	1¼	1⅜	1 1/32	10
◆CD557954	◆CD557955	1⅜	2 1/16	1 11/64	10
◆CD557179	◆CD557182	1½	2¼	1 9/32	10
◆CD557951	◆CD557952*	1¾	2⅝	1½	10
◆CD558725	◆CD558727	2	3	1 23/32	10

◆Canada Only
*Unit = 6

Grade 2 Galvanized Hex Nuts -



- Hot dip galvanized hex nuts to be used with galvanised Carriage Bolts

Part No.	Dia. (in.)	Flats (in.)	Thick (in.)	Unit
◆C97622	¼ - 20	7/16	15/32	100
◆C97623	5/16 - 18	½	19/64	100
◆C97624	⅜ - 16	9/16	21/64	100
◆C97625	½ - 13	¾	7/8	100

Hex Jam Nuts



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
32271	¼-20	32281	¼-28	50
32272	5/16-18	32282	5/16-24	50
32273	⅜-16	32283	⅜-24	50
32274	7/16-14	32284	7/16-20	50
32275	½-13	32285	½-20	50
32276	9/16-12	32286	9/16-18	25
32277	⅝-11	32287	⅝-18	25
32278	¾-10	32288	¾-16	25
32279	⅞-9	32289	⅞-14	25
32289	1-8	32290	1-14	25

Hex Jam Nuts Canada Only



- Plain finish
- Jam nuts are thin nuts used under full sized nuts to develop locking action

UNC Part No.	UNF Part No.	Bolt Size	Across Flats	Height	Unit
◆CD557976	◆CD557978	¼	7/16	15/32	100
◆CD559548	◆CD559553	5/16	½	39/64	100
◆CD559123	◆CD559125	⅜	9/16	47/64	100
◆CD560833	◆CD560835	7/16	11/16	¼	50
◆CD557373	◆CD557375	½	¾	31/64	50
◆CD561034	◆CD561035	9/16	⅞	35/64	25
◆CD559975	◆CD559975	⅝	15/16	39/64	25
◆CD558933	◆CD558935	¾	1⅛	47/64	20
◆CD560867	◆CD560869	⅞	1 5/16	55/64	20
◆CD556835	◆CD556843	1	1½	59/64	20
◆CD557326	◆CD557328	1⅛	1 11/16	23/32	10
◆CD557227	◆CD557223	1¼	1⅞	1 3/32	10
◆CD557186	◆CD557186	1½	2¼	27/32	10

◆Canada only

Automotive Finished Hex Nuts



- Zinc Plating

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
KP8158	7/16-14	KP8159	7/16-20	50

Dimension of Automotive Hex Nut

Bolt Size	Flats	Height
7/16	⅝	⅜

Heavy Hex / 2H

2H Heavy Hex Nuts



- UNC (USS)
- Meets ASTM A194-2H specifications
- Medium carbon steel
- Through-hardened
- 175,000 psi proof load
- Non-plated
- For ASTM A193-B7, A325 and A490 applications
- Designed to be used with B7 threaded rod stock, part no. series 36665 and B7 studs, part no. series 40596

Part No.	Unit	Bulk Part No.	Unit	Size
36653	50	*	—	¼-20
36654	50	*	—	5/16-18
36655	25	*	—	⅜-16
36655-1	25	*	—	7/16-14
36656	25	36656-B	100	½-13
36656-1	25	*	—	9/16-12
36657	25	36657-B	100	⅝-11
36658	25	36658-B	100	¾-10
36659	25	36659-B	100	⅞-9
36660	10	36660-B	100	1-8
36661	10	36661-B	50	1⅛-8
36661-1	10	*	—	1⅛-7
36662†	10	36662-B	50	1¼-8
36662-1	10	*	—	1¼-7
36663†	5	*	—	1⅜-8
36664	5	*	—	1⅜-6

†8UN thread series
NOTE: Part no. 36661 is to be used with threaded rod stock part nos. 36684 and 36695. Part no. 36662 is to be used with part nos. 36685 and 36696. Part no. 36663 is to be used with part no. 36697.
*Item not available

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Heavy Hex Structural Nuts



- UNC (USS)
- Meets ASTM A563 specifications
- Grade C
- Non-plated
- Use with 37000 series structural bolts

Part No.	Size (In.)	TPI	Unit
37045	⅝	11	25
37046	¾	10	25
37047	⅞	9	25

Heavy Hex Nuts



- UNC (USS)
- Low carbon steel
- Zinc plated

Part No.	Size (In.)	TPI	Unit
32291	¼	20	100
31292	5/16	18	100
32293	⅜	16	100
31294	7/16	14	50
31295	½	13	50
MP31295	9/16	12	50
32297	⅝	11	50
32298	¾	10	25
32299	⅞	9	25
32300	1	8	25
MP32010	1⅛	7	10
MP32011	1¼	7	10
MP32012	1½	6	10

Heavy Hex Nuts - Non-Plated

Canada Only



- Conforms to SAE J104 and ANSI B 18.2.2
- Class 2 B threads

UNC Part No.	Bolt Size	Across Flats	Height	Unit
*CD557902	¼-20	½	15/64	100
*CD559554	5/16-18	9/16	19/64	100
*CD559131	⅜-16	11/16	23/64	100
*CD561640	7/16-14	¾	27/64	50
*CD557382	½-13	⅞	31/64	50
*CD561038	5/16-12	15/16	35/64	25
*CD559701	⅝-11	1 1/16	39/64	25
*CD558031	¾-10	1¼	47/64	20
*CD559574	⅞-9	1 7/16	55/64	20

*Canada only

Slotted / Castle Hex Nuts

Grade 5 Finished Hex Castle Nuts



- UNF (SAE)
- Meets SAE Grade 5 specifications
- Carbon steel
- Zinc plated

Part No.	Size (In.)	TPI	Unit
MP320	¼	28	50
31287	5/16	24	25
MP31287	5/16	24	10
31282	⅜	24	25
MP31282	⅜	24	10
31283	7/16	20	25
MP31283	7/16	20	10
31284	½	20	25
MP31284	½	20	10
31285	9/16	18	25
MP31285	9/16	18	10
31286	⅝	18	25
MP31286	⅝	18	10
31287	¾	16	25
MP31287	¾	16	10
31288	⅞	14	25
31289	1	14	25
31290	1⅛	12	10

Slotted Hex Nuts

Cotter Pin Type



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Vibration resistant
- Zinc plated

Part No.	Dia.-TPI	UNC/UNF	Flats (In.)	Thick (In.)	Unit
C94611	¼-20	UNC	7/16	7/32	50
C94612	¼-28	UNF	7/16	7/32	50
C94613	5/16-18	UNC	½	17/64	50
C94614	5/16-24	UNF	½	17/64	50
1797	⅜-16	UNC	9/16	21/64	25
1798-1	⅜-24	UNF	9/16	21/64	25
1797-1	7/16-14	UNC	11/16	¾	25
1794	7/16-20	UNF	11/16	¾	25
1797-2	½-13	UNC	¾	7/16	25
1795	½-20	UNF	¾	7/16	25
1797-3	9/16-12	UNC	⅞	31/64	25
1796	9/16-18	UNF	⅞	31/64	25
1797-4	⅝-11	UNC	15/16	35/64	25
1801	⅝-18	UNF	15/16	35/64	25
1797-5	¾-10	UNC	1⅛	41/64	25
1802	¾-16	UNF	1 1/16	¾	100
C94628	⅞-9	UNC	1 5/16	¾	10
C94629	⅞-14	UNF	1 5/16	¾	10
C94630	1-8	UNC	1½	55/64	5
C94723	1-14	UNF	1½	55/64	5

Slotted Hex Nuts

Canada Only



- Plain finish
- Low carbon

UNC Part No.	UNF Part No.	Bolt Size	Across Flats	Height	Unit
*CD559129	*CD559123	⅜	9/16	21/64	50
*CD564118	*CD559139	7/16	1 1/16	¾	25
*CD557309	*CD557381	½	¾	7/16	25
—	*CD561037	9/16	⅞	39/64	25
*CD559979	*CD559380	⅝	15/16	45/64	25
*CD558939	*CD558940	¾	1⅛	51/64	20
*CD560172	*CD560173	⅞	1 5/16	¾	20
*CD558944	*CD558945	1	1½	57/64	20
*CD557226	*CD557227	1¼	1⅞	1 1/16	10
*CD557187	*CD557188	1½	2¼	1 9/32	10

*Canada only

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

All Metal Lock Nuts

FLEXLOC® Lock Nuts - All Metal Prevailing Torque

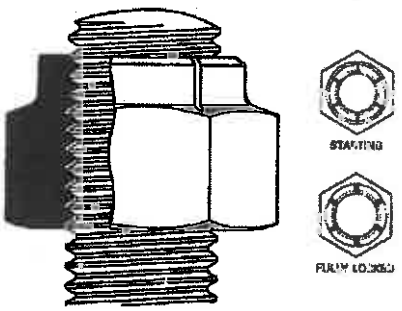


- UNC or UNF
- Medium Carbon Steel
- Cadmium Plating with Non-Dry Lubricant
- Exceeds Grade C Locknut Proof load
- Meets Locking Torque requirements of MIL-N-25027
- Maximum Temperature Limit 450°F
- Can be used as a stop nut (not seated) or lock nut (seated)
- Light Hex, Full Height Style

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
440010	6-32	*		100
440011	8-32	*		100
440012	10-24	440012	10-32	100
440013	¼-20	440013	¼-28	100
MP440013	¼-20	MP440013	¼-28	50
440014	5/16-18	440014	5/16-24	100
MP440014	5/16-18	MP440014	5/16-24	50
440015	3/8-16	440015	3/8-24	100
MP440015	3/8-16	MP440015	3/8-24	50
440016	7/16-14	440016	7/16-20	50
MP440016	7/16-14	MP440016	7/16-20	10
440017	½-13	440017	½-20	50
MP440017	½-13	MP440017	½-20	10
440018	9/16-11	440018	9/16-18	25
MP440018	9/16-11	MP440018	9/16-18	10
440019	5/8-10	440019	5/8-16	10
MP440019	5/8-10	MP440019	5/8-16	5
440020	¾-9	440020	¾-14	5
440021	1-8	440021	1-14	5

Note: ¼" Diameter: Contact ISD for current price and availability

How FLEXLOC® Nut Works



Starting - A FLEXLOC locknut starts on the threaded member like any ordinary nut. Put it on with your fingers. Tighten it with a standard hand or speed wrench.
Beginning to lock - As the bolt enters the locking area, the slotted section is expanded and the nut starts to lock.
Fully locked as a stop nut - When 1-1/2 threads of a standard bolt are past the top of the nut, resiliency of the segmented section has fully locked the nut. It does not have to seat to lock.
Fully locked as a seated nut - The locking threads press inward against the bolt, lifting the nut upward and causing the remaining threads to bear against the lower surface of the bolt threads.
Vibration will not loosen an SPS® Locknut. (There is never any galling of threads.)

Prevailing Torque Grade C Lock Nuts - Non-Plated



Class C Prevailing Torque Lock Nuts are to be used with Grade 8 Hex Head Cap Screws and other alloy bolts. They are designed for applications requiring resistance to heavy vibration or shock.

- Black natural finish

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
C713200	¼-20	C713201	¼-28	100
MPC713200	¼-20	*		50
C713202	5/16-18	C713203	5/16-24	100
MPC713202	5/16-18	*		50
C713204	3/8-16	C713205	3/8-24	100
MPC713204	3/8-16	*		50
C713206	7/16-14	C713207	7/16-20	50
MPC713206	7/16-14	*		25
C713208	½-13	C713209	½-20	50
MPC713208	½-13	*		25
C713210	9/16-12	C713211	9/16-18	50
MPC713210	9/16-12	*		25
C713212	5/8-11	C713213	5/8-18	25
MPC713212	5/8-11	*		10
C713214	¾-10	C713215	¾-16	25
MPC713214	¾-10	*		10
C713216	⅞-9	C713217	⅞-14	10
MPC713216	⅞-9	*		5
C713218	1-8	C713219	1-14	10
MPC713218	1-8	*		5

Grade 8 Hex Lock Nuts

Grade C — Domestic

- Zinc clear plating with wax
- 150,000 PSI proof load

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
MP65127	¼-20	MP65141	¼-28	100
MP65128	5/16-18	MP65142	5/16-24	100
MP65129	3/8-16	MP65143	3/8-24	100
MP65130	7/16-14	MP65144	7/16-20	50
MP65131	½-13	MP65145	½-20	50
MP65132	9/16-12	MP65146	9/16-18	25
MP65133	5/8-11	MP65147	5/8-18	25
MP65134	¾-10	MP65148	¾-16	25
MP65135	⅞-9	MP65149	⅞-14	20
MP65136	1-8	MP65150	1-14	10
MP65137-1	1⅛-7	MP65151-1†	1⅛-12	10
MP65138-1†	1¼-7	MP65152-1†	1¼-12	10

† Supplied in hex collar, cadmium plated

Dimensions of Kar-Tite Grade 8 Hex Nuts

Bolt Size	Flats	Height
¼	7/16	15/64
5/16	½	17/64
7/16	11/16	3/8
½	¾	7/16
9/16	⅞	31/64
⅝	15/16	35/64
¾	1⅛	41/64
⅞	1 3/16	45/64
1	1½	55/64
1⅛	1 11/16	63/64
1¼	1⅞	1 7/32

Grade 8 Hex Flange Hex Nuts - Non-Plated



- For use with Grade 8 Hex Flange Cap Screws
- 150,000 psi load
- Black (Unplated) Finish

Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
C39063	3/8-16	*	3/8-24	25
C39069	½-13	C39072	½-20	25
C39070	5/8-11	C39073	5/8-18	10
C39071	¾-10	C39074	¾-16	5

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Prevailing Torque Grade B Lock Nuts - Zinc and Wax



Class B Prevailing Torque Lock Nuts are to be used with Grade 5 Hex Head Cap Screws and other medium carbon bolts. They are pre-lubricated with wax for ease of assembly. They are designed for applications requiring resistance to heavy vibration or shock.

- Zinc & Wax plating - clear

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
C712200	¼-20	C712201	¼-28	100
MPC712200	¼-20	MPC712201	¼-28	50
C712202	5/16-18	C712203	5/16-24	100
MPC712202	5/16-18	MPC712203	5/16-24	50
C712204	3/8-16	C712205	3/8-24	100
MPC712204	3/8-16	MPC712205	3/8-24	50
C712206	7/16-14	C712207	7/16-20	50
MPC712206	7/16-14	MPC712207	7/16-20	25
C712208	½-13	C712209	½-20	50
MPC712208	½-13	MPC712209	½-20	25
C712210	9/16-12	C712211	9/16-18	50
C712212	5/8-11	C712213	5/8-18	25
MPC712212	5/8-11	MPC712213	5/8-18	10
C712214	¾-10	C712215	¾-16	25
MPC712214	¾-10	MPC712215	¾-16	10
C712216	7/8-9	C712217	7/8-14	10
C712218	1-8	C712219	1 -14	10

Prevailing Torque Grade A Lock Nuts - Zinc Clear



Class A Prevailing Torque Lock Nuts are to be used with Grade 2 Hex Head Cap Screws and other low carbon bolts. They are designed for applications requiring resistance to heavy vibration or shock.

Specifications:

- Zinc-Clear plating

UNC Part No.	Size (In.)	Unit
C602200	¼-20	100
C602202	5/16-18	100
C602204	3/8-16	100
C602205	7/16-14	50
C602203	½-13	50

Nylon Insert Lock Nuts

Nylon Insert Grade C Lock Nuts - Domestic For Use With Grade 8 Fasteners



Grade 8 Nylon Insert Lock Nuts are to be used with Grade 8 Hex Head Cap Screws and other alloy bolts. They are reusable and lock mechanically without the risk of thread damage. They are designed for applications requiring resistance to heavy vibration or shock.

Specifications:

- Made in U.S.A.
- NEB Style 1
- Zinc-Yellow plating.

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
C714100	¼-20	C714101	¼-28	100
MPC714100	¼/20	MPC714101	¼-28	50
C714102	5/16-18	C714103	5/16-24	100
MPC714102	5/16-18	MPC714103	5/16-24	50
C714104	3/8-16	C714105	3/8-24	50
C714106	7/16-14	C714107	7/16-20	50
MPC714105	7/16-14	MPC714107	7/16-20	25
C714108	½-13	C714109	½-20	25
C714110	9/16-12	C714111	9/16-18	25
C714112	5/8-11	C714113	5/8-18	10
C714114	¾-10	C714115	¾-16	10
C714116	7/8-9	C714117	7/8-14	10
C714118	1-8	C714119	1-14	10
C714120	1 ⅛-7	C714121	1 ⅛-12	10
C714122	1 ¼-7	C714123	1 ¼-12	10

Grade C Nylon Insert Lock Nuts Prevailing Torque Type

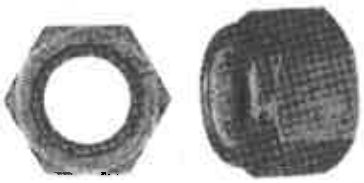




- For use with SAE Grade 8 and Grade 5 connections
- UNC (USS) or UNF (SAE)
- Meets IFI 100/107 Grade C (Grade 8) mechanical specifications
- Medium carbon steel
- 150,000 psi proof load
- NEB style

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
39651	¼-20	39661	¼-28	100
MP39651	¼-20	MP39661	¼-28	50
39652	5/16-18	39662	5/16-24	100
MP39652	5/16-18	MP39662	5/16-24	50
39653	3/8-16	39663	3/8-24	50
39654	7/16-14	39664	7/16-20	50
MP39654	7/16-14	MP39664	7/16-20	25
39655	½-13	39665	½-20	25
39656	9/16-12	39666	9/16-18	25
39657	5/8-11	39667	5/8-18	10
39658	¾-10	39668	¾-16	10
39659	7/8-9	39669	7/8-14	5
39660	1-8	39670†	1-14	5
MP78219	1⅛-7	MP78231	1⅛-12	5
MP78220	1¼-7	MP78232	1¼-12	5

Grade C Nylon Insert Lock Nut — Non-Plated Prevailing Torque Type



- UNC (USS) or UNF (SAE)
- Meets IFI 100/107 Grade C (Grade 8) mechanical specifications
- Medium carbon steel
- 150,000 psi proof load
- For use with SAE Grade 8 and Grade 5 connections
- NEB style

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
39621	¼-20	39535	¼-28	100
MP39621	¼-20	MP39635	¼-28	50
39622	5/16-18	39636	5/16-24	100
MP39622	5/16-18	MP39636	5/16-24	50
39623	3/8-16	39637	3/8-24	100
MP39623	3/8-16	MP39637	3/8-24	50
39624	7/16-14	39638	7/16-20	100
MP39624	7/16-14	MP39638	7/16-20	25
39625	½-13	39639	½-20	100
MP39625	½-13	MP39639	½-20	25
39626	9/16-12	39640	9/16-18	100
MP39626	9/16-12	MP39640	9/16-18	25
39627	5/8-11	39641	5/8-18	100
MP39627	5/8-11	MP39641	5/8-18	10
39628	¾-10	39642	¾-16	100
MP39628	¾-10	MP39642	¾-16	10
39629	7/8-9	39643	7/8-14	100
MP39629	7/8-9	MP39643	7/8-14	5
39630	1-8	39644	1-14	50
MP39630	1-8	MP39644	1-14	5
39631	1⅛-7	39645	1⅛-12	50
MP39631	1⅛-7	MP39645	1⅛-12	5
39632	1¼-7	39646	1¼-12	50
MP39632	1¼-7	MP39646	1¼-12	5
39633	1⅜-6	*	1⅜-6	25
39634	1⅛-6	39647	1⅛-12	25
MP39634	1⅛-6	MP39647	1⅛-12	5

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Nylon Insert Lock Nuts - Domestic For Use With Grade 5 and Grade 2 Fasteners



Nylon Insert Lock Nuts are to be used with Grade 5 and Grade 2 Hex Head Cap Screws, Machine Screws and other medium and low carbon bolts. They are reusable and lock mechanically without the risk of thread damage. They are designed for applications requiring resistance to heavy vibration or shock.

Specifications:
- Made in U.S.A
- NE Style
- Zinc-Clear plating

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
C712100	¼-28	C712101	¼-28	100
MPC712100	¼-20	MPC712101	¼-28	50
C712102	5/16-18	C712103	5/16-24	100
MPC712102	5/16-18	MPC712103	5/16-24	50
C712104	3/8-16	C712105	3/8-24	100
MPC712104	3/8-16	MPC712105	3/8-24	50
C712106	7/16-14	C712107	7/16-20	50
MPC712106	7/16-14	MPC712107	7/16-20	25
C712108	½-13	C712109	½-20	50
MPC712108	½-13	MPC712109	½-20	25
C712110	9/16-12	C712111	9/16-18	25
C712112	5/8-11	C712113	5/8-18	10
C712114	¾-10	C712115	¾-16	10
C712116	⅞-9	C712117	⅞-14	10
C712118	1-8	C712119	1-14	10

Hex Lock Nuts
Nylon Insert Type



- NE style
- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated
- Vibration resistant

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
*CD555943	4-40	*	*	100
34269	6-32	*	No. 6-40	100
34270	8-32	*	No. 8-36	100
34271	10-24	34281	No. 10-32	100
34271-1	12-24	*	No. 12-28	100
34272	¼-20	34282	¼-28	100
MP34272	¼-20	MP34282	¼-28	50
34273	5/16-18	34283	5/16-24	100
MP34273	5/16-18	MP34283	5/16-24	50
34274	3/8-16	34284	3/8-24	100
MP34274	3/8-16	MP34284	3/8-24	50
34275	7/16-14	34285	7/16-20	50
MP34275	7/16-14	MP34285	7/16-20	25
34276	½-13	34286	½-20	50
MP34276	½-13	MP34286	½-20	25
34276-1	9/16-12	34286-1	9/16-18	50
34277	5/8-11	34287	5/8-18	50
MP34277	5/8-11	MP34287	5/8-18	10
34278	¾-10	34288	¾-16	50
MP34278	¾-10	MP34288	¾-16	10
34279	⅞-9	34289	⅞-14	25
34280	1-8	34290	1-14	25
MP30033	1¼-7	MP30035	1¼-12	10
MP30034	1¼-7	MP30036	1¼-12	10
*CD555116	1½-6	*CD556144	1½-12	10

*Canada only

Hex Lock Nuts
Nylon-Insert Type



- NTE style
- UNC (USS) or UNF (SAE)
- Low carbon steel
- Light hex, thin height
- Zinc plated

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
34023	4-40	*	*	100
34024	5-40	*	*	100
34025	¼-20	34035	¼-28	100
34026	5/16-18	34036	5/16-24	100
34027	3/8-16	34037	3/8-24	100
34028	7/16-14	34038	7/16-20	50
34029	½-13	34039	½-20	50
34030	9/16-12	34040	9/16-18	50
34031	5/8-11	34041	5/8-18	50
34032	¾-10	34042	¾-16	50
34033	⅞-9	34043	⅞-14	25
34034	1-8	34044	1-14	25

High Hex Lock Nuts
Nylon Insert Type



- N style
- UNF (SAE)
- Class C (Grade 8 compatible)
- Zinc plated
- Vibration resistant

Part No.	Size (in.)	TPI	Unit
34345	½	20	50
34346	5/8	18	50
34347	¾	16	50
34348	⅞	14	25

Nylon Insert Flange Lock Nuts



- Zinc-clear plating
- For use with Grade 5 and 2 fasteners
- Used in applications where a wider bearing surface is desired along with a locking element

Part No.	Size	Unit
34219	¼-20	50
34350	5/16-18	50
34351	3/8-16	25
34352	½-13	25

Spin-Lock

Spin-Lock Flange Lock Nuts
Zinc Plated



- UNC (USS) or UNF (SAE)
- Case hardened steel
- Zinc plated
- Vibration resistant

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
34291	No. 10-24	*	*	50
*	*	MP70138	No. 10-32	100
34292	¼-20	*	*	50
MP34292	¼-20	*	*	25
34298	5/16-18	34298	5/16-24	50
MP34298	5/16-18	MP34298	5/16-24	25
34294	3/8-16	34299	3/8-24	50
MP34294	3/8-16	*	*	25
34295	7/16-14	*	*	50
34296	½-13	*	*	50

Spin-Lock Flange Nuts
- Black oxide plating

Part No.	Size (in.)	Unit
MP71814	¼-20	100
MP61185	5/16-18	50
*CD61185-2	5/16-18	100
MP66092	3/8-16	50
MP71824	½-13	50

*Canada only

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Whiz Lock

Whiz Lock Nuts - Large Flange



Whiz Lock Nuts have a serrated flange that firmly grips the bearing surface. Ideal where light vibration occurs.

Specifications:
- Zinc - Clear Plating

Part No.	Dia. (in.)	Flange (in.)	Unit
C34313	¼ - 20	5/16	100
C34314	5/16 - 18	13/16	100
C34315	3/8 - 16	29/32	50

Keps Nuts

K-Lock Hex Lock Nuts - Keps
Sawtooth Lockwasher Type



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Zinc plated
- Vibration resistant

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
31230	No. 4-40	*	No. 4-48	100
31231	No. 6-32	*	No. 6-40	100
31232	No. 8-32	*	No. 8-36	100
31234	No. 10-24	31233	No. 10-32	100
31236-1	No. 12-24	*	No. 12-28	100
31238	¼-20	31235	¼-28	100
31239	5/16-18	C602415	5/16-24	50
31240	3/8-16	31237	3/8-24	100

Wing Nuts

Wing Nuts
"A" Type



- UNC (USS) or UNF (SAE)
- Meets ANSI B18.17 specification
- Cold forged steel
- Zinc plated
- Light series

Part No.	Size	Unit
C21131	6-32	50
C35201	8-32	50
34359	10-24	25
34360	10-32	25
34354	¼-20	25
C35755	¼-28	50
34355	5/16-18	25
34356	3/8-16	25
34357	7/16-14	25
34353	½-13	10

Wing Nuts
"C"/Style 1 Type



- UNC (USS) or UNF (SAE)
- Zinc Alloy
- Zinc plated

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
34321	No. 10-24	34333	No. 10-32	25
34322	¼-20	*	¼-28	25
34324	5/16-18	*	5/16-20	25
34325	3/8-16	*	3/8-24	25
34327	½-13	*	½-20	10

*Item not available

Nylon Insert Wing Nuts



- Nylon insert allows for easy installation with greater holding power
- Zinc die-cast
- Perfect for high vibration applications

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
KP79449	8-32			25
KP79450	10-24	KP79451	10-32	25
KP79452	¼-20			25
KP79453	5/16-18			25
KP79454	3/8-16			25

Cap Nuts

Cap Nuts – Steel



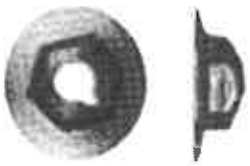
Cap Nuts are also known as Acorn Nuts. They completely cover and protect threads as well as providing for easier assembly and a better appearance.

Specifications:
- Zinc Alloy or Zinc-Clear plating

UNC Part No.	Size	UNF Part No.	Size	Unit
C3696	6 - 32	*		100
C3697	8 - 32	*		100
C3693	10 - 24	C3699	10-32	100
C3700	¼ - 20	C3701	¼ - 28	100
C3702	5/16-18	C3703	5/16 - 24	50
C3704	3/8-16	*		50

Pal Nuts

Pal Nuts
Hex Washer Type



- UNC (USS)
- Carbon spring steel
- Zinc plated

Part No.	Size (in.)	TPI	Unit
31270	No. 8	32	100
31271	No. 10	24	50

Hex Type



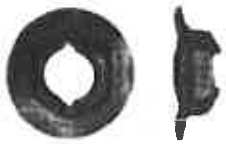
- UNF (SAE)
- Carbon spring
- Zinc plated

Part No.	Size (in.)	TPI	Unit
31276	3/4	24	100
31277	7/16	20	100
31279	½	20	100

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Specialty Nuts

Pal Nuts
Self-Threading Hex Washer Type



- Carbon spring steel
- Zinc plating
- With or without sealer

Part No.	Stud Size (In.)	Hex Size (In.)	Washer Dia. (In.)	Unit
C13429	1/4	5/16	7/32	100
MPC13429	1/4	5/16	7/32	25
C13619	5/32	1/4	9/16	100
MPC13619	5/32	3/8	9/16	25
C13430	5/16	3/8	5/8	100
MPC13430	3/8	5/16	5/8	10
C13431	1/4	7/16	11/16	100
MPC13431	1/4	7/16	11/16	10
34508	1/4	7/16	11/16	50
C13639	21/64	1/4	3/4	100
C13638*	3/16	3/8	5/8	50
C13637*	1/4	7/16	11/16	50

Pal Nuts
Self-Threading Hex Washer Type



- Carbon spring steel
- Zinc plated
- Without sealer

Part No.	Size (In.)	Unit
34302	3/16	50
34304	5/16	50

Pal Nuts
Washer Type



- Zinc-Clear plated spring steel

Part No.	Screw Size (In.)	Hex Size (In.)	Washer Dia. (In.)	Unit
C10656	10-24	3/8	3/4	100
C05986	1/4-20	7/16	15/32	100
C10658	1/4-20	7/16	13/16	100

Pal Nuts
Lock Nut Type



- UNC and UNF
- Spring steel
- Zinc-Clear plating

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
C10239	1/4-20	*	*	100
C10241	5/16-18	C10240	5/16-24	100
C10242	3/8-16	C6092	3/8-24	100
*	*	C10243	7/16-20	100
C10246	1/2-13	*	*	50

Push

Push Nuts
Flat Round Type



- Carbon spring steel
- Zinc plated

Part No.	Rod Dia. (In.)	I.D.† (In.)	O.D. (In.)	Thickness (In.)	Unit
31540**	1/16	9/64	.195	.039	100
MPS1540**	1/16	9/64	.195	.039	25
31542	1/8	13/64	3/8	.013	100
MP31542	1/8	13/64	3/8	.013	25
C04038	5/32	5/16	7/16	.013	100
C04038-1	5/32	5/16	7/16	.013	25
31543**	5/16	21/64	1/16	.013	100
MPS1543**	5/16	21/64	7/16	.013	25
31544	.240	15/64	17/32	.017	100
MP31544	.240	25/64	17/32	.017	25
31545	1/4	25/64	17/32	.017	100
MP31545	1/4	25/64	13/32	.017	25
C04042	1/4	11/16	15/16	.017	100
C04042-1	1/4	11/16	15/16	.017	10
31546	5/16	25/64	5/8	.021	100
MP31546	5/16	25/64	5/8	.021	25
C04043	5/16	11/16	15/16	.021	100
C04043-1	5/16	11/16	15/16	.017	10
31547	3/8	35/64	3/4	.027	100
MP31547	3/8	35/64	3/4	.027	25
C04044	3/8	11/16	15/16	.027	50
C04044-1	3/8	11/16	15/16	.027	10
C04045	7/16	47/64	15/16	.027	50
C04045-1	7/16	47/64	15/16	.027	10
31548	1/2	47/64	1	.035	100
MP31548	1/2	47/64	1	.035	25

† I.D. of washer face
** Black oil finish

Bolt Retainers

Bolt Retainers
Flat Round Push Type



- Carbon spring steel
- Black oil finish

Part No.	Size (In.)	O.D. (In.)	Thickness (In.)	Unit
35314	5/16	5/8	.013	100
35315	3/8	25/32	.015	100
35316	7/16	27/32	.015	100
35317	1/2	15/16	.015	100

Square Machine Screw Nuts

Square Machine Screw Nuts



- UNC (USS)
- Low carbon steel
- Zinc plated

Part No.	Size	TPI	Unit
31230	No. 10	24	100
31231	1/4	20	100

Well Nuts

Well Nuts
With Brass Inserts



- Neoprene washer

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Thread Size (In.)	Hole Size (In.)	Shank Length In.)	Unit
C[illegible]5308	8-32	5/16	7/16	25
1[illegible]32	10-24	3/8	9/16	25
483	10-32	3/8	5/8	50
+CD[illegible]827	10-32	1/2	1"	10
1016	1/4-20	1/2	5/8	50
C[illegible]1	5/16-18	5/8	9/16	10
C28508	3/8-16	3/4	7/8	10

+Canada only

Well Nuts - Head Dimensions

Part No.	Head Dia. (In.)	Head Thick (In.)
C[illegible]20	7/16	.052
1[illegible]8	9/16	5/16
4[illegible]1	9/16	1/32
1[illegible]6	11/16	1/32
1[illegible]6	3/4	5/16
C[illegible]2	1/8	1/8
C[illegible]8	1 1/4	5/16

Remember that you can always call our Customer Service Department when you need a sample.

And if you're not sure of exactly what type of fastener you need, rest assured that one call to our Customer Service Department can get you the answer you are looking for!

We're here to serve you so feel free to call us with any questions you may have.

RUBBER WELL NUTS

- Self-sealing blind fastener
- Dampens vibration and shock
- Helps prevent galvanic corrosion
- Well nut fastener fastens in thin wall or solid material
- Standard & metric sizes available

Applications:
Luggage racks, electric panels, antenna mountings, skylights, awning & home electronic sensors, transformers, fan motor mounts & marine accessories

Step 1
Position WELL-NUT fastener in pre-drilled hole until flange is seated tight against surface. Because it is a blind fastener, the WELL-NUT fastener, does not require access to the under surface of the material.

Step 2
Place part to be assembled against the flange of the WELL-NUT fastener and insert conventional machine screw into the fastener.

Step 3
As the screw is tightened, it engages the brass nut in the WELL-NUT fastener. The resilient neoprene bushing compresses and expands, forcing it tightly into screw threads and against the inner part of the assembled joint.

Step 4
The expanding, sealing properties of the neoprene bushing are equally effective in solid material. In thin wall or solid wall applications, a WELL-NUT fastener meets the most exacting service requirements.

T - Nuts



- Excellent for worm screw holes and wood-to-metal applications by providing threads in wood
- Mounts flush without countersinking
- Quick, efficient installation and assembly
- Zinc plating

Part No.	Dia. - TPI	Barrel Height (In.)	Barrel O.D. (In.)	Flange Thickness (In.)	Unit
KP75421	6-32	1/4	.162	.030	50
KP75422	8-32	1/4	.221	.050	50
KP75423	10-24	5/16	.243	.050	50
KP75424	10-32	5/16	.243	.050	50
KP75425	1/4-20	7/16	.386	.050	50
KP75426	5/16-18	3/8	.390	.065	25
KP75427	3/8-16	7/16	.450	.062	25

T-Nuts

Canada Only

- Excellent for worm screw holes in wood applications
- Flush mounts
- Quick, efficient assembly. Hammer into place

Part No.	Thread Size (In.)	Finish	Unit
+CD[illegible]03	8-32	Plain	100
+CD[illegible]22	10-24	Plain	100
+CD[illegible]65	1/4-20	Plain	100
+CD[illegible]66	1/4-20	Zinc	100
+CD[illegible]63	1/4-20	Plain	100
+CD[illegible]39	5/16-18	Plain	100
+CD[illegible]43	3/8-16	Plain	100

+Canada only

Dimension for T-Nuts

Part No.	A Flange (In.)	B Height (In.)	D Barrel (In.)	T Thickness (In.)	Drill Size (In.)
+CD[illegible]23	7/32	1/4	.221	0.05	7/32
+CD[illegible]22	3/4	5/16	.243	0.05	1/4
+CD[illegible]65	3/4	5/16	.336	0.05	5/16
+CD[illegible]66	3/4	5/16	.336	0.05	5/16
+CD[illegible]63	3/4	5/16	.306	0.05	5/16
+CD[illegible]39	1/4	3/8	.39	0.055	25/64
+CD[illegible]43	1	7/16	.45	0.062	15/32

+Canada only

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Tamper Resistant Hex Nuts

Tamper Resistant Hex Nuts



- Automatic torque feature causes the hex portion of the tamper resistant nut to snap off at the proper installation torque, avoiding over torque and damage to the work surface
- Use on signs, bathroom fixtures, playground equipment, security cameras, television monitors, and outdoor lighting
- Standard tools are used for installation and removal

Part No.	Dia.	Material	Unit
[illegible]	1/4-20	Aluminum	25
[illegible]	5/16-18	Aluminum	25
[illegible]	3/8-16	Aluminum	25
[illegible]	5/16-18	Zinc	25

Through-Hardened Flat Washers

Bowmalloy® Through-Hardened Flat Washers – Zinc Yellow

Narrow (SAE)



- Made in USA
- Meets ANSI/ASME B18.22.1 1965 (R1981) specifications
- Carbon steel

Mini Pack Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
36701	1/4	9/32	5/8	.067 – .080	100
36702	5/16	11/32	11/16	.067 – .080	100
36703	3/8	13/32	13/16	.067 – .080	100
36704	7/16	15/32	59/64	.067 – .080	50
36705	1/2	17/32	1 1/16	.108 – .121	50
36706	9/16	19/32	1 5/32	.108 – .121	25
36707	5/8	21/32	1 5/16	.108 – .121	25
36708	3/4	13/16	1 3/32	.136 – .160	25
*	7/8	15/16	1 3/4	.136 – .160	–
*	1	1 1/16	2	.136 – .160	–
*	1 1/8	1 1/4	2 1/4	.136 – .160	–
*	1 1/4	1 3/8	2 1/2	.168 – .192	–
*	1 1/2	1 5/8	3	.168 – .192	–

Standard Pack Part No.	Unit	Bulk Pack Part No.	Unit	Bolt Size (In.)
39701	200	36711	1000	1/4
39702	200	36712	1000	5/16
39703	200	36713	500	3/8
39704	100	36714	500	7/16
39705	100	36715	200	1/2
39706	50	36716	200	9/16
39707	50	36717	150	5/8
39708	50	36718	125	3/4
39709	20	36719	80	7/8
39710	20	36720	60	1
39711	20	36721	50	1 1/8
39712	20	36722	35	1 1/4
*	–	36724	25	1 1/2

Bowmalloy® Through-Hardened Flat Washers – Zinc Yellow

Wide (USS)



- Made in USA
- Meets ANSI/ASME B18.22.1 1965 (R1981) specifications
- Carbon steel

Mini Pack Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
36750	1/4	5/16	49/64	.067 - .080	150
36751	5/16	3/8	1/2	.093 - .104	100
36752	3/8	7/16	1	.033 - .104	75
36753	7/16	1/2	1 1/4	.083 - .104	50
36754	1/2	9/16	1 3/4	.112 - .132	25
36755	9/16	5/8	1 13/32	.112 - .132	25
36756	5/8	11/16	1 3/4	.136 - .160	15
36757	3/4	13/16	2	.148 - .177	10
*	7/8	15/16	2 1/4	.168 - .213	–
*	1	1 1/16	2 1/2	.168 - .213	–
*	1 1/8	1 1/4	2 3/4	.168 - .213	–
*	1 1/4	1 3/8	3	.168 - .213	–
*	1 1/2	1 5/8	3 1/2	.168 - .213	–

Standard Pack Part No.	Unit	Bulk Pack Part No.	Unit	Bolt Size (In.)
39750	200	36765	750	1/4
39751	200	36766	500	5/16
39752	200	36767	300	3/8
39753	100	36768	250	7/16
39754	100	36769	125	1/2
39755	50	36770	100	9/16
39756	50	36771	75	5/8
39757	50	*	–	3/4
39758	20	36773	35	7/8
39759	20	36774	30	1
39760	20	*	–	1 1/8
39761	20	*	–	1 1/4
*	–	36777	15	1 1/2

Through-Hardened Flat Washers

Narrow (SAE) — Non-Plated



- Made in USA
- Meets ASTM F436 specifications
- Carbon steel
- Non-plated

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness Min.-Max. (In.)	Unit
99740	1/4	9/32	5/8	.051 - .080	200
99741	5/16	11/32	11/16	.051 - .080	200
99742	3/8	13/32	13/16	.051 - .080	200
99743	7/16	15/32	59/64	.051 - .080	100
99744	1/2	17/32	1 1/16	.097 - .177	100
99745	9/16	19/32	1 3/16	.097 - .177	50
99746	5/8	21/32	1 5/16	.122 - .177	50
99747	3/4	13/16	1 15/32	.122 - .177	50
99748	7/8	15/16	1 3/4	.136 - .177	20
99749	1	1 1/16	2	.136 - .177	20
99750	1 1/8	1 1/4	2 1/4	.136 - .177	10
99751	1 1/4	1 3/8	2 1/2	.136 - .177	10
[illegible]	1 3/8	1 1/2	2 3/4	.136 - .177	20
99752	1 1/2	1 5/8	3	.136 - .177	10
[illegible]	1 1/2	1 5/8	3	.136 - .177	100
[illegible]	1 3/4	1 7/8	3 3/4	.178 - .280	10
[illegible]	2	2 1/16	3 3/4	.178 - .280	5
[illegible]	2 1/4 -	2 3/4	4	.240 - .340	5
[illegible]	2 1/2	2 3/4	4 1/2	.240 - .340	5

Through-Hardened Flat Washers

Wide (USS) — Non-Plated



- Made in USA
- Meets ANSI B18.22.1 specifications
- Carbon steel
- Non-plated

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness Min.-Max. (In.)	Unit
99760	1/4	9/16	3/4	.051 - .080	200
99761	5/16	3/8	7/8	.064 - .104	200
99762	3/8	7/16	1	.064 - .104	200
99763	7/16	1/2	1 1/4	.064 - .104	100
99764	1/2	9/16	1 3/4	.086 - .132	100
99765	9/16	5/8	1 1/2	.086 - .132	50
99766	5/8	11/16	1 3/4	.105 - .160	50
99767	3/4	13/16	2	.122 - .177	50
99768	7/8	15/16	2 1/4	.136 - .192	20
99769	1	1 1/16	2 1/2	.136 - .192	20
99770	1 1/8	1 1/4	2 3/4	.136 - .192	10
99771	1 1/4	1 3/8	3	.136 - .192	10
99772	1 1/2	1 5/8	3 1/2	.136 - .192	10

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bowmalloy® Heavy-Duty Flat Washers

Narrow (SAE)



- Made in USA
- Meets ANSI/ASME B18.22.1 Narrow dimensional specifications with extra thickness
- Carbon steel
- Through-hardened
- For rugged industrial or off-road applications
- Mechanical zinc plating with gold dichromate coating

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness Min.- Max. (In.)	Unit
36701-HD	¼	9/32	5/8	.080 - .100	125
MP36701-HD	¼	9/32	5/8	.080 - .100	50
36702-HD	5/16	11/32	11/16	.080 - .100	100
MP36702-HD	5/16	11/32	11/16	.080 - .100	50
36703-HD	3/8	13/32	13/16	.100 - .140	75
MP36703-HD	3/8	13/32	13/16	.100 - .140	50
36704-HD	7/16	15/32	15/16	.100 - .140	60
MP36704-HD	7/16	15/32	15/16	.100 - .140	25
36705-HD	½	17/32	1 1/16	.188 - .219	25
36706-HD	9/16	19/32	1 3/16	.188 - .219	25
36707-HD	5/8	21/32	1 5/16	.219 - .250	15
36708-HD	¾	25/32	1 15/32	.241 - .257	15

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness Min.- Max. (In.)	Unit
36711-HD	¼	9/32	5/8	.080 - .100	500
36712-HD	5/16	11/32	11/16	.080 - .100	500
36713-HD	3/8	13/32	13/16	.100 - .140	300
36714-HD	7/16	15/32	15/16	.100 - .140	300
36715-HD	½	17/32	1 1/16	.188 - .219	150
36716-HD	9/16	19/32	1 3/16	.188 - .219	125
36717-HD	5/8	21/32	1 5/16	.219 - .250	75
36718-HD	¾	25/32	1 15/32	.241 - .257	75
36719-HD	⅞	15/16	1¾	.241 - .257	15
36720-HD	1	1 1/16	2	.241 - .257	15
36721-HD	1 1/8	1¼	2¼	.250 - .313	10
36722-HD	1¼	1 3/8	2½	.250 - .313	10
36724-HD	1½	1 5/8	3	.250 - .313	10

Barnes Logo Flat Washers

Bowmalloy Through-Hardened Flat Washers with Barnes logo Narrow (SAE) - Zinc Clear Plating



- Made in USA
- Rc 38-42 hardness
- Use with Bowmalloy, Bowma-Torq, Kartite, and Grade 5 Hex Head Cap Screws
- Marked with the Barnes Group logo and size for identification and traceability
- Unichrome plating
- Meets ANSI/ASME B18.22.1 specifications

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
MP80412	¼	9/32	5/8	.067 - .080	100
MP80413	5/16	11/32	11/16	.079 - .093	100
MP80414	3/8	13/32	13/16	.079 - .093	100
MP80415	7/16	15/32	15/16	.098 - .106	50
MP80416	½	17/32	1 1/16	.122 - .146	50
MP80417	9/16	19/32	1 3/16	.122 - .146	50
MP80418	5/8	21/32	1 5/16	.136 - .160	50
MP80419	¾	25/32	1 15/32	.136 - .160	50
MP80420	⅞	15/16	1¾	.136 - .160	25
MP80421	1	1 1/16	2	.136 - .160	25
MP80422	1 1/8	1¼	2¼	.136 - .160	25
MP80423	1¼	1 3/8	2½	.168 - .192	25
CP12055	1½	1 5/8	3	.168 - .192	25

Bowmalloy Through-Hardened Flat Washers with Barnes logo Wide (USS) - Zinc Clear Plating



- Made in USA
- Rc 38-42 hardness
- Use with Bowmalloy, Bowma-Torq, Kartite, and Grade 5 Hex Head Cap Screws
- Marked with the Barnes Group logo and size for identification and traceability
- Unichrome plating
- Meets ANSI/ASME B18.22.1 specifications

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
MP80480	¼	5/16	¾	.067 - .080	100
MP80480-2	¼	5/16	¾	.067 - .080	250
MP80481	5/16	⅜	⅞	.083 - .104	100
MP80481-2	5/16	⅜	⅞	.083 - .104	250
MP80482	⅜	7/16	1	.083 - .104	100

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
MP80426-2	⅜	7/16	1	.083 - .104	250
MP80403	7/16	½	1¼	.090 - .106	50
MP80403-2	7/16	½	1¼	.090 - .106	250
MP80404	½	9/16	1¾	.122 - .146	50
MP80404-2	½	9/16	1¾	.122 - .146	250
MP80405	9/16	⅝	1½	.122 - .146	50
MP80425	⅝	11/16	1¾	.136 - .160	50
MP80425-2	⅝	11/16	1¾	.136 - .160	250
MP80407	¾	13/16	2	.148 - .177	50
MP80407-2	¾	13/16	2	.148 - .177	100
MP80408	⅞	15/16	2¼	.168 - .192	25
MP80409	1	1 1/16	2½	.168 - .192	25
MP80410	1 1/8	1¼	2¾	.168 - .192	25
MP80411	1¼	1 3/8	3	.168 - .192	25
CP12054	1½	1 5/8	3½	.168 - .213	25

Hardened Zinc-Clear Flat Washers - For use with Grade 5 Hex Head Cap Screws - SAE



- Made in USA
- Zinc-Clear plating

Part No.	Size (In.)	I.D. (In.)	O.D. (In.)	Thick (In.)	Unit
CP2949	¼	9/32	5/8	1/16	100
CP2950	5/16	11/32	11/16	1/16	100
CP2951	3/8	13/32	13/16	1/16	100
CP2952	7/16	15/32	15/16	1/16	50
CP2953	½	17/32	1 1/16	3/64	50
CP2954	9/16	19/32	1 3/16	3/64	50
CP2955	⅝	21/32	1 5/16	3/64	25
CP2974	¾	13/16	1½	3/64	25
CP2975	⅞	15/16	1¾	5/32	25
CP2976	1	1 1/16	2	5/32	25
CP2977	1 1/8	1¼	2¼	5/32	10
CP2978	1¼	1 3/8	2½	5/32	10
CP12055		1 5/8	3	.168-.192	25

Hardened Zinc-Clear Flat Washers - For use with Grade 5 Hex Head Cap Screws - USS



- Made in USA
- Zinc-Clear plating

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

...continued from previous page

Part No.	Size (In.)	I.D. (In.)	O.D. (In.)	Thick (In.)	Unit
C39871	¼	5/16	7/16	1/16	250
C39878	7/16	5/16	¾	1/16	100
C39872	5/16	3/8	7/16	1/16	250
C85879	5/16	5/8	7/16	1/16	100
C39873	3/8	7/16	1	1/16	250
C85880	3/8	7/16	1	5/64	100
C39874	7/16	½	1¼	5/64	100
C85881	7/16	½	1¼	5/64	50
C39875	½	9/16	1¾	7/64	100
C85882	½	9/16	1¾	7/64	50
C85883	9/16	5/8	1½	7/64	50
C85876	5/8	11/16	1¾	9/64	50
C85884	5/8	11/16	1¾	9/64	25
C39877	¾	13/16	2	9/64	50
C85885	¾	15/16	2	9/64	10
C85886	7/8	15/16	2¼	5/32	10
C85887	1	1 1/16	2½	5/32	10
C85888	1 1/8	1¼	2¾	5/32	5
C85889	1¼	1⅜	3	5/32	5
C712054		1⅝	3½	.168-.213	25

Socket Head Cap Screw Flat Washers Through Hardened

- Use with socket head cap screws to improve the bearing surface in most applications
- Made from 1050 spring steel, C40-45 hardness
- Plain finish

Part No.	Size (In.)	I.D. (In.)	O.D. (In.)	Thick (In.)	Unit
360000	No. 6	.143-.153	.218-.229	.022-.028	250
360001	No. 8	.183-.193	.262-.272	.022-.028	250
360002	No. 10	.212-.222	.303-.312	.022-.028	250
360003	¼	.278-.288	.365-.395	.034-.039	100
360004	5/16	.346-.356	.457-.490	.034-.039	100
360005	3/8	.415-.425	.550-.582	.044-.051	100
360006	7/16	.483-.493	.642-.676	.044-.051	50
360007	½	.552-.562	.735-.770	.057-.063	50
360008	5/8	.689-.699	.921-.958	.071-.082	25
360009	¾	.828-.838	1.107-1.145	.112-.127	25
360010	⅞	.963-.973	1.293-1.332	.112-.127	10
360011	1	1.10-1.11	1.479-1.52	.112-.127	10
360012	1¼	1.36-1.367	1.852-1.875	.112-.127	10

Non-Hardened Flat Washers

Non-Hardened Flat Washers

Narrow (SAE)



- SAE prime steel
- Meets ANSI B27.2 1965 specifications in dimensions only
- Zinc plated

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Approx. Pcs. per Lb.	Unit
31371	No. 4	1/8	5/16	1804	500
KP31371	No. 4	1/8	5/16	1804	250
31372	No. 6	9/32	3/8	844	500
KP31372	No. 6	9/32	3/8	844	250
31373	No. 8	5/16	7/16	484	500
KP31373	No. 8	5/16	7/16	484	250
31374	No. 10	3/16	½	448	500
KP31374	No. 10	3/16	½	448	250
C5677	No. 10	11/64	¾	330	100
31375	No. 12	¼	7/16	304	500
KP31375	No. 12	¼	9/16	304	250
C5690	No. 12	15/64	⅝	190	100
KP41C091-2	¼	9/32	5/8	208	500
31376	¼	9/32	5/8	208	250
KP31376	¼	9/32	5/8	208	100
KP41C02-2	5/16	11/32	11/16	177	500
31377	5/16	11/32	11/16	177	250
KP41002-1	5/16	11/32	11/16	177	100
KP41C02-2	3/8	13/32	13/16	120	500
31378	3/8	13/32	13/16	120	250
KP41003-1	3/8	13/32	13/16	120	100
31379	7/16	15/32	15/16	103	100
31836	½	17/32	1 1/16	38	100
31387	9/16	19/32	1 3/16	34	50
31388	5/8	21/32	1 5/16	30	50
31389	¾	25/32	1 1/2	23	50
31390	⅞	29/32	1¾	15	20
31391	1	1 1/32	2	12	20
31392-1	1¼	1 5/16	2½	6	20
KP41013	1½	1 9/16	3	4.25	25

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Approx. Pcs. per Lb.	Unit
31427	No. 4	1/8	5/16	1804	2 lbs.
31428	No. 6	9/32	3/8	844	2 lbs.
31429	No. 8	5/16	7/16	484	2 lbs.
31430	No. 10	3/16	½	448	2 lbs.
31430-1	No. 12	¼	9/16	304	2 lbs.
31431	¼	9/32	5/8	208	2 lbs.
31432	5/16	11/32	11/16	177	2 lbs.
31433	3/8	13/32	13/16	120	2 lbs.
31434	7/16	15/32	15/16	103	2 lbs.
31435	½	17/32	1 1/16	38	2 lbs.
31436	9/16	19/32	1 3/16	34	2 lbs.
31437	5/8	21/32	1 5/16	30	2 lbs.
31438	¾	25/32	1 1/2	23	2 lbs.
31439	⅞	29/32	1¾	15	5 lbs.
31440	1	1 1/32	2	12	5 lbs.
31442	1¼	1 5/16	2½	6	5 lbs.

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Approx. Pcs. per Lb.	Unit
31444	¼	9/32	5/8	208	5 lbs.
31445	5/16	11/32	11/16	177	5 lbs.
31446	3/8	13/32	13/16	120	5 lbs.
31447	7/16	15/32	15/16	103	5 lbs.
31448	½	17/32	1 1/16	38	5 lbs.
31449	9/16	19/32	1 3/16	34	5 lbs.
31449-5/8	5/8	21/32	1 5/16	30	5 lbs.
31449-3/4	¾	25/32	1½	23	5 lbs.

Non-Hardened Flat Washers

Wide (USS)



- SAE prime steel
- Meets ANSI B27.2 1965 for dimensions only
- Zinc plated

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Approx. Pcs. per Lb.	Unit
KP1938	No. 6	9/32	7/16	502	500
KP1936-1	No. 6	9/32	7/16	502	250
KP1937	No. 8	5/16	½	409	500
KP1937-1	No. 8	5/16	½	409	250
31300	No. 10	¼	9/16	361	500
KP40009-1	No. 10	¼	9/16	361	250
KP40009-25	No. 10	¼	9/16	361	100
KP40001-2	¼	5/16	¾	148	500
31301	¼	5/16	¾	148	250
KP40001-1	¼	5/16	¾	148	100
KP40002-2	5/16	3/8	⅞	86	500
31302	5/16	3/8	⅞	86	250
KP40002-1	5/16	3/8	⅞	86	100
KP40003-2	3/8	7/16	1	68	500
31303	3/8	7/16	1	68	250
KP40003-1	3/8	7/16	1	68	100
KP40004-2	7/16	½	1¼	46	250
31304	7/16	½	1¼	46	100
KP40005-2	½	9/16	1⅜	28	250
31305	½	9/16	1⅜	28	100
31306	9/16	5/8	1½	20	50
KP40007-2	5/8	11/16	1¾	13	100
31307	5/8	11/16	1¾	13	50
31308	¾	13/16	2	10	50
31309	⅞	15/16	2¼	7	25
31310	1	1 1/16	2½	6	25
31311	1 1/8	1¼	2¾	5	25
31312	1¼	1⅜	3	4	25
31313	1⅜	1½	3¼	3	10
31314	1½	1⅝	3½	3	10
KP61156	1⅝	1¾	3¾	2.3	25
KP61157	1¾	1⅞	4	2	25
KP61156	2	2⅛	4½	1.6	10

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Approx. Pcs. per Lb.	Unit
31400	No. 10	¼	9/16	428	2 lbs.
31401	¼	5/16	¾	148	2 lbs.
31402	5/16	3/8	⅞	86	2 lbs.
31403	3/8	7/16	1	68	2 lbs.
31404	7/16	½	1¼	46	2 lbs.
31405	½	9/16	1⅜	28	2 lbs.
31406	9/16	5/8	1½	20	2 lbs.
31407	5/8	11/16	1¾	13	2 lbs.
31408	¾	13/16	2	10	2 lbs.

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Approx. Pcs. per Lb.	Unit
31411	¼	9/16	¾	148	5 lbs.
31412	5/16	⅜	⅞	86	5 lbs.
31413	⅜	7/16	1	68	5 lbs.
31414	7/16	½	1¼	46	5 lbs.
31415	½	9/16	1⅜	28	5 lbs.
31416	9/16	⅝	1½	20	5 lbs.
31417	⅝	11/16	1¾	13	5 lbs.
31418	¾	13/16	2	10	5 lbs.
31419	⅞	15/16	2¼	7	5 lbs.
31420	1	1 1/16	2½	6	5 lbs.
31421	1⅛	1¼	2¾	5	5 lbs.
31422	1¼	1⅜	3	4	5 lbs.
31423	1⅜	1½	3¼	3	5 lbs.
31424	1½	1⅝	3½	3	5 lbs.

Unhardened Galvanized Flat Washers



- Mechanical galvanized plated flat washers are to be used with galvanized Lag Bolts and Carriage Bolts.
- Box Quantity = 1 LB.

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thick (In.)	Unit
C97627	¼	5/16	¾	1/16	160
C97628	5/16	⅜	⅞	5/64	96
C97629	⅜	7/16	1	5/32	74
C97630	½	9/16	1 1/16	7/64	27

Unhardened Flat Washers Non-Plated

- Standard, low carbon steel flat washer
- Meets ANSI B18.22.1 type A narrow (SAE) and wide (USS) style washers

USS

Part No.	Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
*CD5582100	No. 8	5/16	½	1/16	100
*CD5582111	No. 10	¼	9/16	1/16	500
CD5582112	¼	5/16	47/64	1/16	300
*CD5582120	¼	5/16	47/64	1/16	100
CD5582113	5/16	⅜	⅞	5/64	300
*CD5582130	5/16	⅜	⅞	5/64	100
CD5582114	⅜	7/16	1	5/64	300
*CD5582140	⅜	7/16	1	5/64	100
CD5582115	7/16	½	1¼	5/64	300
*CD5582150	7/16	½	1¼	5/64	100
CD5582116	½	9/16	1⅜	7/64	300
*CD5582160	½	9/16	1⅜	7/64	100
CD5582117	9/16	⅝	1 15/32	7/64	100
CD5582118	⅝	11/16	1¾	1/16	100
*CD5582180	⅝	11/16	1¾	1/16	50
CD5582119	¾	13/16	2	5/32	100
*CD5582190	¾	13/16	2	5/32	50
CD5582120	⅞	15/16	2¼	11/64	25
CD5582121	1	1 1/16	2½	11/64	25
CD5582122	1⅛	1¼	2¾	11/64	20

Part No.	Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
CD5582223	1¼	1⅜	3	11/64	20
CD5582578	1⅜	1½	3¼	3/16	20
CD5582224	1½	1⅝	3½	3/16	20
CD5582225	1¾	1⅞	4	3/16	20
CD5582226	2	1⅞	4½	3/16	20

*Canada only

SAE

Part No.	Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
CD5584441	¼	9/32	⅝	3/64	300
*CD5584418	¼	9/32	⅝	3/64	100
CD5584442	5/16	11/32	11/16	1/16	300
*CD5584420	5/16	11/32	11/16	1/16	100
CD5584443	⅜	13/32	15/16	1/16	300
*CD5584423	⅜	13/32	15/16	1/16	100
CD5584444	7/16	15/32	59/64	1/16	300
*CD5584440	7/16	15/32	59/64	1/16	100
CD5584445	½	17/32	1¼	3/32	300
*CD5584425C	½	17/32	1¼	3/32	100
CD5584446	9/16	19/32	1 3/32	3/32	100
CD5584447	⅝	21/32	1 5/16	3/32	50
CD5584448	¾	13/16	1 15/32	3/64	50
CD5584449	⅞	15/16	1¾	3/64	25
CD5584450	1	1 1/16	2	3/64	25

*Canada only

Narrow Rim Machinery Washers



- Use as bushing or spacer
- Zinc plating

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
NP77957	5/16	21/32	1¼	5/64	50
NP61429	⅜	49/64	1¼	5/64	50
NP77958	⅞	13/16	1⅜	5/64	50
NP61430	1	1 1/64	1½	5/64	50
NP61421	1⅛	1 9/64	1¾	5/64	25
NP61425	1¼	1 17/64	1⅞	5/64	25
NP77959	1⅜	1 25/64	2¼	5/64	25
NP61414	1½	1 33/64	2¼	5/64	25
NP61428	1¾	1 49/64	2½	5/64	25

Non-Hardened Fender Washers

Fender Washers



- Steel
- Zinc Plated

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
C99581	No. 6	5/32	¾	1/32	100
C99582	No. 8	3/16	⅞	3/64	100
32710	5/16	7/32	15/16	⅛	50
NP3988	3/8	9/32	1¼	1/16	250
32570	3/16	7/32	1	1/16	100
C99564	3/16	7/32	1¼	3/64	100
C99565	3/16	7/32	1½	3/64	100
C85613	¼	9/16	⅞	1/16	100
32572	¼	9/32	1	1/16	100
32711	¼	9/32	1	⅛	50
32574	¼	9/32	1½	1/16	100
32712	¼	9/32	1¼	⅛	50
32575	¼	9/32	1¼	1/16	100
32577	¼	9/32	1½	1/16	100
32713	¼	9/32	1½	⅛	50
C93567	¼	9/32	2	3/64	100
32579	5/16	11/32	1¼	1/16	100
32714	5/16	11/32	1¼	⅛	50
32576	5/16	11/32	1½	1/16	100
C99569	5/16	11/32	1⅝	3/64	100
32571	⅜	13/32	1¼	3/32	100
32713	⅜	7/16	1¾	⅛	50
32580	⅜	7/16	1½	1/16	100
32580-X	⅜	7/16	1½	1/16	50
C5696	⅜	27/64	1⅝	3/64	100
32716	⅜	7/8	1¾	⅛	50
C99571	⅜	13/32	2	3/64	100
NP77511	7/16	29/64	1½	1/16	100
32580-1	½	17/32	2	1/16	50
32717	½	17/32	2	¼	50

†Clipped end type

Black Oxide Flat Washers

Black Oxide Flat Washers Made in U.S.A.



- Thick set-up and fixture washers used in die and jig set-ups
- C1010 Steel
- 25 - 40 RC hardness
- Conforms to TCMAI/NIJFC2A standards
- Flatness within .002

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
NP24261	3/16	13/64	½	3/32	100
NP24265	¼	9/32	¾	⅛	100
NP24266	5/16	11/32	¾	1/16	100
NP24267	¾	13/32	⅞	1/16	100
NP24268	7/16	15/32	1	1/16	100
NP24269	½	17/32	1⅛	1/16	100
NP24270	9/16	21/32	1¼	1/16	50
NP24271	¾	25/32	1¼	3/32	25
NP24272	⅞	29/32	1¾	3/32	25
NP24273	1	1 1/32	2	3/16	25

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

High Strength Split Lock Washers

Bowmalloy® Lock Washers



- Made in USA
- Meets ANSI/ASME B18.21.1 specifications
- High alloy carbon steel
- Through-hardened
- Mechanical zinc plated with yellow dichromate finish
- Non-linking type

Part No.	Unit	Part No.	Unit	Bolt Size (In.)
KP86155	250	*	*	No. 6
KP86156	250	*	*	No. 8
KP86157	250	*	*	No. 10
KP86158	250	*	*	No. 12
39725	100	36725	200	¼
39726	100	36726	200	5/16
39727	100	36727	200	3/8
39728	50	36728	200	7/16
39729	50	36729	200	½
39730	25	36730	100	9/16
39731	25	36731	100	5/8
39732	25	36732	50	¾
39733	10	36733	50	7/8
39734	10	36734	50	1
39735	10	36735	25	1⅛
39736	10	36736	25	1¼
*	*	36738	10	1½

Grade 8 Lock Washers — Non-Plated



- Made in USA
- Meets ANSI/ASME B18.21.1 specifications
- High carbon alloy steel
- Through-hardened
- Non-plated
- Non-linking type

Part No.	Bolt Size (In.)	Unit
99720	¼	100
99721	5/16	100
99722	3/8	100
99723	7/16	50
99724	½	50
99725	9/16	25
99726	5/8	25
99727	¾	25
99728	⅞	10
99729	1	10
99730	1⅛	10
99731	1¼	10
C713872	1½	10

Grade 5 Lock Washers





- Meets ANSI/ASME B18.21.1 specifications
- High carbon spring steel
- Through-hardened
- Non-linking

Part No.	Bolt Size (In.)	Unit
31320	No. 4	250
31321	No. 6	250
31322	No. 8	250
31323	No. 10	250
31324	No. 12	250
31325	¼	250
MP31325	¼	100
31326	5/16	250
MP31326	5/16	100
31327	3/8	250
MP31327	3/8	100
31328	7/16	250
MP31328	7/16	100
31329	½	250
MP31329	½	100
31330	9/16	100
MP31330	9/16	50
31331	5/8	100
MP31331	5/8	50
31332	¾	50
31333	⅞	50
31334	1	50
31335	1⅛	25
31336	1¼	25
31337	1½	25

Grade 5 Lock Washers — Non-Plated



- Meets ANSI/ASME B18.21.1 specifications
- High carbon spring steel
- Through-hardened
- Non-linking

Part No.	Bolt Size (In.)	Unit
*CD558250	No. 4	1000
*CD558251	No. 6	100
*CD558252	No. 8	500
*CD558253	No. 10	500
*CD558254	No. 12	100
33560	¼	200
33561	5/16	200
33562	⅜	200
33563	7/16	200
33564	½	200
33565	9/16	100
33566	⅝	100
33567	¾	100
33568	⅞	50
33569	1	50
33569-1	1⅛	50
33569-2	1¼	25
33569-3	1½	10

*Canada only

Heavy Split Lock Washers

Heavy Section Split Lock Washers



- Zinc plating
- Carbon steel
- Meets ANSI/ASME B18.21.1

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
KP61009	¼	.255 - .263	.491	.077	500
KP61010	5/16	.318 - .328	.596	.097	500
KP61011	⅜	.382 - .393	.691	.115	250
KP61012	7/16	.446 - .459	.787	.133	160
KP61013	½	.509 - .523	.883	.151	100
KP61015	⅝	.636 - .653	1.093	.189	100
KP61016	¾	.763 - .783	1.291	.226	50
KP61017	⅞	.890 - .912	1.494	.266	50
KP61018	1	1.017 - 1.042	1.705	.305	25

Heavy Helical Spring Lock Washers



- Meets ANSI/ASME B18.21.1 specifications
- Non-plated
- Carbon steel

Part No.	Bolt Size (In.)	Unit
33557-3/8	⅜	500
33557-1/2	½	100
33557-5/8	⅝	250
33557-3/4	¾	250
33557-7/8	⅞	100

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

High Collar Split Lock Washers

Hi-Collar Lock Washers

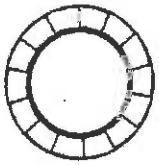


- Meets ASME B18.21.1 specifications
- High carbon steel
- Through-hardened
- Non-plated
- For use with 1960 Series socket head cap screws

Part No.	Bolt Size	Unit
36744-6	No. 6	250
36744-8	No. 8	250
36744-10	No. 10	250
KP61432	No. 12	100
36745-1/4	¼	100
MP36745-1/4	¼	50
36745-5/16	5/16	100
MP36745-5/16	5/16	50
36745-3/8	⅜	100
MP36745-3/8	⅜	50
36745-7/16	7/16	100
MP36745-7/16	7/16	25
36745-1/2	½	100
MP36745-1/2	½	25
36745-5/8	⅝	50
MP36745-5/8	⅝	25
36745-3/4	¾	50
MP36745-3/4	¾	25
36745-7/8	⅞	50
36745-1	1	25

Nord-Lock 2-Piece Lock Washers

Nord Lock Washers

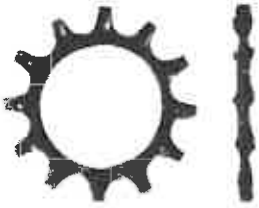


- Carbon steel
- Through-hardened
- Zinc and yellow chromate finish

Part No.	Bolt Size (in.)	I.D. (± .004) (in.)	O.D. (± .004) (in.)	Pair Thickness (± .010) (in.)	Unit (Pairs)
31509	No. 4	.126	.276	.071	200
31510	No. 8*	.169	.354	.071	200
31511	5/16	.205	.354	.071	200
MP31511	5/16	.205	.354	.071	50
31512	¼	.283	.453	.071	200
MP31512	¼	.283	.453	.071	50
31513	5/16	.323	.532	.102	200
MP31513	5/16	.323	.532	.102	25
31514	⅜	.406	.654	.102	200
MP31514	⅜	.405	.654	.102	25
31515	7/16	.449	.728	.102	200
MP31515	7/16	.449	.728	.102	10
31516	½	.531	.768	.102	100
MP31516	½	.531	.768	.102	10
31517	9/16	.571	.986	.146	100
MP31517	9/16	.571	.986	.146	10
31518	⅝	.669	1.000	.146	100
MP31518	⅝	.669	1.000	.146	10
31519	¾	.787	1.210	.146	100
MP31519	¾	.787	1.210	.146	5
31520	⅞	.902	1.358	.146	100
31521	1	1.063	1.535	.146	100
31522	1⅛	1.200	1.850	.189	50
31523	1¼	1.319	1.909	.189	50

Toothed Lock Washers-Steel

Toothed Lock Washers



- Carbon spring steel
- Non-plated
- Locking action teeth
- Vibration resistant

Ext. Type Part No.	Int. Type Part No.	Int./Ext. Type Part No.	Countersunk Ext. Part No.	Bolt Size (in.)	Unit
C611120	C611020	"	"	4	100
31340	31350	KP24090	31340	6	100
31341	31351	KP24091	31341	8	100
31342	31352	C14611	31342	10	100
31343	31353	C14602*	KP525	12	100
31344	31354	31359-1/4	31354	¼	100
31345	31355	31359-5/16	31355	5/16	100
31346	31356	31359-3/8	31356	⅜	100
31347	31357	KP14097	"	7/16	100
"	"	"	KP529	7/16	50
31348	31358	C14607	"	½	100
31348-1	"	"	"	9/16	50
31349	31359	"	"	⅝	50
31349-1	31359-1	"	"	¾	50
C86376	C86373	"	"	1	25

Fibre Washers

Fibre Washers



- Vulcanized fibre
- Electrical insulator
- Moisture resistant
- Non-compressable

Part No.	I.D. (in.)	O.D. (in.)	Thickness (in.)	Unit
31452	⅛	¼	1/32	50
31453	3/16	9/32	1/16	50
31456	3/16	⅜	1/32	50
31457	3/16	⅝	1/64	50
31459	1/32	9/16	1/32	50
C9310	¼	⅜	1/32	100
31461	¼	5/16	1/32	50
31464	1/32	½	3/64	50
31466	5/16	½	1/32	50
31467	5/16	9/16	1/32	50
31469	⅜	⅝	1/32	50
31470	⅜	11/16	3/64	50
31474	½	¾	1/16	25
31475	½	⅞	1/16	25
31476	9/16	⅞	1/16	25
31477	9/16	¾	1/32	25
31480	19/32	1	1/16	25
31481	⅝	⅞	3/64	25
31482	⅝	1	1/16	25
31483	¾	1⅛	3/64	25
31484	¾	19/16	1/16	25
31485	⅞	19/16	1/16	50
31486	⅞	15/16	1/32	25
31487	1	15/16	1/16	25
31488	1	17/16	3/32	25

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Die Stamp Washers

Machine Washers
(Die Stamp Washers)



- Case hardened
- Black oxide finish

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
31585	3/16	13/64	1/2	3/32	100
31586	1/4	9/32	5/8	1/8	100
31587	5/16	11/32	3/4	1/8	100
31588	3/8	13/32	7/8	1/8	100
31589	7/16	15/32	1	1/8	100
31590	1/2	17/32	1 1/4	1/8	100
31591	5/8	21/32	1 5/8	1/8	100
31592	3/4	25/32	1 3/4	5/32	100

Square Beveled Washers

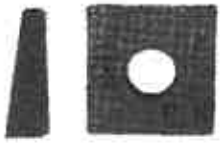
Square Beveled Washers
(Hardened)



- A325 hardened

Part No.	Screw Size (In.)	Hole Size (In.)	Square Size (In.)	Unit
31900-1/2	1/2	17/32	1 3/4	50
31900-5/8	5/8	21/32	1 3/4	50
31900-3/4	3/4	13/16	1 3/4	50
31900-7/8	7/8	15/16	1 3/4	50

Square Beveled Washers



- Malleable iron
- Non-plated
- For structural and mechanical uses such as shimming and leveling

Part No.	Screw Size	Hole Size (In.)	Square Size (In.)	Unit
32790	1/2	5/8	1 11/16	50
MP32790	1/4	5/8	1 11/16	25
32791	5/8	3/4	1	50
MP32791	5/8	3/4	1	25
32792	3/4	7/8	1 1/4	50
MP32792	3/4	7/8	1 1/4	25
32793	1/2	9/16	1 1/4	50
MP32793	1/2	9/16	1 1/4	10
32794	5/8	11/16	1 1/2	50
MP32794	5/8	11/16	1 1/2	10
32795	3/4	13/16	1 1/2	50
MP32795	3/4	13/16	1 1/2	10
32796	7/8	15/16	2	50
MP32796	7/8	15/16	2	10
32797	1	1 3/32	2	25
MP32797	1	1 3/32	2	10
32798	1 1/4	1 11/32	2 1/4	25

Brake Step Washers

Round Brake Step Washers with Prongs

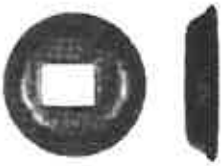


- Carbon steel
- 13 gauge
- Zinc galvanized plating
- Used with 1/2" diameter bolt

Part No.	Description	Unit
102-84	Round Brake Step Washers with Prongs	100

Bolt Seats

Bolt Seats



- Carbon steel
- 13 gauge
- Zinc galvanized plating
- Used with 1/2" diameter bolt to secure grating channels to structural supports

Part No.	Description	Unit
108-82	Bolt Seats	100

316 Cap Screws

316 Stainless Steel Hex Head Cap Screws



- UNC (USS)
- Meets ASTM F593-95 specifications
- Cold worked

Part No.	Dia. - TPI	Length (In.)	Unit
30570	1/4-20	1/2	100
MP30570	1/4-20	1/2	50
30571	1/4-20	5/8	100
30572	1/4-20	3/4	100
MP30572	1/4-20	3/4	50
30572-1	1/4-20	7/8	100
30573	1/4-20	1	100
MP30573	1/4-20	1	50
30574	1/4-20	1 1/4	100
MP30574	1/4-20	1 1/4	50
30575	1/4-20	1 1/2	100
MP30575	1/4-20	1 1/2	50
30576	1/4-20	1 3/4	100
MP30576	1/4-20	1 3/4	50
30577	1/4-20	2	100
MP30577	1/4-20	2	50
30577-1	1/4-20	2 1/4	100
MP30577-1	1/4-20	2 1/4	25
30578	1/4-20	2 1/2	100
MP30578	1/4-20	2 1/2	25
30578-1	1/4-20	2 3/4	100
MP30578-1	1/4-20	2 3/4	25
30579	1/4-20	3	100
MP30579	1/4-20	3	25
30579-1	1/4-20	3 1/2	50

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. - TPI	Length (In.)	Unit
MP30579-1	¼-20	3½	25
30579-2	¼-20	4	50
MP30579-2	¼-20	4	25
KP24846	¼-20	4½	25
KP24847	¼-20	5	25

Part No.	Dia. - TPI	Length (In.)	Unit
30580	5/16-18	½	100
MP30580	5/16-18	½	50
30581	5/16-18	⅝	100
30582	5/16-18	¾	100
MP30582	5/16-18	¾	50
30602-1	5/16-18	⅞	100
30583	5/16-18	1	100
MP30583	5/16-18	1	50
30584	5/16-18	1¼	100
MP30584	5/16-18	1¼	50
30585	5/16-18	1½	100
MP30585	5/16-18	1½	50
30586	5/16-18	1¾	100
MP30586	5/16-18	1¾	50
30587	5/16-18	2	100
MP30587	5/16-18	2	50
30588	5/16-18	2¼	100
MP30588	5/16-18	2¼	25
30589	5/16-18	2½	100
MP30589	5/16-18	2½	25
30589-1	5/16-18	2¾	100
MP30589-1	5/16-18	2¾	25
30586-1	5/16-18	3	100
MP30586-1	5/16-18	3	25
30589-3	5/16-18	3½	50
MP30589-3	5/16-18	3½	10
30589-4	5/16-18	4	50
MP30589-4	5/16-18	4	10
KP24852	5/16-18	4½	25
KP24853	5/16-18	5	25

Part No.	Dia. - TPI	Length (In.)	Unit
30592	3/8-16	½	100
MP30590	3/8-16	½	50
C24514	3/8-16	⅝	25
30591	3/8-16	¾	100
MP30591	3/8-16	¾	50
KP24856	3/8-16	⅞	100
30592	3/8-16	1	100
MP30592	3/8-16	1	50
30593	3/8-16	1¼	100
MP30593	3/8-16	1¼	50
30594	3/8-16	1½	100
MP30594	3/8-16	1½	50
30595	3/8-16	1¾	100
MP30595	3/8-16	1¾	25
30596	3/8-16	2	100
MP30596	3/8-16	2	25
30597	3/8-16	2¼	100
MP30597	3/8-16	2¼	25
30598	3/8-16	2½	50
MP30598	3/8-16	2½	10
30598-2¾	3/8-16	2¾	50
30599-3	3/8-16	3	50
MP30599-3	3/8-16	3	10
30599-2	3/8-16	3½	50
MP30599-2	3/8-16	3½	10
30600	3/8-16	4	50
MP30600	3/8-16	4	10
KP24857	3/8-16	4½	25
KP24858	3/8-16	5	25

Part No.	Dia. - TPI	Length (In.)	Unit
30601	7/16-14	1	50
MP30601	7/16-14	1	10
30602	7/16-14	1¼	50
30603	7/16-14	1½	50
MP30603	7/16-14	1½	10
30605	7/16-14	2	50
MP30605	7/16-14	2	10
C24582	7/16-14	2½	10
30607	7/16-14	3	50
MP30607	7/16-14	3	10

Part No.	Dia. - TPI	Length (In.)	Unit
30604-1	½-13	¾	50
30601	½-13	1	50
MP30601	½-13	1	25
30601-11/4	½-13	1¼	50
MP30601-11/4	½-13	1¼	25
30602	½-13	1½	50
MP30602	½-13	1½	25
30603-13/4	½-13	1¾	50
MP30603-13/4	½-13	1¾	25
30603	½-13	2	50
MP30603	½-13	2	25
30603-21/4	½-13	2¼	50
MP30603-21/4	½-13	2¼	10
30606	½-13	2½	50
MP30606	½-13	2½	10
30609-23/4	½-13	2¾	50
30604-X	½-13	3	50
MP30601-X	½-13	3	10
30604-31/4	½-13	3¼	25
30604-1X	½-13	3½	25
MP30604-1X	½-13	3½	10
30604-35/4	½-13	3¾	25
30604-2X	½-13	4	25
MP30604-2X	½-13	4	10
30604-3X	½-13	4½	25
MP30604-3X	½-13	4½	10
30604-4X	½-13	5	25
MP30604-4X	½-13	5	10
30604-5½	½-13	5½	25
30604-5X	½-13	6	25

Part No.	Dia. - TPI	Length (In.)	Unit
30604-1	⅝-11	1	25
30604-2	⅝-11	1¼	25
30604-3	⅝-11	1½	25
30604-3½	⅝-11	1¾	25
30604-5	⅝-11	2	25
MP30604-5	⅝-11	2	10
30604-21/4	⅝-11	2¼	10
30604-7	⅝-11	2½	10
30604-8	⅝-11	2¾	10
30604-9	⅝-11	3	10
30604-10	⅝-11	3½	10
30604-11	⅝-11	4	10
30604-26	⅝-11	4½	10
30604-13	⅝-11	5	10
30604-6	⅝-11	5½	10
30604-27	⅝-11	6	10

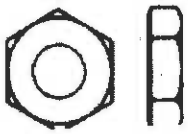
Part No.	Dia. - TPI	Length (In.)	Unit
C24560	¾-10	1	5
C24561	¾-10	1¼	5
30604-12	¾-10	1½	10
30604-14	¾-10	2	10
30604-15	¾-10	2¼	10
30604-16	¾-10	2½	10
30604-17	¾-10	2¾	10
30604-18	¾-10	3	10
30604-25	¾-10	3¼	10

Part No.	Dia. - TPI	Length (In.)	Unit
30604-19	¾-10	3½	10
30604-20	¾-10	4	10
30604-21	¾-10	4½	5
30604-22	¾-10	5	5
30604-23	¾-10	5½	5
30604-24	¾-10	6	5

Part No.	Dia. - TPI	Length (In.)	Unit
30604-29	⅞-9	1½	10
30604-31	⅞-9	2	10
30604-32	⅞-9	2½	5
30604-33	⅞-9	3	5
30604-34	⅞-9	3½	5
30604-35	⅞-9	4	5
KP24835	⅞-9	4½	5
30604-37	⅞-9	5	5
30604-38	⅞-9	5½	5
30604-39	⅞-9	6	5

Part No.	Dia. - TPI	Length (In.)	Unit
30604-40	1-8	2	5
30604-41	1-8	2½	5
KP24863	1-8	2¾	5
30604-42	1-8	3	5
30604-43	1-8	3½	5
30604-44	1-8	4	5
30604-45	1-8	4½	1
30604-46	1-8	5	1
30604-47	1-8	5½	1
30604-48	1-8	6	1

316 Stainless Steel Hex Nuts



- UNC (USS) or UNF (SAE)
- Cold worked
- Passivated

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
30605	¼-20	30617	¼-28	100
MP30605	¼-20	*	¼-28	50
30616	5/16-18	30618	5/16-24	100
MP30665	5/16-18	*	5/16-24	50
30617	3/8-16	30619	3/8-24	100
MP30607	3/8-16	*	3/8-24	50
30608	7/16-14	*	7/16-20	50
MP30608	7/16-14	*	7/16-20	50
30609	½-13	30621	½-20	50
MP30609	½-13	*	½-20	50
30609-1	9/16-11	*	9/16-18	50
MP30609-1	9/16-11	*	9/16-18	25
30609-2	¾-10	*	¾-16	50
MP30609-2	¾-10	*	¾-16	25
30609-3	⅞-9	*	⅞-14	25
30609-4	1-8	*	1-12	25

* Item not available

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

316 Stainless Steel Flat Washers
Narrow (SAE)



- Meets ANSI/ASME B18.22.1 specifications
- Cold worked
- Passivated

Part No.	Bolt Size (in.)	I.D. (in.)	O.D. (in.)	Thick. (in.)	Unit
30705	No. 4	.125	.312	.040	100
30706	No. 6	.156	.375	.065	100
30707	No. 8	.188	.438	.065	100
30708	No. 10	.219	.500	.065	100
30709	No. 12	.250	.562	.080	100
30710	¼	.281	.625	.068	100
C24656	¼	.281	.625	.080	50
30711	5/16	.344	.688	.086	100
C24657	5/16	.344	.688	.026	50
30712	⅜	.406	.812	.100	100
C24658	⅜	.406	.812	.100	25
30712-T	7/16	.469	.922	.101	100
C24659	7/16	.469	.922	.101	25
30713	½	.531	1.062	.118	100
C24660	½	.531	1.062	.182	10
30714	9/16	.656	1.312	.121	50
30714-T	9/16	.656	1.312	.182	10
30715	⅝	.812	1.469	.160	50
30715-T	⅝	.812	1.469	.182	10
30716	¾	.935	1.750	.192	25
30717	1	1.062	2.000	.192	25

Dimensional Tolerances

	Inside Dia.		Outside Dia.		Thickness	
Part No.	Plus	Minus	Plus	Minus	Min	Max
30705	0.008	0.005	0.008	0.005	0.025	0.040
30706	0.008	0.005	0.015	0.005	0.036	0.055
30707	0.008	0.005	0.015	0.005	0.036	0.065
30708	0.008	0.005	0.015	0.005	0.036	0.065
30709	0.008	0.005	0.015	0.005	0.051	0.080
30710	0.015	0.005	0.015	0.005	0.051	0.080
C24656	0.015	0.005	0.015	0.005	0.064	0.104
30711	0.015	0.005	0.015	0.005	0.051	0.080
C24657	0.015	0.005	0.015	0.005	0.064	0.104
30712	0.015	0.005	0.015	0.007	0.051	0.080
C24658	0.015	0.005	0.015	0.007	0.051	0.080
30712-T	0.015	0.005	0.015	0.007	0.051	0.080
C24659	0.015	0.005	0.015	0.007	0.051	0.080
30713	0.015	0.005	0.030	0.007	0.074	0.121
C24660	0.015	0.005	0.030	0.007	0.153	0.213
30714	0.030	0.007	0.030	0.007	0.074	0.121
30714-T	0.030	0.007	0.030	0.007	0.153	0.213
30715	0.030	0.007	0.030	0.007	0.108	0.160
30715-T	0.030	0.007	0.030	0.007	0.153	0.213
30716	0.030	0.007	0.030	0.007	0.136	0.192
30717	0.030	0.007	0.030	0.007	0.136	0.192

316 Stainless Steel Flat Washers
Wide (USS)



- Meets ANSI/ASME B18.22.1 dimensional specifications
- Cold worked
- Passivated

Part No.	Bolt Size (in.)	I.D. (in.)	O.D. (in.)	Thick. (in.)	Unit
30800	¼	.312	.734	.065	100
30801	5/16	.375	.875	.083	100
30802	⅜	.391	1.000	.083	100
30803	7/16	.500	1.250	.083	100
30804	½	.563	1.250	.109	100
30805	9/16	.688	1.500	.134	50
MP30805	9/16	.688	1.500	.134	10
30806	⅝	.812	1.875	.148	50
MP30806	⅝	.812	1.875	.148	10
30807	⅞	.937	2.250	.165	25
30808	1	1.062	2.500	.165	25

Dimensional Tolerances

	Inside Dia.		Outside Dia.		Thickness	
Part No.	Plus	Minus	Plus	Minus	Min	Max
30800	0.015	0.005	0.015	0.007	0.051	0.080
30801	0.015	0.005	0.030	0.007	0.064	0.104
30802	0.015	0.005	0.030	0.007	0.064	0.104
30803	0.015	0.005	0.030	0.007	0.064	0.104
30804	0.015	0.005	0.030	0.007	0.086	0.132
30805	0.030	0.007	0.030	0.007	0.108	0.160
MP30805	0.030	0.007	0.007	0.030	0.108	0.160
30806	0.030	0.007	0.030	0.007	0.122	0.177
MP30806	0.030	0.007	0.007	0.030	0.122	0.177
30807	0.030	0.007	0.030	0.007	0.136	0.192
30808	0.030	0.007	0.030	0.007	0.136	0.192

316 Stainless Steel Lock Washers



- Meets ASME B18.21.1 specifications
- Cold worked

Part No.	Bolt Size (in.)	Unit
30720	¼	100
30721	5/16	100
30722	⅜	100
30722-1	7/16	100
MP30722-1	7/16	50
30723	½	100
MP30723	½	50
30724	9/16	50
30725	⅝	25
30726	¾	25
30727	1	25

18-8 Cap Screws

Stainless Steel (18-8) Hex Head Cap Screws



- UNC (USS) or UNF (SAE)
- Meets ASTM F593-95 specifications
- 304 or XM7 stainless steel
- Cold worked

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia. (in.)	Length (in.)	Unit
92361	*	¼	¾	50
92362	92702	¼	½	50
92362-1	*	¼	⅝	50
92363	92703	¼	¾	50
92363-1	*	¼	⅞	50
92364	92704	¼	1	50
92365	*	¼	1¼	50
*	MP92355	¼	1¼	100
92366	92706	¼	1½	50
92367	*	¼	1¾	50
92368	92708	¼	2	50
92369	*	¼	2¼	50
92370	92710	¼	2½	50
MP92370	*	¼	2½	25
92311	*	¼	2¾	50
92312	*	¼	3	50
MP92312	*	¼	3	25
92312-1	*	¼	3¼	50
92313	*	¼	3½	50
MP92313	*	¼	3½	25
92314	*	¼	4	50
MP92314	*	¼	4	25
92315	*	¼	4½	25
92316	*	¼	5	25
C24586	*	¼	6	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (in.)	Length (in.)	Unit
92318	92718	5/16	½	50
92318-1	*	5/16	⅝	50
92319	92719	5/16	¾	50
92319-1	*	5/16	⅞	50
92320	92720	5/16	1	50
92321	92721	5/16	1¼	50
MP92321	*	5/16	1¼	25
92322	92722	5/16	1½	50
MP92322	*	5/16	1½	25
92323	*	5/16	1¾	50
*	*	5/16	1¾	25
92324	92724	5/16	2	50
MP92324	*	5/16	2	25
92325	*	5/16	2¼	50
92326	92726	5/16	2½	50
MP92326	*	5/16	2½	10
92327	*	5/16	2¾	50
92328	*	5/16	3	50

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
[illegible]	*	5/16	3	10
92328-1	*	5/16	3¼	50
92329	*	5/16	3½	50
[illegible]	*	5/16	3½	10
92330	*	5/16	4	50
[illegible]	*	5/16	4	10
92331	*	5/16	4½	50
92332	*	5/16	5	50
92332-1	*	5/16	5½	50
92333	*	5/16	6	50

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia. (In.)	Length (In.)	Unit
92334	92734	3/8	½	50
92334-1	*	3/8	5/8	50
92335	92735	3/8	¾	50
92336	92736	3/8	1	50
92337	*	3/8	1¼	50
[illegible]	*	3/8	1¼	25
*	[illegible]	3/8	1¼	100
92253	92738	3/8	1½	50
[illegible]	*	3/8	1½	25
92339	*	3/8	1¾	25
92340	92740	3/8	2	25
92341	*	3/8	2¼	25
92342	92742	3/8	2½	25
[illegible]	*	3/8	2½	10
92343	*	3/8	2¾	25
92344	*	3/8	3	25
[illegible]	*	3/8	3	10
92334-1	*	3/8	3¼	25
92345	*	3/8	3½	25
[illegible]	*	3/8	3½	10
92345-1	*	3/8	3¾	25
92346	*	3/8	4	25
[illegible]	*	3/8	4	10
92347	*	3/8	4½	25
92348	*	3/8	5	25
92349	*	3/8	5½	25
92389	*	3/8	6	25
92350-1	*	3/8	6½	25
92351	*	3/8	8	25
92353	*	3/8	9	25

UNC Part No. TPI-14	UNF Part No. TPI-20	Dia. (In.)	Length (In.)	Unit
92785-1	*	7/16	¾	25
92785-2	92785-2	7/16	1	25
[illegible]	*	7/16	1	10
92386	*	7/16	1¼	25
92387	92787	7/16	1½	25
[illegible]	*	7/16	1½	10
92388	*	7/16	1¾	25
92390	92790	7/16	2	25
[illegible]	*	7/16	2	10
92390-3	*	7/16	2¼	25
92390-1	*	7/16	2½	25
[illegible]	*	7/16	2½	10
92390-2	*	7/16	3	25
[illegible]	*	7/16	3	10
92391	*	7/16	3½	25
[illegible]	*	7/16	3½	10
92391-1	*	7/16	4	25
[illegible]	*	7/16	4	10
92392	*	7/16	4½	10
92392-1	*	7/16	5	10

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia. (In.)	Length (In.)	Unit
92352	*	½	¾	25
92354	92754	½	1	25
92355	*	½	1¼	25
*	[illegible]	½	1¼	50
92358	92755	½	1½	25
92359	*	½	1¾	25
92360	92760	½	2	25
[illegible]	*	½	2	10
92361	*	½	2¼	25
92362	*	½	2½	25
[illegible]	*	½	2½	10
*	[illegible]	½	2½	50
92363	*	½	2¾	25
92364	92764	½	3	25
[illegible]	*	½	3	10
92364-1	*	½	3¼	25
92365	*	½	3½	25
[illegible]	*	½	3½	10
92366	*	½	4	25
[illegible]	*	½	4	10
92365-1	*	½	4½	10
92367	*	½	5	10
92367-1	*	½	5½	10
92368	*	½	6	10
92369	*	½	7	10

UNC Part No. TPI-12	UNF Part No. TPI-18	Dia. (In.)	Length (In.)	Unit
92370	*	9/16	2½	25

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia. (In.)	Length (In.)	Unit
92371	*	5/8	1	10
92372	*	5/8	1¼	10
92373	*	5/8	1½	10
92374	*	5/8	1¾	10
92375	*	5/8	2	10
92376	*	5/8	2¼	10
92377	*	5/8	2½	10
92378	*	5/8	2¾	10
92379	*	5/8	3	10
92380	*	5/8	3½	10
92381	*	5/8	4	10
92382	*	5/8	4½	10
92383	*	5/8	5	10
92384	*	5/8	5½	10
92385	*	5/8	6	10

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia. (In.)	Length (In.)	Unit
92393	*	¾	1½	10
92391	*	¾	1¾	10
92395	*	¾	2	10
92396	*	¾	2¼	10
92397	*	¾	2½	10
92393	*	¾	2¾	10
92399	*	¾	3	10
92398-1	*	¾	3¼	10
92400	*	¾	3½	10
92401	*	¾	4	10
92401-1	*	¾	4½	10
92402	*	¾	5	10
92402-1	*	¾	5½	10
92403	*	¾	6	10
92404	*	¾	7½	10

UNC Part No. TPI-9	UNF Part No. TPI-14	Dia. (In.)	Length (In.)	Unit
92405	*	7/8	1½	5
92407	*	7/8	2	5
92409	*	7/8	2½	5
92411	*	7/8	3	5
92413	*	7/8	3½	5
92415	*	7/8	4	5
92416	*	7/8	4½	5
92417	*	7/8	5	5
92418	*	7/8	5½	5
92419	*	7/8	6	5

UNC Part No. TPI-8	UNF Part No. TPI-14	Dia. (In.)	Length (In.)	Unit
92420	*	1	2	5
92420-1	*	1	2½	5
92421	*	1	3	5
92421-1	*	1	3½	5
92422	*	1	4	5
92422-1	*	1	4½	5
92423	*	1	5	5
92423-1	*	1	5½	5
92424	*	1	6	1

* Item Not Available

Stainless Steel (18-8) Hex Nuts



- UNC (USS) or UNF (SAE)
- Meets ANSI/ASME B18.6.3 dimensional specifications
- 304 or XM7 stainless steel
- Cold worked
- Passivated

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
[illegible]	No. 2-56	*		50
93602	No. 4-48	*	No. 4-48	100
93603	No. 6-32	*	No. 6-40	100
93604	No. 8-32	*	No. 8-36	100
93605	No. 10-24	93607	No. 10-32	100
93605-2	No. 12-24	*	No. 12-32	100
93606	¼-20	92806	¼-28	100
[illegible]	¼-20	*	¼-28	50
** [illegible]	¼-20	*		50
93609	5/16-18	92809	5/16-24	100
[illegible]	5/16-18	*	5/16-24	50
93611	3/8-16	92811	3/8-24	100
[illegible]	3/8-16	*	3/8-24	50
93611-1	7/16-14	92812	7/16-20	100
[illegible]	7/16-14	*	7/16-20	25
93613	½-13	92813	½-20	100
[illegible]	½-13	*	½-20	25
93614	9/16-11	*	9/16-18	50
[illegible]	9/16-11	*	9/16-18	25
92615	¾-10	*	¾-16	25
93616	7/8-9	*	7/8-14	25
[illegible]	7/8-14	*	7/8-14	10
93617	1-8	*	1-14	25
[illegible]	1-8	*	1-14	5

* Item not available

** Thin style for machine screws

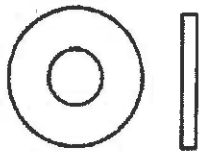
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel

Stainless Steel (18-8) Flat Washers
Narrow (SAE)



- Meets ANSI/ASME B 18.22.1 dimensional specifications
- 304 stainless steel
- Cold worked
- Passivated

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Thick. (In.)	Unit
MP77670	No. 2	.094	.188	.025	100
93759	No. 4	.125	.312	.032	100
93761	No. 6	.156	.375	.049	100
93762	No. 8	.188	.375	.049	100
93763	No. 10	.219	.445	.049	100
93764	No. 12	.257	.568	.065	100
93765	¼	.281	.625	.065	100
93766	5/16	.344	.688	.065	100
93767	3/8	.406	.812	.065	100
93767-1	3/8	.469	.922	.065	100
MP93767-1	3/8	.469	.922	.065	50
93769	½	.531	1.062	.095	100
MP93769	½	.531	1.062	.095	50
93770	9/16	.656	1.312	.095	50
93771	¾	.812	1.469	.134	25
93771-7/8	⅞	.938	1.750	.134	25
93771-1	1	1.062	2.000	.134	25

Dimensional Tolerances

	Inside Dia.		Outside Dia.		Thickness	
Part No.	Plus	Minus	Plus	Minus	Min	Max
MP77670	0.000	0.005	0.000	0.005	0.022	0.028
93760	0.008	0.005	0.008	0.005	0.025	0.040
93761	0.008	0.005	0.015	0.005	0.036	0.065
93762	0.008	0.005	0.015	0.005	0.036	0.065
93763	0.008	0.005	0.015	0.005	0.036	0.065
93764	0.008	0.005	0.015	0.005	0.051	0.080
93765	0.015	0.005	0.015	0.005	0.051	0.080
93766	0.015	0.005	0.015	0.005	0.051	0.080
93767	0.015	0.005	0.015	0.005	0.051	0.080
93767-1	0.015	0.005	0.015	0.005	0.051	0.080
MP93767-1	0.015	0.005	0.015	0.005	0.051	0.080
93769	0.015	0.005	0.030	0.007	0.074	0.121
MP93769	0.015	0.005	0.030	0.007	0.074	0.121
93770	0.030	0.007	0.030	0.007	0.074	0.121
93771	0.030	0.007	0.030	0.007	0.108	0.160
93771-7/8	0.030	0.007	0.030	0.007	0.108	0.160
93771-1	0.030	0.007	0.030	0.007	0.108	0.160

Stainless Steel (18-8) Flat Washers
Wide (USS)



- Meets ANSI/ASME B 18.22.1 dimensional specifications
- 304 stainless steel
- Cold worked
- Passivated

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Thick. (In.)	Unit
MP77824	No. 2	.094	.250	.032	100
MP66842	No. 3	.109	.312	.032	100
MP77825	No. 4	.125	.375	.041	100
MP71055	No. 6	.156	.438	.041	100
MP71056	No. 8	.188	.50	.041	100
MP71057	No. 10	.203	.562	.041	100
93700	¼	.312	.734	.065	100
93701	5/16	.375	.875	.088	100
93702	3/8	.438	1.000	.083	100
93703	7/16	.500	1.250	.083	100
93704	½	.562	1.375	.109	100
93705	9/16	.688	1.750	.134	50
93706	¾	.812	2.000	.148	50
93707	⅞	.938	2.250	.165	25
93708	1	1.062	2.500	.165	25

Dimensional Tolerances

	Inside Dia.		Outside Dia.		Thickness	
Part No.	Plus	Minus	Plus	Minus	Min	Max
MP77824	0.000	0.005	0.000	0.005	0.028	0.036
MP66842	0.000	0.005	0.000	0.005	0.08	0.036
MP77825	0.008	0.005	0.008	0.005	0.036	0.045
MP71055	0.008	0.005	0.008	0.005	0.036	0.045
MP71056	0.008	0.005	0.008	0.005	0.036	0.045
MP71057	0.008	0.005	0.008	0.005	0.036	0.045
93700	0.015	0.005	0.015	0.007	0.051	0.080
93701	0.015	0.005	0.030	0.007	0.064	0.104
93702	0.015	0.005	0.030	0.007	0.064	0.104
93703	0.015	0.005	0.030	0.007	0.064	0.104
93704	0.015	0.005	0.030	0.007	0.086	0.160
93705	0.030	0.007	0.030	0.007	0.108	0.160
93706	0.030	0.007	0.030	0.007	0.122	0.177
93707	0.030	0.007	0.030	0.007	0.095	0.115
93708	0.030	0.007	0.030	0.007	0.115	0.135

Stainless Steel (18-8) Lock Washers



- 304 stainless steel
- Cold worked
- Passivated
- Non-linking type

Part No.	Bolt Size	Unit
MP77826	No. 2	100
93772	No. 4	200
93773	No. 6	200
93774	No. 8	200
93775	No. 10	100
93776	No. 12	100
93777	¼	100
93778	5/16	100
93779	3/8	100
93779-1	7/16	100
MP93779-1	7/16	50
93781	½	100
MP93781	½	50
93782	9/16	50
93783	¾	25
93784	⅞	25
93785	1	25

Bolts

Stainless Steel (18-8) Carriage Bolts



- UNC (USS)
- Meets ANSI/ASME B18.5 specifications except threaded to the square
- 302 or 304 stainless steel
- Passivated
- Round head/square neck

UNC (USS) Part No.	Dia.-TPI	Length (In.)	Unit
MS-93300	¼-20	½	25
93301	¼-20	¾	25
93302	¼-20	1	25
C31273	¼-20	1¼	50
93303	¼-20	1½	25
93304	¼-20	2	25
MS-93304-1	¼-20	2¼	25
93305	¼-20	2½	25
93306	¼-20	3	25
MS-93306-1	¼-20	3½	25
93307	¼-20	4	25

UNC (USS) Part No.	Dia.-TPI	Length (In.)	Unit
93310	5/16-18	¾	25
93311	5/16-18	1	25
MP549	5/16-18	1¼	50
93312	5/16-18	1½	25
93313	5/16-18	2	25
93314	5/16-18	2½	25
93315	5/16-18	3	25
93316	5/16-18	3½	25
93317	5/16-18	4	25
MS-93319	5/16-18	5	25

UNC (USS) Part No.	Dia.-TPI	Length (In.)	Unit
93321	3/8-16	¾	25
93322	3/8-16	1	25
MP561	3/8-16	1¼	25
93323	3/8-16	1½	25
93324	3/8-16	2	25
93325	3/8-16	2½	25
93326	3/8-16	3	25
93327	3/8-16	3½	25
93328	3/8-16	4	25
MS-93328-1	3/8-16	4½	25
MS-93329-1	3/8-16	5½	25

UNC (USS) Part No.	Dia.-TPI	Length (In.)	Unit
93334	½-13	1	25
MS-93334-1	½-13	1¼	25
93335	½-13	1½	25
93336	½-13	2	25
93337	½-13	2½	25
93338	½-13	3	25
93339	½-13	3½	25
93340	½-13	4	25
MS-93340-1	½-13	4½	25
93341	½-13	5	25
MS-93342	½-13	5½	25

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel (18-8) Socket Head Cap Screws



- UNC (USS) or UNF (SAE)
- Meets ANSI/ASME B.18.3 specifications
- 302, 304 or XM7 stainless steel
- Passivated

UNC Part No. TPI-56	UNF Part No. TPI-64	Dia.	Length (In.)	Unit
[illegible]	*	No. 2	1/8	100
[illegible]	*	No. 2	3/16	100
[illegible]	*	No. 2	1/4	100
[illegible]	*	No. 2	5/16	100
[illegible]	*	No. 2	3/8	100
[illegible]	*	No. 2	7/16	100
[illegible]	*	No. 2	1/2	100
[illegible]	*	No. 2	5/8	100
[illegible]	*	No. 2	3/4	100
[illegible]	*	No. 2	7/8	100
[illegible]	*	No. 2	1	100

UNC Part No. TPI-48	UNF Part No. TPI-56	Dia.	Length (In.)	Unit
[illegible]	*	No. 3	3/16	100
[illegible]	*	No. 3	1/4	100
[illegible]	*	No. 3	3/8	100
[illegible]	*	No. 3	1/2	100

UNC Part No. TPI-40	UNF Part No. TPI-48	Dia.	Length (In.)	Unit
92109	*	No. 4	3/16	50
92110	*	No. 4	1/4	50
92111	*	No. 4	5/16	50
92112	*	No. 4	3/8	50
92113	*	No. 4	1/2	50
92114	*	No. 4	5/8	50
92115	*	No. 4	3/4	50
92117	*	No. 4	1	25
92118	*	No. 4	1 1/4	25
92119	*	No. 4	1 1/2	25

UNC Part No. TPI-40	UNF Part No. TPI-44	Dia.	Length (In.)	Unit
92121	*	No. 5	3/4	50

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (In.)	Unit
92003-1	*	No. 6	3/16	50
92003	*	No. 6	1/4	50
92001	*	No. 6	5/16	50
92001-1	*	No. 6	3/8	50
92001-2	*	No. 6	7/16	50
92002	*	No. 6	1/2	50
92003	*	No. 6	5/8	50
92004	*	No. 6	3/4	50
92004-1	*	No. 6	7/8	25
92004-2	*	No. 6	1	25

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (In.)	Unit
92004-3	*	No. 6	1 1/4	10
92003-4	*	No. 6	1 1/2	10
92004-6	*	No. 6	2	10

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia.	Length (In.)	Unit
92005-3	*	No. 8	3/16	50
92006	*	No. 8	1/4	25
92005	*	No. 8	5/16	25
92005-1	*	No. 8	3/8	25
92007	*	No. 8	7/16	25
92008	*	No. 8	1/2	25
92009	*	No. 8	5/8	25
92010	*	No. 8	3/4	25
92011	*	No. 8	7/8	25
92012	*	No. 8	1	25
92013	*	No. 8	1 1/4	10
92014	*	No. 8	1 1/2	10
92014-2	*	No. 8	1 3/4	10
92014-1	*	No. 8	2	10

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
*	92012	No. 10	3/16	50
92014-3	92013	No. 10	1/4	50
92015	92015	No. 10	3/8	25
92016	92016	No. 10	1/2	25
92017	92017	No. 10	5/8	25
92018	92018	No. 10	3/4	25
92019	92018-1	No. 10	7/8	25
92020	92020	No. 10	1	25
92021	92021	No. 10	1 1/4	25
92022	92022	No. 10	1 1/2	25
92023	92023	No. 10	1 3/4	10
92024-1	92024	No. 10	2	10

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (In.)	Unit
92024-5	*	1/4	1/4	50
92024	92037-8	1/4	3/8	50
92024-1	*	1/4	7/16	25
92025	92037-1	1/4	1/2	25
92027	92037-3	1/4	5/8	25
92028	92037-4	1/4	3/4	25
92029	*	1/4	7/8	25
92030	92037-5	1/4	1	25
92031	92037-6	1/4	1 1/4	25
92032	92037-7	1/4	1 1/2	25
92033	*	1/4	1 3/4	25
92034	*	1/4	2	25
92034-1	*	1/4	2 1/4	25
92035	*	1/4	2 1/2	10
92036	*	1/4	3	10
92037	*	1/4	3 1/2	10
92037-1	*	1/4	4	10

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
92038	*	5/16	3/8	25
92039	*	5/16	1/2	25
92039-1	*	5/16	5/8	25
92040	92059	5/16	3/4	25
92041	92059-1	5/16	1	25
92042	*	5/16	1 1/4	25
92043	92051-1	5/16	1 1/2	25
92044	*	5/16	1 3/4	25
92045	*	5/16	2	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
92046	*	5/16	2 1/4	25
92047	*	5/16	2 1/2	10
92639	*	5/16	3	10

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
92052	*	3/8	1/2	10
92053	*	3/8	5/8	10
92054	92072	3/8	3/4	10
92054-1	*	3/8	7/8	10
92056	*	3/8	1	10
92057	92075	3/8	1 1/4	10
92058	92076	3/8	1 1/2	10
92058-1	*	3/8	1 3/4	10
92059	*	3/8	2	10
92060	*	3/8	2 1/4	10
92061	*	3/8	2 1/2	10
92063	*	3/8	3	10

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia.	Length (In.)	Unit
92064	*	1/2	3/4	10
92064-1	*	1/2	7/8	10
92065	*	1/2	1	10
92066	*	1/2	1 1/4	10
92067	*	1/2	1 1/2	10
92068	*	1/2	1 3/4	10
92069	*	1/2	2	10
92070	*	1/2	2 1/4	10
92071	*	1/2	2 1/2	10
92648	*	1/2	3	10

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia.	Length (In.)	Unit
92074	*	5/8	1	25
92075	*	5/8	1 1/4	25
92076	*	5/8	1 1/2	25
92077	*	5/8	1 3/4	25
92078	*	5/8	2	25
92079	*	5/8	2 1/2	10
92079-1	*	5/8	3	10

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia.	Length (In.)	Unit
92399-2	*	3/4	1 1/4	10
92079-3	*	3/4	1 1/2	10
92079-4	*	3/4	1 3/4	5
92079-6	*	3/4	2 1/2	5
92079-7	*	3/4	3	5

* Items Not Available

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel

Stainless Steel (18-8) Socket Flat Countersunk Head Cap Screws



- Meets ANSI/ASME B18.3 specifications
- 302, 304, or XM7 stainless steel
- Passivated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
C629042	No. 2-56	3/16	100
C629044	No. 2-56	1/4	100
C629046	No. 2-56	5/16	100
C629043	No. 2-56	3/8	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
63830	No. 4-40	1/4	100
C629076	No. 4-40	5/16	100
62821	No. 4-40	3/8	100
62822	No. 4-40	1/2	100
C629086	No. 4-40	5/8	100
C629088	No. 4-40	3/4	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
62824	No. 6-32	1/4	100
C629102	No. 6-32	5/16	100
63825	No. 6-32	3/8	100
63825-1	No.6-32	7/16	100
63826	No. 6-32	1/2	100
63827	No. 6-32	5/8	100
63828	No. 6-32	3/4	100
C629114	No. 6-32	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
63832-1	No. 8-32	1/4	100
C629142	No. 8-32	5/16	100
63829	No. 8-32	3/8	100
63833	No. 8-32	1/2	100
63831	No. 8-32	5/8	100
63832	No. 8-32	3/4	100
63823	No. 8-32	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
63835	No. 10-24	3/8	100
63836	No. 10-24	1/2	100
63837	No. 10-24	5/8	100
63838	No. 10-24	3/4	100
63839	No. 10-24	1	100
63840	No. 10-24	1 1/4	100
63841	No. 10-24	1 1/2	100

UNF Part No.	Dia. - TPI	Length (In.)	Unit
63845	No. 10-32	3/8	100
63846	No. 10-32	1/2	100
63847	No. 10-32	5/8	100
63848	No. 10-32	3/4	100
63849	No. 10-32	1	100
63850	No. 10-32	1 1/4	100
63851	No. 10-32	1 1/2	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
63855	1/4 - 20	3/8	100
63856	1/4 - 20	1/2	100
MP63856	1/4 - 20	1/2	50
63857	1/4 - 20	5/8	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
MP63857	1/4 - 20	5/8	50
63858	1/4 - 20	3/4	100
MP63858	1/4 - 20	3/4	50
63850-1	1/4-20	7/8	100
63859	1/4 - 20	1	100
MP63859	1/4 - 20	1	50
63860	1/4 - 20	1 1/4	100
MP63860	1/4 - 20	1 1/4	25
63861	1/4 - 20	1 1/2	100
MP63861	1/4 - 20	1 1/2	25
63861-1	1/4 - 20	1 3/4	50
63831-2	1/4 - 20	2	50
63861-21/2	1/4 - 20	2 1/2	50

UNF Part No.	Dia. - TPI	Length (In.)	Unit
63868	1/4 - 28	1/2	100
63869	1/4 - 28	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
63865	5/16-18	1/2	100
MP63865	5/16-18	1/2	25
63866	5/16-18	5/8	100
63867	5/16-18	3/4	100
MP63867	5/16-18	3/4	25
63868	5/16-18	1	100
MP63868	5/16-18	1	25
63869	5/16-18	1 1/4	100
MP63869	5/16-18	1 1/4	25
63870	5/16-18	1 1/2	100
MP63870	5/16-18	1 1/2	25
63871	5/16-18	1 3/4	50
63872	5/16-18	2	50
63873	5/16-18	2 1/2	50
MP99550	5/16-18	3	10

UNC Part No.	Dia. - TPI	Length (In.)	Unit
MP99551	3/8-16	1/2	25
63875	3/8-16	3/4	50
MP63875	3/8-16	3/4	25
63876	3/8-16	1	50
MP63876	3/8-16	1	25
63877	3/8-16	1 1/4	50
MP63877	3/8-16	1 1/4	25
63878	3/8-16	1 1/2	50
MP63878	3/8-16	1 1/2	25
63879	3/8-16	1 3/4	50
63880	3/8-16	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
63881	7/16-13	3/4	25
63882	7/16-13	1	25
63883	7/16-13	1 1/4	25
63884	1/2-13	1 1/2	25
63885	1/2-13	1 3/4	25
63886	1/2-13	2	25
63886-21/2	1/2-13	2 1/2	25
63886-3	1/2-13	3	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
63889	5/8-11	1	5
63891	5/8-11	1 1/4	5
63892	5/8-11	1 1/2	5
63893	5/8-11	2	5
63894	5/8-11	2 1/2	5
63894-1	5/8-11	2 3/4	5
63895	5/8-11	3	5

Stainless Steel (18-8) Socket Button Head Cap Screws



- UNC (USS) or UNF (SAE)
- Meets ANSI/ASME B18.3 specifications
- 302, 304 or XM7 stainless steel
- Passivated

UNC Part No.	Dia. - TPI	Length (In.)	Unit
93039-3	No. 2-56	1/8	100
93040	No. 2-56	3/16	100
93041	No. 2-56	1/4	100
93042	No. 2-56	5/16	100
93043	No. 2-56	3/8	100
93045	No. 2-56	1/2	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
93048	No. 4-40	1/4	100
93049	No. 4-40	5/16	100
93050	No. 4-40	3/8	50
93051	No. 4-40	5/16	100
93052	No. 4-40	3/8	50
93053	No. 4-40	7/16	100
93054	No. 4-40	1/2	50
93055	No. 4-40	5/8	100
93056	No. 4-40	3/4	50
93058	No. 4-40	1	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
93061	No. 6-32	3/16	100
93062	No. 6-32	1/4	50
93063	No. 6-32	5/16	50
93064	No. 6-32	3/8	50
93065	No. 6-32	7/16	50
93066	No. 6-32	1/2	50
93067	No. 6-32	5/8	50
93068	No. 6-32	3/4	50
93069	No. 6-32	7/8	50
93070	No. 6-32	1	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
93074	No. 8-32	1/4	100
93074-1	No. 8-32	5/16	100
93075	No. 8-32	3/8	50
93076	No. 8-32	1/2	50
93077	No. 8-32	5/8	50
93078	No. 8-32	3/4	50
93078-1	No. 8-32	7/8	100
93079	No. 8-32	1	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
93081	No. 10-24	1/4	50
93088	No. 10-24	5/16	100
93083	No. 10-24	3/8	50
93085	No. 10-24	1/2	50
93086	No. 10-24	5/8	50
93087	No. 10-24	3/4	50
93087-1	No. 10-24	7/8	100
93088	No. 10-24	1	50
93089	No. 10-24	1 1/4	50
93089-1	No. 10-24	1 1/2	50

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNF Part No.	Dia. - TPI	Length (In.)	Unit
93092	No. 10-32	¼	50
93093	No. 10-32	5/16	50
93094	No. 10-32	⅜	50
93094-1	No. 10-32	7/16	50
93095	No. 10-32	½	50
93096	No. 10-32	5/8	50
93097	No. 10-32	¾	50
93097-1	No. 10-32	⅞	50
93053	No. 10-32	1	50
93098-1	No. 10-32	1¼	25
93099	No. 10-32	1½	25
93095-2	No. 10-32	2	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
93105	¼ - 20	⅜	25
93106	¼ - 20	½	25
93106-1	¼ - 20	5/8	100
93107	¼ - 20	¾	25
93107-1	¼ - 20	⅞	25
93108	¼ - 20	1	25
93108-1	¼ - 20	1¼	50
93109	¼ - 20	1½	25
93109-1	¼ - 20	1¾	50
93110	¼ - 20	2	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
93122	5/16-18	½	50
93123	5/16-18	5/8	50
93124	5/16-18	¾	50
93125	5/16-18	1	50
93126	5/16-18	1¼	50
93127	5/16-18	1½	50
93128	5/16-18	1¾	50
93129	5/16-18	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
93111	⅜-16	¾	50
93112	⅜-16	1	50
93113	⅜-16	1¼	50
93114	⅜-16	1½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
93115	½-13	1	10
93116	½-13	1¼	10
93117	½-13	1½	10

Stainless Steel (18-8) Socket Head Shoulder Screws



- UNC (USS)
- Meets ANSI/ASME B18.3 specifications
- 302, 303 or 304 stainless steel
- Cold worked
- Passivated

Part No.	Shoulder Dia. (In.)	Thread Size	Shoulder Lgth. (In.)	Unit
93401	¼	10-24 x 3/16	3/16	10
93402	¼	10-24 x 3/16	½	10
93403	¼	10-24 x 3/16	5/8	10
93404	¼	10-24 x 3/16	¾	10
93405	¼	10-24 x 3/16	1	10
93406	¼	10-24 x 3/16	1¼	10
93407	¼	10-24 x 3/16	1½	10

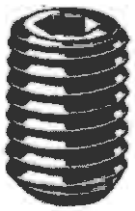
Part No.	Shoulder Dia. (In.)	Thread Size	Shoulder Lgth. (In.)	Unit
93410	5/16	¼-20 x 3/16	¼	10
93411	5/16	¼-20 x 3/16	3/8	10
93412	5/16	¼-20 x 3/16	½	10
93413	5/16	¼-20 x 3/16	5/8	10
93414	5/16	¼-20 x 3/16	¾	10
93415	5/16	¼-20 x 3/16	1	10
93416	5/16	¼-20 x 3/16	1¼	10
93417	5/16	¼-20 x 3/16	1½	10

Part No.	Shoulder Dia. (In.)	Thread Size	Shoulder Lgth. (In.)	Unit
93423	3/8	5/16-18 x ½	3/8	10
93421	3/8	5/16-18 x ½	½	10
93422	3/8	5/16-18 x ½	5/8	10
93423	3/8	5/16-18 x ½	¾	10
93424	3/8	5/16-18 x ½	1	10
93425	3/8	5/16-18 x ½	1¼	5
93426	3/8	5/16-18 x ½	1½	5

Part No.	Shoulder Dia. (In.)	Thread Size	Shoulder Lgth. (In.)	Unit
93430	½	3/8-16 x 3/4	¾	5
93431	½	3/8-16 x 3/8	1	5
93432	½	3/8-16 x 3/8	1¼	5
93433	½	3/8-16 x 3/8	1½	5
93434	½	3/8-16 x 3/8	2	5

316 Stainless Steel Socket Set Screws

Cup Point Type



- UNC (USS) or UNF (SAE)
- Meets ANSI/ASME B18.3 specifications
- Cold worked
- Passivated

UNC Part No. TPI-40	UNF Part No. TPI-48	Dia.	Length (In.)	Unit
63560	*	No. 4	1/8	50
63561	*	No. 4	3/16	50
63562	*	No. 4	¼	50

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (In.)	Unit
63563	*	No. 6	⅛	50
63564	*	No. 6	3/16	50
63565	*	No. 6	¼	50
63566	*	No. 6	5/16	50
63567	*	No. 6	⅜	50

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia.	Length (In.)	Unit
63569	*	No. 8	¼	50

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
63570	*	No. 10	3/16	50
63571	NS-63570	No. 10	¼	50
63572	NS-63579	No. 10	5/16	50
63573	NS-63580	No. 10	⅜	50
63574	*	No. 10	½	50
63576	*	No. 10	¾	25

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (In.)	Unit
63583	*	⅛	3/16	25
63585	*	¼	¼	25
63586	*	¼	5/16	25
63587	*	¼	⅜	25
63588	*	¼	½	25
63589	*	¼	5/8	25
63590	*	¼	¾	25
63591	*	¼	1	25

UNC Part No. TPI-18	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
63592	*	5/16	¼	25
63593	*	5/16	5/16	25
63594	*	5/16	⅜	25
63595	*	5/16	½	25
63596	*	5/16	⅝	25
63597	*	5/16	¾	25
63598	*	5/16	1	25

UNC Part No. TPI-16	UNF Part No. TPI-24	Dia.	Length (In.)	Unit
63601	*	⅜	5/16	25
63601	*	⅜	⅜	25
63602	*	⅜	½	25
63603	*	⅜	5/8	25
63604	*	⅜	¾	25
63605	*	⅜	1	25

UNC Part No. TPI-13	UNF Part No. TPI-20	Dia.	Length (In.)	Unit
63606	*	½	½	25
63607	*	½	5/8	25
63608	*	½	¾	25
63609	*	½	1	25

UNC Part No. TPI-11	UNF Part No. TPI-18	Dia.	Length (In.)	Unit
63610	*	5/8	½	5
63611	*	5/8	¾	5
63612	*	5/8	1	5

UNC Part No. TPI-10	UNF Part No. TPI-16	Dia.	Length (In.)	Unit
63613	*	¾	¾	1
63614	*	¾	1	1

* Item not available

NOTE: Part numbers prefixed with NS are sold through our Industrial Supply Division (ISD).

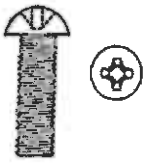
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel (18-8) Machine Screws

Phillips Round Head



- UNC (USS) or UNF (SAE)

UNC Part No.	Dia. - TPI	Length (In.)	Unit
NS-64050-R	No. 2-56	1/8	100
NS-64051-R	No. 2-56	3/16	100
NS-64052-R	No. 2-56	1/4	100
NS-64053-R	No. 2-56	5/16	100
NS-64054-R	No. 2-56	3/8	100
NS-64055-R	No. 2-56	7/16	100
NS-64056-R	No. 2-56	1/2	100
NS-64057-R	No. 2-56	5/8	100
NS-64058-R	No. 2-56	3/4	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
NS-64060-R	No. 4-40	1/8	100
NS-64061-R	No. 4-40	3/16	100
NS-64062-R	No. 4-40	1/4	100
NS-64063-R	No. 4-40	5/16	100
NS-64064-R	No. 4-40	3/8	100
NS-64065-R	No. 4-40	7/16	100
NS-64066-R	No. 4-40	1/2	100
NS-64067-R	No. 4-40	5/8	100
NS-64068-R	No. 4-40	3/4	100
NS-64069-R	No. 4-40	7/8	100
NS-64070-R	No. 4-40	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
NS-64071-R	No. 6-32	3/16	50
NS-64072-R	No. 6-32	1/4	100
NS-64073-R	No. 6-32	5/16	100
NS-64074-R	No. 6-32	3/8	100
NS-64075-R	No. 6-32	7/16	100
NS-64076-R	No. 6-32	1/2	100
NS-64077-R	No. 6-32	5/8	100
NS-64078-R	No. 6-32	3/4	100
NS-64079-R	No. 6-32	7/8	100
NS-64080-R	No. 6-32	1	100
NS-64081-R	No. 6-32	1 1/4	100
NS-64082-R	No. 6-32	1 1/2	100
NS-64083-R	No. 6-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
NS-64085-R	No. 8-32	1/4	100
NS-64086-R	No. 8-32	5/16	100
NS-64087-R	No. 8-32	3/8	100
NS-64088-R	No. 8-32	7/16	100
NS-64089-R	No. 8-32	1/2	100
NS-64090-R	No. 8-32	5/8	100
NS-64091-R	No. 8-32	3/4	100
NS-64092-R	No. 8-32	7/8	100
NS-64093-R	No. 8-32	1	100
NS-64094-R	No. 8-32	1 1/4	100
NS-64095-R	No. 8-32	1 1/2	100
NS-64096-R	No. 8-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
NS-64143-R	No. 10-24	5/16	100
NS-64101-R	No. 10-24	3/8	100
NS-64102-R	No. 10-24	7/16	100
NS-64103-R	No. 10-24	1/2	100
NS-64104-R	No. 10-24	5/8	100
NS-64105-R	No. 10-24	3/4	100
NS-64106-R	No. 10-24	7/8	100
NS-64107-R	No. 10-24	1	100
NS-64108-R	No. 10-24	1 1/4	100
NS-64109-R	No. 10-24	1 1/2	100
NS-64110-R	No. 10-24	2	100

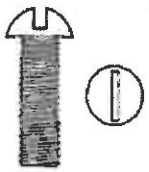
UNF Part No.	Dia. - TPI	Length (In.)	Unit
NS-64111-R	No. 10-32	5/16	100
NS-64112-R	No. 10-32	3/8	100
NS-64113-R	No. 10-32	7/16	100
NS-64114-R	No. 10-32	1/2	100
NS-64115-R	No. 10-32	5/8	100
NS-64116-R	No. 10-32	3/4	100
NS-64117-R	No. 10-32	7/8	100
NS-64118-R	No. 10-32	1	100
NS-64119-R	No. 10-32	1 1/4	100
NS-64120-R	No. 10-32	1 1/2	100
NS-64121-R	No. 10-32	2	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
NS-64122-R	1/4-20	3/8	100
NS-64123-R	1/4-20	1/2	100
NS-64124-R	1/4-20	5/8	100
NS-64125-R	1/4-20	3/4	100
NS-64126-R	1/4-20	7/8	100
NS-64127-R	1/4-20	1	100
NS-64128-R	1/4-20	1 1/4	100
NS-64129-R	1/4-20	1 1/2	100
NS-64130-R	1/4-20	2	100

NOTE: Part numbers prefixed with NS are sold through our Industrial Supply Division (ISD).

Stainless Steel (18-8) Machine Screws

Slotted Round Head



- UNC (USS) or UNF (SAE)

UNC Part No.	Dia. - TPI	Length (In.)	Unit
92430	No. 2-56	1/8	50
92432	No. 2-56	1/4	50
92434	No. 2-56	3/8	50
92435	No. 2-56	1/2	50
92436	No. 2-56	3/4	50
92438	No. 2-56	1	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
92439	No. 4-40	1/8	50
92600	No. 4-40	1/4	50
92601	No. 4-40	3/8	50
92602	No. 4-40	1/2	50
92603	No. 4-40	5/8	50
92604	No. 4-40	3/4	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
92604-1	No. 4-40	7/8	50
92605	No. 4-40	1	50
NS-92605	No. 4-40	1 1/4	50
C624698	No. 4-40	1 1/2	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
NS-92609	No. 6-32	5/16	50
92610	No. 6-32	1/4	50
92610-1	No. 6-32	5/16	50
92611	No. 6-32	3/8	50
92611-1	No. 6-32	7/16	50
92612	No. 6-32	1/2	50
92613	No. 6-32	5/8	50
92614	No. 6-32	3/4	50
92615	No. 6-32	7/8	50
92616	No. 6-32	1	50
92617	No. 6-32	1 1/4	50
92618	No. 6-32	1 1/2	50
92619	No. 6-32	1 3/4	50
NS-92619-1	No. 6-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
92620	No. 8-32	1/4	50
92620-1	No. 8-32	5/16	50
92621	No. 8-32	3/8	50
92621-1	No. 8-32	7/16	50
92622	No. 8-32	1/2	50
92623	No. 8-32	5/8	50
92624	No. 8-32	3/4	50
92624-1	No. 8-32	7/8	50
92625	No. 8-32	1	50
92626	No. 8-32	1 1/4	25
92627	No. 8-32	1 1/2	25
92628	No. 8-32	1 3/4	25
92629	No. 8-32	2	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
92634	No. 10-24	1/4	50
92635	No. 10-24	3/8	50
92636	No. 10-24	1/2	50
92637	No. 10-24	5/8	50
92638	No. 10-24	3/4	50
92638-1	No. 10-24	7/8	50
92639	No. 10-24	1	50
92640	No. 10-24	1 1/4	25
92641	No. 10-24	1 1/2	25
92642	No. 10-24	1 3/4	25
92643	No. 10-24	2	25

UNF Part No.	Dia. - TPI	Length (In.)	Unit
92654	No. 10-32	1/4	50
92654-1	No. 10-32	5/16	50
92655	No. 10-32	3/8	50
92655-1	No. 10-32	7/16	50
92656	No. 10-32	1/2	50
92657	No. 10-32	5/8	50
92658	No. 10-32	3/4	50
92658-1	No. 10-32	7/8	50
92659	No. 10-32	1	50
92660	No. 10-32	1 1/4	25
92661	No. 10-32	1 1/2	25
92662	No. 10-32	1 3/4	25
92663	No. 10-32	2	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC Part No.	Dia. - TPI	Length (In.)	Unit
92665	No. 12-24	¾	50
92666	No. 12-24	½	50
92667	No. 12-24	¾	50
92668	No. 12-24	1	50
92669	No. 12-24	1¼	50
92670	No. 12-24	1½	50
92672	No. 12-24	2	50

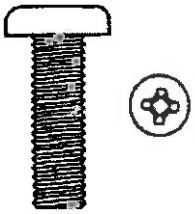
USC Part No.	Dia. - TPI	Length (In.)	Unit
92685	¼-20	⅜	25
92686	¼-20	½	25
92687	¼-20	⅝	25
92688	¼-20	¾	25
[illegible]	¼-20	⅞	25
[illegible]	¼-20	1	25
92690	¼-20	1¼	25
92691	¼-20	1½	25
[illegible]	¼-20	1¾	25
92693	¼-20	2	25
[illegible]	¼-20	2½	25
92695	¼-20	3	25
92696	¼-20	3½	25
92697	¼-20	4	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
92698	5/16-18	½	25
92698-1	5/16-18	¾	25
92698-2	5/16-18	1	25
[illegible]	5/16-18	1½	25
92698-4	5/16-18	1¾	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
[illegible]	⅜-16	½	10
[illegible]	⅜-16	1	10
[illegible]	⅜-16	1½	10

Stainless Steel (18-8) Machine Screws

Phillips Pan Head



- UNC (USS) or UNF (SAE)

UNC Part No.	Dia. - TPI	Length (In.)	Unit
[illegible]	No. 2-56	⅛	100
[illegible]	No. 2-56	3/16	100
[illegible]	No. 2-56	¼	100
[illegible]	No. 2-56	5/16	100
[illegible]	No. 2-56	⅜	100
[illegible]	No. 2-56	7/16	100
[illegible]	No. 2-56	½	100
[illegible]	No. 2-56	5/8	100
[illegible]	No. 2-56	¾	100
[illegible]	No. 2-56	⅞	100
[illegible]	No. 2-56	1	100

UNC Part No.	Dia. - TPI	Length (In.)	Unit
94650-4	No. 4-40	3/16	50
94651	No. 4-40	¼	50
94651-1	No. 4-40	5/16	50
94652	No. 4-40	⅜	50
94652-1	No. 4-40	7/16	50
94653	No. 4-40	½	50
94653-1	No. 4-40	5/8	50
94654	No. 4-40	¾	50
94654-1	No. 4-40	⅞	50
94655	No. 4-40	1	50
94655-1	No. 4-40	1¼	50
94655-2	No. 4-40	1½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
94656	No. 6-32	3/16	50
94657	No. 6-32	¼	50
94657-1	No. 6-32	5/16	50
94658	No. 6-32	⅜	50
94658-1	No. 6-32	7/16	50
94659	No. 6-32	½	50
94659-1	No. 6-32	5/8	50
94660	No. 6-32	¾	50
94660-1	No. 6-32	⅞	50
94661	No. 6-32	1	50
94661-1	No. 6-32	1¼	50
94662	No. 6-32	1½	50
94662-1	No. 6-32	1¾	50
94662-2	No. 6-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
94663	No. 8-32	¼	50
94663-1	No. 8-32	5/16	50
94664	No. 8-32	⅜	50
[illegible]	No. 8-32	7/16	50
94665	No. 8-32	½	50
[illegible]	No. 8-32	5/8	50
94665	No. 8-32	¾	50
94666-1	No. 8-32	⅞	50
94667	No. 8-32	1	50
94668	No. 8-32	1¼	25
94669	No. 8-32	1½	25
94670	No. 8-32	1¾	100
94671	No. 8-32	2	25
C38149	No. 8-32	2½	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
94672	No. 10-24	¼	50
[illegible]	No. 10-24	5/16	50
94673	No. 10-24	⅜	50
94673-1	No. 10-24	7/16	50
94674	No. 10-24	½	50
94674-1	No. 10-24	5/8	50
94675	No. 10-24	¾	50
94675-1	No. 10-24	⅞	50
94676	No. 10-24	1	50
94677	No. 10-24	1¼	25
94678	No. 10-24	1½	25
94679	No. 10-24	1¾	25
94680	No. 10-24	2	25
C38160	No. 10-24	2½	25
C38161	No. 10-24	3	25

UNF Part No.	Dia. - TPI	Length (In.)	Unit
94681	No. 10-32	¼	50
94681-1	No. 10-32	5/16	50
94682	No. 10-32	⅜	50
94682-1	No. 10-32	7/16	50

UNF Part No.	Dia. - TPI	Length (In.)	Unit
94683	No. 10-32	½	50
94683-1	No. 10-32	5/8	50
94684	No. 10-32	¾	50
94684-1	No. 10-32	⅞	50
94685	No. 10-32	1	50
94686	No. 10-32	1¼	25
94687	No. 10-32	1½	25
94688	No. 10-32	1¾	25
94689	No. 10-32	2	25
C29154	No. 10-32	2½	25
C29155	No. 10-32	3	25

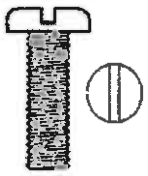
UNC Part No.	Dia. - TPI	Length (In.)	Unit
[illegible]	No. 12-24	⅜	50
94689-3	No. 12-24	½	50
[illegible]	No. 12-24	⅝	50
94689-5	No. 12-24	¾	50
94689-7	No. 12-24	1	50
94689-9	No. 12-24	1½	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
94690	¼-20	⅜	25
94691	¼-20	½	25
94691-1	¼-20	⅝	25
[illegible]	¼-20	¾	25
[illegible]	¼-20	1	25
[illegible]	¼-20	1¼	25
94695	¼-20	1½	25
94696	¼-20	1¾	25
94697	¼-20	2	25
[illegible]	¼-20	2¼	25
94698	¼-20	2½	25
94698-1	¼-20	3	25
94699	¼-20	3½	25
94699-1	¼-20	4	25

NOTE: Part numbers prefixed with NS are sold through our Industrial Supply Division (ISD).

Stainless Steel (18-8) Machine Screws

Slotted Pan Head



- UNC (USS) or UNF (SAE)

UNC Part No.	Dia. - TPI (In.)	Length (In.)	Unit
[illegible]	2-56	⅛	50
[illegible]	2-56	3/16	50
[illegible]	2-56	¼	50
[illegible]	2-56	5/16	50
[illegible]	2-56	⅜	50
[illegible]	2-56	½	50
[illegible]	2-56	1	50

UNC Part No.	Dia. - TPI (In.)	Length (In.)	Unit
[illegible]	4-40	⅛	50
[illegible]	4-40	3/16	50
92915	4-40	¼	50
[illegible]	4-40	5/16	50

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel

Continued from previous page

UNC Part No.	Dia. - TPI (in.)	Length (in.)	Unit
92917	4-40	3/16	50
NS-92918	4-40	1/4	50
92919	4-40	5/16	50
NS-92920	4-40	3/8	50
92921	4-40	1/2	50
92922	4-40	1	50
NS-92924	4-40	1 1/4	50
NS-92925	4-40	1 1/2	50

UNC Part No.	Dia. - TPI (in.)	Length (in.)	Unit
NS-92926	6-32	3/16	50
92927	6-32	1/4	50
92928	6-32	5/16	50
NS-92930	6-32	3/8	50
92931	6-32	1/2	50
NS-92932	6-32	5/8	50
92933	6-32	3/4	50
NS-92934	6-32	7/8	50
92935	6-32	1	50
NS-92936	6-32	1 1/4	50
92937	6-32	1 1/2	50
NS-92938	6-32	1 3/4	50
NS-92939	6-32	2	50

UNC Part No.	Dia. - TPI (in.)	Length (in.)	Unit
92941	8-32	1/4	50
NS-92942	8-32	5/16	50
92943	8-32	3/8	50
NS-92944	8-32	7/16	50
92945	8-32	1/2	50
NS-92946	8-32	5/8	50
92947	8-32	3/4	50
NS-92948	8-32	7/8	50
92949	8-32	1	50
92950	8-32	1 1/4	25
92951	8-32	1 1/2	25
92952	8-32	2	25

UNC Part No.	Dia. - TPI (in.)	Length (in.)	Unit
92956	10-24	1/4	50
92958	10-24	3/8	50
92959	10-24	1/2	50
NS-92961	10-24	5/8	50
92963	10-24	3/4	50
92964	10-24	1	50
92965	10-24	1 1/4	25
92966	10-24	1 1/2	25
92967	10-24	1 3/4	25
92968	10-24	2	25

UNF Part No.	Dia. - TPI (in.)	Length (in.)	Unit
92971	10-32	1/4	50
NS-92972	10-32	5/16	50
92973	10-32	3/8	50
92975	10-32	1/2	50
NS-92976	10-32	5/8	50
92977	10-32	3/4	50
NS-92978	10-32	7/8	50
92979	10-32	1	50
92980	10-32	1 1/4	25
92981	10-32	1 1/2	25

UNC Part No.	Dia. - TPI (in.)	Length (in.)	Unit
92986	12-24	3/8	50
92987	12-24	1/2	50
92988	12-24	3/4	50
92989	12-24	1	50

UNC Part No.	Dia. - TPI (in.)	Length (in.)	Unit
92996	1/4-20	3/8	25
NS-92997	1/4-20	7/16	25
92998	1/4-20	1/2	25
93000	1/4-20	3/4	25
93001	1/4-20	1	25
93003	1/4-20	1 1/4	25
93004	1/4-20	1 1/2	25
93005	1/4-20	1 3/4	25
93006	1/4-20	2	25
NS-93007	1/4-20	2 1/4	25
93008	1/4-20	2 1/2	25
NS-93009-2	1/4-20	4	25

NOTE: Part numbers prefixed with NS are sold through our Industrial Supply Division (ISD).

Stainless Steel (18-8) Machine Screws

Pan Head Square Drive



Part No.	Dia.	Lgth. (in.)	Unit
◆93207	6-32	1/2	100
◆93209	6-32	3/4	100
◆93210	6-32	1	100
◆93211	6-32	1 1/4	100
◆93217	8-32	3/4	100
◆93218	8-32	1	100
◆93219	8-32	1 1/4	100
◆93220	8-32	1 1/2	100
◆93285	10-24	1	100
◆93286	10-24	1 1/4	100
◆93289	10-24	2	100
◆93295	10-32	1	100
◆93296	10-32	1 1/4	100
◆93297	10-32	1 1/2	100

◆Part numbers available in Canada only.

Stainless Steel Phillips Truss Head



- 18-8 stainless steel

UNC Part No.	Dia. - Trd	Length (in.)	Unit
C625104	6 - 32	3/8	100
C625106	6 - 32	1/2	100
C625108	6 - 32	5/8	100
C625110	6 - 32	3/4	100
C625114	6 - 32	1	100
C625144	8 - 32	3/8	100

UNC Part No.	Dia. - Trd	Length (in.)	Unit
C625146	8 - 32	1/2	100
C625148	8 - 32	5/8	100
C625150	8 - 32	3/4	100
C625154	8 - 32	1	100
C625156	8 - 32	1 1/4	100
C625158	8 - 32	1 1/2	100
C625183	10 - 24	3/8	100
C625186	10 - 24	1/2	100
C625188	10 - 24	5/8	100
C625190	10 - 24	3/4	100
C625194	10 - 24	1	100
C625196	10 - 24	1 1/4	100
C625198	10 - 24	1 1/2	100
C625202	10 - 24	2	100

Stainless Steel (18-8) Machine Screws

Phillips Flat Head



- UNC (USS) or UNF (SAE)

UNC Part No.	Dia. - TPI	Length (in.)	Unit
93489	No. 2-56	1/8	100
94493	No. 2-56	3/16	100
94491	No. 2-56	1/4	100
94492	No. 2-56	5/16	100
94493	No. 2-56	3/8	100
94494	No. 2-56	1/2	100
94496	No. 2-56	5/8	100
94497	No. 2-56	3/4	100

UNC Part No.	Dia. - TPI	Length (in.)	Unit
94498	No. 4-40	1/8	100
94499	No. 4-40	3/16	100
94500	No. 4-40	1/4	100
94500-1	No. 4-40	5/16	100
94501	No. 4-40	3/8	100
94502	No. 4-40	1/2	100
94503	No. 4-40	5/8	100
94504	No. 4-40	3/4	100
94505	No. 4-40	7/8	100
94506	No. 4-40	1	100

UNC Part No.	Dia. - TPI	Length (in.)	Unit
94508	No. 6-32	3/16	100
94510	No. 6-32	1/4	100
94510-1	No. 6-32	5/16	100
94511	No. 6-32	3/8	100
94511-1	No. 6-32	7/16	100
94512	No. 6-32	1/2	100
94513	No. 6-32	5/8	100
94514	No. 6-32	3/4	100
94515	No. 6-32	7/8	100
94516	No. 6-32	1	100
94517	No. 6-32	1 1/4	100
94518	No. 6-32	1 1/2	100
94519	No. 6-32	2	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel (18-8) Machine Screws

Flat Countersunk Head Square Drive

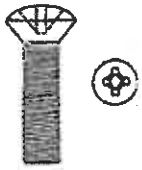


Part No.	Dia.	Lgth. (In.)	Unit
*[illegible]	6-32	½	100
*[illegible]	6-32	¾	100
*[illegible]	6-32	1	100
*[illegible]	8-32	¾	100
*[illegible]	8-32	1	100

*Part numbers available in Canada only.

Stainless Steel (18-8) Machine Screws

Phillips Oval Head



- UNC (USS) or UNF (SAE)

UNC Part No.	Dia. - TPI	Length (In.)	Unit
[illegible]	No. 6-32	¼	50
[illegible]	No. 6-32	⅜	50
[illegible]	No. 6-32	½	50
[illegible]	No. 6-32	¾	50
[illegible]	No. 6-32	1	50
[illegible]	No. 6-32	2	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
[illegible]	No. 8-32	¼	50
[illegible]	No. 8-32	⅜	50
94615	No. 8-32	½	50
[illegible]	No. 8-32	⅝	100
94616	No. 8-32	¾	50
[illegible]	No. 8-32	⅞	100
94617	No. 8-32	1	50
[illegible]	No. 8-32	1¼	25
[illegible]	No. 8-32	1½	25
[illegible]	No. 8-32	1¾	50
[illegible]	No. 8-32	2	50

UNC Part No.	Dia. - TPI	Length (In.)	Unit
[illegible]	No. 10-24	⅜	100
[illegible]	No. 10-24	⅜	50
[illegible]	No. 10-24	⅜	100
[illegible]	No. 10-24	½	50
[illegible]	No. 10-24	⅝	100
94625	No. 10-24	¾	50
[illegible]	No. 10-24	⅞	100
94626	No. 10-24	1	50
[illegible]	No. 10-24	1¼	25
[illegible]	No. 10-24	1½	25
[illegible]	No. 10-24	1¾	25
94629	No. 10-24	2	100

UNF Part No.	Dia. - TPI	Length (In.)	Unit
94632	No. 10-32	⅜	50
94633	No. 10-32	½	50
94634	No. 10-32	¾	50
94635	No. 10-32	1	50
94636	No. 10-32	1¼	25
94637	No. 10-32	1½	25
[illegible]	No. 10-32	1¾	25

UNC Part No.	Dia. - TPI	Length (In.)	Unit
[illegible]	¼-20	½	25
[illegible]	¼-20	⅝	100
[illegible]	¼-20	¾	25
[illegible]	¼-20	1	25
[illegible]	¼-20	1¼	25
[illegible]	¼-20	1½	25
[illegible]	¼-20	2	25

Stainless Steel (18-8) Machine Screws

Button Head TORX Tamper Resistant Screws



- TORX drive with pin for tamper resistance
- 18-8 stainless steel
- Use with security TORX drive bits

Part No.	Dia.	Length (In.)	Bit Size	Unit
MP76960	6-32	⅜	T-10	50
MP76961	6-32	½	T-10	50
MP76962	6-32	¾	T-10	50
MP76963	6-32	1	T-10	50

Part No.	Dia.	Length (In.)	Bit Size	Unit
[illegible]	8-32	½	T-15	50
MP76965	8-32	¾	T-15	50
MP76966	8-32	1	T-15	50

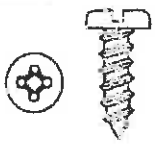
Part No.	Dia.	Length (In.)	Bit Size	Unit
MP76967	10-24	½	T-25	50
MP76968	10-24	¾	T-25	50
MP76969	10-24	1	T-25	50

Part No.	Dia.	Length (In.)	Bit Size	Unit
MP76970	10-32	½	T-25	50
MP76971	10-32	1	T-25	50

Sheet Metal Screws

Stainless Steel (18-8) Sheet Metal Screws

Phillips Pan Head



- 302 or 304 stainless steel
- Passivated

Part No.	Dia.	Length (In.)	Unit
94210	No. 4	¼	100
94211	No. 4	⅜	100
94212	No. 4	½	100
94213	No. 4	¾	100
94214	No. 4	1	100

Part No.	Dia.	Length (In.)	Unit
94215	No. 6	¼	100
94216	No. 6	⅜	100
94217	No. 6	½	100
94218	No. 6	⅝	100
94219	No. 6	¾	100
94221	No. 6	1	100
94222	No. 6	1¼	100
[illegible]	No. 6	1½	100

Part No.	Dia.	Length (In.)	Unit
[illegible]	No. 8	⅜	100
94237	No. 8	½	100
[illegible]	No. 8	⅝	100
[illegible]	No. 8	¾	100
[illegible]	No. 8	1	100
[illegible]	No. 8	1¼	100
94248	No. 8	1½	100
[illegible]	No. 8	1¾	100
94245	No. 8	2	100
[illegible]	No. 8	2½	50

Part No.	Dia.	Length (In.)	Unit
94248	No. 10	⅜	100
[illegible]	No. 10	½	100
94250	No. 10	⅝	100
94251	No. 10	¾	100
[illegible]	No. 10	1	100
[illegible]	No. 10	1¼	50
94255	No. 10	1½	50
94256	No. 10	1¾	100
94257	No. 10	2	100
[illegible]	No. 10	2½	25
[illegible]	No. 10	3	25

Part No.	Dia.	Length (In.)	Unit
94260	No. 12	½	100
[illegible]	No. 12	⅝	50
94261	No. 12	¾	100
[illegible]	No. 12	1	100
[illegible]	No. 12	1¼	50
94264	No. 12	1½	50
[illegible]	No. 12	1¾	25
94265	No. 12	2	100
[illegible]	No. 12	2½	25
[illegible]	No. 12	3	25

Part No.	Dia.	Length (In.)	Unit
94267	¼	½	100
94269	¼	⅝	100
[illegible]	¼	1	100
[illegible]	¼	1¼	50
94272	¼	1½	50
[illegible]	¼	1¾	25
94274	¼	2	50
[illegible]	¼	2½	25
[illegible]	¼	3	25

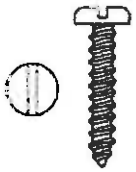
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel (18-8) Sheet Metal Screws

...otted Pan Head



- 302 or 304 stainless steel
- Passivated

Part No.	Dia.	Length (in.)	Unit
[illegible]	No. 6	¼	50
93216	No. 6	⅜	50
93217	No. 6	½	50
[illegible]	No. 6	¾	50
93221	No. 6	1	50
Part No.	**Dia.**	**Length (in.)**	**Unit**
93236	No. 8	⅜	50
[illegible]	No. 8	½	50
[illegible]	No. 8	⅝	50
[illegible]	No. 8	¾	50
93241	No. 8	1	50
[illegible]	No. 8	1½	50
Part No.	**Dia.**	**Length (in.)**	**Unit**
93249	No. 10	⅜	50
93250	No. 10	⅝	50
93251	No. 10	¾	50
93253	No. 10	1	50
93254	No. 10	1¼	25
93255	No. 10	1½	25
Part No.	**Dia.**	**Length (in.)**	**Unit**
93260	No. 12	½	50
[illegible]	No. 12	⅝	50
93261	No. 12	¾	50
93262	No. 12	1	50
93263	No. 12	1¼	25
93264	No. 12	1½	25
[illegible]	No. 12	2	25
Part No.	**Dia.**	**Length (in.)**	**Unit**
[illegible]	¼	½	50
93269	¼	¾	50
93270	¼	1	50
[illegible]	¼	1¼	25
[illegible]	¼	1½	25
[illegible]	¼	2	25

Stainless Steel (18-8) Sheet Metal Screws

Pan Head Square Drive - Canada Only



- Type A point

Part No.	Dia.	Length (in.)	Unit
[illegible]	No. 4	⅜	100
[illegible]	No. 4	½	100
Part No.	**Dia.**	**Length (in.)**	**Unit**
[illegible]	No. 6	¾	100
[illegible]	No. 6	½	100
[illegible]	No. 6	¾	100
[illegible]	No. 6	¾	100

Part No.	Dia.	Length (in.)	Unit
[illegible]	No. 6	1	100
[illegible]	No. 6	1¼	100
[illegible]	No. 6	1½	100
[illegible]	No. 6	2	100
Part No.	**Dia.**	**Length (in.)**	**Unit**
[illegible]	No. 8	⅜	100
[illegible]	No. 8	½	100
[illegible]	No. 8	⅝	100
[illegible]	No. 8	¾	100
[illegible]	No. 8	1	100
[illegible]	No. 8	1¼	100
[illegible]	No. 8	1½	100
[illegible]	No. 8	1¾	100
[illegible]	No. 8	2	100
Part No.	**Dia.**	**Length (in.)**	**Unit**
[illegible]	No. 10	½	100
[illegible]	No. 10	⅝	100
[illegible]	No. 10	¾	100
[illegible]	No. 10	1	100
[illegible]	No. 10	1¼	100
[illegible]	No. 10	1½	100
[illegible]	No. 10	2	100
[illegible]	No. 10	2½	100
[illegible]	No. 10	⅝	100
Part No.	**Dia.**	**Length (in.)**	**Unit**
[illegible]	No. 12	¾	100
[illegible]	No. 12	1	100
[illegible]	No. 12	1¼	100
[illegible]	No. 12	1½	100
[illegible]	No. 12	2	100
[illegible]	No. 12	2½	100
Part No.	**Dia.**	**Length (in.)**	**Unit**
[illegible]	¼	½	100
[illegible]	¼	¾	100
[illegible]	¼	1	100
[illegible]	¼	1¼	100
[illegible]	¼	1½	100
[illegible]	No. 14	2	100
[illegible]	No. 14	2½	100
[illegible]	No. 14	3	100

♦Part numbers available in Canada only.

Stainless Steel Phillips Truss Head Sheet Metal Screws



Truss head design for a safe finish covering up irregular holes. Stainless steel provides outstanding resistance to acid chemicals, rust and corrosion.

- 18-8 stainless steel

Part No.	Dia.	Length (mm).	Unit
[illegible]	No. 6	⅜	100
[illegible]	No. 6	½	100
[illegible]	No. 6	⅝	100
[illegible]	No. 6	¾	100
[illegible]	No. 6	1	100
[illegible]	No. 6	1¼	100
[illegible]	No. 8	⅜	100
[illegible]	No. 8	½	100
[illegible]	No. 8	⅝	100
[illegible]	No. 8	¾	100
[illegible]	No. 8	1	100
[illegible]	No. 8	1¼	100

Part No.	Dia.	Length (mm).	Unit
[illegible]	No. 8	1½	100
[illegible]	No. 10	⅜	100
[illegible]	No. 10	½	100
[illegible]	No. 10	⅝	100
[illegible]	No. 10	¾	100
[illegible]	No. 10	1	100
[illegible]	No. 10	1¼	100
[illegible]	No. 10	1½	100
[illegible]	No. 10	2	100
[illegible]	No. 12	½	100
[illegible]	No. 12	⅝	100
[illegible]	No. 12	¾	100
[illegible]	No. 12	1	100
[illegible]	No. 12	1¼	100
[illegible]	No. 12	1½	100
[illegible]	No. 12	2	100
[illegible]	¼	⅝	100
[illegible]	¼	1	100

Stainless Steel Square Drive Truss Head Sheet Metal Screws - ♦Canada Only

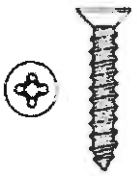


- 18-8 Stainless steel

Part No.	Dia.	Length (in.)	Unit
♦[illegible]	No. 6	½	100
♦[illegible]	No. 6	¾	100
♦[illegible]	No. 6	1	100
♦[illegible]	No. 8	½	100
♦[illegible]	No. 8	¾	100
♦[illegible]	No. 8	¾	100
♦[illegible]	No. 8	1	100
♦[illegible]	No. 10	¾	100
♦[illegible]	No. 10	½	100
♦[illegible]	No. 10	¾	100
♦[illegible]	No. 10	1	100
♦[illegible]	No. 10	1¼	100

Stainless Steel (18-8) Sheet Metal Screws

Phillips Flat Head



- 302 or 304 stainless steel
- Passivated

Part No.	Dia.	Length (in.)	Unit
[illegible]	No. 4	¼	100
[illegible]	No. 4	⅜	100
[illegible]	No. 4	½	100
[illegible]	No. 4	¾	100
[illegible]	No. 4	1	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel

Continued from previous page

Part No.	Dia.	Length (In.)	Unit
[illegible]	No. 6	¼	100
94306	No. 6	⅜	100
94307	No. 6	½	100
[illegible]	No. 6	⅝	100
94309	No. 6	¾	100
94310	No. 6	1	100
94311	No. 6	1¼	100
94312	No. 6	1½	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
94313	No. 8	⅜	100
94314	No. 8	½	100
94315	No. 8	⅝	100
94316	No. 8	¾	100
94317	No. 8	1	100
94318	No. 8	1¼	100
94319	No. 8	1½	100
94320	No. 8	1¾	100
94321	No. 8	2	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
[illegible]	No. 10	⅜	100
94323	No. 10	½	100
94324	No. 10	⅝	100
[illegible]	No. 10	¾	100
94326	No. 10	1	100
94327	No. 10	1¼	100
94328	No. 10	1½	100
94329	No. 10	1¾	100
94330	No. 10	2	100
C36959	No. 10	3	25
Part No.	**Dia.**	**Length (In.)**	**Unit**
94331	No. 12	1	100
C36958	No. 12	¾	25
94332	No. 12	1¼	100
94333	No. 12	1½	100
94334	No. 12	2	100
C36965	No. 12	3	25
Part No.	**Dia.**	**Length (In.)**	**Unit**
[illegible]	¼	¾	50
C36969	¼	1	25
[illegible]	¼	1¼	50
C36973	¼	1½	25
C36973	¼	2	25
C36975	¼	3	25

Stainless Steel (18-8) Sheet Metal Screws

Flat Countersunk Head Socket Drive Square Drive Flat Head - ✣Canada Only



Part No.	Dia.	Length (In.)	Unit
✣C60941	No. 4	½	100
✣C60942	No. 4	¾	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
✣C60943	No. 6	⅜	100
✣53131	No. 6	½	100
✣C60955	No. 6	⅝	100
✣53133	No. 6	¾	100
✣53135	No. 6	1	100
✣C60958	No. 6	1¼	100
✣C60959	No. 6	1½	100

Part No.	Dia.	Length (In.)	Unit
✣C60960	No. 8	⅜	100
✣53137	No. 8	½	100
✣C60962	No. 8	⅝	100
✣53139	No. 8	¾	100
✣53141	No. 8	1	100
✣53142	No. 8	1¼	100
✣53143	No. 8	1½	100
✣C60967	No. 8	1¾	100
✣C60968	No. 8	2	100
✣C60969	No. 8	2½	100
✣C60970	No. 8	3	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
✣53144	No. 10	½	100
✣C60972	No. 10	⅝	100
✣53145	No. 10	¾	100
✣53146	No. 10	1	100
✣53147	No. 10	1¼	100
✣53148	No. 10	1½	100
✣C60977	No. 10	1¾	100
✣53149	No. 10	2	100
✣C60978	No. 10	2½	100
✣C60979	No. 10	3	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
✣53147	No. 12	¾	100
✣53149	No. 12	1	100
✣53150	No. 12	1¼	100
✣53151	No. 12	1½	100
✣C60975	No. 12	1¾	100
✣53152	No. 12	2	100
✣C60977	No. 12	2½	100
✣C60978	No. 12	3	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
✣53171	¼	¾	100
✣53172	¼	1	100
✣53173	¼	1¼	100
✣53174	¼	1½	100
✣C60983	No. 14	1¾	100
✣C60984	No. 14	2	100
✣C60985	No. 14	2½	100
✣C60986	No. 14	3	100
✣C60987	No. 14	3½	100

✣Part numbers available in Canada only.

Stainless Steel (18-8) Sheet Metal Screws

Phillips Oval Head



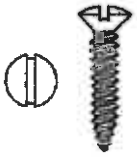
- 302 or 304 stainless steel
- Passivated

Part No.	Dia.	Length (In.)	Unit
[illegible]	No. 4	¼	100
[illegible]	No. 4	⅜	100
94312	No. 4	½	100
[illegible]	No. 4	¾	100
[illegible]	No. 4	1	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
[illegible]	No. 6	¼	100
[illegible]	No. 6	⅜	100
94317	No. 6	½	100

Part No.	Dia.	Length (In.)	Unit
94118	No. 6	⅝	100
[illegible]	No. 6	¾	100
[illegible]	No. 6	1	100
94122	No. 6	1¼	100
94123	No. 6	1½	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
[illegible]	No. 8	⅜	100
[illegible]	No. 8	½	100
94125	No. 8	⅝	100
[illegible]	No. 8	¾	100
[illegible]	No. 8	1	100
94142	No. 8	1¼	100
[illegible]	No. 8	1½	100
94144	No. 8	1¾	100
94145	No. 8	2	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
[illegible]	No. 10	⅜	100
[illegible]	No. 10	½	100
[illegible]	No. 10	⅝	100
94153	No. 10	¾	100
[illegible]	No. 10	1	100
94154	No. 10	1¼	100
[illegible]	No. 10	1½	100
94155-1	No. 10	1¾	100
[illegible]	No. 10	2	100
[illegible]	No. 10	2½	50
[illegible]	No. 10	3	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
C36982	No. 12	½	25
[illegible]	No. 12	¾	100
[illegible]	No. 12	1	100
94163	No. 12	1¼	100
[illegible]	No. 12	1½	100
[illegible]	No. 12	2	100
[illegible]	No. 12	2½	50
[illegible]	No. 12	3	50
Part No.	**Dia.**	**Length (In.)**	**Unit**
C36969	¼	¾	25
93170	¼	1	100
[illegible]	¼	1¼	25
[illegible]	¼	1½	100
[illegible]	¼	2	100

Stainless Steel (18-8) Sheet Metal Screws

Slotted Oval Head



- 302 or 304 stainless steel
- Passivated

Part No.	Dia.	Length (In.)	Unit
93119	No. 6	¾	100
93121	No. 6	1	100
Part No.	**Dia.**	**Length (In.)**	**Unit**
93137	No. 8	½	100
93139	No. 8	¾	100
93141	No. 8	1	100
93143	No. 8	1½	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page



- 410 Stainless Steel

Indented Hex Washer Head #2 Point

Part No.	Diameter	Length (In.)	Unit
KP350	No. 6	½	100
KP351	No. 6	⅝	100
KP352	No. 6	¾	100
KP353	No. 6	1	100
95570	No. 8	½	50
95571	No. 8	⅝	50
95572	No.8	¾	50
95573	No. 8	1	50
95574	No. 8	1¼	50
95575	No. 8	1½	50
95580	No. 10	½	50
KP362	No. 10	⅝	100
95581	No. 10	¾	50
95582	No. 10	1	50
95583	No. 10	1¼	50
95584	No. 10	1½	50
KP367	No. 10	2	50

Indented Hex Washer Head #3 Point

Part No.	Diameter	Length (In.)	Unit
95590	No. 12	¾	50
95591	No. 12	1"	50
95592	No. 12	1¼	50
95593	No. 12	1½	50
KP372	No. 12	2	25
95594	¼	¾	50
95595	¼	1"	50
95596	¼	1¼	50
95597	¼	1½	50
95598	¼	2"	50
95599	¼	2½	50

Hex Head Lag Screws

Stainless Steel (18-8) Hex Head Lag Screws



Part No.	Dia. (In.)	Length (In.)	Unit
64660	¼	1	50
64661	¼	1½	50
64662	¼	2	50
64663	¼	2½	50
64664	¼	3	50
64665	¼	3½	50
64669	5/16	1½	50
64670	5/16	2	50
C31841	5/16	2½	25
64671	5/16	3	50
C31843	5/16	3½	25
C31846	5/16	5	10
64676	⅜	1½	50
64677	⅜	2	50
C31850	⅜	2½	10
64678	⅜	3	50
C31852	⅜	3½	10
C31853	⅜	4	10
C645080	⅜	5	10
C645034	⅜	6	10
C31857	½	1½	10
KC31858	½	2	10
KC31859	½	2½	10
KC31860	½	3	10
KC31861	½	3½	10
C31862	½	4	5
C31864	½	5	5
C645118	½	6	5

Hex Nuts

316 Stainless Steel Hex Nuts



- UNC (USS) or UNF (SAE)
- Cold worked
- Passivated

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
30605	¼-20	30617	¼-28	100
KP30605	¼-20	"	¼-28	50
30606	5/16-18	30618	5/16-24	100
KP30606	5/16-18	"	5/16-24	50
30607	⅜-16	30619	⅜-24	100
KP30607	⅜-16	"	⅜-24	50
30608	7/16-14	"	7/16-20	50
KP30608	7/16-14	"	7/16-20	50
30609	½-13	30621	½-20	50
KP30609	½-13	"	½-20	50
30609-1	5/8-11	"	5/8-18	50
KP30609-1	5/8-11	"	5/8-18	25
30609-2	¾-10	"	¾-16	50
KP30609-2	¾-10	"	¾-16	25
30609-3	⅞-9	"	⅞-14	25
30609-4	1-8	"	1-12	25

* Item not available

316 Stainless Steel Heavy Hex Nuts



- UNC thread
- Passivated
- Nuts may be stamped 316 or 8M per ASTM A194 specification

UNC Part No.	Size (In.)	Unit
KP76127	¼-20	25
KP76128	5/16-18	25
KP76129	⅜-16	25
KP76129	½-13	25
KP76131	⅝-11	10
KP76132	¾-10	10

Stainless Steel (18-8) Hex Nuts



- UNC (USS) or UNF (SAE)
- Meets ANSI/ASME B18.6.3 dimensional specifications
- 304 or XM7 stainless steel
- Cold worked
- Passivated

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
KP77822	No. 2-56	*		50
93602	No. 4-40	*	No. 4-48	100
93603	No. 6-32	*	No. 6-40	100
93604	No. 8-32	*	No. 8-36	100
93605	No. 10-24	93607	No. 10-32	100
93605-2	No. 12-24	*	No. 12-32	100
93606	¼-20	93806	¼-28	100
KP93606	¼-20	*	¼-28	50
**KP1123	¼-20	*		50
93609	5/16-18	93809	5/16-24	100
KP93609	5/16-18	*	5/16-24	50
93611	⅜-16	93811	⅜-24	100
KP93611	⅜-16	*	⅜-24	50
93611-1	7/16-14	93812	7/16-20	100
KP93611-1	7/16-14	*	7/16-20	25
93613	½-13	93813	½-20	100
KP93613	½-13	*	½-20	25
93614	⅝-11	*	⅝-18	50
KP93614	⅝-11	*	⅝-18	25
93615	¾-10	*	¾-16	25
93616	⅞-9	*	⅞-14	25
KP93616	⅞-14	*	⅞-14	10
93617	1-8	*	1-14	25
KP93617	1-8	*	1-14	5

* Item not available

** Thin style for machine screws

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel (18-8) Heavy Hex Nuts



Note: With manufacturer's identification symbol

- UNC (USS)
- Meets ASTM A194 Grade 8 specifications
- 304 stainless steel
- 80,000 psi proof load
- Cold worked
- Passivated

Part No.	Size (in.)	Unit
93850	1/4-20	100
93851	5/16-18	100
93852	3/8-16	100
93853	7/16-14	50
93854	1/2-13	50
93855	5/8-11	50
93856	3/4-10	25
93857	7/8-9	10
93858	1-8	10
93859	1 1/4-7	10

Stainless Steel (18-8) Hex Jam Nuts



- UNC (USS)or UNF (SAE)
- Meets ANSI/ASME B18.2.2 specifications

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
93560	1/4-20	93658	1/4-28	100
93661	5/16-18	93659	5/16-24	100
93662	3/8-16	93659-1	3/8-24	100
93663	7/16-14	93660-1	7/16-20	50
93664	1/2-13	93660-2	1/2-20	50
93665	9/16-12	*	9/16-18	50
93666	5/8-11	93661-1	5/8-18	50
93667	3/4-10	93662-1	3/4-16	25
93668	7/8-9	*	7/8-14	25
93669	1-8	93663-1	1-14	25

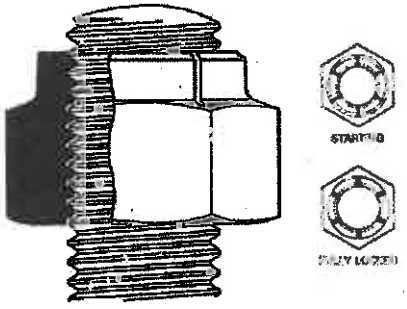
Stainless Steel FLEXLOC® Lock Nut All Metal Prevailing Torque



- UNC or UNF
- 304 Stainless Steel
- Maximum Temperature Limit 800° F
- Not recommended for reusability
- Can be used as a stop nut (not seated) or lock nut (seated)
- Light Hex, Full Height Style

UNC Part No.	Size (in.)	UNF Part No.	Size (in.)	Unit
440030	6-32	*		50
440031	8-32	*		50
440032	10-24	440039	10-32	50
440033	1/4-20	440040	1/4-28	25
440034	5/16-18	440041	5/16-24	25
440035	3/8-16	440042	3/8-24	10
440036	1/2-13	440043	1/2-20	10
440037	5/8-11	*		5
440038	3/4-10	*		5

How FLEXLOC® Works



Starting - A FLEXLOC locknut starts on the threaded member like any ordinary nut. Put it on with your fingers. Tighten it with a standard hand or speed wrench.
Beginning to lock - As the bolt enters the locking area, the slotted section is expanded and the nut starts to lock.
Fully locked as a stop nut - When 1-1/2 threads of a standard bolt are past the top of the nut, resiliency of the segmented section has fully locked the nut. It does not have to seat to lock.
Fully locked as a seated nut - The locking threads press inward against the bolt, lifting the nut upward and causing the remaining threads to bear against the lower surface of the bolt threads.
Vibration will not loosen an SPS® Locknut. (There is never any galling of threads.)

18-8 Stainless Steel Serrated Flange Lock Nuts



- Perfect for hi-tech, food processing, transportation, and chemical markets
- Free spinning
- Serrations provide superior holding power

UNC Part No.	Size (in.)	Flats (in.)	Flange Dia. (in.)	Height (in.)	Unit
KP716	8-32	11/32	15/32	13/64	50
KP737	10-24	3/8	1/2	7/32	50
KP718	1/4-20	7/16	19/32	17/64	50
KP720	5/16-18	1/2	11/16	9/32	50
KP722	3/8-16	9/16	3/4	11/32	25
KP724	7/16-13	3/4	1 1/32	25/64	10

316 Stainless Steel Nylon Insert Lock Nuts



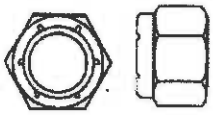
- UNC (USS) or UNF (SAE)
- Cold worked
- Passivated

UNC Part No.	Size (in.)	UNF Part No.	Size	Unit
30631	No. 6-32	*	No. 6-40	50
30632	No. 8-32	*	No. 8-36	50
30633	No. 10-24	30645	No. 10-32	50
30634	1/4-20	30646	1/4-28	50
30635	5/16-18	30647	5/16-24	50
30636	3/8-16	30648	3/8-24	50
30637	7/16-14	*	7/16-20	25
30638	1/2-13	30650	1/2-20	25
SPS30638	1/2-13	*	1/2-13	10
30639	5/8-11	*	5/8-18	25
SPS30639	5/8-11	*	5/8-11	10
30640	3/4-10	*	3/4-16	25
SPS30640		*	3/4-10	10

* Item not available

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel (18-8) Nylon Insert Lock Nuts



- UNC (USS) or UNF (SAE)
- 304 or XM7 stainless steel
- Cold worked
- Passivated

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
93618	No. 4-40	*	No. 4-48	100
93618-1	No. 6-32	*	No. 6-40	100
93622	No. 8-32	*	No. 8-36	100
93623	No. 10-24	93637	No. 10-32	100
C36853	No. 12-24	*		50
93624	¼-20	93619	¼-28	100
MP93624	¼-20	*	¼-28	25
93625	5/16-18	93638	5/16-24	100
MP93625	5/16-18	*	5/16-24	25
93626	3/8-16	93621	3/8-24	100
MP93626	3/8-24	*	3/8-24	10
93627	7/16-14	93631	7/16-20	50
MP93627	7/16-20	MP93631	7/16-20	10
93628	½-13	93632	½-20	50
MP93628	½-20	MP93632	½-20	10
93629	9/16-11	*	9/16-18	25
MP93629	9/16-18	*	9/16-18	10
93630	¾-10	*	¾-16	10
KP76511	⅞-9	*		10
KP76512	1-8	*		10

* Item not available

Stainless Steel (18-8) K-Lock Nuts External Tooth Lock Washer Type



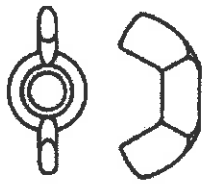
- UNC (USS) or UNF (SAE)
- Type 304 or XM7 stainless steel K-Lock nut
- Type 410 or 420 stainless steel lock washer
- Cold worked
- Passivated

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
31600	No. 4-40	*	No. 4-48	100
31601	No. 6-32	*	No. 6-40	100
31602	No. 8-32	*	No. 8-36	100
31603	No. 10-24	31604	No. 10-32	100
31605	¼-20	*	¼-28	100
31606	5/16-18	*	5/16-24	100
31607	3/8-16	*	3/8-24	100

* Item not available

Wing Nuts

Stainless Steel (18-8) Wing Nuts



- UNC (USS) or UNF (SAE)
- Meets ANSI/ASME B18.17 dimensional specifications
- Passivated

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
C36856	6-32	*		50
C36857	8-32	*		50
C36858	10-24	C36865	10-32	50
93640	¼-20	93650	¼-28	25
93641	5/16-18	*	5/16-24	25
93642	3/8-16	*	3/8-24	25
93644	½-13	*	1¼ x ¾	10

* Item not available

Cap Nuts

Stainless Steel (18-8) Cap Nuts

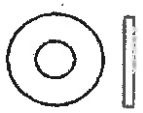


- 304 stainless steel
- Passivated

Part No.	Size (In.)	Unit
MP93869	4-40	50
30864	6-32	100
30861	8-32	100
30862	10-32	100
30863	10-24	100
30864	¼-20	100
MP30864	¼-20	50
30865	5/16-18	100
MP30865	5/16-18	50
30866	3/8-16	100
MP30866	3/8-16	25
30867	½-13	50

Flat Washers

316 Stainless Steel Flat Washers Narrow (SAE)



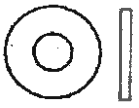
- Meets ANSI/ASME B18.22.1 specifications
- Cold worked
- Passivated

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thick. (In.)	Unit
30705	No. 4	.125	.312	.040	100
30706	No. 6	.156	.375	.065	100
30707	No. 8	.188	.438	.065	100
30708	No. 10	.219	.500	.065	100
30709	No. 12	.250	.562	.080	100
30710	¼	.281	.625	.068	100
C24656	¼	.281	.625	.080	50
30711	5/16	.344	.688	.086	100
C24657	5/16	.344	.688	.086	50
30712	⅜	.406	.812	.100	100
C24658	⅜	.406	.812	.100	25
30712-1	7/16	.469	.922	.101	100
C24659	7/16	.469	.922	.101	25
30713	½	.531	1.062	.118	100
C24660	½	.531	1.062	.182	10
30714	9/16	.656	1.312	.121	50
30714-T	9/16	.656	1.312	.182	10
30715	¾	.812	1.469	.160	50
30715-T	¾	.812	1.469	.182	10
30716	⅞	.935	1.750	.192	25
30717	1	1.062	2.000	.192	25

Dimensional Tolerances

Part No.	Inside Dia. Plus	Inside Dia. Minus	Outside Dia. Plus	Outside Dia. Minus	Thickness Min	Thickness Max
30705	0.008	0.005	0.030	0.005	0.025	0.040
30706	0.008	0.005	0.015	0.005	0.036	0.065
30707	0.008	0.005	0.015	0.005	0.036	0.065
30708	0.008	0.005	0.015	0.005	0.036	0.065
30709	0.008	0.005	0.015	0.005	0.051	0.080
30710	0.015	0.005	0.015	0.005	0.051	0.080
C24656	0.015	0.005	0.015	0.005	0.064	0.104
30711	0.015	0.005	0.015	0.005	0.051	0.080
C24657	0.015	0.005	0.015	0.005	0.064	0.104
30712	0.015	0.005	0.015	0.007	0.051	0.080
C24658	0.015	0.005	0.015	0.007	0.051	0.080
30712-1	0.015	0.005	0.015	0.007	0.051	0.080
C24659	0.015	0.005	0.015	0.007	0.051	0.080
30713	0.015	0.005	0.030	0.007	0.074	0.121
C24660	0.015	0.005	0.030	0.007	0.153	0.213
30714	0.030	0.007	0.030	0.007	0.074	0.121
30714-T	0.030	0.007	0.030	0.007	0.153	0.213
30715	0.030	0.007	0.030	0.007	0.108	0.160
30715-T	0.030	0.007	0.030	0.007	0.153	0.213
30716	0.030	0.007	0.030	0.007	0.136	0.192
30717	0.030	0.007	0.030	0.007	0.136	0.192

316 Stainless Steel Flat Washers Wide (USS)



- Meets ANSI/ASME B18.22.1 dimensional specifications
- Cold worked
- Passivated

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thick. (In.)	Unit
30800	¼	.312	.734	.055	100
30801	5/16	.375	.875	.083	100
30802	⅜	.391	1.000	.033	100
30803	7/16	.500	1.250	.083	100
30804	½	.563	1.250	.109	100
30805	⅝	.688	1.500	.134	50

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

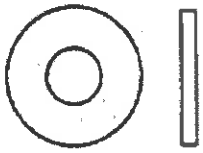
Continued from previous page

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thick. (In.)	Unit
[illegible]	⅜	.688	1.500	.134	10
[illegible]	¼	.812	1.875	.148	50
[illegible]	⅜	.812	1.875	.148	10
[illegible]	⅛	.937	2.250	.165	25
[illegible]	1	1.062	2.500	.165	25

Dimensional Tolerances

	Inside Dia.		Outside Dia.		Thickness	
Part No.	Plus	Minus	Plus	Minus	Min	Max
30800	0.015	0.005	0.015	0.007	0.051	0.080
30801	0.015	0.005	0.030	0.007	0.064	0.104
30802	0.015	0.005	0.030	0.007	0.064	0.104
30803	0.015	0.005	0.030	0.007	0.064	0.104
30804	0.015	0.005	0.030	0.007	0.086	0.132
30805	0.030	0.007	0.030	0.007	0.108	0.160
[illegible]	0.030	0.007	0.007	0.030	0.108	0.160
30806	0.030	0.007	0.030	0.007	0.122	0.177
[illegible]	0.030	0.007	0.007	0.030	0.122	0.177
30807	0.030	0.007	0.030	0.007	0.136	0.192
30808	0.030	0.007	0.030	0.007	0.136	0.192

Stainless Steel (18-8) Flat Washers
Narrow (SAE)



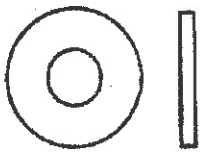
- Meets ANSI/ASME B 18.22.1 dimensional specifications
- 304 stainless steel
- Cold worked
- Passivated

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Thick. (In.)	Unit
NP77670	No. 2	.094	.188	.025	100
93760	No. 4	.125	.312	.032	100
93761	No. 6	.156	.375	.049	100
93762	No. 8	.188	.375	.049	100
93763	No. 10	.219	.445	.049	100
93764	No. 12	.257	.568	.065	100
93765	¼	.281	.625	.065	100
93766	5/16	.344	.688	.065	100
93767	⅜	.406	.812	.065	100
93767-1	7/16	.469	.922	.065	100
[illegible]	7/16	.469	.922	.065	50
93769	½	.531	1.062	.095	100
[illegible]	½	.531	1.062	.095	50
93770	5/8	.656	1.312	.095	50
93771	¾	.812	1.469	.134	25
93771-7/8	⅞	.938	1.750	.134	25
93771-1	1	1.062	2.000	.134	25

Dimensional Tolerances

	Inside Dia.		Outside Dia.		Thickness	
Part No.	Plus	Minus	Plus	Minus	Min	Max
NP77670	0.000	0.005	0.000	0.005	0.022	0.028
93760	0.008	0.005	0.008	0.005	0.025	0.040
93761	0.008	0.005	0.015	0.005	0.036	0.065
93762	0.008	0.005	0.015	0.005	0.036	0.065
93763	0.008	0.005	0.015	0.005	0.036	0.065
93764	0.008	0.005	0.015	0.005	0.051	0.080
93765	0.015	0.005	0.015	0.005	0.051	0.080
93766	0.015	0.005	0.015	0.005	0.051	0.080
93767	0.015	0.005	0.015	0.005	0.051	0.080
93767-1	0.015	0.005	0.015	0.005	0.051	0.080
[illegible]	0.015	0.005	0.015	0.005	0.051	0.080
93769	0.015	0.005	0.030	0.007	0.074	0.121
[illegible]	0.015	0.007	0.030	0.007	0.074	0.121
93770	0.030	0.007	0.030	0.007	0.074	0.121
93771	0.030	0.007	0.030	0.007	0.108	0.160
93771-7/8	0.030	0.007	0.030	0.007	0.108	0.160
93771-1	0.030	0.007	0.030	0.007	0.108	0.160

Stainless Steel (18-8) Flat Washers
Wide (USS)



- Meets ANSI/ASME B 18.22.1 dimensional specifications
- 304 stainless steel
- Cold worked
- Passivated

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Thick. (In.)	Unit
NP77824	No. 2	.094	.250	.032	100
NP85942	No. 3	.109	.312	.032	100
NP77825	No. 4	.125	.375	.041	100
NP71855	No. 6	.156	.438	.041	100
NP71856	No. 8	.188	.50	.041	100
NP71857	No. 10	.203	.562	.041	100
93700	¼	.312	.734	.065	100
93701	5/16	.375	.875	.088	100
93702	⅜	.438	1.000	.083	100
93703	7/16	.500	1.250	.033	100
93704	½	.562	1.375	.109	100
93705	9/16	.688	1.750	.134	50
93706	¾	.812	2.000	.148	50
93707	⅞	.938	2.250	.165	25
93708	1	1.062	2.500	.165	25

Dimensional Tolerances

	Inside Dia.		Outside Dia.		Thickness	
Part No.	Plus	Minus	Plus	Minus	Min	Max
NP77824	0.030	0.005	0.060	0.005	0.028	0.036
NP85942	0.000	0.005	0.060	0.005	0.08	0.036
NP77825	0.008	0.005	0.008	0.005	0.036	0.045
NP71855	0.008	0.005	0.008	0.005	0.036	0.045
NP71856	0.008	0.005	0.008	0.005	0.036	0.045
NP71857	0.008	0.005	0.008	0.005	0.036	0.045
93700	0.015	0.005	0.015	0.007	0.051	0.080
93701	0.015	0.005	0.030	0.007	0.064	0.104
93702	0.015	0.005	0.030	0.007	0.064	0.104
93703	0.015	0.005	0.030	0.007	0.064	0.104
93704	0.015	0.005	0.030	0.007	0.086	0.160
93705	0.030	0.007	0.030	0.007	0.108	0.160
93706	0.030	0.007	0.030	0.007	0.122	0.177
93707	0.030	0.007	0.030	0.007	0.095	0.115
93708	0.030	0.007	0.030	0.007	0.115	0.135

Stainless Steel (18-8) Flat Washers



- Meets AN960 (Air-Force-Navy Aeronautical Standard) material and dimensional specifications
- 304 stainless steel
- Passivated

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
93750	¼	.265	.500	.063	100
93751	5/16	.328	.562	.063	100
93752	⅜	.390	.625	.063	100
93753	7/16	.453	.750	.063	50
93754	½	.515	.875	.063	50
93755	9/16	.578	1.062	.063	50
93756	⅝	.640	1.188	.063	25
93757	¾	.765	1.312	.090	25
93758	⅞	.890	1.500	.090	10
93759	1	1.015	1.750	.090	10

Stainless Steel (18-8) Fender Washers *or specify (316) when ordering*



- 18-8 stainless steel

Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
31800	#10	13/64	1	.056-.066	100
31801	¼	9/32	1	.056-.066	100
31802	⅜	9/32	1¼	.056-.066	100
31803	½	9/32	1½	.056-.066	100
31804	5/16	11/32	1¼	.0625	50
31805	5/16	11/32	1½	.056-.066	50
31806	⅝	25/64	1½	.056-.066	50
31807	½	9/16	2	.068-.078	50

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

18-8 Stainless Steel Finishing Washers



- Use with flat or oval head screw for a finished bearing surface

Part No.	Size	Unit
*KP1432	No. 4	250
KP1433	No. 6	250
KP1434	No. 8	250
KP1435	No. 10	200
KP1436	No. 12	150
KP1437	No. 14	150
*KP1438	5/16	50
*KP1439	3/8	25

Lock Washers

316 Stainless Steel Lock Washers



- Meets ASME B18.21.1 specifications
- Cold worked

Part No.	Bolt Size (In.)	Unit
30720	1/4	100
30721	5/16	100
30722	3/8	100
30722-1	3/8	100
MP30722-1	3/8	50
30723	1/2	100
MP30723	1/2	50
30724	5/8	50
30725	3/4	25
30726	7/8	25
30727	1	25

Stainless Steel (18-8) Lock Washers



- 304 stainless steel
- Cold worked
- Passivated
- Non-linking type

Part No.	Bolt Size	Unit
KP77826	No. 2	100
93772	No. 4	200
93773	No. 6	200
93774	No. 8	200
93775	No. 10	100
93776	No. 12	100
93777	1/4	100
93778	5/16	100
93779	3/8	100
93779-1	3/16	100
MP93779-1	3/16	50
93781	1/2	100
MP93781	1/2	50
93782	5/8	50
93783	3/4	25
93784	7/8	25
93785	1	25

18-8 Stainless Steel High Collar Lock Washers



- Designed for use with socket head cap screws
- Meets ANSI/ASME B18.21.1 specification

Part No.	Size	Unit
KP935	No. 6	100
KP936	No. 8	100
KP937	No. 10	100
KP938	1/4	100
KP939	5/16	100
KP940	3/8	50
KP941	1/2	50

Stainless Steel Lock Washers

- 410 stainless steel
- Cold worked
- Passivated
- Vibration resistant



External Tooth Lock Washers

Part No.	Bolt Size	Unit
KP86829	No. 4	100
93902	No. 6	100
93903	No. 8	100
93904	No. 10	100
93905	No. 12	100
93906	1/4	100
93907	5/16	100
93908	3/8	100
93909	7/16	100
93910	1/2	100
93912	5/8	50
93913	3/4	50



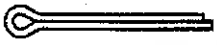
Internal Tooth Lock Washers

Part No.	Bolt Size	Unit
KP34815	No. 4	100
93822	No. 6	100
93823	No. 8	100
93824	No. 10	100
93825	No. 12	100
93826	1/4	100
93827	5/16	100
93828	3/8	100
93829	7/16	100
93830	1/2	100
93832	5/8	50
93833	3/4	50

Cotter Pins

316 Stainless Steel Cotter Pins

Extended Prong Type



Part No.	Dia. (In.)	Length (In.)	Unit
*53660	1/16	1 1/2	100
Part No.	Dia. (In.)	Length (In.)	Unit
*53691	3/32	1	100
*53692	3/32	2	100
Part No.	Dia. (In.)	Length (In.)	Unit
*53605	1/16	1	100
*53606	1/16	2	100
*53607	1/16	3	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

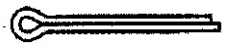
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. (In.)	Length (In.)	Unit
+53609	3/32	2	50
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
+53611	3/16	2	50
+53612	3/16	3	50
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
+53613	1/4	2	50
+53614	1/4	3	50
+53615	1/4	4	50
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
+53616	5/16	3	50

+Part numbers available in Canada only.

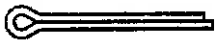
Stainless Steel (18-8) Cotter Pins
Extended Prong Type



- Meets ANSI/ASME B18.8.1 specifications
- 302 stainless steel

Part No.	Dia. (In.)	Length (In.)	Unit
92208	1/16	1/2	100
92209	1/16	3/4	100
92210	1/16	1	100
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
92215	3/32	1/2	100
92216	3/32	3/4	100
92217	3/32	1	100
92218	3/32	1 1/4	100
92219	3/32	1 1/2	100
92221	3/32	2	100
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
CP3035	1/8	1/2	50
92228	1/8	3/4	50
92229	1/8	1	50
92230	1/8	1 1/4	50
92231	1/8	1 1/2	50
92232	1/8	1 3/4	50
92233	1/8	2	50
92234	1/8	2 1/2	50
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
92237	5/32	1	50
92238	5/32	1 1/4	50
92239	5/32	1 1/2	50
92240	5/32	1 3/4	50
92241	5/32	2	50
92242	5/32	2 1/2	50
92244	5/32	3	50
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
CP0249	3/16	1	10
92248	3/16	1 1/2	50
92250	3/16	2	50
92252	3/16	2 1/2	50
92258	3/16	3	50
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
92255	1/4	1 1/4	50
92256	1/4	1 1/2	50

Stainless Steel (18-8) Cotter Pins



Part No.	Dia. (In.)	Length (In.)	Unit
+CD550524	1/4	2	100
+92258	1/4	3	50

+Canada only

Dowel Pins

Stainless Steel (18-8) Dowel Pins



- 303 stainless steel
- Cold worked
- Precision ground
- Chamfered both ends

Part No.	Dia. (In.)	Length (In.)	Unit
92258-2	1/16	1/4	50
92258-3	1/16	3/8	50
92258-4	1/16	1/2	50
92258-5	1/16	5/8	50
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
92260-1	3/32	1/4	50
92260-2	3/32	3/8	50
92260-3	3/32	1/2	50
92260-4	3/32	5/8	50
92260-5	3/32	3/4	50
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
92262	1/8	1/4	50
92265	1/8	3/8	25
MP92263	1/8	3/8	10
92263	1/8	1/2	25
MP92263	1/8	1/2	10
92265	1/8	3/4	25
MP92265	1/8	3/4	10
92265	1/8	1	25
MP92266	1/8	1	10
92267	1/8	1 1/2	25
MP92267	1/8	1 1/2	10
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
92268	5/16	5/8	25
92269	5/16	1/2	25
MP92269	5/16	1/2	10
92270	5/16	3/4	25
MP92270	5/16	3/4	10
92271	5/16	1	25
MP92271	5/16	1	10
92272	5/16	1 1/2	25
MP92272	5/16	1 1/2	10
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
92274	1/4	1/2	25
MP92274	1/4	1/2	10
92275	1/4	5/8	25
92276	1/4	3/4	25
MP92276	1/4	3/4	10
92277	1/4	1	25
MP92277	1/4	1	10
92278	1/4	1 1/4	25
MP92278	1/4	1 1/4	10
92279	1/4	1 1/2	25
MP92279	1/4	1 1/2	10

Part No.	Dia. (In.)	Length (In.)	Unit
92280	1/4	1 3/4	25
92281	1/4	2	25
MP92281	1/4	2	10
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
92283	5/16	3/4	25
92284	5/16	1	25
MP92284	5/16	1	10
92285	5/16	1 1/4	25
92286	5/16	1 1/2	25
MP92286	5/16	1 1/2	10
Part No.	**Dia. (In.)**	**Length (In.)**	**Unit**
92288	3/8	3/4	25
92289	3/8	1	25
MP92289	3/8	1	10
92290	3/8	1 1/4	25
92291	3/8	1 1/2	25
MP92291	3/8	1 1/2	10
92292	3/8	2	25
MP92292	3/8	2	10

Threaded Rod

316 Stainless Steel Threaded Rod Stock



- UNC (USS)
- End painted yellow

Part No.	Length (In.)	Dia. (In.)	TPI	Unit
30660	36	1/4	20	1
30661	36	5/16	18	1
30662	36	3/8	16	1
30663	36	7/16	14	1
30664	36	1/2	13	1
30665	36	5/8	11	1
30666	36	3/4	10	1
30667	36	7/8	9	1
30668	36	1	8	1
Part No.	**Length (In.)**	**Dia. (In.)**	**TPI**	**Unit**
30670	72	1/4	20	1
30671	72	5/16	18	1
30672	72	3/8	16	1
30673	72	7/16	14	1
30674	72	1/2	13	1
30675	72	5/8	11	1
30676	72	3/4	10	1
30677	72	7/8	9	1
30678	72	1	8	1

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Stainless Steel (18-8) Threaded Rod Stock



- UNC (USS)
- 302 or 304 stainless steel
- Cold worked
- Passivated
- End painted blue

Part No.	Length (in.)	Dia. (in.)	TPI	Unit
KP74676	36	No. 8	32	1
KP74677	36	No. 10	24	1
93550	36	¼	20	1
93551	36	5/16	18	1
93552	36	⅜	16	1
93553	36	7/16	14	1
93554	36	½	13	1
93555	36	5/8	11	1
93556	36	⅝	10	1
93557	36	¾	9	1
93558	36	1	8	1

Part No.	Length (in.)	Dia. (in.)	TPI	Unit
93560	72	¼	20	1
93561	72	5/16	18	1
93562	72	⅜	16	1
93563	72	7/16	14	1
93564	72	½	13	1
93565	72	5/8	11	1
93566	72	⅝	10	1
93567	72	¾	9	1
93568	72	1	8	1

Coupling Nuts

Stainless Steel (18-8) Threaded Rod Couplers



- UNC (USS)
- 303, 304 or XM7 stainless steel
- Passivated

Part No.	Dia. (in.)	TPI	Unit
KP1369	No. 10	24	5
93570	¼	20	5
93571	5/16	18	5
93572	⅜	16	5
93573	7/16	14	2
93574	½	13	2
93575	5/8	11	2
93576	¾	10	1
93577	⅞	9	1
93578	1	8	1

18-8 Stainless Steel Square Key Stock



- 12" length
- Tolerances:
  1/8 to 7/16 +.038 - .002
  1/2 to 3/4 +.003 - .004

Part No.	Size	Unit
KP1909	1/8	1
KP1910	3/16	1
KP1911	¼	1
KP1912	5/16	1
KP1913	⅜	1
KP1914	7/16	1
KP1915	½	1
KP1916	5/8	1
KP1917	¾	1

Nylon Cap Screws

Nylon Hex Head Cap Screws



- UNC(USS)
- Type 6/6 general-purpose white nylon
- Meets MIL-M20693B "A" Type 1, LP410A and ASTM D789-66 Type 1, GDE2
- Molded thread approximate UNC/UNF 2A
- Tough and lightweight
- Corrosion resistant
- Good electrical insulators
- Environment may affect moisture content of nylon

Part No.	Dia.-TPI (in.)	Length (in.)	Installation Torque (Lbs.)	Unit
37100	¼-20	½	15-16 in.	100
37101	¼-20	¾	15-16 in.	100
37102	¼-20	1	15-16 in.	100
37103	¼-20	1¼	15-16 in.	100
37104	¼-20	1½	15-16 in.	100
37105	¼-20	2	15-16 in.	100

Part No.	Dia.-TPI (in.)	Length (in.)	Installation Torque (Lbs.)	Unit
37106	5/16-18	½	32-34 in.	100
37107	5/16-18	¾	32-34 in.	100
37108	5/16-18	1	32-34 in.	100
37109	5/16-18	1¼	32-34 in.	100
37110	5/16-18	1½	32-34 in.	100
37111	5/16-18	2	32-34 in	100

Part No.	Dia.-TPI (in.)	Length (in.)	Installation Torque (Lbs.)	Unit
37112	⅜-16	½	45-46 in.	100
37113	⅜-16	¾	45-46 in.	100
37114	⅜-16	1	45-46 in.	100
37115	⅜-16	1¼	45-46 in.	100
37116	⅜-16	1½	45-46 in.	100
37117	⅜-16	2	45-46 in.	100
37118	½-13	1	7-8 ft.	50
37119	½-13	1½	7-8 ft.	50
37120	½-13	2	7-8 ft.	50

Remember that you can always call our Customer Service Department when you need a sample.

And if you're not sure of exactly what type of fastener you need, rest assured that one call to our Customer Service Department can get you the answer you are looking for!

We're here to serve you so feel free to call us with any questions you may have.

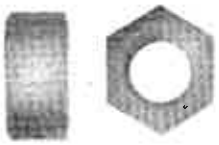
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Nylon Hex Nuts

Nylon Hex Nuts



- UNC (USS)
- Type 6/6 general-purpose white nylon
- Meets MIL-M20693B "A" Type 1, LP410A and ASTM D789-66 Type 1, GDE2
- Molded thread approximate UNC/UNF-2B
- Tough and lightweight
- Corrosion resistant
- Good electrical insulators
- Environment may effect moisture content of nylon

Part No.	Size (In.)	Installation Torque (Lbs.)	Unit
37125	¼-20	17 in.	100
37126	5/16-18	42 in.	100
37127	⅜-16	72 in.	100
37128	½-13	13 ft.	100

Nylon Washers

Nylon Flat Washers



- Type 6/6 general-purpose white nylon
- Meets MIL-M20693B "A" Type 1, LP410A and ASTM D789-66 Type 1, GDE2
- Tough and lightweight
- Corrosion resistant
- Good electrical insulators
- Environment may effect moisture content of nylon

Part No.	Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
37129	¼	.257	.500	.062	100
+CD552944	¼	.317	.750		50
37131	5/16	.317	.500	.062	100
+CD552950	5/16	.380	.625		50
+CD552999	5/16	.343	.875		50
37132	⅜	.380	.625	.062	100
+CD553000	⅜	.406	1.0		50
37133	½	.505	.750	.062	100

+Canada Only

Silicon Bronze Cap Screws

Silicon Bronze Hex Head Cap Screws



- UNC (USS)
- Meets ANSI/ASME B18.2.1 dimensional specifications
- Alloy 651
- 70,000 psi minimum tensile strength
- Corrosion resistant
- Non-magnetic

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
30730	¼-20	½	25
30731	¼-20	¾	25
30732	¼-20	1	25
30733	¼-20	1¼	25
30734	¼-20	1½	25
30735	¼-20	1¾	25
30736	¼-20	2	25
30737	¼-20	2½	25
30738	¼-20	3	25
30739	5/16-18	½	25
30740	5/16-18	¾	25
30741	5/16-18	1	25
30742	5/16-18	1¼	25
30743	5/16-18	1½	25
30744	5/16-18	1¾	25
30745	5/16-18	2	10
30746	5/16-18	2½	10
30747	5/16-18	3	10
30748	⅜-16	½	25
30749	⅜-16	¾	25
30750	⅜-16	1	25
30751	⅜-16	1¼	25
30752	⅜-16	1½	25
30753	⅜-16	1¾	25
30754	⅜-16	2	10
30755	⅜-16	2½	10
30756	⅜-16	3	10
30757	½-13	¾	10
30758	½-13	1	10
30759	½-13	1¼	10
30760	½-13	1½	10
30761	½-13	1¾	10
30762	½-13	2	10
30762-1	½-13	2¼	10
30763	½-13	2½	10
30764	½-13	3	10
30780	5/16-11	1	10
30781	5/16-11	1¼	10
30782	5/16-11	1½	10
30783	5/16-11	1¾	10
30784	5/16-11	2	10
30785	5/16-11	2½	10
30786	5/16-11	2¾	10
30787	5/16-11	3	10

Silicon Bronze Hex Nuts

Silicon Bronze Hex Nuts



- UNC (USS)
- Meets ANSI/ASME B18.2.2 dimensional specifications
- Alloy 651
- 70,000 psi proof load
- Corrosion resistant
- Non-magnetic

Part No.	Size (In.)	Unit
30765	¼-20	25
30766	5/16-18	25
30767	⅜-16	25
30768	½-13	10
30769	5/8-11	10

Silicon Bronze Washers

Silicon Bronze Flat Washers Narrow (SAE)



- Meets ANSI/ASME B18.22.1 dimensional specifications
- Alloy 651 or 655
- Corrosion resistant
- Non-magnetic

Part No.	Size (In.)	Unit
30775	¼	25
30776	5/16	25
30777	⅜	25
30778	½	10
30779	5/8	10

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Non-Ferrous Fasteners

Silicon Bronze Helical Spring Lock Washers, Regular

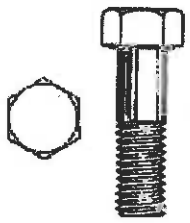


- Meets ASME B18.21.1 specifications
- Alloy 651
- Corrosion resistant
- Non-magnetic

Part No.	Size (In.)	Unit
30469	#10	100
30770	¼	25
30771	5/16	25
30772	⅜	25
30773	½	10
30774	⅝	10

Brass Cap Screws

Brass Hex Head Cap Screws



- UNC (USS)
- Yellow brass

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
90400	¼-20	⅜	100
90401	¼-20	½	100
90402	¼-20	⅝	100
90403	¼-20	¾	100
90404	¼-20	⅞	100
90405	¼-20	1	100
90406	¼-20	1¼	100
90407	¼-20	1½	100
90408	¼-20	1¾	100
90409	¼-20	2	50
90410	¼-20	2¼	50
90411	¼-20	2½	50
90412	¼-20	3	50

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
90420	5/16-18	½	100
90422	5/16-18	¾	100
90424	5/16-18	1	100
90425	5/16-18	1¼	50
90426	5/16-18	1½	50
90427	5/16-18	1¾	50
90428	5/16-18	2	50
90430	5/16-18	2½	50
90431	5/16-18	3	50

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
90438	⅜-16	½	50
90442	⅜-16	¾	50
90443	⅜-16	⅞	50
90444	⅜-16	1	50
90445	⅜-16	1¼	50
90446	⅜-16	1½	50

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
90447	⅜-16	1¾	50
90448	⅜-16	2	25
90449	⅜-16	2¼	25
90450	⅜-16	2½	25
90451	⅜-16	3	25
90452	⅜-16	3½	25

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
90460	½-13	¾	25
90462	½-13	1	25
90463	½-13	1¼	25
90464	½-13	1½	25
90465	½-13	1¾	25
90466	½-13	2	25

Part No.	Dia. - TPI (In.)	Length (In.)	Unit
90482	⅝-11	1½	5
90488	⅝-11	2	5
90484	⅝-11	2½	5
90485	⅝-11	3	5

Brass Hex Nuts

Brass Hex Nuts

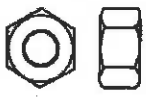


- UNC (USS) or UNF (SAE)
- Non-magnetic

UNC Part No.	Size (In.)	UNF Part No.	Size (In.)	Unit
91601	No. 4 - 40	*	No. 4 - 48	100
91602	No. 6 - 32	*	No. 6 - 40	100
91604	No. 8 - 32	*	No. 8 - 36	100
91605	No. 10 - 24	91615	No. 10 - 32	100
91606	No. 12 - 24	*	No. 12 - 28	100
91607	¼ - 20	*	¼ - 28	100
32222	5/16 - 18	32232	5/16 - 24	50
32223	⅜ - 16	32233	⅜ - 24	50
32224	7/16 - 14	32234	7/16 - 20	50
32224-X	7/16 - 14	*	7/16 - 20	50
32225	½ - 13	32235	½ - 20	50

NOTE: Part No. 32223-X thickness is oversize, Part No. 32224 undersize across the flats-thickness is oversize.

Brass Heavy Hex Nuts



- UNC (USS)
- Non-magnetic

Part No.	Size	Unit
91800	¼ - 20	100
91801	5/16 - 18	100
91802	⅜ - 16	100
91803	½ - 13	50
91805	⅝ - 11	50

Brass Wing Nuts

Brass Wing Nuts



- UNC (USS)
- Type A
- Light series
- Non-magnetic

Part No.	Size	Unit
91630	No. 10-24	100
91631	¼-20	100
91632	5/16-18	50
91633	⅜-16	50

Brass Cap Nuts

Brass Cap Nuts



- UNC (USS)
- Non-magnetic

Part No.	Size	Unit
91665	No. 10 - 24	100
91666	¼ - 20	100
91667	5/16 - 18	50
91668	⅜ - 16	50

Brass Washers

Brass Machine Screw Flat Washer (Non-Plated)



- Yellow brass
- Non-magnetic

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Thick (In.)	Unit
C613603	No. 6	.147	5/16	.028	100
91751	No. 6	.15	⅜	.032	100
91761	No. 6	.15	⅜	.032	1 lb.
C613605	No. 8	.172	⅜	.032	100
91752	No. 8	.172	7/16	.036	100
91762	No. 8	.172	7/16	.036	1 lb.
C613607	No. 10	.203	7/16	.036	100
91753	No. 10	.200	½	.040	100
91763	No. 10	.200	½	.040	1 lb.
C613609	No. 12	.227	½	.040	100
91754	No. 12	.228	9/16	.040	100
91764	No. 12	.228	9/16	.040	1 lb.
C613611	¼	.260	9/16	.040	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Bolt Size	I.D. (In.)	O.D. (In.)	Thick (In.)	Unit
91755	¼	.260	9/16	.051	100
91765	5/16	.268	7/16	.051	1 lb.
C613613	No. 16	.282	⅝	.040	100
C613615	No. 18	.310	11/16	.051	100
*CD559548	5/16	.339	¾	.062	100
91766	5/16	.339	.868	.057	1 lb.
*CD559715	⅜	.391	⅞	.062	100
91767	⅜	.391	1	.081	1 lb.
91769	½	9/16	1¼	.091	1 lb.
91771	5/8	11/16	1½	.102	1 lb.

*Canada only

Brass Flat Washer Pounds to Pieces Conversion

Part No.	Pieces/Lb
91761	1160
91762	740
91763	506
91764	410
91765	210
91767	63
91769	38
91771	24

Brass Machine Screw Flat Washer (Nickel-Plated)



- Yellow brass
- Non-magnetic

Part No.	Bolt Size	Unit
91741	No. 6	100
91742	No. 8	100
91743	No. 10	100
91745	¼	100

Brass Finishing Washer Flash Type (Nickel-Plated)



- Yellow brass
- Non-magnetic

Part No.	Size	Unit
C5639	No. 6	100
31383	No. 8	100
31384	No. 10	100
31385	No. 12	100

Brass Finishing Washer Countersunk Type (Nickel-Plated)

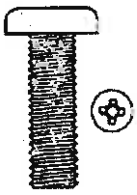


- Yellow brass
- Non-magnetic

Part No.	Bolt Size	Unit
C29434	No. 4	100
31382	No. 6	100
31378	No. 8	100
31394	No. 10	100
31395	No. 12	100
31396	¼	100

Brass Machine Screws

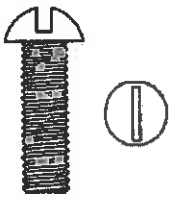
Brass Machine Screws Phillips Pan Head



- UNC (USS) or UNF (SAE)
- Yellow brass
- Non-magnetic
- Non-plated

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
90690	--	No.10	⅜	50
90691	--	No.10	½	50
90692	--	No.10	¾	50

Brass Machine Screws Slotted Round Head



- UNC (USS) or UNF (SAE)
- Yellow brass
- Non-magnetic
- Non-plated

UNC Part No. TPI-40	UNF Part No. TPI-48	Dia.	Length (In.)	Unit
90585	*	No. 4	3/16	100
90590	*	No. 4	¼	50
90588	*	No. 4	¾	50
90520	*	No. 4	1	50

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (In.)	Unit
90526	*	No. 6	¼	50
90527	*	No. 6	3/8	50
90528	*	No. 6	½	50
*C626163	*	No. 6	5/8	100
90530	*	No. 6	¾	50
90532	*	No. 6	1	50
90535	*	No. 6	1½	50
90536	*	No. 6	2	50

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia.	Length (In.)	Unit
*C626138	*	No. 8	3/16	100
90542	*	No. 8	¼	100
90543	*	No. 8	3/8	100
90545	*	No. 8	½	100
90546	*	No. 8	5/8	50
90547	*	No. 8	¾	50
90548	*	No. 8	1	50
KP55014	*	No. 8	1¼	100
90551	*	No. 8	1½	50
90550	*	No. 8	2	50

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
C626153	*C626161	No. 10	¼	100
90568	90582	No. 10	3/8	50
90564	90584	No. 10	½	50
90566	90585	No. 10	¾	50
90569	90583	No. 10	1	50
90571	*	No. 10	1½	50
*	KP55026	No. 10	1½	100
90573	*	No. 10	2	50
*	KP55025	No. 10	2	100

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (In.)	Unit
90603	*	No. 12	½	50
90604	*	No. 12	¾	50
90605	*	No. 12	1	50
*90606	*	No. 12	1½	50
*90607	*	No. 12	2	50

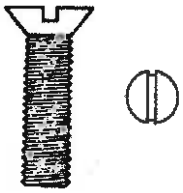
UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (In.)	Unit
90622	*	¼	½	50
90624	*	¼	¾	50
90626	*	¼	1	50
90627	*	¼	1½	50
90631	*	¼	2	50

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Brass Machine Screws

Slotted Flat Head



- UNC (USS) or UNF (SAE)
- Yellow brass
- Non-magnetic
- Non-plated

UNC Part No. TPI-40	UNF Part No. TPI-48	Dia.	Length (in.)	Unit
[illegible]	*	No. 4	⅛	50
[illegible]	*	No. 4	¾	50
[illegible]	*	No. 4	1	50

UNC Part No. TPI-32	UNF Part No. TPI-40	Dia.	Length (in.)	Unit
[illegible]	*	No. 6	¼	50
[illegible]	*	No. 6	⅜	50
[illegible]	*	No. 6	½	50
[illegible]	*	No. 6	¾	50
90649	*	No. 6	1	50
[illegible]	*	No. 6	1½	50
[illegible]	*	No. 6	2	50

UNC Part No. TPI-32	UNF Part No. TPI-36	Dia.	Length (in.)	Unit
[illegible]	*	No. 8	¼	50
90656	*	No. 8	⅜	50
90657	*	No. 8	½	50
[illegible]	*	No. 8	¾	50
90659	*	No. 8	1	50
[illegible]	*	No. 8	1½	50
[illegible]	*	No. 8	2	50

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (in.)	Unit
[illegible]	[illegible]	No. 10	⅜	50
90666	90676	No. 10	½	50
90667	90677	No. 10	¾	50
*	[illegible]	No. 10	⅞	100
90668	90678	No. 10	1	50
[illegible]	*	No. 10	1½	50
[illegible]	*	No. 10	2	50

UNC Part No. TPI-24	UNF Part No. TPI-32	Dia.	Length (in.)	Unit
[illegible]	*	No. 12	½	50
[illegible]	*	No. 12	¾	50
[illegible]	*	No. 12	1	50
[illegible]	*	No. 12	1½	50
[illegible]	*	No. 12	2	50

UNC Part No. TPI-20	UNF Part No. TPI-28	Dia.	Length (in.)	Unit
[illegible]	*	¼	½	50
90685	*	¼	¾	50
90687	*	¼	1	50
90688	*	¼	1½	50
90689	*	¼	2	50

Brass Wood Screws

Phillips Flat Head Wood Screws



- Yellow brass
- Non-magnetic

Part No.	Dia.	Length (in.)	Unit
[illegible]	No. 6	¾	100
[illegible]	No. 6	1	100
[illegible]	No. 6	1¼	100

Part No.	Dia.	Length (in.)	Unit
[illegible]	No. 8	¾	100
[illegible]	No. 8	1	100
[illegible]	No. 8	1¼	100
[illegible]	No. 8	1½	100

Part No.	Dia.	Length (in.)	Unit
[illegible]	No. 10	1	100
[illegible]	No. 10	1¼	100
[illegible]	No. 10	1½	100
[illegible]	No. 10	2	100

Part No.	Dia.	Length (in.)	Unit
[illegible]	No. 12	1	100
[illegible]	No. 12	1¼	100
[illegible]	No. 12	1½	100
[illegible]	No. 12	2	100

Brass Square Drive Flat Head Wood Screws – +Canada Only



- Solid brass
- Superior corrosion resistance

Part No.	Dia.	Length (in.)	Unit
+[illegible]	No. 4	⅜	100
+[illegible]	No. 4	½	100
+[illegible]	No. 4	⅝	100
+[illegible]	No. 4	¾	100
+[illegible]	No. 4	1	100
+[illegible]	No. 5	½	100
+[illegible]	No. 5	⅝	100
+[illegible]	No. 5	¾	100
+[illegible]	No. 5	1	100
+[illegible]	No. 6	½	100
+[illegible]	No. 6	⅝	100
+[illegible]	No. 6	¾	100
+[illegible]	No. 6	1	100
+[illegible]	No. 6	1¼	100
+[illegible]	No. 6	1½	100
+[illegible]	No. 7	⅝	100
+[illegible]	No. 7	¾	100
+[illegible]	No. 7	1	100
+[illegible]	No. 7	1¼	100
+[illegible]	No. 7	1½	100
+[illegible]	No. 8	½	100

Part No.	Dia.	Length (in.)	Unit
+[illegible]	No. 8	¾	100
+[illegible]	No. 8	¾	100
+[illegible]	No. 8	1	100
+[illegible]	No. 8	1¼	100
+[illegible]	No. 8	1¼	100
+[illegible]	No. 8	2	100
+[illegible]	No. 9	1	100
+[illegible]	No. 9	1¼	100
+[illegible]	No. 9	1½	100
+[illegible]	No. 10	¾	100
+[illegible]	No. 10	1	100
+[illegible]	No. 10	1¼	100
+[illegible]	No. 10	1½	100
+[illegible]	No. 10	1¾	100
+[illegible]	No. 10	2	100
+[illegible]	No. 10	2½	100
+[illegible]	No. 12	1	100
+[illegible]	No. 12	1¼	100
+[illegible]	No. 12	1½	100
+[illegible]	No. 12	1¾	100
+[illegible]	No. 12	2	100
+[illegible]	No. 12	2½	100
+[illegible]	No. 12	3	100
+[illegible]	No. 14	1½	100
+[illegible]	No. 14	1½	100

Copper Flat Washers

Copper Flat Washers

- Solid copper
- Non-magnetic
- Non-plated



Part No.	Bolt Size	I.D. (in.)	O.D. (in.)	Thickness (in.)	Unit
[illegible]	No. 10	[illegible]	½	.040	100
[illegible]	No. 10	[illegible]	½	.040	25
[illegible]	¼	[illegible]	[illegible]	.051	100
[illegible]	¼	[illegible]	[illegible]	.051	25
[illegible]	⅝	[illegible]	⅜	.064	100
[illegible]	⅝	[illegible]	⅞	.064	25
[illegible]	⅜	[illegible]	¾	.064	50
[illegible]	⅜	[illegible]	1	.081	50
[illegible]	⅜	[illegible]	1	.081	10
[illegible]	[illegible]	½	[illegible]	.091	50
[illegible]	½	[illegible]	⅞	.064	50
[illegible]	½	[illegible]	[illegible]	.091	50
[illegible]	½	[illegible]	[illegible]	.091	10
[illegible]	⅝	[illegible]	[illegible]	.091	50
[illegible]	¾	[illegible]	2	.125	25
[illegible]	1	[illegible]	[illegible]	.128	10

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

114 Non-Ferrous Fasteners & Metric Fasteners

Copper Gaskets

Washer Type

- Solid copper
- Non-magnetic
- Non-plated



Part No.	Bolt Size (In.)	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
38568	¼	9/16	7/16	1/16	50
38569	5/16	21/64	½	1/32	50
38570	3/8	13/32	9/16	1/16	50
38570-1	3/8	7/16	13/16	1/16	50
38573	7/16	15/64	1 1/16	1/32	50
38571	7/16	15/32	5/16	1/16	50
38576	½	17/64	45/64	1/32	50
38574	½	33/64	1 1/16	1/32	50
38572	½	17/32	29/64	1/16	50
38575	½	9/16	13/16	1/32	50
38577	9/16	37/64	13/16	1/32	50
38579	5/8	21/32	1	1/16	50
38579-1	3/4	25/32	1	1/16	25
38580	7/8	1	1 1/4	1/16	50
38580-1	1 1/4	1 3/8	1 5/8	1/16	50

Copper Sealing Washers



- Solid Copper
- Non-Magnetic
- Use as a gasket or bushing.

Part No.	Size (In.)	O.D. (In.)	Thick (In.)	Unit
C613701	¼	7/16	1/32	100
C613703	5/16	½	1/32	100
C613705	3/8	9/16	1/32	100
C613707	7/16	5/8	1/32	100
C613709	½	11/16	1/32	100

Fibre Washers

Fibre Washers

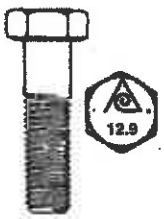


- Vulcanized fibre
- Electrical insulator
- Moisture resistant
- Non-compressable

Part No.	I.D. (In.)	O.D. (In.)	Thickness (In.)	Unit
31452	1/8	1/4	1/32	50
31455	5/16	5/32	1/16	50
31456	3/16	3/8	1/32	50
31457	3/16	5/8	1/64	50
31459	7/32	5/16	1/32	50
C9310	1/4	3/8	1/32	100
31461	1/4	7/16	1/32	50
31464	9/32	1/2	3/64	50
31466	5/16	1/2	1/32	50
31467	5/16	9/16	1/32	50
31469	3/8	9/16	1/32	50
31470	3/8	11/16	3/64	50
31474	1/2	3/4	1/16	25
31475	1/2	7/8	1/16	25
31476	9/16	7/8	1/16	25
31477	9/16	3/4	1/32	25
31460	19/32	1	1/16	25
31481	5/8	7/8	3/64	25
31482	5/8	1	1/16	25
31483	3/4	1 1/4	3/64	25
31484	3/4	1 3/16	1/16	25
31485	7/8	1 3/16	1/16	50
31486	7/8	1 5/16	3/32	25
31487	1	1 5/16	1/16	25
31488	1	1 7/16	3/32	25

12.9 Hex Head Cap Screws

Bowmetric® 12.9 Hex Head Cap Screws



BOWMAN Unichrome PLATING™

- Meets ISO property class 12.9 specifications
- Cold formed from high-strength alloy steel
- 20% higher head
- Multiple heat treated
- Standard thread
- For use with Bowman flat washers 43981 series, and Bowma-Grip nuts 41769 series

Part No.	Dia. x Pitch	Length (mm)	Unit
44039	M5 x 0.8	16	50
44010	M5 x 0.8	20	50
44011	M5 x 0.8	30	50
44012	M5 x 0.8	40	50

Part No.	Dia. x Pitch	Length (mm)	Unit
44018	M6 x 1.0	12	50
44019	M6 x 1.0	16	50
44021	M6 x 1.0	20	50
44023	M6 x 1.0	25	50
44025	M6 x 1.0	30	50
44027	M6 x 1.0	40	50
44029	M6 x 1.0	50	50
44030	M6 x 1.0	60	50
44031	M6 x 1.0	70	50

Part No.	Dia. x Pitch	Length (mm)	Unit
44053	M8 x 1.25	16	50
44051	M8 x 1.25	20	50
44053	M8 x 1.25	25	50
44055	M8 x 1.25	30	50
44056	M8 x 1.25	35	50
MP44056	M8 x 1.25	35	25
44057	M8 x 1.25	40	50
MP44057	M8 x 1.25	40	25
44059	M8 x 1.25	50	50
MP44059	M8 x 1.25	50	25
44061	M8 x 1.25	60	50
44063	M8 x 1.25	70	50

Part No.	Dia. x Pitch	Length (mm)	Unit
44071	M10 x 1.5	20	50
MP44071	M10 x 1.5	20	25
44072	M10 x 1.5	25	50
44075	M10 x 1.5	30	50
MP44075	M10 x 1.5	30	25
44076	M10 x 1.5	35	50
44077	M10 x 1.5	40	50
MP44077	M10 x 1.5	40	25
44078	M10 x 1.5	45	50
44079	M10 x 1.5	50	50
MP44079	M10 x 1.5	50	10
45060	M10 x 1.5	55	50
44081	M10 x 1.5	60	50
MP44081	M10 x 1.5	60	10
44083	M10 x 1.5	70	50
MP44083	M10 x 1.5	70	10
44085	M10 x 1.5	80	25
44087	M10 x 1.5	100	25

Part No.	Dia. x Pitch	Length (mm)	Unit
44090	M12 x 1.75	20	25
MP44090	M12 x 1.75	20	10
44091	M12 x 1.75	30	25
MP44091	M12 x 1.75	30	10
44092	M12 x 1.75	40	25
MP44092	M12 x 1.75	40	10
44093	M12 x 1.75	50	25
MP44093	M12 x 1.75	50	10
44097	M12 x 1.75	60	25
MP44097	M12 x 1.75	60	10
44098	M12 x 1.75	70	25
MP44098	M12 x 1.75	70	10
44101	M12 x 1.75	80	25
MP44101	M12 x 1.75	80	10
44105	M12 x 1.75	90	25

Part No.	Dia. x Pitch	Length (mm)	Unit
44118	M16 x 2.0	40	10
44119	M16 x 2.0	50	10
44120	M16 x 2.0	60	10
44121	M16 x 2.0	70	10
44122	M16 x 2.0	80	10
44123	M16 x 2.0	90	5
44124	M16 x 2.0	100	5
44125	M16 x 2.0	120	5

Part No.	Dia. x Pitch	Length (mm)	Unit
44133	M20 x 2.5	40	10
44134	M20 x 2.5	50	10
44135	M20 x 2.5	60	10
44136	M20 x 2.5	70	10
44137	M20 x 2.5	80	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

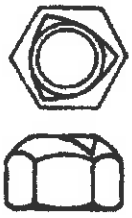
Continued from previous page

Metric Hex Head Cap Screw Wrench Selection Chart

- Dimension across the flats varies with Property Class

Diameter	12.9 Bowmetric®	10.9 (ANSI)	8.8 (DIN)
M4	—	M7	M7
M5	M8	M8	M8
M6	M10	M10	M10
M7	—	M11	M11
M8	M13	M13	M13
M10	M16	M16	M17
M12	M18	M18	M19
M14	M21	M21	M22
M16	M24	M24	M24
M18	—	M27	M27
M20	M30	M30	M30

Metric Bowma-Grip® Hex Nuts, All-Metal Prevailing-Torque Type



- Meets ISO property Class 12 specifications
- Performance requirements per ANSI B18.16.1M specifications
- Medium carbon steel
- Multiple heat treated
- Cadmium plated
- Standard thread
- Prevailing torque type
- Prelubricated with wax
- For use with property Class 12.9, 10.9, 9.8,and 8.8 bolts, screws and studs
- Note: For temperature applications up to 400°F only

Part No.	Dia. x Pitch	Unit
41769	M6 x 1.0	50
41771	M8 x 1.25	50
41772	M10 x 1.5	50
41773	M12 x 1.75	50
41774	M14 X 2.00	25
41775	M16 x 2.0	25
41776	M20 x 2.5	10

Non stock items are furnished non plated

Metric Through-Hardened Flat Washers



- Meets to ANSI B18.22M specifications
- Medium carbon steel
- Zinc plated
- For use with 12.9, 10.9, 9.8 and 8.8 property class fasteners

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
C25041	M4	4.3	9	0.80	100
C25042	M5	5.3	10	1.00	100
43981	M6	6.4	12.50	1.6	1 lb.
MP43981	M6	6.4	12.50	1.6	100
C25043	M7	7.4	14	1.6	100
43982	M8	8.4	17	1.6	1 lb.
MP43982	M8	8.4	17	1.6	100
43984	M10	10.5	21	2	1 lb.
MP43984	M10	10.5	21	2	100
43985	M12	13	24	2.50	1 lb.
MP43985	M12	13	24	2.50	50
43986	M14	15	28	2.50	1 lb.
MP43986	M14	15	28	2.50	50
43987	M16	17	30	3	1 lb.
MP43987	M16	17	30	3	25
C90484	M18	19	34	3	10
43988	M20	21	37	3	1 lb.
MP43988	M20	21	37	3	25
43989	M24	25	44	4	1 lb.
MP43989	M24	25	44	4	10

1 lb. — Pieces Conversion

- Approximate number of pieces per pound

Part No.	Pieces
43981	435
43983	150
43984	145
43985	70
43986	58
43987	35
43989	21
43990	15

Metric Lock Washers



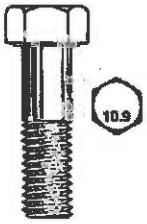
- Meets DIN 127B specifications
- Spring steel
- Heat treated
- Zinc plated
- Non-linking
- For use with 12.9, 10.9 and 8.8 fasteners

Part No.	Bolt Size	Unit
C30990	M3	100
42455	M4	200
MP42454	M4	100
42455	M5	200
MP42455	M5	100
42456	M6	200
MP42456	M6	100
42457	M7	200
MP42457	M7	100
42458	M8	200

Part No.	Bolt Size	Unit
MP42454	M8	100
42455	M10	100
MP42455	M10	50
42456	M12	100
MP42456	M12	50
42457	M14	100
MP42457	M14	50
42458-16	M16	100
MP42458-16	M16	50
42458-18	M18	50
42458-20	M20	50
MP42458-20	M20	25
42459-1	M24	50
MP42459-1	M24	25

10.9 Hex Head Cap Screws

Metric 10.9 Hex Head Cap Screws



BOWMAN Unichrome PLATING™

- Manufactured to ANSI B18.2.3.1M specifications
- M10, M12, M14 diameters meet DIN or ANSI specifications for width across flats dimensions
- Medium carbon alloy steel quenched and tempered
- Comparable to SAE Grade 8 (150,000 psi tensile strength)
- Standard Thread
- For use with:
  Bowman Flat Washers 43981 series
  Bowman Lock Washers 42450 series
  Bowman Hex Nuts 44183 series
  Bowma-Grip Nuts 41769 series
  Bowma-Grip Hex Flange Nuts 41781 series

Part No.	Dia. x Pitch	Length (mm)	Flat (mm)	DIN/ANSI	Unit
44413	M5 x 0.8*	12	8	ANSI	50
44414	M5 x 0.8*	16	8	ANSI	50
44415	M5 x 0.8*	20	8	ANSI	50
44416	M5 x 0.8*	25	8	ANSI	50
44417	M5 x 0.8*	30	8	ANSI	50
44418	M5 x 0.8*	35	8	ANSI	50
44419	M5 x 0.8*	40	8	ANSI	50
44420	M5 x 0.8*	45	8	ANSI	50
44421	M5 x 0.8*	50	8	ANSI	50
44422	M5 x 0.8*	60	8	ANSI	50
44423	M5 x 0.8*	65	8	ANSI	50
44424	M5 x 0.8*	70	8	ANSI	50

Part No.	Dia. x Pitch	Length (mm)	Flats (mm)	ANSI	Unit
44427	M6 x 1.0	12	10	ANSI	50
44427-1	M6 x 1.0	14	10	ANSI	50
44428	M6 x 1.0	16	10	ANSI	50
44429	M6 x 1.0	18	10	ANSI	50
44430	M6 x 1.0	20	10	ANSI	50
44432	M6 x 1.0	25	10	ANSI	25
44434	M6 x 1.0	30	10	ANSI	25
44436	M6 x 1.0	35	10	ANSI	25
44437	M6 x 1.0	40	10	ANSI	25
44438	M6 x 1.0	45	10	ANSI	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners

Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	Flats (mm)	ANSI	Unit
44439	M6 x 1.0	50	10	ANSI	25
44441	M6 x 1.0	60	10	ANSI	25
44443	M6 x 1.0	70	10	ANSI	25
44444	M6 x 1.0	80	10	ANSI	25
44446	M6 x 1.0	100	10	ANSI	25

Part No.	Dia. x Pitch	Length (mm)	Flats (mm)	DIN/ANSI	Unit
44450-1	M8 x 1.25	12	13	ANSI	50
44451	M8 x 1.25	14	13	ANSI	50
44452	M8 x 1.25	16	13	ANSI	50
44453	M8 x 1.25	18	13	ANSI	50
44454	M8 x 1.25	20	13	ANSI	50
44455	M8 x 1.25	25	13	ANSI	50
44458	M8 x 1.25	30	13	ANSI	25
44460	M8 x 1.25	35	13	ANSI	25
44461	M8 x 1.25	40	13	ANSI	25
MP44461	M8 x 1.25	40	13	ANSI	10
44462	M8 x 1.25	45	13	ANSI	25
MP44462	M8 x 1.25	45	13	ANSI	10
44463	M8 x 1.25	50	13	ANSI	25
MP44463	M8 x 1.25	50	13	ANSI	10
C756278	M8 x 1.25	55	13	ANSI	10
44465	M8 x 1.25	60	13	ANSI	25
MP44465	M8 x 1.25	60	13	ANSI	10
C90697	M8 x 1.25	65	13	ANSI	10
C9467	M8 x 1.25	70	13	ANSI	25
MP44467	M8 x 1.25	70	13	ANSI	10
C90899	M8 x 1.25	75	13	ANSI	10
44468	M8 x 1.25	80	13	ANSI	25
MP44468	M8 x 1.25	80	13	ANSI	10
44470	M8 x 1.25	100	13	ANSI	25
MP44470	M8 x 1.25	100	13	ANSI	10

Part No.	Dia. x Pitch	Length (mm)	Flats (mm)	DIN/ANSI	Unit
44475	M10 x 1.5	16	16	ANSI	50
44476	M10 x 1.5	20	16	ANSI	50
44478	M10 x 1.5	25	16	ANSI	50
44480	M10 x 1.5	30	16	ANSI	50
44481	M10 x 1.5	35	16	ANSI	50
44483	M10 x 1.5	40	16	ANSI	25
MP44483	M10 x 1.50	40	16	ANSI	10
44484	M10 x 1.5	45	16	ANSI	25
MP44484	M10 x 1.50	45	16	ANSI	10
44485	M10 x 1.5	50	16	ANSI	25
MP44485	M10 x 1.5	50	16	ANSI	10
44486	M10 x 1.5	55	16	ANSI	25
MP44486	M10 x 1.50	55	16	ANSI	10
44487	M10 x 1.5	60	16	ANSI	25
MP44487	M10 x 1.5	60	16	ANSI	10
44488	M10 x 1.5	65	16	ANSI	25
MP44488	M10 x 1.50	65	16	ANSI	10
44489	M10 x 1.5	70	16	ANSI	25
MP44489	M10 x 1.5	70	16	ANSI	10
44490	M10 x 1.5	75	16	ANSI	25
MP44490	M10 x 1.50	75	16	ANSI	10
44491	M10 x 1.5	80	16	ANSI	25
MP44491	M10 x 1.50	80	16	ANSI	10
44493	M10 x 1.5	90	16	ANSI	25
MP44493	M10 x 1.50	90	16	ANSI	10
44495	M10 x 1.5	100	16	ANSI	25
MP44495	M10 x 1.50	100	16	ANSI	10

Part No.	Dia. x Pitch	Length (mm)	Flat (mm)	DIN/ANSI	Unit
C90388	M10 x 1.5	16	17	DIN	10
C90401	M10 x 1.5	20	17	DIN	10
C90402	M10 x 1.5	25	17	DIN	10
C90403	M10 x 1.5	30	17	DIN	10
C90404	M10 x 1.5	35	17	DIN	10
C90405	M10 x 1.5	40	17	DIN	10
C90406	M10 x 1.5	45	17	DIN	10
C90407	M10 x 1.5	50	17	DIN	10

Part No.	Dia. x Pitch	Length (mm)	Flat (mm)	DIN/ANSI	Unit
C90408	M10 x 1.5	55	17	DIN	10
C90409	M10 x 1.5	60	17	DIN	10
C90410	M10 x 1.5	70	17	DIN	10
C90411	M10 x 1.5	75	17	DIN	10
C90412	M10 x 1.5	80	17	DIN	10
C90413	M10 x 1.5	90	17	DIN	10
C90414	M10 x 1.5	100	17	DIN	10

Part No.	Dia. x Pitch	Length (mm)	Flat (mm)	DIN/ANSI	Unit
44499	M12 x 1.75	20	18	ANSI	25
44501	M12 x 1.75	25	18	ANSI	25
44503	M12 x 1.75	30	18	ANSI	25
44504	M12 x 1.75	35	18	ANSI	25
44505	M12 x 1.75	40	18	ANSI	25
MP44505	M12 x 1.75	40	18	ANSI	10
44506	M12 x 1.75	45	18	ANSI	25
MP44506	M12 x 1.75	45	18	ANSI	10
44507	M12 x 1.75	50	18	ANSI	25
MP44507	M12 x 1.75	50	18	ANSI	10
44508	M12 x 1.75	55	18	ANSI	10
MP44508	M12 x 1.75	55	18	ANSI	5
44509	M12 x 1.75	60	18	ANSI	10
MP44509	M12 x 1.75	60	18	ANSI	5
C26122	M12 x 1.75	65	18	ANSI	5
44511	M12 x 1.75	70	18	ANSI	10
MP44511	M12 x 1.75	70	18	ANSI	5
44513	M12 x 1.75	80	18	ANSI	10
MP44513	M12 x 1.75	80	18	ANSI	5
44515	M12 x 1.75	90	18	ANSI	10
MP44515	M12 x 1.75	90	18	ANSI	5
44517	M12 x 1.75	100	18	ANSI	10
MP44517	M12 x 1.75	100	18	ANSI	5
C26128	M12 x 1.75	110	18	ANSI	5
C26129	M12 x 1.75	120	18	ANSI	5

Part No.	Dia. x Pitch	Length (mm)	Flat (mm)	DIN/ANSI	Unit
C90415	M12 x 1.75	20	19	DIN	10
C90416	M12 x 1.75	25	19	DIN	10
C90417	M12 x 1.75	30	19	DIN	10
C90418	M12 x 1.75	35	19	DIN	10
C90419	M12 x 1.75	40	19	DIN	10
C90420	M12 x 1.75	45	19	DIN	10
C90421	M12 x 1.75	50	19	DIN	10
C90422	M12 x 1.75	55	19	DIN	5
C90423	M12 x 1.75	60	19	DIN	5
C90424	M12 x 1.75	65	19	DIN	5
C90425	M12 x 1.75	70	19	DIN	5
C90426	M12 x 1.75	75	19	DIN	5
C90427	M12 x 1.75	80	19	DIN	5
C90428	M12 x 1.75	90	19	DIN	5
C90429	M12 x 1.75	100	19	DIN	5
C90430	M12 x 1.75	110	19	DIN	5
C90431	M12 x 1.75	120	19	DIN	5

Part No.	Dia. x Pitch	Length (mm)	Flat (mm)	DIN/ANSI	Unit
44519	M14 x 2.0	30	21	ANSI	50
MP44519	M14 x 2.0	30	21	ANSI	10
MP77807	M14 X 2.0	35	21	ANSI	10
44520	M14 x 2.0	40	21	ANSI	50
MP44520	M14 x 2.0	40	21	ANSI	10
MP77809	M14 X 2.0	45	21	ANSI	10
44521	M14 x 2.0	50	21	ANSI	25
MP44521	M14 x 2.0	50	21	ANSI	10
44522	M14 x 2.0	60	21	ANSI	25
MP44522	M14 x 2.0	60	21	ANSI	10
44523	M14 x 2.0	70	21	ANSI	25
MP44523	M14 x 2.0	70	21	ANSI	5
44524	M14 x 2.0	80	21	ANSI	25
MP44524	M14 x 2.0	80	21	ANSI	5
MP77816	M14 X 2.0	90	21	ANSI	25

Part No.	Dia. x Pitch	Length (mm)	Flat (mm)	DIN/ANSI	Unit
MP77817	M14 X 2.0	100	21	ANSI	50
MP77818	M14 X 2.0	110	21	ANSI	10
MP77819	M14 X 2.0	120	21	ANSI	10

Part No.	Dia. x Pitch	Length (mm)	Flat (mm)	DIN/ANSI	Unit
C90432	M14 x 2.0	25	22	DIN	5
C90433	M14 x 2.0	30	22	DIN	5
C90434	M14 x 2.0	35	22	DIN	5
C90435	M14 x 2.0	40	22	DIN	5
C90436	M14 x 2.0	50	22	DIN	5
C90437	M14 x 2.0	60	22	DIN	5
C90438	M14 x 2.0	70	22	DIN	5
C90439	M14 x 2.0	80	22	DIN	5
C90440	M14 x 2.0	90	22	DIN	5
C90441	M14 x 2.0	100	22	DIN	5
C90442	M14 x 2.0	110	22	DIN	5

Part No.	Dia. x Pitch	Length (mm)	Flat (mm)	DIN/ANSI	Unit
44567	M16 x 2.0	30	24	ANSI	10
MP44567	M16 x 2.0	30	24	ANSI	5
C90444	M16 x 2.0	35	24	ANSI	5
44569	M16 x 2.0	40	24	ANSI	10
MP44568	M16 x 2.0	40	24	ANSI	5
C90446	M16 x 2.0	45	24	ANSI	5
44570	M16 x 2.0	50	24	ANSI	10
MP44570	M16 x 2.0	50	24	ANSI	5
C90448	M16 x 2.0	55	24	ANSI	5
44572	M16 x 2.0	60	24	ANSI	10
MP44572	M16 x 2.0	60	24	ANSI	5
C90450	M16 x 2.0	65	24	ANSI	5
44574	M16 x 2.0	70	24	ANSI	10
MP44574	M16 x 2.0	70	24	ANSI	5
C90452	M16 x 2.0	75	24	ANSI	5
44576	M16 x 2.0	80	24	ANSI	10
MP44576	M16 x 2.0	80	24	ANSI	5
44578	M16 x 2.0	90	24	ANSI	5
44580	M16 x 2.0	100	24	ANSI	5
C90455	M16 x 2.0	110	24	ANSI	5
44582	M16 x 2.0	120	24	ANSI	5
MP79389	M16 x 2.0	130	24	ANSI	10
MP79390	M16 x 2.0	150	24	ANSI	10

Part No.	Dia. x Pitch	Length (mm)	Flats (mm)	DIN/ANSI	Unit
44630	M20 x 2.5	40	30	ANSI	10
44632	M20 x 2.5	50	30	ANSI	10
MP44632	M20 x 2.5	50	30	ANSI	5
C90378	M20 x 2.5	55	30	ANSI	5
44634	M20 x 2.5	60	30	ANSI	10
MP44634	M20 x 2.5	60	30	ANSI	5
44636	M20 x 2.5	70	30	ANSI	10
MP44636	M20 x 2.5	70	30	ANSI	5
C90462	M20 x 2.5	75	30	ANSI	5
44638	M20 x 2.5	80	30	ANSI	10
44640	M20 x 2.5	90	30	ANSI	5
44642	M20 x 2.5	100	30	ANSI	5
C90386	M20 x 2.5	110	30	ANSI	1
44644	M20 x 2.5	120	30	ANSI	3
C90429	M20 x 2.5	130	30	ANSI	1
44645	M20 x 2.5	140	30	ANSI	3
C93490	M20 x 2.5	150	30	ANSI	1
44648	M20 x 2.5	200	30	ANSI	3

Part No.	Dia. x Pitch	Length (mm)	Flats (mm)	DIN/ANSI	Unit
C90491	M24 x 3.0	40	36	ANSI	1
C90492	M24 x 3.0	50	36	ANSI	1
44660	M24 x 3.0	60	36	ANSI	5
44661	M24 x 3.0	70	36	ANSI	5
C90495	M24 x 3.0	75	36	ANSI	1
44662	M24 x 3.0	80	36	ANSI	5
44663	M24 x 3.0	90	36	ANSI	5
44664	M24 x 3.0	100	36	ANSI	3
44665	M24 x 3.0	110	36	ANSI	3

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners

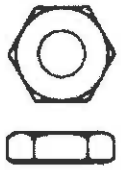
Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	Flats (mm)	DIN/ANSI	Unit
44664	M24 x 3.0	120	36	ANSI	3
C90501	M24 x 3.0	130	36	ANSI	1
C90502	M24 x 3.0	140	36	ANSI	1
C90503	M24 x 3.0	150	36	ANSI	1
44669	M24 x 3.0	160	36	ANSI	3

Part No.	Dia. x Pitch	Length (mm)	Flats (mm)	DIN/ANSI	Unit
44680	M30 x 3.5	60	46	ANSI	5
44681	M30 x 3.5	70	46	ANSI	5
44682	M30 x 3.5	80	46	ANSI	5
44683	M30 x 3.5	90	46	ANSI	5
44684	M30 x 3.5	100	46	ANSI	3
BP44686	M30 x 3.5	120	46	ANSI	10
44687	M30 x 3.5	130	46	ANSI	3
BP44688	M30 x 3.5	140	46	ANSI	10

* The M5 diameter is a semi-standard item; therefore, pricing will vary with availability. Non-stock items furnished non-plated.

Metric Class 10 Hex Nuts DIN/ANSI



- Meets DIN 934 and ANSI Specifications
- Medium carbon steel
- Multiple heat treated
- Zinc plated
- Standard thread
- For use with Property Class 10.9, 9.8 and 8.8 bolts, screws and studs

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
44185	M4 x 7.0	7	2.2	50
44186	M6 x 1.00	10	5	50
44187	M8 x 1.25	13	6.5	50
44188	M10 x 1.50	17	8	50
BP44188	M10 x 1.5	17	8	25
44189	M12 x 1.75	19	10	50
BP44189	M12 x 1.75	19	10	10
44190	M12 x 1.75	18 ANSI	10	50
44191	M14 x 2.00	22	11	25
BP44190	M14 x 2.0	22	11	10
44191	M16 x 2.00	24	13	25
BP44191	M16 x 2.00	24	13	10
44192	M18 x 2.50	27	15	25
BP44192	M18 x 2.5	27	15	10
44193	M20 x 2.50	30	16	25
BP44193	M20 x 2.50	30	16	10
44193-1	M22 x 2.50	32	18	25
44194	M24 x 3.00	36	19	25
BP44194	M24 x 3.00	36	19	10
44196	M30 x 3.50	46	24	25
BP44195	M30 x 3.5	46	24	5

Metric Through-Hardened Flat Washers



- Meets to ANSI B18.22M specifications
- Medium carbon steel
- Zinc plated
- For use with 12.9, 10.9, 9.8 and 8.8 property class fasteners

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
C25041	M4	4.3	9	0.80	100
C25342	M5	5.3	10	1.00	100
43981	M6	6.4	12.50	1.6	1 lb.
BP43981	M6	6.4	12.50	1.6	100
C25043	M7	7.4	14	1.6	100
43983	M8	8.4	17	1.6	1 lb.
BP43983	M8	8.4	17	1.6	100
43984	M10	10.5	21	2	1 lb.
BP43984	M10	10.5	21	2	100
43985	M12	13	24	2.50	1 lb.
BP43985	M12	13	24	2.50	50
43986	M14	15	28	2.50	1 lb.
BP43986	M14	15	28	2.50	50
43987	M16	17	30	3	1 lb.
BP43987	M16	17	30	3	25
C90034	M18	19	34	3	10
43989	M20	21	37	3	1 lb.
BP43989	M20	21	37	3	25
43990	M24	25	44	4	1 lb.
BP43990	M24	25	44	4	10

1 lb. — Pieces Conversion

- Approximate number of pieces per pound

Part No.	Pieces
43931	435
43948	150
43964	145
43935	70
43966	58
43937	35
43939	21
43950	15

Metric Lock Washers

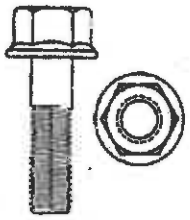


- Meets DIN 127B specifications
- Spring steel
- Heat treated
- Zinc plated
- Non-linking
- For use with 12.9, 10.9 and 8.8 fasteners

Part No.	Bolt Size	Unit
C30990	M3	100
42450	M4	200
BP42450	M4	100
42451	M5	200
BP42451	M5	100
42452	M6	200
BP42452	M6	100
42453	M7	200
BP42453	M7	100
42454	M8	200
BP42454	M8	100
42455	M10	100
BP42455	M10	50
42456	M12	100
BP42456	M12	50
42457	M14	100
BP42457	M14	50
42458-16	M16	100
BP42458-16	M16	50
42458-18	M18	50
42458-20	M20	50
BP42458-20	M20	25
42459-1	M24	50
BP42459-1	M24	25

Metric 10.9 Hex Head Flange Bolts

Small Head - JIS Standard



- Meets JIS B 1189 specifications
- Alloy steel
- Heat treated
- Zinc plated

Part No.	Dia. x Pitch	Length (mm)	Flange Dia. (mm)	Across Flats (mm)	Unit
4551	M6 x 1.0	12	14	10	50
BP4551	M6 x 1.0	12	14	10	25
4552	M6 x 1.0	16	14	10	50
BP4552	M6 x 1.0	16	14	10	25
4553	M6 x 1.0	20	14	10	50
BP4553	M6 x 1.0	20	14	10	25
4554	M6 x 1.0	25	14	10	25
4555	M6 x 1.0	30	14	10	25
4556	M6 x 1.0	35	14	10	25
BP4556	M6 x 1.0	35	14	10	10
4557	M6 x 1.0	40	14	10	25
BP4557	M6 x 1.0	40	14	10	10

Part No.	Dia. x Pitch	Length (mm)	Flange Dia. (mm)	Across Flats (mm)	Unit
4558	M8 x 1.25	12	17.5	12	25
4559	M8 x 1.25	16	17.5	12	25
4560	M8 x 1.25	20	17.5	12	25
4561	M8 x 1.25	25	17.5	12	25
BP4561	M8 x 1.25	25	17.5	12	10
4562	M8 x 1.25	30	17.5	12	25
BP4562	M8 x 1.25	30	17.5	12	10
4563	M8 x 1.25	35	17.5	12	25
BP4563	M8 x 1.25	35	17.5	12	10
4564	M8 x 1.25	40	17.5	12	25
BP4564	M8 x 1.25	40	17.5	12	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	Flange Dia. (mm)	Across Flats (mm)	Unit
4565	M8 x 1.25	45	17.5	12	25
MP4565	M8 x 1.25	45	17.5	12	10
4566	M8 x 1.25	50	17.5	12	25
MP4566	M8 x 1.25	50	17.5	12	10
CD4878	M8 x 1.25	60	17.5	12	25
CD4879	M8 x 1.25	70	17.5	12	25

Part No.	Dia. x Pitch	Length (mm)	Flange Dia. (mm)	Across Flats (mm)	Unit
CD4880	M10 x 1.25	16	21	14	25
4570	M10 x 1.25	20	21	14	25
MP4570	M10 x 1.25	20	21	14	10
4571	M10 x 1.25	25	21	14	25
MP4571	M10 x 1.25	25	21	14	10
4572	M10 x 1.25	30	21	14	25
MP4572	M10 x 1.25	30	21	14	10
4573	M10 x 1.25	35	21	14	25
MP4573	M10 x 1.25	35	21	14	10
4574	M10 x 1.25	40	21	14	25
MP4574	M10 x 1.25	40	21	14	10
4575	M10 x 1.25	45	21	14	25
MP4575	M10 x 1.25	45	21	14	10
4576	M10 x 1.25	50	21	14	25
MP4576	M10 x 1.25	50	21	14	10
4577	M10 x 1.25	60	21	14	25
MP4577	M10 x 1.25	60	21	14	10
4578	M10 x 1.25	70	21	14	25
MP4578	M10 x 1.25	70	21	14	10

Metric 10.9 Hex Flange Bolts

Small Head - ANSI Standard



- Class 10.9
- Heat treated alloy steel
- Duraplate finish protects against rust and corrosion
- IFI 536-10.9
- 150,800 P.S.I.
- Small hex across the flats
- For motorcycles, jet skis, boats

Part No.	Dia. x Pitch	Length (mm)	Across Flats (mm)	Unit
MP60611	M6 X 1.00	16	8	25
MP60612	M6 X 1.00	20	8	25
MP60613	M6 X 1.00	25	8	25
MP60614	M6 X 1.00	30	8	25
MP60615	M6 X 1.00	35	8	25
MP60616	M6 X 1.00	40	8	25
MP60617	M6 X 1.00	45	8	25
MP60618	M6 X 1.00	50	8	25

Part No.	Dia. x Pitch	Length (mm)	Across Flats (mm)	Unit
MP60619	M8 X 1.25	16	10	25
MP60620	M8 X 1.25	20	10	25
MP60621	M8 X 1.25	25	10	25
MP60622	M8 X 1.25	30	10	25

Part No.	Dia. x Pitch	Length (mm)	Across Flats (mm)	Unit
MP60623	M8 X 1.25	35	10	25
MP60624	M8 X 1.25	40	10	25
MP60625	M8 X 1.25	50	10	25

Part No.	Dia. x Pitch	Length (mm)	Across Flats (mm)	Unit
MP60626	M10 X 1.50	25	13	25
MP60627	M10 X 1.50	30	13	25
MP60628	M10 X 1.50	35	13	25
MP60629	M10 X 1.50	40	13	25
MP60630	M10 X 1.50	50	13	25

Part No.	Dia. x Pitch	Length (mm)	Across Flats (mm)	Unit
MP60631	M12 X 1.75	30	15	25
MP60632	M12 X 1.75	35	15	25
MP60633	M12 X 1.75	40	15	25
MP60634	M12 X 1.75	50	15	25

Metric Small Head Hex Flange Nuts



- Property Class 10
- Meets JIS B 1190 specifications
- Zinc plated
- Spin lock type flange

Part No.	Dia. x Pitch	Across Flats (mm)	Flange Dia. (mm)	Unit
CD551114	M4 X 0.70	7	10	100
CD551147	M5 X 0.80	8	11.2	100
4580	M6 x 1.0	10	13	50
4581	M8 x 1.25	12	17	50
4582	M10 x 1.25	14	19	50
CD551418	M12 X 1.75	19	24	25

+Canada only

8.8 Hex Head Cap Screws

Metric 8.8 Hex Head Cap Screws



- Meets ISO property class 8.8 specifications
- Medium carbon steel
- Multiple heat treated
- Zinc plated
- Standard thread or fine thread
- DIN 931 - partial thread
- DIN 933 - full thread
- For use with Bowman Flat Washers 43981 series, Lock Washers 42450 series, Hex Nuts 44183 series, Bowma-Grip Nuts 41769 series and Bowma-Grip Flange Nuts 41781 series

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
41999-1	M3 x 0.5	933	10	100
+41999-2	M3 x 0.5	933	12	100
+41999-3	M3 x 0.5	933	14	100
41999-4	M3 x 0.5	933	16	100
41999-5	M3 x 0.5	933	20	100
+41999-6	M3 x 0.5	933	25	100
+41999-7	M3 x 0.5	933	30	100

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42000	M4 x 0.7	933	8	50
42000-1	M4 x 0.7	933	10	50
42001	M4 x 0.7	933	12	50
42001-1	M4 x 0.7	933	14	50
42002	M4 x 0.7	933	16	50
42003	M4 x 0.7	933	20	50
42005	M4 x 0.7	933	25	50
42006	M4 x 0.7	933	30	50
42006-1	M4 x 0.7	933	35	50
42006-2	M4 x 0.7	933	40	50
42006-3	M4 x 0.7	933	45	50
42006-4	M4 x 0.7	933	50	50

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42007	M5 x 0.8	933	8	50
42008	M5 x 0.8	933	10	50
42009	M5 x 0.8	933	12	50
+42009-1	M5 x 0.8	933	14	100
42010	M5 x 0.8	933	16	50
42011	M5 x 0.8	933	20	50
42013	M5 x 0.8	933	25	50
42015	M5 x 0.8	933	30	50
42016	M5 x 0.8	933	35	50
42017	M5 x 0.8	933	40	50
MP42017	M5 x 0.8	933	40	25
42018	M5 x 0.8	933	45	50
42019	M5 x 0.8	933	50	50
42021	M5 x 0.8	931	60	50
42023	M5 x 0.8	931	70	50
+CD551195	M5 X 0.80	—	80	50

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42025	M6 x 1.0	933	8	50
42026	M6 x 1.0	933	10	50
42027	M6 x 1.0	933	12	50
42027-14	M6 x 1.0	933	14	50
42028	M6 x 1.0	933	16	50
42029	M6 x 1.0	933	18	50
42030	M6 x 1.0	933	20	50
42032	M6 x 1.0	933	25	50
MP42032	M6 x 1.0	933	25	25
42034	M6 x 1.0	933	30	50
MP42034	M6 x 1.0	933	30	25
42035	M6 x 1.0	933	35	50
MP42036	M6 x 1.0	933	35	25
42037	M6 x 1.0	933	40	50
MP42037	M6 x 1.0	933	40	25
42038	M6 x 1.0	931	45	50
MP42038	M6 x 1.0	931	45	25
42039	M6 x 1.0	931	50	50
MP42039	M6 x 1.0	931	50	25
CD9952	M6 x 1.0	931	55	25
42041	M6 x 1.0	931	60	50
MP42041	M6 x 1.0	931	60	25
CD9953	M6 x 1.0	931	65	25
42043	M6 x 1.0	931	70	50
MP42043	M6 x 1.0	931	70	25
42043-1	M6 x 1.0	931	75	100
42043-2	M6 x 1.0	931	80	25
42044	M6 x 1.0	931	90	25
42044-1	M6 x 1.0	931	100	25

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners

Continued from previous page

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42045	M7 x 1.0	933	12	50
MP42045	M7 x 1.0	933	12	25
42046	M7 x 1.0	933	16	50
MP42046	M7 x 1.0	933	16	25
42047	M7 x 1.0	933	20	50
MP42047	M7 x 1.0	933	20	25
42047-1	M7 x 1.0	933	25	50
MP42047-1	M7 x 1.0	933	25	25
42048	M7 x 1.0	933	30	50
MP42048	M7 x 1.0	933	30	25
42048-1	M7 x 1.0	933	35	50
MP42048-1	M7 x 1.0	933	35	25
42049	M7 x 1.0	933	40	50
MP42049	M7 x 1.0	933	40	25
42049-1	M7 x 1.0	933	45	50
MP42049-1	M7 x 1.0	933	45	25
42049-2	M7 x 1.0	933	50	50
MP42049-2	M7 x 1.0	933	50	10
C86208	M7 x 1.0	931	60	10
C86209	M7 x 1.0	931	70	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42050	M8 x 1.25	933	10	50
42051	M8 x 1.25	933	12	50
MP42051	M8 x 1.25	933	12	25
42051-14	M8 x 1.25	933	14	50
42052	M8 x 1.25	933	16	50
MP42052	M8 x 1.25	933	16	25
42053	M8 x 1.25	933	18	50
42054	M8 x 1.25	933	20	50
MP42054	M8 x 1.25	933	20	25
42055	M8 x 1.25	933	22	50
42056	M8 x 1.25	933	25	50
MP42056	M8 x 1.25	933	25	25
42058	M8 x 1.25	933	30	50
MP42058	M8 x 1.25	933	30	25
42060	M8 x 1.25	933	35	50
MP42060	M8 x 1.25	933	35	25
42061	M8 x 1.25	933	40	50
MP42061	M8 x 1.25	933	40	25
42062	M8 x 1.25	933	45	50
MP42062	M8 x 1.25	933	45	25
42063	M8 x 1.25	933	50	50
MP42063	M8 x 1.25	933	50	10
42064	M8 x 1.25	931	55	50
42065	M8 x 1.25	931	60	50
MP42065	M8 x 1.25	931	60	10
42066	M8 x 1.25	931	65	50
42067	M8 x 1.25	931	70	50
MP42067	M8 x 1.25	931	70	10
42068	M8 x 1.25	931	75	25
MP42068	M8 x 1.25	931	75	10
42069	M8 x 1.25	931	80	25
42070	M8 x 1.25	931	90	25
42071	M8 x 1.25	931	100	10
42071-1	M8 x 1.25	931	110	25
42072	M8 x 1.25	931	120	10
42074	M8 x 1.25	931	140	50
42074-2	M8 x 1.25	931	160	100

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42253	M8 x 1.0	933	10	50
MP42253	M8 x 1.0	933	10	25
MP79552	M8 x 1.0	933	16	25
42258	M8 x 1.0	933	20	50
MP42258	M8 x 1.0	933	20	25
42260	M8 x 1.0	933	25	50
MP42260	M8 x 1.0	933	25	25
42261	M8 x 1.0	933	30	50
MP42261	M8 x 1.0	933	30	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42262	M8 x 1.0	933	35	50
MP42262	M8 x 1.0	933	35	25
42265	M8 x 1.0	933	40	50
MP42265	M8 x 1.0	933	40	25
MP82047	M8 x 1.0	933	45	25
42267	M8 x 1.0	933	50	50
MP42267	M8 x 1.0	933	50	10
42268	M8 x 1.0	931	60	100
MP42268	M8 x 1.0	933	60	10
42269	M8 x 1.0	931	70	100
42270	M8 x 1.0	931	80	100

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42075	M10 x 1.5	933	16	50
MP42075	M10 x 1.5	933	16	25
42076	M10 x 1.5	933	20	50
MP42076	M10 x 1.5	933	20	25
42078	M10 x 1.5	933	25	50
MP42078	M10 x 1.5	933	25	25
42080	M10 x 1.5	933	30	50
MP42080	M10 x 1.5	933	30	25
42081	M10 x 1.5	933	35	50
MP42081	M10 x 1.50	933	35	10
42083	M10 x 1.5	933	40	50
MP42083	M10 x 1.5	933	40	10
42084	M10 x 1.5	931	45	50
MP42084	M10 x 1.50	931	45	10
42085	M10 x 1.5	931	50	50
MP42085	M10 x 1.5	931	50	10
42086	M10 x 1.5	931	55	50
MP42086	M10 x 1.50	931	55	10
42087	M10 x 1.5	931	60	50
MP42087	M10 x 1.5	931	60	10
42088	M10 x 1.5	931	65	50
MP42088	M10 x 1.50	931	65	10
42089	M10 x 1.5	931	70	50
MP42089	M10 x 1.5	931	70	10
42090	M10 x 1.5	931	75	50
MP42090	M10 x 1.50	931	75	10
42091	M10 x 1.5	931	80	25
MP42091	M10 x 1.5	931	80	10
42092	M10 x 1.5	931	85	25
42093	M10 x 1.5	931	90	25
MP42093	M10 x 1.50	931	90	10
42095	M10 x 1.5	931	100	25
MP42095	M10 x 1.50	931	100	10
C86214	M10 X 1.5	931	110	25
42097	M10 x 1.5	931	120	25
MP42097	M10 x 1.50	931	120	10
42098	M10 x 1.5	931	140	50
42098-1	M10 x 1.5	931	150	50

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42282	M10 x 1.0	933	20	50
MP42282	M10 x 1.0	933	20	10
42284	M10 x 1.0	933	25	50
MP42284	M10 x 1.0	933	25	10
42286	M10 x 1.0	933	30	50
MP42286	M10 x 1.0	933	30	10
42287	M10 x 1.0	933	35	50
MP42287	M10 x 1.0	933	35	10
42289	M10 x 1.0	933	40	50
MP42289	M10 x 1.0	933	40	10
MP82050	M10 x 1.0	931	45	25
42291	M10 x 1.0	931	50	50
MP42291	M10 x 1.0	931	50	10
MP82051	M10 x 1.0	931	55	25
42293	M10 x 1.0	931	60	50
MP82052	M10 x 1.0	931	70	10
MP82053	M10 x 1.0	931	80	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
MP79548	M12 x 1.75	933	16	25
42099	M12 x 1.75	933	20	50
MP42099	M12 x 1.75	933	20	25
42101	M12 x 1.75	933	25	50
MP42101	M12 x 1.75	933	25	25
42103	M12 x 1.75	933	30	50
MP42103	M12 x 1.75	933	30	25
42104	M12 x 1.75	933	35	50
MP42104	M12 x 1.75	933	35	10
42105	M12 x 1.75	933	40	50
MP42105	M12 x 1.75	933	40	10
42106	M12 x 1.75	933	45	50
MP42106	M12 x 1.75	933	45	10
42107	M12 x 1.75	933	50	25
MP42107	M12 x 1.75	933	50	10
42108	M12 x 1.75	931	55	25
MP42108	M12 x 1.75	931	55	10
42109	M12 x 1.75	931	60	25
MP42109	M12 x 1.75	931	60	10
42110	M12 x 1.75	931	65	25
MP42110	M12 x 1.75	931	65	10
42111	M12 x 1.75	931	70	25
MP42111	M12 x 1.75	931	70	10
42112	M12 x 1.75	931	75	25
MP42112	M12 x 1.75	931	75	10
42113	M12 x 1.75	931	80	25
MP42113	M12 x 1.75	931	80	10
42114	M12 x 1.75	931	85	50
42115	M12 x 1.75	931	90	25
MP42115	M12 x 1.75	931	90	10
42116	M12 x 1.75	931	100	10
42117	M12 x 1.75	931	110	10
42118	M12 x 1.75	931	120	10
C86221	M12 X 1.75	931	130	5
MP42002	M12 x 1.75	931	140	10
MP42003	M12 x 1.75	931	150	10
42122	M12 x 1.75	931	160	25
42124	M12 x 1.75	931	180	50
42126	M12 x 1.75	931	200	25
42127	M12 x 1.75	220	220	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42305	M12 x 1.5	933	20	25
MP42305	M12 x 1.5	933	20	10
42307	M12 x 1.5	933	25	25
MP42307	M12 x 1.5	933	25	10
42309	M12 x 1.5	933	30	25
MP42309	M12 x 1.5	933	30	10
42311	M12 x 1.5	933	35	25
MP42311	M12 x 1.5	933	35	10
42312	M12 x 1.5	933	40	25
MP42312	M12 x 1.5	933	40	10
42314	M12 x 1.5	933	50	25
MP42314	M12 x 1.5	933	50	5
C2315	M12 x 1.5	931	55	25
C30951	M12 x 1.5	931	60	5
42317	M12 x 1.5	931	65	25
MP42317	M12 x 1.5	931	65	10
C30962	M12 x 1.5	931	70	5
42319	M12 x 1.5	931	75	25
C30963	M12 x 1.5	931	80	5
42321	M12 x 1.5	931	90	25
42323	M12 x 1.5	931	100	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
C42254	M14 x 2.0	933	20	5
42304	M14 x 2.0	933	25	50
MP42184	M14 x 2.0	933	25	5
42185	M14 x 2.0	933	30	50
MP42185	M14 x 2.0	933	30	5
42186	M14 x 2.0	933	35	50

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
MP42136	M14 x 2.0	933	35	5
42137	M14 x 2.0	933	40	50
MP42137	M14 x 2.0	933	40	5
C28120	M14 x 2.0	933	45	5
42139	M14 x 2.0	931	50	25
MP42139	M14 x 2.0	931	50	5
C28122	M14 x 2.0	931	55	5
42141	M14 x 2.0	931	60	25
MP42141	M14 x 2.0	931	60	5
42142	M14 x 2.0	931	65	25
42143	M14 x 2.0	931	70	25
MP42143	M14 x 2.0	931	70	5
42144	M14 x 2.0	931	75	25
42145	M14 x 2.0	931	80	25
MP42145	M14 x 2.0	931	80	5
42147	M14 x 2.0	931	90	25
42149	M14 x 2.0	931	100	10
42151	M14 x 2.0	931	110	10
42153	M14 x 2.0	931	120	10
C86224	M14 X 2.0	931	130	5
✠42155	M14 x 2.0	931	140	25
✠42156	M14 x 2.0	931	150	10
✠42157	M14 x 2.0	931	160	10
✠42158	M14 x 2.0	931	180	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✠C30964	M14 x 1.5	933	25	5
42327	M14 x 1.5	933	30	50
MP42327	M14 x 1.5	933	30	5
42328	M14 x 1.5	933	35	50
MP42328	M14 x 1.5	933	35	5
42329	M14 x 1.5	933	40	50
MP42329	M14 x 1.5	933	40	5
✠42329-1	M14 x 1.5	933	45	50
C30968	M14 x 1.5	931	50	5
✠C30969	M14 x 1.5	931	55	5
C30970	M14 x 1.5	931	60	5
C30971	M14 x 1.5	931	70	5
42329-6	M14 x 1.5	931	75	50
C30972	M14 x 1.5	931	80	5
C30973	M14 x 1.5	931	90	5
C18949	M14 X 1.5	931	100	5
✠42329-10	M14 x 1.5	931	120	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✠42161	M16 x 2.0	933	20	50
42165	M16 x 2.0	933	25	25
42166	M16 x 2.0	933	30	25
MP42166	M16 x 2.0	933	30	5
42167	M16 x 2.0	933	35	25
42168	M16 x 2.0	933	40	25
MP42168	M16 x 2.0	933	40	5
42169	M16 x 2.0	933	45	25
42170	M16 x 2.0	931	50	25
MP42170	M16 x 2.0	931	50	5
42171	M16 x 2.0	931	55	25
42172	M16 x 2.0	931	60	25
MP42172	M16 x 2.0	931	60	5
42173	M16 x 2.0	931	65	25
42174	M16 x 2.0	931	70	10
MP75039	M16 x 2.0	931	75	15
42176	M16 x 2.0	931	80	10
✠42177	M16 x 2.0	931	85	25
C86232	M16 x 2.0	931	90	5
42179	M16 x 2.0	931	100	5
C86234	M16 X 2.0	931	110	5
C25235	M16 X 2.0	931	120	5
42183	M16 x 2.0	931	130	5
42184	M16 x 2.0	931	140	5
42185	M16 x 2.0	931	150	5
✠42185-1	M16 x 2.0	931	160	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✠42186-1	M16 x 2.0	931	180	10
✠42186-2	M16 x 2.0	931	200	25
✠42186-2A	M16 x 2.0	931	220	25
✠42186-2C	M16 x 2.0	931	260	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
MP62030	M16 x 1.5	933	30	10
MP62031	M16 x 1.5	933	35	10
MP62033	M16 x 1.5	931	45	10
C752991	M16 x 1.5	931	50	5
C752992	M16 x 1.5	931	60	5
MP62036	M16 x 1.5	931	70	10
✠42186-2F	M16 x 1.5	931	80	50
✠42186-2G	M16 x 1.5	931	90	50
✠42186-2H	M16 x 1.5	931	100	50

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42186-3	M18 x 2.5	933	30	5
✠42186-4	M18 x 2.5	933	35	25
42187	M18 x 2.5	933	40	5
✠42187-1	M18 x 2.5	933	45	50
42188	M18 x 2.5	933	50	5
42190	M18 x 2.5	933	60	5
42191	M18 x 2.5	931	65	5
42192	M18 x 2.5	931	70	5
42193	M18 x 2.5	931	75	3
42194	M18 x 2.5	931	80	3
42195	M18 x 2.5	931	90	3
42196	M18 x 2.5	931	100	3
42197	M18 x 2.5	931	110	3
42198	M18 x 2.5	931	120	3
42199	M18 x 2.5	931	130	3

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✠42202	M18 x 1.5	933	40	50
✠42202-1	M18 x 1.5	933	50	50
✠42202-2	M18 x 1.5	933	60	25
✠42202-3	M18 x 1.5	933	70	25
✠42202-4	M18 x 1.5	933	80	25
✠42202-5	M18 x 1.5	933	100	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✠42203	M20 x 2.5	933	25	50
42204	M20 x 2.5	933	30	5
✠42204-1	M20 x 2.5	933	35	25
42205	M20 x 2.5	933	40	5
✠42205-1	M20 x 2.5	933	45	50
42206	M20 x 2.5	933	50	5
42207	M20 x 2.5	933	55	5
42208	M20 x 2.5	933	60	5
42209	M20 x 2.5	933	65	5
42210	M20 x 2.5	931	70	5
42211	M20 x 2.5	931	75	5
42212	M20 x 2.5	931	80	5
42213	M20 x 2.5	931	90	5
42214	M20 x 2.5	931	100	3
42215	M20 x 2.5	931	110	3
42216	M20 x 2.5	931	120	3
42217	M20 x 2.5	931	130	3
MP62029	M20 x 2.5	931	140	10
✠42219	M20 x 2.5	931	150	25
✠42220	M20 x 2.5	931	160	10
✠42220-2	M20 x 2.5	931	180	25
✠42223	M20 x 2.5	931	240	25
✠42223-2	M20 x 2.5	931	260	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✠42223-4	M20 x 1.5	933	40	25
✠42223-5	M20 x 1.5	933	50	25
✠42223-6	M20 x 1.5	933	60	25
✠42223-7	M20 x 1.5	933	70	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✠42223-8	M20 x 1.5	933	80	25
✠42223-10	M20 x 1.5	933	100	10
✠42223-12	M20 x 1.5	933	120	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✠42223-17	M22 x 2.5	933	50	25
✠42224	M22 x 2.5	933	60	25
✠42226	M22 x 2.5	931	100	25
✠42227	M22 x 2.5	931	120	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✠42227-7	M24 x 3.0	933	40	10
MP69992	M24 x 3.0	933	50	10
✠42227-9	M24 x 3.0	933	55	25
42228	M24 x 3.0	933	60	5
42228-1	M24 x 3.0	933	70	5
✠42228-2	M24 x 3.0	933	75	10
42229	M24 x 3.0	931	80	5
42229-1	M24 x 3.0	931	90	5
42230	M24 x 3.0	931	100	3
✠42230-1	M24 x 3.0	931	110	3
✠MP69996	M24 x 3.0	931	120	10
42231-1	M24 x 3.0	931	130	3
42232	M24 x 3.0	931	140	3
✠42232-2	M24 x 3.0	931	160	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42241	M30 x 3.5	933	70	5
42242	M30 x 3.5	933	80	5
42243	M30 x 3.5	931	90	5
42244	M30 x 3.5	931	100	3
42245	M30 x 3.5	931	110	3
✠42246	M30 x 3.5	931	120	3
✠42251-1	M30 x 3.5	931	200	10
✠42251-3	M30 x 3.5	931	240	10

Non stock items are furnished non-plated.
✦Canada only

Metric 8.8 Hex Head Cap Screws

Canada Only

- Class 8, 116,000 PSI tensile strength
- DIN 933, full thread, coarse
- DIN 931, partial thread, course
- DIN 961, full thread, fine
- DIN 960, partial thread, fine
- Plain finish

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✦CD557632	M4 X 0.70	933	10	50
✦CD557633	M4 X 0.70	933	12	50
✦CD557634	M4 X 0.70	933	16	50

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✦CD557629	M5 X 0.80	933	10	50
✦CD557631	M5 X 0.80	933	12	50
✦CD557632	M5 X 0.80	933	16	50
✦CD557628	M5 X 0.80	933	20	50
✦CD557634	M5 X 0.80	931	25	50
✦CD557635	M5 X 0.80	931	30	50
✦CD557637	M5 X 0.80	931	40	50

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
✦CD557642	M6 X 1.00	933	10	25
✦CD557643	M6 X 1.00	933	12	25
✦CD557645	M6 X 1.00	933	16	25
✦CD557647	M6 X 1.00	933	20	25
✦CD557648	M6 X 1.00	933	25	25
✦CD557649	M6 X 1.00	931	30	25
✦CD557650	M6 X 1.00	931	35	25
✦CD557651	M6 X 1.00	931	40	25
✦CD557652	M6 X 1.00	931	45	25

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557658	M6 X 1.00	931	50	25
*CD557654	M6 X 1.00	931	60	25
*CD557657	M6 X 1.00	931	80	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557660	M8X 1.25	933	16	25
*CD557670	M8 X 1.25	933	20	25
*CD557672	M8 X 1.25	933	25	25
*CD557673	M8 X 1.25	933	30	25
*CD557674	M8 X 1.25	931	35	25
*CD557675	M8 X 1.25	931	40	25
*CD557676	M8 X 1.25	931	45	25
*CD557677	M8 X 1.25	931	50	25
*CD557679	M8 X 1.25	931	60	25
*CD557681	M8 X 1.25	931	70	25
*CD557682	M8 X 1.25	931	75	25
*CD557683	M8 X 1.25	931	80	25
*CD557684	M8 X 1.25	931	90	10
*CD557685	M8 X 1.25	931	100	10
*CD557687	M8 X 1.25	931	120	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557541	M8 X 1.00	961	10	25
*CD557543	M8 X 1.00	961	20	25
*CD557545	M8 X 1.00	961	30	25
*CD557547	M8 X 1.00	960	40	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557690	M10 X 1.50	933	16	25
*CD557691	M10 X 1.50	933	20	25
*CD557692	M10 X 1.50	933	25	25
*CD557693	M10 X 1.50	933	30	25
*CD557694	M10 X 1.50	933	35	25
*CD557695	M10 X 1.50	933	40	25
*CD557696	M10 X 1.50	931	45	25
*CD557697	M10 X 1.50	931	50	25
*CD557699	M10 X 1.50	931	60	25
*CD557701	M10 X 1.50	931	70	25
*CD557703	M10 X 1.50	931	80	25
*CD557705	M10 X 1.50	931	100	10
*CD557707	M10 X 1.50	931	120	10
*CD557708	M10 X 1.50	931	140	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557552	M10 X 1.00	961	16	25
*CD557554	M10 X 1.00	961	25	25
*CD557556	M10 X 1.50	961	30	25
*CD557551	M10 X 1.25	961	20	25
*CD557553	M10 X 1.25	961	25	25
*CD557555	M10 X 1.25	961	30	25
*CD557557	M10 X 1.25	961	35	25
*CD557558	M10 X 1.25	960	40	25
*CD557559	M10 X 1.25	960	50	25
*CD557564	M10 X 1.25	960	70	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557710	M12 X 1.75	933	20	25
*CD557711	M12 X 1.75	933	25	25
*CD557712	M12 X 1.75	933	30	25
*CD557713	M12 X 1.75	933	35	25
*CD557714	M12 X 1.75	933	40	25
*CD557715	M12 X 1.75	931	45	25
*CD557716	M12 X 1.75	931	50	25
*CD557718	M12 X 1.75	931	60	25
*CD557720	M12 X 1.75	931	70	25
*CD557721	M12 X 1.75	931	75	25
*CD557722	M12 X 1.75	931	80	25
*CD557723	M12 X 1.75	931	85	10
*CD557725	M12 X 1.75	931	100	10
*CD557726	M12 X 1.75	931	110	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557568	M12 X 1.25	961	25	25
*CD557570	M12 X 1.25	961	30	25
*CD557574	M12 X 1.25	961	50	10
*CD557566	M12 X 1.50	961	20	25
*CD557569	M12 X 1.50	961	30	25
*CD557571	M12 X 1.50	961	40	25
*CD557572	M12 X 1.50	961	45	25
*CD557573	M12 X 1.50	960	50	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557729	M14 X 2.00	933	30	25
*CD557730	M14 X 2.00	933	35	25
*CD557731	M14 X 2.00	933	40	25
*CD557732	M14 X 2.00	933	45	25
*CD557734	M14 X 2.00	931	50	25
*CD557735	M14 X 2.00	931	60	25
*CD557737	M14 X 2.00	931	70	25
*CD557739	M14 X 2.00	931	90	10
*CD557740	M14 X 2.00	931	100	10
*CD557741	M14 X 2.00	931	110	10
*CD557742	M14 X 2.00	931	120	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557584	M14 X 1.50	961	30	10
*CD557585	M14 X 1.50	961	35	10
*CD557586	M14 X 1.50	961	40	10
*CD557588	M14 X 1.50	960	50	10
*CD557591	M14 X 1.50	960	80	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557744	M16 X 2.00	933	30	10
*CD557745	M16 X 2.00	933	35	10
*CD557746	M16 X 2.00	933	40	10
*CD557747	M16 X 2.00	933	50	10
*CD557748	M16 X 2.00	931	55	10
*CD557749	M16 X 2.00	931	60	10
*CD557751	M16 X 2.00	931	70	10
*CD557753	M16 X 2.00	931	80	10
*CD557754	M16 X 2.00	931	90	10
*CD557755	M16 X 2.00	931	100	10
*CD557756	M16 X 2.00	931	110	10
*CD557757	M16 X 2.00	931	130	10
*CD557758	M16 X 2.00	931	150	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD562217	M16 X 1.50	961	40	10
*CD562252	M16 X 1.50	960	50	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557759	M20 X 2.50	933	40	10
*CD557760	M20 X 2.50	933	45	10
*CD557761	M20 X 2.50	933	50	10
*CD557763	M20 X 2.50	933	60	10
*CD557764	M20 X 2.50	931	70	10
*CD557765	M20 X 2.50	931	80	10
*CD557766	M20 X 2.50	931	90	10
*CD557767	M20 X 2.50	931	10	5
*CD557768	M20 X 2.50	931	120	5

*Canada only

Metric Hex Nuts - Course - Plain Finish

Canada Only



- Class 8
- DIN 934
- For use with Class 8.8 fasteners

Part No.	Dia. (mm)	Thread Pitch	Unit
*CD557602	4	0.70	100
*CD557604	5	.080	100
*CD557605	6	1.00	100
*CD557606	7	1.00	100
*CD557607	8	1.25	100
*CD557608	10	1.50	50
*CD557609	12	1.75	50
*CD557610	14	2.00	50
*CD557611	16	2.00	25
*CD557613	20	2.50	25
*CD557614	24	3.00	25

*Canada only

Metric Hex Nuts - Fine - Plain Finish

Canada Only



- Class 8
- DIN 934
- For use with Class 8.8 fasteners

Part No.	Dia. (mm)	Thread Pitch	Unit
*CD557581	8	1.00	100
*CD557582	10	1.25	100
*CD557583	12	1.50	50
*CD557475	14	1.50	50
*CD562209	16	1.50	50

*Canada only

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric 8.8 Hex Head Cap Screws

Japanese fine thread pitch



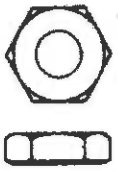
- Medium carbon steel
- For use with:
  Bowman Flat Washers 43981 series
  Bowman Hex Nuts 42415-1 series
- Zinc plated

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42350	M10 x 1.25	933	20	50
MP42350	M10 x 1.25	933	20	10
42351	M10 x 1.25	933	25	50
MP42351	M10 x 1.25	933	25	10
42352	M10 x 1.25	933	30	50
MP42352	M10 x 1.25	933	30	10
42353	M10 x 1.25	933	35	50
MP42353	M10 x 1.25	933	35	10
42354	M10 x 1.25	933	40	50
MP42354	M10 x 1.25	933	40	10
MP42355	M10 x 1.25	933	45	25
42356	M10 x 1.25	933	50	50
MP42356	M10 x 1.25	933	50	10
42357	M10 x 1.25	933	55	100
42358	M10 x 1.25	931	60	50
MP42358	M10 x 1.25	931	60	10
C30974	M10 x 1.25	931	65	10
C30975	M10 x 1.25	931	70	10
C30976	M10 x 1.25	931	80	5
C30977	M10 x 1.25	931	90	5
C30978	M10 x 1.25	931	100	100

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
MP78936	M12 x 1.25	933	20	25
42340	M12 x 1.25	933	25	50
MP42340	M12 x 1.25	933	25	10
C30979	M12 x 1.25	933	30	10
42342	M12 x 1.25	933	35	50
MP42342	M12 x 1.25	933	35	10
C35817	M12 x 1.25	933	40	10
42344	M12 x 1.25	933	45	50
42345	M12 x 1.25	931	50	25
MP42345	M12 x 1.25	931	50	5
C30980	M12 x 1.25	931	55	5
C30981	M12 x 1.25	931	60	5
C30982	M12 x 1.25	931	65	5
C30983	M12 x 1.25	931	70	5
C30984	M12 x 1.25	931	75	5
C30985	M12 x 1.25	931	80	5
C30986	M12 x 1.25	931	90	5
42350	M12 x 1.25	931	100	50
42351	M12 x 1.25	931	120	25

Non-stock items furnished non-plated.

Metric Hex Nuts



- Meets DIN 934 and ISO property class 8 specifications
- Low carbon steel
- Zinc plated
- For use with Property Class 8.8, 5.8 and 4.8 bolts, screws and studs

Standard Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
42429†	M2 x 0.4	5	1.2	100
42431†	M2.5 x 0.45	5	2	100
42432†	M3 x 0.50	5.5	2.4	100
42402	M4 x 0.70	7	3.2	50
42401	M5 x 0.80	8	4	50
42402	M6 x 1.00	10	5	50
42403	M7 x 1.00	11	5.5	50
42404	M8 x 1.25	13	6.5	50
42405	M10 x 1.50	17	8	50
MP42405	M10 x 1.50	17	8	25
42406	M12 x 1.75	19	10	50
MP42406	M12 x 1.75	19	10	25
42407	M14 x 2.00	22	11	25
42408	M16 x 2.00	24	13	25
MP42408	M16 x 2.0	24	13	10
42409-18	M18 x 2.50	27	15	25
MP42409-18	M18 x 2.5	27	15	10
42409-20	M20 x 2.50	30	16	25
MP42409-20	M20 X 2.5	30	16	10
42410	M22 x 2.50	32	18	100
42411	M24 x 3.00	36	19	25
42413	M30 x 3.50	46	24	25

† Class 6 Specifications

Fine Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
42414	M8 x 1.00	13	6.5	50
C18951	M10 x 1.25	17	8	25
42416	M12 x 1.50	19	10	25
C23356	M14 x 1.50	22	11	25
C762124	M16 x 1.50	24	13	10
MP82750	M20 X 1.5	30	16	50

Extra Fine Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
42415	M10 x 1.00	17	8	50
MP42415	M10 x 1.00	17	8	25
C18954	M12 x 1.25	19	10	25

Metric 8.8 Hex Nuts

Japanese Fine Thread Pitch



- Medium carbon steel
- For use with 8.8 Japanese hex head cap screws
- Zinc plated

Part No.	Dia. x Pitch	Unit
42415-1	M10 x 1.25	50
42416-5	M12 x 1.25	50

Metric Through-Hardened Flat Washers



- Meets to ANSI B18.22M specifications
- Medium carbon steel
- Zinc plated
- For use with 12.9, 10.9, 9.8 and 8.8 property class fasteners

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
C25041	M4	4.3	9	0.80	100
C25042	M5	5.3	10	1.00	100
43931	M6	6.4	12.50	1.6	1 lb.
MP43981	M6	6.4	12.50	1.6	100
C25043	M7	7.4	14	1.6	100
43983	M8	8.4	17	1.6	1 lb.
MP43983	M8	8.4	17	1.6	100
43984	M10	10.5	21	2	1 lb.
MP43984	M10	10.5	21	2	100
43985	M12	13	24	2.50	1 lb.
MP43985	M12	13	24	2.50	50
43986	M14	15	28	2.50	1 lb.
MP43986	M14	15	28	2.50	50
43987	M16	17	30	3	1 lb.
MP43987	M16	17	30	3	25
C99634	M18	19	34	3	10
43989	M20	21	37	3	1 lb.
MP43989	M20	21	37	3	25
43990	M24	25	44	4	1 lb.
MP43990	M24	25	44	4	10

1 lb. — Pieces Conversion

- Approximate number of pieces per pound

Part No.	Pieces
C8731	435
43983	150
43984	145
43985	70
43986	58
43987	35
43989	21
43990	15

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners

Metric Lock Washers

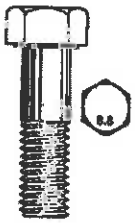


- Meets DIN 127B specifications
- Spring steel
- Heat treated
- Zinc plated
- Non-linking
- For use with 12.9, 10.9 and 8.8 fasteners

Part No.	Bolt Size	Unit
C39910	M3	100
42450	M4	200
MP42450	M4	100
42451	M5	200
MP42451	M5	100
42452	M6	200
MP42452	M6	100
42453	M7	200
MP42453	M7	100
42454	M8	200
MP42454	M8	100
42455	M10	100
MP42455	M10	50
42456	M12	100
MP42456	M12	50
42457	M14	100
MP42457	M14	50
42458-16	M16	100
MP42458-16	M16	50
42458-18	M18	50
42458-20	M20	50
MP42458-20	M20	25
42459-1	M24	50
MP42459-1	M24	25

8.8 Small Head Cap Screws

Metric 8.8 Small Head Hex Cap Screws



- Meets JIS B1180-7 specifications
- Zinc chromate plated

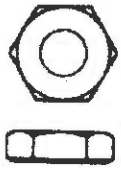
Part No.	Dia. x Pitch	Thread	Length (mm)	Across Flats (mm)	Unit
C87871	M8 x 1.25	933	12	12	50
4501	M8 x 1.25	933	16	12	50
4502	M8 x 1.25	933	20	12	50
4503	M8 x 1.25	933	25	12	50
4504	M8 x 1.25	933	30	12	50
4505	M8 x 1.25	933	35	12	50
4506	M8 x 1.25	933	40	12	50
C87879	M8 x 1.25	933	45	12	50
4508	M8 x 1.25	931	50	12	50
C87881	M8 x 1.25	931	55	12	10
C87882	M8 x 1.25	931	60	12	25
C87883	M8 x 1.25	931	70	12	25
C87886	M8 x 1.25	931	80	12	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Across Flats (mm)	Unit
4520	M10 x 1.25	933	20	14	50
MP4520	M10 x 1.25	933	20	14	25
4521	M10 x 1.25	933	25	14	50
MP4521	M10 x 1.25	933	25	14	25
4522	M10 x 1.25	933	30	14	50
MP4522	M10 x 1.25	933	30	14	25
4523	M10 x 1.25	933	35	14	50
MP4523	M10 x 1.25	933	35	14	25
4524	M10 x 1.25	933	40	14	50
MP4524	M10 x 1.25	933	40	14	25
4525	M10 x 1.25	933	45	14	50
MP4525	M10 x 1.25	933	45	14	25
4526	M10 x 1.25	933	50	14	50
MP4526	M10 x 1.25	933	50	14	25
C87874	M10 x 1.25	933	55	14	10
4528	M10 x 1.25	931	60	14	50
MP4528	M10 x 1.25	931	60	14	25
C87877	M10 x 1.25	931	70	14	25
C87899	M10 x 1.25	931	80	14	25
C87904	M10 x 1.25	931	90	14	25
C87905	M10 x 1.25	931	100	14	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Across Flats (mm)	Unit
4540	M12 x 1.25	933	20	17	50
MP4540	M12 x 1.25	933	20	17	25
4541	M12 x 1.25	933	25	17	50
MP4541	M12 x 1.25	933	25	17	25
4542	M12 x 1.25	933	30	17	50
MP4542	M12 x 1.25	933	30	17	25
4543	M12 x 1.25	933	40	17	50
C87905	M12 x 1.25	933	40	17	25
4544	M12 x 1.25	931	50	17	50
MP4544	M12 x 1.25	931	50	17	25
C87908	M12 x 1.25	931	60	17	25
C87909	M12 x 1.25	931	70	17	10
C87910	M12 x 1.25	931	80	17	10
C87911	M12 x 1.25	931	90	17	10
C87912	M12 x 1.25	931	100	17	10

Metric 8.8 Hex Nuts

For Japanese Small Head Cap Screws



- Meets JIS B 1181 specifications
- For awkward applications where small diameter hex is needed
- Use with part numbers 4501 through 4547

Part No.	Dia. x Pitch	Across Flats (mm)	Unit
4548	M8 x 1.25	12	100
MP4548	M8 x 1.25	12	50
4549	M10 x 1.25	14	100
MP4549	M10 x 1.25	14	50
4550	M12 x 1.25	17	100
MP4550	M12 x 1.25	17	50

Metric Through-Hardened Flat Washers



- Meets to ANSI B18.22M specifications
- Medium carbon steel
- Zinc plated
- For use with 12.9, 10.9, 9.8 and 8.8 property class fasteners

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
C25041	M4	4.3	9	0.80	100
C25042	M5	5.3	10	1.00	100
43961	M6	6.4	12.50	1.6	1 lb.
MP42961	M6	6.4	12.50	1.6	100
C25043	M7	7.4	14	1.6	100
43963	M8	8.4	17	1.6	1 lb.
MP43963	M8	8.4	17	1.6	100
43964	M10	10.5	21	2	1 lb.
MP42964	M10	10.5	21	2	100
43965	M12	13	24	2.50	1 lb.
MP43965	M12	13	24	2.50	50
43966	M14	15	28	2.50	1 lb.
MP43966	M14	15	28	2.50	50
43967	M16	17	30	3	1 lb.
MP43967	M16	17	30	3	25
C40234	M18	19	34	3	10
43969	M20	21	37	3	1 lb.
MP43969	M20	21	37	3	25
43970	M24	25	44	4	1 lb.
MP43490	M24	25	44	4	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Socket Screws

Metric 12.9 Socket Head Cap Screws



- Meets ISO 4762 specifications
- Medium carbon alloy steel
- Through-hardened
- 1220 N/mm² minimum tensile strength (176,948 psi minimum)
- Non-plated
- Standard thread pitch

Part No.	Dia. x Pitch	Length (mm)	Unit
42704	M3 x 0.5	4	50
42704-1	M3 x 0.5	5	50
42704-2	M3 x 0.5	6	50
42704-3	M3 x 0.5	8	50
42704-4	M3 x 0.5	10	50
42705	M3 x 0.5	12	50
42705-1	M3 x 0.5	14	50
42705-2	M3 x 0.5	16	50
[illegible]42705-3	M3 x 0.5	18	100
42705-4	M3 x 0.5	20	50
42706	M3 x 0.5	25	50
42706-1	M3 x 0.5	30	50
42706-2	M3 x 0.5	35	50
[illegible]42706-3	M3 x 0.5	40	100
[illegible]42706-4	M3 x 0.5	45	100
[illegible]42706-5	M3 x 0.5	50	100

Part No.	Dia. x Pitch	Length (mm)	Unit
C755[illegible]	M4 x 0.7	5	50
42707	M4 x 0.7	6	50
42708	M4 x 0.7	8	50
42709	M4 x 0.7	10	50
42710	M4 x 0.7	12	50
42710-1	M4 x 0.7	14	50
42712	M4 x 0.7	16	50
42712-1	M4 x 0.7	18	50
42713	M4 x 0.7	20	50
42714	M4 x 0.7	25	50
42715	M4 x 0.7	30	50
42716	M4 x 0.7	35	50
42717	M4 x 0.7	40	50
42718	M4 x 0.7	45	50
42718-1	M4 x 0.7	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
42719	M5 x 0.8	8	50
42720	M5 x 0.8	10	50
42721	M5 x 0.8	12	50
42722	M5 x 0.8	14	50
42723	M5 x 0.8	16	50
42723-1	M5 x 0.8	18	50
42724	M5 x 0.8	20	50
42725	M5 x 0.8	25	50
42726	M5 x 0.8	30	50
42727	M5 x 0.8	35	50
42728	M5 x 0.8	40	50
42728-1	M5 x 0.8	45	50
42729	M5 x 0.8	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
42729-1	M5 x 0.8	55	50
42729-2	M5 x 0.8	60	50
42729-3	M5 x 0.8	70	50
42729-4	M5 x 0.8	80	50

Part No.	Dia. x Pitch	Length (mm)	Unit
42730	M6 x 1.0	8	50
42732	M6 x 1.0	10	50
42733	M6 x 1.0	12	50
42734	M6 x 1.0	14	50
42735	M6 x 1.0	16	50
42735-1	M6 x 1.0	18	50
42736	M6 x 1.0	20	50
42738	M6 x 1.0	25	50
42739	M6 x 1.0	30	50
MP42739	M6 x 1.0	30	25
42740	M6 x 1.0	35	50
42741	M6 x 1.0	40	50
MP42741	M6 x 1.0	40	25
42742	M6 x 1.0	45	50
MP42742	M6 x 1.0	45	25
42743	M6 x 1.0	50	50
MP42743	M6 x 1.0	50	25
C90[illegible]92	M6 x 1.0	55	25
42745	M6 x 1.0	60	50
MP42745	M6 x 1.0	60	25
42745-1	M6 x 1.0	65	50
MP42745-1	M6 x 1.0	65	25
42745-2	M6 x 1.0	70	50
MP42745-2	M6 x 1.0	70	25
42745-7	M6 x 1.0	75	50
MP42745-7	M6 x 1.0	75	25
42745-3	M6 x 1.0	80	25
42745-4	M6 x 1.0	90	25
42745-5	M6 x 1.0	100	25
42745-6	M6 x 1.0	110	25

Part No.	Dia. x Pitch	Length (mm)	Unit
42746	M8 x 1.25	12	50
MP42746	M8 x 1.25	12	25
42746-1	M8 x 1.25	14	50
42747	M8 x 1.25	16	50
MP42747	M8 x 1.25	16	25
C755250	M8 x 1.25	18	50
42749	M8 x 1.25	20	50
MP42749	M8 x 1.25	20	25
42751	M8 x 1.25	25	50
MP42751	M8 x 1.25	25	25
42752	M8 x 1.25	30	50
MP42752	M8 x 1.25	30	25
42753	M8 x 1.25	35	50
42754	M8 x 1.25	40	50
MP42754	M8 x 1.25	40	25
42755	M8 x 1.25	45	50
MP42755	M8 x 1.25	45	25
42756	M8 x 1.25	50	50
MP42756	M8 x 1.25	50	25
42756-1	M8 x 1.25	55	50
MP42756-1	M8 x 1.25	55	25
42757	M8 x 1.25	60	50
MP42757	M8 x 1.25	60	25
42757-1	M8 x 1.25	65	50
42758	M8 x 1.25	70	50
MP42758	M8 x 1.25	70	25
42758-1	M8 x 1.25	75	50
MP42758-1	M8 x 1.25	75	25
42759	M8 x 1.25	80	50
MP42759	M8 x 1.25	80	25
42759-1	M8 x 1.25	90	25
42759-2	M8 x 1.25	100	25
[illegible]42760-3	M8 x 1.25	140	50

Part No.	Dia. x Pitch	Length (mm)	Unit
[illegible]42761-1	M8 x 1.25	160	50
[illegible]42761-2	M8 x 1.25	180	50
[illegible]42761-3	M8 x 1.25	200	50

Part No.	Dia. x Pitch	Length (mm)	Unit
42762	M10 x 1.5	16	50
42763	M10 x 1.5	20	50
MP42763	M10 x 1.5	20	25
42765	M10 x 1.5	25	50
MP42765	M10 x 1.5	25	25
42766	M10 x 1.5	30	50
MP42766	M10 x 1.5	30	25
42767	M10 x 1.5	35	50
MP42767	M10 x 1.5	35	10
42768	M10 x 1.5	40	50
MP42768	M10 x 1.5	40	10
42769	M10 x 1.5	45	50
42770	M10 x 1.5	50	50
MP42770	M10 x 1.5	50	10
42770-1	M10 x 1.5	55	50
42771	M10 x 1.5	60	50
MP42771	M10 x 1.50	60	10
42771-1	M10 x 1.5	65	50
42772	M10 x 1.5	70	50
MP42772	M10 x 1.50	70	10
42772-1	M10 x 1.5	75	50
42773	M10 x 1.5	80	50
MP42773	M10 x 1.50	80	10
42774	M10 x 1.5	90	25
MP42774	M10 x 1.50	90	10
42774-1	M10 x 1.5	100	25
42775	M10 x 1.5	110	10
42775-1	M10 x 1.5	120	10
[illegible]42776	M10 x 1.5	130	50
[illegible]42776-1	M10 x 1.5	140	50

Part No.	Dia. x Pitch	Length (mm)	Unit
42779	M12 x 1.75	20	25
MP42779	M12 x 1.75	20	10
42780	M12 x 1.75	25	25
MP42780	M12 x 1.75	25	10
42781	M12 x 1.75	30	25
MP42781	M12 x 1.75	30	10
42782	M12 x 1.75	35	25
42783	M12 x 1.75	40	25
MP42783	M12 x 1.75	40	10
42784	M12 x 1.75	45	25
42785	M12 x 1.75	50	25
MP42785	M12 x 1.75	50	5
42786	M12 x 1.75	55	25
42787	M12 x 1.75	60	25
MP42787	M12 x 1.75	60	5
42787-1	M12 x 1.75	65	25
42788	M12 x 1.75	70	25
MP42788	M12 x 1.75	70	5
42789	M12 x 1.75	75	25
42790	M12 x 1.75	80	25
MP42790	M12 x 1.75	80	5
42791	M12 x 1.75	90	25
42792	M12 x 1.75	100	25
42793	M12 x 1.75	110	10
42793-1	M12 x 1.75	120	10
[illegible]42793-3	M12 x 1.75	140	50

Part No.	Dia. x Pitch	Length (mm)	Unit
C90[illegible]9	M14 x 2.0	25	5
42795	M14 x 2.0	30	25
C[illegible]085	M14 x 2.0	35	5
42795-1	M14 x 2.0	40	25
[illegible]CB551485	M14 X 2.00	45	25
42795-2	M14 x 2.0	50	25
[illegible]CB551486	M14 X 2.00	55	25

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners

Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	Unit
42795-3	M14 x 2.0	60	25
[illegible]42795-3	M14 x 2.0	60	5
42796	M14 x 2.0	70	25
42796-1	M14 x 2.0	80	25
‡42796-2	M14 x 2.0	90	25
42795-3	M14 x 2.0	100	25
‡42796-4	M14 x 2.0	110	25
‡42796-5	M14 x 2.0	120	25

Part No.	Dia. x Pitch	Length (mm)	Unit
◆C0551501	M16 X 2.00	25	25
C90708	M16 x 2.0	30	5
[illegible]2152	M16 x 2.0	35	10
42797	M16 x 2.0	40	10
[illegible]2154	M16 x 2.0	45	10
◆C0551507	M16 X 2.00	65	25
◆C0551508	M16 X 2.00	75	25
42797-1	M16 x 2.0	50	10
42797-2	M16 x 2.0	60	10
42797-3	M16 x 2.0	70	10
42798	M16 x 2.0	80	10
42798-1	M16 x 2.0	90	10
42798-2	M16 x 2.0	100	10
‡42796-21/2	M16 x 2.0	110	25
42798-3	M16 x 2.0	120	10
‡42798-4	M16 x 2.0	130	25
‡42798-5	M16 x 2.0	140	25

Part No.	Dia. x Pitch	Length (mm)	Unit
‡42795-10	M18 x 2.5	50	50
‡42799	M18 x 2.5	40	25
‡42799-1	M18 x 2.5	50	25
‡42799-2	M18 x 2.5	60	25
‡42799-3	M18 x 2.5	70	25
‡42800	M18 x 2.5	80	25
‡42800-1	M18 x 2.5	90	25
‡42800-2	M18 x 2.5	100	25
‡42800-3	M18 x 2.5	110	25
‡42800-4	M18 x 2.5	120	25
‡42800-5	M18 x 2.5	130	25
‡42800-6	M18 x 2.5	140	25

Part No.	Dia. x Pitch	Length (mm)	Unit
‡42800-8	M20 x 2.5	30	50
42801	M20 x 2.5	40	10
42801-1	M20 x 2.5	50	10
42801-2	M20 x 2.5	60	10
42801-3	M20 x 2.5	70	10
42802	M20 x 2.5	80	10
42802-1	M20 x 2.5	90	5
42802-2	M20 x 2.5	100	5
42802-3	M20 x 2.5	110	5
42803	M20 x 2.5	120	5
‡42803-1	M20 x 2.5	130	25
‡42803-2	M20 x 2.5	140	25
‡42803-3	M20 x 2.5	150	25
‡42803-4	M20 x 2.5	160	25

Part No.	Dia. x Pitch	Length (mm)	Unit
‡42804	M22 x 2.5	60	25
‡42804-1	M22 x 2.5	70	25
‡42804-2	M22 x 2.5	80	25
‡42804-3	M22 x 2.5	90	25
‡42804-4	M22 x 2.5	100	25
‡42805	M22 x 2.5	110	25

Part No.	Dia. x Pitch	Length (mm)	Unit
‡42805-3	M24 x 3.0	40	25
‡42805-4	M24 x 3.0	50	25
42806	M24 x 3.0	60	5
42806-1	M24 x 3.0	70	5
42806-2	M24 x 3.0	80	5

Part No.	Dia. x Pitch	Length (mm)	Unit
42806-3	M24 x 3.0	90	5
42806-4	M24 x 3.0	100	3
42806-5	M24 x 3.0	110	3
42806-6	M24 x 3.0	120	3
42806-7	M24 x 3.0	130	3
‡42806-8	M24 x 3.0	140	10
‡42806-9	M24 x 3.0	150	10
‡42806-12	M24 x 3.0	200	10

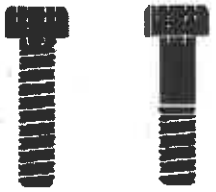
Part No.	Dia. x Pitch	Length (mm)	Unit
42808	M30 x 3.5	60	5
42808-1	M30 x 3.5	70	5
42808-2	M30 x 3.5	80	5
42808-3	M30 x 3.5	90	5
42808-4	M30 x 3.5	100	3
42808-5	M30 x 3.5	110	3
42808-6	M30 x 3.5	120	3
42808-7	M30 x 3.5	130	3

◆Canada only

Metric Socket Head Cap Screw Chart

Bolt Size	Head Dia. (mm)	Head Height (mm)	Key Size (mm)
M4	7.0	4.0	3.0
M5	8.5	5.0	4.0
M6	10.0	6.0	5.0
M8	13.0	8.0	6.0
M10	16.0	10.0	8.0
M12	18.0	12.0	10.0
M14	21.0	14.0	12.0
M16	24.0	16.0	14.0
M20	30.0	20.0	17.0
M24	36.0	24.0	19.0
M30	45.0	30.0	22.0

Metric 8.8 Socket Low Head Cap Screws



- Meets DIN 6912 8.8 specifications
- Non-plated
- Pilot recess

Part No.	Dia. x Pitch	Length (mm)	Unit
44[illegible]	M4 x 0.7	10	100
44[illegible]	M4 x 0.7	12	100
44[illegible]	M4 x 0.7	16	100
44[illegible]†	M4 x 0.7	20	100
44[illegible]†	M4 x 0.7	25	100

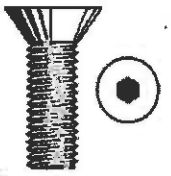
Part No.	Dia. x Pitch	Length (mm)	Unit
44310	M5 x 0.8	10	100
44311	M5 x 0.8	12	100
44312	M5 x 0.8	16	100
44313	M5 x 0.8	20	100
44314†	M5 x 0.8	25	50
44315†	M5 x 0.8	30	50

Part No.	Dia. x Pitch	Length (mm)	Unit
44320	M6 x 1.0	10	50
44321	M6 x 1.0	12	50
44322	M6 x 1.0	16	50
44323	M6 x 1.0	20	50
44324	M6 x 1.0	25	50
44325	M6 x 1.0	30	50
44326	M6 x 1.0	40	25
44327	M6 x 1.0	50	25

Part No.	Dia. x Pitch	Length (mm)	Unit
44330	M8 x 1.25	12	100
44331	M8 x 1.25	16	100
44332	M8 x 1.25	20	100
44333	M8 x 1.25	25	50
44334	M8 x 1.25	30	50
44335	M8 x 1.25	40	50
44336	M8 x 1.25	50	50
44538	M8 x 1.25	80	25

†Partially threaded

Metric 10.9 Socket Flat Head Cap Screws



- Meets DIN 7991 dimensional specifications
- Property class 10.9
- Medium carbon alloy steel quenched and tempered
- Non-plated
- Standard thread

Part No.	Dia. x Pitch	Length (mm)	Unit
‡[illegible]2163	M3 x 0.5	8	25
[illegible]2165	M3 x 0.5	10	25
[illegible]2167	M3 x 0.5	12	25
[illegible]2168	M3 x 0.5	16	25
[illegible]2169	M3 x 0.5	20	25

Part No.	Dia. x Pitch	Length (mm)	Unit
43127	M4 x 0.7	6	25
43128	M4 x 0.7	8	25
43129	M4 x 0.7	10	25
43130	M4 x 0.7	12	25
43131	M4 x 0.7	16	25
43132	M4 x 0.7	20	25
43133	M4 x 0.7	25	25
43134	M4 x 0.7	30	25
43134-1	M4 x 0.7	35	25
[illegible]6416	M4 x 0.7	40	25
[illegible]6411	M4 x 0.7	50	25

Part No.	Dia. x Pitch	Length (mm)	Unit
43135	M5 x 0.8	8	25
43136	M5 x 0.8	10	25
43137	M5 x 0.8	12	25
43137-1	M5 x 0.8	14	25
43138	M5 x 0.8	16	25
‡43138-1	M5 x 0.8	18	100
43139	M5 x 0.8	20	25
43140	M5 x 0.8	25	25
43141	M5 x 0.8	30	25
43142	M5 x 0.8	35	25
43143	M5 x 0.8	40	25
43143-1	M5 x 0.8	50	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	Unit
43145-2	M6 x 1.0	8	100
43144	M6 x 1.0	10	25
43145	M6 x 1.0	12	25
43145-1	M6 x 1.0	14	25
43146	M6 x 1.0	16	25
43147	M6 x 1.0	20	25
43148	M6 x 1.0	25	25
43149	M6 x 1.0	30	25
43150	M6 x 1.0	35	25
43151	M6 x 1.0	40	25
43151-1	M6 x 1.0	50	25
43152	M6 x 1.0	60	25
43152-1	M6 x 1.0	70	25

Part No.	Dia. x Pitch	Length (mm)	Unit
43154	M8 x 1.25	12	25
43154-1	M8 x 1.25	14	25
43155	M8 x 1.25	16	25
43155-1	M8 x 1.25	18	100
43156	M8 x 1.25	20	25
43157	M8 x 1.25	25	25
43158	M8 x 1.25	30	25
43159	M8 x 1.25	35	25
43160	M8 x 1.25	40	25
43161	M8 x 1.25	45	100
43162	M8 x 1.25	50	25
43163	M8 x 1.25	60	25
43164	M8 x 1.25	70	25
43164-1	M8 x 1.25	80	25

Part No.	Dia. x Pitch	Length (mm)	Unit
43165	M10 x 1.5	16	25
43166	M10 x 1.5	20	25
43167	M10 x 1.5	25	25
43168	M10 x 1.5	30	25
43169	M10 x 1.5	35	25
43170	M10 x 1.5	40	25
43171	M10 x 1.5	45	100
43172	M10 x 1.5	50	25
43173	M10 x 1.5	60	25
43173-1	M10 x 1.5	70	25
43174	M10 x 1.5	80	25

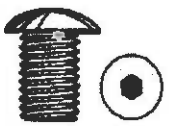
Part No.	Dia. x Pitch	Length (mm)	Unit
43175	M12 x 1.75	20	10
43176	M12 x 1.75	25	10
43177	M12 x 1.75	30	10
43178	M12 x 1.75	35	10
43179	M12 x 1.75	40	10
43180	M12 x 1.75	45	10
43181	M12 x 1.75	50	10
43181-1	M12 x 1.75	60	50
43181-2	M12 x 1.75	70	50
43181-3	M12 x 1.75	80	50
43181-4	M12 x 1.75	90	50
43181-5	M12 x 1.75	100	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43182	M14 x 2.0	30	10
43182-1	M14 x 2.0	40	10
43182-2	M14 x 2.0	50	10
43183	M14 x 2.0	60	10
43183-1	M14 x 2.0	70	10
43183-2	M14 x 2.0	80	10

Part No.	Dia. x Pitch	Length (mm)	Unit
43184-2	M16 x 2.0	30	50
KP82245	M16 x 2.0	35	10
43185	M16 x 2.0	40	10
43185-1	M16 x 2.0	50	10
43185-2	M16 x 2.0	60	10
43186	M16 x 2.0	70	10
43186-1	M16 x 2.0	80	10
43186-2	M16 x 2.0	90	25
43187	M16 x 2.0	100	10

Part No.	Dia. x Pitch	Length (mm)	Unit
43188	M20 x 2.5	40	10
43188-1	M20 x 2.5	50	10
43188-2	M20 x 2.5	60	10
43189	M20 x 2.5	70	10
43189-2	M20 x 2.5	90	25

Metric 10.9 Socket Button Head Cap Screws



- Meets ISO 7380 specifications
- Property class 10.9
- Medium carbon alloy steel - quenched and tempered
- Non-plated
- Standard thread

Part No.	Dia. x Pitch	Length (mm)	Unit
KP82298	M3 x 0.50	6	25
KP82234	M3 x 0.50	8	25
KP82235	M3 x 0.50	10	25
KP82295	M3 x 0.50	12	25

Part No.	Dia. x Pitch	Length (mm)	Unit
41906	M4 x 0.7	6	25
41907	M4 x 0.7	8	25
41908	M4 x 0.7	10	25
41909	M4 x 0.7	12	25
41910	M4 x 0.7	16	25
41911	M4 x 0.7	20	25
41912	M4 x 0.7	25	25

Part No.	Dia. x Pitch	Length (mm)	Unit
41914-1	M5 x 0.8	8	25
41915	M5 x 0.8	10	25
41916	M5 x 0.8	12	25
41916-1	M5 x 0.8	14	25
41917	M5 x 0.8	16	25
41918	M5 x 0.8	20	25
41919	M5 x 0.8	25	25
41920	M5 x 0.8	30	25

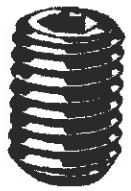
Part No.	Dia. x Pitch	Length (mm)	Unit
41925	M6 x 1.0	10	25
41926	M6 x 1.0	12	25
41926-1	M6 x 1.0	14	25
41927	M6 x 1.0	16	25
41928	M6 x 1.0	20	25
41929	M6 x 1.0	25	25
41930	M6 x 1.0	30	25

Part No.	Dia. x Pitch	Length (mm)	Unit
41935	M8 x 1.25	10	25
41936	M8 x 1.25	12	25
41936-1	M8 x 1.25	14	25
41937	M8 x 1.25	16	25
41938	M8 x 1.25	20	25
41939	M8 x 1.25	25	25
41940	M8 x 1.25	30	25
41941	M8 x 1.25	35	25
41942	M8 x 1.25	40	25

Part No.	Dia. x Pitch	Length (mm)	Unit
41945	M10 x 1.5	16	25
41946	M10 x 1.5	20	25
41947	M10 x 1.5	25	25
41948	M10 x 1.5	30	25
41949	M10 x 1.5	35	25
41950	M10 x 1.5	40	25

Part No.	Dia. x Pitch	Length (mm)	Unit
41955	M12 x 1.75	20	10
41959	M12 x 1.75	25	10
41961	M12 x 1.75	30	10
41962	M12 x 1.75	35	10
41963	M12 x 1.75	40	10
41964	M12 x 1.75	45	10
41965	M12 x 1.75	50	10

Metric 12.9 Socket Set Screws



- Meets ANSI BT8.3.6M dimensional specifications
- Property class 45H
- Alloy steel
- Black oxide finish
- Cup point
- Standard thread

Part No.	Dia. x Pitch	Length (mm)	Unit
42899	M3 x 0.5	3	100
42900	M3 x 0.5	4	100
42901	M3 x 0.5	5	100
42902	M3 x 0.5	6	100
42903	M3 x 0.5	8	100
42904	M3 x 0.5	10	100
42905	M3 x 0.5	12	100
42906	M3 x 0.5	16	100
42907	M3 x 0.5	20	100

Part No.	Dia. x Pitch	Length (mm)	Unit
42909	M4 x 0.7	4	50
42910	M4 x 0.7	5	50
42911	M4 x 0.7	6	50
42912	M4 x 0.7	8	50
42913	M4 x 0.7	10	50
42914	M4 x 0.7	12	50
42915	M4 x 0.7	14	50
42916	M4 x 0.7	16	100
42916-1	M4 x 0.7	20	100
42917	M4 x 0.7	25	100
42917-1	M4 x 0.7	30	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners

Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	Unit
C85914	M4 x 0.7	12	100
C85965	M4 x 0.7	16	100
43604	M4 x 0.7	20	50
43605	M4 x 0.7	25	50
43606	M4 x 0.7	30	50
43608	M4 x 0.7	40	50
43610	M4 x 0.7	50	50

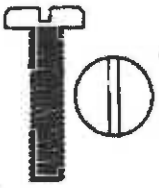
Part No.	Dia. x Pitch	Length (mm)	Unit
43616	M5 x 0.8	8	50
43617	M5 x 0.8	10	50
43618	M5 x 0.8	12	50
43619	M5 x 0.8	16	50
43621	M5 x 0.8	20	50
43622	M5 x 0.8	25	50
43623	M5 x 0.8	30	50
43625	M5 x 0.8	40	50
43627	M5 x 0.8	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43631	M6 x 1.0	10	50
43632	M6 x 1.0	12	50
43633	M6 x 1.0	16	50
43634	M6 x 1.0	20	50
43635	M6 x 1.0	25	50
43636	M6 x 1.0	30	50
43637	M6 x 1.0	35	50
43638	M6 x 1.0	40	50
43639	M6 x 1.0	45	50
43640	M6 x 1.0	50	50
43641	M6 x 1.0	60	50

Part No.	Dia. x Pitch	Length (mm)	Unit
C81021	M8 x 1.25	12	25
C85076	M8 x 1.25	16	25
43643	M8 x 1.25	20	25
43646	M8 x 1.25	25	25
43647	M8 x 1.25	30	25
43649	M8 x 1.25	40	25
43651	M8 x 1.25	50	25

Metric Machine Screws

Slotted Cheese Head



- Meets DIN 84A specifications
- Property class 4.8
- Steel
- Zinc plated
- Standard thread
- For use with: Bowman flat washers 42460 series, hex lock nuts 41749 series, hex nuts 42430 series

Part No.	Dia. x Pitch	Length (mm)	Unit
43198	M2 x 0.4	3	100
43198-1	M2 x 0.4	4	100
43198-2	M2 x 0.4	5	100
43198-4	M2 x 0.4	8	100
43198-5	M2 x 0.4	10	100
43198-6	M2 x 0.4	12	100
43198-8	M2 x 0.4	20	100

Part No.	Dia. x Pitch	Length (mm)	Unit
43200	M3 x 0.5	4	100
43201	M3 x 0.5	5	100
43202	M3 x 0.5	6	50
43203	M3 x 0.5	8	50
43204	M3 x 0.5	10	50
43205	M3 x 0.5	12	50
43206	M3 x 0.5	16	100
43208	M3 x 0.5	20	50
43209	M3 x 0.5	22	50
43210	M3 x 0.5	25	100
43211	M3 x 0.5	30	100
43212	M3 x 0.5	35	100
43213	M3 x 0.5	40	100
43214	M3 x 0.5	50	100

Part No.	Dia. x Pitch	Length (mm)	Unit
43222	M4 x 0.7	5	50
43223	M4 x 0.7	6	50
43224	M4 x 0.7	8	50
43225	M4 x 0.7	10	50
43226	M4 x 0.7	12	50
43227	M4 x 0.7	16	50
43229	M4 x 0.7	20	50
43231	M4 x 0.7	25	50
43233	M4 x 0.7	30	50
43234	M4 x 0.7	35	50
43235	M4 x 0.7	40	50
43236	M4 x 0.7	45	50
43237	M4 x 0.7	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43238	M5 x 0.8	6	200
43239	M5 x 0.8	8	50
43240	M5 x 0.8	10	50
43241	M5 x 0.8	12	50
43242	M5 x 0.8	16	50
43243	M5 x 0.8	18	50
43244	M5 x 0.8	20	50
43245	M5 x 0.8	25	100
43246	M5 x 0.8	30	50
43249	M5 x 0.8	35	50
C81042	M5 x 0.8	40	50
43251	M5 x 0.8	45	200
43252	M5 x 0.8	50	200

Part No.	Dia. x Pitch	Length (mm)	Unit
43253	M6 x 1.0	8	50
43255	M6 x 1.0	10	50
43256	M6 x 1.0	12	50
43257	M6 x 1.0	16	50
43258	M6 x 1.0	18	50
43259	M6 x 1.0	20	50
43261	M6 x 1.0	25	50
43263	M6 x 1.0	30	50
43264	M6 x 1.0	35	50
43265	M6 x 1.0	40	50
43266	M6 x 1.0	45	50
43267	M6 x 1.0	50	50
43269	M6 x 1.0	60	50
43270	M6 x 1.0	70	200

Part No.	Dia. x Pitch	Length (mm)	Unit
43273	M8 x 1.25	16	100
43274	M8 x 1.25	20	25
43276	M8 x 1.25	25	25
C84281	M8 x 1.25	30	25
C84282	M8 x 1.25	35	100
C84283	M8 x 1.25	40	100

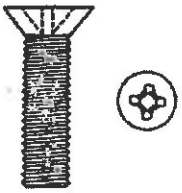
Part No.	Dia. x Pitch	Length (mm)	Unit
43295	M10 x 1.5	40	100

Non-stock items furnished non-plated.

Note: These items are furnished non-plated.

Metric Machine Screws

Phillips Flat Head



- Meets DIN965 specifications
- Property class 4.8
- Steel
- Non-plated
- Standard thread
- For use with: Bowman flat washers 42460 series, hex stop nuts 41749 series, hex nuts 42430 series

Part No.	Dia. x Pitch	Length (mm)	ISD Unit
43800	M2 x 0.4	4	100
43801	M2 x 0.4	5	100
43802	M2 x 0.4	6	100
43803	M2 x 0.4	8	100
43804	M2 x 0.4	10	100
43807	M2 x 0.4	20	100

Part No.	Dia. x Pitch	Length (mm)	ISD Unit
43810	M2.5 x 0.45	5	100
43811	M2.5 x 0.45	6	100
43812	M2.5 x 0.45	8	100
43813	M2.5 x 0.45	10	100

Part No.	Dia. x Pitch	Length (mm)	ISD Unit
43820	M3 x 0.5	6	100
43821	M3 x 0.5	8	100
43822	M3 x 0.5	10	100
43823	M3 x 0.5	12	100
43824	M3 x 0.5	16	100
43825	M3 x 0.5	20	100
43826	M3 x 0.5	25	100
43827	M3 x 0.5	30	100

Part No.	Dia. x Pitch	Length (mm)	ISD Unit
43830	M4 x 0.7	6	100
43831	M4 x 0.7	8	100
43832	M4 x 0.7	10	100
43833	M4 x 0.7	12	100
43834	M4 x 0.7	16	100
43835	M4 x 0.7	20	100
43836	M4 x 0.7	25	100
43837	M4 x 0.7	30	100
43839	M4 x 0.7	35	100

Part No.	Dia. x Pitch	Length (mm)	ISD Unit
43840	M5 x 0.8	8	100
43841	M5 x 0.8	10	100
43842	M5 x 0.8	12	100
43843	M5 x 0.8	16	100
43844	M5 x 0.8	20	100
43845	M5 x 0.8	25	100
43846	M5 x 0.8	30	100
43848	M5 x 0.8	40	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

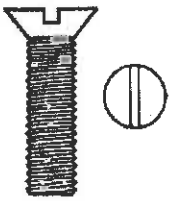
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	ISD Unit
[illegible]	M6 x 1.0	10	100
[illegible]	M6 x 1.0	12	100
[illegible]	M6 x 1.0	16	100
[illegible]	M6 x 1.0	20	100
[illegible]	M6 x 1.0	25	100
[illegible]	M6 x 1.0	40	100
[illegible]	M6 x 1.0	45	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**ISD Unit**
[illegible]	M8 x 1.25	16	100
[illegible]	M8 x 1.25	20	100
[illegible]	M8 x 1.25	25	100
[illegible]	M8 x 1.25	30	100
[illegible]	M8 x 1.25	35	100
[illegible]	M8 x 1.25	40	100
[illegible]	M8 x 1.25	45	100

Metric Machine Screws

Slotted Flat Head



- Meets DIN 963 specifications
- Property class 4.8
- Steel
- Zinc plated
- Standard thread
- For use with: Bowman flat washers 42460 series, hex stop nuts 41749 series, hex nuts 42430 series

Part No.	Dia. x Pitch	Length (mm)	Unit
[illegible]	M2 x 0.4	4	100
[illegible]	M2 x 0.4	6	100
[illegible]	M2 x 0.4	20	200
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
[illegible]	M3 x 0.5	4	100
[illegible]	M3 x 0.5	5	100
[illegible]	M3 x 0.5	6	100
[illegible]	M3 x 0.5	8	100
[illegible]	M3 x 0.5	10	100
[illegible]	M3 x 0.5	12	200
[illegible]	M3 x 0.5	14	100
[illegible]	M3 x 0.5	16	100
[illegible]	M3 x 0.5	20	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
[illegible]	M4 x 0.7	5	100
[illegible]	M4 x 0.7	6	50
[illegible]	M4 x 0.7	8	50
[illegible]	M4 x 0.7	10	50
[illegible]	M4 x 0.7	12	50
[illegible]	M4 x 0.7	14	50
[illegible]	M4 x 0.7	16	50
[illegible]	M4 x 0.7	20	50
[illegible]	M4 x 0.7	30	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
[illegible]	M5 x 0.8	6	100
[illegible]	M5 x 0.8	8	100
[illegible]	M5 x 0.8	10	50
[illegible]	M5 x 0.8	12	50
[illegible]	M5 x 0.8	14	50
[illegible]	M5 x 0.8	16	50
[illegible]	M5 x 0.8	20	50

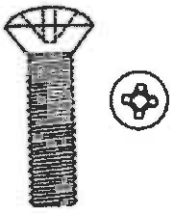
Part No.	Dia. x Pitch	Length (mm)	Unit
[illegible]	M5 x 0.8	25	50
[illegible]	M5 x 0.8	30	50
[illegible]	M5 x 0.8	40	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
[illegible]	M6 x 1.0	8	100
[illegible]	M6 x 1.0	10	50
[illegible]	M6 x 1.0	12	50
[illegible]	M6 x 1.0	14	100
[illegible]	M6 x 1.0	16	50
[illegible]	M6 x 1.0	20	50
[illegible]	M6 x 1.0	25	50
[illegible]	M6 x 1.0	30	50
[illegible]	M6 x 1.0	60	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
[illegible]	M8 x 1.25	10	25
[illegible]	M8 x 1.25	12	25
[illegible]	M8 x 1.25	14	25
[illegible]	M8 x 1.25	16	100
[illegible]	M8 x 1.25	19	25
[illegible]	M8 x 1.25	20	25
[illegible]	M8 x 1.25	25	25
[illegible]	M8 x 1.25	35	25
[illegible]	M8 x 1.25	45	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
[illegible]	M10 x 1.5	16	100
[illegible]	M10 x 1.5	19	100
[illegible]	M10 x 1.5	20	25
[illegible]	M10 x 1.5	25	100
[illegible]	M10 x 1.5	30	100

Non-stock items furnished non-plated

Note: These items are furnished non-plated.

Metric Machine Screws

Phillips Oval head



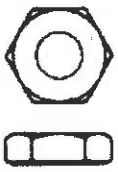
- Meets DIN 966 specifications
- Property class 4.8
- Steel
- Zinc plated
- Standard thread
- For use with: Bowman flat washers 42460 series, hex stop nuts 41749 series, hex nuts 42430 series

Part No.	Dia. x Pitch	Length (mm)	Unit
[illegible]	M3 x 0.5	6	50
[illegible]	M3 x 0.5	8	50
[illegible]	M3 x 0.5	10	50
[illegible]	M3 x 0.5	16	50
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
[illegible]	M4 x 0.7	6	50
[illegible]	M4 x 0.7	8	50
[illegible]	M4 x 0.7	10	50
[illegible]	M4 x 0.7	12	100
[illegible]	M4 x 0.7	16	50
[illegible]	M4 x 0.7	20	50
[illegible]	M4 x 0.7	25	50
[illegible]	M4 x 0.7	30	50
[illegible]	M4 x 0.7	40	50

Part No.	Dia. x Pitch	Length (mm)	Unit
[illegible]	M5 x 0.8	8	50
[illegible]	M5 x 0.8	10	50
[illegible]	M5 x 0.8	12	100
[illegible]	M5 x 0.8	16	100
[illegible]	M5 x 0.8	20	50
[illegible]	M5 x 0.8	25	50
[illegible]	M5 x 0.8	30	50
[illegible]	M5 x 0.8	40	50
[illegible]	M5 x 0.8	50	50
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
[illegible]	M6 x 1.0	10	50
[illegible]	M6 x 1.0	12	50
[illegible]	M6 x 1.0	16	50
[illegible]	M6 x 1.0	20	50
[illegible]	M6 x 1.0	25	50
[illegible]	M6 x 1.0	30	50
[illegible]	M6 x 1.0	35	50
[illegible]	M6 x 1.0	40	50
[illegible]	M6 x 1.0	50	50
[illegible]	M6 x 1.0	60	50
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
[illegible]	M8 x 1.25	16	25
[illegible]	M8 x 1.25	20	25
[illegible]	M8 x 1.25	25	25
[illegible]	M8 x 1.25	30	25
[illegible]	M8 x 1.25	40	25

Hex Nuts

Metric Class 10 Hex Nuts DIN/ANSI



- Meets DIN 934 and ANSI Specifications
- Medium carbon steel
- Multiple heat treated
- Zinc plated
- Standard thread
- For use with Property Class 10.9, 9.8 and 8.8 bolts, screws and studs

Part No.	Dia. x Pitch	Flats (mm)	Width (mm)	Unit
44183	M4 x 7.0	7	2.2	50
44185	M6 x 1.00	10	5	50
44187	M8 x 1.25	13	6.5	50
[illegible]	M10 x 1.50	17	8	50
[illegible]	M10 x 1.5	17	8	25
C4197	M10 x 1.50	16 ANSI	8.4	50
44189	M12 x 1.75	19	10	50
MF-44189	M12 x 1.75	19	10	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners

Continued from previous page

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
44192	M12 x 1.75	18 ANSI	10	50
44190	M14 x 2.00	22	11	25
MP44190	M14 x 2.0	22	11	10
44191	M16 x 2.00	24	13	25
MP44191	M16 x 2.00	24	13	10
44192	M18 x 2.50	27	15	25
MP44192	M18 x 2.5	27	15	10
44193	M20 x 2.50	30	16	25
MP44193	M20 x 2.50	30	16	10
44193-1	M22 x 2.50	32	18	25
44194	M24 x 3.00	36	19	25
MP44194	M24 x 3.00	36	19	10
44196	M30 x 3.50	46	24	25
MP44196	M30 x 3.5	46	24	5

Metric Property Class 10 Hex Nuts



- Meets DIN 970 and ANSI B18.2.4.1M Style 1 specifications
- To be used with property class 10.9 cap screws
- Non-plated - BN41115

Part No.	Dia. x Pitch	Unit
43123-1	M27 x 3.00	10
43124-1	M36 x 4.00	10

Metric Small Head Hex Flange Nuts



- Property Class 10
- Meets JIS B 1190 specifications
- Zinc plated
- Spin lock type flange

Part No.	Dia. x Pitch	Across Flats (mm)	Flange Dia. (mm)	Unit
CD551114	M4 X 0.70	7	10	100
CD551147	M5 X 0.80	8	11.2	100
4580	M6 x 1.0	10	13	50
4581	M8 x 1.25	12	17	50
4582	M10 x 1.25	14	19	50
CD551418	M12 X 1.75	19	24	25

•Canada only

Metric Hex Nuts



- Meets DIN 934 and ISO property class 8 specifications
- Low carbon steel
- Zinc plated
- For use with Property Class 8.8, 5.8 and 4.8 bolts, screws and studs

Standard Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
42430†	M2 x 0.4	5	1.2	100
42431†	M2.5 x 0.45	5	2	100
42432†	M3 x 0.50	5.5	2.4	100
42400	M4 x 0.70	7	3.2	50
42401	M5 x 0.80	8	4	50
42402	M6 x 1.00	10	5	50
42403	M7 x 1.00	11	5.5	50
42404	M8 x 1.25	13	6.5	50
42405	M10 x 1.50	17	8	50
MP42435	M10 x 1.50	17	8	25
42406	M12 x 1.75	19	10	50
MP42406	M12 x 1.75	19	10	25
42407	M14 x 2.00	22	11	25
42408	M16 x 2.00	24	13	25
MP42408	M16 x 2.0	24	13	10
42409-18	M18 x 2.50	27	15	25
MP42409-18	M18 x 2.5	27	15	10
42409-20	M20 x 2.50	30	16	25
MP42439-20	M20 X 2.5	30	16	10
43410	M22 x 2.50	32	18	100
42411	M24 x 3.00	36	19	25
42413	M30 x 3.50	46	24	25

† Class 6 Specifications

Fine Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
42414	M8 x 1.00	13	6.5	50
C18951	M10 x 1.25	17	8	25
42416	M12 x 1.50	19	10	25
C23856	M14 x 1.50	22	11	25
C762124	M16 x 1.50	24	13	10
MP82750	M20 X 1.5	30	16	50

Extra Fine Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
42415	M10 x 1.00	17	8	50
MP42415	M10 x 1.00	17	8	25
C18954	M12 x 1.25	19	10	25

Metric 8.8 Hex Nuts



- To be used with property class 8.8 cap screws
- Non-plated

Part No.	Dia. x Pitch	Unit
42420	M8 x 1.00	100
42420-1	M10 x 1.25	100
42420-2	M10 x 1.00	100
42421	M12 x 1.50	100
42421-1	M12 x 1.25	100
42422	M14 x 1.50	50
42423	M18 x 1.50	50
42423-1	M20 x 1.50	50
42425	M22 x 1.50	50
42427	M30 x 3.50	10
42428-1	M36 x 4.00	10

Metric 8.8 Hex Nuts

Japanese Fine Thread Pitch



- Medium carbon steel
- For use with 8.8 Japanese hex head cap screws
- Zinc plated

Part No.	Dia. x Pitch	Unit
42415-1	M10 x 1.25	50
42416-1	M12 x 1.25	50

Metric 8.8 Hex Nuts

For Japanese Small Head Cap Screws



- Meets JIS B 1181 specifications
- For awkward applications where small diameter hex is needed
- Use with part numbers 4501 through 4547

Part No.	Dia. x Pitch	Across Flats (mm)	Unit
4548	M8 x 1.25	12	100
MP4548	M8 x 1.25	12	50
4549	M10 x 1.25	14	100
MP4549	M10 x 1.25	14	50
4550	M12 x 1.25	17	100
MP4550	M12 x 1.25	17	50

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners

Metric Jam Nuts



- Meets DIN 439 B Part 2 dimensional specifications
- Low carbon steel
- Standard thread
- Zinc plated

Standard Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
43000	M4 x 0.7	7	2.2	50
43001	M5 x 0.8	8	2.7	50
43002	M6 x 1.0	10	3.2	50
43003	M8 x 1.25	13	4	50
43004	M10 x 1.5	17	6	50
43006	M12 x 1.75	19	7	50
43007	M14 x 2.0	22	8	50
43008	M16 x 2.0	24	8	25
[illegible]	M18 x 2.5	27	9	50

Fine Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
C92812	M8 x 1.00	13	4	50
[illegible]	M10 x 1.25	17	6	50
C16956	M12 x 1.50	19	7	25
C16957	M14 x 1.50	22	8	25

Extra Fine Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
C16955	M10 x 1.00	17	6	25

Metric Hex Nuts - Course - Plain Finish

Canada Only



- Class 8
- DIN 934
- For use with Class 8.8 fasteners

Part No.	Dia. (mm)	Thread Pitch	Unit
+CD557603	4	0.70	100
+CD557604	5	.080	100
+CD557605	6	1.00	100
+CD557606	7	1.00	100
+CD557607	8	1.25	100
+CD557613	10	1.50	50
+CD557609	12	1.75	50
+CD557610	14	2.00	50
+CD557611	16	2.00	25
+CD557612	20	2.50	25
+CD557614	24	3.00	25

+Canada only

Metric Hex Nuts - Fine - Plain Finish

Canada Only

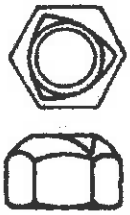


- Class 8
- DIN 934
- For use with Class 8.8 fasteners

Part No.	Dia. (mm)	Thread Pitch	Unit
+CD557521	8	1.00	100
+CD557522	10	1.25	100
+CD557523	12	1.50	50
+CD557475	14	1.50	50
+CD562209	16	1.50	50

+Canada only

Metric Bowma-Grip® Hex Nuts, All-Metal Prevailing-Torque Type

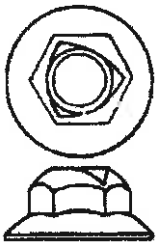


- Meets ISO property Class 12 specifications
- Performance requirements per ANSI B18.16.1M specifications
- Medium carbon steel
- Multiple heat treated
- Cadmium plated
- Standard thread
- Prevailing torque type
- Prelubricated with wax
- For use with property Class 12.9, 10.9, 9.8,and 8.8 bolts, screws and studs
- Note: For temperature applications up to 400°F only

Part No.	Dia. x Pitch	Unit
41769	M6 x 1.0	50
41771	M8 x 1.25	50
41772	M10 x 1.5	50
41773	M12 x 1.75	50
41774	M14 X 2.00	25
41775	M16 x 2.0	25
41776	M20 x 2.5	10

Non stock items are furnished non plated

Metric Bowma-Grip®, Hex Flange Lock Nuts, All-Metal Prevailing-Torque-Type



- Meets ISO property Class 12 specifications
- Performance requirements per ANSI B18.16.1M specifications
- Medium carbon steel
- Multiple heat treated
- Cadmium plated
- Standard thread
- Prevailing torque type
- Prelubricated with wax
- For use with property Class 12.9, 10.9, 9.8 and 8.8 bolts, screws and studs

Part No.	Dia. x Pitch	Unit
41781	M8 x 1.25	50
41782	M10 x 1.5	50
41783	M12 x 1.75	50
41785	M16 x 2.0	25

Lock Nuts - Prevailing Torque Metric Class 10 Cad & Wax



Metric Class 10 Prevailing Torque Lock Nuts are to be used with Metric10.9 Hex Head Cap Screws. They are pre-lubricated with wax for easy assembly. They are designed for applications requiring resistance to heavy vibration or shock.

Specifications:

- Cad & Wax plating - clear

Part No.	Size (mm)	UNIT
C764203	M6 x 1.00	100
C764205	M8 x 1.25	100
C764235	M10 x 1.50	100
C764207	M12 x 1.75	50

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners

Metric Class 8 Hex Lock Nuts

Stover Style



- Zinc and wax
- Use with Class 8.8 fasteners
- Stover type locking action for severe vibration resistance

Part No.	Dia. x Pitch	Unit
KP78599	M4 X 0.70	50
KP78600	M5 X 0.80	50
KP78601	M6 X 1.00	50
KP78602	M8 X 1.25	50
KP78603	M10 X 1.50	50
KP78604	M12 X 1.75	50
KP78605	M14 X 2.00	50
KP78606	M16 X 2.00	50

Metric Nylon Insert Lock Nuts



- Meets DIN 985 and ISO property Class 8 specifications
- Low carbon steel
- Zinc plated
- Standard thread or fine thread
- Nylon insert
- For use with property Class 8, 5.8 and 4.8 bolts, screws and studs

Standard Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
41749	M3 x 0.5	5.5	4	50
41750	M4 x 0.7	7	5	50
41751	M5 x 0.8	8	5	50
41752	M6 x 1.0	10	6	50
◆C3551277	M7 X 1.0	11	6	100
41754	M8 x 1.25	13	6	50
MP41754	M8 x 1.25	13	6	25
41755	M10 x 1.50	17	10	50
MP41755	M10 x 1.50	17	10	25
41756	M12 x 1.75	19	12	25
MP41756	M12 x 1.75	19	12	10
41757	M14 x 2.00	22	14	25
MP41757	M14 x 2.0	22	14	10
41758	M16 x 2.00	24	16	25
MP41758	M16 x 2.0	24	16	10
41759	M18 x 2.5	27	18.5	25
41760	M20 x 2.5	30	20	25
MP41760	M20 x 2.5	30	20	5

◆Canada only

Fine Pitch

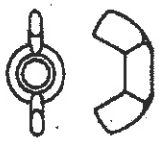
Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
CB4739	M10 x 1.25	17	10	25
41764	M12 x 1.50	19	12	25
41765	M14 x 1.50	22	14	25
41766	M16 x 1.50	24	16	25

Extra Fine Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
41762	M10 x 1.00	17	10	50
CB4741	M12 x 1.25	19	12	10

Wing Nuts

Metric Wing Nuts



- Meets DIN 315 specifications
- Property Class 5
- Cold formed steel
- Zinc plated
- Standard thread

Part No.	Dia. x Pitch	Unit
42891	M3 x 0.5	50
42892	M4 x 0.7	50
42893	M5 x 0.8	50
42894	M6 x 1.0	50
42895	M8 x 1.25	50
42896	M10 x 1.5	50
42897	M12 x 1.75	50

Cap Nuts

Cap Nuts – Metric



- Zinc - Clear Plating
- DIN 1587

Part No.	Size	Unit
C23685	M4 x .70	50
C23686	M5 x .80	50
C23687	M6 x 1.0	50
C23688	M8 x 1.25	25
C23689	M10 x 1.50	25
C23690	M11 x 1.75	10

Pal Nuts

Metric Pal Nuts



- Spring steel
- Zinc plated
- Washer type
- Self-threading
- Without sealer
- Part No. 43532 is black phosphate

Part No.	Dia. x Pitch	Unit
43532	M5 x 0.8	50
43533	M6.3 x 1.00	50

Bolt Retainers

Metric Bolt Retainer



- Spring steel
- Black finish
- Standard thread

Part No.	Dia. x Pitch	Unit
CB72517-2	M5 x 0.8	100
43543	M8 x 1.25	100
43545	M12 x 1.75	100

Flat Washers

Metric Through-Hardened Flat Washers



- Meets to ANSI B18.22M specifications
- Medium carbon steel
- Zinc plated
- For use with 12.9, 10.9, 9.8 and 8.8 property class fasteners

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
C25041	M4	4.3	9	0.80	100
C25042	M5	5.3	10	1.00	100
43981	M6	6.4	12.50	1.6	1 lb.
MP43981	M6	6.4	12.50	1.6	100
C25043	M7	7.4	14	1.6	100
43983	M8	8.4	17	1.6	1 lb.

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
[illegible]	M8	8.4	17	1.6	100
43984	M10	10.5	21	2	1 lb.
[illegible]	M10	10.5	21	2	100
43985	M12	13	24	2.50	1 lb.
[illegible]	M12	13	24	2.50	50
43986	M14	15	28	2.50	1 lb.
[illegible]	M14	15	28	2.50	50
43987	M16	17	30	3	1 lb.
[illegible]	M16	17	30	3	25
C90834	M18	19	34	3	10
43989	M20	21	37	3	1 lb.
[illegible]	M20	21	37	3	25
43990	M24	25	44	4	1 lb.
[illegible]	M24	25	44	4	10

1 lb. — Pieces Conversion

- Approximate number of pieces per pound

Part No.	Pieces
43983	435
43983	150
43984	145
43985	70
[illegible]	58
43987	35
43989	21
43990	15

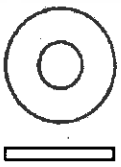
Metric Non-Hardened Flat Washers



- Meets DIN 125A specifications
- Low carbon steel
- Zinc plated
- For use with property class 5.8 and 4.8 fasteners

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
C90918	M2	2.2	5	0.3	100
C90919	M3	3.2	7	0.5	100
42450	M4	4.3	9	0.8	200
[illegible]	M4	4.3	9	0.8	100
42451	M5	5.3	10	1.0	200
[illegible]	M5	5.3	10	1.0	100
42452	M6	6.4	12	1.6	200
[illegible]	M6	6.4	12	1.6	100
42453	M7	7.4	14	1.6	200
[illegible]	M7	7.4	14	1.6	100
42454	M8	8.4	16	1.6	200
[illegible]	M8	8.4	16	1.6	100
42455	M10	10.5	20	2.0	100
42456	M12	13.0	24	2.5	100
42457	M14	15	28	2.5	100
[illegible]	M14	15	28	2.5	50
42458	M16	17	30	3.0	100
[illegible]	M16	17	30	3.0	50
42459-18	M18	19	34	3.0	100
42459-20	M20	21	37	3.0	50
[illegible]	M24	25	44	4.0	100

Metric Non-Hardened Flat Washers



- Meets DIN 125A specifications
- Low carbon steel
- To be used with property class 5.8 and 4.8 screws
- Non-plated

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
✦CD557527	M4	4.3	9	0.8	100
✦CD557528	M5	5.3	10	1.0	100
✦CD557529	M6	6.4	12	1.6	100
✦CD557530	M8	8.4	16	1.6	100
✦CD557531	M10	10.5	20	2.0	50
✦CD557532	M12	13.0	24	2.5	50
✦CD557533	M14	15	28	2.5	50
✦CD557534	M16	17	30	3	50
✦CD557536	M20	21	37	3	25
[illegible]	M22	23	39	3	100
[illegible]	M24	25	44	4	50
[illegible]	M27	28	50	4	50
[illegible]	M30	31	56	4	100
42469-6	M36	37	66	5	50

✦Canada only

Metric Spring Washers



- Meets DIN 137B specifications
- Non-plated
- Wave type

Part No.	Bolt Size	Unit
C90923	M3	100
42470	M4	200
42471	M5	200
42472	M6	200
42473	M7	200
42474	M8	200
42475	M10	200
42476	M12	200
42477	M14	200
42593	M16	200

Metric Fender Washers



- DIN 9021B
- Zinc plating

Part No.	Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
[illegible]	M5	5.3	15	1.6	50
[illegible]	M6	6.4	18	1.6	50
[illegible]	M8	8.4	25	2.0	50
[illegible]	M10	10.5	30	2.5	50

Metric Washers - Oversize

Canada Only

- Zinc plating
- DIN 9021 and DIN 125

Part No.	DIN	Bolt Size	O.D. (mm)	Unit
✦CD351115	9021	M4	12	50
✦CD551149	9021	M5	15	50
✦CD551250	9021	M6	18	50
✦CD551201	9021	M16	30	50
✦CD551286	9021	M8	25	50
✦CD551356	9021	M10	30	50
✦CD551558	125	M22	39	25

✦Canada only

Lock Washers

Metric Lock Washers



- Meets DIN 127B specifications
- Spring steel
- Heat treated
- Zinc plated
- Non-linking
- For use with 12.9, 10.9 and 8.8 fasteners

Part No.	Bolt Size	Unit
C90950	M3	100
42480	M4	200
[illegible]	M4	100
42481	M5	200
[illegible]	M5	100
42482	M6	200
[illegible]	M6	100
42483	M7	200
[illegible]	M7	100
42484	M8	200

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners

Continued from previous page

Part No.	Bolt Size	Unit
MP42454	M8	100
42455	M10	100
MP42455	M10	50
42456	M12	100
MP42456	M12	50
42457	M14	100
MP42457	M14	50
42458-16	M16	100
MP42458-16	M16	50
42458-18	M18	50
42458-20	M20	50
MP42458-20	M20	25
42459-1	M24	50
MP42459-1	M24	25

Metric Lock Washers



- Meets DIN 127B specifications
- To be used with property class 8.8 screws
- Spring Steel HRC 44 - 51
- Non-plated

Part No.	Bolt Size	Unit
+CD551116	M4	100
+CD551150	M5	100
+CD551202	M6	100
+CD551238	M8	100
+CD551367	M10	100
+CD551420	M12	100
+CD551503	M16	50
+CD551536	M20	25
42449	M22	100
MP42449-1	M24	100
MP42449-2	M27	100
MP42449-3	M30	100
MP42449-5	M36	50

+Canada only

Metric Serrated Lock Washers



- Meets DIN 6798 Type A specifications
- Spring steel

Part No.	Bolt Size	Unit
42480	M6	200
42481	M8	100
42482	M10	100
42483	M12	100

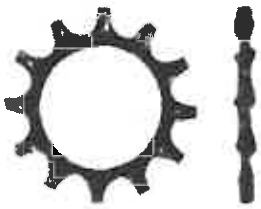
Hi-Collar Metric Lock Washers



- Meets DIN 7980 dimensional specifications
- Non-plated
- HRC 44-51 spring steel

Part No.	Size (in.)	Unit
47410	M3	50
47411	M4	50
47412	M5	50
47413	M6	50
47414	M8	50
47415	M10	50
47416	M12	25
47417	M14	25
47418	M16	10
47419	M20	10
47420	M24	5
47421	M30	5

Metric Toothed Lock Washers - +Canada Only



- Internal and External
- Zinc plating.

Internal Part No.	External Part No.	Bolt Size	Unit
C69621	C69615	M4	100
C69622	C69616	M5	100
C69623	C69617	M6	100
C69624	C69618	M8	100
C69625	C69619	M10	100
C69626	C69620	M12	100

Cotter Pins

Metric Cotter Pins



- Meets DIN 94 specifications
- Meets ISO R 1234 specifications
- Steel
- Zinc plated
- Extended prong type

Part No.	Dia.	Length (mm)	Unit
+CD550302	M1	16	100
42515	M1.6	20	200
+CD550513	M1.6	22	100
42522	M2	18	200
+CD550503	M2	20	100
42524	M2	22	200
42526	M2	25	200
+CD550505	M2	32	100
+CD550520	M2.5	25	100
+CD550531	M2.5	40	100
42530	M3.2	25	200
42538	M3.2	30	200
+CD550501	M3.2	32	100
+CD550535	M3.2	40	100
+CD550525	M3.5	30	100
+CD550537	M3.5	40	100
42540	M4	30	200
42544	M4	32	200
42546	M4	40	200
+CD550510	M4	50	100
42556	M5	45	100
C18959	M5	60	100
42558	M5	63	100

+Canada only

Spring Pins

Metric Spring Pins



- Meets DIN 1481 specifications
- High carbon steel

Part No.	Dia.	Length (mm)	Unit
MP37020	M2	6	50
MP37021	M2	8	50
MP37022	M2	16	50
MP37024	M2	20	50
42810	M2.5	20	100
MP42810	M2.5	20	50
42812	M2.5	26	100
MP42812	M2.5	26	50

Part No.	Dia.	Length (mm)	Unit
MP37025	M3	10	50
42814	M3	12	100
MP37026	M3	16	50
42816	M3	20	100
MP42816	M3	20	50
MP37029	M3	24	50
42818	M3	26	100
MP42818	M3	26	50
MP37031	M3	30	50
42820	M3	32	100
MP42820	M3	32	50
42822	M3	40	100
MP42822	M3	40	50

Part No.	Dia.	Length (mm)	Unit
MP37035	M4	12	50
MP37036	M4	16	50
42825	M4	20	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia.	Length (mm)	Unit
MP42825	M4	20	50
42827	M4	26	100
MP42827	M4	26	50
MP37840	M4	30	50
42829	M4	32	100
MP42829	M4	32	50
42831	M4	40	100
MP42831	M4	40	50
MP37843	M4	50	50

Part No.	Dia.	Length (mm)	Unit
42834	M5	20	100
MP42834	M5	20	50
42836	M5	26	100
MP37849	M5	30	25
42838	M5	32	100
MP42838	M5	32	50
42840	M5	40	100
MP37851	M5	45	25
42842	M5	50	100
MP37853	M5	60	25

Part No.	Dia.	Length (mm)	Unit
MP37854	M6	18	25
42845	M6	26	50
MP37856	M6	30	25
42847	M6	32	50
42849	M6	40	50
42850	M6	45	50
42851	M6	50	25
42853	M6	75	25

Part No.	Dia.	Length (mm)	Unit
42856	M8	20	100
42859	M8	32	50
42861	M8	40	50
42862	M8	45	50
42863	M8	50	25

Part No.	Dia.	Length (mm)	Unit
42866	M10	40	25
42867	M10	45	25

Dowel Pins

Metric Dowel Pins



- Meets DIN 6325 and/or ISO 8734 A M6
- Steel hardened
- Precision ground

Part No.	Diameter	Length (mm)	Unit
70000	M2	10	100
70001	M2	20	100
70002	M2	40	100
70003	M3	10	50
70004	M3	12	50
70005	M3	16	50
70006	M3	20	50
70007	M3	24	50
70008	M3	40	25
70009	M4	12	50
70010	M4	20	50
70011	M4	30	25
70012	M4	40	25
70013	M5	12	25
70014	M5	16	25
70015	M5	20	25
70016	M5	30	25
70017	M6	20	25
70018	M6	60	25
70019	M8	20	25
70020	M8	30	25
70021	M10	24	25
70022	M10	30	25
70023	M10	50	25
70024	M12	30	10

Retaining Rings

Metric Internal Retaining Rings



- Meets DIN 472 specifications
- Carbon spring steel
- Heat treated
- Black oil finish

Part No.	Housing Dia.	Groove Dia. (mm)	Thickness (mm)	Unit
MP71723	M8	8.4	.80	25
MP71724	M9	9.4	.80	25
43441	M10	10.4	1.00	50
MP71726	M11	11.4	1.00	25
43442	M12	12.5	1.00	50
43443	M14	14.6	1.00	50
43444	M15	15.7	1.00	50
43445	M16	16.8	1.00	50
43446	M18	19.0	1.00	50
43447	M19	20.0	1.00	50
43448	M20	21.0	1.00	50
43449	M22	23.0	1.00	50
43450	M24	25.2	1.20	50
43451	M25	26.2	1.20	50
MP71734	M28	29.4	1.20	10
MP71735	M32	33.7	1.20	10
MP71736	M35	37.0	1.50	10

Metric External Retaining Rings



- Meets DIN 471 specifications
- Carbon spring steel
- Heat treated
- Black oil finish

Part No.	Shaft Dia.	Groove Dia. (mm)	Thickness (mm)	Unit
43421*	M4	3.7	.40	50
43422*	M6	5.6	.70	50
43423*	M8	7.4	.80	50
MP71744	M9	8.6	1.00	25
43424	M10	9.3	1.00	50
MP71746	M11	10.5	1.00	25
43425	M12	11.0	1.00	50
43426	M14	12.9	1.00	50
43427	M15	13.8	1.00	50
43428	M16	14.7	1.00	50
CD552093	M17	16.2	1.10	50
43429	M18	16.5	1.20	50
43430	M20	18.5	1.20	50
43431	M22	20.5	1.20	50
MP71752	M24	22.9	1.20	10
43432	M25	23.2	1.20	25
MP71754	M28	26.6	1.50	10
+CD552096	M30	28.6	1.60	50
MP71755	M32	30.3	1.50	10
MP71756	M35	33.0	1.50	10

+Canada only

Metric "E" Retaining Rings



- Meets DIN 6799 specifications
- Carbon spring steel
- Heat treated
- Black oil finish

Part No.	Shaft Dia.	Groove Dia. (mm)	Thickness (mm)	Unit
43401	M1.70	1.2	.30	50
43402	M2.25	1.5	.40	50
43403	M2.75	1.9	.50	50
43404	M3.50	2.3	.60	50
43405	M4.50	3.2	.60	50
43406	M6.00	4.0	.70	50
43407	M7.00	5.0	.70	50
43408	M8.00	6.0	.70	50
43409	M9.50	7.0	.90	50
43410	M10.5	8.0	1.00	50
CD5435	M11.0	10.0	1.23	50
43411	M12.0	9.0	1.10	50
43412	M13.0	10.0	1.20	50
43413	M15.5	12.0	1.30	50
CD5437	M15.5	15.0	1.53	50

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Threaded Rod

Metric Threaded Rod Stock



- Low carbon steel
- Zinc plated
- Standard thread
- One meter lengths

Part No.	Dia. x Pitch	Unit
42692	M5 x 0.8	5
42693	M6 x 1.0	5
42694	M8 x 1.25	5
MP42301	M10 X 1.25	1
42695	M10 x 1.5	2
MP42302	M12 X 1.25	1
42696	M12 x1.75	2
42697	M14 x 2.0	2
42698	M16 x 2.0	2
42699	M18 x 2.5	1
42700	M20 x 2.5	1

Metric Threaded Rod Plain Stock
Canada Only



- 1 metre length
- Class 4.6
- DIN 975

Part No.	Dia. x Pitch	Unit
*CD26018	M8 X 1.25	1
*CD26019	M10 X 1.50	1
*CD26020	M12 X 1.75	1
*CD26022	M16 X 2.00	1
*CD26024	M20 X 2.50	1
*CD561529	M24 X 3.00	1

*Canada only

Metric Square Keystock

Metric Key Stock

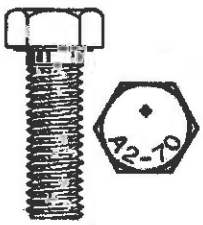
- Meets DIN 6880 specifications (mechanical property acc. DIN 1652)
- AISI 1045 steel
- Non-plated
- 1 meter length

Part No.	Size	Unit
40160	M3 x M3	1
40161	M4 x M4	1
40162	M5 x M5	1
40163	M6 x M4	1
42164	M6 x M6	1
40165	M7 x M7	1
40166	M8 x M5	1
40167	M8 x M7	1
40168	M8 x M8	1
40169	M10 x M6	1
40170	M10 x M8	1
40171	M10 x M10	1
40172	M12 x M8	1
40173	M12 x M12	1
40174	M14 x M9	1
*MP1497	M14 X M14	1
40176	M16 x M10	1
*MP1498	M16 X M16	1
40178	M18 x M11	1
*MP1499	M18 X M18	1
40179	M20 x M12	1
*MP1500	M20 X M20	1
40181	M22 x M14	1

*12" Length

Metric Stainless Steel

Metric Stainless Steel Hex Head Cap Screws



- Meets DIN 933 (fully threaded) or DIN 931 (partially threaded) dimensional requirements
- Meets mechanical and material specifications of ISO 3506
- Steel Grade A2 (Metric equivalent to 18-8 stainless steel)
- Property Class 70

Part No.	Dia. x Pitch	Length (mm)	Unit
47290	M4 x 0.7	10	50
47297	M4 x 0.7	12	50
47298	M4 x 0.7	16	50
47299	M4 x 0.7	20	50
C[illegible]4	M4 x 0.7	25	50
C[illegible]5	M4 x 0.7	30	50

Part No.	Dia. x Pitch	Length (mm)	Unit
47302	M5 x 0.8	10	50
47303	M5 x 0.8	12	50
47304	M5 x 0.8	16	50
47305	M5 x 0.8	20	50
47306	M5 x 0.8	25	50
47307	M5 x 0.8	30	50
47308	M5 x 0.8	35	50
47309†	M5 x 0.8	40	50
47310†	M5 x 0.8	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
47311	M6 x 1.0	10	50
47312	M6 x 1.0	12	50
47313	M6 x 1.0	16	50
47314	M6 x 1.0	20	50
47315	M6 x 1.0	25	50
47316	M6 x 1.0	30	50
47317	M6 x 1.0	35	50
47318	M6 x 1.0	40	50
MP47318	M6 x 1.0	40	25

Part No.	Dia. x Pitch	Length (mm)	Unit
C[illegible]2†	M6 x 1.0	45	25
47319†	M6 x 1.0	50	50
MP47319†	M6 x 1.0	50	25
47319-1†	M6 x 1.0	60	50
MP47319-1†	M6 x 1.0	60	25
47320-1†	M6 x 1.0	70	50
MP47320-1†	M6 x 1.0	70	25
47320-2†	M6 x 1.0	80	50
MP47320-2†	M6 x 1.0	80	25
47320-3†	M6 x 1.0	100	50
MP47320-3†	M6 x 1.0	100	25

Part No.	Dia. x Pitch	Length (mm)	Unit
47320-4	M8 x 1.25	14	50
47320	M8 x 1.25	10	50
47321	M8 x 1.25	12	50
47322	M8 x 1.25	16	50
MP47322	M8 x 1.25	16	25
47323	M8 x 1.25	20	50
MP47323	M8 x 1.25	20	25
47324	M8 x 1.25	25	50
MP47324	M8 x 1.25	25	25
47325	M8 x 1.25	30	50
MP47325	M8 x 1.25	30	25
47326	M8 x 1.25	35	50
47327	M8 x 1.25	40	50
MP47327	M8 x 1.25	40	10
47328	M8 x 1.25	45	50
MP47328	M8 x 1.25	45	10
47329	M8 x 1.25	50	50
MP47329	M8 x 1.25	50	10
47329-1†	M8 x 1.25	60	50
MP47329-1†	M8 x 1.25	60	10
47329-2†	M8 x 1.25	70	50
MP47329-2†	M8 x 1.25	70	10
47329-3†	M8 x 1.25	80	50
MP47329-3†	M8 x 1.25	80	10
47329-4†	M8 x 1.25	100	25
MP47329-4†	M8 x 1.25	100	10

Part No.	Dia. x Pitch	Length (mm)	Unit
47330	M10 x 1.5	16	50
MP47330	M10 x 1.5	16	10
47331	M10 x 1.5	20	50
MP47331	M10 x 1.5	20	10
47332	M10 x 1.5	25	50
MP47332	M10 x 1.5	25	10
47333	M10 x 1.5	30	25
MP47333	M10 x 1.5	30	10
47334	M10 x 1.5	35	25
47335	M10 x 1.5	40	25
MP47335	M10 x 1.5	40	10
47336	M10 x 1.5	45	25
47337	M10 x 1.5	50	25
MP47337	M10 x 1.5	50	10
47338	M10 x 1.5	55	25
47339	M10 x 1.5	60	25
MP47339	M10 x 1.5	60	10
47339-1	M10 x 1.5	70	25
47339-2†	M10 x 1.5	80	25
47339-3†	M10 x 1.5	90	25
47339-4†	M10 x 1.5	100	25

Part No.	Dia. x Pitch	Length (mm)	Unit
47340	M12 x 1.75	20	25
MP47340	M12 x 1.75	20	10
47341	M12 x 1.75	25	25
MP47341	M12 x 1.75	25	10
47342	M12 x 1.75	30	25
MP47342	M12 x 1.75	30	10
47343	M12 x 1.75	35	25
MP47343	M12 x 1.75	35	10

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

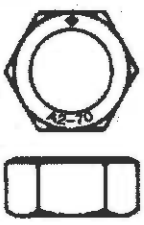
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	Unit
47344	M12 x 1.75	40	25
MP47344	M12 x 1.75	40	10
47345	M12 x 1.75	50	25
MP47345	M12 x 1.75	50	10
47346	M12 x 1.75	55	25
47347	M12 x 1.75	60	25
MP47347	M12 x 1.75	60	10
47348†	M12 x 1.75	70	25
MP47348†	M12 x 1.75	70	10
47349†	M12 x 1.75	80	25
MP47349†	M12 x 1.75	80	10
47349-1†	M12 x 1.75	90	25
MP47349-1†	M12 x 1.75	90	10
47349-2†	M12 x 1.75	100	5
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47350	M16 x 2.0	25	25
MP47350	M16 x 2.0	25	10
47351	M16 x 2.0	30	25
MP47351	M16 x 2.0	30	10
47352	M16 x 2.0	35	25
47353	M16 x 2.0	40	10
47354	M16 x 2.0	45	10
47355	M16 x 2.0	50	10
47356	M16 x 2.0	60	5
47357	M16 x 2.0	70	5
47357-1†	M16 x 2.0	80	5
47357-2†	M16 x 2.0	90	5
47358†	M16 x 2.0	100	5
47359†	M16 x 2.0	120	5
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47360	M20 x 2.5	30	5
47361	M20 x 2.5	40	5
47362	M20 x 2.5	50	5
47363	M20 x 2.5	60	5
47364	M20 x 2.5	70	5
47365	M20 x 2.5	80	5
47366†	M20 x 2.5	100	5
47367†	M20 x 2.5	120	5
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47368	M24 x 3.0	60	1
47377†	M24 x 3.0	150	1

†Din 931

Metric Stainless Steel Hex Nuts

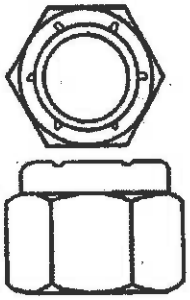


◆ Indicates manufacturer's identification symbol

- Meets DIN 934 dimensional requirements
- Meets mechanical and material specifications of ISO 3506
- Steel Grade A2 (metric equivalent to 18-8 stainless steel)
- Property Class 70

Part No.	Dia. x Pitch	Unit
MP83582	M2 X 0.40	100
47390	M3 x 0.5	100
47391	M4 x 0.7	50
47392	M5 x 0.8	50
47393	M6 x 1.0	50
47395	M8 x 1.25	50
47396	M10 x 1.5	50
47397	M12 x 1.75	25
47397-1	M14 x 2.0	25
47398	M16 x 2.0	25
47399	M20 x 2.5	25
47399-1	M24 x 3.0	5

Metric Stainless Steel Nylon Hex Lock Nuts



- Meets DIN 985 specifications
- Meets mechanical and material specifications of ISO 7040
- ANSI B 18.16.3 M
- Steel Grade A2

PartNo.	Dia.xPitch	Unit
47212	M4x0.7	50
47213	M5x0.8	50
47214	M6x1.0	50
47215	M8x1.25	50
47216	M10x1.5	50
47217	M12x1.75	50

Metric Stainless Steel Flat Washers



- Meets DIN 125A dimensional specifications
- Steel Grade A2 (metric equivalent to 18-8 stainless steel)

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
MP83558	M2	2.2	5	0.3	100
47390	M3	3.2	7	0.5	200
47391	M4	4.3	9	0.8	100
47392	M5	5.3	10	1.0	100
47393	M6	6.4	12	1.6	100
47395	M8	8.4	16	1.6	100
47396	M10	10.5	20	2	100
47397	M12	13	24	2.5	50
47397-1	M14	15	28	2.5	50
47398	M16	17	30	3	50
47399	M20	21	37	3	25
47399-1	M24	25	44	4	25

Metric Stainless Steel Lock Washers

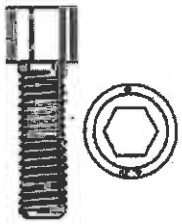
Non-Linking Type



- Meets DIN 127 Type B specifications
- Steel Grade A2 (metric equivalent to 18-8 stainless steel)

Part No.	Bolt Size	Unit
MP83565	M2	100
47202	M3	100
47201	M4	100
47202	M5	100
47203	M6	100
47204	M8	100
47205	M10	50
47206	M12	50
47207	M14	50
47208	M16	25
47209	M18	25
47210	M20	10
47211	M24	10

Metric Stainless Steel Socket Head Cap Screws



◆ Indicates manufacturer's identification symbol

- Meets DIN 912 specifications
- Meets mechanical and material specifications of ISO 3506
- Steel Grade A2 (metric equivalent to 18-8 stainless steel)
- Property Class 70

Part No.	Dia. x Pitch	Length (mm)	Unit
MP83534	M2 X 0.40	10	25
MP83535	M2 X 0.40	16	25
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
MP83536	M3 X .050	4	25
47400	M3 x 0.5	6	100
47401	M3 x 0.5	8	100
47402	M3 x 0.5	10	100
47403	M3 x 0.5	12	100
47404	M3 x 0.5	16	100
47405	M3 x 0.5	20	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47502	M4 x 0.7	6	50
47501	M4 x 0.7	8	50
47502	M4 x 0.7	10	50
47503	M4 x 0.7	12	100
47504	M4 x 0.7	16	50
47505	M4 x 0.7	20	50
47506	M4 x 0.7	25	50
47507	M4 x 0.7	30	50
47509	M4 x 0.7	40	50
47511	M4 x 0.7	50	50

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	Unit
47520	M5x 0.8	6	50
47521	M5x 0.8	8	50
47522	M5x 0.8	10	50
47523	M5x 0.8	12	50
47524	M5x 0.8	16	50
47525	M5x 0.8	20	50
47526	M5x 0.8	25	50
47527	M5x 0.8	30	50
47528	M5x 0.8	35	50
47529	M5x 0.8	40	50
47529-1	M5x 0.8	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
47530	M6 x 1.0	8	50
47531	M6 x 1.0	10	50
47532	M6 x 1.0	12	50
47533	M6 x 1.0	16	50
47534	M6 x 1.0	20	50
47535	M6 x 1.0	25	50
47536	M6 x 1.0	30	50
47537	M6 x 1.0	35	50
47538	M6 x 1.0	40	50
47538-1	M6 x 1.0	45	50
47539	M6 x 1.0	50	50
47539-1	M6 x 1.0	60	50
47539-2	M6 x 1.0	70	50
47539-3	M6 x 1.0	80	25
47539-4	M6 x 1.0	100	25

Part No.	Dia. x Pitch	Length (mm)	Unit
47540	M8 x 1.25	10	50
KP47540	M8 x 1.25	10	25
47541	M8 x 1.25	12	50
KP47541	M8 x 1.25	12	25
47542	M8 x 1.25	16	50
KP47542	M8 x 1.25	16	25
47543	M8 x 1.25	20	50
KP47543	M8 x 1.25	20	25
47544	M8 x 1.25	25	50
KP47544	M8 x 1.25	25	25
47545	M8 x 1.25	30	50
KP47545	M8 x 1.25	30	25
47546	M8 x 1.25	35	50
KP47546	M8 x 1.25	35	25
47547	M8 x 1.25	40	50
KP47547	M8 x 1.25	40	25
47548	M8 x 1.25	45	50
KP47548	M8 x 1.25	45	25
47549	M8 x 1.25	50	25
47549-1	M8 x 1.25	60	25
47549-2	M8 x 1.25	70	25
47549-3	M8 x 1.25	80	25
47549-4	M8 x 1.25	100	10

Part No.	Dia. x Pitch	Length (mm)	Unit
47550	M10 x 1.5	16	50
KP47550	M10 x 1.5	16	25
47551	M10 x 1.5	20	50
KP47551	M10 x 1.5	20	25
47552	M10 x 1.5	25	50
KP47552	M10 x 1.5	25	25
47553	M10 x 1.5	30	50
KP47553	M10 x 1.5	30	25
47554	M10 x 1.5	35	50
KP47554	M10 x 1.50	35	25
47555	M10 x 1.5	40	50
KP47555	M10 x 1.50	40	25
47556	M10 x 1.5	45	25
47557	M10 x 1.5	50	25
47558	M10 x 1.5	55	25
47559	M10 x 1.5	60	25

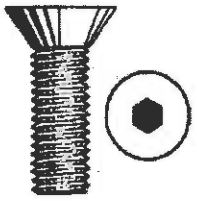
Part No.	Dia. x Pitch	Length (mm)	Unit
47559-1	M10 x 1.5	70	25
47559-2	M10 x 1.5	80	25
47559-3	M10 x 1.5	90	10
47559-4	M10 x 1.5	100	10

Part No.	Dia. x Pitch	Length (mm)	Unit
47560	M12 x 1.75	20	10
47560	M12 x 1.75	25	25
KP47560	M12 x 1.75	25	10
47561	M12 x 1.75	30	25
KP47561	M12 x 1.75	30	10
47562	M12 x 1.75	35	25
KP47562	M12 x 1.75	35	10
47563	M12 x 1.75	40	25
KP47563	M12 x 1.75	40	10
47564	M12 x 1.75	45	25
47565	M12 x 1.75	50	25
47566	M12 x 1.75	55	25
47567	M12 x 1.75	60	10
47568	M12 x 1.75	70	10
47569	M12 x 1.75	80	10
47570	M12 x 1.75	90	10
47571	M12 x 1.75	100	10

Part No.	Dia. x Pitch	Length (mm)	Unit
47574	M16 x 2.0	60	5
47575	M16 x 2.0	70	5
47576	M16 x 2.0	80	5
47577	M16 x 2.0	90	5

Part No.	Dia. x Pitch	Length (mm)	Unit
47581	M20 x 2.5	40	1
47582	M20 x 2.5	50	1
47583	M20 x 2.5	60	1
47585	M20 x 2.5	80	1
47586	M20 x 2.5	100	1

Metric Stainless Steel Socket Flat Head Cap Screws



- Meets DIN 7991 specifications
- Property Class 70
- Steel Grade A2 (metric equivalent to 18-8 stainless steel)

Part No.	Dia. x Pitch	Length (mm)	Unit
47006	M3 x 0.5	6	100
47007	M3 x 0.5	8	100
47008	M3 x 0.5	10	100
47009	M3 x 0.5	12	100
47006	M3 x 0.5	16	100
47045	M3 x 0.5	20	100

Part No.	Dia. x Pitch	Length (mm)	Unit
47010	M4 x 0.7	6	100
47011	M4 x 0.7	8	100
47012	M4 x 0.7	10	100
47013	M4 x 0.7	12	100
47014	M4 x 0.7	16	100
47045	M4 x 0.7	20	100
KP82388	M4 X 0.70	25	25

Part No.	Dia. x Pitch	Length (mm)	Unit
KP82391	M5 X 0.80	8	25
KP82392	M5 X 0.80	10	25
KP82393	M5 X 0.80	12	25
KP82394	M5 X 0.80	16	25
KP82395	M5 X 0.80	20	25
KP82396	M5 X 0.80	25	25
KP82397	M5 X 0.80	30	25

Part No.	Dia. x Pitch	Length (mm)	Unit
47020	M6 x 1.0	8	50
47021	M6 x 1.0	10	50
47022	M6 x 1.0	12	50
47023	M6 x 1.0	16	50
47024	M6 x 1.0	20	50
47025	M6 x 1.0	25	50
47026	M6 x 1.0	30	50
47027	M6 x 1.0	40	50
47028	M6 x 1.0	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
47030	M8 x 1.25	12	25
47031	M8 x 1.25	16	25
47032	M8 x 1.25	20	25
47033	M8 x 1.25	25	25
47034	M8 x 1.25	30	25
47035	M8 x 1.25	40	25
47036	M8 x 1.25	50	25

Part No.	Dia. x Pitch	Length (mm)	Unit
KP82412	M10 X 1.50	16	10
KP82413	M10 X 1.50	20	10
KP82414	M10 X 1.50	25	10
KP82415	M10 X 1.50	30	10
KP82416	M10 X 1.50	35	10
KP82417	M10 X 1.50	40	10
KP82419	M10X 1.50	50	10

Part No.	Dia. x Pitch	Length (mm)	Unit
KP82420	M12 X 1.75	20	10
KP82422	M12 X 1.75	30	10
KP82423	M12 X 1.75	40	10

Metric Stainless Steel Button Socket Cap Screws



- ISO 7380 specification
- Grade A2 stainless steel

Part No.	Dia. x Pitch	Length (mm)	Unit
KP82425	M3 X 0.50	6	25
KP82426	M3 X 0.50	8	25
KP82427	M3 X 0.50	10	25
KP82428	M3 X 0.50	12	25
KP82430	M3 X 0.50	16	25

Part No.	Dia. x Pitch	Length (mm)	Unit
KP82432	M4 X 0.70	10	25
KP82433	M4 X 0.70	12	25
KP82435	M4 X 0.70	16	25

Continued on next page

GRAYSON INDUSTRIES, INC.

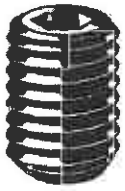
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	Unit
[illegible]	M5 X 0.80	8	25
[illegible]	M5 X 0.80	10	25
[illegible]	M5 X 0.80	12	25
[illegible]	M5 X 0.80	16	25
[illegible]	M5 X 0.80	20	25
[illegible]	M5 X 0.80	25	25
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
[illegible]	M6 X 1.00	8	25
[illegible]	M6 X 1.00	10	25
[illegible]	M6 X 1.00	12	25
[illegible]	M6 X 1.00	16	25
[illegible]	M6 X 1.00	20	25
[illegible]	M6 X 1.00	25	25
[illegible]	M6 X 1.00	30	25

Metric 304 Stainless Steel Hex Socket Set Screws

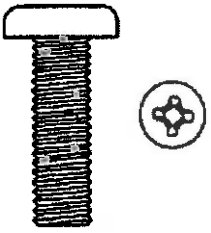


- Steel Grade A2 (metric equivalent to 18-8 stainless steel)
- Meets DIN 916 A2 specifications
- Cup point

Part No.	Dia. x Pitch	Length (mm)	Unit
47909	M2 x 0.4	3	50
47901	M2 x 0.4	4	50
47902	M2 x 0.4	5	50
47903	M2 x 0.4	6	50
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47910	M2.5 x 0.45	4	50
47911	M2.5 x 0.45	5	50
47912	M2.5 x 0.45	6	50
47913	M2.5 x 0.45	8	50
47914	M2.5 x 0.45	10	50
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47920	M3 x 0.5	5	50
47921	M3 x 0.5	6	50
47922	M3 x 0.5	8	50
47923	M3 x 0.5	10	50
47926	M3 x 0.5	16	50
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47930	M4 x 0.7	5	50
47931	M4 x 0.7	6	50
47932	M4 x 0.7	8	50
47933	M4 x 0.7	10	50
47934	M4 x 0.7	12	50
47936	M4 x 0.7	16	50
47938	M4 x 0.7	20	50
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47940	M5 x 0.8	6	50
47941	M5 x 0.8	8	50
47942	M5 x 0.8	10	50
47943	M5 x 0.8	12	50
47945	M5 x 0.8	16	50
47947	M5 x 0.8	20	50
47949	M5 x 0.8	30	50

Part No.	Dia. x Pitch	Length (mm)	Unit
KP86769	M6 X 1.00	6	25
KP86926	M6 X 1.00	8	25
47955	M6 x 1.0	10	50
KP86927	M6 X 1.0	12	25
47958	M6 x 1.0	16	50
47959	M6 x 1.0	20	50
47962	M6 x 1.0	30	25
47964	M6 x 1.0	40	25
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47970	M8 x 1.25	10	50
47973	M8 x 1.25	16	50
47975	M8 x 1.25	20	50
47977	M8 x 1.25	30	25
47979	M8 x 1.25	40	25
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47985	M10 x 1.5	16	25
47987	M10 x 1.5	20	25
47989	M10 x 1.5	30	10
47991	M10 x 1.5	40	10
47993	M10 x 1.5	50	10
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
47995	M12 x 1.75	20	10
47997	M12 x 1.75	30	10
47998	M12 x 1.75	40	10
47999	M12 x 1.75	50	10

Metric Phillips Pan Head - Stainless Steel



The low profile head provides a large bearing surface.

- Meets JIS 1171 specifications
- 18-8 stainless steel.

Part No.	Dia. x Pitch	Length (mm).	Unit
C30115	M3 x 0.50	5	100
C30116	M3 x 0.50	6	100
C30117	M3 x 0.50	8	100
C30118	M3 x 0.50	10	100
C30119	M3 x 0.50	16	100
C30120	M3 x 0.50	20	100
C30121	M4 x 0.70	8	100
C30122	M4 x 0.70	10	100
C30123	M4 x 0.70	12	100
C30124	M4 x 0.70	16	100
C30125	M4 x 0.70	20	100
C30126	M4 x 0.70	25	100
C30127	M5 x 0.80	10	50
C30128	M5 x 0.80	16	50
C30129	M5 x 0.80	20	50
C30130	M6 x 1.00	12	50
C30131	M6 x 1.00	16	50
C30132	M6 x 1.00	20	50
C30133	M6 x 1.00	25	50

Metric Stainless Steel

Phillips Pan Head Machine Screws DIN 7985

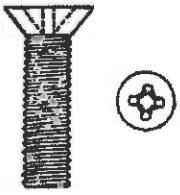


- A2 stainless steel

Part No.	Dia. x Pitch	Length (mm)	Unit
KP83538	M2 X 0.40	6	100
KP83539	M2 X 0.40	8	100
KP83540	M2 X 0.40	10	100
KP83541	M2 X 0.40	16	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
KP80457	M2.5 X 0.45	8	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
KP80458	M3 X 0.50	5	100
KP87163	M3 X 0.50	6	100
KP83542	M3 X 0.50	8	100
KP83543	M3 X 0.50	10	100
KP83544	M3 X 0.50	16	100
KP83545	M3 X 0.50	20	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
KP80459	M4 X 0.70	6	100
KP87164	M4 X 0.70	8	100
KP87165	M4 X 0.70	10	100
KP87166	M4 X 0.70	12	100
KP83546	M4 X 0.70	16	100
KP83547	M4 X 0.70	20	100
KP83548	M4 X 0.70	25	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
KP80460	M5 X 0.80	8	100
KP83549	M5 X 0.80	10	100
KP87167	M5 X 0.80	12	100
KP83550	M5 X 0.80	16	100
KP87168	M5 X 0.80	20	100
KP83551	M5 X 0.80	25	100
Part No.	**Dia. x Pitch**	**Length (mm)**	**Unit**
KP87169	M6 X 1.00	10	100
KP87170	M6 X 1.00	12	100
KP87171	M6 X 1.00	16	100
KP87172	M6 X 1.00	20	100
KP87173	M6 X 1.00	25	100
KP87174	M6 X 1.00	30	100

Metric Stainless Steel

Phillips Flat Head Machine Screws DIN 965



A2 stainless steel

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Metric Fasteners & Thread Repair Inserts 139

Continued from previous page

Part No.	Dia. x Pitch	Length (mm)	Unit
MP80923	M2 X 0.40	4	100
MP80929	M2 X 0.40	6	100
MP23936	M2 X 0.40	8	100
MP23937	M2 X 0.40	10	100

Part No.	Dia. x Pitch	Length (mm)	Unit
MP80942	M2.5 X 0.45	5	100
MP80943	M2.5 X 0.45	6	100
MP23944	M2.5 X 0.45	8	100

Part No.	Dia. x Pitch	Length (mm)	Unit
MP80946	M3 X 0.50	6	100
MP80947	M3 X 0.50	8	100
MP80948	M3 X 0.50	10	100
MP80951	M3 X 0.50	16	100
MP86956	M3 X 0.50	20	100

Part No.	Dia. x Pitch	Length (mm)	Unit
MP80957	M4 X 0.70	6	100
MP80958	M4 X 0.70	8	100
MP80959	M4 X 0.70	10	100
MP80961	M4 X 0.70	12	100
MP86965	M4 X 0.70	16	100
MP87965	M4 X 0.70	20	100

Part No.	Dia. x Pitch	Length (mm)	Unit
MP86997	M5 X 0.80	8	100
MP86998	M5 X 0.80	10	100
MP87913	M5 X 0.80	12	100
MP87918	M5 X 0.80	16	100
MP87926	M5 X 0.80	20	100
MP87935	M5 X 0.80	25	100

Part No.	Dia. x Pitch	Length (mm)	Unit
MP86712	M6 X 1.00	10	100
MP86718	M6 X 1.00	12	100
MP86714	M6 X 1.00	16	100
MP87721	M6 X 1.00	20	100

Metric Stainless Steel Spring Pins



- Meets DIN 1481 specifications
- AISI 301 stainless steel

Part No.	Diameter	Length (mm)	Unit
47600	M2.5	6	100
47601	M2.5	8	100
47602	M2.5	10	100
47605	M2.5	16	50
47607	M2.5	20	50

Part No.	Diameter	Length (mm)	Unit
47610	M3	6	100
47611	M3	8	100
47612	M3	10	50
47615	M3	16	50
47617	M3	20	50
47619	M3	30	50

Part No.	Diameter	Length (mm)	Unit
47662	M4	8	50
47663	M4	10	50
47626	M4	16	50
47628	M4	20	25
47630	M4	30	25
47632	M4	40	25

Part No.	Diameter	Length (mm)	Unit
47635	M6	10	25
47625	M6	16	25
47640	M6	20	25
47642	M6	30	25
47644	M6	40	10
47646	M6	50	10

Part No.	Diameter	Length (mm)	Unit
47643	M8	10	10
47654	M8	20	10
47655	M8	30	10
47658	M8	40	10
47660	M8	50	10

Part No.	Diameter	Length (mm)	Unit
47663	M10	10	10
47662	M10	20	10
47670	M10	30	5
47672	M10	40	5
47674	M10	50	5
47676	M10	60	5

Metric Stainless Steel Dowel Pins



- Meets VSM 12771B h8 specifications
- Steel Grade A1
- Property Class 50

Part No.	Diameter	Length (mm)	Unit
40920	M3	6	50
MP40000	M3	6	25
40001	M3	8	50
MP40001	M3	8	25
40002	M3	10	50
MP40002	M3	10	25
40003	M3	16	50
MP40003	M3	16	25
40004	M3	20	50
MP40004	M3	20	25

Part No.	Diameter	Length (mm)	Unit
40905	M4	6	50
MP40005	M4	6	10
40006	M4	8	50
MP40006	M4	8	10
40007	M4	10	50
MP40007	M4	10	10
40008	M4	16	50
MP40008	M4	16	10
40009	M4	20	50
MP40009	M4	20	10
40010	M4	25	50
MP40010	M4	25	10

Part No.	Diameter	Length (mm)	Unit
40011	M5	8	50
MP40011	M5	8	10
40012	M5	10	50
MP40012	M5	10	10
40013	M5	16	50

Part No.	Diameter	Length (mm)	Unit
MP40010	M5	16	10
40014	M5	20	50
MP40014	M5	20	10
40015	M5	25	25
MP40015	M5	25	10
40016	M5	30	25

Part No.	Diameter	Length (mm)	Unit
40017	M6	10	25
40018	M6	16	25
40019	M6	20	25
40020	M6	25	10
40021	M6	30	10
40022	M6	50	10

18-8 Metric Stainless Steel Threaded Rod

Canada Only



Part No.	Size	Thread Pitch	Length (Metres)	Unit
+CDS51276	M6	1.00	1	1
+CDS51352	M8	1.25	1	1
+CDS51414	M10	1.50	1	1
+CDS51467	M12	1.75	1	1

+Canada only

Heli-Coil Thread Repair

Heli-Coil Coarse Thread Repair Kits



Each kit includes one tap, one mandrel tool and a quantity of inserts.

Kits

Part No.	Insert Size	Length	Inserts per Kit	Drill Size (in.)	Unit
22500	No. 8 - 32	.246	12	11/64	1
22501	No. 10 - 24	.285	12	13/64	1
MP22501-1	No. 12 - 24	.324	12	15/64	1
22502	No. 1/4 - 20	.375	12	17/64	1
22503	No. 5/16 - 18	.469	12	21/64	1
22504	No. 3/8 - 16	.562	12	25/64	1
22505	No. 7/16 - 14	.656	6	29/64	1
22506	No. 1/2 - 13	.750	6	17/32	1
22507	No. 9/16 - 12	.844	6	19/32	1
22508	No. 5/8 - 11	.938	6	21/32	1
22509	No. 3/4 - 10	1.125	4	25/32	1
MP22509-1†	No. 1/8 - 9	1.312	6	29/32	1

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Insert Size	Length	Inserts per Kit	Drill Size (In.)	Unit
¤22509-2†	No. 1 - 8	1.500	6	1½2	1
¤22509-3†	No. 1¼ - 7	1.688	5	1⅝2	1
¤22509-4†	No. 1¼ - 7	1.875	4	1⅝2	1
¤22509-5†	No. 1⅜ - 6	2.062	4	1¹³⁄32	1
¤22509-6†	No. 1½ - 6	2.250	4	1¹⁷⁄32	1

Replacement Inserts

Part No.	Insert Size	Unit
22511	No. 8 - 32	12
22511-1	No. 10 - 24	12
¤22511-2	No. 12 - 24	1
22512	No. ¼ - 20	12
22513	No. 5⁄16 - 18	12
22514	No. ⅜ - 16	12
22515	No. 7⁄16 - 14	6
22516	No. ½ - 13	6
22517	No. 9⁄16 - 12	6
22518	No. ⅝ - 11	6
22519	No. ¾ - 10	4
¤22519-1	No. ⅞ - 9	1
¤22519-2	No. 1 - 8	1
¤22519-3	No. 1⅛ - 7	1
¤22519-4	No. 1¼ - 7	1
¤22519-5	No. 1⅜ - 6	1
¤22519-6	No. 1½ - 6	1

Installation Tools

Part No.	Insert Size	Unit
¤22520	No. 8 - 32	1
22521	No. 10 - 24	1
¤22521-1	No. 12 - 24	1
22522	No. ¼ - 20	1
22523	No. 5⁄16 - 18	1
22524	No. ⅜ - 16	1
22525	No. 7⁄16 - 14	1
22526	No. ½ - 13	1
22527	No. 9⁄16 - 12	1
22528	No. ⅝ - 11	1
22529	No. ¾ - 10	1
¤22529-1	No. ⅞ - 9	1
¤22529-2	No. 1 - 8	1
¤22529-3	No. 1⅛ - 7	1
¤22529-4	No. 1¼ - 7	1
¤22529-5	No. 1⅜ - 6	1
¤22529-6	1½ - 6	1

STI Taps

Part No.	Insert Size	Unit
¤22590-1	No. 8 - 32	1
22590-2	No. 10 - 24	1
¤22590-3	No. 12 - 24	1
22590	No. ¼ - 20	1
22592	No. 5⁄16 - 18	1
22594	No. ⅜ - 16	1
22596	No. 7⁄16 - 14	1
22598	No. ½ - 13	1
22598-1	No. 9⁄16 - 12	1
22598-2	No. ⅝ - 11	1
22598-3	No. ¾ - 10	1
¤22598-4	No. ⅞ - 9	1
¤22598-6	No. 1 - 8	1
¤22598-8	No. 1⅛ - 7	1
¤22598-10	No. 1¼ - 7	1
¤22598-12	No. 1⅜ - 6	1
¤22598-14	No. 1½ - 6	1

†Kits come in a metal case with high speed drill for ½" chucks.

Heli-Coil Fine Thread Repair Kits



Each kit includes: one tap, one mandrel tool, and a quantity of inserts.

Kits

Part No.	Insert Size	Length (In.)	Inserts per Kit	Drill Size (In.)	Unit
22581	No. 10 -32	.285	12	9⁄64	1
22582	No. ¼ -28	.375	12	17⁄64	1
22583	No. 5⁄16 -24	.469	12	21⁄64	1
22584	No. ⅜ -24	.562	12	25⁄64	1
22585	No. 7⁄16 -20	.656	6	29⁄64	1
22586	No. ½ -20	.750	6	33⁄64	1
22587	9⁄16 -18	.844	6	37⁄64	1
22588	⅝ -18	.938	6	41⁄64	1
22589	¾ -16	1.125	4	49⁄64	1
¤22589-1†	⅞ -14	1.312	6	57⁄64	1
¤22589-2†	1 -14	1.500	6	1- 1⁄64	1
¤22589-3†	1 -12	1.500	6	1- 1⁄64	1
¤22589-4†	1⅛ -12	1.688	5	1- 5⁄32	1
¤22589-5†	1¼ -12	1.875	4	1- 9⁄32	1
¤22589-6†	1⅜ -12	2.062	4	1- 13⁄32	1
¤22589-7†	1½ -12	2.250	4	1- 17⁄32	1

Replacement Inserts

Part No.	Insert Size	Unit
22541	No. 10 -32	12
22542	No. ¼ -28	12
22543	No. 5⁄16 -24	12
22544	No. ⅜ -24	12
22545	No. 7⁄16 -20	6
22546	No. ½ -20	6
22547	No. 9⁄16 -18	6
22548	No. ⅝ -18	6
22549	No. ¾ -16	4
¤22549-1	No. ⅞ -14	1
¤22549-2	No. 1 -14	1
¤22549-3	No. 1 -12	1
¤22549-4	No. 1⅛ -12	1
¤22549-5	No. 1¼ -12	1
¤22549-6	No. 1⅜ -12	1
¤22549-7	No. 1½ -12	1

Installation Tools

Part No.	Insert Size	Unit
22551	No. 10 -32	1
22552	No. ¼ -28	1
22553	No. 5⁄16 -24	1
22554	No. ⅜ -24	1
22555	No. 7⁄16 -20	1
22556	No. ½ -20	1
22557	No. 9⁄16 -18	1
22558	No. ⅝ -18	1
22559	No. ¾ -16	1
¤22559-1	No. ⅞ -14	1
¤22559-2	No. 1 -14	1
¤22559-3	No. 1 -12	1
¤22559-4	No. 1⅛ -12	1
¤22559-5	No. 1¼ -12	1
¤22559-6	No. 1⅜ -12	1
¤22559-7	No. 1½ -12	1

STI Taps

Part No.	Insert Size	Unit
22589	No. 10 -32	1
22591	No. ¼ -28	1
22593	No. 5⁄16 -24	1
22595	No. ⅜ -24	1
22597	No. 7⁄16 -20	1
22599	No. ½ -20	1
¤22599-1	No. 9⁄16 -18	1
¤22599-2	No. ⅝ -18	1
¤22599-3	No. ¾ -16	1
¤22599-5	No. ⅞ -14	1
¤22599-7	No. 1 -14	1
¤22599-9	No. 1 -12	1
¤22599-11	No. 1⅛ -12	1
¤22599-13	No. 1¼ -12	1
¤22599-15	No. 1⅜ -12	1
¤22599-17	No. 1½ -12	1

Kits come in a metal case with high speed drill for ½" chucks.

Heli-Coil Metric Standard Thread Repair Kits



Each kit includes one tap, one mandrel tool, and a quantity of inserts.

Kits

Part No.	Insert Size	Length (mm)	Inserts per Kit	Drill Size (In.)	Unit
¤22560	M3 x 0.50	4.5	12	1⁄8	1
¤22560-1	M4 x 0.70	6.0	12	11⁄64	1
22561	M5 x 0.80	7.5	12	13⁄64	1
22562	M6 x 1.00	9.0	12	¼	1
¤22562-1	M7 x 1.00	10.5	12	9⁄32	1
22563	M8 x 1.25	12.0	12	21⁄64	1
¤22563-1	M9 x 1.25	13.5	12	"U"	1
22564	M10 x 1.50	15.0	12	13⁄32	1
¤22564-1	M11 x 1.50	16.5	6	29⁄64	1
22565	M12 x 1.75	18.0	6	31⁄64	1
¤22565-1	M14 x 2.00	21.0	6	35⁄64	1
¤22565-2	M16 x 2.00	24.0	6	21⁄32	1
¤22565-3	M18 x 2.50	27.0	6	47⁄64	1
¤22565-4	M20 x 2.50	30.0	6	53⁄64	1

Replacement Inserts

Part No.	Insert Size	Unit
¤22570	M3 x 0.50	1
¤22570-1	M4 x 0.70	1
22571	M5 x 0.80	12
22572	M6 x 1.00	12
¤22572-1	M7 x 1.00	1
22573	M8 x 1.25	12
¤22573-1	M9 x 1.25	1

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Thread Repair Inserts

Continued from previous page

Part No.	Insert Size	Unit
22574	M10 x 1.50	12
22574-1	M11 x 1.50	1
22575	M12 x 1.75	6
22575-1	M14 x 2.00	1
22575-2	M16 x 2.00	1
22575-3	M18 x 2.50	1
22575-4	M20 x 2.50	1

Installation Tools

Part No.	Insert Size	Unit
22569	M3 x 0.50	1
22569-1	M4 x 0.70	1
22569-2	M5 x 0.80	1
22569-3	M6 x 1.00	1
22569-4	M7 x 1.00	1
22569-5	M8 x 1.25	1
22569-6	M9 x 1.25	1
22569-7	M10 x 1.50	1
22569-8	M11 x 1.50	1
22569-9	M12 x 1.75	1
22569-10	M14 x 2.00	1
22569-11	M16 x 2.00	1
22569-12	M18 x 2.50	1
22569-13	M20 x 2.50	1

Taps

Part No.	Insert Size	Unit
22585-3	M3 x 0.50	1
22585-4	M4 x 0.70	1
22585-5	M5 x 0.80	1
22442-6	M6 x 1.00	1
22585-7	M7 x 1.00	1
22442-8	M8 x 1.25	1
22585-9	M9 x 1.25	1
22442-10	M10 x 1.50	1
22585-11	M11 x 1.50	1
22442-12	M12 x 1.75	1
22585-14	M14 x 2.00	1
22585-16	M16 x 2.00	1
22585-18	M18 x 2.50	1
22585-20	M20 x 2.50	1

Heli-Coil Metric Fine Thread Repair Kits



Each kit includes one tap, one mandrel tool and a quantity of inserts.

Kits

Part No.	Insert Size	Length (mm)	Inserts per Kit	Drill Size (in.)	Unit
22566	M8 x 1.00	8.0	12	21/64	1
22566-1	M10 x 1.00	15.0	12	13/32	1
22566-2	M11 x 1.00	11.0	6	7/16	1
22566-3	M10 x 1.25	15.0	12	13/32	1
22566-4	M11 x 1.25	16.5	6	29/64	1
22566-5	M12 x 1.50	18.0	6	15/32	1
22566-6	M14 x 1.50	21.0	6	9/16	1
22566-7	M16 x 1.50	24.0	6	37/64	1

Replacement Inserts

Part No.	Insert Size	Unit
22568	M8 x 1.00	1
22568-1	M10 x 1.00	1
22568-2	M11 x 1.00	1
22568-3	M10 x 1.25	1
22568-4	M11 x 1.25	1
22568-5	M12 x 1.50	1
22568-6	M14 x 1.50	1
22568-7	M16 x 1.50	1

Installation Tools

Part No.	Insert Size	Unit
22567	M8 x 1.00	1
22567-1	M10 x 1.00	1
22567-2	M11 x 1.00	1
22567-3	M10 x 1.25	1
22567-4	M11 x 1.25	1
22567-5	M12 x 1.50	1
22567-6	M14 x 1.50	1
22567-7	M16 x 1.50	1

STI Taps

Part No.	Insert Size	Unit
22465-8	M8 x 1.00	1
22465-10	M10 x 1.00	1
22465-11	M11 x 1.00	1
22466-10	M10 x 1.25	1
22466-11	M11 x 1.25	1
22467-12	M12 x 1.50	1
22467-14	M14 x 1.50	1
22467-16	M16 x 1.50	1

Heli-Coil Spark Plug Repair Inserts



Part No.	Size	Reach	Length (mm)	Unit
22581	M14 x 1.25	Short	14	2
22582	M14 x 1.25	Normal	21	2
22583	M14 x 1.25	Long	28	2

Heli-Coil Sav-A-Thread Spark Plug Repair Kit



- For M14 x 1.25
- Repair kit contains a piloted tap (no drilling necessary), an expanding tool and three inserts: short, normal, and long reaches

Part No.	Description	Unit
22587	Heli-Coil Sav-A-Thread Spark Plug Repair Kit	1

NOTE: Some automotive models cannot use this style Heli-Coil. Refer to the manufacturers information for recommendations.

Non-Grip Sensitive Inserts

Non-Grip-Sensitive Threaded Inserts

- Steel (C-1110)
- Blind installation
- High resistance to torque-out
- Permits flush mounting
- Vibration resistant
- Self-tightening with reuse
- Zinc plated

Hand Tool: Part No. 45040 The Hi-Torquer Manual Placing Tool



Inch Series

Part No.	Thread Size	Grip Range (in.)	Hole Size (in.)	Recommended Drill Part No.	Unit
45230	No. 4-40	≥.030	3/16" (.1875)	20908	100
MP45230	No. 4-40	≥.030	3/16" (.1875)	20908	50
45231	No. 6-32	≥.030	7/32" (.21875)	20910	100
MP45231	No. 6-32	≥.030	7/32" (.21875)	20910	50
45232	No. 8-32	≥.030	1/4" (.2495)	20912	100
MP45232	No. 8-32	≥.030	1/4" (.2495)	20912	50
45233	No. 10-24	≥.030	9/32" (.2805)	20914	100
MP45233	No. 10-24	≥.030	9/32" (.2805)	20914	50
45234	No. 10-32	≥.030	9/32" (.2805)	20914	100
MP45234	No. 10-32	≥.030	9/32" (.2805)	20914	50
MP75562	No. 12-24	≥.030	3/8" (.3745)	28920	50
45235	1/4"-20	≥.030	3/8" (.3745)	28920	50
MP45235	1/4"-20	≥.030	3/8" (.3745)	28920	25
C137590	No. 10-32	≥.030	9/32" (.2805)	20914	10
45236	1/4"-28	≥.030	3/8" (.3745)	28920	50
MP45236	1/4"-28	≥.030	3/8" (.3745)	28920	25
45237	5/16"-18	≥.030	1/2" (.4995)	28928	25
MP45237	5/16"-18	≥.030	1/2" (.4995)	28928	10

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Thread Size	Grip Range (In.)	Hole Size (In.)	Recommended Drill Part No.	Unit
45238	5/16"-24	≥.030	1/2" (.4995)	20928	25
MP45238	5/16"-24	≥.030	1/2" (.4995)	20928	10
45239	3/8"-16	≥.030	9/16" (.5615)	20952*	25
MP45239	3/8"-16	≥.030	9/16" (.5615)	20952*	10

*1/2" Reduced Shank
Use with Conversion Kit Part Nos. 45330 thru 45340
†Aluminum

Metric Series

Part No.	Thread Size	Grip Range (In.)	Hose Size (mm)	Recommended Drill Part No.	Unit
45250	M3 x .05	≥.030	4.75	20903	100
45251	M4 x 0.7	≥.030	5.55	20910	100
45252	M5 x 0.8	≥.030	7.12	20914	100
45253	M6 x 1.0	≥.030	9.50	20920	50
45254	M8 x 1.25	≥.030	12.70	20928	25
45255	M10 x 1.5	≥.030	14.25	20952*	25

*1/2" Reduced Shank
Use with Conversion Kit Part Nos. 45350 thru 45355
*The suggested hole size works well in softer materials but may have to be enlarged in certain types of plastic to prevent splitting and in hard materials to allow nuts to pull up into into the sleeve. It is recommended that the inserts be tested in the application before finalizing the hole size.
NOTE: Internal threads are manufactured oversize due to the mechanical function of the inserts and are not gaugable before or after installation. However, they are always compatible with Class 2 bolts.

Metric Stainless Steel Non-Grip Sensitive Threaded Inserts



- 304 stainless steel
- High torque-out values
- Vibration resistant
- Blind installation
- Permits flush mounting
- Self-tightening with reuse
- Use installation tool part no. 45040
- Passivated cadmium coated

Part No.	Thread Size	Grip Range (In.)	Hole Size (mm)
45314	M8 x 1.25	≥.030	12.70
45315	M10 x 1.5	≥.030	14.75

Part No.	Recommended Drill Bit Part No.	Conversion Kit Part No.	Unit
45314	20928	45354	5
45315	2095220952	45355	5

† 1/2" reduced shank
Note: Conversion kits in the Miscellaneous Fasteners section

Stainless Steel (18-8) Non-Grip Sensitive Threaded Inserts



- 304 stainless steel
- Passivated zinc plated
- High torque-out values
- Vibration resistant
- Blind installation
- Permits flush mounting
- Self-tightening with reuse
- Use installation tool part no. 45040

Part No.	Thread Size (In.)	Grip Range (In.)	Hole Size (In.)	Unit
45291	No. 6-32	>=.030	7/32 (.21875)	10
45292	No. 8-32	>=.030	1/4 (.2495)	10
45294	No. 10-32	>=.030	9/32 (.2805)	10
45295	1/4-20	>=.030	3/8 (.3745)	10
45296	1/4-28	>=.030	3/8 (.3745)	10
45298	5/16-24	>=.030	1/2 (.4995)	5
45299	3/8-16	>=.030	9/16 (.5615)	5
45300	3/8-24	>=.030	9/16 (.5615)	5

Part No.	Recommended Drill Bit Part No.	Conversion Kit Part No.
45291	20910	45331
45292	20912	45332
45294	20914	45334
45295	20920	45335
45296	20920	45336
45298	20928	45338
45299	20952†	45339
45300	20952†	45340

NOTE: Inch series threads are Class 2B.
† 1/2" Reduced Shank

Conversion Kits

Non-Grip Sensitive Threaded Inserts



Part No.	Thread Size	Unit
45330	No. 4-40	1
45331	No. 6-32	1
45332	No. 8-32	1
45333	No. 10-24	1
45334	No. 10-32	1
MP7334-8	No. 12-24	1
45335	1/4-20	1
45336	1/4-28	1
45337	5/16-18	1
45338	5/16-24	1
45339	3/8-16	1
45340	3/8-24	1
45350	M3 x 0.5	1
45351	M4 x 0.7	1
45352	M5 x 0.8	1
45353	M6 x 1.0	1
45354	M8 x 1.25	1
45355	M10 x 1.5	1

The Hi-Torquer Manual Placing Tool

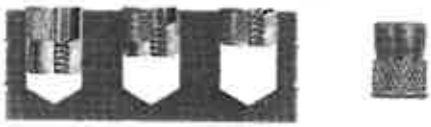
Non-Grip Sensitive Threaded Inserts



- Quick release ratchet allows fast change to different thread sizes
- No extra tools needed
- For installing non-grip-sensitive inserts
- Use with thread conversion kits — nos. 45330-45355

Part No.	Description	Unit
45340	The Hi-Torquer Manual Placing Tool	1

Knurled Non-Grip-Sensitive Threaded Inserts



- The diamond knurl makes the insert ideal for soft material applications, such as plastics, fiberglass, wood, structural foam, aluminum, etc.
- Can be used in thinner materials where the shallowest insert protrusion on the backside is desired
- High torque-out values
- High pull-out values
- Blind installation
- Installation will not mar parent material
- Ideal for high-speed production
- Wear-resistant threads
- Nearly flush installation; only .015 protrusion
- Install after painting
- Use in standard drilled holes
- Steel (C-1010/C-1110)
- Cadmium plated
- How it works: The installation tool pulls the "cone" shaped nut into the sleeve, expanding the "Diamond Knurl" into the parent material. This locks it in place and gives very high torque-out resistance and pull-out values.

Inch Series (Knurled for Soft Materials)

Part No.	Thread Size (In.)	*Hole Size (In.)	Min. Hole Depth (In.)	Unit
43050	No. 6-32	15/64 (.234)	.40	100
MP43050	No. 6-32	15/64 (.234)	.40	50
43051	No. 8-32	17/64 (.266)	.40	100
MP43051	No. 8-32	17/64 (.266)	.40	50
43052	No. 10-24	19/64 (.297)	.40	100
MP43052	No. 10-24	19/64 (.297)	.40	50
43053	No. 10-32	19/64 (.297)	.40	100
MP43053	No. 10-32	19/64 (.297)	.40	50
43054	1/4-20	25/64 (.391)	.54	50
MP43054	1/4-20	25/64 (.391)	.54	25
43055	1/4-28	25/64 (.391)	.54	50
MP43055	1/4-28	25/64 (.391)	.54	25
43056	5/16-18	17/32 (.531)	.64	25
MP43056	5/16-18	17/32 (.531)	.64	10
43057	5/16-24	17/32 (.531)	.64	25
MP43057	5/16-24	17/32 (.531)	.64	10

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Thread Size (In.)	*Hole Size (In.)	Min. Hole Depth (In.)	Unit
45053	5/16-16	19/32 (.594)	.77	25
MP45058	5/16-16	19/32 (.594)	.77	10
45059	5/16-24	19/32 (.594)	.77	25
MP45059	5/16-24	19/32 (.594)	.77	10

Use with Conversion Kit Part Nos. 45330 thru 45340

Metric Series (Knurled for Soft Material)

Part No.	Thread Size (mm)	*Hole Size (mm)	Min. Hole Depth (mm)	Unit
45360	M4 x .7	6.75	10.16	100
45361	M5 x .8	7.54	10.16	100
45362	M6 x 1.0	9.92	13.72	50
45363	M8 x 1.25	13.49	16.26	25

Use with Conversion Kit Part Nos. 45350 thru 45355

*The suggested hole size works well in softer materials but may have to be enlarged in certain types of plastic to prevent splitting and in hard materials to allow nuts to pull up into the sleeve. It is recommended that the inserts be tested in the application before finalizing the hole size.

NOTE: Internal threads are manufactured oversize due to the mechanical function of the inserts and are not gaugable before or after installation. However, they are always compatible with Class 2 bolts.

Grip Sensitive Inserts

Grip-Sensitive Threaded Inserts



- Useable in oversize and irregular holes
- High torque-out values
- Self-tightening with reuse
- Zinc plated
- High pull-out values
- Steel (C-1010/C-1008)
- Permits flush mounting
- Blind installation

Hand Tool: Part No. 45045, Plier Type Hand Tool

Inch Series

Part No.	Thread Size (In.)	Grip Range (In.)	Hole Size (In.)	Recommended Drill Part No.	Unit
45300	No. 6-32	.020 -.080	17/64	20913	100
MP45301	No. 8-32	.020 -.080	17/64	20913	100
45302	No. 10-24	.020 -.130	19/64	20915	100
45303	No. 10-32	.020 -.130	19/64	20915	100
45304	1/4-20	.027 -.165	25/64	20921	50
45305	1/4 -28	.027 -.165	25/64	20921	50
45306	5/16-18	.027 -.150	17/32	20951*	25
45307	5/16-24	.027 -.150	17/32	20951*	25
45308	3/8-16	.027 -.150	17/32	20951*	25
MP45309	3/8-24	.017 -.150	17/32	20951*	25

NOTE: Inch series threads are Class 2B

*1/2" Reduced shank

Use Conversion Kit Part Nos. 45300-1 through 45309

Metric Series

Part No.	Thread Size	Grip Range (In.)	Hole Size (mm)	Recommended Drill Part No.	Unit
45320	M4 x 0.7	.500 - 2.0	6.8	20870-H	100
45321	M5 x 0.8	.500 - 3.3	7.6	20915	100
45322	M6 x 1.0	.700 - 4.2	10.0	20921	50
45323	M8 x 1.25	.700 - 3.8	13.5	20951*	25
45324	M10 x 1.5	.700 - 3.8	13.5	20951*	25

NOTE: Metric series threads are Class 6H

*1/2" Reduced Shank

Use conversion Kit Part Nos. 45320 through 45324

Sealed Grip-Sensitive Threaded Inserts



- Rubberized seal under the head
- Useable in oversize and irregular holes
- Sealed head prevents moisture and water seepage
- High torque-out values resist spinning due to cross threading or overtightening
- High pull-out values — very hard to pull through materials due to the "bubble" on the backside
- Wide grip range
- One length does the job of numerous other inserts
- Blind installation
- Steel (C-1010/C-1008)
- Permits flush mounting
- Zinc Plated
- Applications:
  - -Luggage racks for car and van roof tops
  - -Ski racks or decorative trip for deck lids
  - -Other applications where weather proofing is required
- How it works: The installation tool reforms the insert and locks it in place above and below the parent material giving very high torque-out resistance and pull-out values

Inch Series

Part No.	Thread Size	Grip Range (In.)	Hole Size	Unit
45020	No. 6-32	.020 - .080	17/64 (.2656)	100
MP45020	No. 6-32	.020 - .080	17/64 (.2656)	50
45021	No. 8-32	.020 - .080	17/64 (.2656)	100
MP45021	No. 8-32	.020 - .080	17/64 (.2656)	50
45022	No. 10-24	.020 - .130	19/64 (.2969)	100
MP45022	No. 10-24	.020 - .130	19/64 (.2969)	50
45023	No. 10-32	.020 - .130	19/64 (.2969)	100
MP45023	No. 10-32	.020 - .130	19/64 (.2969)	50
45024	1/4-20	.027 - .165	25/64 (.3906)	50
MP45024	1/4-20	.027 - .165	25/64 (.3906)	25
45025	1/4-28	.027 - .165	17/32 (.5312)	50
MP45025	1/4-28	.027 - .165	17/32 (.5312)	25
45026	5/16-18	.027 - .150	17/32 (.5312)	25
MP45026	5/16-18	.027 - .150	17/32 (.5312)	10
45027	5/16-24	.027 - .150	17/32 (.5312)	25
MP45027	5/16-24	.027 - .150	17/32 (.5312)	10
45028	3/8-16	.027 - .150	17/32 (.5312)	25
MP45028	3/8-16	.027 - .150	17/32 (.5312)	10
45029	3/8-24	.027 - .150	17/32 (.5312)	25
MP45029	3/8-24	.027 - .150	17/32 (.5312)	10

NOTE: Inch series threads are class 2B.

Use conversion Kit Part Nos. 45300-1 through 45309

Metric Series

Part No.	Thread Size	Grip Range (mm)	Hole Size	Unit
45030	M4 x .7	.50 - 2.0	6.8	100
MP45030	M4 X .7	.50-2.0	6.8	50
45031	M5 x .8	.50 - 3.3	7.6	100
MP45031	M5 X .8	.50-3.3	7.6	50
45032	M6 x 1.0	.70 - 4.2	10.0	50
MP45032	M6 X 1.0	.70-4.2	10.0	25
45033	M8 x 1.25	.70 - 3.8	13.5	25
MP45033	M8 X 1.25	.70-3.8	13.5	10
45034	M10 x 1.5	.70 - 3.8	13.5	25
MP45034	M10 X 1.5	.70-3.8	13.5	10

NOTE: Metric series threads are class 6H.

Use conversion Kit Part Nos. 45320 through 45324

NOTE: The sealing material slightly reduces the maximum grip. Test a sample part in your application if your grip is approximately 80% or more of the maximum insert grip.

Conversion Kits

Grip Sensitive Threaded Inserts



Part No.	Insert Thread Size	Unit
MP75225	No. 4-40	1
45300-1	No. 6-32	1
45301	No. 8-32	1
45302	No. 10-24	1
45303	No. 10-32	1
45304	1/4-20	1
45305	1/4-28	1
45306	5/16-18	1
45307	5/16-24	1
45308	3/8-16	1
45309	3/8-24	1
45320	M4 x 0.7	1
45321	M5 x 0.8	1
45322	M6 x 1.0	1
45323	M8 x 1.25	1
45324	M10 x 1.5	1

"Plier"-Type Hand Tool

Grip Sensitive Threaded Inserts



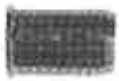
- Steel construction
- Lever action handle
- For installing grip sensitive inserts
- Use with thread conversion kits — nos. 45300-1 - 45324

Part No.	Description	Unit
45045	"Plier" Type Hand Tool	1

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Grip Sensitive Threaded Inserts



- Reduced profile head design
- Use in applications that require a smaller hole or closer hole to edge tolerances
- Zinc plated steel
- Permits flush mounting
- Blind installation

Part No.	Thread Size	Grip Ranges (In.)	Hole Size (In.)	Drill Part No.	Unit
KP70532	6-32	.020 - .080	¼	20912	100
KP70533	8-32	.020 - .080	¼	20912	100
KP70534	10-24	.020 - .130	9/32	20914	100
KP70535	10-32	.020 - .130	9/32	20914	100
KP70536	¼-20	.030 - .165	3/8	20920	50
KP73245	5/16-18	.040 - .200	½	20928	50

Thread-N-Lock Inserts

Thread-N-Lock Inserts - Fractional



These convenient fastener inserts can be fastened in minutes without any special tools. Just apply some Loctite® adhesive and the automatic, self-locking external threads will begin to set immediately. They will not back out, vibrate or come loose under normal use, but you can remove them easily with a standard screw or bolt extractor. The adhesive seals against liquids and gases to pressures of 6000 psi and will bond to almost every metal. Ideal for stripped threads, parts salvage, and hundreds of other applications.

To Install:

1. Thread nut onto cap screw. Thread screw into insert and tighten nut.
2. Drill into damaged threads to make an oversized hole.
3. Tap hole with standard tap.
4. Place insert assembly into tapped hole, tighten with wrench.

UNC Part No.	Internal Thread (In.)	UNF Part No.	Internal Thread (In.)	External Thread (In.)	Unit
KP73582	4-40	*	-	10-32	10
KP70538	6-32	*	-	¼-20	10
C690608	8-32	*	-	5/16-18	10
C690602	10-24	C690608	10-32	3/8-16	10
C690604	¼-20	C690605	¼-28	7/16-14	10
C690606	5/16-18	C690607	5/16-24	½-13	10
C690610	3/8-16	C690611	3/8-24	9/16-12	10
C690612	7/16-14	C690613	7/16-20	9/16-11	5
C690615	½-13	C690616	½-20	¾-10	5

UNC Part No.	Internal Thread (In.)	UNF Part No.	Internal Thread (In.)	External Thread (In.)	Unit
C690614	9/16-12	*	-	¾-10	5
C690616	5/8-11	C690617	5/8-18	7/8-9	5
C690618	¾-10	C690619	¾-16	1-8	5
C690620	7/8-9	C690621	7/8-14	1¼-7	3
C690622	1-8	C690623	1-14	1½-12	2

Thread-N-Lock Installation Specifications

UNC Part No.	UNF Part No.	Insert Length (In.)	Drill Size (In.)	Tap Size (In.)
KP73572	*	.250	9/32	10-32
KP73573	*	.280	7	¼-20
C690600	*	.290	F	5/16-18
C690602	C690608	.406	5/16	3/8-16
C690604	C690605	.437	29/64	7/16-14
C690606	C690607	.484	31/64	½-13
C690608	C690609	.515	33/64	9/16-12
C690610	C690611	.656	17/32	5/8-11
C690612	C690613	.656	21/32	¾-10
C690614	*	.656	21/32	¾-10
C690616	C690617	.687	11/16	7/8-9
C690618	C690619	.781	⅞	1-8
C690620	C690621	1.125	1 7/64	1¼-7
C690622	C690623	1.250	1 9/32	1⅜-12

Thread-N-Lock Inserts-Stainless Steel



- Ideal for areas subject to moisture and corrosion problems

Part No.	Dia. x Thread	External Thread	Unit
KP38208	8-32	5/16-18	10
KP38209	10-24	⅜-16	10
KP38210	¼-28	7/16-14	5
KP38211	5/16-18	½-13	5
KP38212	⅜-16	9/16-12	5
KP38213	7/16-14	⅝-11	5
KP38214	½-13	¾-10	2
KP38215	⅝-11	⅞-9	2
KP38216	¾-10	1-8	2

Thread-N-Lock Installation Specifications

Part No.	Insert Length	Drill Size	Tap Size
KP38208	.290	F	5/16-18
KP38209	.406	5/16	3/8-16
KP38210	.437	29/64	7/16-14
KP38211	.484	31/64	½-13
KP38212	.515	33/64	9/16-12
KP38213	.656	17/32	5/8-11
KP38214	.656	21/32	¾-10
KP38215	.687	11/16	⅞-9
KP38216	.781	⅞	1-8

Thread-N-Lock Inserts-Metric



- Metric Internal Threads

Part No.	Dia. X Thread	External Thread	Unit
KP36417	M6 X 1.00	5/16-16	10
KP36418	M8 X 1.25	½-13	10
KP36419	M10 X 1.50	9/16-12	5
KP36420	M10 X 1.25	9/16-12	5
KP36421	M12 X 1.75	¾-10	2
KP36422	M14 X 2.00	⅞-9	2
KP36423	M16 X 2.00	1-8	2

Thread-N-Lock Installation Specifications

Part No.	Insert Length	Drill Size	Tap Size
KP36417	.406	5/16	3/8-16
KP36418	.484	31/64	½-13
KP36419	.515	33/64	9/16-12
KP36420	.515	33/64	9/16-12
KP36421	.656	21/32	¾-10
KP36422	.687	11/16	⅞-9
KP36423	.781	⅞	1-8

Thread-N-Lock Power Drive Tool



- Provides a quick and convenient way to install Thread-N-Lock inserts
- Ideal for high volume installations

Part No.	Installs Fractional Sizes	Installs Metric Sizes	Unit
KP38571	No. 8		1
KP38572	No. 10		1
KP38573	¼	M6	1
KP38574	5/16	M8	1
KP38575	⅜	M10	1
KP38576	7/16	M12	1
KP38577	½, 9/16	M14	1
KP38578	⅝	M16	1
KP38579	¾		1

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Thread Repair Inserts

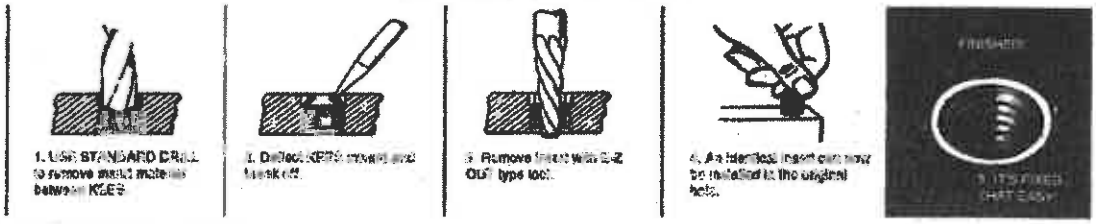
Keyserts

KEY-SERT INSTALLATION INSTRUCTIONS



1. USE STANDARD DRILL to drill out damaged threads. Then, countersink with a standard countersink
2. USE STANDARD TAP to thread new hole. Do not use standard tap chart—use insert chart in this section
3. Screw in INSERT. Kees automatically stop the insert at its correct location
4. Drive locking KEES down with light taps on tool
5. IT'S FIXED... THAT EASY!

REMOVAL INSTRUCTIONS



1. USE STANDARD DRILL to remove metal material between KEES
2. Deflect KEES inward and break off.
3. Remove insert with E-Z Out type tool.
4. An identical insert can now be installed in the original hole.
5. IT'S FIXED... THAT EASY!

Thinwall & Metric Keysert®



- Strong, permanent, metal thread-repair insert
- Made of carbon steel

UNC (USS) Inserts

Part No.	Internal Thread Size (In.)	External Thread Size (In.)	Length (In.)	Unit
22601	No. 10 - 24	5/16 - 18	0.31	20
22602	1/4 - 20	3/8 - 16	0.37	20
22603	5/16 - 18	7/16 - 14	0.43	20
22604	3/8 - 16	1/2 - 13	0.50	20
22605	7/16 - 14	9/16 - 12	0.56	10
22606	1/2 - 13	5/8 - 11	0.62	10

Installation Data

Part No.	Insert Tool Part No.	Internal Thread Size (In.)	Drill Size (In.)	C' Sink Dia. (In.)	Tap Size (In.)
22601	22600-3/16	No. 10 - 24	I	0.32	5/16-18
22602	22600-1/4	1/4 - 20	Q	0.38	3/8-16
22603	22600-5/16	5/16 - 18	X	0.44	7/16-14
22604	22600-3/8	3/8 - 16	29/64	0.51	1/2-13
22605	22600-7/16	7/16 - 14	33/64	0.57	9/16-12
22606	22600-1/2	1/2 - 13	37/64	0.63	5/8-11

UNF (SAE) Inserts

Part No.	Internal Thread Size (In.)	External Thread Size (In.)	Length (In.)	Unit
22611	No. 10 - 32	5/16 - 18	0.31	20
22612	1/4 - 28	3/8 - 16	0.37	20
22613	5/16 - 24	7/16 - 14	0.43	20
22614	3/8 - 24	1/2 - 13	0.50	20
22615	7/16 - 20	9/16 - 12	0.56	10
22616	1/2 - 20	5/8 - 11	0.62	10

Installation Data

Part No.	Insert Tool Part No.	Internal Thread Size (In.)	Drill Dia. (In.)	C' Sink Dia. (In.)	Tap Size (In.)
22611	22600-3/16	No. 10 - 32	"I"	0.32	5/16-18
22612	22600-1/4	1/4 - 28	"Q"	0.38	3/8-16
22613	22600-5/16	5/16 - 24	"X"	0.44	7/16-14
22614	22600-3/8	3/8 - 24	29/64	0.51	1/2-13
22615	22600-7/16	7/16 - 20	33/64	0.57	9/16-12
22616	22600-1/2	1/2 - 20	37/64	0.63	5/8-11

Metric Inserts

Part No.	Internal Thread Size (In.)	External Thread Size (In.)	Length (In.)	Unit
22672	M5 x 0.80	M8 x 1.25	0.315	20
22673	M6 x 1.00	M10 x 1.25	0.394	20
22674	M8 x 1.25	M12 x 1.25	0.472	20
KP6056	M8 X 1.00	M12 X 1.25	0.472	20
22678	M10 x 1.50	M14 x 1.50	0.551	10
KP1058	M10 X 1.25	M14 X 1.50	0.551	15
22680	M12 x 1.75	M16 x 1.50	0.630	10

Installation Data

Part No.	Insert Tool Part No.	Internal Thread Size (In.)	Drill Dia. (In.)	C' Sink Dia. (In.)	Tap Size (In.)
22672	—	M5 x 0.80	"H"	0.32	M8 x 1.25
22673	22670-6	M6 x 1.00	"S"	0.40	M10 x 1.25
22674	22670-8	M8 x 1.25	21/64	0.32	M12 x 1.25
22678	22670-10	M10 x 1.50	1/2	0.56	M14 x 1.50
22680	22670-12	M12 x 1.75	31/64	0.63	M16 x 1.50

Heavy-Duty Keyserts®



- Solid carbon steel bushing
- Uses standard tools
- Use where higher strength and resistance is required

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

UNC (USS) Inserts

Part No.	Internal Thread Size (In.)	External Thread Size (In.)	Length (In.)	Unit
22618	No. 8 - 32	5/16 - 18	0.31	25
22621	No. 10 - 24	3/8 - 16	0.31	25
22622	1/4 - 20	7/16 - 14	0.37	20
22623	5/16 - 18	1/2 - 13	0.43	20
22624	3/8 - 16	9/16 - 12	0.50	20
22625	7/16 - 14	5/8 - 11	0.62	10
22626	1/2 - 13	3/4 - 16	0.62	10
22627	9/16 - 12	3/4 - 16	0.81	5
22628	5/8 - 11	7/8 - 14	0.87	5
22629	3/4 - 10	1 1/16 - 12	1.12	5
22630	1/2 - 9	1 1/4 - 12	1.25	3
22631	1 - 8	1 3/8 - 12	1.37	3

Installation Data

Part No.	Insert Tool Part No.	Internal Thread Size (In.)	C' Sink Dia. (In.)	Tap Size (In.)	Drill Dia. (In.)
22618	22619-8	No. 8 - 32	0.32	5/16 - 18	"F"
22621	22619-10	No. 10 - 24	0.38	3/8 - 16	"Q"
22622	22619-1/4	1/4 - 20	0.44	7/16 - 14	"K"
22623	22619-5/16	5/16 - 18	0.51	1/2 - 13	29/64
22624	22619-3/8	3/8 - 16	0.57	9/16 - 12	33/64
22625	22619-7/16	7/16 - 14	0.63	5/8 - 11	37/64
22626	22619-1/2	1/2 - 13	0.76	3/4 - 16	43/64
22627	22619-9/16	9/16 - 12	0.76	3/4 - 16	45/64
22628	22619-5/8	5/8 - 11	0.88	7/8 - 14	53/64
22629	22619-3/4	3/4 - 10	1.14	1 1/16 - 12	1 1/16
22630	22619-7/8	7/8 - 9	1.27	1 1/4 - 12	1 3/16
22631	22619-1	1 - 8	1.39	1 3/8 - 12	1 5/16

UNF (SAE) Inserts

Part No.	Internal Thread Size (In.)	External Thread Size (In.)	Length (In.)	Unit
22641	No. 10 - 32	3/8 - 16	0.31	25
22642	1/4 - 28	7/16 - 14	0.37	20
22643	5/16 - 24	1/2 - 13	0.43	20
22644	3/8 - 24	9/16 - 12	0.50	20
22645	7/16 - 20	5/8 - 11	0.62	10
22646	1/2 - 20	3/4 - 16	0.62	10
22647	9/16 - 18	3/4 - 16	0.81	5
22648	5/8 - 18	7/8 - 14	0.87	5
22649	3/4 - 16	1 1/8 - 12	1.12	5
22650	7/8 - 14	1 1/4 - 12	1.25	3
22651	1 - 14	1 3/8 - 12	1.37	3

Installation Data

Part No.	Insert Tool Part No.	Internal Thread Size (In.)	C' Sink Dia. (In.)	Tap Size (In.)	Drill Dia. (In.)
22641	22619-10	No. 10 - 32	0.38	3/8 - 16	"Q"
22642	22619-1/4	1/4 - 28	0.44	7/16 - 14	"K"
22643	22619-5/16	5/16 - 24	0.51	1/2 - 13	29/64
22644	22619-3/8	3/8 - 24	0.57	9/16 - 12	33/64
22645	22619-7/16	7/16 - 20	0.63	5/8 - 11	37/64
22646	22619-1/2	1/2 - 20	0.76	3/4 - 16	45/64
22647	22619-9/16	9/16 - 18	0.76	3/4 - 16	45/64
22648	22619-5/8	5/8 - 18	0.88	7/8 - 14	53/64
22649	22619-3/4	3/4 - 16	1.14	1 1/8 - 12	1 1/16
22650	22619-7/8	7/8 - 14	1.27	1 1/4 - 12	1 3/16
22651	22619-1	1 - 14	1.39	1 3/8 - 12	1 5/16

Keysert® Installation Tools
Multi-Pin Style



- Steel construction

Standard-Duty

Part No.	Fits Part No.	Unit
22603-2/15	22601 & 22611	1
22603-1/4	22602 & 22612	1
22603-5/16	22603 & 22613	1
22603-3/8	22604 & 22614	1
22603-7/16	22605 & 22615	1
22603-1/2	22606 & 22616	1

Standard-Duty Kits

Part No.	Sizes in Kit* (In.)	Unit
22620	1/4, 5/16, 3/8, 7/16, 1/2	1 Kit
22619	5/16, 3/8, 3/4, 7/8, 1	1 Kit

*Kits contain 1 of each size listed



Heavy Duty

Part No.	Fits Part No.	Unit
22619-8	22620	1
22619-10	22621 & 22641	1
22619-1/4	22622 & 22642	1
22619-5/16	22623 & 22643	1
22619-3/8	22624 & 22644	1
22619-7/16	22625 & 22645	1
22619-1/2	22626 & 22646	1
22619-9/16	22627 & 22647	1
22619-5/8	22628 & 22648	1
22619-3/4	22629 & 22649	1
22619-7/8	22630 & 22650	1
22619-1	22631 & 22651	1



Metric Standard Duty

Part No.	Fits Part No.	Unit
22670-6	22673	1
22670-8	22676	1
22670-10	22678	1
22670-12	22680	1

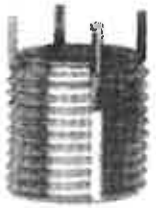
Keysert® Installation Tools
Single Pin Style



- Steel construction
- Set each Keysert individually

Part No.	Sizes in Kit* (In.)	Unit
22619-M	No. 10 — 5/16" M5 — M12	3
22619-T	3/8" — 1 1/2"	3

Spark Plug Repair Type Keysert®, Accessories & Installation Tools



- High-strength aluminum alloy

Part No.	Spark Plug Size	Installation Data: Length (In.)	Drill Dia. (In.)	Tap Size (In.)	Unit
22650	M14 x 1.25	3/8	9/16	3/4-16	10
22651	M14 x 1.25	7/16	9/16	3/4-16	10

Threading Tap



- Steel construction
- 3/4"-16
- For use with spark plug Keysert®

Part No.	Description	Unit
20763	Threading Tap	1

Rivet Nuts

Rivet Nuts



- Grip sensitive, flat head
- Low carbon steel
- Cadmium plated
- For use in blind or through applications
- High thread strength

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Grip Range (in.)	Thread Size	Hole Size	Drill Dia.	Unit
[illegible]	.010 -.075	6-32	.189	#12	25
[illegible]	.010 -.075	8-32	.221	#2	25
[illegible]	.010 -.080	10-24	.250	¼	25
45150	.080-.130	10-24	.250	¼	100
[illegible]	.010 -.080	10-32	.250	¼	25
[illegible]*	.010 -.080	10-32	.250	¼	25
[illegible]	.020 -.080	¼-20	.332	Q	25
45151	.140-.200	¼-20	.332	Q	50
[illegible]	.030 -.125	5/16-18	.413	Z	25
45152	.125-.200	5/16-18	.413	Z	25
[illegible]	.030 -.115	⅜-16	.490	12.5mm	25
45153	.115-.203	⅜-16	.490	12.5mm	25

* Aluminum

NOTE: Installation tools for the rivet nuts are sold through our Industrial Supply Division (ISD).

Woodserts

Slotted Woodserts



- Steel
- For use in wood, rubber, plastic, and fiberglass
- No special tools required
- Gold dichromate finish

Part No.	External Thread Size	Length (in.)	Drill Dia. (in.)	Recommended Drill Part No.	Unit
35651	No. 4-40	⅜	¼	20912	50
35652	No. 6-32	⅜	¼	20912	50
35653	No. 8-32	⅜	¼	20912	50
35654	No. 10-24	½	⅜	20920	50
[illegible]	No. 10-32	½	⅜	20920	25
[illegible]	No. 12-24	½	⅜	20920	25
35656	¼-20	½	⅜	20920	50
[illegible]	5/16-18	⅝	½	20928	25
[illegible]	⅜-16	⅝	½	20928	25

Woodsert Drivers



- Use for installation of woodserts
- For ease of installation, use the woodsert driver with a lubricant such as water, soap, shellac, or beeswax

Part No.	Size	Unit
[illegible]	No. 6	1
[illegible]	No. 8	1
[illegible]	No. 10	1
[illegible]	No. 12	1
[illegible]	¼	1
[illegible]	5/16	1
[illegible]	⅜	1

Rawl Anchors

Hex Head Rawl-Bolt® Anchors

Heavy-Duty Sleeve Style



- Carbon steel construction
- Zinc Chromate plated
- Manufactured using a Grade 5 bolt
- Designed to be used in concrete, block, brick, or stone
- Anchor and hole diameters are identical which eliminates the need for hole spotting or layout
- Vibration-resistant and removable
- Stronger than stud or sleeve anchors

Part No.	Size (in.)	Min. Depth (in.)	Guide Torque (Ft.-Lbs.)	Unit
37424	¼ x 1¾	1¼	7	100
37425	¼ x 3	1¼	7	100

Part No.	Size (in.)	Min. Depth (in.)	Guide Torque (Ft.-Lbs.)	Unit
37426	⅜ x 2¼	2	35	50
37427	⅜ x 3	2	35	50
37428	⅜ x 3½	2	35	50
37429	⅜ x 4	2	35	50

Part No.	Size (in.)	Min. Depth (in.)	Guide Torque (Ft.-Lbs.)	Unit
37430	½ x 2¾	2½	60	50
37431	½ x 3¾	2½	60	25
37432	½ x 4¾	2½	60	25

Part No.	Size (in.)	Min. Depth (in.)	Guide Torque (Ft.-Lbs.)	Unit
37433	⅝ x 4	2¾	100	15
37434	⅝ x 5	2¾	100	15
37435	⅝ x 6	2¾	100	15

Part No.	Size (in.)	Min. Depth (in.)	Guide Torque (Ft.-Lbs.)	Unit
37436	¾ x 4¼	3	120	10
37437	¾ x 5¼	3	120	10
37438	¾ x 7¼	3	120	10

The published length is measured from below the washer to the end of the anchor.

Performance Data

2,000 psi Concrete

Anchor Size (in.)	Guide Torque (Ft.-Lbs.)	Embedment Depth (in.)	Tension (Lbs.)	Shear (Lbs.)
¼	7	⅞	1,275	1,480
¼	7	1¼	2,110	1,480
¼	7	2	2,230	1,540
⅜	35	2	4,015	6,525
⅜	35	2½	5,200	7,270
⅜	35	3½	5,585	8,770
½	60	2½	5,935	9,455
½	60	3	7,325	10,150
½	60	5	8,060	12,930
⅝	100	2¾	8,070	15,005
⅝	100	3	8,615	19,825
⅝	100	4	10,450	20,065
¾	120	3	10,460	20,140
¾	120	4	11,545	22,935
¾	120	5	12,610	25,175
¾	120	7	14,170	29,725

4,000 psi Concrete

Anchor Size (in.)	Guide Torque (Ft.-Lbs.)	Embedment Depth (in.)	Tension (Lbs.)	Shear (Lbs.)
¼	7	⅞	1,445	1,690
¼	7	1¼	2,380	1,690
¼	7	2	2,380	1,690
⅜	35	2	4,840	7,875
⅜	35	2½	5,590	8,155
⅜	35	3½	6,150	8,525
½	60	2½	7,415	9,675
½	60	3	9,780	10,690
½	60	5	10,855	14,740
⅝	100	2¾	8,440	15,005
⅝	100	3	9,905	19,995
⅝	100	4	12,685	28,290
¾	100	6	15,070	20,895
¾	120	3	10,475	20,140
¾	120	4	12,345	26,525
¾	120	5	15,700	28,705
¾	120	7	18,210	33,125

6,000 psi Concrete

Anchor Size (in.)	Guide Torque (Ft.-Lbs.)	Embedment Depth (in.)	Tension (Lbs.)	Shear (Lbs.)
¼	7	⅞	1,650	1,690
¼	7	1¼	2,450	1,690
¼	7	2	2,450	1,690
⅜	35	2	5,310	7,875
⅜	35	2½	6,270	8,265
⅜	35	3½	7,550	9,055
½	60	2½	7,485	11,400
½	60	3	10,545	12,005
½	60	5	11,460	14,485
⅝	100	2¾	9,253	15,005
⅝	100	3	11,135	21,290
⅝	100	4	15,660	21,540
⅝	100	6	18,045	22,055
¾	120	3	11,175	20,140
¾	120	4	14,005	29,795
¾	120	5	18,050	30,905
¾	120	7	24,070	33,155

NOTE: The values listed above are ultimate load capacities which should be reduced by minimum safety factor of 4 or greater to determine the allowable working load.

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Rawl® Double Expansion Machine Bolt Anchors



- Zamac 7 alloy construction
- Designed to be used in solid concrete, block, brick, and stone
- Suited for materials of questionable strength
- Constructed of twin tubular sleeves, bound together with high tension spring steel bands, which contain two protruding wedge shaped hollow cones (one smooth/one threaded)

Part No.	Size (In.)	Drill Dia. (In.)	Min. Hole Depth (In.)	Unit
37439	¼-20 x 1¾	¼	1¼	50
37440	5/16-18 x 1⅝	5/16	1½	50
37441	⅜-16 x 2	⅜	1¾	50
37442	⅜-13 x 2½	⅜	2¼	25

The published length is measured end to end.

Performance Data

2,000 psi Concrete

Anchor Size (In.)	Tension (Lbs.)	Shear (Lbs.)
¼	1,830	1,760
5/16	2,170	2,270
⅜	3,240	3,990
½	6,570	5,940

4,000 psi Concrete

Anchor Size (In.)	Tension (Lbs.)	Shear (Lbs.)
¼	2,340	1,800
5/16	2,960	2,640
⅜	4,980	4,220
½	9,065	6,840

6,000 psi Concrete

Anchor Size (In.)	Tension (Lbs.)	Shear (Lbs.)
¼	3,150	3,120
5/16	3,420	2,820
⅜	5,860	5,970
½	9,258	11,000

NOTE: The values listed above are ultimate load capacities which should be reduced by minimum safety factor of 4 or greater to determine the allowable working load.
The values for C-90 block and solid brick differ from above. Consult your Bowman representative or a Rawl application guide for the correct values.

Rawl Mushroom Head Spike® Anchors



- Extremely versatile high strength anchors
- Grade 8 carbon steel construction
- One-piece, vibration-resistant design
- Designed to be used in concrete, block, brick, or stone
- Easy to use, just drill a hole and then hammer in place

Part No.	Size (In.)	Drill Dia. (In.)	Min. Embedment (In.)	Unit
37447	3/16 x 1	3/16	⅞	100
37448	3/16 x 1¼	3/16	⅞	100
37449	3/16 x 2½	3/16	1¼	100
37450	3/16 x 3	3/16	1¼	100

Part No.	Size (In.)	Drill Dia. (In.)	Min. Embedment (In.)	Unit
37451	¼ x 1	¼	⅞	100
37452	¼ x 1¼	¼	1	100
37453	¼ x 2	¼	1¼	100
37454	¼ x 3	¼	1¼	100

Part No.	Size (In.)	Drill Dia. (In.)	Min. Embedment (In.)	Unit
37455	⅜ x 3	⅜	1¾	25
37456	⅜ x 5	⅜	1¾	25

Part No.	Size (In.)	Drill Dia. (In.)	Min. Embedment (In.)	Unit
37457	½ x 2¾	½	2½	50
37458	½ x 3½	½	2½	50
37459	½ x 4	½	2½	25

The published length is measured from under the head to the end of the anchor.

Performance Data

3,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
3/16	⅞	760	1,270
3/16	1	820	1,725
3/16	1¼	975	2,250
¼	⅞	820	2,040
¼	1	975	2,310
¼	1¼	1,180	2,500
⅜	1¾	2,530	6,310
½	2½	5,460	12,540

4,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
3/16	⅞	860	1,310
3/16	1	980	1,860
3/16	1¼	1,180	2,425
¼	⅞	945	2,230
¼	1	1,135	2,460
¼	1¼	1,550	2,750
⅜	1¾	3,140	7,080
½	2½	6,030	15,300

5,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
3/16	⅞	890	1,350
3/16	1	995	1,860
3/16	1¼	1,450	2,600
¼	⅞	1,010	2,360
¼	1	1,185	2,640
¼	1¼	1,700	3,200
⅜	1¾	3,435	7,150
½	2½	6,470	16,100

NOTE: The values listed above are ultimate load capacities which should be reduced by minimum factor of 4 or greater to determine the allowable working load.

Rawl® Mushroom Head Spike® Anchors



- Type 316 stainless steel construction
- One-piece, vibration-resistant design
- Designed to be used in concrete, block, brick, or stone
- Extremely versatile high strength anchors
- Easy to use, just drill a hole and then hammer in place

Part No.	Size (In.)	Drill Dia. (In.)	Min. Embedment (In.)	Unit
37460	3/16 x 1	3/16	⅞	100
37461	3/16 x 1¼	3/16	⅞	100
37462	3/16 x 2	3/16	1¼	100
37463	3/16 x 2½	3/16	1¼	100

Part No.	Size (In.)	Drill Dia. (In.)	Min. Embedment (In.)	Unit
37464	¼ x 1¼	¼	1	100

Part No.	Size (In.)	Drill Dia. (In.)	Min. Embedment (In.)	Unit
37466	⅜ x 2	⅜	1¾	25
37467	⅜ x 3	⅜	1¾	25

Part No.	Size (In.)	Drill Dia. (In.)	Min. Embedment (In.)	Unit
37470	½ x 4	½	2½	25

The published length is measured from under the head to the end of the anchor.

Performance Data

3,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
3/16	⅞	715	1,155
3/16	1	810	1,650
3/16	1¼	970	2,130
¼	⅞	790	1,980
¼	1	970	2,290
¼	1¼	1,080	2,430
⅜	1¾	1,990	5,610
½	2½	4,870	7,730

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

ntinued from previous page

4,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
3/16	7/8	850	1,240
3/16	1	975	1,780
3/16	1 1/4	1,160	2,345
1/4	7/8	880	2,140
1/4	1	1,045	2,350
1/4	1 1/4	1,465	2,610
3/8	1 3/4	2,420	6,235
1/2	2 1/2	5,470	7,880

5,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
3/16	7/8	875	1,290
3/16	1	1,065	1,830
3/16	1 1/4	1,420	2,450
1/4	7/8	980	2,270
1/4	1	1,125	2,530
1/4	1 1/4	1,660	2,840
3/8	1 3/4	2,570	6,500
1/2	2 1/2	5,630	8,210

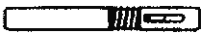
NOTE: The values listed above are ultimate load capacities which should be reduced by minimum safety factor of 4 or greater to determine the allowable working load.

Rawl Spike® Setting Tools



Part No. ¤37495

Spike® Tool Part No.	Use with Style	Fits Mushroom Size (In.)	Use with Style	Fits Thread Size (In.)
¤37495	Mushroom 37447 Series 37460 Series	3/16 and 1/4	Threaded 37471 Series 37481 Series	3/16, 1/4 and 3/8



Part No. ¤37496

Spike® Tool Part No.	Use with Style	Fits Mushroom Size (In.)	Use with Style	Fits Thread Size (In.)
¤37496	Mushroom 37447 Series 37460 Series	3/16 and 1/4	Threaded 37471 Series 37481 Series	3/16 and 1/4



Part No. ¤37497

Spike® Tool Part No.	Use with Style	Fits Mushroom Size (In.)	Use with Style	Fits Thread Size (In.)
¤37497	Mushroom 37447 Series 37460 Series	3/8 and 1/2	Threaded 37471 Series 37481 Series	3/8 and 1/2

Rawl Drop-In (Internal Plug) Anchors



- Carbon steel construction
- Designed to be used in solid concrete, hard stone, and solid block

NOTE: Setting tools are helpful, but not necessary for installation

Part No.	Size (In.)	Drill Dia. (In.)	Min. Depth (In.)	Thread Depth (In.)	Unit
37443	1/4	3/4	1 1/4	7/16	100
37444	3/8	1/2	1 7/8	5/8	50
37445	1/2	5/8	2 3/8	13/16	50
37446	5/8	7/8	3	1 3/16	25

Performance Data

2,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
1/4	1 1/4	1,950	1,760
3/8	1 3/4	3,230	3,990
1/2	2 3/8	4,100	5,940
5/8	3	5,670	11,900
3/4	3 1/2	8,930	16,180

4,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
1/4	1 1/4	3,400	1,800
3/8	1 7/8	6,400	4,220
1/2	2 3/8	9,000	6,640
5/8	3	10,460	12,400
3/4	3 1/2	15,800	19,750

6,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
1/4	1 1/4	3,880	3,120
3/8	1 7/8	5,740	5,970
1/2	2 3/8	10,660	11,000
5/8	3	11,230	14,300
3/4	3 1/2	16,380	21,460

NOTE: The values listed above are ultimate load capacities which should be reduced by minimum safety factor of 4 or greater to determine the allowable working load.

Setting Tools

One setting tool supplied with part No. 37443; others sold separately

Part No.	Size	Anchor Part No.	Unit
37444-1	3/8	37444	1
37445-1	1/2	37445	1
37446-1	5/8	37446	1

Rawl Hollow Set Drop-In Anchors



- Zamac 7 alloy body construction
- Designed for anchoring in hollow base materials such as hollow concrete block, brick with weep holes, hollow core precast concrete plank or solid base materials

Part No.	Size (In.)	Hole Size (In.)	Sleeve OAL (In.)	Sleeve Length (In.)	Unit
37488	1/4	3/8	7/8	3/8	100
37489	3/8	5/8	1 5/16	1 5/16	100
37490	1/2	3/4	1 3/4	1 1/4	100
37491	5/8	1	2	1 1/2	100

Performance Data

2,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
1/4	7/8	1,100	1,440
5/16	1 1/2	2,710	2,270
3/8	1 1/2	3,010	3,145
1/2	1 1/2	3,420	4,015
5/8	2 1/4	5,725	8,700

4,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
1/4	7/8	1,650	1,800
5/16	1 1/2	3,650	2,640
3/8	1 1/2	4,580	4,220
1/2	1 1/2	5,930	6,840
5/8	2 1/4	9,660	12,680

6,000 psi Concrete

Anchor Size (In.)	Embedment Depth (In.)	Tension (Lbs.)	Shear (Lbs.)
1/4	7/8	2,045	3,120
5/16	1 1/2	4,840	2,820
3/8	1 1/2	5,800	5,970
1/2	1 1/2	9,710	11,000
5/8	2 1/4	12,740	14,300

NOTE: The values listed above are ultimate load capacities which should be reduced by minimum safety factor of 4 or greater to determine the allowable working load.

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Rawl Nail-In Hammer Screw Anchors



- Zamac alloy construction
- One-piece with phillips head screw
- Removable
- Use in solid concrete, block, brick and stone
- Use for medium and light-duty loads such as tamper-proof installation of duct work, signs, electrical boxes, security screens, and door thresholds
- Fast and easy to use
- Secures pre-drilled fixtures without hole spotting and repositioning
- No need for exact hole depth

Part No.	Size (In.)	Length (In.)	Hole Size (In.)	Unit
C97157	3/16	1/8	3/16	100
38381	1/4	3/4	1/4	100
38382	1/4	1	1/4	100
38383	1/4	1 1/4	1/4	100
25884	1/4	1 1/2	1/4	100
38385	1/4	2	1/4	100
38386	1/4	2 1/4	1/4	100
38387	1/4	3	1/4	100

Part No.	Dia. (In.)	Length (In.)	Embedment (In.)	Tensile Strength PSI*	Unit
KP38637	3/16	1 3/4	1 1/2	2860	10
KP38256	3/4	2 1/2	1 1/2	4350	10
KP38639	3/8	3	1 1/2	5550	10
KP38640	3/8	4	1 1/2	8120	10
KP38391	1/2	2	2	5930	10
KP38392	1/2	2 1/2	2	7430	10
KP38628	1/2	3	2	8480	10
KP38393	1/2	4	2	2090	10
KP38253	1/2	5	2	13550	10

* Average ultimate load in 4,000 PSI mix concrete

Wedge-Bolt Installation Specifications

Anchor Size (In.)	Wedge-Bit Drill Size	Fixture Clearance Hole (In.)	Anchor Head Height (In.)	Washer O.D. (In.)	Wrench Size (In.)
3/8	3/8	7/16	21/64	41/64	9/16
1/2	1/2	9/16	7/16	1	3/4

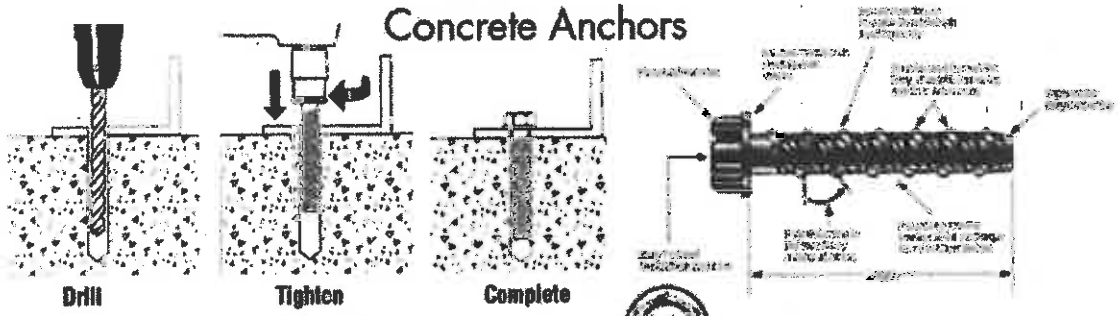
Wedge-Bolt Concrete Anchors



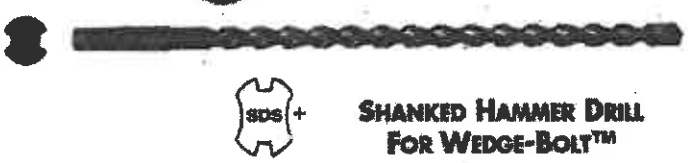
- Easy, through the fixture installation
- Removable
- Hex washer head-zinc plated
- Made in U.S.A.
- ASTM B633, SCI, Type III
- ASTM E488
- Serrated washer locks anchor against fixture
- City of Los Angeles approved-report 25415

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

WEDGE-BOLT™ Concrete Anchors



- Easy, through the fixture installation; simply drill and tighten
- Removable
- Zinc plated hex washer head
- AISIC-1022-heat treated
- Made in the U.S.A.
- ASTM B633, SCI, Type III
- ASTM E488
- Easy to read size identification
- Ratchet teeth lock anchor against fixture
- Hardness RC51-55
- 0-1000° F temperature rating
- City of Los Angeles approved-report #25415



INSTALLATION SPECIFICATIONS

CARBON STEEL WEDGE-BOLT™

Anchor Size	3/8"	1/2"
Wedge-Bit Drill Bit Size*	3/8"	1/2"
Fixture Clearance Hole	7/16"	9/16"
Head Washer Height	21/64"	7/16"
Washer O.D.	47/64"	1"
Wrench Size	9/16"	3/4"

*For proper performance, a Wedge-Bit™ must be used

SHANKED HAMMER DRILL FOR WEDGE-BOLT™

For proper performance, the Wedge-Bolt anchor must be installed with a Wedge-Bit. The Wedge-Bit has a special matched tolerance range designed to provide optimum performance for the anchor. The available shank styles and sizes are listed below.

- Regular helix with SDS+ shank
- 118° masonry point
- Carbide super tipped point
- 4340 steel (34-Cr Ni Mo 6)
- Produced with a vacuum brazed carbide tip and heat treated steel, to withstand hammer drill impacts
- For use in brick, block, concrete, and other masonry applications

Wedge-Bit

Shanked Hammer Drill for Wedge-Bolt



- Regular helix with SDS+ shank
- 118 masonry point
- Carbide tipped
- 4340 steel (34-Cr Ni Mo 6)

Part No.	Dia. (In.)	Usable Length (In.)	Overall Length (In.)	Unit
[illegible]	3/8	4	6	1
[illegible]	3/8	6	8	1
[illegible]	1/2	4	6	1
[illegible]	1/2	8	10	1

Power-Set Concrete Anchoring System



- High performance, one piece drop-in design used with high strength, 2-part epoxy
- Epoxy bond adheres to entire length of anchor body providing excellent tensile strength
- Ideal for shallow embedment and close edge applications
- Available in zinc plated carbon steel

Part No.	Bolt Size (In.)	Anchor Dimension (In.)	Thread Depth (In.)	Unit
[illegible]	1/4-20	5/16 x 1 9/16	1/2	20
[illegible]	5/16-18	7/16 x 2 3/4	3/4	20
[illegible]	3/8-16	1/2 x 2 3/4	1	10
[illegible]	1/2-13	3/4 x 3 1/2	1 1/4	10

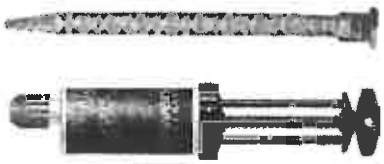
Installation Data

Part No.	Drill Size (In.)	Drill Depth (In.)	Tensile Strength (In.)*
[illegible]	5/16	1 3/4	2,540
[illegible]	7/16	2 3/4	6,250
[illegible]	1/2	3 1/4	10,000
[illegible]	3/4	4 1/4	19,000

* Average ultimate load in 3,000 - 4,000 PSI mix concrete

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Powers AC 5.5 Plus Adhesive Anchoring System



- Fast cure adhesive anchoring system designed for use with concrete anchors
- All weather, odorless, non-flammable
- Unique twister delivery system for fast, economical dispensing
- Complete with twister, nozzle, and 5.5 ounces of adhesive

Part No.	Size (oz.)	Unit
RP61041	5.5	1

Mixing Nozzle

Part No.	Unit
RP63857	5

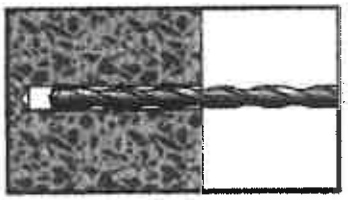
Remember that you can always call our Customer Service Department when you need a sample.

And if you're not sure of exactly what type of fastener you need, rest assured that one call to our Customer Service Department can get you the answer you are looking for!

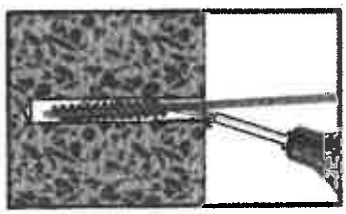
We're here to serve you so feel free to call us with any questions you may have.

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

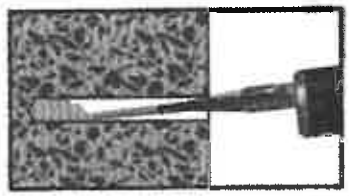
AC100PLUS AND AC55PLUS INSTALLATION GUIDELINES SOLID BASE MATERIALS



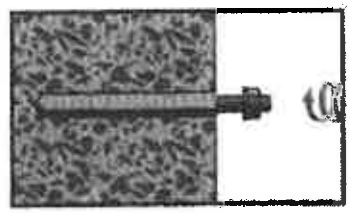
Drill a hole to the size and embedment required. The tolerances of the drill bit used should meet the requirements of ANSI Standard B212.15.



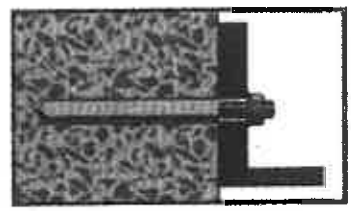
Starting from the bottom or back of the anchor hole, blow clean with compressed air, brush the hole with a nylon brush, and blow it clean again. Vacuuming only is not sufficient. Blow out bulbs generally do not provide enough dust removal for most drilled anchor holes. Holes should be clean and sound. They may be dry or damp, but should be free of standing water or frost. If using reinforcing bar, be sure the bar will fit into the drilled hole. If a larger hole is required, the diameter should be as close as possible to the diameter of the reinforcing bar.



Prior to dispensing into anchor hole, visually inspect that adhesive components are uniformly mixed. Fill the hole approximately half way with adhesive starting from the bottom or back of the anchor hole. Slowly withdraw the static mixing nozzle as the hole fills to avoid creating air pockets.

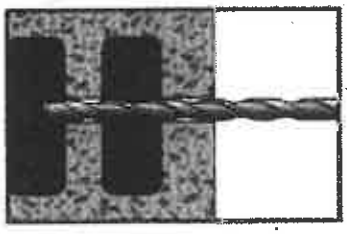


Push the threaded rod or reinforcing bar into the anchor hole while turning slightly to ensure positive distribution of the adhesive. Be sure the rod is fully seated at the bottom of the hole and that some adhesive has flowed from the top of the hole. The threaded rod or reinforcing bar used should be free of dirt, grease, oil, or other foreign material.



Allow the adhesive to cure for the specified time prior to applying any load. Do not disturb or load the anchor until it is fully cured.

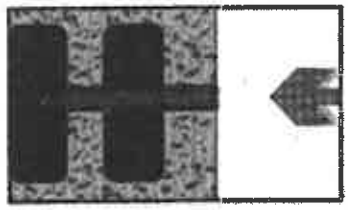
AC100PLUS AND AC55PLUS INSTALLATION GUIDELINES HOLLOW BASE MATERIALS



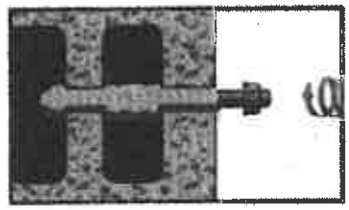
Drill a hole to the size and embedment for the required screen size. The tolerances of the drill bit used should meet the requirements of ANSI B212.15. Starting from the bottom or back of the anchor hole, blow the hole clean with compressed air, brush the hole with a nylon brush and blow it clean again. Vacuuming only is not sufficient. Blow out bulbs generally do not provide enough dust removal for most drilled anchor holes.



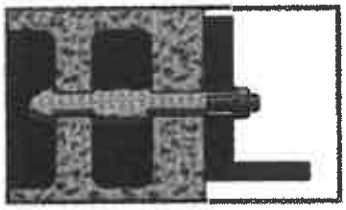
Prior to dispensing into screen tube, visually inspect that adhesive components are uniformly mixed. Fill the screen tube with adhesive starting from the bottom of the screen. The screen tube should be completely filled prior to inserting it in the anchor hole.



Insert the filled screen tube into the anchor hole until it is fully seated at the required embedment.



Push the threaded rod into the screen while turning slightly to ensure positive dispersement of the adhesive. Be sure the rod is fully inserted down to the end of the screen tube. The threaded rod or reinforcing bar used should be free of dirt, grease, oil, or other foreign material.



Allow the adhesive to cure for the specified time prior to applying any load. Do not disturb or load the anchor until it is fully cured.

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Wej-It Anchors

Wej-it® Expansion Anchor Bolts
Wedge Arrow/Hex Nut Type



- Meets OSHA requirement No. 1910.212(b)
- All steel components
- Zinc plated with clear chromate
- Used in concrete and masonry
- Works in oversized holes
- Bolt size matches hole size for easy installation
- Preassembled
- Used for heavy-duty applications in floors, walls, and ceiling for floor anchoring machinery, conveyors, seating motors, pumps, compressors, railing, stock bins and fencing; also used in walls to anchor electric control panels, shelving partitions, conduit piping, light fixtures, and overhead track

Part No.	Wej-It Dia. (In.)	Wej-It Lgth. (In.)	Tensile Strength (psi)	Shear Strength (psi)	Min. Embedment* (In.)	Unit
38501	¼	1¾	1760	2316	1⅛	100
38501-X	¼	1¾	1760	2316	1⅛	25
38502	¼	2¾	2331	2316	1¼	100
38502-X	¼	2¾	2331	2316	1¼	25
38503	¼	3	2473	2316	1½	100
38503-X	¼	3	2473	2316	1½	25

Part No.	Wej-It Dia. (In.)	Wej-It Lgth. (In.)	Tensile Strength (psi)	Shear Strength (psi)	Min. Embedment* (In.)	Unit
38535	5/16	2	2742	2530	1¼	100
38535-X	5/16	2	2742	2530	1¼	25
38536	5/16	3	3185	2530	1¾	100
38536-X	5/16	3	3185	2530	1¾	25

Part No.	Wej-It Dia. (In.)	Wej-It Lgth. (In.)	Tensile Strength (psi)	Shear Strength (psi)	Min. Embedment* (In.)	Unit
38508	⅜	2	3580	5213	1¼	100
38508-X	⅜	2	3580	5213	1¼	25
38509	⅜	2¾	3834	5213	1½	100
38509-X	⅜	2¾	3834	5213	1½	25
38510	⅜	3½	4022	5213	2	50
38510-X	⅜	3½	4022	5213	2	10
38511	⅜	5	4399	5213	3½	50
38511-X	⅜	5	4399	5213	3½	10
38512	⅜	6	4650	5213	4	50
38512-X	⅜	6	4650	5213	4	10

Part No.	Wej-It Dia. (In.)	Wej-It Lgth. (In.)	Tensile Strength (psi)	Shear Strength (psi)	Min. Embedment* (In.)	Unit
38514	½	2¾	5717	10748	2	50
38514-X	½	2¾	5717	10748	2	10
38515	½	3½	5789	10748	2¼	50
38515-X	½	3½	5789	10748	2¼	10
38516	½	5	6411	10748	3½	25
38516-X	½	5	6411	10748	3½	5
38517	½	6	7213	10748	4	25
38517-X	½	6	7213	10748	4	5

Part No.	Wej-It Dia. (In.)	Wej-It Lgth. (In.)	Tensile Strength (psi)	Shear Strength (psi)	Min. Embedment* (In.)	Unit
38519	⅝	3½	8284	15583	2	25
38519-X	⅝	3½	8284	15583	2	10
38520	⅝	4½	11185	15583	3	25
38520-X	⅝	4½	11185	15583	3	10
38525-1	⅝	5	12636	15583	3½	20
38522	⅝	6	14372	15583	4	15

Part No.	Wej-It Dia. (In.)	Wej-It Lgth. (In.)	Tensile Strength (psi)	Shear Strength (psi)	Min. Embedment* (In.)	Unit
38525	¾	4	19299	21030	3	18
38525-X	¾	4	19299	21030	3	5
38526	¾	5	20415	21000	3½	12
38526-X	¾	5	20415	21000	3½	5
38527	¾	6	21530	21000	4	12
38527-X	¾	6	21530	21000	4	5

*Tested in 4000 concrete, 28-day cure.

Concrete Block & Lightweight Concrete Load Data

Wej-it Dia. (In.)	2030 psi Concrete Block Tensile	5000 psi Lightweight Concrete	
		Tensile (psi)	Shear (psi)
¼	545	1861	1947
5/16	852	2493	3064
⅜	1277	3125	4289
½	2025	4778	9833
⅝	—	6455	12500
¾	—	17293	19050

SOURCE: AA Engineers & Associates, Inc., Denver Colorado.
Recommended safe working load is one-fourth Tensile and Shear values shown.
Conversion to 2000 psi, multiply by .75 for ¼", 5/16", ⅜"
Conversion to 2000 psi, multiply by .50 for other diameters
Conversion to 3030 psi, multiply by .90
Conversion to 5000 psi, multiply by 1.25
Conversion to 6000 psi, multiply by 1.40

Expansion Anchors

Expansion Anchor Bolts
Wedge Collar/Hex Nut Type



- U.L. listed
- I.C.B.O. and N.Y. City approved
- Meets or exceeds G.S.A. specifications FF-S-325 2.4.1
- All steel construction with stainless steel collar
- Zinc plated with clear chromate
- Use in solid concrete
- Anchor and hole diameters are identical
- Complete assembly for fast, economical installation as one unit
- Requires no hole spotting, layout or fixture movement for installation
- Use for heavy duty applications involving structural anchoring of all types including fastening heating, ventilation, air conditioning, machinery, conveyors, concrete forms, hand and guard rails, highway rails, and posts

Part No.	Dia. (In.)	Length (In.)	Thread Lgth. (In.)	Unit
38401	¼	1¾	¾	25
38402	¼	2¼	¾	25
38403	¼	3¼	¾	25

Part No.	Dia. (In.)	Length (In.)	Thread Lgth. (In.)	Unit
38406	⅜	2¼	1⅛	25
38406S	⅜	2¾	1⅛	25
38407	⅜	3	1⅛	25
38408	⅜	3¾	1⅛	10
38409	⅜	5	1⅛	10

Part No.	Dia. (In.)	Length (In.)	Thread Lgth. (In.)	Unit
38411	½	2¼	1¼	10
38411-1	½	3¼	1¼	10
38412	½	4¼	1¼	10
38413	½	5½	1¼	5
38414	½	7	1¼	5

Part No.	Dia. (In.)	Length (In.)	Thread Lgth. (In.)	Unit
38417	⅝	3½	1½	10
CD3993	⅝	4¼	1½	10
38418	⅝	5	1½	5
38419	⅝	6	1½	5
+CD3553[illegible]	⅝	7	1½	10
+CD3553[illegible]	⅝	8½	1½	10

Part No.	Dia. (In.)	Length (In.)	Thread Lgth. (In.)	Unit
38423	¾	4¼	1½	5
MP38366	¾	4¼	1½	10
38424	¾	5¼	1½	5
+CD3553[illegible]	¾	6¼	1½	10
38425	¾	7	1½	5
+CD3553[illegible]	¾	8½	1½	10
+CD3553[illegible]	¾	10	1½	10
+CD3553[illegible]	⅞	6	2	5
+CD3553[illegible]	1	6	2½	5
+CD3553[illegible]	1	9	2½	5
+CD3553[illegible]	1	12	2½	5

+Canada Only

Performance & Strength Data

4500 psi concrete

Part No.	Dia.	Min. Embedment (In.)	Tensile Strength (psi)	Shear Strength (psi)
38401	¼	1⅛	2520	1580
38402	¼	1⅛	2520	1580
38403	¼	1⅛	2520	1580
38405	⅜	1½	4700	3750
38407	⅜	1½	4700	3750
38408	⅜	1½	4700	3750
38409	⅜	1½	4700	3750
38411	½	2¼	7330	6800
38412	½	2¼	7330	6800
38413	½	2¼	7330	6800
38414	½	2¼	7330	6800
38417	⅝	2¾	10340	10600
38418	⅝	2¾	10340	10600
38419	⅝	2¾	10340	10600
38423	¾	3¼	13780	15330
38424	¾	3¼	13780	15330
38425	¾	3¼	13780	15330
+CD553903	⅞	4	13902	21,574
+CD553879	1	4½	15629	28,023

+Canada only

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Expansion Machine Bolt Shields/ Anchors



- UNC (USS)
- Meets GSA specifications FF-325 No. 3.2.1.1.1
- Zinc-alloy shield and cone
- Non-plated
- Use in shallow hole anchoring in solid masonry and concrete, especially in old and brittle substrates
- Highly versatile
- Resists rust
- Installs easily
- Compensates for hole irregularities
- Include tool
- Use with machine screws
- Use for medium and light-duty loads. Also excellent for mounting switches, breaker panels, handrails, and metal window sashes

Part No.	Fits Bolt Size (In.-TPI)	Anchor Lgth. (In.)	Drill Size (In.)	Unit
C96929	6-32	3/4	5/16	100
C83025	8-32	1/2	5/16	100
38556	10-24	5/8	3/8	100
38557	1/4 -20	7/8	1/2	100
38558	5/16-18	1	5/8	100
38559	3/8 -16	1 1/4	3/4	50
38570	1/2 -13	1 1/2	7/8	50

Strength Data

Part No.	Tensile Strength (psi)	Shear Strength (psi)
38565	950	1280
38567	2120	2070
38568	2900	2400
38569	5250	4180
38570	6080	5000

Lead Screw Anchors

Lead Screw Anchors



- Rust-proof lead Anchors
- Use with wood or sheet metal screws
- Ideal for brick, masonry or concrete

Part No.	Dia.	Length	Use with Screw Size	Drill Size	Unit
C96957	1/4	3/4	No. 6-8	1/4	100
C96958	1/4	1	No. 6-8	1/4	100
C96959	1/4	1 1/2	No. 6-8	1/4	100
C82960	3/16	3/4	No. 10-14	3/16	100
C96961	3/16	1	No. 10-14	3/16	100
C96962	3/16	1 1/2	No. 10-14	3/16	100
C96963	1/4	3/4	No. 16-18	3/16	100
C96964	1/4	1	No. 16-18	3/16	100
C96965	1/4	1 1/2	No. 16-18	3/16	100

Drop-In Anchors

Drop-In Anchors



- UNC (USS)
- U.L. listed (except 1/4")
- All steel construction
- One setting tool per package
- Zinc plated
- Used in solid concrete
- Fastener can be removed and replaced from anchor with decreasing holding power
- Easy installation requires:
  - Setting tool (included)
  - Carbide tipped masonry drill (Refer to Part No. XXX)
- Used for heavy-duty and medium-duty jobs such as pipe hanging, sprinklers, electrical and core drilling equipment, mounting valves, machinery mounting, anchoring shelves, insulating transformers, parking meters, channels, partitions, blowers, pumps and cable trays

Part No.	Dia. (In.)	Anchor Lgth. (In.)	Thread Depth (In.)	Unit
38370	1/4	1	3/16	100
38371	3/8	1 5/16	5/8	100
38372	1/2	1 13/16	11/16	50
38373	5/8	2 9/16	1/2	25

Strength Data

Part No.	Strength Tensile (psi)	Shear (psi)	Drill Size (In.)
38370	2400	2177	3/8
38371	4200	3950	1/2
38372	6990	6422	5/8
38373	11430	14677	7/8

Setting Tools

Part No.	Anchor Size (In.)	Anchor Part No.	Unit
38375	1/4	38370	1
38376	3/8	38371	1
38377	1/2	38372	1
38378	5/8	38373	1

Lag Screw Shields

Lag Screw Shields/Anchors



- Zinc alloy
- Non-plated
- Use in concrete, brick, stone, or masonry
- Special reinforced rings give maximum bite, will not flatten out for superior holding power
- Rust proof
- Simple to install
- Use with lag screws no. 32310-32357
- Use in medium and light-duty loads in a variety of applications from hand rails to heavy equipment

Part No.	Dia. (In.)	Type	Shield Lgth. (In.)	Hole Size (In.)	Unit
38550	1/4	short	1	1/2	100
38544	1/4	long	1 1/2	1/2	100

Part No.	Dia. (In.)	Type	Shield Lgth. (In.)	Hole Size (In.)	Unit
38551	5/16	short	1 3/4	1/2	100
38545	5/16	long	1 13/16	1/2	100

Part No.	Dia. (In.)	Type	Shield Lgth. (In.)	Hole Size (In.)	Unit
38552	3/8	short	1 3/4	5/8	50
38546	3/8	long	2 1/2	5/8	50

Part No.	Dia. (In.)	Type	Shield Lgth. (In.)	Hole Size (In.)	Unit
38553	1/2	short	2	3/4	25
C93043	1/2	long	3	3/4	25

Self-Tapping Masonry Anchors

Masonry Anchor Self-Tapping Screws



- Carbon steel
- Use in concrete, block and brick
- Cuts threads into concrete
- Removable
- Fast, easy-to-use and install
- No need to pre-spot holes
- Requires no inserts
- High/low tapping threads
- Nail point
- Taper shank
- Use with part no. 38460 installation tool and drill bit
- Use for medium to light duty installations such as window and door frames, HVAC duct straps, wall partitions, shelving, roof flashing, facia panels, conduit clips, furring strips, signs, awnings, gutters and downspouts

Hex Head Part No.	Phillips Flat Head Part No.	Dia. (In.)	Length (In.)	Unit
MP38461	MPS2470	3/16	1 1/4	25
38461	38470	3/16	1 1/4	100
C32453	C32461	3/16	1 3/4	250
MP38462	MPS3471	3/16	1 3/4	25
38462	38471	3/16	1 3/4	100
C32454	C32462	3/16	1 3/4	250
MP38463	C96126	3/16	2 1/4	25
38463	38472	3/16	2 1/4	100
C32455	C32463	3/16	2 1/4	250
MP38464	C96127	3/16	2 3/4	25
38464	38473	3/16	2 3/4	100
C32456	C32464	3/16	2 3/4	250
38464-1	38473-1	3/16	3 1/4	100
MP38465	MPS3474	1/4	1 1/4	25
38465	38474	1/4	1 1/4	100
C32457	C32465	1/4	1 1/4	250
MP38466	C93253	1/4	1 3/4	25
38466	38475	1/4	1 3/4	100
C32458	C32466	1/4	1 3/4	250
MP38467	MP38476	1/4	2 1/4	25
38467	38476	1/4	2 1/4	100

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Truss Head

Part No.	Size (in.)	Head Style	Drill Size	Unit
34255	5/16 X 3/4	Truss	3/16	100
KP76659	5/16 x 1	Truss	3/16	100
31970	1/4 x 3/4	Truss	1/8	100
*[illegible]	1/4 X 3/4	Truss	1/8	100
31970-5000	1/4 X 3/4	Truss	1/8	5000
31971	1/4 x 1	Truss	1/8	100
34256	1/4 X 1	Truss	1/8	100
31971-1	1/4 x 1	Truss	1/8	500
31971-5000	1/4 X 1	Truss	1/8	5000
31972	1/4 x 1 1/2	Truss	1/8	100
31972-5000	1/4 X 1 1/2	Truss	1/8	5000
31971-2	1/4 x 2	Truss	1/8	100
C[illegible]536	1/4 x 3	Truss	1/8	100
C[illegible]588	5/16 x 1	Round	5/16	100
31975	1/4 x 1	Round	1/8	100
31976	1/4 x 1 1/2	Round	1/8	100
C[illegible]586	1/4 x 2	Round	1/8	100
C[illegible]589	5/16 x 1	Flat	5/16	100
31973	1/4 x 1	Flat	1/8	100
C[illegible]593	1/4 x 1 1/2	Flat	1/8	100

*Nylon Pin
**Aluminum Nail



Round Head

Part No.	Dia. (in.)	Hole Size (in.)	Length (in.)	Unit
31975	1/4	1/4	1	100
31976	1/4	1/4	1 1/2	100

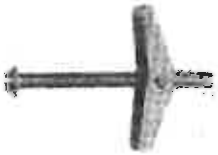


Flat Head

Part No.	Dia. (in.)	Hole Size (in.)	Length (in.)	Unit
31973	1/4	1/4	1	100

Toggle Bolts

Toggle Bolt Hollow Wall Anchors



- UNC (USS)
- Low carbon steel
- Use in all hollow wall construction jobs, including both walls and hung ceilings
- Strength – steel construction plug a large load bearing surface combines to deliver superior holding power
- Simple installation saves time
- Slotted round head
- Use for hollow wall applications where strength is needed and fixture replacement is not a factor
- Applications include drop ceilings, furring strips, drapery hardware, lighting fixtures, junction boxes, conduit clips and metal trim

Part No.	Dia. (in. - TPI)	Length (in.)	Hole Size (in.)	Unit
C[illegible]008	6-32	2	3/16	25
38556†	6-32	3	3/16	100
38557	6-32	4	3/16	100
C[illegible]007	10-24	2	1/4	25
38558	10-24	3	1/4	100
38559	10-24	4	1/4	100
C[illegible]932	10-24	5	1/4	25
C[illegible]933	10-24	6	1/4	25
38560	1/4-20	3	5/16	50
38561	1/4-20	4	5/16	50
C[illegible]012	1/4-20	5	5/16	25
38562	1/4-20	6	5/16	50
38562-1	5/16-18	4	3/8	25
C[illegible]934	5/16-18	5	3/8	10
C[illegible]017	5/16-18	6	3/8	10
38562-2	3/8-16	3	1	25
38563	3/8-16	4	1	25
C[illegible]020	3/8-16	5	1	10
38[illegible]	3/8-16	6	1	25

Heads Only

Part No.	Dia. (in. - TPI)	Hole Size (in.)	Unit
38[illegible]	6-32	3/8	100
38[illegible]	10-24	1/2	100
38[illegible]	1/4-20	5/8	100
38[illegible]	3/8-16	7/8	50
38602-1	5/16-18	3/8	50

†38556 has mushroom head

Anchor – Toggle® Hollow Wall



- Plastic legs and locking washer hold channel tightly against wall, so no need to tug on anchors during installation
- Toggler installs permanently, never the problem of losing it behind a wall
- Use on sheetrock, fiberglass, wood, masonry, metal, tile and cinder block.

Part No.	Screw Size (in.)	Hole Size (in.)	Unit
MP78999	6-32	3/8	100
C[illegible]133	No. 10-24 (3/16)	1/2	25
C[illegible]134	1/4-20 (1/4)	1/2	25
89135	5/16	3/4	10
89136	1/2-13	3/4	10

Screw Anchors

Hollow Wall Screw Anchors

- All steel components
- Use in hollow walls and ceilings made of plaster, gypsum, plaster over metal lathe
- Screw can be removed and replaced to install fasteners before attaching fixture
- No drilling required — drive in installation
- One-piece construction
- Use for light-duty applications including mirrors, pictures, cabinets, drapery hardware, shelf brackets, and bathroom fixtures

Screw Type - Pan Head



Standard – Length is always determined by measuring from under the flat head to the full length of the shell (± 1/8")

Part No.	Ind. No.	Screw Size & Length	Screw Length (in.)	Grip Range (in.)	Unit
C[illegible]701	4XS	6-32	1	1/16 - 1/4	100
38559	4S	6-32	1 1/2	1/4 - 1/2	100
38560	4L	6-32	2	5/16 - 1/8	100
C[illegible]704	4SL	6-32	2	1/8 - 13/16	50
[illegible]403	4XL	6-32	2 3/16	1/4-1	50
38561	6S	10-24	2 1/4	1/8 - 5/8	50
38562	6L	10-24	2 3/4	5/8 - 13/16	50
C[illegible]705	6XL	10-24	3 1/2	1 1/4 - 1 3/4	25
C[illegible]804	8S	1/4-20	2 1/4	1/8 - 5/8	25
C[illegible]805	8L	1/4-20	2 3/16	5/8 - 13/16	25
C[illegible]805	8XL	1/4-20	3 3/16	1 1/4 - 1 3/4	25

Drive Type - Pan Head



Drive — Length is always determined from under the flat head to the full length of the shell and also includes the plastic at the point end (± 1/8")

Part No.	Ind. No.	Screw Size & Length	Screw Length (in.)	Grip Range (in.)	Unit
38[illegible]	4SDHH	6-32	1 3/16	1/8 - 1/2	100
38[illegible]	4SLDHH	6-32	2 3/16	5/8 - 13/16	100
C[illegible]	4SD	6-32	1 3/16	5/16 - 3/8	100
C[illegible]	4SD	6-32	1 5/16	1/16 - 1/4	100
C[illegible]	4SD	6-32	1 5/16	1/8 - 1/2	100
MPC[illegible]	4SD	6-32	1 5/16	1/4 - 1/2	25
C[illegible]	4LD	6-32	2 1/16	5/8 - 7/8	100
C[illegible]	4SLD	6-32	2 1/16	1/4 - 13/16	100
MPC[illegible]	4SLD	6-32	2 1/16	1/4 - 13/16	25

Light-Duty Plastic Screw Anchors

Collar Type



- All plastic construction
- Use in solid concrete, brick, masonry or drywall
- Ideal for hollow wall applications; won't "slip"
- Resist corrosion
- Use with sheet metal, wood or lag screws
- Use for light duty fixtures such as mirrors, pictures, cabinets, curtains, drapes and shelf brackets

Part No.	Fits Screw Size	Length (in.)	Hole Size (in.)	Unit
C[illegible]937	6, 8	3/4	5/16	100
38530	8, 10	7/8	3/8	200
MP38532	8,10	7/8	3/8	100
38531	10, 12	1	1/4	200
MP38531	10,12	1	1/4	100
38532	1/4, 16	1 3/8	5/16	100

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Vinyl Plug Anchors



- Use on plasterboard or concrete
- Resists cracks, oils, chemicals
- Cut to any length with knife or cutting pliers

Part No.	Hole Size (In.)	Use with Screw Size	Length (In.)	Color	Unit
[illegible]	3/16	No. 4-5-6	1	White	100
[illegible]	1/4	No. 8-9	1	Red	100
[illegible]	1/4	No. 8-9	1½	Red	100
[illegible]	1/4	No. 10-12	1	Green	100
[illegible]	1/4	No. 10-12	1½	Green	100
[illegible]	1/4	No. 10-12	2	Green	100
[illegible]	5/16	1/4 Lag	1	Blue	100
[illegible]	5/16	1/4 Lag	1½	Blue	100
[illegible]	5/16	1/4 Lag	2	Blue	100
[illegible]	3/8	5/16 Lag	1½	Orange	100
[illegible]	3/8	5/16 Lag	2	Orange	50
[illegible]	3/8	5/16 Lag	2½	Orange	50
[illegible]	7/16	3/8 Lag	2	Gray	50
[illegible]	7/16	3/8 Lag	2½	Gray	50
[illegible]	5/8	1/2 Lag	2½	Black	25

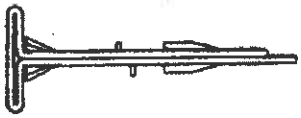
Plastic Toggler



- Polypropylene construction
- Designed to be used for light-duty fastening in hollow walls, wallboard and plaster
- Fastener may be removed and the anchor remains in place
- Use with No. 6 through No. 12 screws

Part No.	Size	Wall Thick. (In.)	Hole Size (In.)	Unit
[illegible]	small	0 - 1/2	5/16	100
[illegible]	small	0 1/4	5/16	25
[illegible]	medium	1/8 - 1/2	5/16	100
[illegible]	medium	3/8-1/2	5/16	25
[illegible]	large	1/2 - 3/8	5/16	100
[illegible]	large	1/2-3/4	5/16	25

Legs™ Anchors



- Steel construction
- One-piece drive type hollow wall anchor for use in wallboard
- Use with a no. 8 sheet metal screw

Part No.	Description	Unit
[illegible]	Legs™ Anchors	100

Plastic Wall Anchor Kits



- Kit includes one size of conical style anchor and Phillips/Slot Combo Drive sheet metal screws
- 100 anchors and screws per kit
- Ideal for single job use
- Made in U.S.A.

Part No.	Screw Size	Drill Size (In.)	Color	Unit
KP150C53	6-8	3/16	Yellow	1
KP150C54	8-10	3/16	White	1
KP150C55	10-12	1/4	Blue	1
KP150C56	14-16	5/16	Gray	1

Self Adjusting Drywall Anchor



- As the anchor expands, the legs are drawn up tightly against the back wall providing a secure hold
- Ideal for use in drywall, plaster, glass block, or cinder block

Part No.	Hole Size (In.)	Screw Size	Unit
KP[illegible]	3/8	No. 8	100

Cobra Plastic Screw Anchor



- Ripple design allows for stronger hold in plaster, wallboard, wood and masonry
- Made of tough high density polyethylene
- Use with wood or sheet metal screws

Part No.	Screw Size	Drill Size (In.)	Length (In.)	Unit
KP84130	4-6-8	3/16	1	100
KP84131	8-10-12	1/4	1 1/4	100
KP84132	12-14-16	5/16	1 1/2	50

Alex Plugs

Aluminum Screw Anchors
Canada Only



- Moisture and rot proof - can be used in fresh concrete without risk of loosening
- Exclusive inner construction ensures that screws will drive in straight
- For oversize holes, extra plug halves may be used to build up to the correct diameter

Part No.	Size	Length (In.)	Hole Size (In.)	Screw Size	Unit
+CD553012	12	1	1/4	#5 - #10	100
+CD556214	12	1 1/4	1/4	#5 - #10	100
+CD556312	12	1 1/2	1/4	#5 - #10	100

+Canada only

Mungo Universal Plugs



- Cadmium-free nylon makes them environmentally friendly
- Ideal for wood screws, drywall screws
- Break-off flange when used for through fixing applications
- Fins prevent the plug from rotating in the building material
- For virtually all hollow-wall applications
- Threaded cone end keeps plug together when walls of plug collapse during screwing

Part No.	Size (In.)	Length (In.)	Screw Size	Unit
KP83780	3/16	1 3/16	No. 4 - No. 6	100
38695	1/4	1 3/16	No. 6 - No. 8	25
KP83782	5/16	1 1/2	No. 10 - No. 12	100
38696	5/16	2	No. 10 - No. 12	25
38697	3/8	2 3/8	1/4", 5/16"	25

E-Z Anchor

E-Z Anchor®

- One-piece self-drilling anchor designed for use in hollow gypsum wall board for light to medium loads
- Installs quickly with a No. 2 or 3 phillips head screwdriver
- Applications include mounting electrical fixtures, fastening drapery supports, installing phone systems and accessories



Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Zinc Die Cast

Part No.	Dia. x Length (In.)	Screw Size	Unit
[illegible]	⅛ x 1⅝	No. 8	25
[illegible]	⅛ x 1⅝	No. 8	100
[illegible]	⅛ x 1⅝	No. 8	250
[illegible]	⅜ x 1⅝	No. 6, 8	25



Engineered Plastic

Part No.	Unit
[illegible]	25
[illegible]	100
[illegible]	250

Engineered Plastic-Lite

Part No.	Unit
[illegible]	25
[illegible]	100
[illegible]	250

E – Z Toggle with Sheet Metal Screw

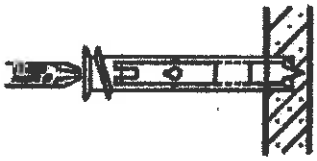


- Self-drilling toggle anchor eliminates hole drilling
- Easy installation; installs with a No. 2 phillips screwdriver - no electric drill or other tools necessary
- For wall and ceiling applications
- Long clamping wing can replace both 1/8 in. and 3/16 in. standard toggles
- High helix thread provides strong seating of anchor, no stripout
- Zinc die cast
- Must use with specially designed screw included - eliminates thread strip out

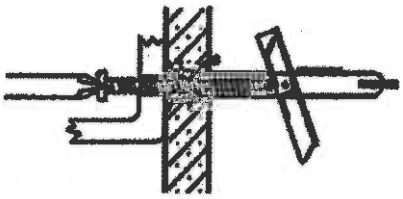
NOTE: Arrows on head of anchor should be vertical in relation to wall studs

Part No.	Screw Size	Max Fixture Thick (In.)	Unit
[illegible]	No. 8 x 2	½	25

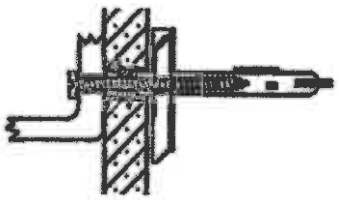
E-Z Toggle



1. Place #2 Phillips screwdriver or cordless screwdriver (#2 Phillips bit) into the recess of the E-Z Toggle. Press into gypsum wallboard, while turning the anchor clockwise until it is seated flush with the wall. Line up arrows on head vertically.



2. Place fixture in position over installed E-Z Toggle. Push screw through E-Z Toggle to engage clamp.



3. Continue turning screw until tight. The clamp will move back against the drywall as the screw is turned.

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Uni-Tap



- Unique nylon fastener that can be used in wood, concrete, brick, plastic, or metal
- Low cost, non-corrosive, tamper-resistant, and FDA approved
- Ideal for truck trailer liners, refrigerated trucks, and construction
- Eliminates ice build up and corrosion. Temperature range – 60 °F - 425 °F
- Drill a .281 size hole (K letter) insert Uni-Tap and hammer in place

Part No.	Head Dia. (in.)	Anchor Dia. x Length (in.)	Grip Range (in.)	Unit
KP90828	5/16	1/4 x 1	3/16 - 1/2	100
KP90828-6000	5/16	1/4 x 1	3/16 x 1/2	6000
313575	5/16	1/4 x 1 3/4	3/16 x 1 1/2	100

Chemical Concrete Anchoring System

Anchor All Chemical Anchors

Concrete Fastening System



- Numerous applications — use for highway guard rails, repair damaged pre-cast materials, connecting new and old concrete, bridge and safety hand rails, machinery anchoring, dock bumpers, and pre-cast lane dividers
- Reinforced polyester resin and hardener — provides high strength; up to 47,861 psi with 1" diameter stud in 5,000 psi concrete
- Quick setting — 90% of ultimate strength in 90 minutes
- All chemical system — no expansion stress applied to base material; a common problem with mechanical anchors; conforms to irregular holes
- Waterproof — impervious to surface and ground water; long service life
- High vibration resistance — for secure holding power
- Highly pourable consistency — fills holes completely without "bridging"
- Foil mixer-pouch package — eliminates ultraviolet damage; no setting tools, breakable glass tubes, or waste; provides easy mixing and long shelf life
- Pre-measured components — avoids proportioning errors; no costly re-work

Part No.	Description	Unit
39611	5.5 oz. net wt. mixer-pouch	1

Chemical Anchor

Acrylic-100™



- Acrylic-100™ Adhesive Anchor System Kit consists of: – a two-part adhesive cartridge
  – a specially designed static mixing nozzle
  – a dual-piston dispensing tool
- The cartridge is a 7-to-1 ratio dual design in which the hardener is contained in the smaller tube and the baseresin in the larger tube
- Gray color

Part No.	Description	Unit
61839	Acrylic100CartridgeKit*	1
61820	Acrylic100NozzleOnly	12
61850	Acrylic100DispensingTool	1

*Each kit includes 1 cartridge and 1 nozzle

Chemical Anchor

Hammer-Capsule™



- Self-contained, single-use, two-part glass capsule
- Designed for use with straight cut rod (a chisel-pointed anchor rod and special installation tools are not necessary)
- Mixed adhesive mortar – amber in color

Part No.	Size (in.)	Drill Dia.*	Min. Depth	Unit
67030	1/2	9/16	4 1/4	10
67040	5/8	11/16	5	10
67050	3/4	7/8	6	5

Hammer-Capsule™ is a trademark of Powers Fastening, Inc.

Chemical Anchor

Threaded Rod



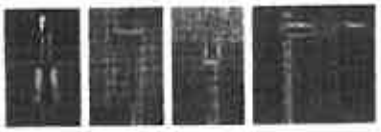
Straight Cut Rod

- Manufactured specifically for chemical anchors
- Includes one nut and one washer
- Equivalent to Grade 2 (A307)

Part No.	Size (in.)	Drill Dia. (in.)	Unit
75310	3/8	5 1/2	25
79850	1/2	5 1/2	25
79900	5/8	8	20
79950	3/4	9	10

Acrylic-100™ is a trademark of Powers Fastening, Inc.

HangerMate® Threaded Rod Anchoring System



- Used to support fire sprinklers, general piping, electrical, HVAC refrigeration in steel, concrete, and wood. 1/4-10 thread and 3/8-16 thread
- Replaces beam clamps
- Carbon steel

For Purlins, Steel and Wood (BRUTE™ Series Sidemount Anchors)

Purlin



- For side attachment to steel (16 ga. to 14 ga.)
- Tapped to accept 3/8-16 threads
- Supplied with 5/16-18 hex nuts

Part No.	Unit
KP26502	10

Steel



- For side attachment to steel (16 ga. to 1/4")
- Tapped to accept 3/8-16 threads

Part No.	Unit
KP26508	10

Steel



- For side attachment to steel (16 ga. to 1/4")
- Tapped to accept 3/8-16 threads
- Supplied with 5/16-24 hex nuts

Part No.	Unit
KP26504	10

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Wood



- For side attachment to wood joists or beams
- Tapped to accept 3/8-16 threads

Part No.	Unit
KP26505	10

For Steel, Light-Gauge Steel, and Purlins

Steel/Metal



- For attachment to steel up to1/4"
- Tapped to accept 1/4-20 threads

Part No.	Unit
KP26495	10

Steel/Metal



- For attachment to steel (.155" to 1/4")
- Tapped to accept 3/8-16 threads

Part No.	Unit
KP26498	10

Steel/Metal



- For attachment to steel up to 1/4"
- Tapped to accept 3/8-16 threads
- 5/16-24 hex nuts required
- For light-gauge applications

Part No.	Unit
KP26499	10

Purlins/Light Gauge Steel



- For attachment to the bottom of purlins (16 ga. and 14 ga.)
- Tapped to accept 3/8-16 threads
- Supplied with 5/16-18 hex nuts

Part No.	Unit
KP26500	10

Concrete/Masonry and Wood



- For attachment to concrete/masonry and wood
- Tapped to accept 1/4-20 threads

Part No.	Unit
KP26496	10

Concrete/Masonry and Wood



- For attachment to concrete/masonry and wood
- Tapped to accept 3/8-16 threads
- FM approved in concrete applications only

Part No.	Unit
KP26497	10

Wood



- For attachment to wood joists and beams
- Tapped to accept 3/8-16 threads
- Approved for 3/4-4" dia. pipe

Part No.	Unit
KP26491	10

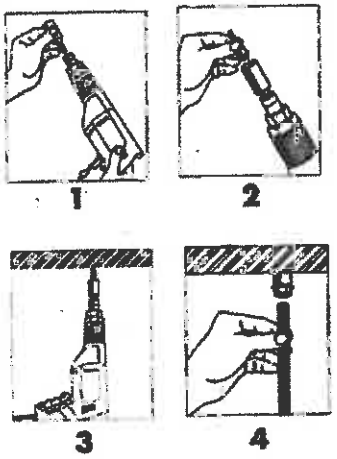
GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

HangerMate® Threaded Rod Anchoring System

Metal and Wood Applications

1. Insert HangerMate drive socket 26508 or 26507 into corded screw gun (min. 4.5 amps) or appropriate cordless screw gun.
2. Insert appropriate HangerMate anchor into drive socket.
3. HangerMate anchors drill their own holes in metal and wood applications so predrilling is unnecessary. Simply position the self-drilling point of the anchor at the intended point of installation and with the screw gun operating at approximately 1800 R.P.M, install the HangerMate anchor. The drive socket's safety set feature will set the anchor flush and then automatically disengage to prevent over-drilling.
4. The HangerMate anchor is now installed and ready to accept a threaded rod or component.

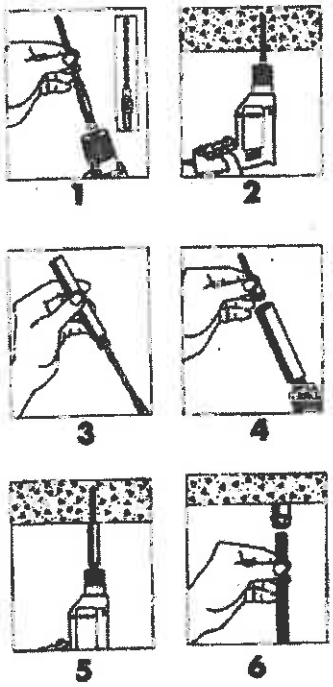
NOTE: For sidemount applications in metal and wood, use HangerMate Brute™ anchors and gold-colored Brute™ installation driver. Use part No. 26057.



Masonry/Concrete Applications

1. Insert appropriate HangerMate carbide-tipped drill bit into hammer or rotary hammer drill. For SDS-drive drills, use drill bit 26513; for keyed chuck-type drills, use tanged bit 26512 installed in adapter 26510 (see inset).
2. With the drill in the hammer mode, drill the full length of the bit.
3. Slide appropriate drive sleeve over drill bit, locking its internal hex recess with the hex collar of the drill bit.
4. Insert appropriate HangerMate anchor into the drive sleeve. Disengage hammer mode and engage drill-only mode.
5. Place tip of the HangerMate anchor into drilled hole and drive until the safety set feature seats the anchor and disengages.
6. The installed HangerMate anchor is now ready to accept a threaded rod or component. Successive installations are even easier, simply remove the drive sleeve from the drill bit, drill hole(s) and repeat steps 3 through 5.

NOTE: Factory Mutual (FM) requires all 26497 HangerMate anchors be countersunk into concrete. Use carbide countersink tool 26514 for countersinking.



GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

HangerMate® Threaded Rod Anchoring System

Installation Components



- Drill bit adapter kit

Part No.	Unit
KP26510	1

Brute™ Gold-Colored



- Brute™ Gold-Colored Recessed Drive Socket
- Use for metal and wood side-mount applications

Part No.	Unit
KP26507	1

Recessed Drive Socket



- Use for vertical-mount metal and wood applications

Part No.	Unit
KP26508	1

Recessed Drive Sleeve



- Use for concrete/masonry applications

Part No.	Unit
KP26509	1

Tanged Drill Bit



- Use with 26510 adapter kit

Part No.	Unit
KP26512	1

SDS Hex Shank Drill Bit



Part No.	Unit
KP26513	1

Carbide Countershink Tool



- Use with 26497 in FM-approved concrete/masonry applications

Part No.	Unit
KP26514	1

SDS Drive Countersinking Socket



- Use with 26497

Part No.	Unit
KP26515	1

Drive Sleeve



- Use with 26496 and 26516

Part No.	Unit
KP26511	1

3/8" Hex Recessed Drive Socket



- Use with 26495 and 26496

Part No.	Unit
KP26516	1

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Hammer-Lock-Steel

Cotter Pins
Hammer-Lock Type



- Low carbon steel
- Zinc plated

Part No.	Dia. (in.)	Length (in.)	Unit
C6118	3/64	3/16	50
38108	1/16	1/2	100
38109	1/16	3/4	100
38210	1/16	1	100
38211	1/16	1 1/4	100
38212	1/16	1 1/2	100
C81470	1/16	1 3/4	200
38214	1/16	2	100

Part No.	Dia. (in.)	Length (in.)	Unit
38215	5/32	1/2	100
38216	5/32	3/4	100
38217	5/32	1	100
38218	5/32	1 1/4	100
38219	5/32	1 1/2	100
38260	5/32	1 3/4	100
38221	5/32	2	100
C81475	5/32	2 1/2	100

Part No.	Dia. (in.)	Length (in.)	Unit
C6124	7/64	3/4	100
38225	7/64	1	100
38226	7/64	1 1/4	200
38227	7/64	1 1/2	200
38227-1	7/64	1 3/4	200
38228	7/64	2	200

Part No.	Dia. (in.)	Length (in.)	Unit
C672065	1/8	3/4	100
38229	1/8	1	100
38230	1/8	1 1/4	100
38231-X	1/8	1 1/2	1000
38121	1/8	1 1/2	100
38162	1/8	1 3/4	100
38163-X	1/8	2	500
38233	1/8	2	100
38234	1/8	2 1/2	100
38235	1/8	3	100

Part No.	Dia. (in.)	Length (in.)	Unit
38237	5/32	1	100
38238	5/32	1 1/4	100
38239	5/32	1 1/2	100
38240	5/32	1 3/4	100
38241-X	5/32	2	250
38241	5/32	2	100
C81476	5/32	2 1/4	50
38243	5/32	2 1/2	100
38244	5/32	3	100

Part No.	Dia. (in.)	Length (in.)	Unit
38245	9/64	1	100
38246	9/64	1 1/2	100
38247	9/64	2	100
38252	9/64	2 1/2	100
38253	9/64	3	100
38254	9/64	3 1/2	100
C81481	9/64	4	100

Part No.	Dia. (in.)	Length (in.)	Unit
C14028	1/4	1	25
38257	1/4	1 1/4	100
38259-11/2	1/4	1 1/2	500
38259-11/2	1/4	1 1/2	100
38260	1/4	2	100
38262	1/4	2 1/2	100
38263	1/4	3	50
C81532	1/4	3 1/2	10
38266	1/4	4	50

Part No.	Dia. (in.)	Length (in.)	Unit
38270	5/16	2	50
38272	5/16	2 1/2	50
38273	5/16	3	50
38275	5/16	4	50
38276	5/16	5	50

Part No.	Dia. (in.)	Length (in.)	Unit
38278-SX	3/8	3	250
38275	3/8	3	50
38270-4	3/8	4	50

Cotter Pins (Non-Plated)
Hammer-Lock Type



- Low carbon steel

Part No.	Dia. (in.)	Length (in.)	Unit
34452	1/16	1	100
34412	3/32	1	100
34466	3/32	1 1/2	100
34467	3/32	1 1/2	100
34401	3/32	2	100
34493	3/32	1 1/2	100
34495	3/32	2	100
34515	3/16	3	100
34532	1/4	3	50
34532-1	3/16	2 1/4	50
34532-2	3/16	2 1/2	50
34532-3	3/16	3 1/2	50
345384	1/2	4	50
34550	1/2	5	50

†Extended prong type

Extended Prong-Steel

Cotter Pins
Extended Prong Type



- Low carbon steel
- Zinc plated

Part No.	Dia. (in.)	Length (in.)	Unit
C672206	3/64	1/2	500
C672207	3/64	3/4	500
C672208	3/64	1	500

Part No.	Dia. (in.)	Length (in.)	Unit
KP35008	1/16	1/2	500
40910	1/16	1/2	100
KP35021	1/16	3/4	500

Part No.	Dia. (in.)	Length (in.)	Unit
40911	1/16	3/4	100
KP35002	1/16	1	500
40912	1/16	1	100
40933	1/16	1 1/4	100
KP74034	1/16	1 1/2	250
40934	1/16	1 1/2	100
40905	1/16	2	100

Part No.	Dia. (in.)	Length (in.)	Unit
KP35008	5/32	1/2	500
40909	5/32	1/2	100
KP35004	5/32	3/4	500
40907	5/32	3/4	100
KP35005	5/32	1	500
40908	5/32	1	100
KP35006	5/32	1 1/4	250
40909	5/32	1 1/4	100
KP35007	5/32	1 1/2	250
40910	5/32	1 1/2	100
KP35009	5/32	1 3/4	250
40911	5/32	1 3/4	100
KP35009	5/32	2	250
40912	5/32	2	100
40913	5/32	2 1/2	100

Part No.	Dia. (in.)	Length (in.)	Unit
KP35010	7/64	1	250
40914	7/64	1	100
KP35003	7/64	1 1/4	250
40915	7/64	1 1/4	100
40916	7/64	1 1/2	100
40917	7/64	1 3/4	100
40918	7/64	2	100

Part No.	Dia. (in.)	Length (in.)	Unit
40919	1/8	1/2	100
40920	1/8	3/4	100
KP35011	1/8	1	250
40921	1/8	1	100
KP35012	1/8	1 1/4	250
40922	1/8	1 1/4	100
KP35013	1/8	1 1/2	250
40923	1/8	1 1/2	100
KP35014	1/8	1 3/4	250
40924	1/8	1 3/4	100
KP35015	1/8	2	250
40925	1/8	2	100
40926	1/8	2 1/2	100
KP35016-1	1/8	2 1/2	50
40927	1/8	3	100
KP35017-1	1/8	3	50

Part No.	Dia. (in.)	Length (in.)	Unit
40928	5/32	3/4	100
KP35018	5/32	1	250
40929	5/32	1	100
KP35019	5/32	1 1/4	250
40930	5/32	1 1/4	100
KP35020	5/32	1 1/2	250
40931	5/32	1 1/2	100
40932	5/32	1 3/4	100
KP35021-1	5/32	1 3/4	50
40933	5/32	2	100
KP35022-1	5/32	2	50
40934	5/32	2 1/4	100
KP35023-1	5/32	2 1/2	50
40935	5/32	2 1/2	100
40936	5/32	3	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. (In.)	Length (In.)	Unit
40937	5/16	1	100
40938	5/16	1¼	100
40939	5/16	1½	100
40940	5/16	1¾	100
40941	5/16	2	100
40942	5/16	2½	100
40943	5/16	3	100
40944	5/16	3½	100
40945	5/16	4	100

Part No.	Dia. (In.)	Length (In.)	Unit
KP35033	¼	1	50
40946	¼	1¼	100
40947	¼	1½	100
40948	¼	2	100
KP35035-2	¼	2	50
40949	¼	2½	100
KP35036-1	¼	2½	50
40950	¼	3	50
KP35037-1	¼	3	50
KP35038	¼	3½	50
40951	¼	4	50
40952	¼	5	50
40953	¼	6	50

Part No.	Dia. (In.)	Length (In.)	Unit
CJ00605	5/16	1½	25
40954	5/16	2	50
40955	5/16	2½	50
40956	5/16	3	50
40957	5/16	3½	50
40958	5/16	4	50
40959	5/16	5	50
40960	5/16	6	50

Part No.	Dia. (In.)	Length (In.)	Unit
KP35040	3/8	2	25
CE0570	3/8	2½	25
40961	3/8	3	50
40962	3/8	3½	50
40963	3/8	4	50
40964	3/8	5	50
40965	3/8	6	50

Part No.	Dia. (In.)	Length (In.)	Unit
40966	½	3	50
40967	½	3½	50
40968	½	4	50
40969	½	5	50
40970	½	6	50

Extended Prong Type Cotter Pins

Canada Only



- Plain finish

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553108	1/16	½	100
✦CD553109	1/16	¾	100
✦CD553105	1/16	1	100
✦CD553106	1/16	1¼	100
✦CD553107	1/16	1½	100
✦CD553108	1/16	2	100
✦CD553110	1/16	3	100

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553111	5/64	1	100
✦CD553112	5/64	1½	100

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553114	3/32	½	100
✦CD553115	3/32	¾	100
✦CD553116	3/32	1	100
✦CD553117	3/32	1¼	100
✦CD553118	3/32	1½	100
✦CD553119	3/32	1¾	100
✦CD553120	3/32	2	100
✦CD553121	3/32	2½	100
✦CD553122	3/32	3	100

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553123	7/64	1	100
✦CD553124	7/64	1½	100
✦CD553125	7/64	2	100

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553127	⅛	¾	100
✦CD553128	⅛	1	100
✦CD553129	⅛	1¼	100
✦CD553130	⅛	1½	100
✦CD553132	⅛	2	100
✦CD553133	⅛	2½	100
✦CD553134	⅛	3	100

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553137	5/32	1	100
✦CD553138	5/32	1¼	100
✦CD553139	5/32	1½	100
✦CD553140	5/32	1¾	100
✦CD553141	5/32	2	100
✦CD553142	5/32	2½	100
✦CD553143	5/32	3	100

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553144	3/16	1	100
✦CD553145	3/16	1¼	100
✦CD553146	3/16	1½	100
✦CD553147	3/16	2	100
✦CD553148	3/16	2½	50
✦CD553149	3/16	3	50
✦CD553150	3/16	3½	50
✦CD553151	3/16	4	50

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553171	1/32	2½	50

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553152	¼	1	50
✦CD553153	¼	1½	50
✦CD553154	¼	2	50
✦CD553155	¼	2½	50
✦CD553156	¼	3	50
✦CD553157	¼	4	25
✦CD553158	¼	5	50

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553161	5/16	1½	50
✦CD553162	5/16	2	25
✦CD553163	5/16	3	25
✦CD553164	5/16	4	25

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553165	5/16	5	25

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553166	⅜	2	25
✦CD553167	⅜	2½	25
✦CD553168	⅜	3	25
✦CD553169	⅜	4	10
✦CD553170	⅜	6	10

Part No.	Dia. (In.)	Length (In.)	Unit
✦CD553173	½	4	100
✦CD553174	½	5	100
✦CD553175	½	6	100

✦Canada only

Wedge-Fast-Steel

Wedge-Fast Cotter Pins



- Low carbon steel
- Non-plated

Part No.	Dia. (In.)	Length (In.)	Unit
38277-2	5/16	2	25
38277-21/2	5/16	2½	25
38277-3	5/16	3	25
38275-21/2	⅜	2½	25
38275-3	⅜	3	25

Hair Pin Cotter Pins

Hair Pin Cotter Pins

Large Loop Type



- Spring steel
- Heat treated
- Zinc plated

Part No.	Dia. (In.)	Length (In.)	Unit
2525-1	.062	1 5/16	50
2523-1	.030	1½	50
2528	3/32	2¼	100
2526-2	1/8	1¾	50
2526	1/8	2 9/16	15
2527	5/32	2 13/16	25
2523	11/64	3⅜	25
2506	3/16	3⅝	10
2587	¼	3 15/16	15
2535	5/16	3 15/16	15

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

nail Loop Type

Hair Pin Clevis



- Spring steel
- Heat treated

Part No.	Shaft Dia. (In.)	Length (In.)	Wire Size	Eye I.D. (In.)	Unit
35201	1/8	19/32	.0295	9/16	100
[illegible]	1/8	19/32	.0295	9/16	25
C[illegible]	9/16 - 1/4	15/16	.042	1/4	100
35203	1/8	9/16	.049	1/4	100
35209	1/8	3/4	.051	7/16	50
*CD1553273	—	1 1/16	.070	—	100
[illegible]	1/8	3/4	.051	7/16	25
35204	1/4 - 1/2	3 5/16	.062	5/16	100
[illegible]	1/4 - 1/2	1 5/16	.062	5/16	25
C[illegible]	1/4 - 5/8	1 3/16	.080	1/4	100
C[illegible]	5/8 - 1/2	1 9/16	.080	5/8	25
C[illegible]	1/4 - 5/8	2 5/16	.094	5/8	25
C[illegible]	5/8 - 3/4	2 1/16	.125	25/32	25
C[illegible]	5/8 - 1	2 15/16	.149	3/4	25
C[illegible]	5/8 - 1	3 1/4	.177	15/16	25
C[illegible]	1/8 - 1	3 3/4	.177	1 1/32	25
C[illegible]	3/4 - 1	4	.243	15/16	10
C[illegible]	1/8 - 1	4 1/16	.310	1/8	10

*Canada only

External Hair Pins



- Spring steel
- Heat treated
- Black oil finish

Part No.	Groove Dia. (In.)	Length (In.)	Wire Gauge (In.)	Unit
35202	5/16	9/32	.026	100
35210	1/16	7/64	.026	100
35205	3/32	11/32	.026	100
C14264	1/8	31/64	.047	100
35207	9/64	15/32	.032	100
35208	5/16	5/8	.047	50
35216	7/32	11/16	.062	50
35213	9/32	53/64	.062	50
35214	11/32	1	.062	50
C14269	3/8	1 1/16	.072	100

Clevis Pins

Clevis Pins
Single Hole/Exact Length Type



- Low carbon steel
- Zinc plated

Part No.	Dia. (In.)	Useable Lgth. (In.)	OAL (In.)	Hole Dia.	Unit
[illegible]	3/16	21/32	3/4	5/64	25
2128	1/4	5/8	49/64	5/64	10
2123	5/16	3/4	15/16	7/64	10
C[illegible]	5/16	15/16	1 1/8	7/64	25
[illegible]	3/8	7/8	1 1/16	7/64	25
[illegible]	3/8	1 17/64	1 1/2	7/64	25
2125	3/16	1"	1 3/16	7/64	10
[illegible]	3/16	1 49/64	2	7/64	25
2124	1/2	1 1/8	1 33/64	9/64	10
2476*	1/2	1 11/32	1 1/2	9/64	10
2472	1/2	1 1/2	1 3/4	9/64	10
2475	5/8	1 1/2	1 21/32	9/64	5

* NOTE: 2476 is gold dichromate plated

Single Hole Clevis Pins
Canada Only



- Zinc plating
- Low carbon steel

Part No.	Dia. (In.)	Useable Length (In.)	Overall Length (In.)	Unit
*CD[illegible]	5/16	13/32	1/2	25
*CD552540	3/16	25/32	1	25
*CD[illegible]	3/16	1 5/32	1 1/4	25
*CD[illegible]	3/16	1 13/32	1 1/2	25
*CD[illegible]	3/16	1 15/32	2	25
*CD552546	1/4	1 5/32	1 1/4	25
*CD552547	1/4	1 13/32	1 1/2	25
*CD552548	1/4	1 21/32	1 3/4	25
*CD552549	1/4	1 29/32	2	25
*CD[illegible]	5/16	29/64	3/4	25
*CD552554	5/16	1 9/64	1 3/4	25
*CD552555	5/16	1 45/64	2	25
*CD[illegible]	3/8	27/32	1	25
*CD584677	3/8	1 5/32	1 1/4	25
*CD552558	3/8	1 13/32	1 3/4	25
*CD[illegible]	3/8	1 29/32	2	25
*CD552560	3/8	2 5/32	2 1/4	25
*CD552561	3/8	2 11/32	2 1/2	25
*CD552563	3/8	2 29/32	3	25
*CD[illegible]	7/16	27/32	1	25
*CD552565	7/16	1 13/32	1 1/2	25
*CD552569	1/2	1 5/32	1 1/4	25
*CD552570	1/2	1 29/32	2	25
*CD552571	1/2	2 5/32	2 1/4	25
*CD552573	1/2	2 29/32	3	25
*CD552574	1/2	3 29/32	4	25

*Canada only

Clevis Pins
Multi-Holed/Multi-Length Type



- Low carbon steel
- Holes on 3/16" centers
- Zinc plated

Part No.	Dia. (In.)	Useable Lgth. (In.)	OAL (In.)	Hole Dia.	Unit
2[illegible]-1/4	1/4	5/8, 13/16, 1, 1 1/16, 1 3/16, 1 5/16, 1 3/4	2	9/32	10
2[illegible]-5/16	5/16	5/8, 13/16, 1, 1 1/16, 1 3/16, 1 5/16, 1 3/4	2	7/64	10
2300-3/8	3/8	5/8, 13/16, 1, 1 1/16, 1 3/16, 1 5/16, 1 3/4	2	7/64	10
2231-7/16	7/16	5/8, 7/8, 1 1/16, 1 3/16, 1 7/16, 1 5/8, 1 3/4	2	7/64	10
2300-7/16	7/16	1 3/16, 1 5/8, 1 3/4, 1 3/4, 1 11/16, 2 1/16, 2 5/16	2 1/2	7/64	10
C14233	7/16	1 7/16, 1 5/8, 1 13/16, 2, 2 3/16, 2 3/8, 2 9/16	3	7/32	10
2301-1/2	1/2	7/16, 5/8, 1 3/16, 1, 1 1/16, 1 3/16, 1 5/16	2	9/64	10
2300-1/2	1/2	1 3/16, 1 3/4, 1 3/16, 1 3/4, 1 15/16, 2 1/16, 2 5/16	2 1/2	9/64	10
2302-1/2	1/2	1 7/16, 1 5/8, 1 13/16, 2, 2 3/16, 2 3/8, 2 5/16	3	9/64	10
2300-5/8	5/8	1 5/8, 1 13/16, 2, 2 3/16, 2 3/4, 2 3/16, 2 3/4	3	9/64	10
2300-3/4	3/4	1 5/8, 1 13/16, 2, 2 3/16, 2 3/4, 2 3/16, 2 3/4	3	9/64	10

Hitch Pins

Hitch Pins



- Bright zinc plated
- The towed implement has a forked tongue (with holes) that slips over the drawbar and shield in place by a hitch pin
- With hair pin
- High strength steel
- Large pull rings for easy handling

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Pin Dia. (In.)	Useable Length (In.)	Unit
C58494	½	3⅝	5
2518	⅝	4¼	5
2520†	⅝	3½	5
C674251	⅝	4½	5
2525-2	⅝	6¼	2
2525-3	¾	4¼	5
2525-4	¾	6¼	2
C674253	⅞	4¼	5
2525-6	⅞	6½	2
C674254	1	4¾	5
2525-7	1	6¼	2
C58500	1	6¾	3
2521*	¾	6¼	2

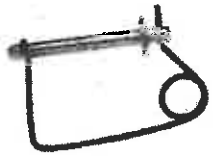
* With linch pin and chain
†Has safety lock retainer

Tension Pin



Part No.	Pin Dia. (In.)	Useable Lgth. (In.)	Unit
KP60845	½	3⅝	5
C674252	¾	3¼	5

Snap Lock Pin



Part No.	Pin Dia. (In.)	Useable Length (In.)	Unit
C81453	¼	2⅛	5
C81452	5/16	2¼	5
C81451†	⅜	2⅝	5
C674259	½	3½	5
C81450	½	4½	2
C81449	⅝	4⅛	2
C674261	⅜	4	5
C674264	¾	6	5
C674262	¾	5½	5
C674263	1	5½	5
C88500	1	6¼	3

* With linch pin and chain

Hitch Pins



- Bright zinc plated
- The towed implement has a forked tongue (with holes) that slips over the drawbar and shield in place by a hitch pin
- With linch pin and retainer chain

Part No.	Pin Dia. (In.)	OAL (In.)	Useable Lgth. (In.)	Unit
2521	¾	7⅛	6¼	2

Hitch Pins



- ¾" diameter
- 4¼" useable space
- Bright zinc plated

Part No.	Description	Unit
2525-3	Hitch Pin	2

Quick Disconnect Pin

PTO Disconnect Pin



- Quick disconnect pin kit
- Universal use
- Contains pin, spring, and clip

Part No.	Unit
KP72356	2

Lock Pins

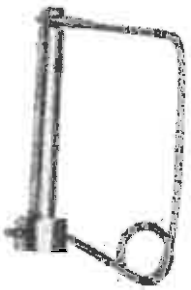
Lox-All Sta-Pin



- Spring steel wire holds pin in place
- High carbon steel pin
- Zinc plated

Part No.	Dia. (In.)	Useable Lgth. (In.)	Unit
*2458	⅝	4¼	1

Snap Lock Pin



- Tempered spring-steel
- Snap stays locked
- Zinc plated

Part No.	Dia.	Useable Space	Unit
2490	⅝	4	25

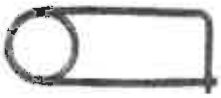
PTO Lock Pin



- Heavy duty pins with a tempered spring-steel snap that stays locked. Use them with confidence to hold wheels securely on shafts, or buckets on ropes and ladders. Not for overhead lifting.

Part No.	Pin Dia. (In.)	Useable L (In.)	Style	Unit
C88492	¼	1¾	Loop	10
C674233	¼	2½	Square	10
C674230	5/16	2½	Square	10
2527	5/16	2¾	Loop	10

Safety Pins



- Heavy-duty cadmium-plated MB spring wire (1.77 diameter)
- 1½" inside width
- 3" inside length
- Fits 3-16" diameter hole
- Applications: fleet, construction, and farm
- Ideal for applications requiring quick release safety catches

Part No.	Description	Unit
2493-5	Safety Pin	5

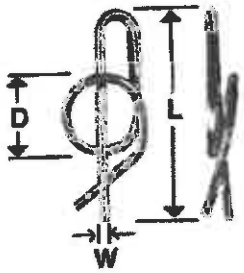
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Pins & Rings

Wrap Around Locking Cotter Pin







- Surrounds shafts and holds moving parts securely
- Carbon steel, zinc plated

Part No.	Shaft Size (In.)	Wire Size (In.)	Unit
KP10778	.260 to .270	.041	25
KP10779	.323 to .333	.047	25
KP10780	.385 to .395	.054	25
KP10781	.510 to .520	.062	25
KP10782	.635 to .645	.072	10
KP10783	.760 to .770	.091	10
KP10784	1.010 to 1.020	.105	10

Linch Pins

Linch Pin Ring & Assembly



- Without chain

Part No.	Pin Dia. (In.)	Useable Length (In.)	Style	Tractor Category	Unit
2505-3	5/16	1 1/16	No Chain	-	25
2505-1	1/4	1 3/16	No Chain	2, 3	25
C6742220	1/4	1 3/4	No Chain	-	10
2505-4	5/16	1 1/2	No Chain	-	25
2504	7/16	1 1/2	With Chain	2, 3	25
2503*	7/16	1 3/4	No Chain	1, 2, 3	5
C6742221	7/16	1 3/4	No Chain	-	10
C6742222†	7/16	1 3/4	No Chain	-	10

* Black Ring
† 1 7/8" Ring Diameter

Linch Pins



- 7/16" x 2 1/4"
- Heavy-duty

Part No.	Application	Unit
2503	Category 1, 2 and 3 tractors	5

Top Link / Lift Arm Pins

Lift Arm Pin Connection



- Lift arm pins supplied with nut and lock washer

Part No.	Cat.	Shaft Dia. (In.)	Thread Size (In.)	OAL (In.)	Useable Lgth. (In.)	Unit
2512	3	1	1-14	6 1/4	Adj.	4
2544	1	7/8	7/8-14	6 1/2	2 1/2	2

Top Link Pin Connection



2507, 2507-1

- Top links are attached to tractors and implements by means of top link pins
- Pins vary in length but diameters are standardized
- Top link pins are held in place by passing a linch pin or a hair pin through the hole in the end of the pin

Tractor Category	Ball Hole Dia. (In.)
0	5/8
1	3/4
2	1
3	1 1/4

Top Link Pins (Bright Plated)



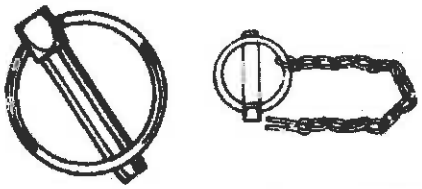
Part No.	Category	Approx. Useable Lgth. (In.)	Dia. (In.)	OEM	Unit
2503	1	5	3/4	Ford F381T9	5
2507	1	2 3/4	3/4	Ford 957E560 Ford MF195467MI	5
2507-1	1	3 3/4	3/4	Ford MF195589MI Ford AC339942	5

Hair Pins



Part No.	Wire Dia. (In.)	Length. (In.)	Unit
KP1872	3/32	1 5/8	10
KP1874	1/8	1 7/8	10
KP10365	3/32	2	10
2528	3/32	2 1/8	100
2522	3/32	2 3/16	25
2533	3/32	2 1/4	100
2535	5/16	3 5/16	15
2536	1/8	2 9/16	15
2537	1/4	3 15/16	15

Forged Linch Pins (Zinc Plated)



Part No.	Diameter x Usable Length (In.)	Pin Dia. (In.)	Style	Unit
2505-1	1/4 x 1 3/4	1/4	without chain	25
2525	7/16 x 1 3/8	7/16	with chain	25
KP72358	1/2 x 1 31/32	7/16	without chain	10
KP72351	7/16 x 1 15/32	7/16	without chain h.d. ring	10
KP66361	1/4 x 1 9/16	1/4	with chain	10
KP66363	5/16 x 1 9/16	5/16	with chain	10
2504	7/16 x 1 3/8	7/16	with chain	25
KP66859	7/16 x 1 15/32	7/16	with chain	10

Rolled Spring Pins-Steel

Rolled Spring Pins



- Meets SAE J496 specifications
- Carbon steel
- Black oil finish

Part No.	Dia. (In.)	Length (In.)	Unit
35001	1/16	1/4	100
35002	1/16	3/8	100
KP35002	1/16	3/8	25
35003	1/16	1/2	100
KP35003	1/16	1/2	25
35004	1/16	5/8	100
35005	1/16	3/4	100
KP35005	1/16	3/4	25
35021	1/16	1	100
KP35006	1/16	1	25

Part No.	Dia. (In.)	Length (In.)	Unit
35007	5/64	1/4	100
35008	5/64	3/8	100
35009	5/64	1/2	100

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. (In.)	Length (In.)	Unit
35010	5/64	5/16	100
35011	5/64	3/4	100
35012	5/64	1	100

Part No.	Dia. (In.)	Length (In.)	Unit
35013	3/32	1/4	100
35014	3/32	3/8	100
35016	3/32	1/2	100
MP35016	3/32	1/2	25
35017	3/32	9/16	100
35018	3/32	5/8	100
MP35018	3/32	5/8	25
35019	3/32	3/4	100
MP35019	3/32	3/4	25
35020	3/32	7/8	100
35021	3/32	1	100
MP35021	3/32	1	25
35022	3/32	1 1/4	100
CR4547	3/32	1 1/2	100

Part No.	Dia. (In.)	Length (In.)	Unit
35023	1/8	3/8	100
35024	1/8	1/2	100
MP35024	1/8	1/2	25
35025	1/8	5/8	100
35026	1/8	3/4	100
MP35026	1/8	3/4	25
35027	1/8	7/8	100
35028	1/8	1	100
MP35028	1/8	1	25
35029	1/8	1 1/4	100
MP35029	1/8	1 1/4	25
35030	1/8	1 1/2	100
MP35030	1/8	1 1/2	25
CR4551	1/8	2	100

Part No.	Dia. (In.)	Length (In.)	Unit
35031	5/32	1/2	100
35032	5/32	5/8	100
35033	5/32	3/4	100
MP35033	5/32	3/4	25
35034	5/32	7/8	100
35035	5/32	1	100
MP35035	5/32	1	10
35036	5/32	1 1/4	100
MP35036	5/32	1 1/4	10
35037	5/32	1 1/2	100
MP35037	5/32	1 1/2	10
CR4553	5/32	2	50

Part No.	Dia. (In.)	Length (In.)	Unit
35038	3/16	1/2	100
35039	3/16	3/4	100
35040	3/16	7/8	100
35041	3/16	1	100
MP35041	3/16	1	10
35042	3/16	1 1/4	100
MP35042	3/16	1 1/4	10
35043	3/16	1 1/2	100
MP35043	3/16	1 1/2	10
35044	3/16	1 3/4	100
35045	3/16	2	100
MP35045	3/16	2	10
CR5732	3/16	2 1/2	50

Part No.	Dia. (In.)	Length (In.)	Unit
35046	7/32	5/8	100
35047	7/32	3/4	100
35048	7/32	1	50
35049	7/32	1 1/4	50
35050	7/32	1 1/2	50
MP35050	7/32	1 1/2	10

Part No.	Dia. (In.)	Length (In.)	Unit
35051	7/32	1 3/4	50
35052	7/32	2	50
MP35052	7/32	2	10

Part No.	Dia. (In.)	Length (In.)	Unit
35053	1/4	5/8	100
35054	1/4	3/4	100
35055	1/4	1	50
MP35055	1/4	1	10
35056	1/4	1 1/4	50
MP35056	1/4	1 1/4	10
35057	1/4	1 1/2	50
MP35057	1/4	1 1/2	10
35058	1/4	1 3/4	50
35059	1/4	2	25
MP35059	1/4	2	5
35060	1/4	2 1/4	25
35061	1/4	2 1/2	25
35062	1/4	2 3/4	25
35063	1/4	3	25

Part No.	Dia. (In.)	Length (In.)	Unit
35064	5/16	3/4	100
35065	5/16	7/8	100
35066	5/16	1	50
35067	5/16	1 1/4	50
MP35067	5/16	1 1/4	5
35068	5/16	1 1/2	50
MP35068	5/16	1 1/2	5
35069	5/16	1 3/4	50
35070	5/16	2	25
MP35070	5/16	2	5
35071	5/16	2 1/4	25
35072	5/16	2 1/2	15
35073	5/16	2 3/4	15
35074	5/16	3	15

Part No.	Dia. (In.)	Length (In.)	Unit
35075	3/8	3/4	50
35076	3/8	1	25
35077	3/8	1 1/4	25
35078	3/8	1 1/2	25
MP35078	3/8	1 1/2	5
35079	3/8	1 3/4	25
35080	3/8	2	25
MP35080	3/8	2	5
35081	3/8	2 1/2	15
35082	3/8	3	15

Part No.	Dia. (In.)	Length (In.)	Unit
35083	7/16	1	25
35084	7/16	1 1/4	25
35085	7/16	1 1/2	25
35086	7/16	1 3/4	25
35087	7/16	2	25
35088	7/16	2 1/2	15
35089	7/16	3	15

Part No.	Dia. (In.)	Length (In.)	Unit
35090	1/2	1 1/2	25
35091	1/2	1 3/4	25
35092	1/2	2	25
35093	1/2	2 1/2	15
35094	1/2	3	15
35095	1/2	3 1/2	10
35096	1/2	4	10

Coiled Spring Pins-Steel

Coiled Steel Spring Pin



- Spring steel
- Heat treated
- Black oil finish
- Chamfered ends
- Meets SAE J496 specifications
- Medium duty

Part No.	Dia. (In.)	Length (In.)	Unit
34969	1/16	1/8	50
34970	1/16	5/16	50
C4758B5	1/16	1/2	100
34971	1/16	3/4	50
34971-1	1/16	1	50

Part No.	Dia. (In.)	Length (In.)	Unit
34973	5/64	5/16	50
34972-1	5/64	3/4	50
34973-3	5/64	1	50

Part No.	Dia. (In.)	Length (In.)	Unit
C4758[illegible]	3/32	1/4	100
C4758[illegible]	3/32	1/2	100
34975	3/32	3/4	50
34976	3/32	5/8	50
34976-3	3/32	1	50
34977	3/32	1 1/8	50
C4758[illegible]	3/32	1 1/4	100
34977-2	3/32	1 1/2	50

Part No.	Dia. (In.)	Length (In.)	Unit
34978	1/8	3/8	50
34978-1	1/8	1/2	50
34979	1/8	3/4	50
34979-1	1/8	1	50
34980	1/8	1 1/4	50
34981	1/8	1 1/2	50
34981-1	1/8	1 3/4	50
34981-2	1/8	2	50

Part No.	Dia. (In.)	Length (In.)	Unit
C4758[illegible]	5/32	1/2	100
34982	5/32	3/4	50
34982-7/8	5/32	7/8	50
34982-1	5/32	1	50
34982-1 1/8	5/32	1 1/8	50
34983	5/32	1 1/4	50
34983-1	5/32	1 1/2	50
34983-2	5/32	1 3/4	50
34983-3	5/32	2	50

Part No.	Dia. (In.)	Length (In.)	Unit
34984	3/16	1/2	50
34984-4	3/16	3/4	50
34984-5	3/16	7/8	50
34985	3/16	1	50
34985-1 1/8	3/16	1 1/8	25
34985-2	3/16	1 1/4	25
34985-2 1/2	3/16	1 3/4	25
34985-4	3/16	1 1/2	25
34985-5	3/16	1 3/4	25
34986	3/16	2	25
34986-3	3/16	2 1/2	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. (in.)	Length (in.)	Unit
C673432	7/32	3/4	100
C673436	7/32	1	100
C673438	7/32	1 1/4	100
35387	7/32	1 3/4	25
C673440	7/32	1 1/2	100
34938	7/32	1 3/4	25
C673444	7/32	2	100

Part No.	Dia. (in.)	Length (in.)	Unit
34919	1/4	3/4	25
34919-7/8	1/4	7/8	25
34919-1	1/4	1	25
34919-1 1/8	1/4	1 1/8	25
34919	1/4	1 1/4	25
34919-1	1/4	1 1/2	25
34919-1 5/8	1/4	1 5/8	25
34919-2	1/4	1 3/4	25
34919	1/4	2	25
34919-1 1/4	1/4	2 1/4	25
34919-X	1/4	2 1/2	25
34919-3	1/4	3	25
34919-3 1/4	1/4	3 1/4	25

Part No.	Dia. (in.)	Length (in.)	Unit
34992	5/16	3/4	25
34992-1	5/16	1	25
34992-1	5/16	1 1/4	25
34992	5/16	1 1/2	25
34992-2	5/16	1 3/4	25
34992-4	5/16	2	25
34992-5	5/16	2 1/2	25
34992-7	5/16	2 3/4	25
KP77424	5/16	3	25

Dowel Pins-Steel

Dowel Pins
Hardened Ground Machine Type



- Meets ANSI/ASME B18.8.2 specifications
- Medium carbon alloy steel
- Through-hardened
- Black oxide finish
- Chamfered one end
- Standard series pin diameter

Part No.	Dia. (in.)	Length (in.)	Unit
40050	1/8	3/8	25
40051	1/8	1/2	25
40052	1/8	5/8	25
40053	1/8	3/4	25
40054	1/8	7/8	25
40055	1/8	1	25
40056	1/8	1 1/4	25
40057	1/8	1 1/2	25
40058	1/8	1 3/4	25
40059	1/8	2	25

Part No.	Dia. (in.)	Length (in.)	Unit
40060	5/32	1/2	25
40061	5/32	5/8	25
40062	5/32	3/4	25
40063	5/32	7/8	25
40064	5/32	1	25
40065	5/32	1 1/4	25
40066	5/32	1 1/2	25
40067	5/32	1 3/4	25
40068	5/32	2	25

Part No.	Dia. (in.)	Length (in.)	Unit
40069	1/4	1/2	25
40070	1/4	5/8	25
40071	1/4	3/4	25
40072	1/4	7/8	25
40073	1/4	1	25
40074	1/4	1 1/4	25
40075	1/4	1 1/2	25
40076	1/4	1 3/4	25
40077	1/4	2	25
40078	1/4	2 1/4	25
40079	1/4	2 1/2	25

Part No.	Dia. (in.)	Length (in.)	Unit
40080	5/16	1/2	25
40081	5/16	5/8	25
40082	5/16	3/4	25
40083	5/16	7/8	25
40084	5/16	1	25
40085	5/16	1 1/4	25
40086	5/16	1 1/2	25
40087	5/16	1 3/4	25
40088	5/16	2	25
40089	5/16	2 1/4	25
40090	5/16	2 1/2	25
40091	5/16	3	25

Part No.	Dia. (in.)	Length (in.)	Unit
40092	3/8	1/2	25
40093	3/8	5/8	25
40094	3/8	3/4	25
40095	3/8	7/8	25
40096	3/8	1	25
40097	3/8	1 1/4	25
40098	3/8	1 1/2	25
40099	3/8	1 3/4	25
40100	3/8	2	25
40101	3/8	2 1/4	25
40102	3/8	2 1/2	25
40103	3/8	3	25

Part No.	Dia. (in.)	Length (in.)	Unit
40104	7/16	1	10
40105	7/16	1 1/4	10
40106	7/16	1 1/2	10
40107	7/16	1 3/4	10
40110	7/16	2	10
40112	7/16	2 1/2	10
40113	7/16	3	10

Part No.	Dia. (in.)	Length (in.)	Unit
40114	1/2	3/4	10
40115	1/2	1	10
40116	1/2	1 1/4	10
40117	1/2	1 1/2	10
40118	1/2	1 3/4	10
40119	1/2	2	10
40120	1/2	2 1/4	10
40121	1/2	2 1/2	10
40122	1/2	3	10
40123	1/2	3 1/2	10

Part No.	Dia. (in.)	Length (in.)	Unit
40124	1/2	4	10

Part No.	Dia. (in.)	Length (in.)	Unit
40126	5/8	1	10
40127	5/8	1 1/4	10
40128	5/8	1 1/2	10
40129	5/8	1 3/4	10
40130	5/8	2	10
40131	5/8	2 1/2	10
40132	5/8	3	10
40133	5/8	3 1/2	10
40134	5/8	4	10

Part No.	Dia. (in.)	Length (in.)	Unit
40135	3/4	2	10
40136	3/4	3	10

Dowel Pins (Non-Plated)
Hardened Ground Machine Type



- Meets ANSI/ASME B18.8.2 specifications
- Medium carbon alloy steel
- Through-hardened
- Chamfered one end
- Standard series pin diameter

Part No.	Dia. (in.)	Length (in.)	Unit
34860	1/16	1/2	25
34861	1/16	3/4	25
34862	1/16	1	25

Part No.	Dia. (in.)	Length (in.)	Unit
34863	3/32	1/4	25
34864	3/32	1/2	25
34865	3/32	5/8	25
34866	3/32	3/4	25
34867	3/32	1	25

Part No.	Dia. (in.)	Length (in.)	Unit
34870	1/8	3/4	25
34871	1/8	1/2	25
34871-1	1/8	5/8	25
34872		3/4	25
34872-1	1/8	3/8	25
34873	1/8	1	25
34873-1	1/8	1 1/4	25
34874	1/8	1 1/2	25
34874-1	1/8	1 3/4	25
34875	1/8	2	25

Part No.	Dia. (in.)	Length (in.)	Unit
34878	3/16	1/2	25
34878-1	3/16	5/8	25
34879	3/16	3/4	25
34879-1	3/16	7/8	25
34880	3/16	1	25
34880-1	3/16	1 1/4	25
34881	3/16	1 1/2	25
34881-1	3/16	1 3/4	25
34882	3/16	2	25

Part No.	Dia. (in.)	Length (in.)	Unit
34885	1/4	1/2	25
34886	1/4	5/8	25
34887	1/4	3/4	25
34887-1	1/4	7/8	25
34888	1/4	1	25
34888-1	1/4	1 1/4	25
34889	1/4	1 1/2	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Dia. (In.)	Length (In.)	Unit
34889-1	¼	1¾	25
34890	¼	2	25
34891	¼	2¼	25
34892	¼	2½	25

Part No.	Dia. (In.)	Length (In.)	Unit
34893	5/16	½	25
34894	5/16	¾	25
34895	5/16	1	25
MP34895	5/16	1	10
34895-1	5/16	1¼	25
34896	5/16	1½	25
MP34896	5/16	1½	10
34896-1	5/16	1¾	25
34897	5/16	2	25
MP22570	5/16	2½	25
MP38871	5/16	3	25

Part No.	Dia. (In.)	Length (In.)	Unit
34901	3/8	½	25
34901	3/8	¾	25
MP22573	3/8	⅞	25
34902	3/8	1	25
MP34902	3/8	1	10
34902-1	3/8	1¼	25
34903	3/8	1½	25
MP34903	3/8	1½	10
34903-1	3/8	1¾	25
34904	3/8	2	25
MP34904	3/8	2	10
34905	3/8	2¼	25
34906	3/8	2½	25
34906-1	3/8	3	25
34907	7/16	1	10
34908	7/16	1½	10
34909	7/16	2	10

Part No.	Dia. (In.)	Length (In.)	Unit
34911	½	¾	10
34912	½	1	10
34912-1	½	1¼	10
34913	½	1½	10
34913-1	½	1¾	10
34914	½	2	10
34915	½	2¼	10
34916	½	2½	10
34917	½	3	10
34918	½	3½	10
34919	½	4	10

Part No.	Dia. (In.)	Length (In.)	Unit
34920	5/8	1	10
34921	5/8	1¼	10
34922	5/8	1½	10
34923	5/8	2	10
34924	5/8	2½	10
34925	5/8	3	10

Part No.	Dia. (In.)	Length (In.)	Unit
34929	¾	2	10
34931	¾	2½	10
34932	¾	3	10

Pull Dowel Pins-Steel

Pull Dowel Pins



- Meets ANSI/ASME B18.8.2 specifications
- Alloy steel
- Case hardened
- Machine-ground finish
- Chamfered one end
- Standard series pin diameter

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35150	¼	¾	8-32	12,800	20
35151	¼	1	8-32	12,800	20
+CD552937	¼	1¼	6-32	12,800	100
35152	¼	1½	8-32	12,800	20
+CD558535	¼	2	6-32	12,800	100

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35154	5/32	¾	10-32	20,000	20
35155	5/16	1	10-32	20,000	20
35156	5/16	1¼	10-32	20,000	20
35157	5/16	1½	10-32	20,000	20
35158	5/16	2	10-32	20,000	20

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35159	3/8	1	10-32	28,700	20
35160	3/8	1¼	10-32	28,700	20
35161	3/8	1½	10-32	28,700	20
35162	3/8	1¾	10-32	28,700	20
35163	3/8	2	10-32	28,700	20
35164	3/8	2½	10-32	28,700	20
35165	3/8	3	10-32	28,700	20

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35166	½	1	¼-20	51,000	20
35167	½	1¼	¼-20	51,000	20
35168	½	1½	¼-20	51,000	20
35169	½	1¾	¼-20	51,000	20
35170	½	2	¼-20	51,000	20
35171	½	2½	¼-20	51,000	20
35172	½	3	¼-20	51,000	20

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35173	⅝	1½	¼-20	79,800	10
35174	⅝	2	¼-20	79,800	10
35175	⅝	2½	¼-20	79,800	10
35176	⅝	3	¼-20	79,800	10
+CD559108	¾	2	5/16-18	66,270	10
+CD559999	¾	2½	5/16-18	66,270	10
+CD559824	¾	3	5/16-18	66,270	10

+Canada only

Pull Dowel Pins



- Meets ANSI/ASME B18.8.2 specifications
- Alloy steel
- Case hardened
- Plain black finish
- Chamfered one end
- Standard series pin diameter

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35100	¼	¾			20
35101	¼	1	8-32	12,800	20
35102	¼	1½			20
35103	¼	2			20

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35104	5/16	¾			20
35105	5/16	1			20
35106	5/16	1¼	10-32	20,000	20
35107	5/16	1½			20
35108	5/16	2			20

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35109	⅜	1			20
35110	⅜	1¼			20
35111	⅜	1½	10-32	28,700	20
35112	⅜	1¾			20
35113	⅜	2			20
35114	⅜	2½			20
35115	⅜	3			20

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35116	½	1			20
35117	½	1¼	¼-20	51,000	20
35118	½	1½			20
35119	½	1¾			20
35120	½	2			20
35121	½	2½			20
35122	½	3			20

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35123	⅝	1½			10
35124	⅝	2	¼-20	79,900	10
35125	⅝	2½			10
35126	⅝	3			10
35127	¾	2			10
35128	¾	2½	5/16-18	114,000	10
35129	¾	3			10

Part No.	Dia. (In.)	Length (In.)	Thread Size	Min. Double Shear Load/Lb.	Unit
35130	1	2			10
35131	1	3	⅜-16	204,000	10
35132	1	4			10

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Taper Pins-Steel

Taper Pins



- Low carbon steel
- Non-plated
- Recommended for applications where alignment is necessary or where disassembly is frequent

Part No.	Pin Size	Length (In.)	Large Dia. (In.)	Unit
MP64679	3/8	3/4	.141	50
MP64680	3/8	1 1/2	.141	50
34820	No. 0 (5/32")	3/4	.156	50
MP34820	No. 0 (5/32")	3/4	.156	25
34821	No. 0 (5/32")	1	.156	50
MP34821	No. 0 (5/32")	1	.156	25
34822	No. 0 (5/32")	1 1/2	.156	50
MP34822	No. 0 (5/32")	1 1/2	.156	10
34823	No. 0 (5/32")	2	.156	50
MP34823	No. 0 (5/32")	2	.156	10

Part No.	Pin Size	Length (In.)	Large Dia. (In.)	Unit
34825	No. 1 (3/16")	3/4	.172	50
MP34825	No. 1 (3/16")	3/4	.172	25
34826	No. 1 (3/16")	1	.172	50
MP34826	No. 1 (3/16")	1	.172	25
34827	No. 1 (3/16")	1 1/2	.172	50
MP34827	No. 1 (3/16")	1 1/2	.172	10
34828	No. 1 (3/16")	2	.172	50
MP34828	No. 1 (3/16")	2	.172	10

Part No.	Pin Size	Length (In.)	Large Dia. (In.)	Unit
34830	No. 2 (7/32")	3/4	.193	50
MP34830	No. 2 (7/32")	3/4	.193	25
34831	No. 2 (7/32")	1	.193	50
MP34831	No. 2 (7/32")	1	.193	25
MP64655	No. 2 (7/32)	1 1/4	.193	50
34832	No. 2 (7/32")	1 1/2	.193	50
MP34832	No. 2 (7/32")	1 1/2	.193	10
34833	No. 2 (7/32")	2	.193	25
MP34833	No. 2 (7/32")	2	.193	10

Part No.	Pin Size	Length (In.)	Large Dia. (In.)	Unit
34835	No. 3 (9/32")	3/4	.219	50
MP34835	No. 3 (9/32")	3/4	.219	25
34836	No. 3 (9/32")	1	.219	50
MP34836	No. 3 (9/32")	1	.219	25
34837	No. 3 (9/32")	1 1/4	.219	25
MP34837	No. 3 (9/32")	1 1/4	.219	10
34838	No. 3 (9/32")	2	.219	25
MP34838	No. 3 (9/32")	2	.219	10
34839	No. 3 (9/32")	2 1/2	.219	25
MP34839	No. 3 (9/32")	2 1/2	.219	10
MP64658	No. 3 (9/32)	3	.219	25

Part No.	Pin Size	Length (In.)	Large Dia. (In.)	Unit
34840	No. 4 (1/4")	1	.250	50
MP34840	No. 4 (1/4")	1	.250	10
34841	No. 4 (1/4")	1 1/2	.250	50
MP34841	No. 4 (1/4")	1 1/2	.250	10
34842	No. 4 (1/4")	2	.250	25
MP34842	No. 4 (1/4")	2	.250	10
34843	No. 4 (1/4")	2 1/2	.250	25
34844	No. 4 (1/4")	3	.250	25
34844-1	No. 4 (1/4")	4	.250	25

Part No.	Pin Size	Length (In.)	Large Dia. (In.)	Unit
34845	No. 5 (5/16")	1	.289	50
MP34845	No. 5 (5/16")	1	.289	10
34846	No. 5 (5/16")	1 1/2	.289	25

Part No.	Pin Size	Length (In.)	Large Dia. (In.)	Unit
MP34846	No. 5 (5/16")	1 1/2	.289	10
34847	No. 5 (5/16")	2	.289	25
MP34847	No. 5 (5/16")	2	.289	10
34848	No. 5 (5/16")	2 1/4	.289	25
34849	No. 5 (5/16")	3	.289	25
34849-1	No. 5 (5/16")	4	.289	25
34849-2	No. 5 (5/16")	5	.289	25
34849-3	No. 5 (5/16")	6	.289	25

Part No.	Pin Size	Length (In.)	Large Dia. (In.)	Unit
34850	No. 6 (3/8")	1	.341	25
MP34850	No. 6 (3/8")	1	.341	10
34851	No. 6 (3/8")	1 1/2	.341	25
MP34851	No. 6 (3/8")	1 1/2	.341	10
34852	No. 6 (3/8")	2	.341	20
MP34852	No. 6 (3/8")	2	.341	10
34853	No. 6 (3/8")	2 1/2	.341	20
MP34853	No. 6 (3/8")	2 1/2	.341	10
34854	No. 6 (3/8")	3	.341	10
34854-1	No. 6 (3/8")	4	.341	10
34854-2	No. 6 (3/8")	5	.341	10
34854-3	No. 6 (3/8")	6	.341	10

Part No.	Pin Size	Length (In.)	Large Dia. (In.)	Unit
34855	No. 7 (13/32")	1	.409	10
34856	No. 7 (13/32")	1 1/2	.409	10
34857	No. 7 (13/32")	2	.489	10
34858	No. 7 (13/32")	2 1/2	.409	10
34859	No. 7 (13/32")	3	.409	10
34859-1	No. 7 (13/32")	4	.409	10
34859-2	No. 7 (13/32")	5	.409	10
34859-3	No. 7 (13/32")	6	.409	10

Part No.	Pin Size	Length (In.)	Large Dia. (In.)	Unit
34859-4	No. 8 (1/4")	3	.492	10
34859-5	No. 8 (1/4")	4	.492	10
34859-6	No. 8 (1/4")	5	.492	10
34859-7	No. 8 (1/4")	6	.492	10

Internal Retaining Rings-Steel

Internal Retaining Rings



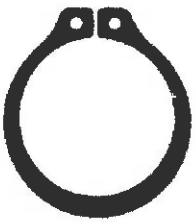
- Carbon spring steel
- Heat treated
- Black oil finish

Part No.	Housing Dia. (In.)	Groove Dia. (In.)	Thickness (In.)	Unit
35245	1/4	.268	.015	50
35249	5/16	.330	.015	50
35251	3/8	.397	.025	50
35252	7/16	.461	.025	50
35254	1/2	.530	.035	50
35255	9/16	.596	.035	50
35256	5/8	.665	.035	50
35257	11/16	.732	.035	50
35258	3/4	.796	.035	50
35258-1	13/16	.862	.042	50
35263	7/8	.931	.042	50

Part No.	Housing Dia. (In.)	Groove Dia. (In.)	Thickness (In.)	Unit
35261	15/16	1.000	.042	50
35262	1	1.066	.042	50
C670128	1.023	1.094	.042	25
35262-1	1 1/16	1.130	.050	50
35262-2	1 1/8	1.197	.050	50
35265	1 1/4	1.330	.050	50
35266	1 5/16	1.396	.050	50
35267	1 3/8	1.461	.050	50
35268	1 7/16	1.528	.050	50
35269	1 1/2	1.594	.050	50
35270	1 9/16	1.658	.062	25
35271	1 5/8	1.725	.062	25
35272	1 3/4	1.858	.062	25
35273	1 7/8	1.989	.062	25
35274	2	2.122	.062	25
KP676	2 1/16	2.251	.078	15
C92541	2 1/4	2.39	.078	10
KP678	2 3/16	2.517	.078	15
C92542	2 1/2	2.609	.078	10
KP680	2 5/8	2.781	.093	15
C92543	2 3/4	2.906	.093	10
C92544	3	3.172	.093	10

External Retaining Rings-Steel

External Retaining Rings



- Carbon spring steel
- Heat treated
- Black oil finish

Part No.	Shaft Dia. (In.)	Groove Dia. (In.)	Thickness (In.)	Unit
35275*	1/8	.117	.010	50
35277*	3/16	.175	.015	50
35278	1/4	.230	.025	50
35280	5/16	.290	.025	50
35282	3/8	.352	.025	50
35283	7/16	.412	.025	50
35285	1/2	.468	.035	50
CA71028	.55	.516	.035	50
35286	9/16	.530	.035	50
35288	5/8	.588	.035	50
35289	11/16	.646	.042	50
35290	3/4	.704	.042	50
CE1776	25/32	.734	.042	25
35290-1	13/16	.762	.042	50
CA71048	27/32	.797	.042	25
35291	7/8	.821	.042	50
35291-1	15/16	.882	.042	50
35293	1	.940	.042	25
35292	1 1/16	.998	.050	25
35293-1	1 1/8	1.059	.050	25
35295	1 3/16	1.118	.050	25
35296	1 1/4	1.176	.050	25
35297	1 5/16	1.232	.050	25

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Shaft Dia. (in.)	Groove Dia. (in.)	Thickness (in.)	Unit
35297	1¾	1.291	.050	10
35298	1¹³⁄₁₆	1.350	.050	10
35300	1½	1.406	.050	10
35301	1¹⁵⁄₁₆	1.468	.050	10
35302	1⅝	1.529	.062	10
35303	1¹¹⁄₁₆	1.650	.062	10
35304	1⅞	1.769	.062	10
35305	2	1.886	.062	10
MP493	2⅛	2.003	.078	15
35306	2¼	2.120	.078	10
MP495	2¾	2.239	.078	15
35307	2⅜	2.360	.078	10
MP497	2½	2.481	.078	10
C92351	2¾	2.609	.093	5
C92352	3	2.828	.093	5

*Beryllium Copper

"E" Retaining Rings-Steel

"E" Retaining Rings



- Carbon spring steel
- Heat treated
- Black oil finish

Part No.	Shaft Dia. (in.)	Groove Dia. (in.)	Thickness (in.)	Unit
35226	3/32	.074	.015	50
35228	1/8	.095	.015	50
*CD552110	1/16	.052	—	100
35229	5/64	.105	.025	50
35230	3/32	.116	.025	50
35232	1/16	.147	.025	50
35233	3/16	.178	.025	50
35234	1/4	.210	.025	50
MP85234	1/4	.210	.025	25
35236	5/16	.250	.025	50
MP85236	5/16	.250	.025	25
35238	3/8	.303	.035	50
35239	7/16	.343	.035	50
35241	1/2	.396	.042	50
MP63193	9/16	.437	.042	50
35242	5/8	.485	.042	25
35243	3/4	.580	.050	25
35244	7/8	.675	.050	25
35245	1	.835	.050	25
*CD552131	1¹⁵⁄₁₆	1.079	—	50
*CD552132	1⅜	1.230	—	50

*Canada only

X-Washer Retaining Rings

X-Washer Retaining Ring



- Steel
- 360° closure
- Zinc plated

Part No.	Shaft Dia. (in.)	Thickness (in.)	Thickness (in.)	Unit
31490	5/64	1/64	.025	100
31491	3/32	3/64	.055	100
31492	1/8	3/64	.055	100
31493	5/32	1/16	.065	10
31494	9/64	1/16	.065	50
31495	7/32	1/16	.075	50
31496	1/4	1/16	.075	50
31497	9/32	1/16	.075	50

Int / Ext Retaining Ring Tool

Internal/External Retaining Ring Tool



- Metal construction
- Unique push-button conversion from internal to external
- Vinyl handles
- Installs internal ring sizes 3/16" through 2" & external ring sizes 1/4" through 2"
- Includes straight tips; .036", .047" & .070"
- Includes 90° tips; .036" & .047"

Part No.	Description	Unit
TS232	Internal/external retaining ring tool	1

Available in Assortments:
Refer to Part No. BP-197

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

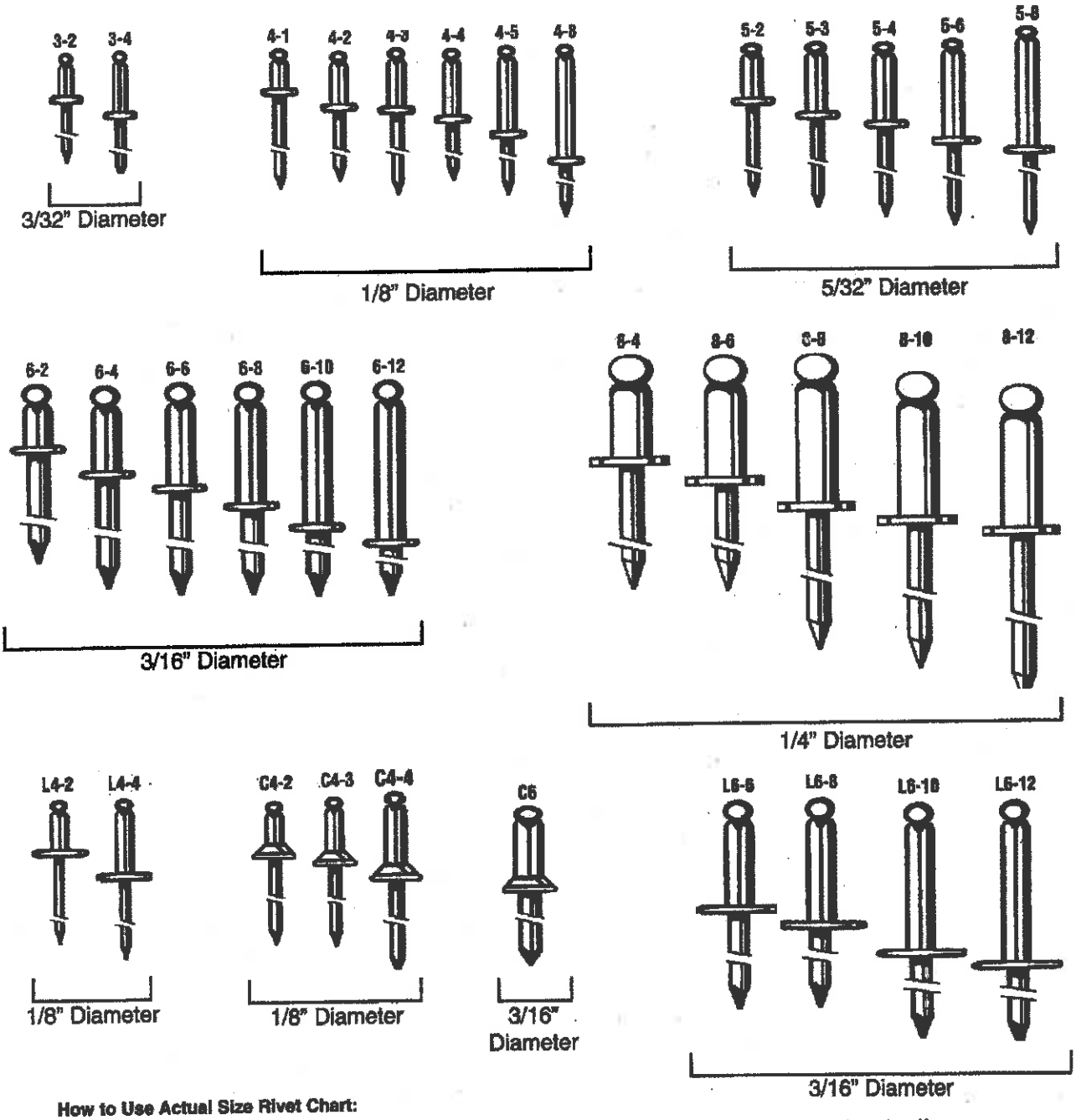
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Rivets

Open End Blind Rivets

Button Head Blind Rivet Size Chart

Actual Size



How to Use Actual Size Rivet Chart:

Place rivet on chart, lining up rivet head with chart, Mandrel (nail portion) length does not determine rivet size. If rivet length is between 2 sizes (i.e. 4-2 and 4-3) choose the larger size.

How to find part number:

1. Locate desired size – head designation on chart
2. Locate desired material combination column
3. Correct part number and rivet code number are across from size – head under material combination

GRAYSON INDUSTRIES, INC.

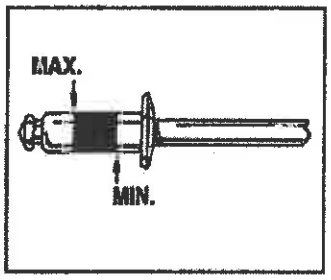
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

SELECTING THE CORRECT RIVET

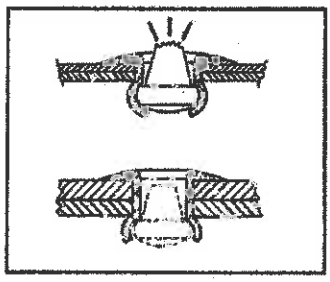
- The shear and tensile strength of the rivet selected and the number of rivets used in the application should equal or exceed the joint strength requirements.
- Determine the total material thickness to be joined; refer to the Grip Range column on the specific page; select the rivet size that equals or exceeds the application thickness. Note the rivet barrel length, Column L, is not the grip range.
- The rivet body alloy, in addition to being chosen for strength requirements, should also be selected for compatibility with the materials to be joined to avoid galvanic corrosion caused by coupling dissimilar metals. If dissimilar metals are widely separated on the galvanic chart, it is advisable to separate them with a dielectric material such as paint of other coating.

GRIP RANGE



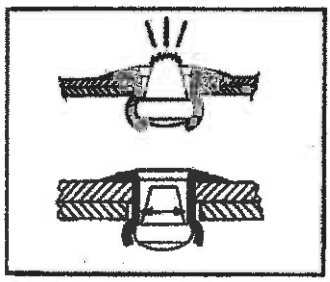
- Material thickness less than or greater than the grip range will result improper setting or failure

MATERIAL THICKNESS



- Under or oversized hole diameter can "pull thru"
- Material thickness greater than the grip range will cause a failure

PULL THRU



- Material too thin
- Wrong grip range
- Compression of soft material
- Oversized hole

Rivet Head Styles

BUTTONHEAD



- Low profile head diameter is twice the rivet body diameter, providing adequate bearing surface for nearly all applications

LARGE FLANGE



- Provide greater bearing surface for fastening soft or brittle facing materials and oversized holes
- Protects the integrity of the application

120° COUNTERSUNK



- 120° Countersunk rivets are used for applications where a flush appearance is required
- Use with Kar No. 60064, countersink drill

Open-End Blind Rivets



Open-End Blind Rivets Steel Rivet/Steel Mandrel

Part No.	Industry No.	Head Style	Rivet Dia. (In.)	Grip Range (In.)	Unit
[illegible]	3-2	Dome	3/32	.020-1/8	100
[illegible]	3-4	Dome	3/32	1/8-1/4	100
34111	4-1	Dome	1/8	1/32-3/16	100
[illegible]	4-1	Dome	1/8	1/32-3/16	250
34112	4-2	Dome	1/8	1/16-1/8	100
[illegible]	4-2	Dome	1/8	1/16-1/8	250
34115	C4-2	Countersunk	1/8	1/16-1/8	100
34156	L4-2	Large Flange	1/8	1/16-1/8	100
34113	4-3	Dome	1/8	1/8-3/16	100
[illegible]	4-3	Dome	1/8	1/8-3/16	250
[illegible]	L4-3	Large Flange	1/8	1/8-3/16	100
[illegible]	C4-3	Countersunk	1/8	1/8-3/16	100
34116	4-4	Dome	1/8	3/16-1/4	100
[illegible]	4-4	Dome	1/8	3/16 - 1/4	250
34114-X	4-4	Dome	1/8	3/16-1/4	100
34117	C4-4	Countersunk	1/8	3/16-1/4	100
[illegible]	C4-4	Countersunk	1/8	3/16-1/4	250
34117-X	C4-4	Countersunk	1/8	3/16-1/4	1000
[illegible]	L4-4	Large Flange	1/8	3/16-1/4	250
34158	L4-4	Large Flange	1/8	3/16-1/4	100
[illegible]	4-5	Dome	5/32	1/4-5/16	250
34117-1	4-5	Dome	1/8	1/4-5/16	100
[illegible]	4-6	Dome	1/8	5/16-3/8	100
[illegible]	4-6	Dome	1/8	5/16-3/8	250
[illegible]	L4-6	Large Flange	1/8	1/4-3/8	250
34118-1	4-8	Dome	1/8	3/8-1/2	100
[illegible]	4-8	Dome	1/8	3/8-1/2	250
[illegible]	4-10	Dome	5/32	1/2-5/8	250
34145	5-2	Dome	3/32	1/16-1/8	100
[illegible]	5-3	Dome	3/32	1/8-3/16	250

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Rivets

Continued from previous page

Part No.	Industry No.	Head Style	Rivet Dia. (in.)	Grip Range (in.)	Unit
34147	5-4	Dome	5/32	3/16-1/4	100
KP66090	5-4	Dome	5/32	3/16-1/4	250
34148	5-6	Dome	5/32	1/4-3/8	100
C9139	5-8	Dome	5/32	3/8-1/2	100
KP70810	5-8	Dome	5/32	3/8-1/2	250
34169	6-2	Dome	3/16	1/16-1/8	100
34198	6-4	Dome	3/16	1/8-1/4	100
C39845	6-4	Dome	3/16	1/8-1/4	250
KP83103	L6-4	Large Flange	3/16	1/8-1/4	250
KP83103-1	L6-4	Large Flange	3/16	1/8-1/4	100
C652520	C6-4	Countersunk	3/16	1/8-1/4	100
34191	6-6	Dome	3/16	1/4-3/8	100
KP4240	6-6	Dome	3/16	1/4-3/8	250
34175	L6-6	Large Flange	3/16	1/4-3/8	100
C39846	L6-6	Large Flange	3/16	1/4-3/8	250
34192	6-8	Dome	3/16	3/8-1/2	100
KP66102	6-8	Dome	3/16	3/8-1/2	250
34176-1	L6-8	Large Flange	3/16	3/8-1/2	100
34176-1-3000	L6-8	Large Flange	3/16	3/8-1/2	3000
KP65105	L6-8	Large Flange	3/16	3/8-1/2	250
34193	6-10	Dome	3/16	1/2-5/8	100
KP65109	6-10	Dome	3/16	1/2-5/8	250
34177	L6-10	Large Flange	3/16	1/2-5/8	100
KP66111	L6-10	Large Flange	3/16	1/2-5/8	250
34194	6-12	Dome	3/16	5/8 - 3/4	100
KP65113	6-12	Dome	3/16	5/8-3/4	250
34178	L6-12	Large Flange	3/16	5/8-3/4	100
KP7858	6-14	Dome	3/16	3/4-7/8	250
KP7859-1	6-16	Dome	3/16	7/8-1	100
C88118	8-4	Dome	1/4	1/16-1/4	50
34195	8-6	Dome	1/4	1/4-3/8	100
34196	8-8	Dome	1/4	3/8-1/2	100
C24677	8-10	Dome	1/4	1/2-5/8	50
C88121	8-12	Dome	1/4	1/2-3/4	50
C650552	8-16	Dome	1/4	7/8-1	50

Open-End Blind Rivets
Aluminum Rivets/Steel Mandrel

Part No.	Industry No.	Head Style	Rivet Dia. (in.)	Grip Range (in.)	Unit
34167	3-2	Dome	3/32	.020-1/8	100
C650302	3-4	Dome	3/32	1/8-1/4	100
C11363	4-1	Dome	1/8	1/32-1/16	100
34167-1	4-2	Dome	1/8	1/16-1/8	100
KP62378	4-2	Dome	1/8	1/16-1/8	250
C11285	C4-2	Countersunk	1/8	1/16-1/8	100
C11501	L4-2	Large Flange	1/8	1/16-1/8	100
C11286	4-3	Dome	1/8	1/8-3/16	100
KP66091	4-3	Dome	1/8	1/8-3/16	250
KP7895	L4-3	Large Flange	1/8	1/8-3/16	250
KP7895-1	L4-3	Large Flange	1/8	1/8-3/16	100
KP7900-1	C4-3	Countersunk	1/8	1/8-3/16	100
34168	4-4	Dome	1/8	3/16-1/4	100
C88147	4-4	Dome	1/8	3/16-1/4	250
34184	C4-4	Countersunk	1/8	3/16 - 1/4	100
KP70894	4-4	Countersunk	1/8	3/16-1/4	250
KP70662	L4-4	Large Flange	1/8	3/16-1/4	250
C11369	L4-4	Large Flange	1/8	3/16-1/4	100
C650312	4-5	Dome	1/8	1/4-3/16	100
KP7889	4-5	Dome	1/8	1/4-3/16	200
C11287	4-6	Dome	1/8	5/16-3/8	100
C39848	4-6	Dome	1/8	5/16-3/8	250
KP7896-1	L4-6	Large Flange	1/8	5/16-3/8	100
34169	4-8	Dome	1/8	3/8-1/2	100
KP70897	4-8	Dome	1/8	3/8-1/2	250
C11329	5-2	Dome	5/32	1/16-1/8	100
C650332	5-3	Dome	5/32	1/8-3/16	100
C11339	5-4	Dome	5/32	3/16-1/4	100

Part No.	Industry No.	Head Style	Rivet Dia. (in.)	Grip Range (in.)	Unit
KP66091	5-4	Dome	5/32	3/16-1/4	250
C11303	5-6	Dome	5/32	1/4-3/8	100
KP66094	5-6	Dome	5/32	1/4-3/8	250
C9140	5-8	Dome	5/32	3/8-1/2	100
C16134	6-2	Dome	3/16	1/16-1/8	100
KP66097	6-2	Dome	3/16	1/16-1/8	250
C11269	6-4	Dome	3/16	1/8-1/4	100
C39839	6-4	Dome	3/16	1/8-1/4	250
KP83104	L6-4	Large Flange	3/16	1/8-1/4	250
KP83104-1	L6-4	Large Flange	3/16	1/8-1/4	100
KP7902-1	C6-4	Countersunk	3/16	1/8-1/4	100
C11353	6-6	Dome	3/16	1/4-3/8	100
KP66099	6-6	Dome	3/16	1/4 - 3/8	250
34142	L6-6	Large Flange	3/16	1/4-3/8	100
C39850	L6-6	Large Flange	3/16	1/4-3/8	250
34142-X	L6-6	Large Flange	3/16	1/4-3/8	1000
C11352	6-8	Dome	3/16	3/8-1/2	100
KP66103	6-8	Dome	3/16	3/8-1/2	250
34143	L6-8	Large Flange	3/16	3/8-1/2	100
C39851	L6-8	Large Flange	3/16	3/8-1/2	250
C11462	6-10	Dome	3/16	1/2-5/8	100
KP66109	6-10	Dome	3/16	1/2-5/8	250
KP65112	L6-10	Large Flange	3/16	1/2-5/8	250
34144	L6-10	Large Flange	3/16	1/2-5/8	100
KP70614	6-12	Dome	3/16	5/8-3/4	250
KP70614-1	6-12	Dome	3/16	5/8-3/4	100
34144-1	L6-12	Large Flange	3/16	5/8-3/4	100
203434	L6-14	Large Flange	3/16	3/4-7/8	500
KP7892	6-16	Dome	3/16	3/4-1	250
KP7892-1	6-16	Dome	3/16	3/4-1	100
C88110	8-4	Dome	1/4	1/16-1/4	50
34215	8-6	Dome	1/4	1/4-3/8	100
34216	8-8	Dome	1/4	3/8-1/2	100
34216-1	8-10	Dome	1/4	1/2-5/8	100
34217	8-12	Dome	1/4	1/4-3/4	100

Open-End Blind Rivets
Aluminum Rivet/Aluminum Mandrel

Part No.	Industry No.	Head Style	Rivet Dia. (in.)	Grip Range (in.)	Unit
C659180	3-2	Dome	3/32	.020-1/8	100
34165	3-4	Dome	3/32	1/8-1/4	100
C39852	3-4	Dome	3/32	1/8-1/4	250
34170	4-1	Dome	1/8	1/32-3/16	100
KP66079	4-2	Dome	1/8	1/16-1/8	250
34171	4-2	Dome	1/8	1/8-1/2	100
34171-1*	4-2 WHT	Dome	1/8	1/16-1/8	100
34171-2*	4-2 BLK	Dome	1/8	1/16-1/8	100
34135	C4-2	Countersunk	1/8	1/16-1/8	100
KP70896	L4-2	Large Flange	1/8	1/16-1/8	250
34107	L4-2	Large Flange	1/8	1/16-1/8	100
KP7950	4-3	Dome	1/8	1/8-3/16	50
34172	4-3	Dome	1/8	1/8-3/16	100
KP66092	4-3	Dome	1/8	1/8-3/16	250
34172-X	4-3	Dome	1/8	1/8-3/16	500
KP7855	L4-3	Large Flange	1/8	1/8-3/16	250
KP7855-1	L4-3	Large Flange	1/8	1/8-3/16	100
KP7859	C4-3	Countersunk	1/8	1/8-3/16	250
34173	4-4	Dome	1/8	3/16-1/4	100
C39853	4-4	Dome	1/8	3/16-1/4	250
34173-X	4-4	Dome	1/8	3/16-1/4	500
34173-1*	4-4 WHT	Dome	1/8	3/16-1/4	100
34173-2*	4-4 BLK	Dome	1/8	3/16-1/4	100
34136	C4-4	Countersunk	1/8	3/16-1/4	100
KP70905	C4-4	Countersunk	1/8	3/16-1/4	250
34108	L4-4	Large Flange	1/8	3/16-1/4	100
KP70903	L4-4	Lage Flange	1/8	3/16-1/4	250
34174	4-5	Dome	1/8	1/4-5/16	100
34174-B	4-5	Dome	1/8	1/4-5/16	500
34174-1	4-6	Dome	1/8	5/16-3/8	100

Part No.	Industry No.	Head Style	Rivet Dia. (in.)	Grip Range (in.)	Unit
C39854	4-6	Dome	1/8	5/16-3/8	250
34174-1X	4-6	Dome	1/8	5/16-3/8	500
KP7856	L4-6	Large Flange	1/8	1/4-3/8	250
KP7856-1	L4-6	Large Flange	1/8	1/4-3/8	100
KP7859	C4-6	Countersunk	1/8	1/4-3/8	250
34174-X	4-8	Dome	1/8	3/8-1/2	100
34174-XX	4-8	Dome	1/8	3/8-1/2	500
KP7857	L4-8	Large Flange	1/8	3/8-1/2	250
KP7857-1	L4-8	Large Flange	1/8	3/8-1/2	100
34180	4-10	Dome	1/8	1/2-5/8	100
34180-X	4-10	Dome	1/8	1/2-5/8	500
KP66089	5-2	Dome	5/32	1/16-1/8	250
34149	5-2	Dome	5/32	1/16-1/8	100
34149-1	5-3	Dome	5/32	1/8-3/16	100
KP66092	5-4	Dome	5/32	3/16-1/4	250
34150	5-4	Dome	5/32	3/16-1/4	100
KP7861	C5-4	Countersunk	5/32	3/16-1/4	250
34151	5-6	Dome	5/32	1/4-3/8	100
KP66095	5-6	Dome	5/32	1/4-3/8	250
KP70612	5-8	Dome	5/32	3/8-1/2	250
C9141	5-8	Dome	5/32	3/8-1/2	100
34119	6-2	Dome	3/16	1/16-1/8	100
34119-X	6-2	Dome	3/16	1/16-1/8	250
34120	6-4	Dome	3/16	1/8-1/4	100
C39855	6-4	Dome	3/16	1/8-1/4	250
34120-X	6-4	Dome	3/16	1/8-1/4	1000
34110	L6-4	Large Flange	3/16	1/8-1/4	100
KP63105	L6-4	Large Flange	3/16	1/8-1/4	250
KP7862	C6-4	Countersunk	3/16	1/8-1/4	250
C652120	C6-4	Countersunk	3/16	1/8-1/4	100
KP60076	6-6	Dome	3/16	1/4-3/8	250
34121	6-6	Dome	3/16	1/4-3/8	100
34121-X	6-6	Dome	3/16	1/4-3/8	1000
34126	L6-6	Large Flange	3/16	1/4-3/8	100
C39856	L6-6	Large Flange	3/16	1/4-3/8	250
34122	6-8	Dome	3/16	3/8-1/2	100
KP66104	6-8	Dome	3/16	3/8-1/2	250
34122-X	6-8	Dome	3/16	3/8-1/2	1000
34127	L6-8	Large Flange	3/16	3/8-1/2	100
KP65107	L6-8	Large Flange	3/16	3/8-1/2	250
34123	6-10	Dome	3/16	1/2-5/8	100
34123-X	6-10	Dome	3/16	1/2-5/8	250
KP70613	L6-12	Large Flange	3/16	1/2-5/8	250
34138	L6-10	Large Flange	3/16	1/2-5/8	100
34124	6-12	Dome	3/16	5/8-3/4	100
KP70615	6-12	Dome	3/16	5/8-3/4	250
KP7858	L6-12	Large Flange	3/16	5/8-3/4	250
34129	L6-12	Large Flange	3/16	5/8-3/4	100
KP7851	6-14	Dome	3/16	3/4-7/8	250
KP7852	6-16	Dome	3/16	3/4-1	250
C88114	8-4	Dome	1/4	1/16-1/4	50
C29135	8-6	Dome	1/4	1/4-3/8	50
C88116	8-8	Dome	1/4	3/8-1/2	50
C650346	8-10	Dome	1/4	1/2-5/8	50
C88117	8-12	Dome	1/4	1/2-3/4	50
C650150	8-14	Dome	1/4	3/4-7/8	50
C650152	8-16	Dome	1/4	7/8-1	50

Open-End Blind Rivets
Stainless Steel Rivet/
Stainless Steel Mandrel

Part No.	Industry No.	Head Style	Rivet Dia. (in.)	Grip Range (in.)	Unit
34125	4-1	Dome	1/8	1/32-1/16	100
34130	4-2	Dome	1/8	1/16-1/8	100
KP70596	4-2	Dome	1/8	1/16-1/8	250
KP7918	L4-2	Large Flange	1/8	1/16-1/8	250
KP7918-1	L4-2	Large Flange	1/8	1/16-1/8	100

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Industry No.	Head Style	Rivet Dia. (in.)	Grip Range (in.)	Unit
[illegible]	C4-2	Countersunk	1/8	1/16-1/8	250
34130-1	4-3	Dome	1/8	1/8-3/16	100
[illegible]	4-3	Dome	1/8	1/8-3/16	250
KP7919	L4-3	Large Flange	1/8	1/8-3/16	250
KP7919-1	L4-3	Large Flange	1/8	1/8-3/16	100
34130-1X	4-3	Dome	1/8	1/8-3/16	500
34139-2	4-4	Dome	1/8	3/16-1/4	100
[illegible]	4-4	Dome	1/8	3/16-1/4	250
34130-2X	4-4	Dome	1/8	3/16-1/4	500
[illegible]	L4-4	Large Flange	1/8	3/16-1/4	250
[illegible]	L4-4	Large Flange	1/8	3/16-1/4	100
KP7897	4-5	Dome	1/8	1/4-5/16	250
KP7897-1	4-5	Dome	1/8	1/4-5/16	100
34130-4	4-6	Dome	1/8	5/16-3/8	100
[illegible]	4-6	Dome	1/8	5/16-3/8	250
34139-5	4-8	Dome	1/8	3/8-1/2	100
KP7908	4-8	Dome	1/8	3/8-1/2	250
[illegible]	5-2	Dome	5/32	1/16-1/8	100
[illegible]	5-3	Dome	5/32	1/8-3/16	100
[illegible]	5-4	Dome	5/32	3/16-1/4	100
KP7905	5-6	Dome	5/32	1/4-3/8	250
[illegible]	5-6	Dome	5/32	1/4-3/8	100
KP7907	5-8	Dome	5/32	3/8-1/2	250
[illegible]	5-8	Dome	5/32	3/8-1/2	100
C650718	6-2	Dome	3/16	1/16-1/8	100
KP7908	6-2	Dome	3/16	1/16-1/8	250
C650720	6-3	Dome	3/16	1/8-3/16	100
34131	6-4	Dome	3/16	1/8-1/4	100
KP82099	6-4	Dome	3/16	1/8-1/4	250
KP82102	L6-4	Large Flange	3/16	1/4-1/4	250
[illegible]	L6-4	Large Flange	3/16	1/8-1/4	100
34131-1	6-6	Dome	3/16	1/4-3/8	100
[illegible]	6-6	Dome	3/16	1/4-1/4	250
[illegible]	L6-6	Large Flange	3/16	1/4-3/8	250
[illegible]	L6-6	Large Flange	3/16	1/4-3/8	100
34131-2	6-8	Dome	3/16	3/8-1/2	100
[illegible]	6-8	Dome	3/16	3/8-1/2	250
[illegible]	L6-8	Large Flange	3/16	3/8-1/2	250
[illegible]	L6-8	Lage Flange	3/16	3/8-1/2	100
KP7910	6-10	Dome	3/16	1/2-5/8	250
[illegible]	6-10	Dome	3/16	1/2-5/8	100
[illegible]	L6-10	Large Flange	3/16	1/2-5/8	250
[illegible]	L6-10	Large Flange	3/16	1/2-5/8	100
KP7911	6-12	Dome	3/16	5/8-3/4	250
[illegible]	6-12	Dome	3/16	5/8-3/4	100
C650748	8-4	Dome	1/4	1/16-1/4	25
C650742	8-6	Dome	1/4	1/4-3/8	25
C650744	8-8	Dome	1/4	3/8-1/2	25
KP7916	8-10	Dome	1/4	1/2-5/8	100
KP7917	8-12	Dome	1/4	5/8-3/4	100

Open-End Blind Rivets Stainless Steel Rivet/Steel Mandrel

Part No.	Industry No.	Head Style	Rivet Dia. (in.)	Grip Range (in.)	Unit
34106	4-3	Dome	1/8	1/8-3/16	100
C22993	4-4	Dome	1/8	3/16-1/4	100

Open End Blind Rivets Copper Rivo/Steel Mandrel

Part No.	Industry No.	Head Style	Rivet Dia. (in.)	Grip Range (in.)	Unit
KP7927	4-2	Dome	1/8	1/16-1/8	100
KP7928	4-4	Dome	1/8	3/16-1/4	100

Open-End Blind Rivets Product Specifications

Industry (in.)	Rivet Dia. (in.)	Drill Size	Head Dia. (in.)
3-2	9/32	41	5/16
3-4	9/32	41	5/16
3-4	9/32	41	5/16
4-1	1/8	30	1/4
4-2	1/8	30	1/4
4-2WHT	1/8	30	1/4
4-2BLK	1/8	30	1/4
C4-2	1/8	30	.240
L4-2	1/8	30	5/16
4-3	1/8	30	1/4
4-4	1/8	30	1/4
4-4WHT	1/8	30	1/4
4-4BLK	1/8	30	1/4
C4-4	1/8	30	.240
L4-4	1/8	30	5/16
4-5	1/8	30	1/4
4-6	1/8	30	1/4
4-8	1/8	30	1/4
4-10	1/8	30	1/4
5-2	5/32	20	5/16
5-3	5/32	20	5/16
5-4	5/32	20	5/16
5-6	5/32	20	5/16
5-8	5/32	20	5/16
6-2	3/16	11	3/8
6-4	3/16	11	3/8
L6-4	3/16	11	3/8
C6-4	3/16	11	.355
L6-6	3/16	11	3/8
6-8	3/16	11	3/8
L6-8	3/16	11	3/8
6-10	3/16	11	3/8
L6-10	3/16	11	3/8
6-12	3/16	11	3/8
L6-12	3/16	11	3/8
8-4	1/4	F	1/2
8-6	1/4	F	1/2
8-8	1/4	F	1/2
8-10	1/4	F	1/2
8-12	1/4	F	1/2
8-14	1/4	F	1/2
8-16	1/4	F	1/2

Open End Multi-Grip Rivets

Open-End Blind Rivet Multi-Grip® Dome Head



- Avex® replacement

Part No.	Material Rivet/ Mandrel	Rivet Dia. (in.)	Grip Range (in.)	Length (in.)	Unit
34221	Alum./Steel	1/8	.039 - .189	0.328	100
34221-X	Alum./Steel	1/8	.039 - .189	0.328	2000
34222	Alum./Steel	1/8	.157 - .315	0.468	100
34222-X	Alum./Steel	1/8	.157 - .315	0.468	2000
34222-1	Alum./Steel	1/8	.251 - .437	0.609	100
34223	Alum./Steel	5/32	.047 - .252	0.415	100
34224	Alum./Steel	3/16	.063 - .252	0.440	100
34224-X	Alum./Steel	3/16	.063 - .252	0.440	2000
34225	Alum./Steel	3/16	.187 - .375	0.620	100

Part No.	Material Rivet/ Mandrel	Rivet Dia. (in.)	Grip Range (in.)	Length (in.)	Unit
34225-X	Alum./Steel	3/16	.187 - .375	0.620	2000
34250	Alum./Steel	3/16	.187 - .437	.730	250
34225-1	Alum./Steel	3/16	.252 - .504	0.731	100
34525-2	Alum./Steel	1/4	.080 - .350	0.615	100
34225-3	Alum./Stnls.	3/16	.062 - .250	0.440	100
C635108	Alum./Stnls.	3/16	.500 - .781	1.125	100

Part No.	Material Rivet/ Mandrel	Rivet Dia. (in.)	Grip Range (in.)	Length (in.)	Unit
C637508	Steel/Steel	1/8	.047 - .156	0.437	100
KP75037	Steel/Steel	5/32	.056 - .196	.515	50
34226	Steel/Steel	3/16	.047 - .187	0.521	100
34227	Steel/Steel	3/16	.156 - .250	0.638	100

Open-End Blind Rivets Multi-Grip® Large Flange Head



- Avex® replacement

Part No.	Material Rivet/ Mandrel	Rivet Dia. (in.)	Grip Range (in.)	Length (in.)	Unit
34198-1	Alum./Steel	1/8	.039 - .189	0.328	100
34198-2	Alum./Steel	1/8	.157 - .315	0.468	100
34198-3	Alum./Steel	5/32	.126 - .312	0.500	100
34198-4	Alum./Steel	3/16	.063 - .252	0.440	100
34198-4X	Alum./Steel	3/16	.063 - .252	0.440	2000
34199	Alum./Steel	3/16	.252 - .504	0.731	100
34199-X	Alum./Steel	3/16	.252 - .504	0.731	2000
34199-1	Alum./Steel	3/16	.437 - .750	1.065	100
34199-1X	Alum./Steel	3/16	.437 - .750	1.065	2000

Part No.	Material Rivet/ Mandrel	Rivet Dia. (in.)	Grip Range (in.)	Length (in.)	Unit
34199-2	Alum./Stnls.	3/16	.063 - .252	0.620	100
34199-3	Alum./Stnls.	3/16	.252 - .504	0.731	100

Open End Blind Rivet Multi-Grip 120° Countersunk Head



- Aluminum with zinc-yellow coated steel mandrel

Part No.	Material	Dia.	Grip Range	Length	Unit
C86916	Alum/Steel	1/8	.074 - .250	3/16	100
C86917	Alum/Steel	5/32	.189 - .313	7/16	100
C86918	Alum/Steel	3/16	.125 - .313	15/32	100
C86919	Alum/Steel	3/16	.250 - .500	5/8	100

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Rivets

Open End Multi-Grip Brazier Head Rivet



Part No.	Material	Rivet Dia.	Grip Range	Unit
C655116	Alum/Steel	5/16	1/16 - 1/4	100
C655138	Alum/Steel	3/16	3/16 - 7/16	100

Open End Blind Rivet Bulbex® Style-Multi-Grip



- Forms a bulbed blind side tail that disperses clamp load and reduces rivet pull-out

Part No.	Material	Dia. (In.)	Grip Range	Length	Unit
BF80463	Alum/Alum	5/32	.040 - .118	0.62	50
BF80465	Alum/Alum	5/32	.040 - .295	0.84	50
BF80466	Alum/Alum	3/16	.040 - .157	0.72	50
BF80467	Alum/Alum	3/16	.137 - .354	0.93	50

Multi-Grip® Blind Rivet Cross Reference

Part No.	Pop Multi-Grip® Rivets	Avdel/Cherry Avex® Rivets	Stanley Creative Eng.
34221	AD41-4BS	1691-0410	BAS410-MG
34222	AD43-4SBS	1691-0414	BAS414-MG
34222-1	AD45-4TBS	1691-0416	—
34223	AD52-5BS	1691-0512	BAS512-MG
—	AD53-5SBS	1691-0514	BAS516-MG
34224	AD62-6BS	1691-0613	BAS613-MG
34225	AD63-6BS	1691-0619	BAS619-MG
34225-1	AD66-6BS	1691-0621	BAS621-MG
—	AD68-612BS	1691-0631	BAS631-MG
34225-2	AD82-8BS	—	—
34225-3	AD62-6SSBS	1663-0613	—

Part No.	Pop Multi-Grip® Rivets	Avdel/Cherry Avex® Rivets	Stanley Creative Eng.
34226	—	—	—
34227	—	—	—
34198-1	AD41-4BSLF	1692-0410	BLAS412-MG
34198-2	AD43-4SBSLF	1692-0414	—
—	AD52-5BSLF	—	BLAS512-MG
34198-3	AD53-5SBSLF	1692-0514	—
34198-4	AD62-6BSLF	1692-0613	BLAS613-MG
34199	AD66-6BSLF	1692-0621	BLAS621-MG
34197-2	AD62-6SSBSLF	1643-0613	—
34197-3	AD64-6SSBSLF	1643-0621	—
34197-1	AD68-612SSBSLF	1643-0631	—

Open End Blind Rivet TLR™ Style-Multi-Grip



- Available with neoprene washer for weather resistant fastening
- A blind, structural, bulbed rivet for joining soft or brittle materials
- Requires special TLR nosepiece

Part No.	Material	Dia. (In.)	Grip Range	Length	Unit
BF81909	Alum/Alum	5/16	.020 - .250	0.855	50
*BF81911	Alum/Alum	5/16	.020 - .250	0.855	50
BF81910	Alum/Alum	1/4	.187-.375	1.096	50
*BF81912	Alum/Alum	1/4	.187-.375	1.096	50

* Neoprene washer

TLR Nosepiece

Part No.	Fits Rivet Dia. (In.)	Unit
BF75615	5/16	1
BF75616	1/4	1

Bulb-Tite Rivets

Open End Rivets With Neoprene Washer



- Rivet expands to bulb shape on blind side to distribute the load over a larger area
- Ideal for plastics, fiberglass, and wood applications
- EPDM washer under the head provides a weather resistant seal

Part No.	Material	Dia. (In.)	Grip Range	Length	Unit
35999	Alum/Alum	5/16	.050 - .500	13/16	250
34257	Alum/Alum	1/4	.125 - .375	1 1/4	250
249054	Alum/Alum	1/4	.250 - .500	1 1/4	250

Bulb-Tite Rivet Cross Reference

Part No.	Cross-Reference
35999	RV6607-0608W
34257	RV66X253-86W
249054	RV6606-8-8W

Open End Rivets With Neoprene Washer



- Rivet expands to bulb shape on blind side to distribute the load over a larger area
- Ideal for plastics, fiberglass, and wood applications
- EPDM washer under the head provides a weather resistant seal

Part No.	Material	Dia. (In.)	Grip Range	Length	Unit
35999	Alum/Alum	5/16	.050 - .500	13/16	250
34257	Alum/Alum	1/4	.125 - .375	1 1/4	250
249054	Alum/Alum	1/4	.250 - .500	1 1/4	250

Bulb-Tite Rivet Cross Reference

Part No.	Cross Reference
35999	RV6607-0608W
34257	RV66X253-86W
249054	RV6606-8-8W

Closed End Blind Rivets

Closed-End Blind Rivets Dome Head



Part No.	Material Rivet/ Mandrel	Industry No.	Rivet Dia. (In.)	Grip Range (In.)	Unit
BF7932	Alum/Steel	4-1	1/8	.032-.062	50
34152	Alum./Steel	4-2	1/8	.063-.125	100
C655504	Alum/Steel	4-3	1/8	.125-.187	200
34153	Alum./Steel	4-4	1/8	.188-.250	100
34154	Alum./Steel	4-6	1/8	.313-.375	100
BF86335	Alum/Steel	5-5	1/4	.188-.312	50
BF86336	Alum/Steel	6-2	5/16	.063-.125	50
2121-411-5000	Alum/Steel	6-2	5/16	.063-.125	5000
2121-411	Alum/Steel	6-2	5/16	.063-.125	500
34207	Alum./Steel	6-4	5/16	.126-.250	100
34208	Alum./Steel	6-6	5/16	.251-.375	100
34208-5000	Alum/Steel	6-6	5/16	.251-.375	5000
34209	Alum./Steel	6-8	5/16	.376-.500	100
34210	Alum./Steel	8-4	1/4	.126-.250	100
34211	Alum./Steel	8-6	1/4	.251-.375	100

Part No.	Material Rivet/ Mandrel	Industry No.	Rivet Dia. (In.)	Grip Range (In.)	Unit
BF7934	Alum/Alum	4-2	1/8	.063-.125	50
C6375934	Alum./Alum.	6-2	5/16	.063-.125	100
BF7939	Alum/Alum	6-4	5/16	.126-.250	50
C6375936	Alum./Alum.	6-6	3/16	.251-.375	100
BF7941	Alum/Alum	6-8	3/16	.376-.500	50
C24676	Alum/Alum	8-10	1/4	.500-.625	100

Part No.	Material Rivet/ Mandrel	Industry No.	Rivet Dia. (In.)	Grip Range (In.)	Unit
34212	Alum./Stnls.	6-4	5/16	.126-.250	100
34213	Alum./Stnls.	6-6	3/16	.251-.375	100

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Split Rivets

Large Secondary Head Rivets (Split Rivets)



- Aluminum rivet and aluminum mandrel

Part No.	Head Type	Rivet Dia. (In.)	Grip Range (In.)	Pop Part No.	Unit
34230	Dome	1/8	.080-.375	ADS46ABS	100
34231	Lg. Flange	5/32	0-.250	ADS64ABSL	100

Ultra-Grip

Structural Rivets Ultra-Grip® Dome Head Blind Rivets



- Monobolt® replacement

Part No.	Material Rivet/ Mandrel	Rivet Dia. (In.)	Grip Range (In.)	Lgth. Under Head (In.)	Unit
34202	Steel/Steel	3/16	.062 - .270	0.675	25
34202-B	Steel/Steel	3/16	.062 - .270	0.675	250
34203	Steel/Steel	3/16	.062 - .437	0.950	25
34203-B	Steel/Steel	3/16	.062 - .437	0.950	250
34200	Steel/Steel	1/4	.080 - .375	0.970	25
34200-B	Steel/Steel	1/4	.080 - 375	0.970	250
34200-1-2000	Steel/Steel	1/4	.080 - .625	1.405	2000
34200-1	Steel/Steel	1/4	.080 - .625	1.405	25
34200-B-2000	Steel/Steel	1/4	.080 - .375	0.970	2000
34200-1B	Steel/Steel	1/4	.080 - .625	1.405	250

Part No.	Material Rivet/ Mandrel	Rivet Dia. (In.)	Grip Range (In.)	Lgth. Under Head (In.)	Unit
34204	Alum./Alum.	3/16	.062 - .270	0.675	25
34204-B	Alum./Alum.	3/16	.062 - .270	0.675	250
34205	Alum./Alum.	3/16	.062 - .437	0.950	25
34205-B	Alum./Alum.	3/16	.062 - .437	0.950	250
+CD553620	Alum./Alum.	1/4	.350 - .625	-	50
34201	Alum./Alum.	1/4	.080 - .375	0.970	25
34201-B	Alum./Alum.	1/4	.080 - .375	0.970	250
34206	Alum./Alum.	1/4	.080 - .625	1.405	25
34206-B	Alum./Alum.	1/4	.080 - .625	1.405	250

Part No.	Material Rivet/ Mandrel	Rivet Dia. (In.)	Grip Range (In.)	Lgth. Under Head (In.)	Unit
34188	Stnls./Stnls.	3/16	.062 - .270	0.675	25
34188-B	Stnls./Stnls.	3/16	.062 - .270	0.675	250
34201-S	Stnls./Stnls.	1/4	.350 - .375	0.970	25
34201-SB	Stnls./Stnls.	1/4	.350 - .375	0.970	250
291040	Steel/Steel	1/4	.125 - .475	0.685	500

+Canada only

Typical Installed Values in Nominal Grip-Pounds

Material	Dia. (In.)	Shear (psi)	Tensile (psi)	Pin Push-Out
Steel	3/16	1400	1100	150
Steel	1/4	2500	2150	300
Aluminum	3/16	700	500	50
Aluminum	1/4	1300	890	100
Stainless	3/16	1400	1000	125
Stainless	1/4	2500	2000	250

Material and Finish Specifications

	Finish Specification		Material Specification	
	Body	Mandrel	Body	Mandrel
Steel	Zinc Plated with Clear Chromate Finish	Gold Finish	AISI 1006 (Steel)	AISI 10B22 (Steel)
Aluminum	Clear Chromate	Gold Chromate	5056 (Alum.)	7075 (Alum.)
Stainless	No Plate	No Plate	AISI 302 (Stnls.)	AISI 305 (Stnls.)

Ultra-Grip Countersunk Head Structural Rivets



- Monobolt replacement

Part No.	Material	Dia. (In.)	Grip Range	Length	Unit
291030	Steel/Steel	1/4	.125 - .475	.685	500

Ultra-Grip® Blind Rivet Cross Reference

Part No.	Pop Ultra-Grip®	Cherry Monobolt	Avdel Monobolt®	Huck Magna-Lok®
34202	SD6270UG		2771-0613	MGLP-R6-4
34203	SD6437UGX		2771-0617	MGLP-R6-E
34200	SD8375UG		2771-0317	MGLP-R8-6
34200-1	SD8625UGX		2771-0824	MGLP-R8-E
34204	AD6270UG		2774-0613	MGLP-B6-4
34205	AD6437UGX		2774-0617	MGLP-B6-E
34201	AD8375UG		2774-0817	MGLP-B8-6
34208	AD8625UGX		2774-0824	MGLP-B8-E
34188	SSD6270UG		2711-0613	MGLP-U6-4
34201-S	SSD8375UG		2711-0817	MGLP-U8-6

Structural Rivets Multi-Grip



- High Tensile and Shear Strength
- Extended grip range
- Stem breaks flush with rivet head for a smooth, neat finish.

Part No.	Material	Rivet Dia.	Grip Range	Head Dia.	Unit
C656302	Steel/Steel	3/16	.064 - .437	3/8	100
C656306	Alum/Alum	3/16	.064 - .437	3/8	100
C656308	Alum/Alum	1/4	.080 - .625	1/2	100
C656310	Steel/Steel	1/4	.080 - .625	1/2	25

Strength Ratings

Part No.	Shear Strength	Tensile Strength
C656302	1450	1150
C656304	2650	2350
C656306	675	500
C656308	1350	950
C656310	2650	2350

Klamp-Tite Rivet Canada Only



- Fills hole tightly
- High clamp-up
- Water tight capability
- Fully cored
- Structural-self plugging
- Head Styles: protruding
- Aluminum/aluminum

Part No.	Rivet Dia.	Grip Range	Drill Size	D Rivet Dia.	Unit
+CD553288	.200	.058 - .250	#5	.200	50
+CD553289	.200	.187 - .375	#5	.200	50
+CD553290	.200	.312 - .437	#5	.200	50
+CD553291	.245	.060 - .250	F	.245	25
+CD553292	.245	.187 - .375	F	.245	25

+Canada only

Huck Fasteners

Magna-Lok® Rivets Button Head



- Superior strength
- Use for trailer repair
- Weather tight seal

Continued on next page

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page

Part No.	Huck Cross Reference	Material	Dia. (In.)	Grip Range	Unit
C23939	MGLP-R6-E	Steel/Steel	3/16	.062 - .437	50
C23938	MGLP-R6-4	Steel/Steel	3/16	.062 - .270	50
C23938-4000	MGLP-R6-4	Steel/Steel	3/16	.062 - .270	4000
291053	MGLP-R6-7	Steel/Steel	3/16	.214 - .437	100
C23940	MGLP-R8-6	Steel/Steel	1/4	.080 - .375	50
C23940-2000	MGLP-R8-6	Steel/Steel	1/4	.080 - .375	2000
291055	MGLP-R8-10	Steel/Steel	1/4	.350 - .625	100
291055-1000	MGLP-R8-10	Steel/Steel	1/4	.350 - .625	1000
C23941	MGLP-R8-E	Steel/Steel	1/4	.080 - .625	50

Part No.	Huck Cross Reference	Material	Dia. (In.)	Grip Range	Unit
C23934	MGLP-B6-4	Alum/Alum	3/16	.062 - .270	50
C23935	MGLP-B6-E	Alum/Alum	3/16	.062 - .437	50
C23936	MGLP-B8-6	Alum/Alum	1/4	.080 - .375	50
C23936-2000	MGLP-B8-6	Alum/Alum	1/4	.080 - .375	2000
C23937	MGLP-B8-E	Alum/Alum	1/4	.080 - .375	50

Magna-Lok® Rivets

Truss Head



Part No.	Huck Cross Reference	Material	Dia. (In.)	Grip Range	Unit
C23943	MGLT-R6-E	Steel/Steel	3/16	.062-.437	50
C23944	MGLT-R8-6	Steel/Steel	1/4	.080-.375	50

Part No.	Huck Cross Reference	Material	Dia. (In.)	Grip Range	Unit
C23942	MGLT-B6-4	Alum/Alum	3/16	.062-.270	50

Magna-Lok® Rivets

Countersunk Head



Part No.	Huck Cross Reference	Material	Dia. (In.)	Grip Range	Unit
291057	MGL100-R6-6	Steel/Steel	3/16	.125 - .331	100

Magna-Grip® Rivets

Button Head



- Superior strength
- Use for trailer repair
- Weather tight seal

Part No.	Huck Cross Reference	Material	Dia. (In.)	Grip Range	Unit
C23951	MGPB-R6-10G	Steel/Steel	3/16	.062 - .625	50
C23951-3000	MGPB-R6-10G	Steel/Steel	3/16	.062 - .625	3000
C23952	MGPB-R6-20G	Steel/Steel	3/16	.312 -1.250	50
C23953	MGPB-R8-10G	Steel/Steel	1/4	.062 - .625	50
C23953-1500	MGPB-R8-10G	Steel/Steel	1/4	.062 - .625	1500
C23954	MGPB-R8-20G	Steel/Steel	1/4	.312 -1.250	50
C23954-1000	MGPB-R8-20G	Steel/Steel	1/4	.312 -1.25	1000

Part No.	Huck Cross Reference	Material	Dia. (In.)	Grip Range	Unit
C23955	MGPB-E8-10G	Alum/Alum	1/4	.062 - .625	50

Magna-Grip® Rivets

Truss Head



Part No.	Huck Cross Reference	Material	Dia. (In.)	Grip Range	Unit
KP84317	MGPT-R6-20G	Steel/Steel	3/16	.062 - .625	100
C23957	MGPT-R6-10G	Steel/Steel	1/4	.062 - .625	50
C23957-1500	MGPT-R8-20G	Steel/Steel	1/4	.062 - .625	1500
C23958	MGPT-R8-20G	Steel/Steel	1/4	.312 -1.250	50
C23958-1000	MGPT-R8-20G	Steel/Steel	1/4	.312 -1.25	1000

Magna-Grip® Rivets

Rivet Head



Part No.	Huck Cross Reference	Material	Dia. (In.)	Grip Range	Unit
291058	MGP98T-R6-10G	Steel/Steel	3/16	.062 - .625	100
291058-1000	MGP98T-R6-10G	Steel/Steel	3/16	.062 - .625	2250
KP84318	MGP98T-R6-20G	Steel/Steel	3/16	.312 - 1.25	100

Part No.	Huck Cross Reference	Material	Dia. (In.)	Grip Range	Unit
KP84319	MGP98T-E6-10	Alum/Alum	3/16	.062 - .625	100

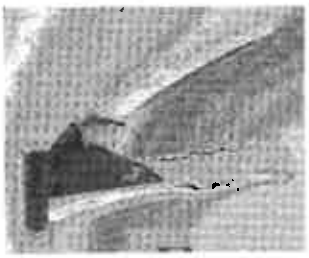
Magna-Grip® Collars



Part No.	Huck Cross Reference	Material	Dia. (In.)	Unit
C23947	MGC-R6U	Steel	3/16	50
C23947-1000	MGC-R6U	Steel	3/16	1000
C23945	MGC-F6	Alum	3/16	50
8941-53-	MGCW-R6U	Steel	3/16	100
34251	MGCW-F6	Alum	3/16	100
C23948	MGC-R8U	Steel	1/4	50
C23948-1000	MGC-R8U	Steel	1/4	1000
C23946	MGC-F8	Alum	1/4	50
158265	MGCW-R8U	Steel	1/4	100

Installation Tools

Rivet Installation Tool POP® PowerLink 30



- Supplied complete with wrench and four nosepieces to set 3/32", 1/8" and 3/16" diameter blind rivets

Part No.	Description	Unit
PL30	Rivet Installation Tool	1

Replacement Nosepieces for Rivet Tool Part No. PL30

- Fits open or closed-end

Part No.	Rivet Size (In.)	Unit
PL30-015	3/32"	1
PL30-016	1/8"	1
PL30-017	5/32"	1
PL30-018	3/16"	1

Rivet Installation Tool



- Supplied complete with (4) nosepieces to set 3/32", 1/8", 5/32" and 3/16" diameter blind rivets

Part No.	Description	Unit
19291	Rivet Installation Tool	1

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Rivet Installation Tool



Supplied complete with (2) nosepieces to set 3/16" and 1/4" diameter blind rivets

Part No.	Description	Unit
19293	Rivet Installation Tool	1

Replacement Nosepieces for Tool Part No. 19293

Part No.	Type of Rivet	Rivet Size	Unit
19293-E	Open-End	1/4	1
19293-D	Closed-End	1/4	1
19293-A	Ultra-Grip®	3/16	1
19293-B	Ultra-Grip®	1/4	1

Rivet Tool Jaw Repair Kit

- Repair kit for rivet tool part no. 19293

Part No.	Description	Unit
19293-K	Rivet Tool Jaw Repair Kit	1

Combination Rivet Tool For Standard And Structural Rivets



- Sets all Avex style rivets, standard rivets, as well as 3/16" diameter structural rivets
- High strength steel construction provides durability
- Designed with longer lever handles to allow 3/16" diameters rivets to be installed with ease
- Tool supplied with four nosepieces, 1/8", 5/13", 3/16", and 3/16" structural

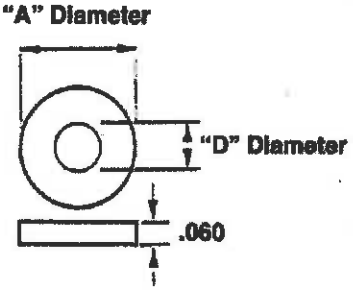
Part No.	Description	Unit
KP74958	Rivet Tool	1

Replacement Parts for KP74958

Part No.	Description	Unit
KP75010	3/16" Steel Nosepiece	1
KP77346	Repair Kit	1

Back Up Washers

Back-Up Washers



Part No.	Rivet Dia. (In.)	Material	"A" Diameter	"D" Diameter	Unit
34103	1/8	Steel	.375	.129	250
C6149B4	5/32	Steel	.438	.161	100
34104	3/16	Steel	.375	.192	250
C6149B2	3/16	Steel	.500	.192	100
KP7830	1/4	Steel	.500	.260	50
34109	1/8	Aluminum	.375	.129	250
KP53774	5/32	Aluminum	.432	.160	50
34101	3/16	Aluminum	.375	.192	250
KP7983	1/4	Aluminum	.500	.260	50

Solid Aluminum Rivets

Solid Aluminum Rivets



- Full Brazier Head style for large bearing surface
- Available in 2117 T4(Hard) and 1100 F(Soft) aluminum
- 2117 T4 (hard) aluminum rivets are identified by a dimple on the head of the rivet

2117 T4 Part No.	1100 F Part No.	Dia. (In.)	Length (In.)	Unit
324934	324972	3/16	1/4	500
C31658	31986-5/16	3/16	5/16	250
CD558900		3/16	3/8	100
C31659	31986-3/8	3/16	3/8	250
	325013	3/16	3/8	500
	31986-3/8-25	3/16	3/8	25 LB
C31660	31986-7/16	3/16	7/16	250
CD558898		3/16	1/2	100
C31661	31986-1/2	3/16	1/2	250
289081		3/16	1/2	500
C31661-25	31986-1/2-25	3/16	1/2	25 LB
C33212	31986-5/8	3/16	5/8	250
	325012	3/16	5/8	500
C33212-25		3/16	5/8	25 LB
C33213	C33215	3/16	3/4	250
324992		3/16	3/4	500
324979		1/4	3/8	500
324979	KP956	1/4	3/8	500
C31662	C31671	1/4	7/16	100
C31663		1/4	1/2	100
	31987-1/2	1/4	1/2	250
C31663-25	31987-1/2-25	1/4	1/2	25 LB
324947		1/4	5/8	500
C31664	C31672	1/4	9/16	100
C31665		1/4	5/8	100
	31987-5/8	1/4	5/8	250
325015		1/4	5/8	500
C31665-25	31987-5/8-25	1/4	5/8	25 LB
C31666		1/4	3/4	100
	31987-3/4	1/4	3/4	250
C31666-25	31987-3/4-25	1/4	3/4	25 LB
324985		1/4	1/8	500
C33216	C33217	1/4	1	100
289816		5/16	3/4	500
34263		5/16	1	250

+Canada only, round head

Modified Brazier Head Style

Solid Aluminum Rivets



- Modified brazier head is alow profile design
- Available in 2117 T4 (hard) and 1100°F (soft) aluminum

2117 T4 Part No.	1100 F Part No.	Dia. (In.)	Length (In.)	Unit
34262-7/16		5/16	7/16	500
34262-5/8		5/16	5/8	500
324991	34265-3/8	1/4	3/8	500
	34265-1/2	1/4	1/2	500
	34265-1/2-25	1/4	1/2	25 LB
	36965-5/8	1/4	5/8	500
34268-3/4	311463	1/4	3/4	500
34261-5/8		5/16	5/8	500
34261-3/4		5/16	3/4	500

Universal Head Style

Solid Aluminum Rivets



- Universal head is a low profile design with a flat crown
- Available in 2117 (hard) aluminum

2117 T4 Part No.	Dia. (In.)	Length (In.)	Unit
34266-5/16	5/16	5/16	500
34266-7/16	5/16	7/16	500
34266-1/2	5/16	1/2	500
34266-5/8	5/16	5/8	500
34267-3/8	1/4	3/8	500
34267-7/16	1/4	7/16	500
34267-1/2	1/4	1/2	500
34267-5/8	1/4	5/8	500
34262-1/2	5/16	1/2	500
324947	5/16	5/8	500

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Sign Attaching Rivets

Sign Attaching Rivets – Two Piece



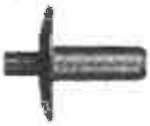
- Large flange heads
- 600 lb. Tensile strength
- Aluminum with steel mandrel.

Part No.	Hole Size	Grip Range	Head Size	Unit
C81982	¼	⅛-1 ⅛	⅝	50
C81983	¼	1 ⅛-1 ⅜	⅝	50
C81984	¼	1 ⅜-1 ⅝	⅝	50

Aluminum Drive Pin Rivets

Aluminum Drive Pin Rivets

Steel Drive Pin Type



Large Diameter Plywood Head

Part No.	Dia. (in.)	Length (in.)	Nom. Grip (in.)	Unit
C82817	5/16	15/32	5/16	250
C81295	5/16	11/16	½	50
C81296	5/16	¾	⅝	50
C81298	5/16	1⅛	1	50



Universal Button Head

Part No.	Dia. (in.)	Length (in.)	Nom. Grip (in.)	Unit
C15155	5/16	¼	⅛	100
31984-1/8	5/16	9/32	⅛	500
31984-3/16	5/16	11/32	5/16	500
31984-1/4	5/16	13/32	¼	500
31984-5/16	5/16	15/32	5/16	250
C15159	5/16	½	⅜	100
31984-3/8	5/16	17/32	⅜	500
31985-2‡	5/16	1 1/32	⅜	100
C15160*	¼	¼	⅛	100
31985-1/8	¼	9/32	⅛	500
31985-3/16	¼	11/32	5/16	500
31985-1/4	¼	13/32	¼	500
31985-5/16	¼	15/32	5/16	500
31985-3/8	¼	17/32	⅜	500

*5/16" Head Size



"Full Brazier"

Full Brazier Head

Part No.	Dia. (in.)	Length (in.)	Nom. Grip (in.)	Unit
31988-3/32	5/16	¼	9/32	500
31988-1/8	5/16	5/32	⅛	500
31988-3/16	5/16	11/32	5/16	500
31988-1/4	5/16	13/32	¼	500
31988-5/16	5/16	15/32	5/16	250
31988-3/8	5/16	17/32	⅜	500
31988-1/2	5/16	9/16	½	500
NP73432	¼	17/32	5/16	500
NP73440	¼	5/32	5/16	500
NP73441	¼	9/32	⅜	500
NP73442	¼	9/32	7/16	500
31982-1/2	¼	21/32	½	500

NOTE: Grip Range = minimum to maximum material thickness that can be fastened.
‡ Supplied with stainless steel pin, can also be used as a masonry fastener.

Panel-Lok

Panel-Lok Fasteners

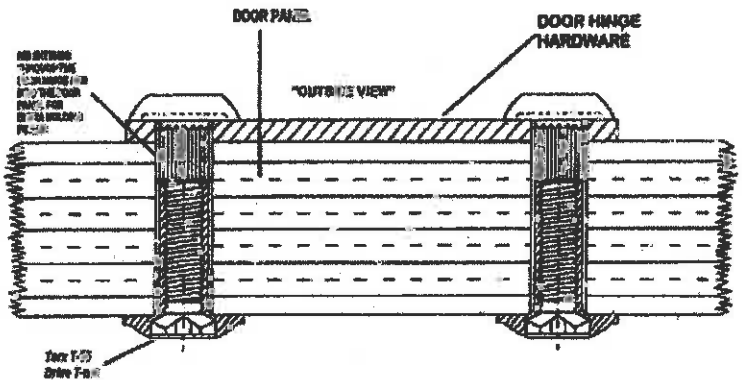


- Excellent for (FRP) and Swingdoor applications
- Durable-life cycle tests show panel-lok outlasts other door hardware
- Large diameter head and radius fillet allows for high clamp load
- Design is tamper resistant
- Use a Torx 55 bit for installation
- Hole Size: .397 (letter X drill bit)
- Cadmium plated with chromium finish.

Part No.	Description	Dia.	Length (in.)	Unit
*[illegible]	Bolt	5/16-18	⅜	25
*[illegible]	Bolt	5/16-18	1	25
*[illegible]	Bolt	5/16-18	1¼	25
C82102	Bolt	5/16-18	⅜	10
C29713	Bolt	5/16-18	1	10
C29714	Bolt	5/16-18	1¼	10
C82103	Nut	5/16-18	½	10
C29715	Nut	5/16-18	⅜	10

* Encapsulated head

ABM Panelok™ System



ABM Panelok™

- ABM Panelok System offers a reliable solution to broken trailer swing door hardware fasteners
- Highly durable - proven to outlast other door hardware fasteners in door simulator life cycle testing
- Rib-neck bolt design protrudes through hinge plate into door for added strength and grip
- Tamper resistant - exposed bolt head is smooth; install "T" nuts from inside trailer door using a TORX T-55 bit
- Uses letter size "x" drill bit for pilot hole during installation
- Made in U.S.A.

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Door Panel Rivet

Door Panel Rivet



- Replacement for carriage and elevator bolts on roll-up doors on trucks and delivery vans
- Two piece rivet sets with any standard rivet tool or power riveter
- Aluminum outer piece prevents rusting or bleeding on doors
- Steel inside piece provides a strong vibration-proof assembly

Part No.	Size	Grip Range (In.)	Door Size (In.)	Unit
XPC0336	¼ x 1	.769 - .858	⅜	100

Rivet Umbrella Plugs

Rivet Plugs



- "Umbrella" Plugs
- Anodized aluminum
- Plugs fit over head of rivet.

Part No.	Head Size	Use With Rivet Dia.	Unit
C659920	5/16	1/8	50
C659905	3/16	3/16	50

Double End Countersink Drill



- Use for 120 countersink for 1/8" countersink head rivets

Part No.	Unit
XPC0054	1

B7 Threaded Rod

B7 Threaded Rod Stock





- UNC (USS) or UNF (SAE)
- Meets ASTM A193-B7 specifications
- Medium carbon alloy steel
- Through-hardened
- 125,000 psi minimum tensile strength

UNC (USS) Part No.	Length (In.)	Dia. (In.)	TPI	Unit
36655	12	¼	20	5
36656	12	5/16	18	5
36657	12	⅜	16	5

UNC (USS) Part No.	Length (In.)	Dia. (In.)	TPI	Unit
36675	36	¼	20	1
36676	36	5/16	18	1
36677	36	⅜	16	1
36678	36	7/16	14	1
36679	36	½	13	1
36679-1	36	9/16	12	1
36680	36	⅝	11	1
36681	36	¾	10	1
36682	36	⅞	9	1
36683	36	1	8	1
36684†	36	1⅛	8	1
36686	36	1¼	7	1
36687†	36	1¼	8	1
36687	36	1¼	7	1
C660729	36	1½	6	1
C660730	36	1¾	5	1

UNC (USS) Part No.	Length (In.)	Dia. (In.)	TPI	Unit
36688	72	¼	20	1
36688-1	72	5/16	18	1
36689	72	⅜	16	1
36689-1	72	7/16	14	1
36690	72	½	13	1
36690-1	72	9/16	12	1
36691N	72	⅝	11	1
36692N	72	¾	10	1
36693	72	⅞	9	1
36694	72	1	8	1
36695†	72	1⅛	8	1
36698	72	1⅜	7	1
36696†	72	1¼	8	1
36699	72	1¾	7	1
36697†	72	1½	8	1
36700	72	1½	6	1

†8UN Thread Series

UNF (SAE) Part No.	Length (In.)	Dia. (In.)	TPI	Unit
36650	12	¼	28	5
36651	12	5/16	24	5
36652	12	⅜	24	5

UNF (SAE) Part No.	Length (In.)	Dia. (In.)	TPI	Unit
36915	36	¼	28	1
36916	36	5/16	24	1
36917	36	⅜	24	1
36918	36	7/16	20	1
36919	36	½	20	1
36919-1	36	9/16	18	1
36920	36	⅝	18	1
36921	36	¾	16	1
36922	36	⅞	14	1
36923	36	1	14	1
XP77544	36	1⅛	12	1
36925	36	1¼	12	1

NOTE: Part nos. 36684 and 36695 are to be used with 2H heavy hex nut part no. 36661. Part nos. 36685 and 36696 are to be used with part no. 36662. Part no. 36697 is to be used with part no. 36663.

B-7 Alloy Threaded Rod

Black Finish
Canada Only



- Hi-tensile 4140 alloy steel 125,000 P.S.I.
- Meets ASTM-A193 specifications
- 3 ft. lengths

UNC Part No.	Size	Unit
*CD553680	¼-20	1
*CD559818	5/16-18	1
*CD559419	⅜-16	1
*CD557734	7/16-14	1
*CD557925	½-13	1
*CD561025	9/16-12	1
*CD563197	⅝-11	1
*CD559393	¾-10	1
*CD553838	⅞-9	1
*CD556926	1-8	1
*CD557651	1⅛-7	1
*CD557254	1¼-7	1
*CD557147	1¼-6	1

UNF Part No.	Size	Unit
*CD559631	¼-28	1
*CD559819	5/16-24	1
*CD559651	⅜-24	1
*CD560735	7/16-20	1
*CD557926	½-20	1
*CD560198	⅝-18	1
*CD559309	¾-16	1
*CD560329	⅞-14	1
*CD556927	1-14	1
*CD563282	1¼-12	1

*Canada only

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Miscellaneous Fasteners

Low Carbon Threaded Rod

Threaded Rod Stock



- UNC (USS) or UNF (SAE)
- Low carbon steel
- Use with low carbon steel rod couplers

UNC (USS) Part No.	Length (In.)	Dia. (In.)	TPI	Unit
32483	12	¼	20	5
32489	12	5/16	18	5
32493	12	⅜	16	5
32495	12	½	13	2

UNC (USS) Part No.	Length (In.)	Dia. (In.)	TPI	Unit
32472	36	No. 6	32	5
32473	36	No. 8	32	1
32474	36	No. 10	24	1
32475	36	¼	20	1
32476	36	5/16	18	1
32477	36	⅜	16	1
32478	36	7/16	14	1
32479	36	½	13	1
32479-1	36	9/16	12	1
32480	36	5/8	11	1
32481	36	¾	10	1
32481-1	36	⅞	9	1
32482	36	1	8	1
+CD557256	36	1¼	7	1

UNF (SAE) Part No.	Length (In.)	Dia. (In.)	TPI	Unit
32465	72	¼	20	1
32466	72	5/16	18	1
32467N	72	⅜	16	1
32469N	72	½	13	1
32470	72	5/8	11	1
32471	72	¾	10	1
32471-1	72	1	8	1

UNF (SAE) Part No.	Length (In.)	Dia.	TPI	Unit
32482-2	36	No. 10	32	1
32483	36	¼	28	1
32484	36	5/16	24	1
32485	36	⅜	24	1
32486	36	7/16	20	1
32487	36	½	20	1
32489-1	36	5/8	18	1
32490-1	36	¾	16	1
32491-1	36	⅞	14	1

Available in Assortments:
Refer to Part No. BP- 455
+Canada only

Threaded Rod Stock (Non-Plated) - +Canada Only



- UNC (USS)
- Low carbon steel

Part No.	Length (In.)	Dia. (In.)	TPI	Unit
+52303	36	¼	20	1
+52301	36	5/16	18	1
+52302	36	⅜	16	1
+52303	36	7/16	14	1
+52304	36	½	13	1
+52305	36	5/8	11	1
+52306	36	¾	10	1
+52307	36	⅞	9	1
+52308	36	1	8	1
+CD557252	36	1⅛	7	1
+CD557255	36	1¼	7	1
+CD557257	36	1¼	12	1
+CD557258	36	1½	12	1

+Canada only

Coupling Nuts

Threaded Rod Couplers



- UNC (USS)
- Low carbon steel
- Use with low carbon steel threaded rod stock

UNC (USS) Part No.	Length	Size	TPI	Unit
36663	½	No. 6	32	50
36559-1	5/8	No. 8	32	50
36563-2	¾	No. 10	24	50
36670	⅞	¼	20	50
36671	1⅛	5/16	18	50
36672	1¼	⅜	16	50
36572-1	1¾	7/16	14	50
36573	1¾	½	13	50
36674	2⅛	9/16	12	25
36674-1	2⅛	5/8	11	25
36674-2	2¼	¾	10	25
36674-3	2½	⅞	9	5
36674-4	2¾	1	8	5

Square Keystock

Keystock - Square



- Cold drawn steel
- 12" length

Non Plated .002" Undersize

Part No.	Size (In.)	Unit
33960	1/8 x 1/8	5
33961	3/16 x 3/16	5
33962	¼ x ¼	5
33963	5/16 x 5/16	5
33964	⅜ x ⅜	5
33965	7/16 x 7/16	2
33966	½ x ½	2
33967	9/16 x 9/16	2
33968	5/8 x 5/8	2
33969	¾ x ¾	2
33970	⅞ x ⅞	2
33971	1 x 1	2

.002" Oversize

Zinc Part No.	Non-Plated Part No.	Size (In.)	Unit
33974		1/8 x 1/8	5
33975		3/16 x 3/16	5
33976	C676404	¼ x ¼	5
33977	C676405	5/16 x 5/16	5
33978	C676406	⅜ x ⅜	5
33979-1		7/16 x 7/16	2
	C676407	7/16 x 7/16	5
33979		½ x ½	2
	C676408	½ x ½	5
33979-3		9/16 x 9/16	2
	C676409	9/16 x 9/16	5
33980		5/8 x 5/8	2
	C676410	5/8 x 5/8	5
33981		¾ x ¾	2
	C676412	¾ x ¾	1
33983		⅞ x ⅞	2
	C676416	⅞ x ⅞	1
33984		1 x 1	2

.002 Undersized - 36" Length

Part No.	Size (In.)	Unit
KP25950	1/8 x 1/8	2
KP25951	3/16 x 3/16	2
KP25952	¼ x ¼	2
KP25953	5/16 x 5/16	2
KP25954	⅜ x ⅜	2
KP25955	7/16 x ½	1
KP25956	5/8 x 5/8	1
KP25957	¾ x ¾	1
KP25958	⅞ x ⅞	1
KP25959*	1 x 1	1

* .023 Undersized

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Square Key Stock
Canada Only



- Zinc plating
- Cold drawn steel
- Tolerance .000 to +.005
- 12" length

Part No.	Size (In.)	Unit
*CD552575	3/16 X 1/8	5
*CD552576	1/4 X 1/8	5
*CD552577	1/4 X 3/16	5
*CD552579	5/16 X 1/4	5
*CD552581	3/8 X 1/4	5
*CD552582	3/8 X 5/16	5
*CD552583	1/2 X 1/4	5
*CD552585	1/2 X 3/8	5
*CD552593	3/8 X 1/2	5

*Canada only

Round Keystock

Keystock – Round



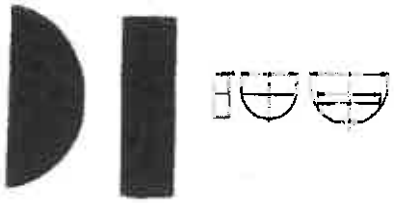
- Zinc plating
- Ends are color-coded for easy identification
- 36" Length

Part No.	Size (In.)	Color	Unit
CD669011*	1/8	None	6
CD669021*	5/16	None	6
CD669031*	1/4	None	6
CD669041*	5/16	None	6
C676506	3/8	Yellow	3
C676507	7/16	Green	3
C676508	1/2	Blue	3
C676509	5/16	Brown	1
C676510	3/8	Red	1
C676512	3/4	Yellow	1
C676514	7/8	Green	1
C676516	1	Red	1

* Electro Copper Plated

Woodruff Keys

Woodruff Keys



- Cold drawn steel
- Non plated

Part No.	A x B (In.)	Ind. No.	Unit
C12001	1/16 x 1/2	1	50
MPC12001	1/16 x 1/2	1	10
Part No.	A x B (In.)	Ind. No.	Unit
31950-3	3/32 x 3/4	212	50
31950-1	3/32 x 1/2	2	50
MP31950-1	3/32 x 1/2	2	10
31951-1	3/32 x 5/8	4	50
MP31951-1	3/32 x 5/8	4	10
Part No.	A x B (In.)	Ind. No.	Unit
31950-2	1/8 x 3/4	213	50
31950	1/8 x 1/2	3	50
MP31950	1/8 x 1/2	3	10
31951	1/8 x 5/8	5	50
MP31951	1/8 x 5/8	5	10
31952-1	1/8 x 3/4	7	50
MP31952-1	1/8 x 3/4	7	10
Part No.	A x B (In.)	Ind. No.	Unit
31952	5/32 x 5/8	6	50
MP31952	5/32 x 5/8	6	10
31953	5/32 x 3/4	8	50
MP31953	5/32 x 3/4	8	10
31954-2	5/32 x 7/8	10	100
Part No.	A x B (In.)	Ind. No.	Unit
31953-1	3/16 x 5/8	61	50
MP31953-1	3/16 x 5/8	61	10
31953	3/16 x 3/4	9	50
MP31954	3/16 x 3/4	9	10
31955	3/16 x 7/8	11	50
31956	3/16 x 1	13	25
MP31955	3/16 x 1	13	5
31956-1	3/16 x 1 1/8	16	25
MP31956-1	3/16 x 1 1/8	16	5
31957	3/16 x 1 1/4	19	25
MP31957	3/16 x 1 1/4	19	5
31957-1*	3/16 x 2 1/8	126	25
Part No.	A x B (In.)	Ind. No.	Unit
31957-4	1/32 x 3/8	12	50
31957-5	1/32 x 1	14	25
31957-2	1/32 x 1 1/8	17	25
Part No.	A x B (In.)	Ind. No.	Unit
31957-3	1/4 x 3/4	91	25
MP31957-3	1/4 x 3/4	91	5
31958	1/4 x 7/8	A	25
MP31958	1/4 x 7/8	A	5
31959	1/4 x 1	15	25
MP31959	1/4 x 1	15	5
31959-1	1/4 x 1 1/8	18	25
31960	1/4 x 1 1/4	21	25
MP31960	1/4 x 1 1/4	21	5
31961	1/4 x 1 3/8	22	25
31962	1/4 x 1 1/2	24	25
Part No.	A x B (In.)	Ind. No.	Unit
31963	5/16 x 1	B	25
MP31963	5/16 x 1	B	5
31964	5/16 x 1 1/8	C	25
MP31964	5/16 x 1 1/8	C	5
31965	5/16 x 1 1/4	D	25
MP31965	5/16 x 1 1/4	D	5
31966	5/16 x 1 3/8	23	25
Part No.	A x B (In.)	Ind. No.	Unit
C676503	3/8 x 1	152	25
31968	3/8 x 1 1/4	E	25
31969	3/8 x 1 3/8	F	25

*Actual Length ("L" is 1.380 inch)

Oil Hardening Drill Rod

Oil Hardening Drill Rod



- AISI/SAE Grade O-1
- Ground and polished tool steel rounds
- Non-shrinking, general-purpose tool steel characteristics for screw-machining operations and pin, shaft, punch, plug, drill and die production
- Abrasion resistant
- Three-foot length

Inch Series

Part No.	Dia. (In.)	Unit
34590-1/16	1/16	2
*34590-5/64	5/64	2
34590-3/32	3/32	2
*34590-7/64	7/64	2
34590-1/8	1/8	2
34590-9/64	9/64	2
34590-5/32	5/32	2
*34590-11/64	11/64	2
34590-3/16	3/16	2
34590-13/64	13/64	2
34590-7/32	7/32	2
34590-15/64	15/64	2
34590-1/4	1/4	2
*34590-17/64	17/64	2
34590-9/32	9/32	2
*34590-19/64	19/64	2
34590-5/16	5/16	2
*34590-21/64	21/64	2
34590-11/32	11/32	2
*34590-23/64	23/64	2
34590-3/8	3/8	2
*34590-13/32	13/32	2
*34590-27/64	27/64	2
34590-7/16	7/16	2
*34590-29/64	29/64	2
*34590-15/32	15/32	2
*34590-31/64	31/64	2
34590-1/2	1/2	1
*34590-33/64	33/64	1
34590-9/16	9/16	1
34590-5/8	5/8	1
*34590-21/32	21/32	1
*34590-43/64	43/64	1

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Miscellaneous Fasteners

Continued from previous page

Part No.	Dia. (In.)	Unit
34510-1116	1 1/16	1
*34510-23/32	23/32	1
34510-3/4	3/4	1
34510-7/8	7/8	1
*34510-43/64	43/64	1
34510-1	1	1
34510-1 1/8	1 1/8	1
34510-1 1/4	1 1/4	1
34510-1 1/2	1 1/2	1
34510-2	2	1

Metric Series

Part No.	Dia. (mm)	Dec. Equiv. (In.)	Unit
*34560-2	2	0.0787	2
34560-3	3	0.1181	2
34560-4	4	0.1575	2
34560-5	5	0.1969	2
34560-6	6	0.2362	2
*34560-7	7	0.2756	2
34560-8	8	0.3150	2
*34560-9	9	0.3543	2
34560-10	10	0.3937	2
*34560-11	11	0.4331	2
34560-12	12	0.4724	2
*34560-14	14	0.5512	1
34560-15	15	0.5906	1
34560-16	16	0.6299	1
*34560-18	18	0.7087	1
34560-20	20	0.7874	1
34560-25	25	0.9843	1

Acme Threaded Rod and Hex Nuts

Canada Only

- Plain finish

Part No.	Description	Size	Length	Unit
+CD557934	Acme Threaded Rod	½-10	36"	1
+CD564071	Acme Threaded Rod	⅝-8	36"	1
+CD5[illegible]917	Acme Threaded Rod	¾-6	36"	1
+CD554915	Acme Threaded Rod	1-5	36"	1
+CD557871	Acme Hex Nuts	½-10		50
+CD559071	Acme Hex Nuts	⅝-8		25
+CD554981	Acme Hex Nuts	¾-6		20
+CD556887	acme Hex Nuts	1-5		20

+Canada only

Turnbuckles

Drop-Forged Turnbuckles



- C-1035 Steel
- Meets ASTM Specification F1145-92 Type 1, Grade 1

Body Only (CLASS 2*) Self-Colored

Part No.	Diameter & Take-up (In.)	OAL (In.)	Unit
57031	¼ x 4	4 13/16	2
57032	5/16 x 4½	5 9/16	2
57033	⅜ x 6	7¼	2
57034	½ x 6	7½	2
57035	½ x 12	13½	2
57036	⅝ x 6	7⅞	2
57037	⅝ x 12	13⅞	2
57038	¾ x 6	8¼	2
57039	¾ x 12	14¼	2



Eye & Eye (CLASS 4*) Hot Galvanized

Part No.	Diameter & Take-up (In.)	OAL (In.)	Unit
57010	¼ x 4	8	2
57011	5/16 x 4½	9	2
57012	⅜ x 6	11½	2
57013	½ x 6	13	2
57014	½ x 12	19	2
57015	⅝ x 6	13½	2
57016	⅝ x 12	20½	2
57017	¾ x 6	14¼	2
57018	¾ x 12	21¼	2



Jaw & Jaw (CLASS 7*) Hot Galvanized

Part No.	Diameter & Take-up (In.)	OAL (In.)	Unit
57019	¼ x 4	8½	2
57020	5/16 x 4½	9¼	2
57021	⅜ x 6	11½	2
57022	½ x 6	13½	2
57023	½ x 12	19½	2
57024	⅝ x 6	15¼	2
57025	⅝ x 12	21¼	2
57026	¾ x 6	16½	2
57027	¾ x 12	22½	2



Jaw & Eye (CLASS 8*) Hot Galvanized

Part No.	Diameter & Take-up (In.)	OAL (In.)	Unit
57028	¼ x 4	8¼	2
57029	5/16 x 4½	9¼	2
57030	⅜ x 6	11½	2
57031	½ x 6	13¼	2
57032	½ x 12	19¼	2
57033	⅝ x 6	14⅝	2
57034	⅝ x 12	21⅛	2
57035	¾ x 6	15⅛	2
57036	¾ x 12	22	2



Hook & Eye (CLASS 6*) Hot Galvanized

Part No.	Diameter & Take-up (In.)	OAL (In.)	Unit
57037	¼ x 4	8¼	2
57038	5/16 x 4½	9¼	2
57039	⅜ x 6	11¾	2
57040	½ x 6	13¾	2
57041	½ x 12	19⅝	2
57042	⅝ x 6	14½	2
57043	⅝ x 12	20½	2
57044	¾ x 6	15¾	2
57045	¾ x 12	22½	2

NOTE: Overall lengths (inches) taken in the closed position. To ascertain extended length, add amount of take-up to length in closed position.

Shaft Collars-Steel

Set Screw Shaft Collars

One-Piece Type



- Low carbon steel
- Zinc plated
- Supplied with socket cup point set screw
- Used to lock a variety of components securely to a shaft

Part No.	Bore Size (In.)	O.D. (In.)	Unit
*30880	1/8	3/8	5
30891	5/16		5
30892	1/4		5
30893	5/16	5/8	5
30894	3/8	3/4	5
30895	7/16	7/8	5
30896	1/2	1	3
30897	9/16	1	3
30898	5/8	1 1/8	3
*30899	11/16	1 1/4	3
30900	3/4	1 1/4	3
30901	13/16	1 1/2	3
30902	7/8	1 1/2	3
*30903	15/16	1 3/4	2
30904	1	1 3/4	2
*30905	1 1/16	1 3/4	2
30906	1 1/8	1 3/4	2
30907	1 3/16	2	2
30908	1 1/4	2	2
*30909	1 5/16	2 1/8	2
30910	1 3/8	2 1/4	2
*30911	1 7/16	2 1/4	2
30912	1 1/2	2 1/4	2
*30913	1 9/16	2 1/2	2
*30914	1 5/8	2 1/2	2
*30915	1 11/16	2 1/2	2
*30916	1 3/4	2 3/4	2
*30917	1 13/16	2 3/4	2
*30918	1 7/8	2 3/4	2
*30919	1 15/16	3	2
30920	2	3	2
*29621	2 1/2	3 1/2	2

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Shaft Collars

One-Piece or Two-Piece Types



- Low carbon steel collar
- Black finish
- Alloy steel socket head cap screw
- Grips tighter than standard set screw collar
- Won't scar shaft

One Piece	Two Piece	Bore Size (In.)	Unit
30850	30870	¼	5
30851	30871	5/16	5
30852	30872	3/8	5
30853	30873	7/16	5
30854	30874	½	3
30855	30875	5/8	3
30856	30876	¾	3
30857	30877	7/8	3
*	KP1779	15/16	2
30858	30878	1	2
30859	30878-1	1 1/16	2
*	C361417	1 3/16	5
30860	30879	1¼	2
30861	30880	1 3/16	2
*	C361422	1 7/16	5
30862	30881	1½	2
*	KP1787	1 5/16	2
*	30882	1¾	2
*	C361431	1 11/16	2
*	30883	2	2
*	30884	2¼	2
*	30885	2½	2

Shaft Collars-Stainless Steel

Shaft Collars – Stainless Steel One Piece Or Two Piece



One Piece Part No.	One Piece Unit	Two Piece Part No.	Two Piece Unit	Bore Size (In.)
C361304	2	KP2050	2	¼
KP86207	10	*		5/16
C361306	2	KP2051	2	3/8
KP86209	10	KP2052	2	7/16
C361308	2	KP2053	2	½
C361310	2	KP2054	2	5/8
C361312	2	KP2055	2	¾
C361314	1	KP2056	2	7/8
*		KP2057	2	15/16
C361316	1	KP2058	2	1
C361318	1	KP2059	1	1 1/16
*		KP2060	1	1 3/16
KP86222	2	KP2061	1	1¼
*		KP2062	1	1 3/16
*		KP2064	1	1½

Boston Gear Thrust Washers

Boston Gear Thrust Washers



These strong thrust washers are made of hardened steel, ground to precise tolerances, to take end thrusts that do not warrant the use of anti-friction ball bearings. Use them as spacers to take up end play in shafts.

Part No.	Bore (In.)	O.D (In.)	Thick (In.)	Unit
C313100	3/16	9/32	1/16	2
C313102	3/16	5/16	1/16	2
C313104	3/16	5/16	3/32	2
C313106	1/4	1/2	1/16	2
C313108	1/4	1/2	3/32	2
C313110	5/16	5/8	1/16	2
C313112	5/16	5/8	1/8	2
C313114	3/8	5/8	1/16	2
C313116	3/8	5/8	1/8	2
C313118	7/16	7/8	1/16	2
C313120	7/16	7/8	5/32	2
C313122	1/2	3/4	1/16	2
C313124	1/2	3/4	1/8	2
C313126	1/2	1 1/16	1/16	2
C313128	1/2	1 1/16	5/32	2
C313130	1/2	1¼	3/16	2
C313132	9/16	1 3/16	3/32	2
C313134	9/16	1 3/16	3/16	2
C313136	5/8	25/32	1/16	2
C313138	5/8	25/32	1/8	2
C313140	5/8	1¼	5/32	2
C313142	5/8	1¼	3/16	2
C313144	5/8	1 3/16	3/16	2
C313146	5/8	1½	3/32	2
C313148	5/8	1½	3/16	2
C313150	5/8	1 3/4	3/16	2
C313152	3/4	1	3/32	2
C313154	3/4	1 5/16	3/32	2
C313156	3/4	1 5/16	3/16	2
C313158	3/4	1 5/8	1/8	2
C313160	3/4	1 5/8	3/16	2
C313162	3/4	1¾	3/16	2
C313164	3/4	2	3/16	2
C313165	7/8	1 13/16	3/32	2
C313168	7/8	2	1/8	2
C313170	7/8	2	3/16	2
C313172	7/8	2¼	3/16	2
C313174	1	1 1/16	3/16	2
C313176	1	2	1/8	2
C313178	1	2	3/16	2
C313180	1	2¼	3/16	2
C313182	1	2½	1/4	2
C313183	1 1/16	2½	1/4	2
C313186	1 1/16	2½	1/4	2
C313188	1 3/16	2	3/16	2
C313190	1 3/16	2	3/16	2
C313192	1¼	2 7/16	3/16	1
C313194	1¼	2¾	3/16	1
C313195	1¼	3	1/4	1
C313198	1 5/16	2¾	1/4	1
C313200	1 3/16	3	5/32	1
C313202	1 3/16	3	1/4	1
C313204	1½	3	5/32	1
C313205	1½	3	1/4	1
C313208	1½	3¼	1/8	1
C313210	2	4	5/32	1
C313212	2	4	5/16	1

STANDARD TOLERANCE	
DIMENSION	TOLERANCE (In.)
BORE	.010
O.D.	0.030

Machinery Bushings

Machinery Bushings



Our Machinery bushings are made of cold-rolled steel to resist friction and keep your equipment running smoothly! Precision finished with narrow rims, they are designed for shimming gears, sprockets, and bearings.

Part No.	Shaft Dia. (In.)	O.D. (In.)	Gauge	Unit
*CD552529	½	5/8	14	25
*CD552589	½	5/8	18	25
*CD552590	5/16	1	14	25
CB88012	5/8	1 1/8	14	50
CB88013	5/8	1 1/8	18	50
CB88014	3/4	1 1/4	14	50
CB88015	3/4	1 1/4	18	50
CB88016	7/8	1 3/8	14	50
CB88017	7/8	1 3/8	18	50
CB88018	1	1 1/2	10	50
CB[illegible]020	1	1 1/2	18	50
CB[illegible]021	1 1/8	1 3/4	10	25
CB88022	1 1/8	1 3/4	14	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Miscellaneous Fasteners

Continued from previous page

Part No.	Shaft Dia. (in.)	O.D. (in.)	Gauge	Unit
CB[illegible]29	1⅛	1¾	18	25
CB[illegible]34	1¼	1⅞	10	25
CB[illegible]25	1¼	1⅞	14	25
CB[illegible]26	1¼	1⅞	18	25
CB[illegible]27	1⅜	2⅛	10	25
CB[illegible]28	1⅜	2⅛	14	25
CB[illegible]29	1¾	2⅛	18	25
CB[illegible]30	1½	2¼	10	25
CB[illegible]31	1½	2¼	14	25
CB[illegible]32	1¾	2½	10	25
CB[illegible]33	1¾	2½	14	10
CB[illegible]35	1⅞	2⅞	14	10
CB[illegible]36	2	3	10	10
CB[illegible]37	2	3	14	10
CB[illegible]39	2¼	3½	10	10

◆Canada only

Remember that you can always call our Customer Service Department when you need a sample.

And if you're not sure of exactly what type of fastener you need, rest assured that one call to our Customer Service Department can get you the answer you are looking for!

We're here to serve you so feel free to call us with any questions you may have.

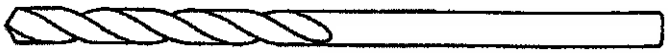
For All Your Fastener Needs!!

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

HIGH SPEED JOBBER LENGTH DRILLS



Straight Shank - Black Finish
135° Split Point

Auveco Part No.	Unit Pkg.	Size	Dec. Equiv.	Flute Length	Overall Length
13039	5	3/32"	.0938	1-1/4"	2-1/4"
13040	5	7/64"	.1094	1-1/2"	2-5/8"
13041	5	1/8"	.1250	1-5/8"	2-3/4"
13095	5	30	.1285	1-5/8"	2-3/4"
13042	5	9/64"	.1406	1-3/4"	2-7/8"
13043	5	5/32"	.1562	2"	3-1/8"
13044	5	11/64"	.1719	2-1/8"	3-1/4"
13080	5	15	.1800	2-3/16"	3-3/8"
13045	5	3/16"	.1875	2-5/16"	3-1/2"
13077	5	12	.1890	2-5/16"	3-1/2"
13075	5	10	.1935	2-7/16"	3-5/8"
13072	5	7	.2010	2-7/16"	3-5/8"
13095	5	30	.1285	1-5/8"	2-3/4"
13046	5	13/64"	.2031	2-7/16"	3-5/8"
13047	5	7/32"	.2188	2-1/2"	3-3/4"
13048	5	15/64"	.2344	2-5/8"	3-7/8"
13049	5	1/4"	.2500	2-3/4"	4"
13050	5	17/64"	.2656	2-7/8"	4-1/8"
13051	5	9/32"	.2812	2-15/16"	4-1/4"
13052	5	19/64"	.2969	3-1/16"	4-3/8"
13053	5	5/16"	.3125	3-3/16"	4-1/2"
13054	5	21/64"	.3281	3-5/16"	4-5/8"
13055	5	11/32"	.3438	3-7/16"	4-3/4"
13056	5	23/64"	.3594	3-1/2"	4-7/8"
13057	5	3/8"	.3750	3-5/8"	5"
13058	5	25/64"	.3906	3-3/4"	5-1/8"
13059	5	13/32"	.4062	3-7/8"	5-1/4"
13060	5	27/64"	.4219	3-15/16"	5-3/8"
13061	5	7/16"	.4375	4-1/16"	5-1/2"
13062	5	29/64"	.4531	4-3/16"	5-5/8"
13063	5	15/32"	.4688	4-5/16"	5-3/4"
13064	5	31/64"	.4844	4-3/8"	5-7/8"
13065	3	1/2"	.5000	4-1/2"	6"



Masonry Drills
Chrome Finish - Carbide Tipped
M2 High Speed Steel - ASA Standard

Auveco Part No.	Unit Pkg.	Size	Shank Size	Overall Length
13106	3	3/16"	11/64"	3"
13108	3	1/4"	7/32"	6"

COBALT STEEL SPOT WELD DRILLS



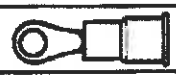
Auveco Part No.	Unit Pkg.	Size	Flute Length	Overall Length
20479	3	8mm (5/16")	27mm (1-1/16")	58mm (2-1/4")
20480	3	10mm (3/8")	27mm (1-1/16")	58mm (2-1/4")

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

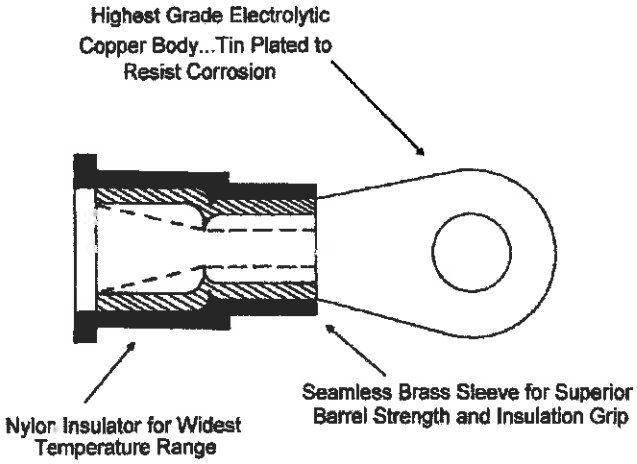
Solderless Terminals

Nylon Insulated - Our Finest

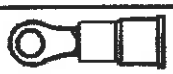
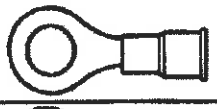
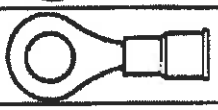
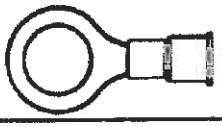
22-18 Gauge Wire Range (Red)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#4 - #6	12149	25
	#8 - #10	12150	25
	#12 - 1/4"	17041	50
	#8 - #10	12163	25
	#4 - #6	12164	25
	Butt Connector	5791	50
		16487	1000

Nylon Insulated with Insulation Grip



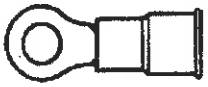
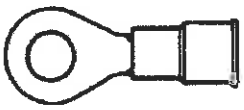
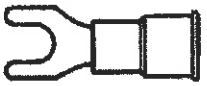
16-14 Gauge Wire Range (Blue)

Actual Size	Stud Size	Auveco No.	Unit Pkg.
	#4 - #6	9052	25
	#8 - #10	9055	25
	#12 - 1/4"	9056	25
	1/4" - 5/16"	9057	25
	5/16" - 3/8"	9058	25
	#4 - #6	9059	25
	#8 - #10	9060	25
	#8 - #10	9064	25
	Butt Connector	5792	50
		16488	1000
	1/4" Female Quick Connect	12148	25
	1/4" Male Quick Connect	12147	25

Auveco's Finest

* Superior Vibration Resistance with Insulation Grip
* Superior Barrel Strength
* Constructed to Meet the Highest Military and Industrial Standards

12-10 Gauge Wire Range (Yellow)

Actual Size	Stud Size	Auveco No.	Unit Pkg.
	#8 - #10	12151	25
	#12 - 1/4"	12152	25
	5/16" - 3/8"	12153	25
	#8 - #10	12162	25
	Butt Connector	5793	50
		16489	500

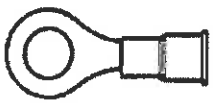
GRAYSON INDUSTRIES, INC.

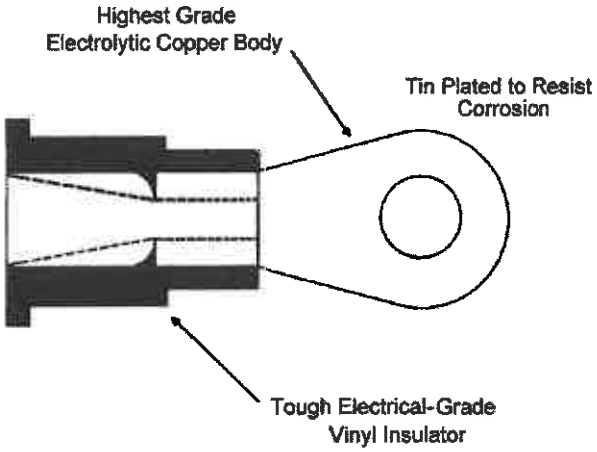
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Vinyl Insulated - Copper - Electro Tin Plated

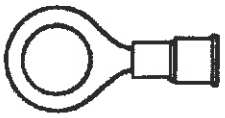
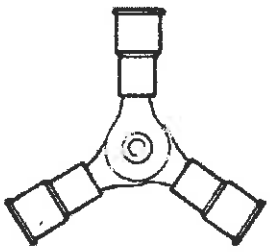
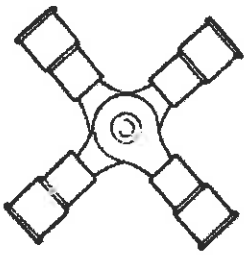
22-18 Gauge Wire Range (Red)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#4 - #6	5021	100
	#8 - #10	5023	100
	#12 - 1/4"	17040	50
	#4 - #6	5033	100
	#8 - #10	5034	100
	#4 - #6	5038	100
	Butt Connector	5047	100
		16484	1000
	Closed End Butt Connector 22-14 Ga.	9065	100



*Funnel Barrel for Easy Wire Insertion
*Friction Groove in Barrel Resists Wire Pullout
*Heat Treated for Maximum Strength

16-14 Gauge Wire Range (Blue)

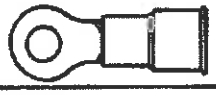
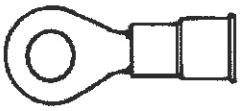
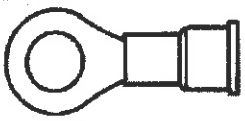
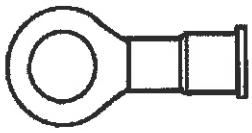
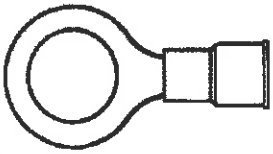
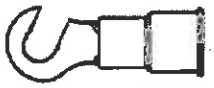
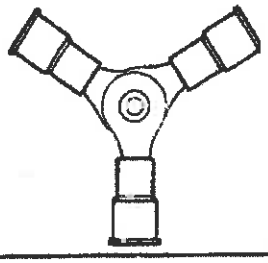
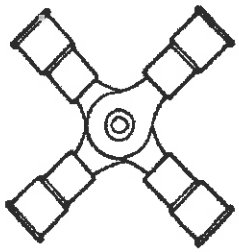
Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#4 - #6	5024	100
	#8 - #10	5026	100
	#12 - 1/4"	5027	100
	5/16" - 3/8"	12144	25
	#4 - #6	5035	100
	#8 - #10	5036	100
	#8 - #10	5040	100
	Butt Connector	5048	100
		16485	1000
	Closed End Butt Connector 16-10 Ga.	5072	100
	3-Way Connector	5055	25
	4-Way Connector	5057	25

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

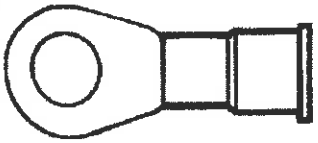
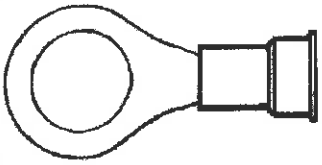
Solderless Terminals

Vinyl Insulated - Copper - Electro Tin Plated

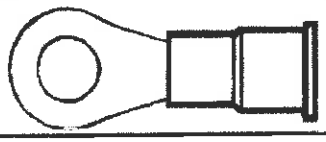
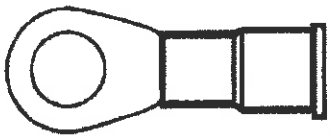
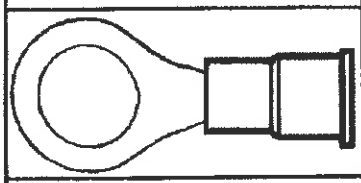
12-10 Gauge Wire Range (Yellow)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#8 - #10	5028	100
	#12 - 1/4"	5029	100
	1/4" - 5/16"	5030	100
	5/16" - 3/8"	5031	100
	7/16" - 1/2"	5032	100
	#8 - #10	5037	100
	#8 - #10	5041	100
	Butt Connector	5049	100
		16486	500
	3-Way Connector	5056	25
	4-Way Connector	5058	25

8 Gauge Wire Range (Red)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#12 - 1/4"	17042	25
	1/4" - 5/16"	17043	25
	5/16"-3/8"	17044	25
	7/16" - 1/2"	17045	15
	Butt Connector	17037	10

6 Gauge Wire Range (Blue)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#12 - 1/4"	17046	15
	1/4" - 5/16"	17047	15
	5/16" - 3/8"	17048	15
	7/16" - 1/2"	17049	10
	Butt Connector	17038	10

GRAYSON INDUSTRIES, INC.

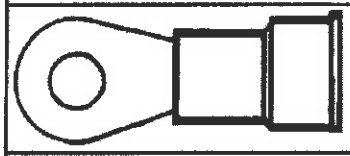
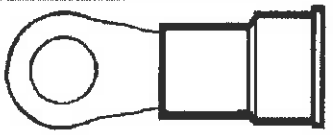
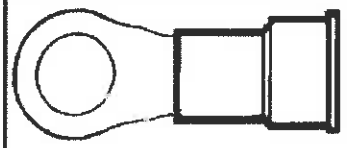
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

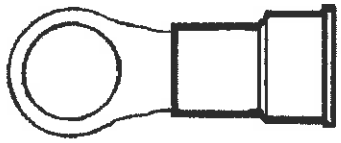
Solderless Terminals

Vinyl Insulated - Copper - Electro Tin Plated

4 Gauge Wire Range (Yellow)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#12 - 1/4"	17050	10
	1/4"-5/16"	17051	10
	5/16"-3/8"	17052	10

4 Gauge Wire Range (Yellow)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	7/16"-1/2"	17053	10
	Butt Connector	17039	10

Quick-Connect Terminals

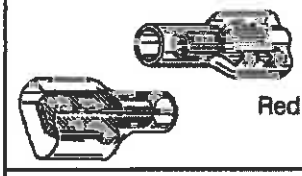
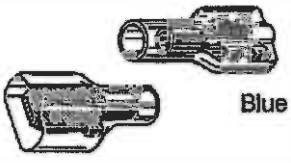
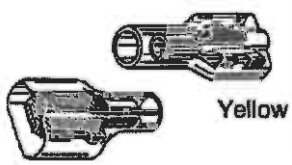
1/4" Female Terminals Vinyl Insulated

Actual Size	Wire Size	Auveco Part No.	Unit Pkg.
 Red	22-18 Ga.	12155	25
 Blue	16-14 Ga.	5068	100
 Yellow	12-10 Ga.	12157	25

1/4" Male Tabs - Vinyl Insulated

Actual Size	Wire Size	Auveco Part No.	Unit Pkg.
 Red	22-18 Ga.	12154	25
 Blue	16-14 Ga.	5067	100
 Yellow	12-10 Ga.	12156	25

Fully Insulated Nylon - Mating 1/4" Quick-Connects

 Red	22-18 Ga. Female	11827	50
	22-18 Ga. Male	11828	50
 Blue	16-14 Ga. Female	11606	50
	16-14 Ga. Male	11605	50
 Yellow	12-10 Ga. Female	11829	25
	12-10 Ga. Male	11830	25

.187 (3/16") Sizes - Vinyl Insulated

 Red	Male 22-18 Ga.	17462	25
 Red	Female 22-18 Ga.	12159	25
 Blue	Male 16-14 Ga.	12165	25
 Blue	Female 16-14 Ga.	8781	50

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Solderless Terminals

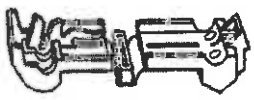
1/4" Female Fully Insulated Nylon Piggyback Terminals

Actual Size	Wire Range	Auveco Part No.	Unit Pkg.
	22-18 Ga. 1/4" Tab Std. Barrel (Red)	**19298**	15
	16-14 Ga. 1/4" Tab Std. Barrel (Blue)	**19299**	15
	12-10 Ga. 1/4" Tab Std. Barrel (Yellow)	**19300**	15

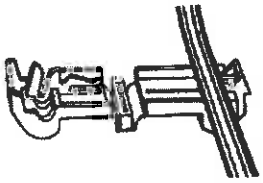
Actual Size	Wire Range	Auveco Part No.	Unit Pkg.
	16-14 Ga. 1/4" Tab Expanded Barrel For Two Wires (Blue)	**19302**	15

Fully Insulated Tap-Disconnect

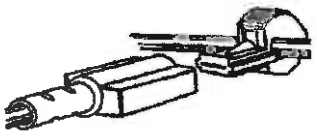
	Wire Range	Auveco Part No.	Unit Pkg.
	22-18 Ga. (Red)	**12791**	10
	18-14 Ga. (Blue)	**12161** **14898** **14899**	10 100 500
Mates with 11828, 11605 & 11830	12 Ga. (Yellow)	**12792**	10



Fully insulated connector for tapping into a line without stripping the insulation. No special tools are required.



Place wire to be tapped in locating notch. Then close with pliers.



Complete connection with Auveco fully insulated male terminal:
11828 (22-18 ga.),
11605 (16-14 ga.) or
11830 (12 ga.)

Specialty Terminal - Vinyl Insulated

	1/4" Tab 16-14 Ga.	**12158**	25

Fuse Block Accessory Clip

	For Add-on Electrical Equipment	**11405**	50

Blade Type Fuse Tap

 Refer To Page 176.	For tapping "hot side" of fuse block	**14474**	25

Mini Fuse Blade Type Fuse Tap

 Refer To Page 176.	For tapping "hot side" of mini fuse type fuse block	**17686**	50

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Snap Plugs & Connectors

Snap Plugs - 22-18 Ga. Universal - .157" Dia.

Actual Size	Description	Auveco Part No.	Unit Pkg.
 Red	Vinyl Insulated	**11604**	50
 Red	Insulated Crimp-on Female Mates with 11604	**10720**	10

Snap Plugs - 22-18 Ga. Ford - .176" Dia.

Actual Size	Description	Auveco Part No.	Unit Pkg.
 Red	Vinyl Insulated	**11603**	50
 Red	Insulated Crimp-On Female, Mates With 11603	**11601**	25

Snap Plugs 16-14 Ga. Universal (.157")

	Use w/5073 & 10719 Connectors	Non Insulated	**5060**	100
 Blue		Vinyl Insulated	**5063**	100
 Blue		Nylon Insulated	**12146**	25

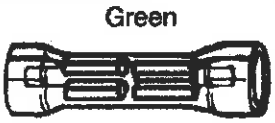
Snap Plugs 16-14 Ga. Ford (American & Lucas) (.176")

	Use w/11600 & 11602 Connector	Non Insulated	**5059**	100
 Blue		Vinyl Insulated	**5062**	100
 Blue		Nylon Insulated	**12145**	25

Universal Snap Plug Connectors (.157")

 Clear	Vinyl Insulated 2 Way Use w/Universal Plugs	**5073**	50

Ford Snap Plug Connectors (.176")

 Green	Vinyl Insulated 2 Way Use w/Ford Snap Plugs	**11600**	50

Fully Insulated Crimp-On Female (.157")

 Blue	Nylon 16-14 Ga.	**10719**	10
		17494	25
	Mates with 5063 & 12146		

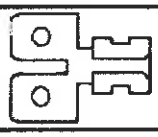
Fully Insulated Crimp-on Female (.176")

 Blue	Nylon 16-14 Ga.	**11602**	25
		17493	50
	Mates with 5062 & 12145		

Snap Plug Tap-Disconnect

 Use Universal Snap Plugs (above)	18-14 Ga.	**10319**	10

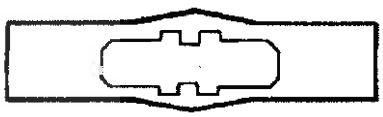
Dual Male-Female Adaptor

	Converts .250" x .032" Male Tab to 2 Male Tabs	**8009**	100

Dual Male Female Adapter

	Converts .250" x .032" Male Tab to 2 Male Tabs	**8788**	25

1/4" Tab Inline Connector

		**5905**	50

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

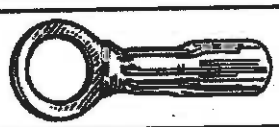
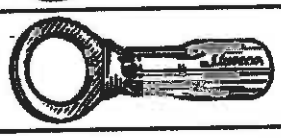
Krimp & Seal Terminals

Special polyolefin tubing when heated shrinks with a 3-1 ratio to completely seal entire connection, making penetration by any foreign material impossible.

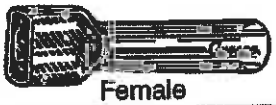
22-18 Gauge Wire Range (Red)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#6	13656	10
	#10	13657	10
	Butt Connector	13659	10
		19258	25
 Female	.250"	13660	10
 Male	.250"	13661	10
	#10	13658	10

16-14 Gauge Wire Range (Blue)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#6	13662	10
	#10	13663	10
	1/4"	13664	10
	5/16"	13665	10
	3/8"	13666	10
	#10	13667	10

16-14 Gauge Wire Range (Blue) (Continued)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	Butt Conn.	13669	10
		19259	25
	.157"	13681	10
	.157"	13682	10
	.250"	13670	10
	.250"	13671	10
 Female	.250"	13672	10
		19260	25
 Male	.250"	13673	10
		19261	25

12-10 Gauge Wire Range (Yellow)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#10	13674	10
	1/4"	13675	10
	3/8"	13676	10
	Butt Connector	13678	10
		19262	25
	#10	13677	10
 Female	.250"	13679	10
Male 	.250"	13680	10

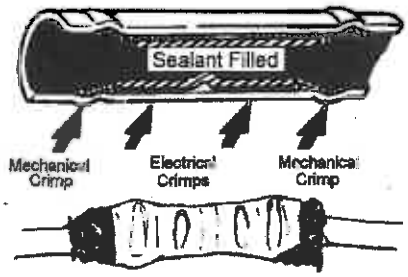
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Moisture Resistant Nylon Insulated Butt Connectors

Protects electrical connections from corrosive environments - road chemicals, salt spray, etc. Insert wire and crimp twice (electrical and mechanical) at each end - no need for heat or chemicals.

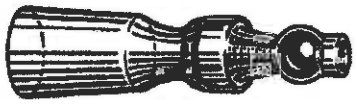


Auveco Part No.	Wire Range	Unit Pkg.
13683	22-18 Ga.	10
13684	16-14 Ga.	10
13685	12-10 Ga.	10

Heat-Shrinkable, Solder-Type Closed-End Connectors And Terminals

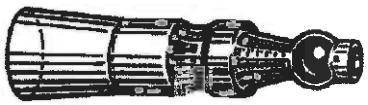
These terminators consist of a heat-shrinkable thermoplastic sleeve containing a spiral wound copper insert that is fitted with a prefluxed solder band. The unique combination of wire sizing and controlled soldering technology provides dependable electrical termination of as many as 10 wires of different sizes in a single connector.

Easy installation: Insert stripped wires into the terminator, then twist slightly. Twisting causes the copper insert to tightly grip, compress and hold the wires together. Apply heat. The tubing shrinks and the solder melts and flows through the copper insert into the center of the termination area, leaving the wires soldered together. The result is a reliable, insulated termination.



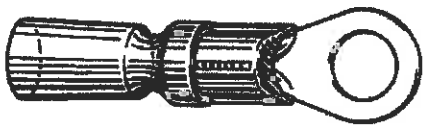
Insulated Closed-End Connectors

Auveco Part No.	Wire Range	Minimum Combination	Maximum Combination	Color Code	Unit Pkg.
18712	22-14 Ga.	2 22 Ga.	1 14 Ga. & 1 22 Ga.	Green	10
18713	18-14 Ga.	4 20 Ga.	1 14 Ga. & 2 18 Ga.	Red	10
18715	16-8 Ga.	1 10 Ga. & 1 12 Ga.	1 8 Ga. & 1 12 Ga.	Yellow	10



Insulated & Sealed Closed-End Connectors

Auveco Part No.	Wire Range	Minimum Combination	Maximum Combination	Color Code	Unit Pkg.
18716	22-14 Ga.	3 22 Ga.	1 14 Ga., & 1 22 Ga.	Green	10



Insulated Ring Tongue Terminals

Auveco Part No.	Wire Range	Stud Size	Minimum Combination	Maximum Combination	Unit Pkg.
18720	20-14 Ga.	#8	3 20 Ga.	1 14 Ga. & 1 18 Ga.	10
18721	20-14 Ga.	1/4"	3 20 Ga.	1 14 Ga. & 1 18 Ga.	10
18722	18-10 Ga.	1/4"	1 12 Ga.	3 16 Ga. & 3 18 Ga.	10
18723	18-10 Ga.	5/16"	1 12 Ga.	3 16 Ga. & 3 18 Ga.	10
18724	16-8 Ga.	1/4"	1 14 Ga. & 4 16 Ga.	1 8 Ga. & 2 16 Ga.	10
18725	16-8 Ga.	5/16"	1 14 Ga. & 4 16 Ga.	1 8 Ga. & 2 16 Ga.	10

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Solderless Terminals

Non-Insulated

22-18 Gauge Wire Range

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#4-#6	5000	100
	#8-#10	5002	100
	Butt Connector	5044	100

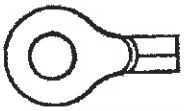
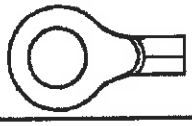
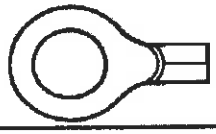
16-14 Gauge Wire Range

	#4-#6	5003	100
	#8-#10	5005	100
	#12-1/4"	5006	100
	#4-#6	5014	100
	#8-#10	5015	100
 Flag Type	#8-#10	5043	100
	Butt Connector	5045	100

16-14 Gauge Wire Range - High Temperature

	#8-#10	17491	50
	#12-1/4"	17492	50
	.187" Female	10724	25
	.187" Male	10721	25
	1/4" Female	5066	100
	1/4" Male	17490	50

12-10 Gauge Wire Range

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	#8-#10	5007	100
	#12-1/4"	5008	100
	5/16"	5009	100
	3/8"	5010	100
	Butt Connector	5046	100

Parallel Connectors
(Fusible Link Connectors)

Actual Size	Wire Range	Auveco No.	Unit Pkg.
 Non-Insulated	16-14 Ga.	12630	100
 Non-Insulated	12-10 Ga.	12631	50



Parallel Connectors
Proper Wire Insertion

Splice Clips

Actual Size	Wire Range	Auveco Part No.	Unit Pkg.
	Max. of 3 #16 Ga.	18952	50
	Max of 3 #12 Ga.	18953	50

GRAYSON INDUSTRIES, INC.

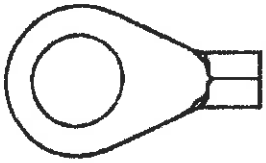
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

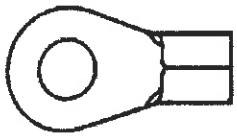
Solderless Terminals

Non-Insulated

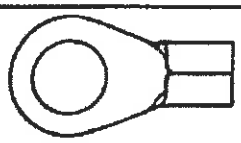
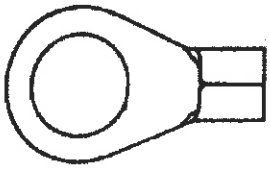
8 Gauge Wire Range

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	1/4"	**15158**	25
	5/16"	**15159**	25
	3/8"	**15160**	25
	1/2"	**15161**	25

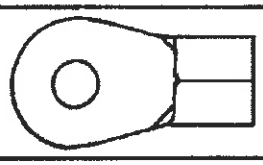
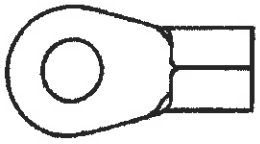
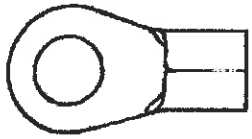
6 Gauge Wire Range

	1/4"	**15162**	25
	5/16"	**15163**	25

6 Gauge Wire Range (Continued)

Actual Size	Stud Size	Auveco Part No.	Unit Pkg.
	3/8"	**15164**	25
	1/2"	**15165**	25

4 Gauge Wire Range

	1/4"	**15166**	10
	5/16"	**15167**	10
	3/8"	**15168**	10
	1/2"	**15169**	10

Spark Plug Wire Terminals



Type 1



Type 2



Type 3

Auveco Part No.	Type	Description	Unit Pkg.
5069	1	7mm Coil and Distributor Cap Terminal	100
5070	2	7mm 90° Spark Plug Terminal	100
5071	3	7mm Straight Spark Plug Terminal	100

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Solderless Terminals



Make quick, reliable pre-insulated tap splices, in-line splices, pass-through connections and pigtail connections without stripping, twisting, soldering or using special tools.

Easy to use - Open the connector making sure the piercing barb is clear of the wire channels. Insert unstripped wires in the proper channels. Use pliers to squeeze down the piercing barb until the top is flush with the connector body. Close the hinged cover so it locks securely.

Auveco Part No.	Wire Size	Color	Unit Pkg.
17036	22-18 Ga.	Red	25
9481	18-14 Ga.	Blue	25
14896	18-14 Ga.	Blue	100
14897	18-14 Ga.	Blue	500



10385

Tan

Heavy duty self-stripping connector designed for 14, 16, 18 gauge wire connected on to 10 or 12 gauge automotive wire. Ideal for over the road equipment where tap, in-line, and pigtail splices are required.

UNIT PACKAGE: 10

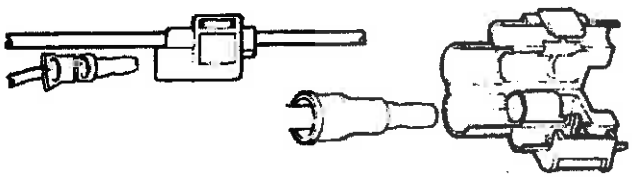


10386

Yellow

Designed exclusively for 10 or 12 gauge splicing on heavy duty vehicle wiring. Tap, in-line, and pigtail splices made quick and easy with this self-stripping connector.

UNIT PACKAGE: 10

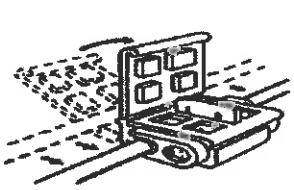


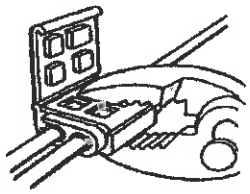
10319

Bullet receptacle connector for use with 18-14 gauge wire. Mates with Auveco snap plugs 5063 and 12146. Place wire to be tapped into connector channel, snap body together and lock into place with pliers.

UNIT PACKAGE: 10

Tap connector with patented application system forces protective gel around the wire and element, providing a moisture-resistant barrier to destructive substances such as salt water and other corrosive environments. Withstands continuous operating temperatures of -40°C to 75°C (-40°F to 167°F). U.L. listed.

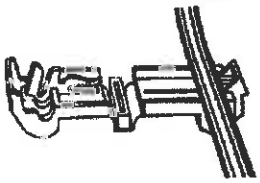




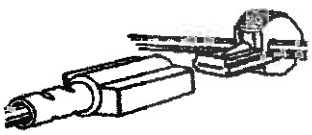
Auveco Part No.	Wire Size	Color	Unit Pkg.
17360	18-14 Ga.	Blue	50



Fully insulated connector for tapping into a line without stripping the insulation. No special tools are required.



Place wire to be tapped in locating notch. Then close with pliers.



Complete connection with Auveco fully insulated male terminal:
11828 (22-18 ga.),
11605 (16-14 ga.) or
11830 (12 ga.)

Auveco Part No.	Wire Size	Color	Unit Pkg.
12791	22-18 Ga.	Red	10
12161	18-14 Ga.	Blue	10
14898	18-14 Ga.	Blue	100
14899	18-14 Ga.	Blue	500
12792	12 Ga.	Yellow	10



14920

(with Sealant)

Self-stripping connector for making 2 or 3 wire pigtail connections with a wire range of 22-14 gauge. Simply insert 2 or 3 unstripped wires completely into the connector. Hold a crimping tool perpendicular to the wires and make the connection by driving the cap down. UL & CSA listed for use to 600V maximum.

UNIT PACKAGE: 10

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.



Terminal Extractor Picks

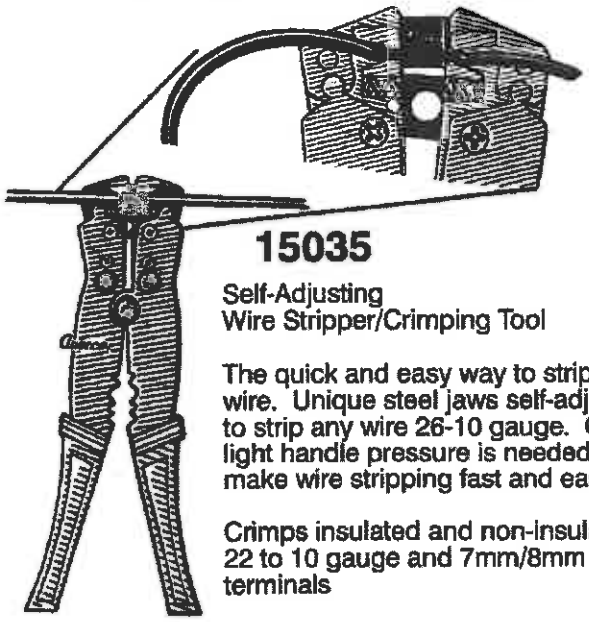
Used to release most GM, Ford and Chrysler OEM terminals from their insulating shells.
Not suitable for round, pin-type terminals.

14884	14885
(12012000)	(8913369)
Narrow Blade (.050")	Wide Blade (.090")
UNIT PACKAGE: 1	UNIT PACKAGE: 1

20583
(12094429)

Micro Terminal Extractor Pick
.035" Wide Blade Used to release 150 Metri-Pack, 280 Metri-Pack, 280 Tangless, 280 Bus Bar, 630 Pull to Seat, GT 150, GT 280, Wedge Base Light Socket terminals and indexing Candelabra Bayonet Double Contact Light Socket terminals.

UNIT PACKAGE: 1



15035

Self-Adjusting
Wire Stripper/Crimping Tool

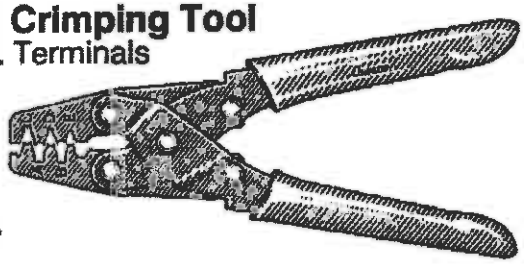
The quick and easy way to strip wire. Unique steel jaws self-adjust to strip any wire 26-10 gauge. Only light handle pressure is needed to make wire stripping fast and easy.

Crimps insulated and non-insulated 22 to 10 gauge and 7mm/8mm terminals

Also features precision machined blade for cutting wire sharp and smooth. Overall Length: 8-1/4"

UNIT PACKAGE: 1

Open Barrel Terminal Crimping Tool
For O.E.M. Terminals



16004

Duplicates factory crimps on open barrel terminals used in automotive, computer and control applications. Features five machined and hardened crimp stations for 14 to 24 gauge wire terminations. Parallel jaws eliminate faulty crimps.
Overall Length: 8-1/2"

UNIT PACKAGE: 1

Insulation Crimp

For Wire Range	Use Crimp Station
14-18 Ga.	A
20-24 Ga.	B

Stripped Wire Crimp

For Wire Range	Use Crimp Station
14-16 Ga.	C
18-20 Ga.	D
22-24 Ga.	E

7711



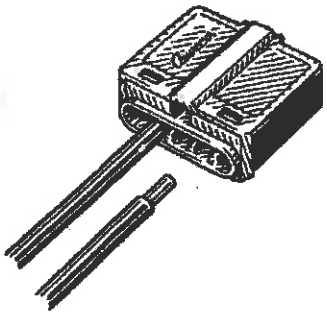
Cuts and strips 22-8 gauge wire. Crimps insulated and non-insulated solderless terminals in sizes from 22-10 gauge.
Overall Length: 9"

UNIT PACKAGE: 1

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Wire Connectors



Push Type Wire Connectors

New type connectors that let you push wires into contact for a positive copper-to-copper connection without twisting or taping. Test holes in the front and back of the connectors accept round or flat probes of test equipment to facilitate troubleshooting. UL approved.

Auveco Part No.	No. of Wires	Gauge	Rated Voltage	Color	Unit Pkg.
15845	3	22-16	300	Gray	25
15849	4	18-12	600	Blue	25

Wire Nut® Connectors



10378 UNIT PACKAGE: 25
15204 UNIT PACKAGE: 100
Gray

Joins 18 & 16 Ga. Wires
Minimum of 2 #18 Ga. Wires
Maximum of 2 #16 Ga. Wires

10379 UNIT PACKAGE: 25
15205 UNIT PACKAGE: 100
Blue

Joins 18-14 Ga. Wires
Minimum of 2 #18 Ga. Wires
Maximum of 3 #16 Ga. Wires

10380 UNIT PACKAGE: 25
15206 UNIT PACKAGE: 100
Orange

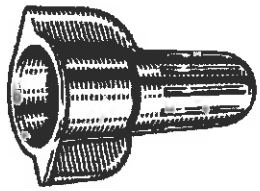
Joins 18-14 Ga. Wires
Minimum of 2 #18 Ga. Wires
Max. of 3 #16 Ga & 1 #18 Ga. Wires

10381 UNIT PACKAGE: 25
15207 UNIT PACKAGE: 100
Yellow

Joins 18-12 Ga. Wires
Min. of 1 #14 Ga. & 1 #18 Ga. Wires
Max. of 2 #14 Ga. & 3 #16 Ga. Wires

10382 UNIT PACKAGE: 25
15208 UNIT PACKAGE: 100
Red

Joins 18-10 Ga. Wires
Min. of 1 #12 Ga. & 2 #18 Ga. Wires
Max. of 2 #10 Ga. & 1 #12 Ga. Wires



Wing Wire Nut® Connectors
UL Approved

10384 UNIT PACKAGE: 25
15209 UNIT PACKAGE: 50
Blue

Joins 14-6 Ga. Wires
Minimum of 1 #10 Ga. &
1 #12 Ga. Wires
Max. of 1 #6 Ga. & 2 #8 Ga.

15705
Yellow
Joins 22-12 Ga. Wires
Minimum of 2 #18 Ga. Wires
Maximum of 2 #12 Ga. Wires

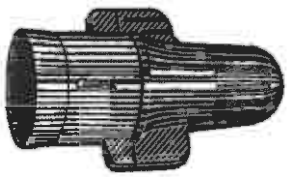
UNIT PACKAGE: 50

15706
Red

Joins 20-8 Ga. Wires
Min. of 2 #16 Ga. Wires
Max. of 4 #12 Ga. Wires

UNIT PACKAGE: 50

Wing Wire Connectors
UL Approved



Combines both the wide range and torque of wing-style connectors with a new flexible skirt that provides over-strip protection without taking additional space in the electrical box.

18312
Orange & Blue

Joins from two 22 ga.
to two 12 ga. wires

UNIT PACKAGE: 25

GRAYSON INDUSTRIES, INC.

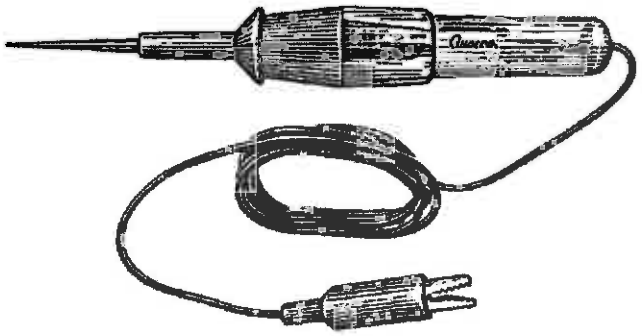
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Circuit Tester & Wire Loom

Circuit Tester

For Troubleshooting DC Primary Circuits On 6 & 12 Volt Vehicles



16420

UNIT PACKAGE: 1

Use to Check:

- Lighting Systems
- Wipers
- Horn
- Electric Clock,
- Windows, Locks
- Fuses
- Relays

Features:

- 4 Feet of Wire
- Mechanical Strain Relief
- Impact & Chemical Resistant Housing
- 8" Long Probe/Housing
- Super Sharp Probe, Tempered To Last
- 2" Long Alligator Clip

Wire Loom

(Split Flexible Tubing)
Can withstand Maximum Temperature of 345°F



I.D. 1/4" - O.D. 3/8"
Nylon 6 - Black

14197 10' Length
14201 50' Length (Bulk)



I.D. 3/8" - O.D. 9/16"
Nylon 6 - Black

14198 10' Length
14202 50' Length (Bulk)



I.D. 1/2" - O.D. 11/16"
Nylon 6 - Black

14199 10' Length
14203 50' Length (Bulk)



I.D. 5/8" - O.D. 13/16"
Nylon 6 - Black

20536 50' Length



I.D. 3/4" - O.D. 15/16"
Nylon 6 - Black

14200 10' Length
14204 50' Length (Bulk)



I.D. 1" - O.D. 1-1/8"
Nylon 6- Black

18194 25' Length

GRAYSON INDUSTRIES, INC.

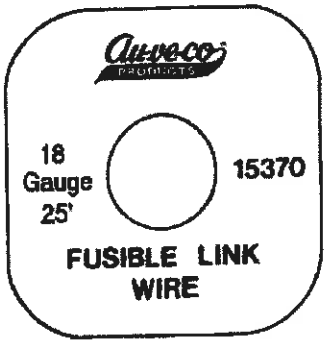
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Fusible Link Wire

SPOOLED FUSIBLE LINK WIRE

The lower the gauge number, the thicker the wire (i.e. 10 ga. is thicker than 16 ga.)



A fusible link is a special section of low tension cable installed by an OEM and designed to open a circuit when subjected to extreme current overload. Its purpose is to minimize wiring system damage when such an overload accidentally occurs in those circuits protected by the fusible link. A short circuit causes the fusible link to act as an element in a "slow-blow" fuse. A fusible link is not intended to be used in place of a fuse but only where a fuse cannot be economically employed. Our fusible line wire meets the requirements of SE J-156 and the insulation has the characteristics as listed for EAE, SE J-1128 Type SXL. The vehicle manufacturer should be consulted about questions on fusible link length and size. General practice has been for a fusible link to be 4 gauges smaller than the circuit wire. Example: if the circuit wire is 12 gauge, use a 16 gauge fusible link. Final determination should be based on O.E.M. application.

Note: Extreme care should be taken to always replace a fusible link with the same gauge and length as installed by the manufacturer.

Auveco Part No.	Gauge	Color*	Length	Replaces	Unit Pkg.
18773	20	Gray or Rust	25 Ft.	GM: 6292997	1 Spool
15370	18	Blue or Rust	25 Ft.	GM: 6293702	1 Spool
15371	16	Black or Rust	25 Ft.	GM: 6292996	1 Spool
15372	14	Gray or Rust	25 Ft.	GM: 6292995	1 Spool
16935	12	Blue or Rust	25 Ft.	GM: 6293923	1 Spool
18193	10	Rust	25 Ft.	GM: 12077140	1 Spool
20484	8	Black or Rust	25 Ft.		1 Spool

*Color may vary at manufacturer's option.

Universal Fusible Links

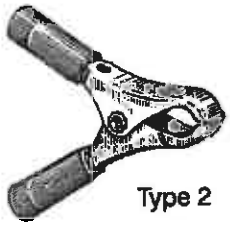


Auveco Part No.	Gauge	Length	Replaces	Unit Pkg.
12627	18	9"	Chry: 3843392 & other 18 Ga. links	5
12628	16	9"	GM: 6292996, 8903489 Ford D3AZ-14526-E & other 16 Ga. links	5
12629	14	9"	GM: 6292995, 8903488 Ford D3AZ-14526D & other 14 Ga. links	5
17465	12	9"	GM: 6293923	5
17464	10	9"	GM: 12077140	5

Test Clips



Type 1



Type 2

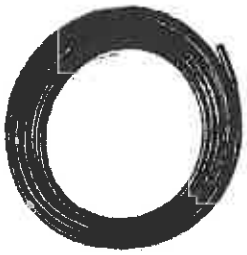
Auveco Part No.	Type	Description	Unit Pkg.
20478	1	10 Amp, Alligator Clip, Nickel Plated, 2" Long	5
16969	2	10 Amp, Red Insulation, 2-1/4" Long	5
16970	2	10 Amp, Black Insulation, 2-1/4" Long	5
16971	2	1 Each of 16969 & 16970	1 Pair
16972	2	30 Amp, Red Insulation, 3" Long	5
16973	2	30 Amp, Black Insulation, 3" Long	5
16974	2	1 Each of 16972 & 16973	1 Pair
16975	2	50 Amp, Red Insulation, 3" Long	5
16976	2	50 Amp, Black Insulation, 3" Long	5
16977	2	1 Each of 16975 & 16976	1 Pair

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Battery Cable





Auveco Part No.	Gauge	Stranding	O.D.	Unit Pkg.
11392	4	49 x 21	.375	25' Roll
13850	1/0	133 x 21	.530	25' Roll
13851	2/0	133 x 20	.590	25' Roll

Bare Copper Standard Conductor, covered with tough black Polyvinyl Chloride insulation. The thick jacket is easy to strip, resistant to moisture, weather, oil and acids.



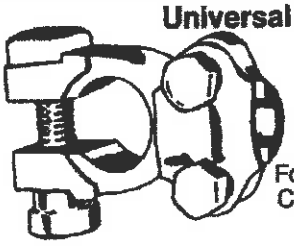
Solderless Battery Cable Terminals

Tin Plated Copper

Auveco Part No.	Cable Size	Post Size	Unit Pkg.
11360	No. 6 AWG	Universal	2
11361	No. 4 AWG	Universal	2
11362	No. 1 AWG	Positive	2
11363	No. 1 AWG	Negative	2
11364	No. 1/0 AWG	Positive	2
11365	No. 1/0 AWG	Negative	2
11366	No. 2/0 AWG	Positive	2
11367	No. 2/0 AWG	Negative	2
15858	No. 3/0 AWG	Positive	2
15859	No. 3/0 AWG	Negative	2

Note: Use w/ Auveco Tool No. 7996 or 7997

Universal Battery Terminal



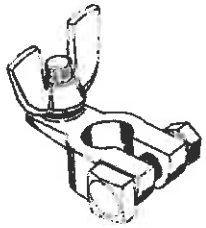
9948

For Positive & Negative Posts
Cable Range 8 thru 2/0 AWG

UNIT PACKAGE: 2

Marine Battery Terminals

Lead Plated Brass Terminal
Nickel Plated Grade 2 Steel Wing Nut
Zinc Plated Grade 2 Steel Bolt & Nut



8772
For Positive Posts
3/8"-16 Stud

UNIT PACKAGE: 5

8773
For Negative Posts
5/16"-18 Stud

UNIT PACKAGE: 5

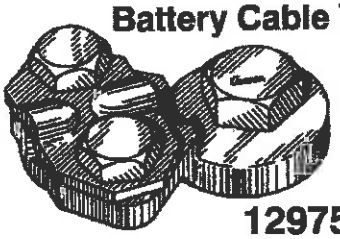
Engine Ground & Bonding Strap



19499

Replacement for body to engine block straps. Solves light dimming problems by grounding charging system. Also reduces radio noise. Copper braided wire with tin-plated brass ring terminals. 8" long. 10 Gauge. 5/16" - 3/8" stud size ring terminal.

Universal Side Mount Battery Cable Terminal

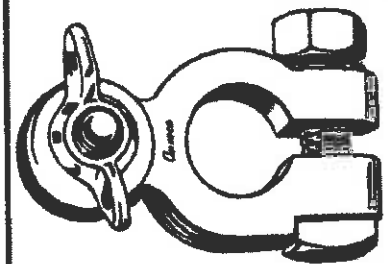


12975

Fits all small diameter cables - both positive and negative.

UNIT PACKAGE: 2

All Lead Terminal



10808

Zinc Plated Steel Bolt & Nuts
5/16"-18 Stud

UNIT PACKAGE: 2

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

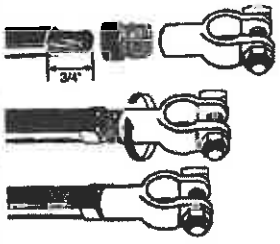
Battery Cable & Terminals

COMPRESSION BATTERY CABLE TERMINALS

All clamps and lugs are made of cast copper • All clamps, lugs and fasteners are tin plated

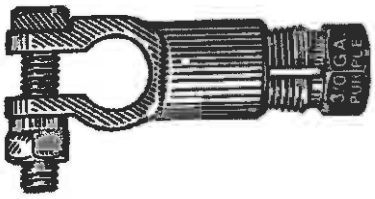
Assemble with common hand tools.





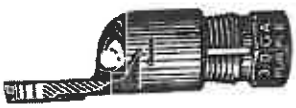
Three Easy Steps

1. Strip 3/4" of insulation from the end of the cable. Insert bared wire into the compression nut.
2. Thread terminal on compression nut.
3. Grip compression nut with wrench and turn the terminal until the compression nut seats. With larger gauges you may want to hold the terminal in a vise.



Straight Clamp

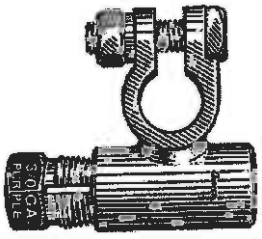
Auveco Part No.	Cable Gauge	Desc.	Color	Unit Pkg.
15602	4	Neg.	Gray	2
15603	4	Pos.	Gray	2
15604	1&2	Neg.	Green	2
15605	1&2	Pos.	Green	2
15606	1/0	Neg.	Black	2
15607	1/0	Pos.	Black	2
15608	2/0	Neg.	Orange	2
15609	2/0	Pos.	Orange	2
15610	3/0	Neg.	Purple	2
15611	3/0	Pos.	Purple	2





Heavy Wall Copper Lug

Auveco Part No.	Cable Gauge	Hole Size	Color	Unit Pkg.
15618	4	3/8"	Gray	2
15619	1&2	3/8"	Green	2
15620	1/0	3/8"	Black	2
15621	1/0	1/2"	Black	2
15622	2/0	3/8"	Orange	2
15623	2/0	1/2"	Orange	2
15624	3/0	3/8"	Purple	2
15625	3/0	1/2"	Purple	2



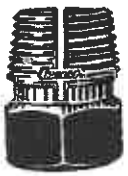
Flag Clamp

Auveco Part No.	Cable Gauge	Desc.	Color	Unit Pkg.
15612	1/0	Neg.	Black	2
15613	1/0	Pos.	Black	2
15615	2/0	Pos.	Orange	2



Stud/Side Terminal

Auveco Part No.	Cable Gauge	Color	Unit Pkg.
15626	4	Gray	2
15628	1/0	Black	2
15630	3/0	Purple	2



Compression Nut

Auveco Part No.	Cable Gauge	Color	Unit Pkg.
15632	2/0	Orange	5

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.



Top Stud Battery Terminals (Crimp Type Battery Rings)

100% Pure Copper w/Tin Plating • Fully Annealed
A single, double or 3-way connection can be made by stacking parts.

UNIT PACKAGE: 5

Auveco Part No.	Cable Size	Length	Stud Size
12767	4 Ga.	1-1/2"	3/8"
12768	2 Ga.	1-3/4"	3/8"
12769	1 Ga.	1-3/4"	3/8"
12770	1/0 Ga.	2"	3/8"
14464	2/0 Ga.	2"	3/8"
14465	3/0 Ga.	2"	3/8"
14466	4/0 Ga. .559 I.D.	2-1/4"	3/8"
14467	■4/0 Ga. .625 I.D.	2-1/2"	3/8"

■For Rope Stranded 4/0 Cable (most common construction)



Copper Battery Cable Lugs

Auveco Part No.	Cable Size	Stud Size	Unit Pkg.
5794	4 Ga.	3/8"	25
11463	4 Ga.	5/16"	25
11464	2 Ga.	3/8"	10
11465	1 Ga	3/8"	10
5795	1 Ga.	3/8"	25
5796	1/0 Ga.	3/8"	25
8771	1/0 Ga.	1/2"	10
11466	2/0 Ga.	3/8"	10
11467	2/0 Ga.	1/2"	10
11468	3/0 Ga.	1/2"	10

Use Auveco No. 7996 or No. 7997 Crimping Tool



Butt Connector (Double Flared)

Pure Copper with Tin Plating
Applications: Field or shop splicing of battery cables and welding cables.

Auveco Part No.	Cable Size	Length	Unit Pkg.
11724	6 Ga.	1"	10
11725	4 Ga.	1-1/4"	10
11726	2 Ga.	1-1/4"	10
11727	1 Ga.	1-3/8"	5
11728	1/0 Ga.	1-1/2"	5
11729	2/0 Ga.	1-3/4"	5
11731	4/0 Ga.	1-7/8"	2

Use Auveco Crimping Tool No. 7997

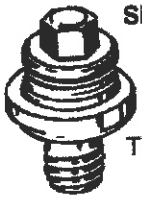


Brass Side Terminal Battery Bolt & Connector

15184

3/8-16 Thread
Overall Length: 1-1/4"

UNIT PACKAGE: 1



Zinc Plated Battery Side Terminal Bolt

11083
(8917444)

Thread Size 3/8-16
Overall Length: 1-1/8"
GM

UNIT PACKAGE: 10



19199
(12004188)
Zinc

Battery
Side Terminal Bolt
Thread Size: 3/8"-16
Overall Length: 1-3/4"
GM

UNIT PACKAGE: 5





Battery Terminal Bolt & Nut

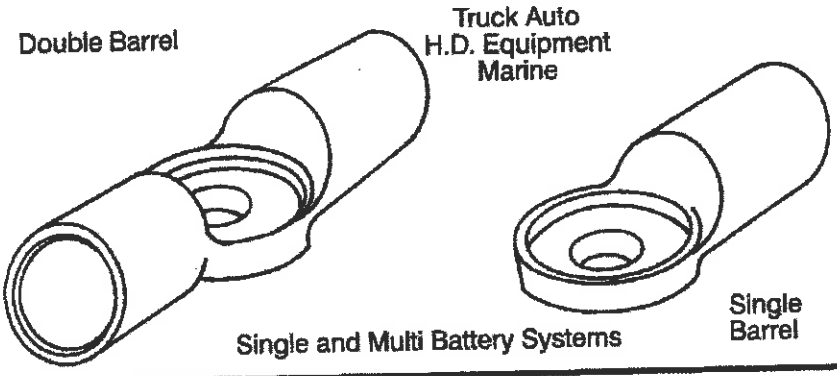
Zinc Chromate

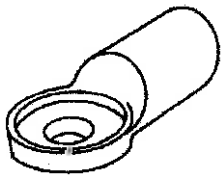
Auveco Part No.	Size		Unit Pkg.
3186	5/16"-18 x 1-1/4"	Bolt W/Collared Nut	100
8003	5/16"-18 x 1-1/4"	Bolt W/Hex Nut	50
8870	5/16"-18 x 1-1/2"	Bolt W/Collared Nut	100
14974	5/16"-18 x 1-1/4"	Bolt Only	50
14975	5/16"-18	Collared Nut Only	50

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

BATTERY TERMINALS

Heavy Duty Battery Cable Terminal Ends For Stud-Type Batteries

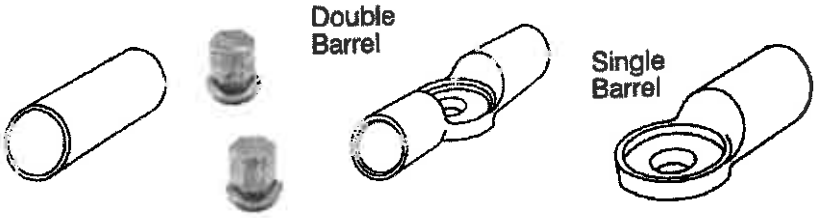




3/8 Stud Size
Copper/Plated

Auveco Part No.	Cable Size	Unit Pkg.
13810	1/0	2
13811	2/0	2
13812	3/0	2

Cable Terminal End Kits in 1 and 3/0 Sizes



Each Kit Contains The Following:

2 crimpable, copper terminals
2 battery terminal nuts
1 piece of red (+) heat-shrink tubing
1 piece of black (-) heat shrink tubing

13817

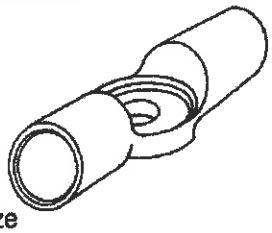
1/0 Cable Size
2 - Auveco 13810 - Single Barrel
Nuts/Shrink Tubing

UNIT PACKAGE: 1 Kit

13822

3/0 Cable Size
2 - Auveco 13815 - Double Barrel
Nuts / Shrink Tubing

UNIT PACKAGE: 1 Kit



3/8 Stud Size
Copper/Plated

Auveco Part No.	Cable Size	Unit Pkg.
13814	2/0	1
13815	3/0	1

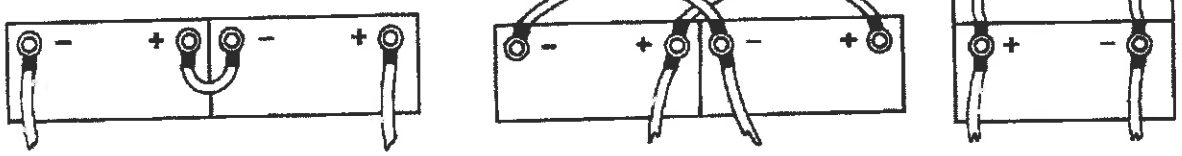


13816

Battery Hold Down Nuts
3/8-16
Stainless Steel
(18-8)

UNIT PACKAGE: 4

Suggested Terminal Assemblies



GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

HEAT SHRINK TUBING

Made In The U.S.A.



Black Thin Wall Heat Shrink Tubing

- 2 To 1 Shrink Ratio
- Highly Flame Retardant (VW-1)
- Cross linked Polyolefin
- UL Listed & CSA Certified

Auveco Part No.	Size	Pre-Shrink I.D.	Post-Shrink I.D.	Length	Unit Pkg.
18693	3/64"	.046"	.023"	6"	25
18694	1/16"	.063"	.031"	6"	25
18695	3/32"	.093"	.046"	6"	25
18696	1/8"	.125"	.062"	6"	25
18697	3/16"	.187"	.093"	6"	25
18698	1/4"	.250"	.125"	6"	25
18699	3/8"	.375"	.187"	6"	15
18700	1/2"	.500"	.250"	6"	15
18701	3/4"	.750"	.375"	6"	10
18702	1"	1.00"	.500"	6"	10
18703	1-1/2"	1.50"	.750"	6"	5
18704	2"	2.00"	1.00"	6"	5

Adhesive Lined Heat Shrink Tubing

- 4.5 To 1 Shrink Ratio
- Cross linked, Semi-Rigid Polyolefin Outer Jacket
- Hot-Melt Adhesive Inner Wall Adheres To All Major Types Of Wire
- Environmentally Seals & Insulates
- Meets O.E.M. Specs: Ford: ESB M99 D56 A1 Chrysler: MS-DB56

Auveco Part No.	Pre-Shrink I.D.	Post-Shrink I.D.	Length	Color	Unit Pkg.
18705	.225"	.050"	3-1/2"	Black	10
18706	.293"	.065"	3-1/2"	Black	10
18707	.427"	.095"	3-1/2"	Black	10
18708	.700"	.175"	3-1/2"	Black	5

Dual Wall Self-Sealing Heat Shrink Tubing

- Provides Waterproofing & Environmental Protection & Strain Relief Properties

Auveco Part No.	Size	Pre-Shrink I.D.	Post-Shrink I.D.	Length	Color	Unit Pkg.
16665	22-14 Ga.	.188"	.062"	12"	Black	4
16666	12-10 Ga.	.250"	.083"	12"	Black	4
18733	14-10 Ga.	.400"	.150"	6"	Black	4
19102	14-10 Ga.	.400"	.150"	6"	Black	25
18734	14-10 Ga.	.400"	.150"	6"	Red	4
19103	14-10 Ga.	.400"	.150"	6"	Red	25
18735	8-1 Ga.	.750"	.220"	6"	Black	4
19104	8-1 Ga.	.750"	.220"	6"	Black	25
18736	8-1 Ga.	.750"	.220"	6"	Red	4
19105	8-1 Ga.	.750"	.220"	6"	Red	25
18737	2-4/0 Ga.	1.100"	.375"	6"	Black	4
19106	2-4/0 Ga.	1.100"	.375"	6"	Black	25
18738	2-4/0 Ga.	1.100"	.375"	6"	Red	4
19107	2-4/0 Ga.	1.100"	.375"	6"	Red	25

Part No. 18887



Six inch lengths of black thin wall, cross linked polyolefin, heat shrink tubing in a durable translucent polypropylene box. The tubing has 2:1 shrink ratio.

Part No.	Qty.	Size	Pre-Shrink I.D.	Post-Shrink I.D.
18697	36	3/16"	.187"	.093"
18698	24	1/4"	.250"	.125"
18699	12	3/8"	.375"	.187"
18700	6	1/2"	.500"	.250"
18701	4	3/4"	.750"	.375"
18702	4	1"	1.00"	.500"

UNIT PACKAGE: 1

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

BRASS FITTINGS

Inverted Flare Fittings



Inverted Nut (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
30	3/16"	10
31	1/4"	10
32	5/16"	10
33	3/8"	10
34	1/2"	10



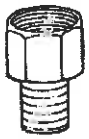
Inverted Nut (Steel)

Auveco Part No.	Tube Size	Unit Pkg.
35	1/8"	10
36	3/16"	10
37	1/4"	10
38	5/16"	10
39	3/8"	10
40	1/2"	10



Steel Plug

Auveco Part No.	Tube Size	Unit Pkg.
45	3/16"	10
46	1/4"	10
47	5/16"	10



Male Connector (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
49	1/8"	1/8"	5
50	3/16"	1/8"	5
51	1/4"	1/8"	5
52	5/16"	1/8"	5
53	3/8"	1/4"	5
54	1/2"	3/8"	5



Union (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
68	1/8"	5
69	3/16"	5
70	1/4"	5
72	3/8"	5
73	1/2"	5



90° Male Elbow (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
74	1/8"	1/8"	5
75	3/16"	1/8"	5
76	1/4"	1/8"	5
77	5/16"	1/8"	5
78	3/8"	1/4"	5
79	1/2"	3/8"	5



45° Male Elbow (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
90	3/16"	1/8"	5
91	1/4"	1/8"	5



Male Branch (Brass)

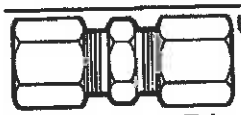
Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
96	3/16"	1/8"	5
97	1/4"	1/8"	5

Compression Fittings



Sleeve (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
101	1/8"	25
102	3/16"	25
103	1/4"	25
104	5/16"	25
105	3/8"	25
106	7/16"	10
107	1/2"	10
108	5/8"	10
109	3/4"	10



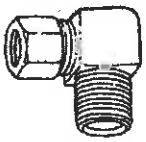
Union: (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
150	1/8"	5
151	3/16"	5
152	1/4"	5
153	5/16"	5
154	3/8"	5
155	1/2"	5



Nut (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
110	1/8"	10
111	3/16"	10
112	1/4"	10
113	5/16"	10
114	3/8"	10
115	7/16"	10
116	1/2"	10



Male Elbow (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
158	1/8"	1/8"	5
159	3/16"	1/8"	5
160	1/4"	1/8"	5
161	1/4"	1/4"	5
162	5/16"	1/8"	5
163	5/16"	1/4"	5
164	3/8"	1/8"	5
165	3/8"	1/4"	5
166	3/8"	3/8"	5
167	1/2"	3/8"	5
168	1/2"	1/2"	5

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

BRASS FITTINGS

Compression Fittings (continued)



Male Connector (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
119	1/8"	1/8"	5
120	3/16"	1/8"	5
121	1/4"	1/8"	5
122	1/4"	1/4"	5
123	5/16"	1/8"	5
124	5/16"	1/4"	5
125	3/8"	1/8"	5
126	3/8"	1/4"	5
127	3/8"	3/8"	5
128	1/2"	3/8"	5



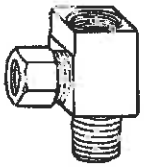
Male Run Tee (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
172	1/4"	1/8"	5
173	5/16"	1/8"	5



Male Branch Tee (Brass)

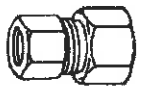
Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
181	3/16"	1/8"	5
182	1/4"	1/8"	5
183	5/16"	1/8"	5
185	1/2"	3/8"	5



Adapter Tee (Brass)

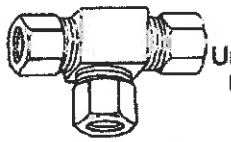
Auveco Part No.	Tube Size	Ext. Pipe Thd.	Int. Pipe Thd.
177	3/16"	1/8"	1/8"
178	1/4"	1/8"	1/8"

UNIT PACKAGE: 5



Female Connector (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
134	1/8"	1/8"	5
135	3/16"	1/8"	5
136	1/4"	1/8"	5
137	5/16"	1/8"	5



Union Tee (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
186	3/16"	5
187	1/4"	5
188	5/16"	5
189	3/8"	5

For an Assortment of Compression Fittings, see Fix-Kit No. 6119.

Double Compression (Threaded Sleeve) Fittings



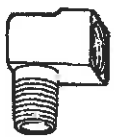
Nut (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
192	1/8"	10
193	3/16"	10
194	1/4"	10



Male Connector (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
198	1/8"	1/8"	5
199	3/16"	1/8"	5
200	1/4"	1/8"	5
201	5/16"	1/8"	5



Male Elbow (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
205	1/8"	1/8"	5
206	3/16"	1/8"	5
207	1/4"	1/8"	5
208	5/16"	1/8"	5

S.A.E. 45° Flared Tube Fittings



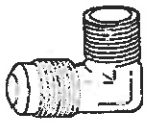
SE Flare Nut (Long) (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
211	3/16"	5
212	1/4"	5
213	5/16"	5
214	3/8"	5



SE Flare Nut (Short) (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
219	1/8"	5
221	1/4"	5
222	5/16"	5
223	3/8"	5
224	1/2"	5



Male Elbow (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
228	1/8"	1/8"	5
229	3/16"	1/8"	5
230	1/4"	1/8"	5
231	1/4"	1/4"	5
232	5/16"	1/8"	5
233	5/16"	1/4"	5
234	3/8"	1/4"	5
235	3/8"	1/8"	5
236	3/8"	3/8"	5

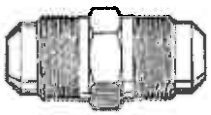
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

BRASS FITTINGS

S.A.E. 45° FLARED TUBE FITTINGS (continued)



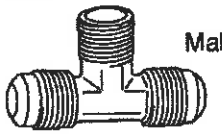
Union (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
243	3/16"	5
244	1/4"	5
245	5/16"	5
246	3/8"	5
247	1/2"	5



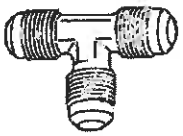
Female Connector (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
250	3/16"	1/8"	5
251	1/4"	1/8"	5
252	1/4"	1/4"	5
253	5/16"	1/8"	5
254	5/16"	1/4"	5
255	3/8"	1/4"	5
256	3/8"	1/8"	5



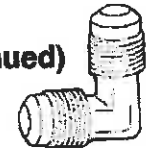
Male Branch Tee (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
277	3/16"	1/8"	5
278	1/4"	1/8"	5
280	3/8"	1/4"	5



Union Tee (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
284	1/4"	5



Elbow - Union (Brass)

Auveco Part No.	Tube Size	Unit Pkg.
273	1/4"	5



Male Connector (Brass)

Auveco Part No.	Tube Size	Pipe Thread	Unit Pkg.
260	3/16"	1/8"	5
261	1/4"	1/8"	5
262	1/4"	1/4"	5
263	5/16"	1/8"	5
264	5/16"	1/4"	5
265	3/8"	1/4"	5
266	3/8"	1/8"	5
267	3/8"	3/8"	5
268	1/2"	3/8"	5
269	1/2"	1/2"	5

Pipe Fittings



Cap (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
287	1/8"	5
288	1/4"	5



Slotted Plug (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
289	1/8"	5
290	1/4"	5



Square Head Plug (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
291	1/8"	5
292	1/4"	5
293	3/8"	5
294	1/2"	5



Hex Head Plug (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
295	1/8"	5
296	1/4"	5
297	3/8"	5
298	1/2"	5



Bushing (Brass)

Auveco Part No.	Ext. Pipe Thd.	Int. Pipe Thd.	Unit Pkg.
299	1/4"	1/8"	5
300	3/8"	1/8"	5
301	3/8"	1/4"	5
302	1/2"	1/8"	5
303	1/2"	1/4"	5
304	1/2"	3/8"	5



Close Nipple (Brass)

Auveco Part No.	Lgth.	Pipe Thread	Unit Pkg.
305	3/4"	1/8"	5
306	7/8"	1/4"	5
307	1"	3/8"	5
308	1-1/8"	1/2"	5



Long Nipple (Brass)

Auveco Part No.	Lgth.	Pipe Thread	Unit Pkg.
309	1-1/2"	1/8"	5
310	2"	1/8"	5
311	2-1/2"	1/8"	5
312	3"	1/8"	5
313	1-1/2"	1/4"	5
314	2"	1/4"	5
315	2-1/2"	1/4"	5

Refer to page 226 for Pipe Thread Identification

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

BRASS FITTINGS

Pipe Fittings (continued)



Hex Nipple (Brass)

Auveco Part No.	Pipe Thd. A	Pipe Thd. B	Unit Pkg.
316	1/8"	1/8"	5
317	1/4"	1/4"	5
318	1/4"	1/8"	5
319	3/8"	3/8"	5
320	3/8"	1/8"	5
321	3/8"	1/4"	5
322	1/2"	1/2"	5



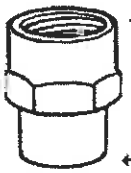
Adaptor (Brass)

Auveco Part No.	Pipe Thd. A	Pipe Thd. B	Unit Pkg
325	1/8"	1/8"	5
326	1/4"	1/8"	5
327	1/4"	1/4"	5
328	3/8"	1/4"	5
329	3/8"	3/8"	5
330	1/2"	3/8"	5



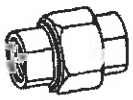
Coupling (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
331	1/8"	5
332	1/4"	5
333	3/8"	5
334	1/2"	5



Reducing Coupling (Brass)

Auveco Part No.	Pipe Thd. A	Pipe Thd. B	Unit Pkg.
335	1/4"	1/8"	5
336	3/8"	1/8"	5
337	3/8"	1/4"	5
339	1/2"	3/8"	5



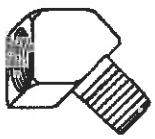
Union (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
340	1/8"	5
341	1/4"	5



90° Street Elbow (Brass)

Auveco Part No.	Int. Pipe Thd.	Ext. Pipe Thd.	Unit Pkg.
342	1/8"	1/8"	5
343	1/4"	1/4"	5
344	3/8"	3/8"	5
345	1/4"	1/8"	5



45° Street Elbow (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
347	1/8"	5
348	1/4"	5
349	3/8"	5



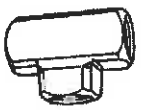
90° Pipe Elbow (Brass)

Auveco Part No.	Int. Pipe Thd.	Ext. Pipe Thd.	Unit Pkg.
350	1/8"	1/8"	5
351	1/4"	1/4"	5
352	3/8"	3/8"	5



Cross (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
353	1/8"	5
354	1/4"	5



Tee (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
355	1/8"	5
356	1/4"	5
357	3/8"	5



Male Branch Tee (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
358	1/8"	5



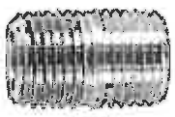
Street Tee (Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
359	1/8"	5
360	1/4"	5

Pipe Thread Identification



1/8"



1/4"



3/8"



1/2"

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

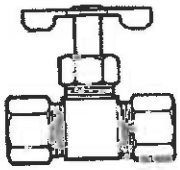
BRASS FITTINGS

Drain Cocks and Valves



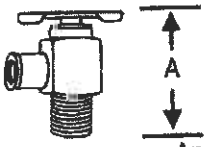
External Seat
(Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
370	1/8"	5
371	1/4"	5
372	3/8"	5



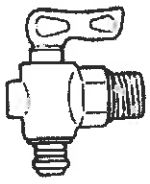
Compression Line
(Brass)

Auveco Part No.	Tube Size	Unit Pkg.
385	1/4"	3
386	5/16"	3



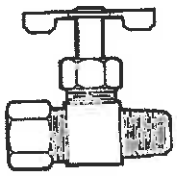
Angle Bib Drain
(Brass)

Auveco Part No.	Pipe Thd.	A	Unit Pkg.
374	1/4"	1-11/16"	5



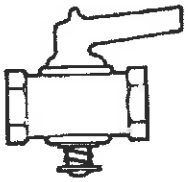
Ground Plug Drain
(Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
405	1/8"	5
406	1/4"	5
407	3/8"	5



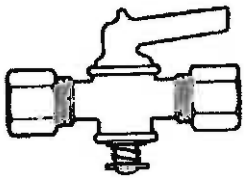
Compression Straightway
(Brass)

Auveco Part No.	Tube Size	Pipe Thd.	Unit Pkg.
412	3/8"	1/4"	5



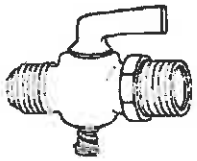
Female Pipe
Ground Plug Line
(Brass)

Auveco Part No.	Pipe Thread	Unit Pkg.
399	1/8"	3
401	1/4"	3



Compression Line
Ground Plug
(Brass)

Auveco Part No.	Tube Size	Unit Pkg.
389	5/16"	3



SE Straightway
(Ground Plug)
(Brass)

Auveco Part No.	Tube Size	Pipe Thd.	Unit Pkg.
394	3/8"	1/4"	3



SE Angle
(Brass)

Auveco Part No.	Tube Size	Pipe Thd.
395	1/4"	1/8"
398	3/8"	1/4"

UNIT PACKAGE: 3



Multiple Shut-Off Valves
Stem Short
(Brass)

Auveco Part No.	Desc.
404	3 Way 1/4 Female3 Ends

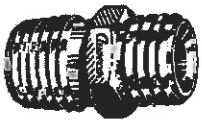
UNIT PACKAGE: 1

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

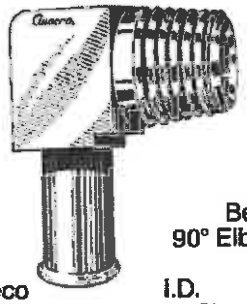
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

BRASS FITTINGS



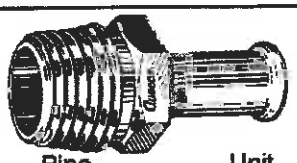
Ball End
Joint Adapter To
Taper Male Pipe

Auveco Part No.	Male N.P.S. Thread	Male N.P.T. Thread	Unit Pkg.
445	1/4"	1/4"	10
447	3/8"	3/8"	5
448	1/2"	3/8"	5



Beaded Hose Barb
90° Elbow Tube To Male Pipe

Auveco Part No.	I.D. Hose Size	Pipe Thread	Unit Pkg.
461	1/2"	3/8"	3
462	5/8"	1/4"	3
463	5/8"	3/8"	3
464	5/8"	1/2"	3
465	3/4"	1/2"	2



Beaded Hose Barb
Tube To Male Pipe

Auveco Part No.	I.D. Hose Size	Pipe Thread	Unit Pkg.
413	3/8"	3/8"	5
414	1/2"	1/4"	5
415	1/2"	3/8"	5
416	5/8"	3/8"	5
417	5/8"	1/2"	5
418	3/4"	1/2"	5



Hose Barb To
Taper Male Pipe

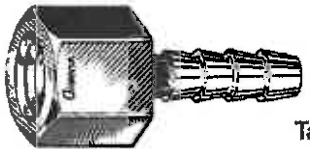
Auveco Part No.	I.D. Hose Size	Pipe Thread	Unit Pkg.
424	3/16"	1/8"	10
425	1/4"	1/8"	10
426	1/4"	1/4"	10
427	1/4"	3/8"	5
428	5/16"	1/8"	10
429	5/16"	1/4"	5
430	3/8"	1/8"	10
431	3/8"	1/4"	10
432	3/8"	3/8"	5
433	1/2"	1/4"	5
434	1/2"	3/8"	5
435	1/2"	1/2"	5



Barbed Hose Coupler

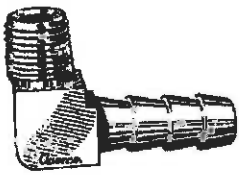
Auveco Part No.	I.D. Hose Size	Overall Length	Unit Pkg.
*419	3/16"	1.44"	5
420	1/4"	2.00"	5
421	5/16"	2.00"	5
422	3/8"	2.00"	5
423	1/2"	2.00"	5

* 3 Barb Design



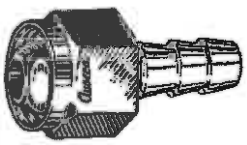
Hose Barb To
Taper Female Pipe

Auveco Part No.	I.D. Hose Size	Pipe Thread	Unit Pkg.
437	1/4"	1/4"	5
438	5/16"	1/4"	5
439	3/8"	1/8"	5
440	3/8"	1/4"	5
441	3/8"	3/8"	5
442	1/2"	3/8"	5
443	1/2"	1/2"	5



Hose Barb 90° Elbow
Tube To Male Pipe

Auveco Part No.	I.D. Hose Size	Pipe Thread	Unit Pkg.
455	1/4"	1/8"	5
456	1/4"	1/4"	5
457	3/8"	1/4"	5

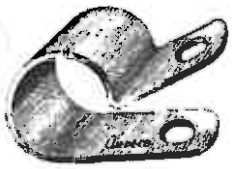


Hose Barb To
Swivel Female Ball End

Auveco Part No.	I.D. Hose Size	Female N.P.S. Thd.	Unit Pkg.
454	1/2"	1/2"	5

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

TUBING CLAMPS



Natural Nylon Tubing Clamps

Auveco Part No.	Hole Dia.	Width	Tube Dia.	Unit Pkg.
15525	3/16"	3/8"	1/8"	50
15526	3/16"	3/8"	3/16"	50
9246	3/16"	3/8"	1/4"	25
9247	3/16"	3/8"	5/16"	25
9248	3/16"	3/8"	3/8"	25
9249	3/16"	3/8"	1/2"	25
9250	3/16"	1/2"	5/8"	25
9251	3/16"	1/2"	3/4"	25
9252	3/16"	1/2"	1"	25

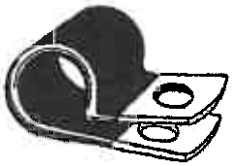
Steel Clamps With Neoprene Jacket



Zinc Plated

UNIT PACKAGE: 10

Auveco Part No.	Tube Size	Band Width	Mounting Hole Diameter
20502	1/4"	1/2"	17/64"
20503	3/8"	1/2"	17/64"
20504	1/2"	1/2"	17/64"
20505	5/8"	1/2"	17/64"
20506	3/4"	1/2"	17/64"
20507	7/8"	1/2"	17/64"
20508	1"	1/2"	17/64"
20509	1-1/4"	1/2"	17/64"
20510	1-1/2"	1/2"	17/64"
20511	1-3/4"	1/2"	17/64"
20512	2"	1/2"	17/64"



Aluminum Tubing Clamps

Plain Aluminum & Vinyl (PVC) Dipped

Vinyl Dipped Aluminum

Auveco Part No.	Hole Dia.	Width	Tube Dia.	Unit Pkg.
17361	5/32"	3/8"	1/4"	15
17362	5/32"	3/8"	5/16"	15
17363	5/32"	3/8"	3/8"	15
17364	5/32"	3/8"	1/2"	15
17365	5/32"	3/8"	5/8"	15
17366	5/32"	1/2"	3/4"	15
17367	5/32"	1/2"	7/8"	15
17368	5/32"	1/2"	1"	15

Plain Aluminum

Auveco Part No.	Hole Dia.	Width	Tube Dia.	Unit Pkg.
17369	5/32"	3/8"	1/4"	50
17370	5/32"	3/8"	5/16"	50
17373	5/32"	3/8"	5/8"	50
17374	5/32"	1/2"	3/4"	25
17375	5/32"	1/2"	7/8"	25
17376	5/32"	1/2"	1"	50



Insulated "Half" Clamps

Galvanized

Coated With Black Vinyl (1/32" Thick)

Auveco Part No.	Inside Diameter	Hole Diameter	Center To Center	Hole Center To End	Top of Radius To Base	Gauge	Width	Unit Pkg.
10608	3/16"	7/32"	7/16"	1/4"	5/32"	.032	1/2"	25
10609	1/4"	7/32"	1/2"	1/4"	7/32"	.048	1/2"	25
10610	5/16"	9/32"	17/32"	5/16"	9/32"	.048	5/8"	25
10611	3/8"	9/32"	9/16"	5/16"	11/32"	.048	5/8"	25
10612	7/16"	9/32"	5/8"	5/16"	13/32"	.060	5/8"	25
10613	1/2"	9/32"	11/16"	5/16"	15/32"	.060	5/8"	25
10614	5/8"	9/32"	13/16"	5/16"	9/16"	.060	5/8"	25
10615	3/4"	9/32"	7/8"	5/16"	11/16"	.060	5/8"	25

GRAYSON INDUSTRIES, INC.

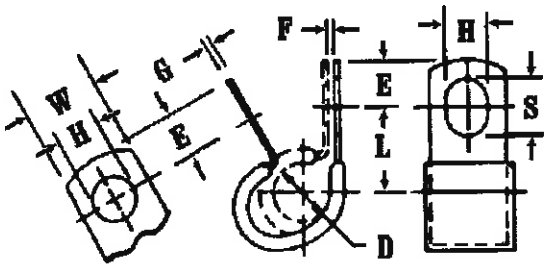
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

STEEL INSULATED CLOSED CLAMPS

Furnished Open
Galvanized
Coated With Black Vinyl (1/32" Thick)







UNIT PACKAGE: 25 PCS.

Auveco Part No.	D Inside Diameter	H Hole Diameter	L Center to Center	W Width	E Hole Center To End	F Gap	G Gauge	S Slot Length
Small Hole Clamps								
17087	3/16"	9/32"	1/2"	1/2"	5/16"	1/32"	.032"	3/8"
9381	1/4"	9/32"	17/32"	1/2"	5/16"	1/32"	.032"	3/8"
9382	5/16"	9/32"	9/16"	1/2"	5/16"	1/32"	.032"	3/8"
9383	3/8"	9/32"	19/32"	1/2"	5/16"	1/16"	.032"	3/8"
9384	1/2"	9/32"	21/32"	1/2"	5/16"	1/16"	.048"	3/8"
9385	5/8"	9/32"	23/32"	1/2"	5/16"	1/16"	.048"	3/8"
9386	3/4"	9/32"	25/32"	1/2"	5/16"	1/16"	.048"	3/8"
9387	7/8"	9/32"	27/32"	1/2"	5/16"	1/16"	.048"	3/8"
9388	1"	9/32"	29/32"	1/2"	5/16"	1/16"	.048"	3/8"
Large Hole Clamps								
10598	1/4"	13/32"	21/32"	3/4"	7/16"	1/32"	.032"	1/2"
10599	5/16"	13/32"	11/16"	3/4"	7/16"	1/32"	.032"	1/2"
10600	3/8"	13/32"	23/32"	3/4"	7/16"	1/16"	.032"	1/2"
10601	1/2"	13/32"	25/32"	3/4"	7/16"	1/16"	.048"	1/2"
10602	5/8"	13/32"	27/32"	3/4"	7/16"	1/16"	.048"	1/2"
10603	3/4"	13/32"	29/32"	3/4"	7/16"	1/16"	.048"	1/2"
10604	7/8"	13/32"	31/32"	3/4"	7/16"	1/16"	.048"	1/2"
10605	1"	13/32"	1-1/32"	3/4"	7/16"	1/16"	.048"	1/2"
10606	1-1/4"	13/32"	1-5/32"	3/4"	7/16"	1/16"	.048"	1/2"
10607	1-1/2"	13/32"	1-9/32"	3/4"	7/16"	1/16"	.048"	1/2"
17588*	1-3/4"	13/32"	1-13/32"	3/4"	7/16"	1/16"	.048"	1/2"
17589*	2"	13/32"	1-9/16"	3/4"	7/16"	1/16"	.048"	1/2"

* Unit Package: 10

Steel Uninsulated Closed Clamps Furnished Open

Galvanized
UNIT PACKAGE: 25 Pcs.

9389	1/4"	9/32"	1/2"	1/2"	5/16"	1/32"	.032"	3/8"
9391	3/8"	9/32"	9/16"	1/2"	5/16"	1/32"	.032"	3/8"

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

MISCELLANEOUS ITEMS

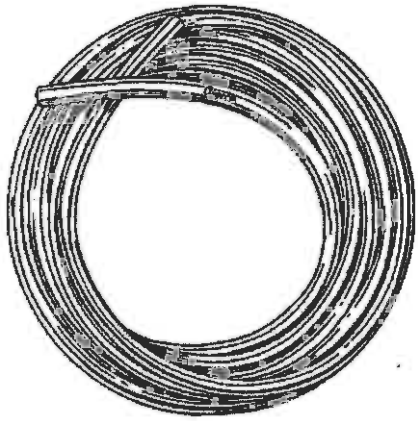




Shaft Collars

Precision machined from cold finished steel. Equipped with cup point socket set screws. Zinc plated finish.

Auveco Part No.	Bore (I.D.)	O.D.	Width	Set Screw Size	Unit Pkg.
15837	1/4"	1/2"	5/16"	#10 x 1/8"	5
15838	3/8"	3/4"	3/8"	1/4" x 3/16"	5
15839	1/2"	1"	7/16"	1/4" x 1/4"	5
15840	5/8"	1-1/8"	1/2"	5/16" x 1/4"	5
15841	3/4"	1-1/4"	9/16"	5/16" x 1/4"	5
15843	1"	1-5/8"	5/8"	5/16" x 5/16"	2
15844	1-1/4"	2"	11/16"	3/8" x 3/8"	2



Clear Flexible Vinyl (PVC) Tubing

Our tubing has a broad range of chemical resistance to acids, alkalies and solvents. It's ideal for use in industrial air pressure line applications, in the food industry (FDA approved), for potable water, and for various gases and chemicals. Not For Use With Gasoline.

Auveco Part No.	I.D.	O.D.	Wall Thickness	*Maximum Suggested Working Pressure (PSI @ 70° F)	Unit Package Quantity
14801	1/8"	1/4"	1/16"	59	100 Ft.
14802	3/16"	5/16"	1/16"	51	100 Ft.
14803	1/4"	3/8"	1/16"	51	100 Ft.
14804	5/16"	7/16"	1/16"	48	100 Ft.
14805	3/8"	1/2"	1/16"	41	100 Ft.
14806	3/8"	5/8"	1/8"	55	100 Ft.
14807	1/2"	5/8"	1/16"	28	100 Ft.
14808	1/2"	3/4"	1/8"	41	100 Ft.

*We recommend verification by testing of the size and material to be used.

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

WASHERS

Nord Lock Vibration Proof Lock Washers

For Use With Grade 5 & Grade 8 Bolts
Zinc & Yellow Chromate Plated




These washers have cams or wedges on one side, with a lead angle greater than a thread angle, and radial teeth or ribs on the other side. The washers are installed cam face to cam face. When tightening the fastener to preload, the teeth penetrate and seat against the joint material and the nut and/or fastener head. When subjected to vibration the interacting cams create a wedge action which prevents the fastener from vibrating loose.

Material: Carbon Steel
Hardness: Through Hardened: Min. 44HRC, Max. 51 HRC

Auveco Part No.	Bolt Size	O.D.	Unit Pkg.
19282	3/16" (5mm)	11/32"	50 (25 pr.)
19283	1/4" (6mm)	27/64"	50 (25 pr.)
19284	5/16" (8mm)	17/32"	50 (25 pr.)
19285	3/8" (10mm)	21/32"	50 (25 pr.)
19286	7/16" (11mm)	23/32"	30 (15 pr.)
19287	1/2"" (12mm)	49/64"	20 (10 pr.)
19288	9/16" (14mm)	29/32"	20 (10 pr.)
19289	5/8" (16mm)	1"	20 (10 pr.)
19290	3/4" (20mm)	1-7/32"	10 (5 pr.)
19291	1" (25mm)	1-17-32"	10 (5 pr.)

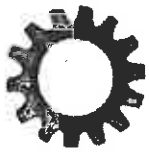
Nord Lock Vibration Proof Lock Washer Kit



Part No. 19313

The kit contains various quantities of the 10 different sizes (19282-19291) for a total of 156 nord lock washers in a durable translucent polypropylene box.

UNIT PACKAGE: 1



External Lock Washers

Zinc

Auveco Part No.	Bolt Size	O.D.	Unit Pkg.
5249	#4 (3/32")	1/4"	100
5250	#6 (1/8")	5/16"	100
5251	#8 (5/32")	3/8"	100
5252	#10 (3/16")	3/8"	100
5253	#12 (7/32")	15/32"	100
5254	#14 (1/4")	1/2"	100
5255	5/16"	19/32"	100
5256	3/8"	11/16"	100
5257	7/16"	3/4"	100
5258	1/2"	7/8"	100
16676	5/8"	1-1/32"	50
16677	3/4"	1-3/16"	50
16679	1"	1-9/16"	25



Internal Lock Washers

Zinc

Auveco Part No.	Bolt Size	O.D.	Unit Pkg.
5259	#4 (3/32")	1/4"	100
5260	#6 (1/8")	9/32"	100
5261	#8 (5/32")	5/16"	100
5262	#10 (3/16")	3/8"	100
5263	#12 (7/32")	13/32"	100
5264	#14 (1/4")	15/32"	100
5265	5/16"	19/32"	100
5266	3/8"	11/16"	100
5267	7/16"	25/32"	100
5268	1/2"	7/8"	100
16672	5/8"	1-1/16"	100
16673	3/4"	1-7/32"	50
16675	1"	1-19/32"	10



Countersunk External Lock Washers

Zinc

Auveco Part No.	Bolt Size	O.D.	Unit Pkg.
5270	#6 (1/8")	9/32"	100
5271	#8 (5/32")	5/16"	100
5272	#10 (3/16")	11/32"	100
5274	#14 (1/4")	7/16"	100

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

SPRINGS

Extension Springs

Zinc

Auveco Part No.	Unit Pkg.	Type	Length Overall	Coil Length	O.D.	Wire Size	Lbs Rate/ Inch	Approx. Lbs Load @ Reference Ext.
14057	5	3	10"	9.000"	.625"	.072"	2.1	8.8 @ 13"
14058	5	3	10"	9.250"	.500"	.062"	1.8	10.2 @ 12"
14059	5	2	6.438"	5.575	.438"	.048"	1.1	4.2 @ 8.437"
14060	5	1	6.500"	5.925"	.328"	.035"	7.5 oz.	2.2 @ 8.500"
14061	5	3	5.625"	4.975"	.547"	.080"	10.0	24 @ 7.625"
14062	5	1	5.750"	5.375"	.250"	.028"	7 oz.	1.6 @ 7.750"
14063	5	4	3.250"	2.750"	.375"	.041"	1.9	5.2 @ 5.250"
14064	5	1	4.00"	3.450"	.250"	.028"	13 oz.	1.9 @ 6.00"
14065	5	3	4.500"	3.575"	.484"	.063"	6.2	14 @ 6.500"
14066*	5	1	4.062"	2.750"	.734"	.062"	1.4	4.3 @ 6.062
14067	5	3	4.00"	2.825"	.719"	.105"	12.5	36.5 @ 5.00"
14068	10	6	5.250"	3.000"	.531"	.062"	5.0	8.5 @ 6.250
14069	5	5	2.594"	1.500"	.750"	.105"	46	29.5 @ 2.968"
14070	5	5	2.656"	1.500"	.750"	.080"	10.3	12.5 @ 3.656"
14072	10	3	1.438"	.825"	.344"	.048"	15.0	10 @ 1.812"
14074	10	3	1.125"	.700"	.234"	.020"	12.0	9 oz. @ 1.625"



Type 1



Type 2 (Double Loop On



Type 3



Type 4



Type 5



Type 6

* Not Zinc Plated

Universal Springs

Galvanized



14097



14099



14098



14100



14101



14102



14103



14104

Auveco Part No.	Unit Pkg.	Length Overall	Coil Length	O.D.	Wire Size
14097	10	11-1/2"	1-7/8"	13/32"	1/32"
14098	10	4-3/8"	2-1/2"	1/2"	1/16"
14099	10	1-13/16"	1-1/2"	3/8"	1/32"
14100	10	8-1/2"	1-7/8"	3/4"	3/32"
14101	10	5-3/4"	2-3/8"	25/32"	3/64"
14102	10	18-1/2"	2"	13/16"	3/32"
14103	10	17-1/2"	3-1/2"	3/4"	1/16"
14104	10	8-1/4"	2"	7/16"	1/16"

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

WIRE LOOM CLIPS
(ILLUSTRATIONS ACTUAL SIZE)

Vinyl (PVC) Cushion Clips Are Recommended For Underhood Or High Heat Applications



18161
Phosphate

Wire Loom Clips
With Vinyl (PVC) Cushion
Truck Body Frame

UNIT PACKAGE: 25



18160
Phosphate

Wire Loom Clips
With Vinyl (PVC) Cushion
Truck Body Frame

UNIT PACKAGE: 25



18162
Phosphate
Wire Loom Clips
With Vinyl (PVC) Cushion
Truck Body Frame

UNIT PACKAGE: 25



18159
Phosphate

Wire Loom Clips
With Vinyl (PVC) Cushion
Truck Body Frame

UNIT PACKAGE: 25



2382

Wire Loom Clips
Clamps two 3/16" wires

UNIT PACKAGE: 100



1340

Wire Loom Clips
1/4" Clamping Dia.

UNIT PACKAGE: 100



1341
Wire Loom Clips
3/16" Clamping Dia.

UNIT PACKAGE: 100



3758

Wire Loom Clips
3/8" Clamping Dia.

UNIT PACKAGE: 100



2306

Wire Loom Clips
All Cars - All Models

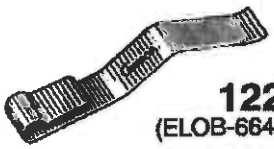
UNIT PACKAGE: 100



14388
(145525)

Heavy Duty Frame Wiring Clip
3/16" Clamping Diameter
Fits panels from .030"-.230"

UNIT PACKAGE: 50



12229
(ELOB-66454A30-AA)

Wire Harness Retainer Clip
Ford 1980-On

UNIT PACKAGE: 25



3759

Wire Loom Clips
All Cars - All Models

UNIT PACKAGE: 50



9864
(372741-S100)
General Purpose Wire Loom Clip

UNIT PACKAGE: 100



9865
(373415)

General Purpose Wire Loom Clip

UNIT PACKAGE: 100

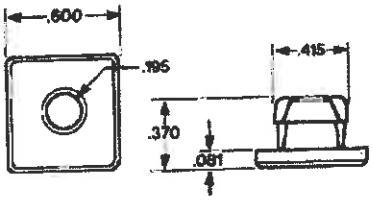
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

License Plate Fasteners

(ILLUSTRATION ACTUAL SIZE)

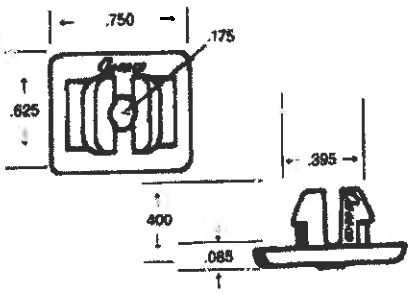




11719
(3907444, 4755299)
Nylon

1/4" (#14) Screw Size
License Plate Nut
GM

UNIT PACKAGE: 50





11368
(380707-S)
Nylon

#14 Screw Size
License Plate Nut
Ford

UNIT PACKAGE: 50



8242
(6023925)
Nylon

1/4" (#14) Screw Size
License Plate Nut
Chrysler
Use With Auveco Screw 8249

UNIT PACKAGE: 50



8418
(380370)
Nylon

#14 Screw Size
License Plate Nut
GM
Use With Auveco Screw 3089

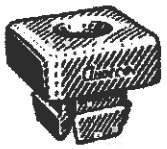
UNIT PACKAGE: 50



8954
Nylon

#14 Screw Size
License Plate Nut
Use With Auveco Screws
8249 or 8952

UNIT PACKAGE: 50



19485
(6027958)
Natural Nylon

1/4" (#14) Screw Size
License Plate Nut
Chrysler

UNIT PACKAGE: 10



19317
(15707256)
Zinc Organic

Front Fender Extension
& License Plate Bracket
Retainer Nut
M6-1.0 Screw Size
GM Express & Savanna
1996-On

UNIT PACKAGE: 10

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

GREASE FITTINGS
(Also Available In Large Bulk Quantities)



1/4"-28, Straight
Thread Length: 9/64"
Overall Length: 1/2"
Ball Check, Plated

15055 Unit Pkg: 50



1/4"-28, Straight
Thread Length: 7/32"
Overall Length: 9/16"
Ball Check, Plated

9257 Unit Pkg: 50



1/4"-28 Straight
Overall Length: 11/16"
Ball Check, Plated

9258 Unit Pkg: 50



1/4"-28, Straight
Overall Length: 15/16"
Ball Check, Plated

9259 Unit Pkg: **25**



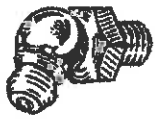
1/4"-28, Straight
Self-Tapping
Overall Length: 9/16"
Ball Check, Plated

15000 Unit Pkg: 50



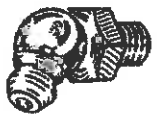
1/4"-28, 45°
Overall Length: 29/32"
Ball Check, Plated

9260 Unit Pkg: 25



1/4"-28, 45°
Thread Length: .3"
Overall Length: 1"
Ball Check, Plated

15056 Unit Pkg: 25



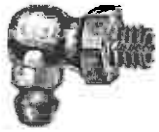
1/4"-28, 45°
Self-Tapping
Overall Length: 55/64"
Ball Check, Plated

19172 Unit Pkg: 25



1/4"-28, 65°
Overall Length: 25/32"
Ball Check, Plated

15053 Unit Pkg: 25



1/4"-28, 90°
Overall Length: 45/64"
Ball Check, Plated

9261 Unit Pkg: 25



1/4"-28, 90°
Self-Tapping
Over Length: 43/64"
Ball Check, Plated

19176 Unit Pkg. 25



1/4" Drive Fit
Straight
Overall Length: 1/2"
Ball Check, Plated

15054 Unit Pkg: 25



1/4" Drive Fit, Straight
Overall Length: 27/64"
No Check Valve
Plated

15065 Unit Pkg: 50

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

GREASE FITTINGS
(Also Available In Large Bulk Quantities)



1/8" Pipe, St.
Overall Length: 5/8"
Ball Check, Plated

9262 Unit Pkg: 50



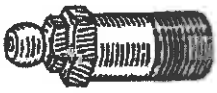
1/8" Pipe, 45°
Overall Length: 1"
Ball Check, Plated

9264 Unit Pkg: 25



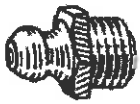
1/8" Pipe, 65°
Overall Length: 7/8"
Ball Check, Plated

9265 Unit Pkg: 25



1/8" Pipe, St.
Overall Length: 1-1/4"
Ball Check, Plated

9267 Unit Pkg: 25



1/8" Pipe, St.
Self-Tapping
Overall Length: 39/64"
Ball Check, Plated
Nominal Hole Size: 3/8"

15066 Unit Pkg: 25



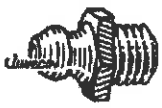
1/8" Pipe, 90°
Overall Length: 53/64"
Ball Check, Plated

9266 Unit Pkg: 25



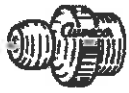
3/16" Drive Fit, St.
Overall Length: 1/2"
Ball Check, Plated

15060 Unit Pkg: 50



5/16"-24, Straight
Overall Length: 5/8"
Ball Check, Plated

15057 Unit Pkg: 25



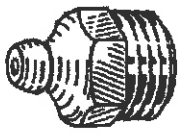
5/16" Drive Fit, St.
Overall Length: 9/16"
Ball Check, Plated

15061 Unit Pkg: 50



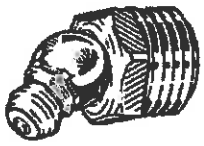
3/8"-24, Straight
Overall Length: 5/8"
Ball Check, Plated

15058 Unit Pkg: 25



1/4" Pipe, St.
Overall Length: 27/32"
Ball Check, Plated

15059 Unit Pkg: 25



1/4" Pipe, 65°
Overall Length: 1"
Ball Check, Plated

15062 Unit Pkg: 10

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

METRIC GREASE FITTINGS
(Also Available In Large Bulk Quantities)



6mm-1.00, Straight
DIN 71412
Overall Length: 14mm
Ball Check, Plated

11097 Unit Pkg: 5



6mm-1.00, 45°
Overall Length: 22mm
Ball Check, Plated

11775 Unit Pkg: 10



6mm-1.00, 90°
Overall Length: 18mm
Ball Check, Plated

11776 Unit Pkg: 10



8mm-1.00, Straight
DIN 71412
Overall Length: 15mm
Ball Check, Plated

11098 Unit Pkg: 5



8mm-1.00, 45°
Overall Length: 23mm
Ball Check, Plated

11777 Unit Pkg: 10



8mm-1.00, 90°
DIN 71412
Overall Length:
18mm
Ball Check, Plated

11099 Unit Pkg: 5



8mm-1.25, Straight
Overall Length: 15mm
Ball Check, Plated

11778 Unit Pkg: 10



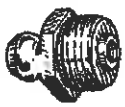
8mm-1.25, 45°
Overall Length: 23mm
Ball Check, Plated

11779 Unit Pkg: 10



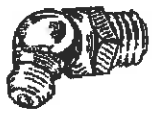
8mm-1.25, 90°
Overall Length: 18mm
Ball Check, Plated

11780 Unit Pkg: 10



10mm-1.00, Straight
DIN71412
Overall Length: 15mm
Ball Check, Plated

11100 Unit Pkg: 5



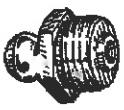
10mm-1.00, 45°
Overall Length: 23mm
Ball Check, Plated

15067 Unit Pkg: 25



10mm-1.00, 90°
DIN 71412
Overall Length:
19mm
Ball Check, Plated

11101 Unit Pkg: 5



10mm-1.5 Straight
Overall Length: 15mm
Ball Check, Plated

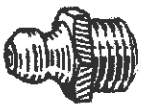
17555 Unit Pkg: 50

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

STAINLESS STEEL
GREASE FITTINGS WITH BALL CHECK
303 Series Body • 420 Series Ball • 302 Series Spring



17154

1/8" Pipe, Straight
Overall Length: 5/8"

UNIT PACKAGE: 5



17676

1/4" Drive Fit, Straight
Overall Length: 1/2"

UNIT PACKAGE: 10



17155

6mm-1.00, Straight
Overall Length: 14mm

UNIT PACKAGE: 5



17156

8mm-1.00, Straight
Overall Length: 15mm

UNIT PACKAGE: 5



17680

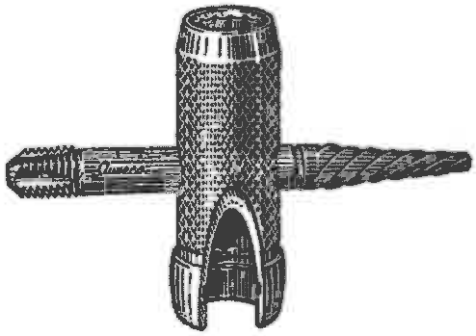
8mm-1.00, 90°
Overall Length: 17.8mm

UNIT PACKAGE: 5

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

GREASE FITTING TOOLS & GUNS

4-Way Grease Fitting Tools



15693

For popular 1/4-28 and 6mm fittings. Tap repairs 1/4-28 threads. Wrench removes 5/16" and 3/8" hex fittings and plugs. Installs new 1/4-28 fittings. "Easy-out" removes broken fittings.

UNIT PACKAGE: 1

15694

For 1/8" NPT fittings. Tap repairs 1/8" NPT threads. Wrench removes 7/16" and 3/8" hex fittings and plugs. Installs new 1/8" NPT fittings. "Easy Out" removes broken fittings.

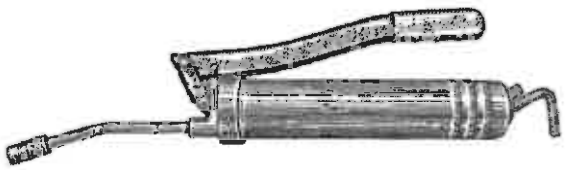
UNIT PACKAGE: 1



16275

One-Hand Grease Gun
3-Way Loading.
Uses 14.5 oz. Cartridge
16 oz. Bulk Capacity
2500 PSI Working Pressure
3 Claw Coupler
Blue

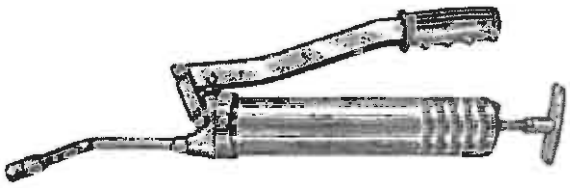
UNIT PACKAGE: 1



16276

Heavy Duty Grease Gun
3-Way Loading
Uses 14.5 oz. Cartridge
16 oz. Bulk Capacity
10,000 PSI Working Pressure
3 Claw Coupler
Blue With Orange Vinyl Grip

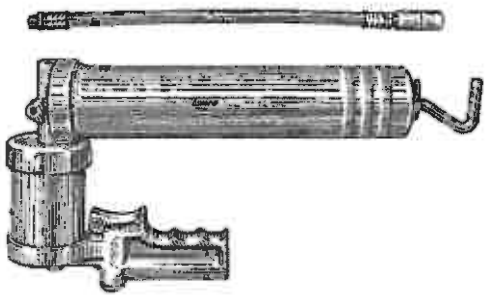
UNIT PACKAGE: 1



16277

Professional Grease Gun
Delivers Grease At Various Lever Openings
3-Way Loading
Uses 14.5 oz. Cartridge
16 oz. Bulk Capacity
Variable Pressure
4 Claw Coupler
Zinc With Black Rubber Grip

UNIT PACKAGE: 1



16278

Air Operated Grease Gun
Pressure Ratio 50:1
Required Air Pressure: 30-120 PSI.
Suggested Working Air
Pressure: 90 PSI
3-Way Loading
Use 14.5 oz. Cartridge
16 oz. Bulk Capacity
4 Claw Coupler
Gray

UNIT PACKAGE: 1

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

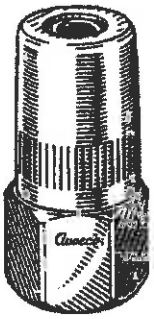
GREASE GUN ACCESSORIES & PIPE PLUGS



15688
Grease Gun Coupler
With Ball Check

Fits 1/8" NPT Threads
For hand operated lube equipment. Working pressure: 3,000 PSI
Overall Length: 1-3/8"

UNIT PACKAGE: 1

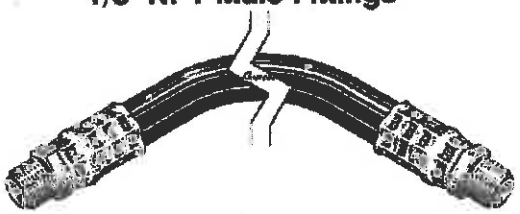


15689
Heavy Duty
Grease Gun
Coupler
With Ball Check

Fits 1/8" NPT Threads
For hand operated lube equipment only.
Working pressure: 5,000 PSI
Overall Length: 1-7/16"

UNIT PACKAGE: 1

Grease Gun Hoses
1/8" NPT Male Fittings



15691	15692	16279	16280
12" 3000 PSI	18" 3000 PSI	12" 5800 PSI	18" 5800 PSI
UNIT PKG: 1	UNIT PKG: 1	UNIT PKG: 1	UNIT PKG: 1

Grease Fitting Caps

Polyethylene caps that snap over fittings to seal out dirt and moisture. Integral ring keeps cap in place during servicing.



18109	18110	18111
Black	Red	Yellow
U.P. 50	U.P. 50	U.P. 50

Square Drive Pipe Plug
Cold Rolled Steel

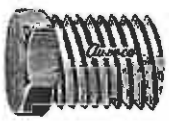


16307
Plain

3/8" Pipe Thread
3/8" Square Drive
Accommodates Standard 3/8" Drive Rachet

UNIT PACKAGE: 10

Hex Head Pipe Plugs
Cold Rolled Steel
Plain Finish



Auveco Part No.	O.E.M. No.	Pipe Size	Unit Pkg.
9278	GM: 444613	1/8-27	25
9279	GM: 444619, GM: 444620	1/4-18	25
9280		3/8-18	25
9281		1/2-14	25

Socket Head Pipe Plugs
Cold Rolled Steel
Plain Finish



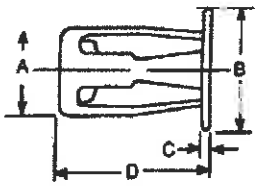
Auveco Part No.	O.E.M. No.	Pipe Size	Unit Pkg.
9282	GM: 9427882	1/8-27	25
9283	GM: 444776	1/4-18	25
9284	GM: 444782	3/8-18	25
9285	GM: 444667, GM: 444789	1/2-14	25

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

JACK NUTS®

Material - 1010 Steel - Zinc Plated





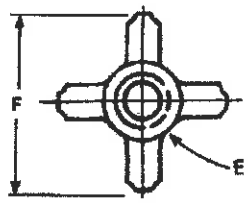
Type 1



Type 2



Type 3



Auveco Part No.	Unit Pkg.	Type	Thread (E)	Body Dia.(A)	Head Dia. (B)	Cap Thick (C)	Overall Lgth (D)	Grip Range	Required Hole Dia.	Maximum Spread (F)**
13012	25	1	6-32	.318	.468	.073	.653	1/64"-3/16"	.315-.330	.660
13014	25	1	10-24	.382	.531	.073	.716	1/64"-3/16"	.385-.400	.760
13016	25	1	1/4"-20	.438	.625	.073	.731	1/64"-3/16"	.434-.450	.890
16235*	15	2	1/4"-20	.438	.625	.073	.731	1/64"-3/16"	.434-.450	.890
13017	25	1	1/4"-20	.438	.625	.073	.919	3/16"-3/8"	.434-.450	.890
16227	25	1	M4-.7	.318	.468	.073	.841	3/16"-3/8"	.318-.330	.720
16228	25	1	M5-.8	.382	.531	.073	.716	1/64"-3/16"	.382-.400	.760
16234•	25	3	M6-1.0	.438	.625	.073	.731	1/64"-3/16"	.438-.450	.890

* Raintite Sealer ** Spread Varies With Material Thickness • Sealer

Special Purpose Jack Nuts*

Auveco Part No.	O.E.M. Number	Type	Thread	Finish	O.E.M. Application	Unit Pkg.
12995	GM: 367292 Chry: 6031438	3	1/4-20	Zinc w/Sealer	GM Mirror Mounting Nut	25
12996	GM: 367292 Chry: 6031438	3	1/4-20	Zinc w/ Sealer	GM Mirror Mounting Nut	100
12998	GM: 1623436	2	M5-.8	Zinc w/Raintite	GM "J" Body Rack Mount	10
16230	GM: 5970995	1	M6-1.0	Zinc	License Plate Mounting Bracket	25
12997	GM: 1635218, 10014363	1	M6-1.0	Zinc w/Laquer	GM License Plate Nut	25
12999	GM: 14007940	2	M6-1.0	Zinc w/Raintite	GM "X" & "Y" Roof Rack Mounting Nut	10

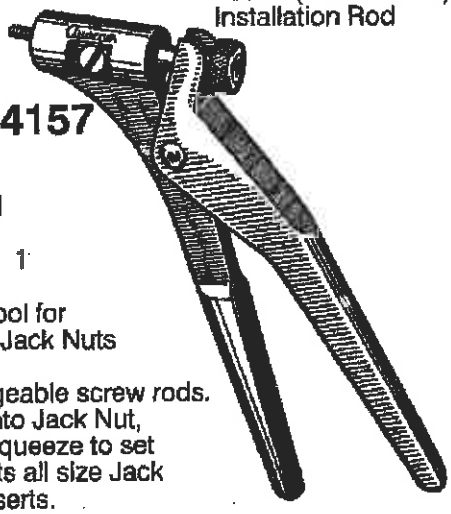
GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

JACK NUT® INSTALLATION TOOLS

Tool comes with 16856 (6-32 Thread) Installation Rod



Part No. 14157
Professional Jacknut® Installation Tool

UNIT PACKAGE: 1

An economical tool for rapidly installing Jack Nuts in any material. Takes interchangeable screw rods. Just screw rod into Jack Nut, push into hole, squeeze to set and remove. Sets all size Jack Nut Threaded Inserts.

Part No. 14156
Friction Wrench



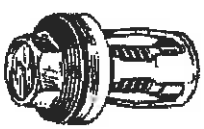
For use when installing a limited quantity of Jack Nuts. Insert the wrench between the screw and the head of the fastener, hold wrench and run in screw to set Jack Nut.

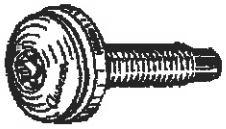
UNIT PACKAGE: 10

Jacknut® Installation Rods
Use w/14157 Installation Tool



Auveco Part No.	Unit Pkg.	Thread
16856	1	6-32
14158	1	10-24
14159	1	1/4-20
14160	1	4mm
14161	1	5mm
14162	1	6mm





Mirror Mounting Screws And Jack Nuts

For additional information refer to listings on pages 25, 26 and 52.

Auveco Part No.	Description	Unit Pkg.
13231	1/4-20 x 7/8" Screw (Phos.)	25
13232	1/4-20 x 7/8" Screw (Phos) & Jack Nut®	25
14947	M6 x 26mm Screw (Chrome)	25
14976	1/4-20 x 1-1/4" Screw (Stainless Steel)	25
14977	1/4-20 x 1-1/4" Screw (Stainless Steel) & Jack Nut®	10
17179	1/4-20 x 1-1/4" Screw (Phos. Organic)	25

Square Head Plastic Expansion Nut
Use with #8 or #10 Tapping Screws



Auveco Part No.	Head Height	Body Length	Body Width	Square Panel Hole	Unit Pkg.
11308	.500	.305	.25	.250-.281	50

Square Head Nylon Push-In Nut



Diameter 3/8"
Thickness .025/.035

Auveco Part No.	Thread Size	Hole Size Square	Panel Range	Unit Pkg.
10305	#8	.265/.292	.030/.160	50

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

WASHERS

Countersunk Type Washers




Screw Size	I.D.	O.D.	Nickel Plated Brass Unit Pkg. 100	Nickel Plated Brass Unit Pkg. 144	Nickel Plated Brass Unit Pkg. 1000	Black Zinc Plated Brass Part No.	Black Zinc Plated Brass Unit Pkg.	Plain Brass Part No.	Plain Brass Unit Pkg.
#4	9/64"	3/8"	**612**		**7613**			**16590**	100
#6	11/64"	7/16"	**614**	**7143**	**7615**	**16011**	100		
#8	13/64"	1/2"	**616**	**7145**	**7616**	**16012**	100	**16592**	100
#10	1/4"	19/32"	**618**	**7147**	**7618**	**16013**	100	**16593**	100
#12	9/32"	11/16"	**619**	**7148**				**16594**	100
#14	5/16"	25/32"	**620**	**7149**	**7620**				

Flanged Type Countersunk Washers




Screw Size	I.D.	O.D.	Nickel On Brass Part No.	Black Zinc On Brass Part No.	Stainless Steel Part No.	Unit Pkg.
#6	5/32"	1/2"	**3469**		**3470**	100
#8	13/64"	5/8"	**2515**	**16009**	**2597**	100
#10	1/4"	11/16"	**3471**	**16010**	**3472**	100

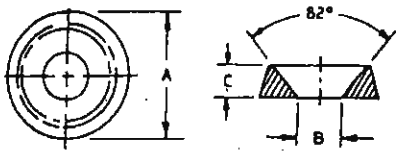
Flush Type Washers




Nickel Plated On Brass

Unit Pkg. 100	Unit Pkg. 144	Unit Pkg. 1000	Screw Size	I.D.	O.D.
602	**7137**	**7624**	#6	5/32"	11/32"
604	**7138**	**7625**	#8	3/16"	3/8"
16015		**16016**	#10	13/64"	15/32"

Nylon Finishing Washers



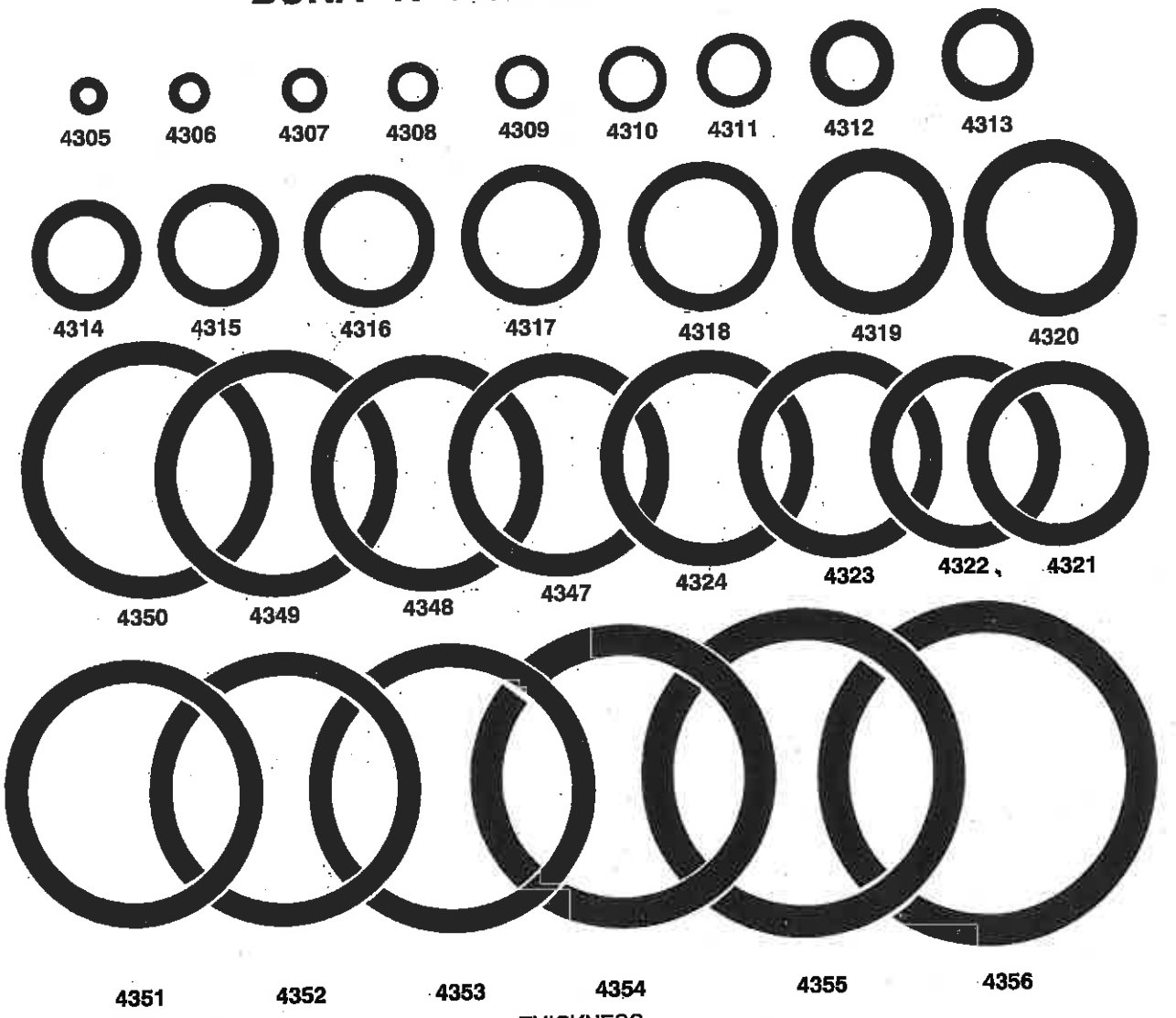


Available in natural or black nylon, these molded washers protect cabinets from scratching, cover misaligned holes, etc. May also be used as guides, bumpers and spacers.

Auveco Part No.	Screw Size	O.D. (A)	I.D. (B)	Thickness (C)	Color	Unit Pkg.
13717	#6	.437" (11.10mm)	.143" (3.63mm)	.100" (2.54mm)	Black	50
13718	#8	.515" (13.08mm)	.171" (4.34mm)	.115" (2.92mm)	Natural	50
13719	#8	.515" (13.08mm)	.171" (4.34mm)	.115" (2.92mm)	Black	50
13720	#10	.580" (14.73mm)	.191" (4.85mm)	.152" (3.86mm)	Natural	50
13721	#10	.580" (14.73mm)	.191" (4.85mm)	.152" (3.86mm)	Black	50
13722	#12	.609" (15.47mm)	.225" (5.72mm)	.160" (4.06mm)	Natural	50
13723	#12	.609" (15.47mm)	.225" (5.72mm)	.160" (4.06mm)	Black	50
13724	#14	.683" (17.35mm)	.251" (6.38mm)	.183" (4.65mm)	Natural	50
13725	#14	.683" (17.35mm)	.251" (6.38mm)	.183" (4.65mm)	Black	50

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

BUNA "N" RUBBER "O" RINGS

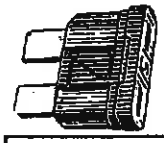


THICKNESS
4305 thru 4311 .....1/16"
4312 thru 4318 .....3/32"
4319 thru 4353 .....1/8"
4354 thru 4356 .....13/64"
Temperature Rating: 70 hours @ 100°C

Auveco Part No.	Ind. Std.	I.D.	O.D.	Unit Pkg.
4305	006	1/8"	1/4"	50
4306	007	5/32"	9/32"	50
4307	008	3/16"	5/16"	50
4308	009	7/32"	11/32"	50
4309	010	1/4"	3/8"	50
4310	011	5/16"	7/16"	50
4311	012	3/8"	1/2"	50
4312	110	3/8"	9/16"	50
4313	111	7/16"	5/8"	50
4314	112	1/2"	11/16"	50
4315	113	9/16"	3/4"	50
4316	114	5/8"	13/16"	50
4317	115	11/16"	7/8"	50
4318	116	3/4"	15/16"	50
4319	210	3/4"	1"	50
4320	211	13/16"	1-1/16"	50
4321	212	7/8"	1-1/8"	50
4322	213	15/16"	1-3/16"	50
4323	214	1"	1-1/4"	50
4324	215	1-1/16"	1-5/16"	50
4347	216	1-1/8"	1-3/8"	25
4348	217	1-3/16"	1-7/16"	25
4349	218	1-1/4"	1-1/2"	25
4350	219	1-5/16"	1-9/16"	25
4351	220	1-3/8"	1-5/8"	25
4352	221	1-7/16"	1-11/16"	25
4353	222	1-1/2"	1-3/4"	25
4354	325	1-1/2"	1-7/8"	25
4355	326	1-5/8"	2"	25
4356	327	1-3/4"	2-1/8"	25

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

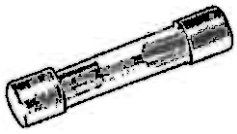
Fuses & Circuit Breakers



ATC®/ATO® (Blade Type) Fuses

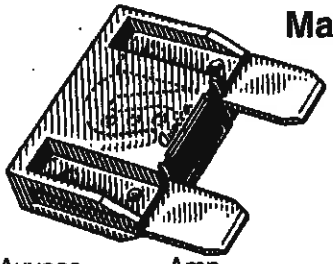
Auveco Part No.		Amp Rating	Color
Unit Pkg. 5	Unit Pkg. 25		
12534	12548	3	Violet
12535	12549	4	Pink
12536	12550	5	Tan
12537	12551	7-1/2	Brown
12538	12552	10	Red
12539	12553	15	Blue
12540	12554	20	Yellow
12541	12555	25	White
12542	12556	30	Green

Glass Tube Fuses



Auveco Part No.	Size	Amp	Code	Unit Pkg.
18981	1/4" x 1-1/4"	2	AGC-2	5
17625	1/4" x 1-1/4"	3	AGC-3	5
17626	1/4" x 1-1/4"	5	AGC-5	10
17627	1/4" x 1-1/4"	7.5	AGC-7.5	10
12545	1/4" x 1-1/4"	10	AGC-10	5
12546	1/4" x 1-1/4"	15	AGC-15	5
18982	1/4" x 1-1/4"	20	AGC-20	5
12543	1/4" x 1-1/4"	20	SFE-20	5
18983	1/4" x 1-1/4"	25	AGC-25	5
12544	1/4" x 1-7/16"	30	SFE-30	5
12547	1/4" x 1-1/4"	30	AGC-30	5

Maxi™ Fuses



Auveco Part No.	Amp Rating	Color	Unit Pkg.
15505	20	Yellow	2
15506	30	Green	2
15507	40	Orange	2
15508	50	Red	2
15509	60	Blue	2

Mini Fuses



Auveco Part No.	Amp Rating	Color	Unit Pkg.
16351	2	Gray	5
16352	3	Purple	5
16353	4	Pink	5
16354	5	Tan	5
16355	7.5	Brown	5
16356	10	Red	5
16357	15	Blue	5
16358	20	Yellow	5
16359	25	White	5
16360	30	Green	5

Midi Fuses



Auveco Part No.	Amp Rating	Unit Pkg.
18984	50	2
18985	80	2

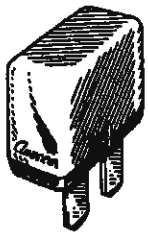
Mega Fuses



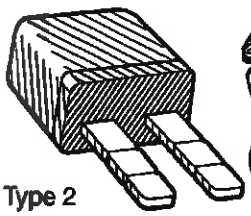
Auveco Part No.	Amp Rating	Unit Pkg.
18986	100	2
18987	125	2
18988	150	2
18989	175	2
18990	200	2
18991	225	2
18992	250	2

Circuit Breakers

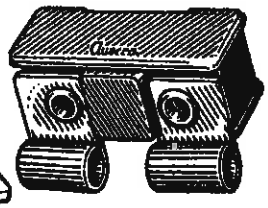
Automatic Re-Set



Type 1



Type 2



Type 3

Auveco Part No.	Type	Specifications	Unit Pkg.
15046	1	30 Amps At 12 Volts	5
18518	2	10 Amps At 12 Volts	2
18519	2	15 Amps At 12 Volts	2
18520	2	20 Amps At 12 Volts	2
18521	2	30 Amps At 12 Volts	2
18522	2	40 Amps At 12 Volts	2
15047	3	20 Amps At 12 Volts	5
15048	3	30 Amps At 12 Volts	5
15049	3	40 Amps At 12 Volts	5

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Self-Clamping Natural Nylon Straps (Reusable)



Auveco Part No.	Tensile Strength	Strap Length	Max Bundle Dia.	Width	Unit Pkg.
10217	18 lb.	3-7/8"	3/4"	3/32"	10
9636	50 lb.	6-5/8"	1-3/4"	3/16"	10
9637	50 lb.	14-7/8"	4"	3/16"	10
10218	120 lb.	14-1/2"	4"	9/32"	10

Black Nylon Cable Ties Self Clamping



Auveco Part No.	Tensile Strength	Length	Width	Unit Pkg.
15144	18 lb.	4"	3/32"	100
15196	18 lb.	4"	3/32"	1000
15145	30 lb.	5-1/2"	1/8"	100
15197	30 lb.	5-1/2"	1/8"	1000
15146	50 lb.	7"	3/16"	50
15198	50 lb.	7"	3/16"	1000
15147	50 lb.	11"	3/16"	50
15199	50 lb.	11"	3/16"	500
15753	50 lb.	14"	3/16"	25
15148	120 lb.	14"	5/16"	25
15200	120 lb.	14"	5/16"	500

Natural Nylon Cable Ties Self Clamping



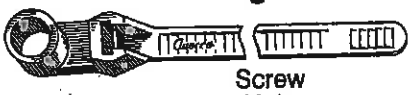
Auveco Part No.	Tensile Strength	Length	Width	Unit Pkg.
11953	18 lb.	3"	3/32"	50
11954	18 lb.	4"	3/32"	50
14836	18 lb.	4"	3/32"	100
15188	18 lb.	4"	3/32"	1000
11955	30 lb.	5"	1/8"	50
14837	30 lb.	5"	1/8"	100
15189	30 lb.	5"	1/8"	1000
11956	50 lb.	7"	5/32"	25
14838	50 lb.	7"	5/32"	50
15190	50 lb.	7"	5/32"	1000
11957	50 lb.	11"	5/32"	25
14839	50 lb.	11"	5/32"	50
15191	50 lb.	11"	5/32"	500
15754	50 lb.	14"	5/32"	25
11958	120 lb.	14"	9/32"	10
14840	120 lb.	14"	9/32"	25
15192	120 lb.	14"	9/32"	500

Black Nylon-Cable Ties Self-Clamping With Mounting Hole

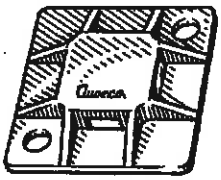


Auveco Part No.	Tensile Strength	Length	Screw Hole Size	Width	Unit Pkg.
15149	30 lb.	6"	#8	1/8"	50
15201	30 lb.	6"	#8	1/8"	500
15150	50 lb.	7-1/2"	#10	3/16"	50
15202	50 lb.	7-1/2"	#10	3/16"	250
15151	120 lb.	14-3/4"	#14	5/16"	25
15203	120 lb.	14-3/4"	#14	5/16"	200

Natural Nylon-Cable Ties Self-Clamping With Mounting Hole



Auveco Part No.	Tensile Strength	Length	Screw Hole Size	Width	Unit Pkg.
11960	30 lb.	5"	#8	1/8"	50
15193	30 lb.	5"	#8	1/8"	250
11961	50 lb.	7"	#10	5/32"	50
15194	50 lb.	7"	#10	5/32"	250
11963	120 lb.	13"	#14	9/32"	10
15195	120 lb.	13"	#14	9/32"	100



12360
Natural Nylon

Ideal for light duty applications, it uses a #6 flat head screw or 1/8" flat head rivet. The mount features a 4 way insertion and accepts 18, 30, and 50 pound cable ties. Size: 1" x 1"

UNIT PACKAGE: 10

These 4 way insertion mounts offer the same features as our 12360 mount with the addition of a pressure sensitive adhesive on the back. Size: 1" x 1"



12361
Natural Nylon
UNIT PKG: 10

16001
Black Nylon
UNIT PKG: 10



12362

Ideal for high density applications, use a #8 screw. Once the mount is secured the tie is slipped over the mount and applied as usual.

UNIT PACKAGE: 25

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

BALL JOINT ASSEMBLIES

Rod End Ball Joints (Male)

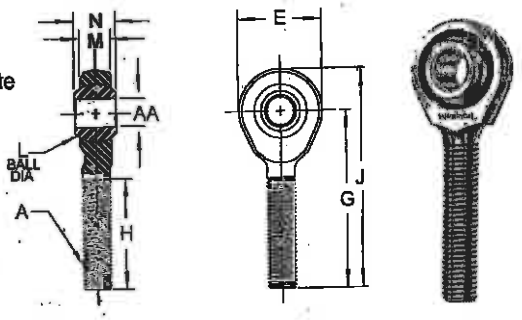
Bearing Raceway - Locked in by annular groove-trunnion design. Made of fiber reinforced nylon.

Outer Member (Housing) - Low carbon steel, plated plus dichromate treated for corrosion resistance.

Spherical Ball - Precision make from selected low carbon steel-case hardened - file hard. Plated plus dichromate treated for corrosion resistance.

Left Hand Thread - Available with left hand thread in most sizes. Marked for easy user identification.

Only Available Fully Assembled



Dimensions

Auveco Part No.	Thread Size (A)	AA	E	G	H	J	L	M	N	Unit Pkg.	Thread
12268 12269	10-32	.189 .191	.625	1.250	.750	1.562	.438	.250	.312	1 1	R L
12270 12271	1/4-28	.250 .252	.750	1.562	1.000	1.937	.516	.281	.375	1 1	R L
12021 12272	5/16-24	.3125 .3145	.875	1.875	1.250	2.312	.625	.344	.437	1 1	R L
12022 12273	3/8-24	.375 .377	1.000	1.937	1.250	2.437	.719	.406	.500	1 1	R L
12485	7/16-20	.4395 .4375	1.125	2.125	1.312	2.687	.812	.437	.562	1	R
12023 12274	1/2-20	.500 .502	1.312	2.437	1.500	3.094	.938	.500	.625	1 1	R L
12024	5/8-18	.625	1.500	2.625	1.625	3.375	1.125	.562	.750	1	R
12486	3/4-16	.752 .750	1.750	2.875	1.750	3.750	1.312	.687	.875	1	R

Rod End Ball Joints (Female)

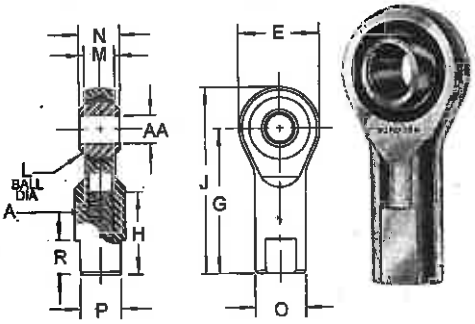
Bearing Raceway - Locked in by annular groove-trunnion design. Made of fiber reinforced nylon.

Spherical Ball - Precision make from selected low carbon steel-case hardened - file hard. Plated plus dichromate treated for corrosion resistance.

Outer Member (Housing) - Low carbon steel, plated plus dichromate treated for corrosion resistance.

Left Hand Thread - Available with left hand thread in most sizes. Marked for easy user identification.

Only Available Fully Assembled



Dimensions

Auveco Part No.	Thread Size (A)	AA	E	G	H	J	L	M	N	O	P	R	Unit Pkg.	Thread
12025 12276	10-32	189 .191	.625	1.062	.562	1.375	.438	.250	.312	.406	.312	.406	1 1	R L
12026 12277	1/4-28	.250 .252	.750	1.312	.750	1.687	.516	.281	.375	.469	.375	.406	1 1	R L
12027 12278	5/16-24	.3125 .3145	.875	1.375	.750	1.812	.625	.344	.437	.500	.437	.500	1 1	R L
12028 12279	3/8-24	.375 .377	1.000	1.625	.937	2.125	.719	.406	.500	.687	.562	.562	1 1	R L
12487	7/16-20	.4395 .4375	1.125	1.812	1.032	2.375	.812	.437	.562	.750	.625	.625	1	R
12029 12280	1/2-20	.500 .502	1.312	2.125	1.187	2.781	.938	.500	.625	.875	.750	.687	1 1	R L
12281	5/8-18	.625	1.500	2.500	1.500	3.250	1.125	.562	.750	1.000	.875	.875	1	R
12488	3/4-16	.752 .750	1.750	2.875	1.562	3.750	1.312	.687	.875	1.125	1.000	1.000	1	R

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Female Receptacle for 6-Pole Connectors



- Female Insert
- Plug-in wire hook up
- For Part No. 2161 only
- Replaces Cole Hersee No. 11-57

Part No.	Description	Unit
2162	Female Receptacle for 6-Pole Connectors	1

Female Receptacle for 6-Pole Connectors



- Die-cast housing
- Split contact pins
- Plug-in wire hook up
- Not self-grounding
- For use with Part Nos. 2017 and 2033
- Replaces Cole Hersee No. 1235

Part No.	Description	Unit
2016	Female Receptacle for 6-Pole Connectors	4

Female Receptacle for 6-Pole Connectors



- Die-cast housing
- Split contact pins
- Plug-in wire hook up
- Replaces Pollack No. 11-607

Part No.	Description	Unit
2150	Female Receptacle for 6-Pole Connectors	3

Adapter for 7-Pole or 6-Pole Connectors



- 7-pole male plug and 6-pole female receptacle
- Die-cast body
- Split contact pins
- Steel spring lock latch
- Completely assembled
- Used 6-way to ATA 7-way
- Replaces Velvac No. 591010

Part No.	Description	Unit
2079	Adapter for 7-Pole or 6-Pole Connectors	1

Adapter for 7-Pole & 6-Pole Connectors



- 7-pole female receptacle and 6-pole male plug
- Die-cast body
- Solid contact pins
- Steel spring lock latch
- Completely assembled
- Used ATA 7-way to 6-way
- Replaces Velvac No. 591009

Part No.	Description	Unit
2057	Adapter for 7-Pole & 6-Pole Connectors	1

Tractor-Trailer 4-Pole Connectors

4-Pole Connectors 4-Way Circuit

Insert Code No.	Letter	Light-Signal Circuit
1	GD	Ground
2	S	Stop
3	A	Auxiliary Cir.
4	TM	ICC Marker

Male Plug for 4-Pole Connectors



- "Shur-Lock" design
- Finger grips
- Plug-in wire hook up
- Replaces Cole Hersee No. 1233

Part No.	Description	Unit
1139	Male Plug for 4-Pole Connectors	1

Female Receptacle for 4-Pole Connectors



- Split contact pins
- Plug-in wire hook-up
- Replaces Cole Hersee No. 1232

Part No.	Description	Unit
1132	Female Receptacle for 4-Pole Connectors	1

4-Way Trailer Connectors



- Chrome plated
- For marine and trailer use
- Spring loaded cover keeps elements out
- Flange mounting 1-3/4 on center

Part No.	Description	Unit
KP66091	4-way male assy.	1
KP66092	4-way female receptacle	1

Automotive Fuses

Glass Tube Fuses

- SFE-7½ and AWG-7½ are interchangeable
- SFE-20 and AGC-20 are interchangeable



AGA (formerly called 1AG)

Part No.	Symbol & Ampere	Size (In.)	Unit†
7565	AGA-1	¼ x 5/8	5
7556	AGA-2	¼ x 5/8	5
7557	AGA-3	¼ x 5/8	5
7568	AGA-5	¼ x 5/8	5
7554-1	AGA-20	¼ x 5/8	5
7562	AGA-30	¼ x 5/8	5



AGC (formerly called 3AG)

Part No.	Symbol & Ampere	Size (In.)	Unit†
7571	AGC-1	¼ x 1¼	5
7572-1	AGC-2	¼ x 1¼	5
7569	AGC-3	¼ x 1¼	5
7573	AGC-4	¼ x 1¼	5
7574	AGC-5	¼ x 1¼	5
KP45538	AGC 6¼	¼ x 1¼	5
7561	AGC-7½	¼ x 1¼	5
7558	AGC-10	¼ x 1¼	5
7559	AGC-15	¼ x 1¼	5
7563	AGC-20	¼ x 1¼	5
7567	AGC-25	¼ x 1¼	5
7560	AGC-30	¼ x 1¼	5
7574-1	AGC-35	¼ x 1¼	5



AGW (formerly called 7AG)

Part No.	Symbol & Ampere	Size (In.)	Unit
7571	AGW-4	¼ x 7/8	5
	AGW-7½	Use SFE-7½	5
7563	AGW-15	¼ x 7/8	5
7563-1	AGW-20	¼ x 7/8	5
7562-1	AGW-30	¼ x 7/8	5

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Fuse Accessories

Fuse Tester/Puller



- Operates with or without voltage in circuit
- 24 volts maximum
- For ATO and Mini plug-in type fuses

Part No.	Description	Unit
20122	Fuse Tester/Puller	1

Tri-Puller



- Fuse puller for Glass and Ceramic type, ATO plug-in type, and Mini plug-in type
- 3" long x ¾" wide
- One end hooked to Pull Glass and Ceramic types
- One end squeeze type for ATO and Mini Blade types

Part No.	Description	Unit
20117	Tri-Puller	1

Circuit Breaker

Fuse-Clip-Type Circuit Breakers



- 12 volt
- With extended fuse clip contacts
- Used by original equipment or can also be used to replace 1¼" glass tubular fuses
- Automatic reset

Type I, Cycling, Automatic Reset

Part No.	Rating	Unit
2188	15 amp	5
2189	20 amp	5
2190	30 amp	5
2192	40 amp	5

Type I breakers cycle or continuously reset until the overload is corrected or corrects itself.

Fuse-Clip-Type Circuit Breakers



- 12 volt
- Used by original equipment or to replace 1¼" glass tubular fuses
- Automatic reset

Type I, Non Cycling, Remote Reset

Part No.	Rating	Unit
2215	10 amp	5
2216	15 amp	5
2217	20 amp	5
2218	25 amp	5
2219	30 amp	5
2219-1	35 amp	5
2219-2	40 amp	5

Type I breakers cycle or continuously reset until the overload is corrected or corrects itself.

Quick Disconnect Terminal Type Circuit Breakers



- Blade terminals on 1.08" centers (27.40mm)
- Fits Navistar (IHC) breaker blocks

Type II, Non Cycling, Remote Reset

Part No.	Rating	Unit
2199-10	10 amp	5
2199-15	15 amp	5
2199-20	20 amp	5
2199-25	25 amp	5
2199-30	30 amp	5
C3083819	35 amp	5

Type II breakers open and remain open until the overload has been corrected.

Quick Disconnect Terminal Circuit Breakers



- Blade terminals on 1" centers
- Fits Mack truck breaker blocks

Type II, Non-Cycling, Remote Reset

Part No.	Amperage	Mack Truck No.	Unit
KP78964	10	11MR24P4	5
2213-15	15	11MR24P5	5
2213-20	20	11MR24P6	5
2213-25	25	—	5
2213-30	30	11MR24P7	5

Type II breakers open and remain open until the overload has been corrected.

Stud-Type Circuit Breakers



- Universal 6 and 12 volt
- Two No. 10-32 stud terminals with nuts, lockwashers and mounting bracket
- Overall size: 2" x 25/32" x 1¾"
- Two 7/32" mounting holes, 1 1/16" on center

Type I, Cycling, Automatic Reset

Part No.	Rating	Unit
C4640030	10 amp	5
2193-2	15 amp	6
2193-3	20 amp	6
2193-4	30 amp	6
2193	40 amp	6

Type I breakers cycle or continuously reset until the overload is corrected or corrects itself.

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

"Fast Pack" Assortments



- Kit contains: (15) 7½ amp, (17) 15 amp, (18) 25 amp, (15) 10 amp, (17) 20 amp, (18) 30 amp
- 100 assorted ATO fuses
- Six compartment plastic box

Part No.	Contents	Unit
[illegible]	ATO Fuses	1
[illegible]	Mini Fuse Kit	1

Maxi™ Fuse Dealer Kits



- 89/ GM, Ford, Chrysler cars and trucks

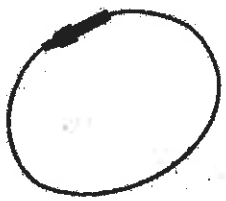
Part No.	Description	Unit
[illegible]	Maxi™ Fuse Dealer Kit	1 Kit

Kit contains:

Rating	Color Code	Unit
MAX 20 amp	Yellow	1
MAX 30 amp	Green	2
MAX 40 amp	Orange	3
MAX 50 amp	Red	1
MAX 60 amp	Blue	3

Fuse Holder

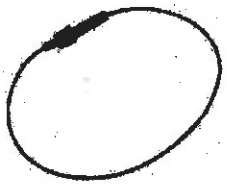
Fuse Holder for ¼" Glass Fuses



- Three finger twist lock
- Complete with SFE-14 amp fuse and 17½" loop of wire
- Black plastic

Part No.	Description	Unit
[illegible]	16 gauge	5

Fuse Holder for ¼" Glass Fuses



- Two pin twist lock
- Complete with SFE-20 amp fuse and 17½" loop of wire
- Black plastic

Part No.	Description	Unit
[illegible]	16 gauge	5

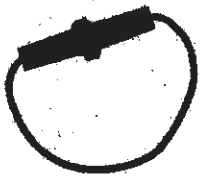
Fuse Holder for ¼" Glass Fuses



- Two pin twist lock
- Complete with AGC-30 amp fuse and 7" of wire
- Opaque and black plastic

Part No.	Description	Unit
[illegible]	12 gauge	10

Fuse Holder for ¼" Glass Fuses



- Ready to install, 6 or 12 volt
- Fuse twists and locks into place
- 6" 18 gauge looped wire

Part No.	Description	Unit
[illegible]	18 gauge	1

Fuse Holder for ¼" Glass Fuses



- Three finger twist lock
- For any 1¼" length tube fuse
- With 6½" loop of wire
- Opaque plastic

Part No.	Description	Unit
[illegible]	16 gauge	5

Fuse Holder for ¼" Glass Fuses



- Crimp type
- Weatherproof — ideal for harsh environments
- Rated 30 amps, 32 volts
- One piece molded yellow thermoplastic

Part No.	Description	Unit
[illegible]	For 18-12 gauge	2

Fuse Holder for ¼" Glass Fuses



- Crimp type
- Rated 30 amps, 32 volts
- Snap-lock
- Yellow nylon

Part No.	Description	Unit
[illegible]	For 18-12 gauge	5

Automotive Fuse Holder Card for ¼" Glass Fuses



- Universal fuse holders with fuses
- Six with 14 amp fuse
- Six with 20 amp fuse

Part No.	Description	Unit
[illegible]	16 gauge	1 card

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Ideal T® Stripper Wire Strippers



- Quality built strippers that feature looping holes and a built-in wire cutter
- The precision knife-type blades allow for an accurate, easy strip every time
- Equipped with a colorful, cushioned, plastic grip that offers comfort and high visibility

Part No.	Description	Wire Range	Unit
[illegible]	Standard T-5®	10-18 AWG Solid	1
KP26088	Standard T	16-26 AWG-Standard	1
KP23[illegible]	Standard T	8-16 AWG- Standard	1

Ideal® Reflex™ Premium Super T®-Stripper Wiring Tool



All of the T®-Stripper features plus:

- Contoured, comfort grip handles to reduce operator fatigue
- Ergonomic design for maximum comfort
- Curved handles to reduce wrist fatigue, with locking feature
- Sleeves that extend to stripping head to cushion thumb and fingers
- 6/32 and 8/32 screw cutting holes
- Made in the U.S.A.

Kar No.	Description	Handle Color
KP[illegible]	8-16 AWG-Solid Wire	Yellow
KP[illegible]	16-25 AWG-Stranded	Red
KP[illegible]	8-16 AWG-Stranded	Red

ALL UNIT QTY: 1

Heat Shrink Tubing

Thin Wall Heat Shrink Tubing

- Radiation cross-linked tubing constructed of flame retarded polyolefin; lightweight harness jackets
- Excellent physical, chemical and electrical properties
- 50% shrinkage ratio
- Designed for a wide range of applications, insulating and wire strain relief
- Operating temperature -67°F to +275°F (-55°C to +135°C) rated to 600 volts
- Meets MIL-I-23053/5 Class 1 and MIL-R-46846 Type V

Part No.	Color	For 2-Way Connectors Cable Sizes	Length	I.D. Min. Exp./ Max. Rec.	Unit
[illegible]	Black	28-24 AWG	4"	.063/.031	20
KP26374	Clear	28-24 AWG	6	.063/.031	10
23539	Green	22-18 AWG	4"	.125/.062	20
23539-R	Green	22-18 AWG	25'	.125/.062	1 Roll
C423010	Clear	22-18 AWG	2"	.125/.062	10
C423008	Clear	22-18 AWG	25'	.125/.062	1 Roll
KP83915	Red	18-14 AWG	6	.187/.093	10
23540	Yellow	16-14 AWG	4"	.187/.093	20
C84024	Yellow	16-14 AWG	2'	.187/.093	5
23540-R	Yellow	16-14 AWG	25'	.187/.093	1 Roll
C423009	Clear	16-14 AWG	25'	.187/.093	1 Roll
23541	Blue	12-10 AWG	4"	.250/.125	20
C84025	Blue	12-10 AWG	2'	.250/.125	5
23541-R	Blue	12-10 AWG	25'	.250/.125	1 Roll
C423012	Clear	12-10 AWG	2"	.250/.125	10
C423010	Clear	12-10 AWG	25'	.250/.125	1 Roll
KP26321	Black	12-10 AWG	6	.312/.156	10
23542	Red	8-6 AWG	6"	.375/.187	20
C84026	Red	8-6 AWG	2'	.375/.187	5
23542-R	Red	8-6 AWG	25'	.375/.187	1 Roll
C423013	Clear	8-6 AWG	2"	.375/.187	10
C423011	Clear	8-6 AWG	25'	.375/.187	1 Roll
23543	Black	4-2 AWG	6"	.500/.250	10
C84027	Black	4-2 AWG	2'	.500/.250	5
23543-R	Black	4-2 AWG	25'	.500/.250	1 Roll
C423012	Clear	4-2 AWG	25'	.500/.250	1 Roll
23544	White	2, 1, 1/0 & 2/0 AWG	6"	.750/.375	10
C84028	White	2, 1, 1/0 & 2/0 AWG	6"	.750/.375	10
23544-R	White	1/0 AWG	25'	.750/.375	5
23545	Orange	3/0, 4/0, 250 & 350 MCM	6"	1.000/.500	5

Super Shrink Thin Wall Heat Shrink Tubing (continued)

Disk Pack



- Has all the same features, benefits and specifications as Kar's standard thin wall polyolefin heat shrink tubing
- Dispenser is designed to hold the tubing in place for easy cutting and provides for visual stock status along with convenient storage
- Disk pack contains 8 feet of tubing

Part No.	Tube Color	Tube Dia.	Tube I.D. Exp. Rec.	Wire Range	Wall Thickness
KP26357	Black	1/8	.125 .062	22-18	.020
KP26363	Red	1/8	.125 .062	22-18	.020
KP26358	Black	1/4	.250 .125	16-14	.025
KP26364	Blue	1/4	.250 .125	16-14	.025
KP26359	Black	5/16	.312 .156	12-10	.025
KP26365	Yellow	5/16	.312 .156	12-10	.025
KP26360	Black	3/8	.375 .187	10-8	.025
KP26361	Black	1/2	.500 .250	8-4	.025
KP26362	Black	3/4	.750 .375	2/0	.030

ALL UNIT QTY: 1

Thin Wall Low-Temp Heat Shrin Tubing



- Flexible, polyolefin black tubing
- Minimum shrink temperature of 194°F (+90°C) great reduces installation time and the potential for damage components caused by high heat
- 2 to 1 shrinkage ratio
- Rated for continuous operation from -67°F to +275°F to +135°C)
- Meets MIL-I-23053/5 Class 1 & 3 specifications
- Meets UL and CSA specifications

Part No.	I.D. Min. Exp./ Max. Rec.	Nom. Size (In.)	AWG	Length (In.)
23615	.046/.023	3/64	30 - 28	6
23615-R	.046/.023	3/64	30 - 28	25ft.
23616	.063/.031	1/16	28 - 26	6
23616-R	.063/.031	1/16	28 - 26	25ft.
23617	.093/.046	3/32	24 - 22	6
23617-R	.093/.046	3/32	24 - 22	25ft.
23618	.125/.062	1/8	20 - 18	6
23618-R	.125/.062	1/8	20 - 18	25ft.
23619	.187/.093	3/16	16 - 14	6
23619-R	.187/.093	3/16	16 - 14	25ft.
23620	.250/.125	1/4	12 - 10	6
23620-R	.250/.125	1/4	12 - 10	25ft.
23621	.375/.187	3/8	8 - 6	6
23621-R	.375/.187	3/8	8 - 6	25ft.
23622	.500/.250	1/2	4 - 2	6
23622-R	.500/.250	1/2	4 - 2	25ft.
23623	.750/.375	3/4	1 - 3/0	6
23623-R	.750/.375	3/4	1 - 3/0	25ft.
23624	1.000/.500	1	3/0 - 1/0	6
23624-R	1.000/.500	1	3/0 - 1/0	25ft.
23625	1.500/.750	1 1/2	1/0 - 400MCM	6
23625-R	1.500/.750	1 1/2	1/0 - 400MCM	25ft.
23626	2.00/1.000	2	1.0" - 1.8" Dia	6
23626-R	2.00/1.000	2	1.0" - 1.8" Dia	25ft.
23627	3.00/1.500	3	1.5" - 2.8" Dia	6
23627-R	3.00/1.500	3	1.5" - 2.8" Dia	25ft.
23628	4.00/2.000	4	2.0" - 3.8" Dia	6
23628-R	4.00/2.000	4	2.0" - 3.8" Dia	25ft.

Melt 'N Seal Medium Wall Low-Temp Heat Shrink Tubing

Translucent with Adhesive Sealant



- A polyolefin multi wall heat shrink tubing that turns a d tinted color after heating (Tubing is marked with wire r
- Used in electrical and mechanical applications and provi resistance to the environment
- Meets NEC code for dry and damp location use

Operating Temp.	— -65° to 230°C
Min. Shrink Temp.	— 250°F
Shrink Ratio	— 2.5 to 1
Elongation	— 400%
Longitudunal	— +/-5%

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Part No. 100 ft.	1000 ft.	Color	Unit
23469	—	White	1
23470	—	Red	1
23468	—	Black	1
23471	—	Green	1
23468-3	—	Brown	1
23468-2	—	Blue	1
23468-1	—	Yellow	1

Wire Gauge No. 8

- 65 strands of 26GA
- Nominal OD–

Part No. 100 ft.	500 ft.	1000 ft.	Color	Unit
KP83739	—	—	Black	1 Roll
KP83738	—	—	Red	1 Roll

Primary Wire

Plastic Insulated Wire

Single Conductor Wire



- 50 volts maximum
- Temperatures range: -20°C (-68°F) to +60°C (+140°F)
- Resists moisture, weather, heat, oil, abrasion and aging
- PVC (polyvinylchloride) insulation
- Stranded copper conductor
- Exceeds ATA standards
- Meets SAE J1128 Type GPT specs
- 100 ft. plastic spool/1000 ft. metal spool

Wire Gauge No. 18

- 16 strands of 30GA
- Nominal OD–.09

Part No. 100 ft.	1000 ft.	Color	Unit
23410	—	White	1
23411	—	Red	1
23411-3	—	Black	1
23412	—	Green	1
23413	—	Brown	1
23413-1	—	Blue	1
23414	—	Yellow	1

Wire Gauge No. 16

- 19 strands of 29GA
- Nominal OD–.105

Part No. 100 ft.	1000 ft.	Color	Unit
23425	23425-1	White	1
23426	23436	Red	1
23438	23438-1	Black	1
23427	23427-1	Green	1
23428	23428-1	Brown	1
23424	—	Blue	1
23429	—	Yellow	1
23430-1	—	Orange	1
KP74913	—		1
KP74920	—		1

Wire Gauge No. 14

- 19 strands of 27GA
- Nominal OD–.123

Part No. 100 ft.	1000 ft.	Color	Unit
23440	23440-1	White	1
23441	23445	Red	1
23439-1	23439-3	Black	1
23442	23442-1	Green	1
23443	KP70206	Brown	1
23438	23439-1	Blue	1
23444	23446-1	Yellow	1
23443-1	—	Orange	1
23446	—	Gray	1
KP74922	—	Orange	1
KP74922	—		
KP74923	—	Purple	1

Wire Gauge No. 12

- 19 strands of 25GA
- Nominal OD–.147

Part No. 100 ft.	1000 ft.	Color	Unit
23459	—	White	1
23460	—	Red	1
23459-1	—	Black	1
C11000	—	Green	1
C10999	—	Brown	1
C15198	—	Blue	1
C15199	—	Yellow	1

Wire Gauge No. 10

- 19 strands of 23GA
- Nominal OD–.183

Part No. 100 ft.	1000 ft.	Color	Unit
23467	—	White	1
23466	KP70198	Red	1
23467-1	—	Black	1
C401107	—	Blue	1
C15201	—	Yellow	1

Wire Gauge No. 8

- 65 strands of 26GA
- Nominal OD–.230

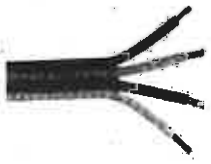
Part No. 100 ft.	1000 ft.	Color	Unit
23472	—	White	1
23470	—	Red	1
23472-1	—	Black	1

NOTE: All units are (1 Roll)

Multi-Conductor Primary Wire

Bonded Parallel Primary Wire

2, 3, 4 or 6 Conductors



- 50 volts maximum
- Resistant to moisture, weather, heat, oil, abrasion and aging
- Stranded copper conductor
- PVC (polyvinylchloride) insulation
- Bonded together for ease in handling
- Meets ATA standards
- Meets SAE J1128 Type GPT specs
- .100 foot per roll

Part No.	Ga. Size/No. of Cond.	Color Code*	Strands No. x Ga.	Nom. O.D.	Unit
23489-1	16/2	BR/W	19 x 29	.102 x .205	1 Roll
23488-2	16/3	BR/Y/G	19 x 29	.102 x .300	1 Roll
23489-3	16/4	BR/W/Y/G	19 x 29	.102 x .408	1 Roll
23486	14/2	R/W	19 x 27	.123 x .250	1 Roll
23487	14/3	R/W/B	19 x 27	.123 x .369	1 Roll
23487-1	14/3	G/Y/BR	19 x 27	.123 x .369	1 Roll
23488	14/4	R/W/B/Y	19 x 27	.123 x .492	1 Roll
23488-5	14/4	Y/G/BR/W	19 x 27	.123 x .492	1 Roll
KP23392	16/3	B/W/G	19 x 29		1Roll

Jacketed Parallel Primary Wire

Two Conductor



- Insulated conductors covered with a heavy-duty jacket
- PVC (polyvinylchloride) insulating jacket
- Individual conductors have PVC insulation
- Recommended for trucks, buses, tractors, marine and general-purpose use
- Gray jacket color
- 100 foot per roll

Part No.	Ga. Size/No. of Cond.	Strands No. x Ga.	Color Code*	Nom. O.D.	Unit
KP23395	16/4		BK/W/G/R		1 Roll
23480	16/2	19 x 29	BK/W	.143 x .246	1 Roll
KP23396	14/4		BK/W/G/R		1 Roll
KP23393	14/3		BK/W/G		1 Roll
23482	14/2	19 x 27	BK/W	.163 x .286	1 Roll
KP23397	12/4		BK/W/G/R		1 Roll
KP23394	12/3		BK/W/G		1 Roll
23484	12/2	19 x 25	BK/W	.185 x .330	1 Roll
23481	10/2	19 x 23	BK/W	.218 x .396	1 Roll

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

UV Black

Part No.	Bundle Dia. Range (In.)	Length (In.)	Width (In.)	Min. Loop Tensile Strength D (Lbs.)	Unit
C96024	1/16 — 1¾	7.5	.187	50	50
C24704	1/16 — 1¾	7.5	.187	50	100
18104-X	1/16 — 1¾	7.5	.187	50	1000
C96025	1/16 — 3	11.1	.187	50	50
C24705	1/4 — 3	11.1	.187	50	100
18105-X	1/16 — 3	11.1	.187	50	500
C96026	1/16 — 4	14.0	.187	50	25
C24706	1/16 — 4	14.0	.187	50	100
18106-X	1/16 — 4	14.1	.187	50	500



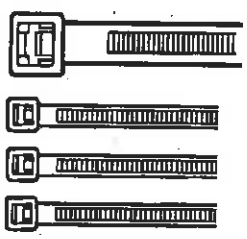
Natural

Part No.	Bundle Dia. Range (In.)	Length (In.)	Width (In.)	Min. Loop Tensile Strength D (Lbs.)	Unit
18107	3/16 — 2	8.0	.300	120	100
C27122	3/16 — 4	14.25	.300	120	10
C33573	3/16 — 4	14.25	.300	120	50
18108	3/16 — 4	14.25	.300	120	100
18111	3/16 — 9	28.0	.300	120	50
C27123	1/2 — 4	24.0	.300	175	10
C36323	1/2 — 4	24.0	.300	175	50
KP4832	1/2 - 8¾	29¾	.30	120	100
C422405	up to 9	36	.300	175	25

UV Black

Part No.	Bundle Dia. Range (In.)	Length (In.)	Width (In.)	Min. Loop Tensile Strength D (Lbs.)	Unit
18107-X	3/16 — 2	8.0	.300	120	100
KP4831	3/16-3	11⅞	.30	120	100
C96027	3/16 — 4	14.25	.300	120	10
18108-X	3/16 — 4	14.25	.300	120	100
C24707	3/16 —4	14.25	.300	120	50
18111-X	3/16 — 9	28.0	.300	120	50
C24708	1/2 — 4	24.0	.300	175	50
C24709	—	36.0	.312	175	25
KP4877	2"	9.0	.500	250	10
KP65718	6"	23.0	.500	250	10
KP74738	9"	32.0	.350	170	25
KP48[illegible]	10"	35.0	.500	250	10

Colored Cable Ties



- Constructed of high strength nylon 6/6
- Self-extinguishing and heat resistant

Part No.	Wire Bundle Dia. (In.)	Tensile Strgth (Lbs.)	Width x Lgth. (In.)	Color	Unit
C29594	up to ¾	18	3/32 x 4	Red	100
C29595	up to ¾	18	3/32 x 4	Yellow	100
C29596	up to ¾	18	3/32 x 4	Green	100
C29597	up to ¾	18	3/32 x 4	Blue	100
KP4834	up to ¾	18	3/32 x 4	Brown	100
KP4836	up to ¾	18	3/32 x 4	Orange	100
KP4840	up to ¾	18	3/32 x 4	Purple	100
KP4884	up to ¾	18	3/32 x 4	Gray	100
KP4885	up to ¾	18	3/32 x 4	White	100
C29598	up to 1¾	50	3/16 x 8	Red	100
C29599	up to 1¾	50	3/16 x 8	Yellow	100
C29600	up to 1¾	50	3/16 x 8	Green	100
C29601	up to 1¾	50	3/16 x 8	Blue	100
KP4841	up to 1¾	50	3/16 x 8	Brown	100
KP4843	up to 1¾	50	3/16 x 8	Orange	100
KP4846	up to 1¾	50	3/16 x 8	Purple	100
KP4886	up to 1¾	50	3/16 x 8	Gray	100
KP4887	up to 1¾	50	3/16 x 8	White	100
C29602	up to 3	50	3/16 x 11¾	Red	100
C29603	up to 3	50	3/16 x 11¾	Yellow	100
C29604	up to 3	50	3/16 x 11¾	Green	100
C29605	up to 3	50	3/16 x 11¾	Blue	100
C29606	up to 4	50	3/16 x 15½	Red	100
C29607	up to 4	50	3/16 x 15½	Yellow	100
C29608	up to 4	50	3/16 x 15½	Green	100
C29609	up to 4	50	3/16 x 15½	Blue	100

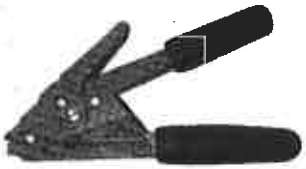
Standard Small Tie Tool



- Designed to tension and cut a cable tie flush
- With the tie inserted into the head, squeeze the trigger to tension, release trigger pressure slightly, twist ¼ turn to cut
- For use with nylon ties 18 lbs. to 50 lbs.

Part No.	Description	Unit
KP[illegible]	Small Tie Tool	1

Standard Large Tie Tool



- Plier designed action provides a mechanical advantage when pulling larger lashing ties
- Insert tie into the head and squeeze the handle to tension; tool will cut the tie end flush
- For use with nylon ties 150 lbs. to 250 lbs.

Part No.	Description	Unit
KP48[illegible]	Standard Large	1

Heavy-Duty Mark 7 Tool



- Designed to tension and cut a cable tie flush
- Tool has a tensioning knob designed to automatically cut the tie when the bundle is fully secured
- Set tension knob, insert tie into the head and squeeze the trigger; the tool will automatically cut the tie
- For use with nylon ties 18 lbs. to 50 lbs.

Part No.	Description	Unit
KP[illegible]79	Heavy-Duty Mark 7 Tool	1

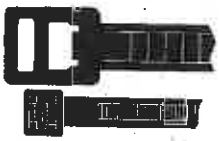
Heavy-Duty Mark 9 Tool



- Same feature and benefits as the Mark 7 Tool except for use with a wider range of ties
- Designed to tension and cut a cable tie flush
- Tool has a tensioning knob designed to automatically cut the tie when the bundle is fully secured
- Set tension knob, insert tie into the head and squeeze the trigger; the tool will automatically cut the tie
- For use with nylon ties 18 lbs. to 250 lbs.

Part No.	Description	Unit
KP[illegible]71	Heavy-Duty Mark 7 Tool	1

All Weather Cable Ties



- Constructed of special black nylon
- Won't crack, dry out or split in sunlight or other harsh weather

Part No.	Wire Bundle Dia. (In.)	Tensile Strgth (Lbs.)	Width (In.)	Length (In.)	Unit
C24004	1/32 — ¾	18	3/32	4	100
C24005	1/32 — 1¾	50	3/16	8	100
C422945	1/16 — 4	120	5/16	15¼	50
C24006	1/32 — 4	50	3/16	15½	100
C24017	1½ — 6	175	3/8	21	25

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Truck Fleet-Miscellaneous
Body Hardware-Truck Fleet

Male Rod End w/Stud



- All sizes supplied with standard right hand thread

Part No.	Size	Unit
KP66615	10-32	2
KP66616	¼-28	2
KP66617	5/16-24	2
KP66618	⅜-24	2
KP66620	½-20	2

Studded Rod Ends



- Body – low carbon steel – cadmium or zinc plated – chromate treated
- Ball – carbon steel surface hardened
- Stud – carbon steel – plated

Part No.	Stud & Shank Thd. Class UNF-2	Unit
2439	10-32	5
2440	¼ -28	5
2441	5/16-24	5
2442	⅜ -24	5
2443	7/16-20	5
2444	½ -20	5
KP67143	⅝-16	1
KP67144	¾-16	1

Female Rod End



Part No.	Thread	Size	Unit
KP66668	10-32	.190	2
KP67147	⅝-18	.625	1
KP67148	¾-16	.750	1

Rod Ends



- Right hand thread – Male rod end
- Low carbon steel body
- Case-hardened steel ball
- Chromate treated

Part No.	Ball I.D.	Thread Size	Unit
2456	.2500	¼ -28	5
2457	.3125	5/16-24	5
2458	.3750	⅜ -24	5
KP67139	.437	7/16-20	2
2459	.5000	½ -20	5
KP67141	.625	⅝-18	1
KP67142	.750	¾-16	1

Rod Ends

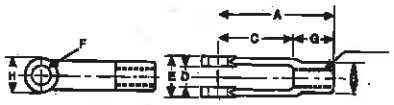


- Body – low carbon steel – zinc plated – chromate treated
- Ball – carbon steel surface hardened

Part No.	Thd. Class UNF-2B	Unit
2451	¼ -28	5
2452	5/16-24	5
2453	⅜ -24	5
CM8744	7/16 -20	1
2455	½ -20	5

Clevis Assemblies





- Meets SAE standards
- Unichrome plated
- For brake rods
- Includes steel clevis pin and cotter pin

Part No.	Thread Size	A (In.)	B (In.)	C (In.)	D (In.)	E (In.)
CM74100	10-32	1 3/16	5/16	1	3/16	7/16
2023	¼-28	2	7/16	1 1/4	9/32	5/8
2032	5/16-24	2 1/4	½	1 7/16	11/32	¾
2025	⅜-24	2 1/2	5/8	1 5/8	7/16	7/8
2026	7/16-20	2 1/4	23/32	1 7/8	½	1
2027	½-20	3	13/16	1 7/8	9/16	1 1/8
2027-1	½-20	3	1 3/16	1 7/8	9/16	1 1/8
2468†	⅝-18	2 5/16	1 1/8	1 1/2	9/16	1 1/2
2467	⅝-18	1 7/8	7/8	⅜	9/16	1 1/4
CM8860744	¾-18	1 1/4	-	-	-	½
KP9768	⅝-18	5 1/2	-	-	-	-
331595	⅝-18	2 5/16	-	-	9/16	-

Part No.	F (In.)	G (In.)	H (In.)	Replacement Clevis Pin	Unit
CM74100	3/16	9/16	⅜		3
2023	¼	¾	½	2120	10
2032	5/16	13/16	19/32	2121	10
2025	⅜	⅞	1 1/16	2122	10
2026	7/16	1	1 3/16	2123	10
2027	½	1 1/8	1 5/16	2124	10
2027-1	½	1 1/8	1 5/16	2124	1
2468†	½	23/32	1 7/32	2472	1
2467	½	7/16	31/32	2476	5
CM8860744	-	-	-	*	1
KP9768	⅝	-	-	9774	25
331595	⅝	-	-	-	1

* Yoke end only
**3/16" diameter x 5/16" pin available with clevis only
† Not SAE standard

Mud Flap Mounting Kit

Mud Flap Mounting Kit

- Individually packaged in polybag
- Zinc-clear plating for rust free application
- Grade 5 bolts for maximum strength
- Nylon lock nuts for maximum vibration resistance
- Hardened heavy duty flat washers for maximum strength
- Kit contains:

4 - 5/16 x 1-3/4 fully threaded Grade 5 bolts
4 - 5/16 nylon lock nuts
8 - Heavy duty flat washers

Part No.	Description	Unit
CM7750	Mud Flap Installation Kit	25
CM7751	Mud Flap Installation Kit	50

Hood Latches-Hardware

Flexible Hood Latch



- Black rubber neoprene handle
- 6 15/16" pin to mounting hole
- 7 13/16" OAL
- Replaces Mack No. 61RU T9302
- For holding pin use Part No. 30208 cap screw and Part No. 34283 elastic nut
- Use with Part No. 2491-1 hood hook and Part No. 2494 bracket

Part No.	Application	Unit
2491	Mack truck hoods	1

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Hose Clamps

Standard Worm Gear Clamps
Designed for Standard Applications



- Meets or exceeds SAE J1508 hose clamp standards
- Stainless steel bank, ½" wide
- Stainless steel, screw housing
- Steel slotted hex head screw w/cadmium plating
- Precision ground slots

Part No.	Mfg. No.	Effective Range Min.	Max.	Unit
24128*	4	¼ (6mm)	5/8 (16mm)	10
C9023*	6	5/16	⅞	10
24110*	6	7/16 (11mm)	25/32 (20mm)	10
24109	6	7/16 (11mm)	25/32 (20mm)	25
24107	8	½ (13 mm)	29/32 (23mm)	10
24111*	8	½ (13 mm)	29/32 (23mm)	10
24112	10	9/16 (14 mm)	1 1/16 (27mm)	10
24113	12	11/16 (17mm)	1¼ (31mm)	10
24114	16	13/16 (21mm)	1½ (38 mm)	10
24115	20	13/16 (21mm)	1¾ (44mm)	10
24116	24	1 1/16 (27mm)	2 (50mm)	10
24117	28	1 5/16 (33mm)	2¼ (56mm)	10
24118	32	1 9/16 (39mm)	2½ (63mm)	10
24119	36	1 13/16 (46 mm)	2¾ (69mm)	10
24120	40	2 1/16 (52mm)	3 (75mm)	10
24121	44	2 5/16 (56mm)	3¼ (81mm)	10
24122	48	2 9/16 (64mm)	3½ (88mm)	10
24123	52	2 13/16 (71 mm)	3¾ (95mm)	10
24124	56	3 1/16 (77mm)	4 (100mm)	10
24125	60	3 5/16 (81mm)	4¼ (106mm)	10
24127	64	3 9/16 (89mm)	4½ (113mm)	10
24127-1	72	4 1/16 (102mm)	5 (125mm)	10
24127-5	80	4 5/16 (118mm)	5½ (140mm)	10
24127-6	88	5 1/16 (128mm)	6 (150mm)	10
24127-7	96	5 9/16 (141mm)	6½ (165mm)	10
24127-8	104	6 1/16 (156mm)	7 (175mm)	10

* Micro/Mini style clamp — lighter construction

All Stainless Steel Worm Gear Clamps
Designed for Applications where Corrosion is a Concern



- Meets SAE J1508 hose clamp standards
- Stainless steel bank, ½" wide
- Stainless steel, screw housing
- 400 series stainless steel slotted hex head screw — magnetic
- Precision ground slots

Part No.	Mfg. No.	Effective Range Min.	Max.	Unit
24128*	4	¼ (6mm)	5/8 (16mm)	10
KP79950	6	7/16 (11mm)	25/32 (20mm)	10
24135	8	½ (13 mm)	29/32 (23mm)	10
KP79951	10	9/16(14mm)	1 1/16 (27mm)	10
KP79952	12	11/16(17mm)	1¼(31mm)	10
KP79953	16	13/16 (21MM)	2 9/16 (56MM)	10
KP79954	20	13/16(21mm)	1¾(44mm)	10
KP82799	24	1 1/16(27mm)	2(50mm)	10
KP79955	28	1 3/16(21mm)	2¼(56mm)	10
KP79957	40	2 1/16(52mm)	3(75mm)	10
KP79956	32	1 9/16(39mm).	2½(63mm)	10
24136	36	1 13/16 (46 mm)	2¾ (69mm)	10
24136-1	44	2 5/16 (59mm)	3¼ (83mm)	10
KP79958	48	2 9/16(65mm)	3½(89mm)	10
24139-1	52	2 13/16 (71 mm)	3¾ (95mm)	10
24140	56	3 1/16 (78mm)	4 (102mm)	10
24140-1	60	3 5/16 (84mm)	4¼ (108mm)	10
24141	64	3 9/16 (91mm)	4½ (114mm)	10
24141-1	72	4 1/16 (102mm)	5 (125mm)	10
24142	80	4 5/8 (118mm)	5½ (140mm)	10
24142-1	88	5 1/16 (128mm)	6 (150mm)	10
24143	96	5 9/16 (141mm)	6½ (165mm)	10
24143-1	104	6 1/16 (156mm)	7 (175mm)	10

* Micro/Mini style clamp — lighter construction

All Stainless Steel/High Torque Worm Gear Clamps
Designed for Applications Where Corrosion & High Pressure Are a Concern



- Stainless steel band
- Stainless steel, screw housing
- Stainless steel slotted hex had screw
- Extra high screw head — permits tightening with open end or socket wrenches
- Extra long screw length — allows eight screw threads to be engaged at once; for high torque drive and vibration resistance
- Precision ground slots

Part No.	Effective Range Min.	Max.	Unit
24101	1¾ (45mm)	2 5/8 (66mm)	10
24102	2¼ (57mm)	3 1/8 (80mm)	10
24103	2¾ (70mm)	3 5/8 (92mm)	10
24104	3¼ (83mm)	4 1/8 (107mm)	10
KP61027	4" (101.6mm)	6 1/8 (155.57mm)	10
24105	4¼ (108mm)	5 1/8 (130mm)	10
24106	5¼ (133mm)	6 1/8 (155mm)	10

Stainless Steel Micro Clamps



- 5/16" width band

Part No.	Ind. No.	Clamp ID (in.)	Hose ID (in.)	Unit
CS01254	#4	7/32-5/16	5/16-5/16	20
CS01256	#6	5/16-7/16	¼-3/8	20
KP79907	#10	½-1 1/16	3/8 - 5/8	10
KP79908	#12	9/16-1¼	5/8 - ¾	10
KP79909	#16	1 1/16-1½	¾-1	10
KP79910	#20	¾-1¾	1- 1¼	10

Quick Release Clamps



- 300 Series stainless steel band and housing
- 400 Series stainless steel bridge and screw
- Quickly opens and closes - Ideal for use in "closed" systems where the clamp must be opened to be applied
- Markets include pollution control, air filtration, communications, ship building, data processing, signs and displays

Part No.	Clamp Diameter Min.	Max.	Size #	Unit
24085	1	4	56	10
24087	2 1/16	6	88	10
24088	1¾	7	104	10
24089	1¾	8 9/16	128	10
24091	2 1/16	12 5/16	188	10

Norma Thin Band Worm Gear Hose Clamps



- Band and housing in stainless steel (1.4016) and zinc-plated yellow chromate mild steel screw
- Slotted phillips screw does not strip when tightening
- 6mm hex nuts
- Designed for foreign and domestic cars and close tolerance applications
- Conforms to DIN 3017 Part 1 specifications (C6 W2)
- Norma is a brand name for a large range of industrial, automotive, and domestic clamping retaining and connecting products manufactured in Germany

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Fittings - Pipe

Countersunk Plug



Part No.	Pipe Thd. (In.)	Unit
C536140	⅛	25
C536141	¼	25
C536142	⅜	25
C536144	½	25
C536145	¾	25

Magnetic Steel Pipe Plugs

Magnetic Steel Pipe Plugs attract and retain internal debris to extend engine life. For use wherever there are moving parts in fluid. Available in square recessed and square head types.



Part No.	Description	Pipe Thd. (In.)	Unit
C552522	Square Head	½	5
C552530	Square Recessed	½	5
-	-	¾	-
C552574	Square Head	¾	5

Bushings



Part No.	Pipe Thd. (In.)	Pipe Thd. (In.)	Unit
16013	¼	⅛	4
16014	⅜	⅛	4
16015	⅜	¼	4
16016	½	⅛	4
16017	½	¼	4
16018	½	⅜	4
16019	¾	¼	2
16020	¾	⅜	2
16021	¾	½	2
16022	1	⅜	2
16023	1	½	2
16024	1	¾	2
16025	1¼	¾	2
16026	1¼	1	2

Adapter

SAE No. 140139



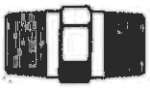
Part No.	Male Pipe Size (In.)	Female Pipe Size (In.)	Unit
C99774	¼	½	2
C99775	⅜	½	2
C99779	¾	1	1

Couplings



Part No.	Pipe Thd. (In.)	Unit
16039	⅛	4
16040	¼	4
16041	⅜	4
16042	½	4
16043	¾	2
16044	1	2

Hex Nipple



Part No.	Male Pipe Thread (In.)		Unit
16000	⅛	⅛	4
16001	¼	⅛	4
16002	¼	¼	4
16004	⅜	⅛	4
16003	⅜	¼	4
16005	⅜	⅜	4
16007	½	¼	4
16006	½	⅜	4
16008	½	½	4
16009	¾	½	2
16010	¾	¾	2
16011	1	1	2
16012	1¼	1¼	2

(Steel) Bulkhead Coupling



Part No.	Ind. Dash No.	Female Pipe A (In.)	Female Pipe B (In.)	Length (In.)	Unit
[illegible]	4-4	¼	¼	1½	10
[illegible]	4-4	¼	¼	1⁵⁄₁₆	5
[illegible]	6-6	⅜	⅜	1⁵⁄₁₆	2

(Steel) Bulkhead Coupling



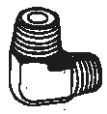
Part No.	Ind. Dash No.	Male Pipe A (In.)	Female Pipe B (In.)	Length (In.)	Unit
[illegible]	8-4	½	¼	2⁵⁄₃₂	5
[illegible]	8-4	½	¼	2¹⁷⁄₃₂	5

(Steel) Bulkhead Coupling



Part No.	Ind. Dash No.	Male Pipe A (In.)	Female Pipe B (In.)	Length (In.)	Unit
[illegible]	8-4	½	¼	2¹⁵⁄₁₆	10
[illegible]	8-4	½	¼	3¹⁵⁄₁₆	5

90° Male Elbow



Part No.	Pipe Thd. (In.)	Unit
16058	⅛	4
16059	¼	4
16060	⅜	4
16061	½	4
16062	¾	2
16063	1	2

90° Female Elbow



Part No.	Pipe Thd. (In.)	Unit
16069	⅛	4
16070	¼	4
16071	⅜	4
16072	½	4
16073	¾	2
16074	1	2
16075	1¼	2

Male Branch Tee



Part No.	Pipe Thd. (In.)	Unit
KP79155	⅛	5
KP79156	¼	5
KP79157	⅜	3
KP79158	½	3
KP79159	¾	2
KP79160	1	2

45° Female Elbow



Part No.	Pipe Thd. (In.)	Unit
16064	¼	4
16065	⅜	4
16066	½	4
16067	¾	2
16068	1	2

45° Street Elbow



Part No.	Pipe Thd. (In.)	Unit
16045	⅛	4
16046	¼	4
16047	⅜	4
16048	½	4
16049	¾	2
16050	1	2

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

PRIMARY WIRE

General Purpose



Standard PVC Insulation (SE/GPT Type)
Suitable for Most Automotive Applications
Free Stripping, Abrasion Resistant
Meets Most O.E.M. Vehicle Standards

UNIT PACKAGE: 1 Roll



The lower the gauge number, the thicker the wire (i.e. 10 gauge is thicker than 16 gauge)

Gauge	Stranding	O.D.	Auveco Part No				
			Red	White	Black	Blue	Length
18	16 x 30	.092	. . . .	. . . .	20488	20489	45 Ft.
16	19 x 29	.104	20490	20491	20492	20493	35 Ft.
12	19 x 25	.142	20494	20495	20496	20497	15 Ft.
10	19 x 23	.175	. . . .	20499	. . . .	20501	10 Ft.

25 Foot Spool

Gauge	Stranding	O.D.	Auveco Part No					
			Red	White	Black	Blue	Green	Yellow
18	16 x 30	.092	12411	12412	. . . .	. . . .	. . . .	15234
16	19 x 29	.104	. . . .	. . . .	12417	. . . .	. . . .	. . . .
14	19 x 27	.117	12419	12420	12421	12422	15239	15240
12	19 x 25	.142	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
10	19 x 23	.175	15249	. . . .	15251	. . . .	. . . .	. . . .

100 Foot Spool

Gauge	Stranding	O.D.	Auveco Part No						
			Red	White	Black	Blue	Green	Yellow	Brown
18	16 x 30	.092	12423	12424	12425	12426	12427	12428	15256
16	19 x 29	.104	12429	12430	12431	12432	12433	12434	15257
14	19 x 27	.117	12435	12436	12437	. . . .	12439	12440	15258
12	19 x 25	.142	12441	12442	12443	12444	15259	15260	. . . .
10	19 x 23	.175	12445	. . . .	12447	12448	. . . .	15263	. . . .

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Wire Rope Accessories

Wire Rope Thimbles



Protect wire rope connections with our reinforcing heavy Wire Rope Thimbles. Thimble size corresponds to the size of the wire rope to be used.

- Made of hot rolled, mild steel
- Closed type
- Galvanized

Part No.	Rope Dia. (In.)	Unit
C4390	1/8	10
C4391	3/16	10
C81133	1/4	10
C94192	5/16	10
C81134	3/8	10
C81135	1/2	5
C81136	5/8	5
C81137	3/4	5

Cable Ferrules



- Used to crimp wire rope
- Made of aluminum

Part No.	Size (In.)	Unit
C94546	1/16	50
C94547	3/32	50
C94548	1/8	50
C94549	5/32	50
C94550	3/16	25
C94551	1/4	25

Crosby® Wire Rope Thimbles



- Recommended for light-duty service
- Hot dip galvanized steel

Part No.	Rope Dia. (In.)	Weight per 100 (Lbs.)	Unit
*50440	1/8	3.50	10
*50441	3/16	3.50	10
*50442	1/4	3.50	10
*50443	5/16	4.00	10
*50444	3/8	6.70	10
*50445	1/2	12.50	5
*50446	5/8	34.50	5
*50447	3/4	47.10	5
*50448	7/8	84.60	5
*50449	1	97.50	5
*50450	1 1/4 - 1 1/4	175.00	2

Crosby® is a registered trademark of The Crosby Group, Inc.
*Part numbers available in Canada only

Malleable Wire Rope Clips



- Malleable iron saddle U-bolt
- Electro-galvanized
- Use with No. 2919-2921 Wire Rope
- Meets Federal specification FF-C-450-D, Type 1, Class 2
- Includes nuts
- Note: wire rope clips are not designed for load carrying purposes

Part No.	Size (In.)	Min. OAL (In.)	Threaded Dia. (In.)	Min. Weight/ea. (Lbs.)	Unit
32665-½	1/8	.719	10-24	.04	25
32665-I	3/16	.875	10-24	.06	25
32665	1/4	1.188	5/16-18	.13	25
32666	5/16	1.188	5/16-18	.15	15
32667	3/8	1.563	3/8-16	.21	15
32668	1/2	2.000	7/16-14	.37	15
32669	5/8	2.313	1/2-13	.59	15
32670	3/4	2.563	9/16-12	.83	10

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bowma-Crimp® Nylon Insulated Terminals

Funnel Entry
Heavy Duty — Nylon Insulated — Solderless Terminals



- Constructed of pure electrolytic tough pitch (ETP) high grade copper, for maximum conductivity Per QQ-C576B
- Electro-tin plated for maximum corrosion resistance and shelf life Per MIL-T-10727B
- Wire range clearly stamped on backside of each terminal for positive identification
- Terminal barrel is serrated with multiple "V" grooves for maximum contact & holding power after crimp
- Translucent nylon insulation gives the crimper a clear view of the crimp area and is color coded for easy wire size identification
- "Funnel Entry" design actually gathers wire strands together for fast, easy, positive entry into terminal barrel. This eliminates wire strand hang-up and positions wire perfectly for a more positive crimp
- Constructed with open end to allow visual inspection of wire location before and after crimp
- Constructed in one, burr-free piece for maximum strength
- Full ¼" barrel
- Electrical crimp area
- Mechanical or insulation crimp area
- A seamless copper alloy insulation support sleeve provides added strength and transfers stress points gradually to wire jacket for maximum vibration resistance

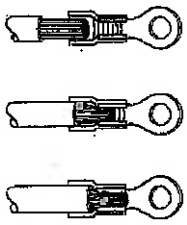
Specifications

Temperature Range

-67°F (-55°C) to +221°F (105°C)

600-Volt Rated

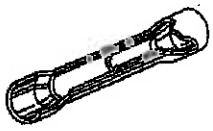
Quality Funnel Entry Terminal Construction



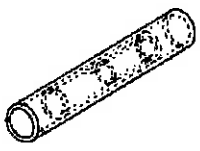
- All copper used in the production of Barnes terminals is certified to government specification No. QQ-C-6576, Electrolytic tough pitch (ETP) copper
- The plating used on Barnes terminals is certified to government specification No. MIL-T-10727B
- Insulation: PVC: Polyvinylchloride - Ethyl Corp. 7042
- Nylon: E.I. DuPont Zytel No. 103 (molded parts). Custom resins Spencer 607
- Color coding:
  26-22 AWG - Yellow
  22-16 AWG - Red
  20-16 AWG - Green
  16-14 AWG - Blue
  16-12 AWG - Yellow (Black Stripe)
  12-10 AWG - Yellow
  8 AWG - Red
  6 AWG - Blue
  4 AWG - Yellow
  2 AWG - Red

Barnes is noted for its quality by the many approvals and listings of its terminal line. The Barnes line conforms to the following specifications: MS-25036, MS-20659, MIL-T-10727B, MIL-T-7928/10 also QQ-C-576B. Our terminal line is U.L. and C.S.A. listed where applicable.

Mini Bowma-Crimp® Nylon-Insulated Butt Connectors

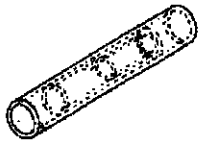


- Insulation grip firmly grips wire insulation to protect against high vibration failures
- Funnel entry



Part No.	Wire Size	Ins. Color	Unit
22992	26-22	Yellow	50

Bowma-Crimp® Nylon-Insulated Butt Connectors



- Insulation overhang provides support to wire
- Nylon insulation



Part No.	Wire Size	Ins. Color	Unit
23014	22-18	Red	50
23014-1	22-18	Red	100



Part No.	Wire Size	Ins. Color	Unit
23035	16-14	Blue	50
23035-1	16-14	Blue	100



Part No.	Wire Size	Ins. Color	Unit
23075	12-10	Yellow	50
23075-1	12-10	Yellow	100

Bowma-Crimp® Nylon-Insulated, Molded Flare Butt Connectors



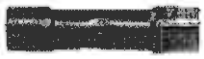
- Insulator has molded flare to allow for the entry of heavier wire insulation



Part No.	Wire Size	Ins. Color	Unit
23014-F	22-18	Red	50



Part No.	Wire Size	Ins. Color	Unit
23035-F	16-14	Blue	50



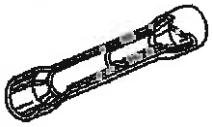
Part No.	Wire Size	Ins. Color	Unit
23075-F	12-10	Yellow	50

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bowma-Crimp® Nylon-Insulated, Heavy-Duty Butt Connectors



- Insulation grip firmly grips wire insulation to protect against high vibration failures
- With Funnel entry



Part No.	Wire Size	Ins. Color	Unit
18563	22-18	Red	50



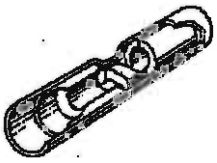
Part No.	Wire Size	Ins. Color	Unit
18564	16-14	Blue	50



Part No.	Wire Size	Ins. Color	Unit
18565	12-10	Yellow	50

NOTE: Alternate quantities available, see price book.

Bowma-Crimp® Nylon-Insulated Window Butt Connectors



- Funnel entry
- Meets MIL specifications MIL-T-7928/3
- See-through nylon insulation allows you to see the wires in the inspection window



Part No.	Wire Size	Ins. Color	Unit
23014-W	22-18	Red	25

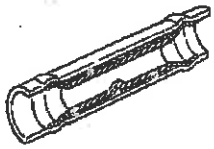


Part No.	Wire Size	Ins. Color	Unit
23025-W	16-14	Blue	25



Part No.	Wire Size	Ins. Color	Unit
23075-W	12-10	Yellow	25

Bowma-Crimp® Nylon-Insulated Jelly Butt Connectors



- Filled with special moisture resistant silicone gel that protects the connection from corrosion-causing elements
- Nylon insulation
- Funnel entry
- Insulation grip



Part No.	Wire Size	Ins. Color	Unit
18596	22-18	Red	25



Part No.	Wire Size	Ins. Color	Unit
18597	16-14	Blue	25



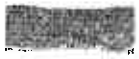
Part No.	Wire Size	Ins. Color	Unit
18598	12-10	Yellow	25

Bowma-Crimp Special Butt Connector



Part No.	Wire Size	Ins. Color	Unit
C410640	16-12	Yellow	50

Parallel Connector



Part No.	Wire Size	Ins. Color	Unit
C410261	16-14	Blue	50

Bowma-Crimp® Nylon-Insulated Ring Tongues



- Funnel entry
- Insulation grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP79915	26-24	No. 2	Yellow	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP79916	26-24	No. 4	Yellow	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP79917	26-24	No. 6	Yellow	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP79918	26-24	No. 8	Yellow	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP79919	26-24	No. 10	Yellow	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23000	22-18	4-6	Red	50
MP23000	22-18	4-6	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23001	22-18	4-6	Red	50
MP23001	22-18	4-6	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C81300	22-18	6-8	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23002	22-18	6-8	Red	50
MP23002	22-18	6-8	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23003	22-18	8-10	Red	50
MP23003	22-18	8-10	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23004	22-18	¼	Red	50
MP23004	22-18	¼	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C410107	22-18	⅜	Red	50

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23020	16-14	4-6	Blue	50
MP23020	16-14	4-6	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23021	16-14	4-6	Blue	50
MP23021	16-14	4-6	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23022	16-14	6-8	Blue	50
MP23022	16-14	6-8	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23023	16-14	8-10	Blue	50
MP23023	16-14	8-10	Blue	25



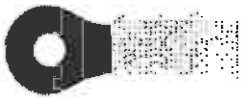
Part No.	Wire Size	Stud Size	Ins. Color	Unit
23024	16-14	¼	Blue	50
MP23024	16-14	¼	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23025	16-14	¼-5/16	Blue	50
MP23025	16-14	¼-5/16	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23026	16-14	5/16-⅜	Blue	50
MP23026	16-14	5/16-⅜	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C83072	16-14	5/16-⅜	Blue	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23060	12-10	6-8	Yellow	50
MP23060	12-10	6-8	Yellow	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23061	12-10	8-10	Yellow	50
MP23061	12-10	8-10	Yellow	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23062	12-10	¼	Yellow	50
MP23062	12-10	¼	Yellow	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23064	12-10	¼-5/16	Yellow	50
MP23064	12-10	¼-5/16	Yellow	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23065	12-10	5/16-⅜	Yellow	50
MP23065	12-10	5/16-⅜	Yellow	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23067	12-10	7/16-½	Yellow	50
MP23067	12-10	7/16-½	Yellow	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP70435	#8	5/16	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP70440	#6	5/16	Blue	25

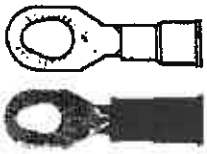


Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP70445	#4	5/16	Yellow	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP70447	#4	½	Yellow	25

Bowma-Crimp® Nylon-Insulated Multi-Stud Ring Tongues



Part No.	Wire Size	Stud Size	Ins. Color	Unit
22940	22-18	2-4-6	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
22981	22-18	6-8-10	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
22982	16-14	6-8-10	Blue	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
22983	12-10	6-8-10	Yellow	50

Bowma-Crimp® Nylon-Insulated Spade Tongues

- Funnel Entry
- Insulation Grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP79925	26-24	4	Yellow	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
KP79926	26-24	6	Yellow	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23007	22-18	4-6	Red	50
MP23007	22-18	4-6	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23009	22-18	8-10	Red	50
MP23009	22-18	8-10	Red	25

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23027	16-14	4-6	Blue	50
MP23027	16-14	4-6	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23028	16-14	6-8	Blue	50
MP23028	16-14	6-8	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23029	16-14	8-10	Blue	50
MP23029	16-14	8-10	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C83089	16-12	10	Yellow	50
C410420	16-12	4-6	Yellow	50
C85004	12-10	4-6	Yellow	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23069	12-10	8-10	Yellow	50
MP23069	12-10	8-10	Yellow	25

Bowma-Crimp® Nylon-Insulated Block Spade Tongues



- Funnel entry
- Insulation grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23007-B	22-18	4-6	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23009-B	22-18	8-10	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23027-B	16-14	4-6	Blue	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23028-B	16-14	6-8	Blue	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23029-B	16-14	8-10	Blue	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23069-B	12-10	8-10	Yellow	50

Bowma-Crimp® Nylon-Insulated Flanged Block Spade Tongues



- Funnel entry
- Insulation grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23010	22-18	4-6	Red	50
MP23010	22-18	4-6	Red	25

Flanged Forks



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C81825	12-10	4-6	Yellow	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C410828	12-10	12	Yellow	50

Bowma-Crimp® Terminals



- Nylon insulation
- Brass insulation gripping sleeve
- ¼ barrel
- Copper material
- Tin plated

Part No.	Wire Size	Stud Size	Ins. Color	Unit
23010-1	22-18	8	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23011	22-18	8-10	Red	50
MP23011	22-18	8-10	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23030	16-14	4-6	Blue	50
MP23030	16-14	4-6	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23031	16-14	8-10	Blue	50
MP23031	16-14	8-10	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23071	12-10	8-10	Yellow	50
MP23071	12-10	8-10	Yellow	25

Bowma-Crimp® Nylon-Insulated Snap Spade Tongues



- Funnel entry
- Insulation grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C85521	22-18	4	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23176	22-18	6	Red	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23177	22-18	8	Red	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23178	22-18	10	Red	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C85525	16-14	4	Blue	50

Continued on next page

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Continued from previous page



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23179	16-14	6	Blue	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23180	16-14	8	Blue	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23181	16-14	10	Blue	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23182	12-10	6	Yellow	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23183	12-10	8	Yellow	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23184	12-10	10	Yellow	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23185	12-10	¼	Yellow	100

Bowma-Crimp® Nylon-Insulated Short Snap Spade Tongues



- Funnel entry
- Insulation grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23176-S	22-18	6	Red	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23177-S	22-18	8	Red	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23178-S	22-18	10	Red	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23179-S	16-14	6	Blue	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23180-S	16-14	8	Blue	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23181-S	16-14	10	Blue	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23182-S	12-10	6	Yellow	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23183-S	12-10	8	Yellow	100



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23184-S	12-10	10	Yellow	100

Bowma-Crimp® Nylon-Insulated Knife Disconnect



Part No.	Wire Size	Stud Size	Ins. Color	Unit
MP70159	16-14	.078	Blue	100

Bowma-Crimp® Nylon-Insulated Hook Tongues



- Funnel entry
- Insulation grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23012	22-18	4-6	Red	50
MP23012	22-18	4-6	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23013	22-18	8-10	Red	50
MP23013	22-18	8-10	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23032	16-14	4-6	Blue	50
MP23032	16-14	4-6	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23033	16-14	8-10	Blue	50
MP23033	16-14	8-10	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23073	12-10	8-10	Yellow	50
MP23073	12-10	8-10	Yellow	25

Quick Disconnect Male Push-Ons

- Nylon insulation
- Funnel entry
- Insulation grip
- Mates with female push-ons and fully insulated female push-ons
- Provides quick and easy disconnection of wires



Part No.	Wire Size	Tab Size	Ins. Color	Unit
C410144	22-18	.125	Red	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23080	22-18	.187	.020	Red	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23081	22-18	.250	.032	Red	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23095	16-14	.187	.020	Blue	50

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Terminals

Continued from previous page



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23098	16-14	.250	.032	Blue	50
MP23098	16-14	.250	.032	Blue	25



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23077-1	12-10	.250	.032	Yellow	25

Bowma-Crimp® Nylon-Insulated Female Push-On Quick Disconnects



- Mates with male push-ons or male tabs found on equipment and switches
- Provides quick and easy disconnection of wires
- Funnel entry
- Insulation grip



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
18576*	26-22	.110	.020	Yellow	25



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23086*	22-18	.110	.020	Red	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23089*	16-14	.110	.020	Blue	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23090	22-18	.187	.020	Red	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23091	16-14	.187	.020	Blue	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23092	22-18	.250	.032	Red	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23097	16-14	.250	.032	Blue	50
MP23097	16-14	.250	.032	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C83006	14-12	.250	Yellow	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23077	12-10	.250	.032	Yellow	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23020-1*	12-10	.375	.032	Yellow	25

* No mating male push-on quick disconnects

Fully Insulated Double Male Push-On Receptacle



- Clear insulation allows easy inspection
- Nylon insulation



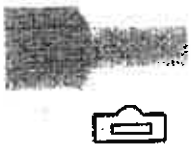
Part No.	Tab Size	Ins. Color	Unit
23541†	.250	Clear	25

†No funnel entry, no insulation grip
Mates with any non-insulated female push-on with .250 Tab Size

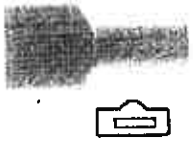
Bowma-Crimp® Fully Insulated Nylon Quick Disconnects

- A male and a female push-on encased in nylon; when connected, forms a fully insulated assembly
- Eliminates post-insulation
- Helps prevent shorting or flash-over when disconnected with power on
- Mating male and female available in four popular wire sizes
- The female housing fits entirely inside the male to form a fully insulated in-line splice
- Nylon insulation
- Funnel entry

Male Disconnect One Hump



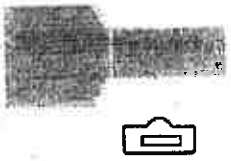
Part No.	Wire Size	Stud Size	Ins. Color	Unit
C97166	22-18	.250	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C99985	22-18	.187	Red	50

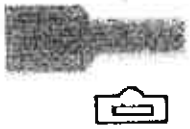


Part No.	Wire Size	Stud Size	Ins. Color	Unit
C99987	16-14	.187	Blue	50

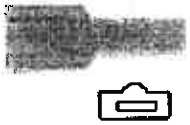


Part No.	Wire Size	Stud Size	Ins. Color	Unit
C97168	16-14	.250	Blue	50

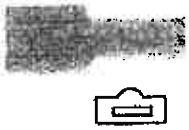
Female Disconnects One Hump



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C97165	22-18	.250	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C99986	22-18	.187	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C99988	16-14	.187	Blue	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C97167	16-14	.250	Blue	50
C97169	12-10	.250	Yellow	50

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bowma-Crimp® Fully Insulated Nylon Male Push-On Quick Disconnect, Two-Piece



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23084	22-18	.250	.032	Red	25



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23083	16-14	.187	.016	Blue	25



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23086	16-14	.250	.032	Blue	25



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23087-1	12-10	.250	.032	Yellow	25

Bowma-Crimp® Fully Insulated Nylon Female Push-On Quick Disconnects, Two-Piece



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
18579*	26-22	.110	.020	Yellow	25



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
22991*	26-22	.110	.020	Yellow	50



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23085	22-18	.250	.032	Red	25



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23082-1	16-14	.187	.016	Blue	25



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23087	16-14	.250	.016	Blue	25

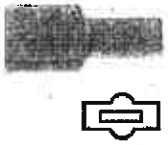


Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
23087-2	12-10	.250	.032	Yellow	25

* No mating male available; female used with switch and control tabs

Bowma-Crimp® Fully Insulated Nylon Three-Piece Male & Female Quick Disconnects with Insulation Grip Sleeve

Male Disconnects Fully Insulated Two Hump



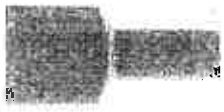
Part No.	Wire Size	Stud Size	Ins. Color	Unit
C95221	22-18	.187	Red	20



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C87673	22-18	.250	Red	20



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C814224	16-14	.187	Blue	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C85846	16-14	.250	Blue	50

Part No.	Wire Size	Stud Size	Ins. Color	Unit
C87672	12-10	.250	Yellow	50

Female Disconnects Fully Insulated Two Hump



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C95220	22-18	.187	Red	20



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C87674	22-18	.250	Red	50



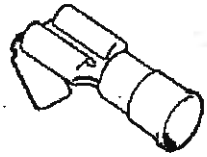
Part No.	Wire Size	Stud Size	Ins. Color	Unit
C85099	16-14	.187	Blue	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C85867	16-14	.250	Blue	50

Part No.	Wire Size	Stud Size	Ins. Color	Unit
C87671	12-10	.250	Yellow	50

Bowma-Crimp® Nylon-Insulated, Piggy-Back Quick Disconnects



- Used on Power Blocks, adds a secondary .250 Male Tab for easy addition of a secondary Female Push-on
- Funnel entry
- Insulation grip



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
18579	22-18	.250	.032	Red	25
MP18579	22-18	.250	.032	Red	5

Continued on next page

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Terminals

Continued from previous page



Part No.	Wire Size	Tab Size	Tab Thick	Ins. Color	Unit
18578	16-14	.250	.032	Blue	25
MP18578	16-14	.250	.032	Blue	5

Mates with any .250 Male-Tab that is not fully insulated

Flag Disconnects



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C39809	22-18	.187	Red	20



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C39810	22-18	.250	Red	20



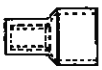
Part No.	Wire Size	Stud Size	Ins. Color	Unit
C39811	16-14	.187	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
C39812	16-14	.250	Blue	25

Mates with any .250 Male Tab that is not fully insulated

Bowmo-Crimp® Nylon-Insulated End Caps



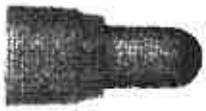
- Crimp style
- Nylon insulation
- Funnel entry



Part No.	Wire Size	Ins. Color	Unit
18568	22-14	White	25
MP18568	22-14	White	5

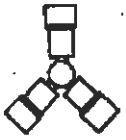


Part No.	Wire Size	Ins. Color	Unit
18567	16-10	White	25
MP18567	16-10	White	5



Part No.	Wire Size	Ins. Color	Unit
18566	18-8	White	25
MP18566	18-8	White	5

Three-Way Connectors



- Terminals tightly riveted together through the stud hole
- Nylon insulation
- Funnel entry
- Insulation grip



Part No.	Wire Size	Ins. Color	Unit
23015	22-16	Red	25
MP23015	22-16	Red	5



Part No.	Wire Size	Ins. Color	Unit
23036	16-14	Blue	25
MP23036	16-14	Blue	5



Part No.	Wire Size	Ins. Color	Unit
23076	12-10	Yellow	25
MP23076	12-10	Yellow	5

Four-Way Connectors



- Terminals tightly riveted together through the stud hole
- Nylon insulation
- Funnel Entry
- Insulation grip



Part No.	Wire Size	Ins. Color	Unit
23037	16-14	Blue	25



Part No.	Wire Size	Ins. Color	Unit
23037-1	12-10	Yellow	15

Male Wire Pins



- Designed for installation in compression blocks
- Commonly used in European equipment and for terminating stranded wire
- Nylon insulation
- Funnel entry
- Insulation grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23016	22-18	.070 x .075	Red	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23017	16-14	.070 x .075	Blue	50



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23018	12-10	.088 x .102	Yellow	50

No mating female; Male used with switch & control equipment

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Bowma-Crimp® Nylon Insulated Male Snap Plugs



- Funnel entry
- Insulation grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
22989	22-18	.157	Red	50
MP22989	22-18	.157	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
22988	22-18	.176	Red	50
MP22988	22-18	.176	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
18568	16-14	.156	White	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23099	16-14	.157	Blue	50
MP23099	16-14	.157	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23094	16-14	.176	Blue	50

Bowma-Crimp® Fully Insulated Nylon Female Snap Plugs



- Funnel entry



Part No.	Wire Size	Stud Size	Ins. Color	Unit
18560	22-18	.157	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
22986	22-18	.188	Red	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
18561	16-14	.156/.157	Blue	25



Part No.	Wire Size	Stud Size	Ins. Color	Unit
22987	16-14	.188	Blue	25

Bowma-Crimp® Fully Insulated Nylon Male Snap Plug



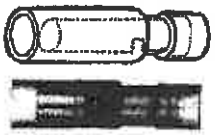
- Insulation Grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23079*	16-14	.156	Blue	25
C97144	16-14	.176	Blue	50

* Not Funnel entry

Bowma-Crimp® Fully Insulated Nylon Female Snap Plug



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23079-1*	16-14	.156	Blue	25

* Not Funnel entry

Bowma-Crimp® Fully Insulated Nylon Male Pin Plug



- Insulation Grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23078*	20-18	.079	Clear	25

* Not funnel entry

Bowma-Crimp® Fully Insulated Nylon Female Pin Plug



- Insuloffon Grip



Part No.	Wire Size	Stud Size	Ins. Color	Unit
23078-1*	20-18	.079	Clear	25

* Not Funnel entry

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Direct Bury Splice Kits



- Direct bury splice kits splice and effectively moisture seal two or more conductors for remote control circuits in irrigation and landscape lighting systems
- Designed for installation of underground electrical splices
- Kits contain two gel-filled polypropylene tubes, two Scotchlok® connectors, and instructions
- Temperature range: 32°F to 120°F
- 600 volt rating; two splices per kit
- UL listed

Part No.	Wire Combinations Solid or Stranded,	Unit
18542	Two No. 18; Two No. 12	1 Kit

Ty-Rap® Brand Cable Ties

Self-Locking Ty-Rap® Cable Ties

Tie body width .091"

- Natural standard nylon 6/6
- Features a stainless steel locking device in the head to maintain a grip of steel
- -40°F (-40°C) to 185°F (-85°C) continuous use
- Self-locking, tough nylon, non-conducting, non-magnetic and easy to use
- Exceeds minimum pull-out strength requirements specified in MIL-S-23190 (WEP)
- One-piece construction for long life reliability
- Wide cross section and stippled finish back provide a non-slip, wide bearing surface which requires fewer ties
- Withstand a wide range of climatic conditions; self-extinguishing material meets MIL-M-28693A

Tie body width .091"

Part No.	Length (In.)	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23921*	3.62	18	1/16 - 3/8	100
23921-M*	3.62	18	1/16 - 3/8	1000
C422501*	7.00	18	1/16 - 1 1/2	100
23954	8.00	18	1/16 - 2	100
C422602	8.00	18	1/16 - 2	1000
23955	14.00	18	1/16 - 4	100
C422603	14.00	18	1/16 - 4	1000

Tie body width .140"

Part No.	Length (In.)	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23922	5.50	40	1/16 - 1 1/8	100
23922-M	5.50	40	1/16 - 1 1/8	1000
23956	8.19	40	1/16 - 2	100
C422605	8.19	40	1/16 - 2	1000
C422606	11.10	40	1/16 - 3	100
23957	14.50	40	1/16 - 4	100
C422607	14.50	40	1/16 - 4	1000

Tie body width .184"

Part No.	Length (In.)	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23923*	7.31	50	1/16 - 1 3/4	100
23923-M*	7.31	50	1/16 - 1 3/4	1000
23952	11.41	50	1/16 - 3	25
23952-M	11.41	50	1/16 - 3	1000
23924*	14.19	50	1/16 - 4	50
23924-M	14.19	50	1/16 - 4	1000

Tie body width .270"

Part No.	Length (In.)	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23925	8.00	120	3/16 - 2	25
23927*	13.38	120	3/16 - 3 1/2	50
23927-M	13.38	120	3/16 - 3 1/2	500
C422513	18.80	120	3/16 - 5	50
C422514	24.30	120	3/16 - 7	50
23935*	30.80	120	1 1/2 - 9	25

* recognized

Tie body width .301"

Part No.	Length (In.)	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
C422515	30.00	120	1 1/2 - 9	50

Self-Locking Ty-Rap® Cable Straps & Mounting Ties

- Adjustable so they eliminate a large inventory of plastic and metal fasteners
- Various style mounting heads let you choose the method of fastening you desire—bolts, push-in or nails

Tie body width .091"

Part No.	Length (In.)	Mounting Hole	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
C422536*	4.00	#4	18	1/16 - 3/8	100

Tie body width .184"

Part No.	Length (In.)	Mounting Hole	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
C422536	5.96	3/16	40	1/16 - 1 1/2	100
C422537	6.00	#8	40	1/16 - 1 1/8	100

Tie body width .143"

Part No.	Length (In.)	Mounting Hole	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23924*	7.8	#10	50	1/16 - 1 3/4	100
C422542	7.8	1/4	50	1/16 - 1 3/4	50
23926	14.6	#10	50	1/16 - 4	25

Tie body width .270"

Part No.	Length (In.)	Mounting Hole	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23929	13.9	1/4	120	3/16 - 3 1/2	25

Tie body width .184"

Part No.	Length (In.)	Mounting Hole	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23934†	7.8	1/4	50	1/16 - 1 3/4	50

†Panel thickness .040 - .156
Recognized

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

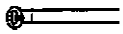
Self-Locking Ty-Rap® Cable Ties

For Outdoor Use

- Ultraviolet resistance nylon 6/6
- Resist deterioration from exposure to ultra-violet light for up to 20 years
- Features a stainless steel locking device in the head to maintain a grip of steel
- -40°F (-40°C) to 185°F (-85°C) continuous use
- Self-locking, tough nylon, non-conducting, non-magnetic and easy to use
- Exceeds minimum pull-out strength requirements specified in MIL-S-23190 (WEP)
- One-piece construction for long life reliability
- Wide cross section and stippled finish back provide a non-slip, wide bearing surface which requires fewer ties

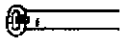
Tie body width .091"

Part No.	Length (In.)	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23921-X	3.62	18	1/16 - 5/8	100
23921-XM	3.62	18	1/16 - 5/8	1000
C422519	7.00	18	1/16 - 1 1/2	1000
23954-X	8.00	18	1/16 - 2	100
23955-X	14.00	18	1/16 - 4	100



Tie body width .140"

Part No.	Length (In.)	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23922-X	5.50	40	1/16 - 1 1/4	100
23922-XM	5.50	40	1/16 - 1 1/4	1000
23956-X	8.19	40	1/16 - 2	100
C422524	11.10	40	1/16 - 3	100
23957-X	14.50	40	1/16 - 4	100



Tie body width .184"

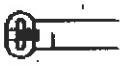
Part No.	Length (In.)	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23923-X	7.31	50	1/16 - 1 3/4	100
23923-XM	7.31	50	1/16 - 1 3/4	1000
23932-X	11.41	50	1/16 - 3	25
23932-XM	11.41	50	1/16 - 3	1000
23926-X	14.19	50	1/16 - 4	50
23926-XM	14.19	50	1-16 - 4	1000



Tie body width .270"

Part No.	Length (In.)	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23925-X	8.00	120	3/16 - 2	25
23927-X	13.38	120	3/16 - 3 1/2	50
C422531	18.00	120	3/16 - 5	50
C422532	24.30	120	3/16 - 7	50
23935-X	30.00	120	1/16 - 9	25

NOTE: Alternate quantities available, — A part numbers. See price book.



Tie body width .301"

Part No.	Length (In.)	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
C422539	30.90	120	1 1/2 - 9	50

Self-Locking Ty-Rap® Cable Straps and Mounting Ties

For Outdoor Use



- Black
- Nylon 6/6 weather-resistant material
- Ultraviolet resistant
- -40°F (-40°C) to 185°F (-85°C)
- Adjustable so they eliminate a large inventory of plastic and metal fasteners
- Various style mounting heads let you choose the method of fastening you desire - bolts, push-in or nails

Tie body width .091"

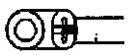
Part No.	Length (In.)	Mounting Hole	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
C422543	4.00	#4	18	1/16 - 5/8	100

Tie body width .140"

Part No.	Length (In.)	Mounting Hole	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
C422544	6.80	#8	40	1/16 - 1 1/4	100

Tie body width .184"

Part No.	Length (In.)	Mounting Hole	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23924-X	7.8	No. 10	50	1/16 - 1 3/4	100
23928-X	14.6	No. 10	50	1/16 - 4	25



Tie body width .301"

Part No.	Length (In.)	Mounting Hole	Min. Tensile Holding Strgth (Lbs.)	Dia. Range (In.)	Unit
23919-X	13.9	1/4	120	3/16 - 3 1/2	25

Self-Locking Ty-Rap® Identification Tie & Marking Pen



- Identifies Ty-Rap® with 1/2" x 3/8" marking pad
- Easy-to-use, low-cost system for identifying leads, tubes, etc. at time of installation
- .184 width x 7.25 length ties 50 lb. minimum tensile unlocking strength
- 3/4" to 1 3/4" wire bundle range for ties
- The marking pen permanently identifies Ty-Rap® secured leads

Part No.	Description	Unit
23943	Identification ties	25
23940	Black, no smear ink pen	1

Wire Bundling Ty-Rap®

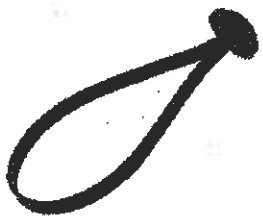
Chassis/Panel Mount Tie



- One-piece design fastens cables, hoses, or tubing to structural frame rails on trucks and heavy-duty equipment
- Rivet style head gives equipment a clean finished appearance — won't cut or chafe cables
- Grooved inner surface maintains a tight grip to avoid slippage under vibration
- Black nylon construction resists corrosion
- Broad clamping range of 1/16" to 2 3/4" replaces many sizes and types of metal clamps and rivets to reduce inventory
- Replaces GM No. 15517469

Part No.	Dimensions Length (In.)	Width (In.)	Bundle Range (In.)	Min. Tensile Holding Strgth (Lbs.)	Unit
23985	9.65	.225	1/16 - 2 3/4	65	25

Button Head Cable Ties



- Two-piece, all plastic design provides for parallel entry and exit through the head
- Continuously serviceable at 195°F; used extensively on truck frames to hold wire and hoses
- Black color resists UV light and the weather

Part No.	Body Width (In.)	Length (In.)	Max. Wire Bundle Dia. (In.)	Tensile Strength (Lbs.)	Unit
C8840199	1/2	9 1/4	2 3/4	100	25

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Wire- Automotive & Vehicle

Primary Wire

Plastic Insulated Wire

Single Conductor Wire



- 50 volts maximum
- Temperatures range: -20°C (-68°F) to +60°C (+140°F)
- Resists moisture, weather, heat, oil, abrasion and aging
- PVC (polyvinylchloride) insulation
- Stranded copper conductor
- Exceeds ATA standards
- Meets SAE J1128 Type GPT specs
- 100 ft. plastic spool/1000 ft. metal spool

Wire Gauge No. 18

- 16 strands of 30GA
- Nominal OD–.09

Part No. 100 ft.	1000 ft.	Color	Unit
23410	—	White	1
23411	—	Red	1
23411-2	—	Black	1
23412	—	Green	1
23413	—	Brown	1
23413-1	—	Blue	1
23414	—	Yellow	1

Wire Gauge No. 16

- 19 strands of 29GA
- Nominal OD–.105

Part No. 100 ft.	1000 ft.	Color	Unit
23425	23425-1	White	1
23426	23430	Red	1
23438	23438-1	Black	1
23427	23427-1	Green	1
23428	23428-1	Brown	1
23424	—	Blue	1
23429	—	Yellow	1
23430-1	—	Orange	1
KP74921	—		1
KP74920	—		1

Wire Gauge No. 14

- 19 strands of 27GA
- Nominal OD–.123

Part No. 100 ft.	1000 ft.	Color	Unit
23440	23440-1	White	1
23441	23445	Red	1
23439-1	23439-3	Black	1
23442	23442-1	Green	1
23443	—	Brown	1
23439	23439-2	Blue	1
23444	23444-1	Yellow	1
23443-2	—	Orange	1
23446	—	Gray	1
KP74922	—	Orange	1
KP74923	—	Purple	1

Wire Gauge No. 12

- 19 strands of 25GA
- Nominal OD–.147

Part No. 100 ft.	1000 ft.	Color	Unit
23459	—	White	1
23460	—	Red	1
23459-1	—	Black	1
C11000	—	Green	1
C18999	—	Brown	1
C15198	—	Blue	1
C15199	—	Yellow	1

Wire Gauge No. 10

- 19 strands of 23GA
- Nominal OD–.183

Part No. 100 ft.	1000 ft.	Color	Unit
23467	—	White	1
23466	—	Red	1
23467-1	—	Black	1
C401107	—	Blue	1
C15201	—	Yellow	1

Wire Gauge No. 8

- 65 strands of 26GA
- Nominal OD–.230

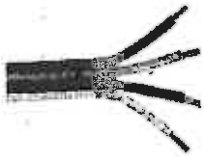
Part No. 100 ft.	1000 ft.	Color	Unit
23473	—	White	1
23472	—	Red	1
CB4023	—	Black	1

NOTE: All units are (1 Roll)

Multi-Conductor Primary Wire

Bonded Parallel Primary Wire

2, 3, 4 or 6 Conductors



- 50 volts maximum
- Resistant to moisture, weather, heat, oil, abrasion and aging
- Stranded copper conductor
- PVC (polyvinylchloride) insulation
- Bonded together for ease in handling
- Meets ATA standards
- Meets SAE J1128 Type GPT specs
- .100 foot per roll

Part No.	Ga. Size/No. of Cond.	Color Code*	Strands No. x Ga.	Nom. O.D.	Unit
23489-1	16/2	BR/W	19 x 29	.102 x .205	1 Roll
23489-2	16/3	BR/Y/G	19 x 29	.102 x .300	1 Roll
23489-3	16/4	BR/W/Y/G	19 x 29	.102 x .498	1 Roll
23486	14/2	R/W	19 x 27	.123 x .250	1 Roll
23487	14/3	R/W/B	19 x 27	.123 x .369	1 Roll
23487-1	14/3	G/Y/BR	19 x 27	.123 x .369	1 Roll
23488	14/3	R/W/B/Y	19 x 27	.123 x .492	1 Roll
23488-3	14/4	Y/G/BR/W	19 x 27	.123 x .492	1 Roll
KP23392	16/3	B/W/G	19 x 29		1Roll

Jacketed Parallel Primary Wire

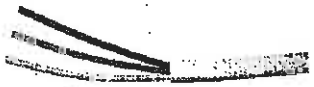
Two Conductor



- Insulated conductors covered with a heavy-duty jacket
- PVC (polyvinylchloride) insulating jacket
- Individual conductors have PVC insulation
- Recommended for trucks, buses, tractors, marine and general-purpose use
- Gray jacket color
- 100 foot per roll

Part No.	Ga. Size/No. of Cond.	Strands No. x Ga.	Color Code*	Nom. O.D.	Unit
KP23395	16/4		BK/W/G/R		1 Roll
23480	16/2	19 x 29	BK/W	.143 x .246	1 Roll
KP23396	14/4		BK/W/G/R		1 Roll
KP23393	14/3		BK/W/G		1 Roll
23482	14/2	19 x 27	BK/W	.163 x .286	1 Roll
KP23397	12/4		BK/W/G/R		1 Roll
KP23394	12/3		BK/W/G		1 Roll
23484	12/2	19 x 25	BK/W	.185 x .330	1 Roll
23481	10/2	19 x 23	BK/W	.218 x .396	1 Roll

Multi Conductor Flat Jacketed Tin Plated/Watertight Cable



- Tin plated copper wire is thermoplastic insulated, color-coded and covered with thermoplastic jacket to provide absolute water-tightness; flame retardant
- Temperature rated 167°F wet, 221°F dry; maximum voltage rating 600 volts
- Complies with U.S. Coast Guard, D.O.T., Part 183. 19-28 and UL specifications for AC or DC use

Part No.	Wire Gauge	No. of Conductors	Ft. per Spool	Wire Colors	Unit
KP76219	16	2	100	Black-White	1
KP76120	16	3	100	Black-White-Green	1
KP76221	14	2	100	Black-White	1
KP76222	14	3	100	Black-White-Green	1

*Color Reference Chart

Code	Color
B	— Blue
BK	— Black
BR	— Brown
G	— Green
R	— Red
W	— White
Y	— Yellow

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Speaker Wire

Speaker Wire
Two Conductor



- Clear (polyvinylchloride) rip type insulation
- Color-coded conductor (copper and tinned copper)

Part No.	Ga. Size/No. of Cond.	Color	Length (Ft.)	Unit
23476	2½	Gold & Silver	100	1 Roll
KP23418	16½	Gold & Silver	100	1 Roll
KP79248	16½	Gold & Silver	100	1 Roll

Trailer Cable

Trailer Cable
4, 6 or 7 Conductor



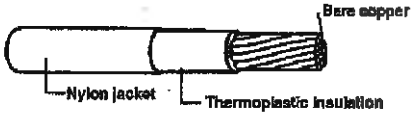
- Covered with a heavy-duty black Tuphoyzel® pf. size insulating jacket
- Withstands temperatures of -85° to +221°F (-29°C to +111°C); remains flexible at -70°F (-21°C)
- Stranded copper conductor
- High resistance to abrasives
- Resistant to oil, ozone, water, solvents and gasoline
- Meets ATA standards
- Meets SAE J559 specs
- Individual color-code conductors with Olefin rubber insulation

Part No.	Ga. Size/No. of Cond.	Color Code*	Nom. Length O.D.	(Ft.)	Unit
KP73491	16½	BK/W/BR/R	.420	100	1 Roll
23490	16½	BK/W/BR/R	.420	55	1 Roll
23491	16½	BK/W/BR/R/G/Y	.530	55	1 Roll
23492	16½	BK/W/BR/R/G/Y	.530	100	1 Roll
23497	16½	BK/W/BR/R/G/Y/B	.600	100	1 Roll
23494	12 & 10½*	BK/BR/R/G/Y/B/W	.690	55	1 Roll
23495	12 & 10½*	BK/BR/R/G/Y/B/W	.690	100	1 Roll
KP7104	8-10-12	R/W/BK/BR/G/Y/B	-	100	1 Roll
KP9745	16½	R/W/BK/BR/G/Y	-	100	1 Roll
KP60360	16½	R/W/BK/BR	-	100	1 Roll
KP73398	16½	BL/B	-	100	1 Roll

*Seven conductors: six at 12 gauge and one at 10 gauge

THHN Building Wire

THHN/THWN – TFFN/TFN
Building Wire



- Description:
  – Type THHN or THWN wire is a small diameter, general purpose 600-volt building wire. The thin, high-grade PVC insulation and smooth, tough, nylon jacket permits the easy use of more wires in a given size conduit. The wide range of listings by UL standard 83 include THWN-75°C wet or dry, THHN-90°C dry, machine tool wire 90°C dry, 60°C wet, appliance wire 105°C and sizes 14 through 10AWG, which are gasoline and oil resistant 75°C, VW-1 rated.
- Conductor:
  – Fully annealed stranded bare copper
  – Free stripping
- Insulations:
  – Thermoplastic insulated (PVC)
- Jacket:
  – Tough polyamide nylon armor
  – Temperature range:
  THHN: 90°C dry — NEC standard
  THWN: 75°C wet, dry or in oil – NEC standard
  AWM: -20° to 105°C
  – High tensile strength: 2600 psi
  – High dielectric strength: 2000V test potential
- Features:
  – Resistant to oils, gasoline, water, acids, ozone, alkalines, sunlight, and abrasion
- Industry approvals:
  – UL, OSHA acceptable
- Applications:
  – General purpose building wire, fixture raceways, conduit and tubing raceways, internal wiring of fixtures

WIRE GAUGE 14 THHN – THWN

- Copper conductor 19 strands

Part No.	Color Code	Insulation Thickness	Jacket Thickness	Nylon Nom. O.D. (In.)	Unit (Ft.)
17914N	Black	.015	.004	.117	500
17916N	White	.015	.004	.117	500
17915N	Red	.015	.004	.117	500
17897N	Blue	.015	.004	.117	500
17917N	Green	.015	.004	.117	500
17898N	Yellow	.015	.004	.117	500
17899N	Orange	.015	.004	.117	500
17900N	Brown	.015	.004	.117	500
17901	Purple	.015	.004	.117	500
17902	Pink	.015	.004	.117	500
17903N	Gray	.015	.004	.117	500

WIRE GAUGE 14 THHN – THWN

- Solid copper conductor

Part No.	Color Code	Insulation Thickness	Jacket Thickness	Nylon Nom. O.D. (In.)	Unit (Ft.)
14-THHNSOL-BLK	Black	.015	.004	.104	500
14-THHNSOL-WHT	White	.015	.004	.104	500
14-THHNSOL-RED	Red	.015	.004	.104	500
14-THHNSOL-BLU	Blue	.015	.004	.104	500
14-THHNSOL-GRN	Red	.015	.004	.104	500
14-THHNSOL-YEL	Yellow	.015	.004	.104	500
¤14-THHNSOL-ORG	Orange	.015	.004	.104	500
¤14-THHNSOL-BRW	Brown	.015	.004	.104	500
¤14-THHNSOL-PUR	Purple	.015	.004	.104	500
¤14-THHNSOL-PNK	Pink	.015	.004	.104	500
¤14-THHNSOL-GRY	Gray	.015	.004	.104	500

WIRE GAUGE 12 THHN – THWN

- Copper conductor 19 strands

Part No.	Color Code	Insulation Thickness	Jacket Thickness	Nylon Nom. O.D. (In.)	Unit (Ft.)
17918N	Black	.015	.004	.117	500
17920N	White	.015	.004	.117	500
17919N	Red	.015	.004	.117	500
17905N	Blue	.015	.004	.117	500
17921N	Green	.015	.004	.117	500
17906N	Yellow	.015	.004	.117	500
17907N	Orange	.015	.004	.117	500
17908N	Brown	.015	.004	.117	500
17909	Purple	.015	.004	.117	500
17926N	Pink	.015	.004	.117	500
17927N	Gray	.015	.004	.117	500

WIRE GAUGE 12 THHN – THWN

- Solid Copper Conductor

Part No.	Color Code	Insulation Thickness	Jacket Thickness	Nylon Nom. O.D. (In.)	Unit (Ft.)
12-THHNSOL-BLK	Black	.015	.004	.121	500
12-THHNSOL-WHT	White	.015	.004	.121	500
12-THHNSOL-RED	Red	.015	.004	.121	500
12-THHNSOL-BLU	Blue	.015	.004	.121	500
12-THHNSOL-GRN	Red	.015	.004	.121	500
12-THHNSOL-YEL	Yellow	.015	.004	.121	500
12-THHNSOL-ORG	Orange	.015	.004	.121	500
12-THHNSOL-BRW	Brown	.015	.004	.121	500
12-THHNSOL-PUR	Purple	.015	.004	.121	500
12-THHNSOL-PNK	Pink	.015	.004	.121	500
12-THHNSOL-GRY	Yellow	.015	.004	.121	500

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Wire Accessories

Wire Marker Tapes



- .215 in. x 8 ft. rolls available in Nos. 0 through 9
- Black numerals on white tape
- Reinforced 5.5 mil epoxy film tape with pressure sensitive adhesives
- Non-smear material resists abrasion, oil and water
- High tack adhesive adheres to clean neoprene, Hypalon, nylon and PVC insulation materials
- Flame-retardant, excellent readability at high temperatures

Part No.	Tape No.	Unit
CB9425	0	1
CB9416	1	1
CB9417	2	1
CB9418	3	1
CB9419	4	1
CB9420	5	1
CB9421	6	1
CB9422	7	1
CB9423	8	1
CB9424	9	1

Tape Dispenser



- Use with wire marker tapes (CB9416 through B9425)
- Marker tapes not included
- Holds up to 10 rolls of tape

Part No.	Description	Unit
CB9415	Tape dispenser	1

Ideal Yellow 77® Wire-Pulling Lube



- Wax-based formulation that is exceptionally slippery and protects cable during the pulling process
- It is easy to apply, consistent in quality and specially suited for non-stop, long-distance pulls
- UL listed and CSA certified

Part No.	Wire Combination Range	Unit
IDL-31-358	1-qt. Squeeze Bottle	1

Ideal T® Stripper Wire Strippers



- Quality built strippers that feature looping holes and a built-in wire cutter
- The precision knife-type blades allow for an accurate, easy strip every time
- Equipped with a colorful, cushioned, plastic grip that offers comfort and high visibility

Part No.	Description	Wire Range	Unit
IDL-45-120	Standard T-S®	18-28 AWG Solid	1
KP28000	Standard T	16-26 AWG-Standard	1
KP28001	Standard T	8-16 AWG- Standard	1

Ideal® Reflex™ Premium Super T®-Stripper Wiring Tool



All of the T®-Stripper features plus:

- Contoured, comfort grip handles to reduce operator fatigue
- Ergonomic design for maximum comfort
- Curved handles to reduce wrist fatigue, with locking feature
- Sleeves that extend to stripping head to cushion thumb and fingers
- 6/32 and 8/32 screw cutting holes
- Made in the U.S.A.

Kar No.	Description	Handle Color
KP28002	8-16 AWG-Solid Wire	Yellow
KP150600	14-25 AWG-Stranded	Red
KP150601	8-16 AWG-Stranded	Red

ALL UNIT QTY: 1

Heat Shrink Tubing

Thin Wall Heat Shrink Tubing

- Radiation cross-linked tubing constructed of flame retarded polyolefin; lightweight harness jackets
- Excellent physical, chemical and electrical properties
- 50% shrinkage ratio
- Designed for a wide range of applications, insulating and wire strain relief
- Operating temperature -67°F to +275°F (-55°C to +135°C) rated to 600 volts
- Meets MIL-I-23053/5 Class 1 and MIL-R-46846 Type V

Part No.	Color	For 2-Way Connectors Cable Sizes	Length	I.D. Min. Exp./ Max. Rec.	Unit
23530	Black	28-24 AWG	4"	.063/.031	20
KP26374	Clear	28-24 AWG	6	.063/.031	10
23539	Green	22-18 AWG	4"	.125/.062	20
23539-R	Green	22-18 AWG	25'	.125/.062	1 Roll
CA23910	Clear	22-18 AWG	2"	.125/.062	10
CA23906	Clear	22-18 AWG	25'	.125/.062	1 Roll
KP23915	Red	18-14 AWG	6	.187/.093	10
23540	Yellow	16-14 AWG	4"	.187/.093	20
CB4024	Yellow	16-14 AWG	2'	.187/.093	5
23540-R	Yellow	16-14 AWG	25'	.187/.093	1 Roll
CA23909	Clear	16-14 AWG	25'	.187/.093	1 Roll
23541	Blue	12-10 AWG	4"	.250/.125	20
CB4025	Blue	12-10 AWG	2'	.250/.125	5
23541-R	Blue	12-10 AWG	25'	.250/.125	1 Roll
CA23912	Clear	12-10 AWG	2"	.250/.125	10
CA23910	Clear	12-18 AWG	25'	.250/.125	1 Roll
KP23921	Black	12-10 AWG	6	.312/.156	10
23542	Red	8-6 AWG	6"	.375/.187	20
CB4026	Red	8-6 AWG	2'	.375/.187	5
23542-R	Red	8-6 AWG	25'	.375/.187	1 Roll
CA23913	Clear	8-6 AWG	2"	.375/.187	10
CA23911	Clear	8-6 AWG	25'	.375/.187	1 Roll
23543	Black	4-2 AWG	6"	.500/.250	10
CB4027	Black	4-2 AWG	2'	.500/.250	5
23543-R	Black	4-2 AWG	25'	.500/.250	1 Roll
CA23912	Clear	4-2 AWG	25'	.500/.250	1 Roll
23544	White	2, 1, 1/0 & 3/0 AWG	6"	.750/.375	10
CB4028	White	2, 1, 1/0 & 3/0 AWG	6"	.750/.375	10
23544-R	White	1/0 AWG	25'	.750/.375	5
23545	Orange	3/0, 4/0, 250 & 350 MCM	6"	1.000/.500	5

Super Shrink Thin Wall Heat Shrink Tubing (continued)

Disk Pack



- Has all the same features, benefits and specifications as Kar's standard thin wall polyolefin heat shrink tubing
- Dispenser is designed to hold the tubing in place for easy cutting and provides for visual stock status along with convenient storage
- Disk pack contains 8 feet of tubing

Part No.	Tube Color	Tube Dia.	Tube I.D. Exp. Rec.	Wire Range	Wall Thickness
KP26357	Black	1/8	.125 .062	22-18	.020
KP26363	Red	1/8	.125 .062	22-18	.020
KP26356	Black	1/4	.250 .125	16-14	.025
KP26364	Blue	1/4	.250 .125	16-14	.025
KP26359	Black	5/16	.312 .156	12-18	.025
KP26365	Yellow	5/16	.312 .156	12-10	.025
KP26360	Black	3/8	.375 .187	10-8	.025
KP26361	Black	1/2	.500 .250	8-4	.025
KP26362	Black	3/4	.750 .375	2/0	.030

ALL UNIT QTY: 1

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Thin Wall Low-Temp Heat Shrink Tubing



- Flexible, polyolefin black tubing
- Minimum shrink temperature of 194°F (+90°C) greatly reduces installation time and the potential for damage to components caused by high heat
- 2 to 1 shrinkage ratio
- Rated for continuous operation from -67°F to +275°F (-55°C to +135°C)
- Meets MIL-I-23053/5 Class 1 & 3 specifications
- Meets UL and CSA specifications

Part No.	I.D. Min. Exp./ Max. Rec.	Nom. Size (In.)	AWG	Length (In.)	Unit
23615	.046/.023	3/64	30 - 28	6	10
*23615-R	.046/.023	3/64	30 - 28	25ft.	1 Roll
23616	.063/.031	1/16	28 - 26	6	10
23616-R	.063/.031	1/16	28 - 26	25ft.	1 Roll
23617	.093/.046	3/32	24 - 22	6	10
23617-R	.093/.046	3/32	24 - 22	25ft.	1 Roll
23618	.125/.062	1/8	20 - 18	6	10
23618-R	.125/.062	1/8	20 - 18	25ft.	1 Roll
23619	.187/.093	3/16	16 - 14	6	10
23619-R	.187/.093	3/16	16 - 14	25ft.	1 Roll
23620	.250/.125	1/4	12 - 10	6	10
23620-R	.250/.125	1/4	12 - 10	25ft.	1 Roll
23621	.375/.187	3/8	8 - 6	6	10
23621-R	.375/.187	3/8	8 - 6	25ft.	1 Roll
23622	.500/.250	1/2	4 - 2	6	5
23622-R	.500/.250	1/2	4 - 2	25ft.	1 Roll
23623	.750/.375	3/4	1 - 1/0	6	5
23623-R	.750/.375	3/4	1 - 1/0	25ft.	1 Roll
23624	1.000/.500	1	3/0 - 1/0	6	5
23624-R	1.000/.500	1	3/0 - 1/0	25ft.	1 Roll
23625	1.500/.750	1 1/2	1/0 - 400MCM	6	2
*23625-R	1.500/.750	1 1/2	1/0 - 400MCM	25ft.	1 Roll
23626	2.00/1.000	2	1.0" - 1.8" Dia	6	2
*23626-R	2.00/1.000	2	1.0" - 1.8" Dia	25ft.	1 Roll
23627	3.00/1.500	3	1.5" - 2.8" Dia	6	2
*23627-R	3.00/1.500	3	1.5" - 2.8" Dia	25ft.	1 Roll
23628	4.00/2.000	4	2.0" - 3.8" Dia	6	2
*23628-R	4.00/2.000	4	2.0" - 3.8" Dia	25ft.	1 Roll

Melt 'N Seal Medium Wall Low-Temp Heat Shrink Tubing

Translucent with Adhesive Sealant



- A polyolefin multi wall heat shrink tubing that turns a clear tinted color after heating (Tubing is marked with wire range)
- Used in electrical and mechanical applications and provides resistance to the environment
- Meets NEC code for dry and damp location use

Operating Temp.	—65° to 230°C
Min. Shrink Temp.	—250°F
Shrink Ratio	—2.5 to 1
Elongation	—400%
Longitudinal	—+/-5%
Tensile	—2,100psi
Dielectric	—680 volts/mil
Mil. Spec.	—MIL-I-23053/4
Flame Retardant	—Jacket only
Tubing Type	—Semi-rigid

Part No.	OAL	Tube Color	Tube Dia.	Unit
KP81639	1½	Red	9/16	25
KP81640	1½	Blue	¼	25
KP81641	1½	Yellow	5/1	25
KP81636	6	Red	9/16	6
KP81637	6	Blue	¼	6
KP81638	6	Yellow	5/16	6

Part No.	Tube I.D. Exp. Rec.	Wire Range	Wall Thickness	Unit
KP81639	.187 .075	22-18	.047	25
KP81640	.250 .100	16-14	.047	25
KP81641	.312 .125	12-10	.050	25
KP81636	.187 .075	22-18	.047	6
KP81637	.250 .100	16-14	.047	6
KP81638	.312 .125	12-10	.050	6

Dual Wall Heat Shrink Tubing

With Adhesive Sealant



- Clear polyolefin tubing
- Excellent chemical resistance
- Ideal for splicing and insulating applications — provides high dielectric strength
- 4 to 1 shrink ratio
- Meets MIL-I-23053/4 Class 3 specifications
- Rated for continuous operation from -22°F to +238°F (-30°C to +110°C)

Part No.	For 2-Way Connectors Cable Sizes	I.D. Min. Exp./Max. Rec.	Length (In.)	Unit
C95990	14-12 AWG	.187/.060	6	5
23546	12-10 AWG	.293/.065	6	5
23547	8-6 AWG	.427/.095	6	5
23548	4-2 AWG	.730/.175	6	5

Dual Wall Heat Shrink Tubing

With Adhesive Liner



- Radiation cross-linked black tubing constructed of flame retarded polyolefin
- Excellent physical, chemical and electrical properties: resists vibration, abrasion, and corrosion while providing superior strain relief
- 3 to 1 shrinkage ratio
- As tubing shrinks, the adhesive liner melts and flows to seal and encapsulate
- Rated for continuous operation from -31°F to +230°F (-35°C to +110°C)
- Minimum shrink temperature +257°F (+125°C)
- Meets MIL-I-23053/4** Class 3 specifications
- UL and CSA recognized

Black

Part No.	Nom. Size (In.)	AWG	I.D. Min. Exp./ Max. Rec.	Length (In.)	Unit
23630	1/8	22 - 18	.125/.040	6	5
23630-1	1/8	22 - 18	.125/.040	4ft.	2
23631	3/16	16 - 14	.187/.060	6	5
23631-1	3/16	16 - 14	.187/.060	4ft.	2
23632	¼	12 - 10	.250/.080	6	5
23632-1	¼	12 - 10	.250/.080	4ft.	2
23633	3/8	8 - 6	.375/.120	6	5
23633-1	3/8	8 - 6	.375/.120	4ft.	2
23634	½	4 - 2	.500/.157	6	5
23634-1	½	4 - 2	.500/.157	4ft.	2
23635	¾	2 - 1/0	.750/.230	6	2
23635-1	¾	2 - 1/0	.750/.230	4ft.	1
23636	1	3/0 - 350MCM	1.000/.320	6	2
23636-1	1	3/0 - 350MCM	1.000/.320	4ft.	1

Red

Part No.	Nom. Size (In.)	AWG	I.D. Min. Exp./ Max. Rec.	Length (In.)	Unit
C88L2732	.4	14 - 6 AWG	.15	6	5
C88K3698	¾	8 - 1 AWG	.25	6	5
C88N9814	1.1	2 - 3/0 AWG	.375	6	5

** With the exception of low temperature flexibility, elongation and tensile strength after field installation.

Dual Wall Heat Shrink Tubing With Adhesive Liner



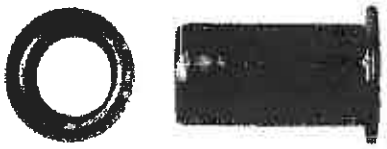
- Black or red
- Multiple wall polyolefin tubing with meltable, integral inner wall
- Excellent physical, chemical, and electrical properties; resists vibration, abrasion, and corrosion while providing superior strain relief
- 2.5 to 1 shrinkage ratio
- As tubing shrinks, the adhesive liner melts and flows to seal and encapsulate
- Minimum shrink temperature of 275°F (350°C)
- Operating temperature of -67°F to 230°C
- Meets MIL-I-23053/4, class 1 and AMS 3634 specifications
- Provides high dielectric strength
- To be used with Bowman battery slugs (Part Nos. 17227-17233)

Part No.	Nominal Size (In.)	Color	AWG	Unit
23637-B	½	Black	6 GA.	5
23637-R	½	Red	6 GA.	5
23638-B	¾	Black	2, 1, 1/0 and 2/0	5
23638-R	¾	Red	2, 1, 1/0 and 2/0	5
23639-B	1	Black	3/0 & 4/0	5
23639-R	1	Red	3/0 & 4/0	5
KP26355	½	Red	8-4	6
KP26354	3/16	Red	20-14	6
KP26355	¼	Blue	18-10	6
KP75465	¼	Black	30-18	6
KP75466	3/16	Black	20-14	6
KP75467	¼	Black	18-10	6
KP75468	⅜	Black	12-6	6
KP75469	½	Black	8-4	6
KP75470	¾	Black	4-2/0	6

NOTE: B = Black, R = Red

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

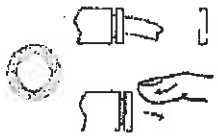
Tube Support Inserts



- Replacement inserts for any Barnes Quick Fit Fitting
- Tube support reinforcing the slotted collet's grip on the tubing O.D. providing a stronger connection
- ALL UNIT QTY: 10

Part No.	Tube O.D. (In.)
KP79601	¼
KP79602	⅜
KP79603	½

Manual Release Buttons



- Mounts by simply snapping release button onto any Kor Quick Fit Fitting
- Allows fast, easy removal of the tubing by hand without using a disconnecting tool or screwdriver
- 3/8" and 1/2" tube size fittings have non-removable release buttons
- ALL UNIT QTY: 10

Part No.	Tube O.D. (In.)
KP13895	¼
KP79169	½

NOTE: Approved for all air brake applications except those designed for use between frame and axle or between towed and towing vehicle.

Male Connector

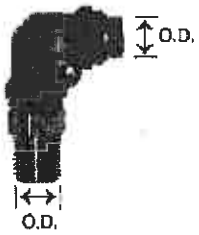
Tube to male N.P.T.



Part No.	Tube O.D. (In.)	T N.P.T.	Unit
KP79031	¼	⅛	10
KP79032	¼	¼	10
LG1006	⅜	⅛	5
KP79033	⅜	⅜	10
KP79034	⅜	¼	6
KP79035	⅜	⅜	6
KP79036	⅜	½	6
KP79037	½	¼	6
KP79038	½	⅜	6
KP79039	½	½	6

Male Elbow

Tube to male N.P.T.

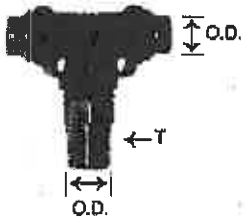


This fitting swivels 360° on its threaded base

Part No.	Tube O.D. (In.)	T N.P.T.	Unit
KP79040	¼	⅛	10
KP79041	⅛	¼	10
KP79042	¼	⅜	10
KP79043	⅜	¼	6
KP79044	⅜	⅜	6
KP79045	⅜	½	6
KP79046	½	¼	6
KP79047	½	⅜	6
KP79048	½	½	6

Male Branch Tee

Tube to male N.P.T. to tube

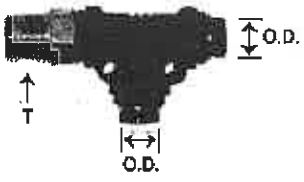


This fitting swivels 360° on its threaded base

Part No.	Tube O.D. (In.)	T N.P.T.	Unit
KP79049	¼	¼	6
KP79050	⅜	¼	4
KP79051	⅜	⅜	4
KP79052	½	⅜	2

Male Run Tee

Tube to tube to male N.P.T.



This fitting swivels 360° on its threaded base

Part No.	Tube O.D. (In.)	T N.P.T.	Unit
KP79053	¼	⅛	6
LG1003	¼	¼	7
KP79054	⅜	¼	4
KP79055	⅜	⅜	4

Straight Female Connector

Tube to female N.P.T.



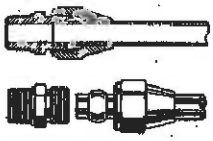
Part No.	Tube O.D. (In.)	T N.P.T.	Unit
LG1007	5/32	⅛	1
KP79057	¼	⅛	6
KP79058	¼	¼	6
KP79059	⅜	¼	4
KP79060	⅜	⅜	4

NOTE: Approved for all air brake applications except those designed for use between frame and axle or between towed and towing vehicle.
Manual release buttons are available separately.

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Air Brake- For Copper Tubing- DOT

Air Brake For Copper



Application:

Automotive air brake systems.

Pressure:

Exceeds pressure requirements of all automotive air brake systems.

Temperature:

-65°F to 250°F

Used With:

Copper tubing in air brake systems.

Advantages:

Low cost, availability, no flare required, easy to assemble.

Approvals:

SAE automotive tube fittings standards for extruded and forged fittings. Meets military specifications.

Note:

Be sure to use proper sleeve.
The spherical sleeve compression type fittings are intended for use with annealed copper alloy tubing per SAE J1149, Type I.

Cock, Drain



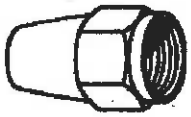
Part No.	Ind. Dash No.	Male Pipe Thread (in.)	Unit
W15810	-4	¼	5

Sleeves



Part No.	Parker No.	Tube Size (in.)	Unit
W-00457	60AB-4	¼	25
KP74330	—	5/16	25
W-00361	60AB-6	⅜	25
W-03751	60AB-8	½	20
W-10612	60AB-10	⅝	10
W-03897	60AB-12	¾	10

Nuts



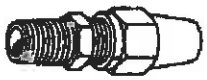
Part No.	Parker No.	Tube Size (in.)	Unit
W-00655	61AB-4	¼	10
KP74334	—	5/16	10
W-00360	61AB-6	⅜	20
W-03753	61AB-8	½	5
W-10613	61AB-10	⅝	10
W-03896	61AB-12	¾	5

Unions



Part No.	Parker No.	Tube Size (in.)	Unit
W-05518	62AB-4	¼	5
KP77274	—	5/16	5
W-05134	62AB-6	⅜	5
W-15710	62AB-8	½	5
W-11896	62AB-10	⅝	10
W-18523	62AB-12	¾	5

Male Connector



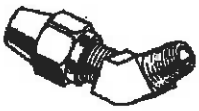
Part No.	Parker No.	Tube Size (in.)	Male Pipe Thread (in.)	Unit
W-05127	68AB-4-2	¼	⅛	5
W-05184	68AB-4-4	¼	¼	5
C99827	68AB-4-6	¼	⅜	5
KP27598	—	5/16	⅛	5
KP27580	—	5/16	¼	5
W-05509	68AB-6-2	⅜	⅛	5
W-05458	68AB-6-4	⅜	¼	10
W-05824	68AB-6-6	⅜	⅜	10
W-22043	68AB-6-8	⅜	½	5
W-17699	68AB-8-4	½	¼	10
W-17525	68AB-8-6	½	⅜	5
W-17691	68AB-8-8	½	½	10
W-16685	68AB-10-6	⅝	⅜	5
W-16684	-	⅝	½	10
W-17627	68AB-12-8	¾	½	5
W-15762	68AB-12-12	¾	¾	5

Female Connector



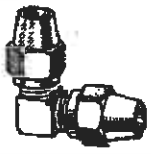
Part No.	Parker No.	Tube Size (in.)	Female Pipe Thread (in.)	Unit
C99832	66AB-4-2	¼	⅛	5
C99834	66AB-6-2	⅜	⅛	2
W-05128	66AB-6-4	⅜	¼	5
W-05127	66AB-6-6	⅜	⅜	5
W-15711	66AB-8-6	½	⅜	5
C99838	66AB-8-8	½	½	2
C99839	66AB-10-6	⅝	⅜	2
C99840	66AB-10-5	⅝	½	2

45° Male Elbow



Part No.	Parker No.	Tube Size (in.)	Pipe Thd. (in.)	Unit
C99874	279AB-6-2	⅜	⅛	2
W-28722	279AB-6-4	⅜	¼	10
W-28293	279AB-6-6	⅜	⅜	5
C99877	279AB-6-8	⅜	½	2
W-28292	279AB-8-6	½	⅜	5
C99879	279AB-8-8	½	½	2
W-21065	279AB-10-8	⅝	½	5

Union Elbow



Part No.	Parker No.	Tube Size (in.)	Unit
W-05113	265AB-6	⅜	5
W-22859	265AB-8	½	5
W-21066	265AB-10	⅝	5

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

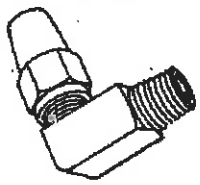
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

90° Male Elbow



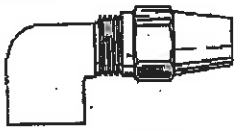
Part No.	Parker No.	Tube Size (In.)	Pipe Thd. (In.)	Unit
W-03899	269AB-4-2	¼	⅛	5
W-34818	269AB-4-4	¼	¼	5
KP27316	—	5/16	⅛	5
KP27317	—	5/16	¼	5
W-05521	269AB-6-2	⅜	⅛	5
W-05102	269AB-6-4	⅜	¼	10
W-05529	269AB-6-6	⅜	⅜	5
W-21042	269AB-6-8	⅜	½	10
W-20479	269AB-8-4	½	¼	10
W-15709	269AB-8-6	½	⅜	10
W-16316	269AB-8-8	½	½	5
W-21992	269AB-10-6	5/8	⅜	10
W-21935	269AB-10-8	5/8	½	5
C9931	269AB-12-8	¾	½	5

Male Elbow, Long Type



Part No.	Ind. Dash No.	Tube Size (In.)	Male Pipe Thread (In.)	Unit
W-22858	6-4	⅜	¼	10
W-17061	8-6	½	⅜	10
W-17500	12-8	¾	½	5

Female Elbow



SAE No. 129203 BA

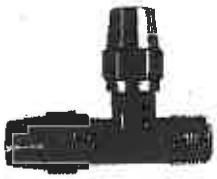
Part No.	Parker No.	O.D. (In.)	Pipe Size	Straight Thread Size	Unit
C9104	270AB-4-2	¼	⅛	7/16-24	5
C9105	270AB-4-4	¼	¼	7/16-24	5
C9051	270AB-6-2	⅜	⅛	11/32-24	2
C9052	270AB-6-4	⅜	¼	11/32-24	2
C9053	270AB-6-6	⅜	⅜	11/32-24	2
C9054	270AB-8-6	½	⅜	15/16-20	2
C9055	270AB-8-8	½	½	15/16-20	2
C9056	270AB-10-8	⅝	½	39/64-18	2

Union Tee



Part No.	Parker No.	Tube Size (In.)	Unit
KP27284	264AB-4	¼	3
W-17643	—	⅛ ⅜ ½	5
KP27285	264AB-6	⅜	3
W-15712	264AB-8	½ ½ ½	5
KP27286-1	264AB-10	⅝	3

Male Run Tee



Part No.	Parker No.	O.D. (In.)	Pipe Size (In.)	Unit
KP27335	271AB-4-2	¼	⅛	3
KP27336	271AB-6-4	⅜	¼	3
KP27337	271AB-8-6	½	⅜	3

Male Branch Tee



Part No.	Parker No.	Tube Size (In.)	Male Pipe Thread (In.)	Unit
W-17051	VS272AB-6-2	⅜	⅛	5
W-05103	VS272AB-6-4	⅜	¼	10
W-05177	VS272AB-6-6	⅜	⅜	5
W-15200	VS272AB-8-6	½	⅜	5

Threaded Sleeve

Threaded Sleeve Fittings

Applications:

Air, oil, water and lubrication lines

Pressure:

500 psi maximum for ⅛" to ¼" sizes. 250 psi for 5/16" and ⅜" sizes

Vibration:

Fair resistance

Temperature:

-65°F to 250°F

Used With:

Copper, aluminum, plastic tubing. Not recommended for steel tubing; soft plastic tubing requires internal tube support

Advantages:

Low cost; no flaring required; easy to assemble

Conformance:

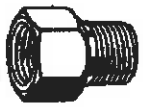
Meets specifications and standards of ASA and ASME

Nuts



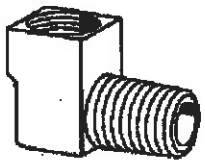
Part No.	Ind. Dash No.	Tube Size (In.)	Thread Size (In.)	Unit
11102	-2	⅛	5/16-24	10
11103	-3	3/16	⅜-24	10
11104	-4	¼	7/16-24	10
C9107	-4	¼	½-20	10
11105	-5	5/16	½-20	10
11106	-6	⅜	9/16-20	10

Connector, Male



Part No.	Ind. Dash No.	Tube Size (In.)	Thread Size (In.)	Pipe Thd. (In.)	Unit
11126-1	2-2	⅛	5/16-24	⅛-27	10
11126	3-2	3/16	⅜-24	⅛-27	10
11127	4-2	¼	7/16-24	⅛-27	10
MP11127	4-2	¼	7/16-24	⅛-27	5
11128	5-2	5/16	½-20	⅛-27	10
MP11128	5-2	5/16	½-20	⅛-27	5
C9060	6-4	⅜	9/16-20	¼-18	10

Male Elbow

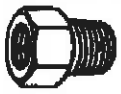


Part No.	Tube O.D. (In.)	Pipe Size (In.)	Straight Thread	Unit
C9061	⅛	⅛	5/16-24	5
C9062	3/16	⅛	¼-24	10
C9063	¼	⅛	7/16-24	10
C9882	5/16	⅛	½-20	10
C9883	⅜	¼	9/16-20	5

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Hydraulic Brake Fittings

Dual Master Cylinder Adapter



Part No.	Inverted Male Thread (In.)	Inverted Female Thread (In.)	Unit
11807	3/16 T (7/16-18 thd.)	3/16 T (3/16-24 thd.)	5
11809	3/16 T (7/16-18 thd.)	3/16 T (3/16-20 thd.)	5
11804	3/16 T (7/16-20 thd.)	3/16 T (3/16-24 thd.)	5
11801	3/16 T (3/16-24 thd.)	1/4 T (7/16-24 thd.)	5
11800	1/4 T (7/16-24 thd.)	3/16 T (3/16-24 thd.)	5
11803	1/4 T (7/16-18 thd.)	1/4 T (7/16-24 thd.)	5
11806	5/16 T (1/2-20 thd.)	3/16 T (3/16-24 thd.)	5
11808	5/16 T (1/2-20 thd.)	5/16 T (7/16-18 thd.)	5
11802	5/16 T (1/2-28 thd.)	1/4 T (7/16-24 thd.)	5

Adapter Tee, Towed Trailer

Special-Purpose Fittings



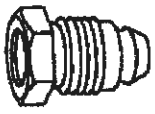
Part No.	Female Inverted Seat A (In.)	B (In.)	Male Thread C (In.)	Unit
11811	3/16 (3/16-24)	3/16 (3/16-24)	3/16 inv. (3/16-24)	5
11814	3/16 (1/2-20)	3/16 (3/16-24)	1/2-20 inv.	5
11813	3/16 (7/16-18)	3/16 (3/16-24)	3/16 inv. (7/16-18)	5
11812	1/4 (7/16-24)	3/16 (3/16-24)	1/4 inv. (7/16-24)	5

Air Tank Valve



Part No.	Ind. Dash No.	Pipe Size (In.)	Unit
2418	-4	1/4	10

Inverted Flare Nut



Part No.	Ind. Dash No.	Tube Size (In.)	Unit
11120	-4	1/4	10

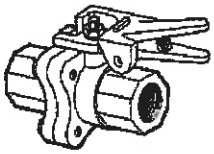
Multi-Purpose Air Vent



Part No.	Ind. Dash No.	Pipe Size (In.)	Unit
2417	-2	1/8	10

New York Air Brake-Railroad Industry

Ball Valve, Air Brake



- With 1/4" bottom vent and locking handle
- Full porting

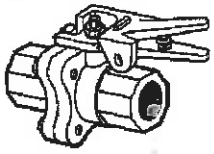
Part No.	NYAB No.	Size	Cock Open	Cock Closed	Unit
R-704840-NY	704840	1	90 deg.	0 deg.	1

Gasket

- Coupling hose

Part No.	NYAB No.	Unit
R-563952-NY	563952	1

Ball Valve, Air Brake



- With locking handle
- Full porting

Part No.	NYAB No.	Size	Cock Open	Cock Closed	Unit
R-572470-NY	572470	3/8	90 deg.	0 deg.	1
R-572471-NY	572471	1/2	90 deg.	0 deg.	1
R-572472-NY	572472	3/4	90 deg.	0 deg.	1
R-572473-NY	572473	1	90 deg.	0 deg.	1
R-572474-NY	572474	1 1/4	90 deg.	0 deg.	1

Ball Valve, Air Brake

- With E.O.H. vent and locking handle
- Full porting

Part No.	NYAB No.	Size	Cock Open	Cock Closed	Unit
R-576680-NY	576680	3/4	90 deg.	0 deg.	1

Ball Valve, Air Brake



- With standard handle
- Full porting

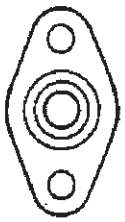
Part No.	NYAB No.	Size	Cock Open	Cock Closed	Unit
R-572463-NY	572463	3/8	90 deg.	0 deg.	1
R-572464-NY	572464	1/2	90 deg.	0 deg.	1
R-572467-NY	572467	1 1/4	90 deg.	0 deg.	1

Ball Valve, Air Brake

- With standard handle
- Standard porting

Part No.	NYAB No.	Size	Cock Open	Cock Closed	Unit
R-572459-NY	572459	1/2	90 deg.	0 deg.	1
R-572460-NY	572460	3/4	90 deg.	0 deg.	1
R-572461-NY	572461	1	90 deg.	0 deg.	1

Swivel & Flange Assembly



- Adjustable
- Socket weld

Part No.	NYAB No.	Flange Size	Pipe Size	Unit
R-565256-NY	565256	3/4	3/4	1
R-565259-NY	565259	1	1	1
R-565262-NY	565262	1 1/4	1 1/4	1

Swivel & Flange Assembly

- Reducer
- Adjustable
- Socket weld

Part No.	NYAB No.	Flange Size	Pipe Size	Unit
R-565255-NY	565255	3/4	1/2	1

Swivel & Flange Assembly



- Deep
- Socket weld
- Adjustable

Part No.	NYAB No.	Flange Size	Pipe Size	Unit
578787	578787	3/4	3/4	1
578788	578788	3/4	3/4	1
578789	578789	1	1	1
578790	578790	1 1/4	1 1/4	1

Swivel & Flange Assembly

- With split flange
- Straight
- Deep
- Socket weld

Part No.	NYAB No.	Flange Size	Pipe Size	Unit
R-705426-NY	705426	1 1/4	1 1/4	1

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

1456

Lugs for Crimp or Solder Applications



- Heavy-duty crimp or solder type
- Highest grade electrolytic copper for superior conductivity
- Tin plated to resist corrosion
- Flared for easy wire insertion
- Fully annealed for easy and secure crimping
- AWG identification
- UL listed for 600-volt industrial application
- CSA approved

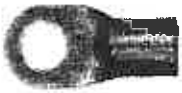
Part No.	Cable Size	Stud Size (In.)	Unit
C419364	6 ga.	¼	10
C6884169	6 ga.	5/16	25
C419363	8 ga.	¼	10
C419362	8 ga.	#10	10
C22095	6 ga.	3/8	10
23700	4 ga.	¼	10
23701	4 ga.	5/16	10
23401-1	4 ga.	3/8	10
23401-1X	4 ga.	½	10
KP81834	4 Ga./Wide Pad	½	10
23702	2 ga.	¼	10
23703	2 ga.	5/16	10
23401-2	2 ga.	3/8	10
23401-2X	2 ga.	½	10
23705	1 ga.	¼	10
23706	1 ga.	5/16	10
23401-3	1 ga.	3/8	10
23401-4	1 ga.	½	10
23707	1/0	¼	5
23708	1/0	5/16	5
23401-5	1/0	3/8	5
23401-6	1/0	½	5
23709	2/0	¼	5
23710	2/0	5/16	5
23401-7	2/0	3/8	5
23401-8	2/0	½	5
23401-9X	3/0	3/8	5
23401-9	3/0	½	5
23401-10X	4/0	3/8	5
23401-10	4/0	½	5
23401-11†	250 MCM	½	5

† Not Flared



- Heavy-duty crimp or solder type
- Copper (non-plated)
- AWG identification

Part No.	Cable Size (Ga.)	Stud Size (In.)	Unit
23396	4 ga.	3/8	5
23398-1	1/0	5/16	5
23397-X	1/0 — 2/0	½	5
23485-1	2/0	3/8	5



- Heavy-duty crimp type
- Copper
- Silver brazed barrel seam
- Tin plated
- AWG identification

Part No.	Cable Size	Stud Size (In.)	Unit*
23298-2	4 ga.	¼	25
23298-5	4 ga.	5/16	25
23298-3	4 ga.	3/8	25
23298-4	4 ga.	½	25
23299-2	2 ga.	¼	25
23299-3	2 ga.	5/16	25
23299-4	2 ga.	½	25
23270-1	1/0	¼	2
23270-2	1/0	5/16	2
23270-4	1/0	3/8	2
23397-1	1/0	½	10
23271-1	2/0	¼	2
23271-2	2/0	5/16	2
23271-3	2/0	3/8	2
23397-2	2/0	½	10

Part No.	Cable Size	Stud Size (In.)	Unit*
23272-1	3/0	3/8	2
23272-2	3/0	½	2
23272-3	3/0	¾	2
23274-1	4/0	3/8	2
23274-2	4/0	½	2
23274-3	4/0	¾	2

GRAYSON INDUSTRIES, INC.

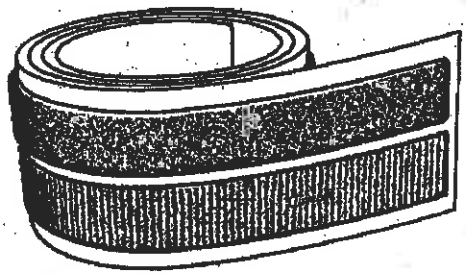
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

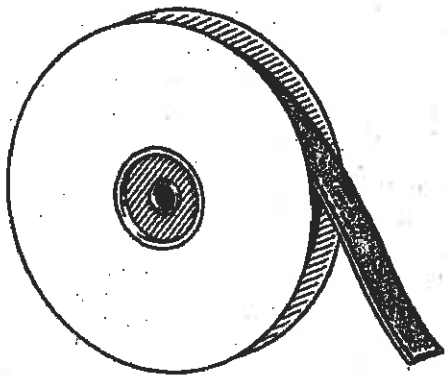
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

MISCELLANEOUS ITEMS

Velcro Hook And Loop Fasteners

Velcro brand nylon hook and loop fasteners consist of two mating tapes: hook and loop. When the two tapes are pressed together, the hooks engage the loops forming an adjustable, secure and completely jam proof closure. To reopen the closure, simply peel apart.





17181 (Color: Black)
19827 (Color: White)

VelcroStrips
48" long strips of 3/4" wide hook and loop material with adhesive backing on one roll.

UNIT PACKAGE: 1 Roll

17546 (Color: Black)

VelcroStrips
5 yard long strips of 3/4" wide hook and loop material with adhesive backing on one roll.

UNIT PACKAGE: 1 Roll

17182 (Color: Black)

Spooled Velcro Hook Material
25 yard long-spool of 1" wide hook strip with adhesive backing.

UNIT PACKAGE: 1 Spool

17183 (Color: Black)
19829 (Color: White)

Spooled Velcro Loop (Fuzzy) Material
25 yard long spool of 1" wide loop strip with adhesive backing.

UNIT PACKAGE: 1 Spool



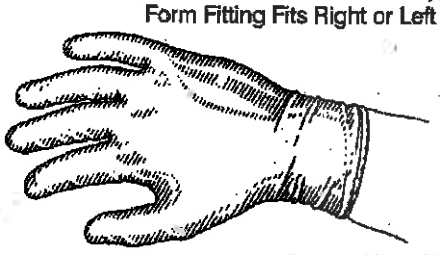
16506

12" x 12" x .060" thick pads with adhesive backs. Can be cut to shape and painted for easy installation. The clear vinyl sheet on the black side must be removed before painting. Meets GM specification #2747M.

UNIT PACKAGE: 6

Gloves

Available In Vinyl Or Latex
Form Fitting Fits Right or Left Hand • Lightly Dusted with Corn Starch • Non-Sterile



Size	Latex Auveco Part No	Vinyl Auveco Part No.
Small	16005	-------
Medium	16006	-------
Large	16007	19551

Each size packaged 100 gloves (50 pairs) per box.

Note: Not For Immersion In Chemicals

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Hose Clamps

Hose Clamps

Standard Worm Gear Clamps
Designed for Standard Applications



- Meets or exceeds SAE J1508 hose clamp standards
- Stainless steel bank, ½" wide
- Stainless steel, screw housing
- Steel slotted hex head screw w/cadmium plating
- Precision ground slots

Part No.	Mfg. No.	Effective Range Min.	Max.	Unit
24108*	4	¼ (6mm)	⅝ (16mm)	10
C9023*	6	5/16	7/8	10
24110*	6	7/16 (11mm)	25/32 (20mm)	10
24109	6	7/16 (11mm)	25/32 (20mm)	25
24107	8	½ (13 mm)	29/32 (23mm)	10
24111*	8	½ (13 mm)	29/32 (23mm)	10
24112	10	9/16 (14 mm)	1 1/16 (27mm)	10
24113	12	11/16 (17mm)	1¼ (31mm)	10
24114	16	13/16 (21mm)	1½ (38 mm)	10
24115	20	13/16 (21mm)	1¾ (44mm)	10
24116	24	1 1/16 (27mm)	2 (50mm)	10
24117	28	1 5/16 (33mm)	2¼ (56mm)	10
24118	32	1 9/16 (39mm)	2½ (63mm)	10
24119	36	1 13/16 (46 mm)	2¾ (69mm)	10
24120	40	2 1/16 (52mm)	3 (75mm)	10
24121	44	2 5/16 (56mm)	3¼ (81mm)	10
24122	48	2 1/16 (64mm)	3½ (88mm)	10
24123	52	2 13/16 (71 mm)	3¾ (95mm)	10
24124	56	3 1/16 (77mm)	4 (100mm)	10
24125	60	3 5/16 (81mm)	4¼ (106mm)	10
24127	64	3 1/16 (89mm)	4½ (113mm)	10
24127-1	72	4 1/16 (102mm)	5 (125mm)	10
24127-3	80	4 5/16 (118mm)	5½ (140mm)	10
24127-6	88	5 1/16 (128mm)	6 (150mm)	10
24127-7	96	5 1/16 (141mm)	6½ (165mm)	10
24127-8	104	6 1/16 (156mm)	7 (175mm)	10

* Micro/Mini style clamp — lighter construction

All Stainless Steel Worm Gear Clamps
Designed for Applications where Corrosion is a Concern



- Meets SAE J1508 hose clamp standards
- Stainless steel bank, ½" wide
- Stainless steel, screw housing
- 400 series stainless steel slotted hex head screw — magnetic
- Precision ground slots

Part No.	Mfg. No.	Effective Range Min.	Max.	Unit
24128*	4	¼ (6mm)	⅝ (16mm)	10
KP79950*	6	7/16 (11mm)	25/32 (20mm)	10
24135	8	½ (13 mm)	29/32 (23mm)	10
KP79951	10	9/16(14mm)	1 1/16 (27mm)	10
KP79952	12	1 1/16(17mm)	1¼(31mm)	10
KP79954	20	1 3/16(21mm)	1¾(44mm)	10
C89121	24	1 1/16	2	10
KP79955	16	1 3/16(21mm)	2¼(56mm)	10
KP79957	40	2 1/16(52mm)	3(75mm)	10
KP79956	32	1 5/16(39mm)	2½(63mm)	10
KP82799	24	1 1/16(27mm)	2(50mm)	10
24138	36	1 13/16 (46 mm)	2¾ (69mm)	10
24138-1	44	2 5/16 (59mm)	3¼ (83mm)	10
KP79958	48	2 9/16(65mm)	3½(89mm)	10
24139-1	52	2 13/16 (71 mm)	3¾ (95mm)	10
24140	56	3 1/16 (78mm)	4 (102mm)	10
24140-1	60	3 5/16 (84mm)	4¼ (108mm)	10
24141	64	3 9/16 (91mm)	4½ (114mm)	10
24141-1	72	4 1/16 (102mm)	5 (125mm)	10
24142	80	4 5/8 (118mm)	5½ (140mm)	10
24142-1	88	5 1/16 (128mm)	6 (150mm)	10
24143	96	5 9/16 (141mm)	6½ (165mm)	10
24143-1	104	6 1/16 (156mm)	7 (175mm)	10

* Micro/Mini style clamp — lighter construction

All Stainless Steel/High Torque Worm Gear Clamps
Designed for Applications Where Corrosion & High Pressure Are a Concern



- Stainless steel band
- Stainless steel, screw housing
- Stainless steel slotted hex had screw
- Extra high screw head — permits tightening with open end or socket wrenches
- Extra long screw length — allows eight screw threads to be engaged at once; for high torque drive and vibration resistance
- Precision ground slots

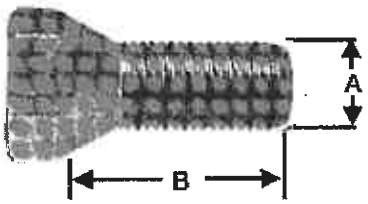
Part No.	Effective Range Min.	Max.	Unit
24101	1¾ (45mm)	2⅝ (66mm)	10
24102	2¼ (57mm)	3⅛ (80mm)	10
24103	2¾ (70mm)	3⅝ (92mm)	10
24104	3¼ (83mm)	4⅛ (107mm)	10
24105	4¼ (108mm)	5⅛ (130mm)	10
24106	5¼ (133mm)	6⅛ (155mm)	10

GRAYSON INDUSTRIES, INC.

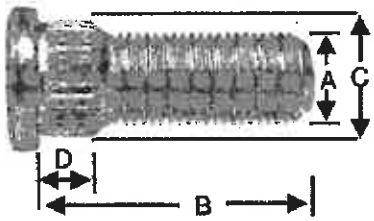
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

WHEEL STUDS & BOLTS



Type #1



Type #2

Plated • Grade 8 Steel

UNIT PACKAGE: 10

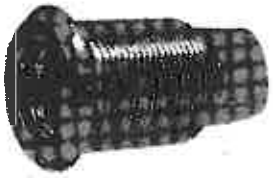
Auveco No.	Type	Diameter (A)	Length (B)	Knurl Dia. (C)	Shoulder Length (D)	Application
14225	1	1/2"-20	1.070"/1.100"	N/A	N/A	Universal (3/4" Hex)
14226	1	9/16"-18	1.070"/1.100"	N/A	N/A	Universal (3/4" Hex)
14227	2	1/2"-20	1.510"/1.540"	.618"/.628"	.310"/.330"	GM 76-55: Int. 80-67
14228	2	7/16"-20	1.380"/1.410"	.556"/.566"	.300"/.320"	GM 51-On
14231	2	1/2"-20	1.615"/1.635"	.618"/.628	.440"/.460"	Ford 62-On
14235	2	1/2"-20	1.620"/1.650"	.618"/.628"	.630"/.650"	Dodge Tk 82-69; Ford 72-65; GMC 70-60
14237	2	1/2"-20	1.435/1.465"	.556"/.566"	.420"/.440"	Ford 75-73
14241	2	7/16"-20	1.470"/1.500"	.460"/.470"	.333"/.343"	Chrysler 76-64; GM 84-62; Jeep 82-74
14243	2	1/2"-20	1.665"/1.695	.618"/.628"	.720"/.750"	AMC 76-75; Chrysler 86-74
14244	2	1/2"-20	1.720"/1.750"	.615"/.625"	.445"/.460"	Ford 75-On
14250	2	12mm-1.5	41.3/42.0mm	12.57/12.83mm	9.4/9.7mm	GM 79-On

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

WHEEL NUTS



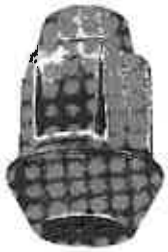
Type 1 (Outer)



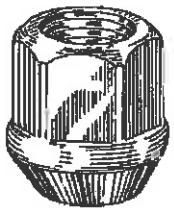
Type 2 (Inner)



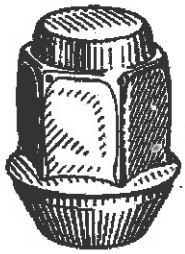
Type 3
(Stainless Steel Cap)



Type 4
(Stainless Steel Cap)



Type 5



Type 6
(Stainless Steel Cap)

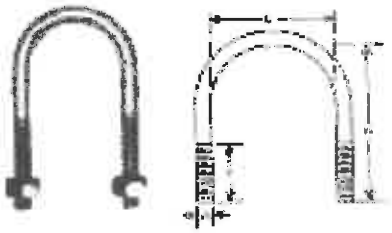
Part No.	Unit Pkg.	Type	Size	Height	Hex	O.E.M. No.
8742	50	1	1/2"-20	9/16"	3/4"	Chrys: 2409826
8744	50	1	1/2"-20	5/8"	13/16"	GM: 413945, Ford: C0AZ-1012A
8746	50	1	7/16"-20	9/16"	3/4"	GM: 516637, Chrys: 2072728
11715	5	3	1/2"-20	1-1/16"	13/16"	GM: 414187
12520	5	2	3/4"-16 L.H. (Inner) 1-1/8"-16 L.H. (Outer)	2-7/32"	13/16" Sq.	Budd: 10709
12521	5	1	1-1/8"-16 L.H.	7/8"	1-1/2"	Budd: 37892
12522	5	2	3/4"-16 (Inner) R.H. 1-1/8"-16 (Outer) R.H.	2-7/32"	13/16" Sq.	Budd: 10708
12523	5	1	1-1/8"-16	7/8"	1-1/2"	Budd: 37891
12524	5	1	3/4"-16 L.H.	7/8"	1-1/2"	Budd: 37889
12525	5	1	3/4"-16	7/8"	1-1/2"	Budd: 37888
12617	5	5	12mm-1.5	23mm	19mm	Chrys: 6500092
12675	25	1	12mm-1.5	14mm	19mm	GM: 9590477
12695	5	4	12mm-1.5	34mm	19mm	GM: 10018202
12715	10	1	12mm-1.5	14mm	19mm	Chrys: 6500526
14253	10	1	12mm-1.25	16mm	21mm	Nissan: 40224-21001
17353	5	6	12mm-1.5	30mm	19mm	Chry: 6502738
18163	5	4	1/2"-20	1-11/32"	3/4"	Chrys: J4006956
19168	10	6	7/16"-20	1-3/32"	3/4"	GM: 414188, 9591855

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Round Bend U-Bolts & Plates

Round Bend U Bolts

Round Bend U-Bolts



- Meet ASTM A307 and IFI-100 dimensional specifications
- Cadmium plate standard steel
- With nickel threads
- Zinc plated
- Available meet IFI, SAE J429 Grade 2 hardness
- For steel or stronger iron pipe
- Ideal for hanging pipe and tube, securing, attaching, and reinforcements

U-Bolt Part No.	Dia. - TPI A (In.)	C (In.)	B (In.)	T (In.)	Pipe Size (In.)	Unit
38750	1/4-20	1/2	1 1/16	3/4	1/8	5
38751	5/16-20	5/8	1 1/4	7/8	1/4	5
38752	3/8-20	3/4	1 3/8	1 1/16	3/8	10
38753	7/16-20	7/8	1 5/8	1 1/4	1/2	5
38754	1/2-20	1	1 7/8	1 1/4	3/4	5
38755	5/8-18	1 1/4	2 3/8	1 5/8	1	10
38756	3/4-16	1 1/2	2 7/8	1 7/8	1 1/4	5
38757	7/8-14	1 3/4	3	2 1/16	1 1/2	5
38758	1-14	2	3 3/8	2 1/16	2	5

U-Bolt Part No.	Dia. - TPI A (In.)	C (In.)	B (In.)	T (In.)	Pipe Size (In.)	Unit
38759	1/4-28	1/2	1 1/16	3/4	1/8	5
38760	5/16-24	5/8	1 1/4	7/8	1/4	10
38761	3/8-24	3/4	1 3/8	1	3/8	5
38762	7/16-20	7/8	1 5/8	1	1/2	5
38763	1/2-20	1	2 1/16	1 1/4	3/4	10
38764	5/8-18	1 1/4	2 5/8	1 5/8	1	5
38765	3/4-16	1 1/2	4	2 1/8	1 1/4	5
38766	7/8-14	1 3/4	4 3/8	2 5/8	1 1/2	5
38767	1-12	2	5 1/16	3	2	5
38768	1-14	2 1/8	3 5/16	2	2	5
38769	1-14	2 1/8	3 5/16	2	2	5
38770	1-14	2 1/8	5	3 1/16	2	5
38771	1-12	2	5 1/16	3	2	5

U-Bolt Part No.	Dia. - TPI A (In.)	C (In.)	B (In.)	T (In.)	Pipe Size (In.)	Unit
38772	1-14	2	2 5/16	1 1/4	1/8	10
38773	1-14	2 1/8	2 5/16	1 5/16	1/4	2
38774	1-14	2 1/8	2 5/16	1 5/16	3/8	2
38775	1-14	2 1/8	2 5/16	1 5/16	1/2	2
38776	1-14	2 1/8	2 5/16	1 5/16	3/4	2
38777	1-14	2 1/8	2 5/16	1 5/16	1	2
38778	1-14	2 1/8	2 5/16	1 5/16	1 1/4	2
38779	1-14	2 1/8	2 5/16	1 5/16	1 1/2	2
38780	1-14	2 1/8	2 5/16	1 5/16	2	2

U-Bolt Part No.	Dia. - TPI A (In.)	C (In.)	B (In.)	T (In.)	Pipe Size (In.)	Unit
38781	1/4-28	1/2	1 1/16	3/4	1/8	10
38782	5/16-24	5/8	1 1/4	7/8	1/4	10
38783	3/8-24	3/4	1 3/8	1	3/8	5
38784	7/16-20	7/8	1 5/8	1	1/2	5
38785	1/2-20	1	2 1/16	1 1/4	3/4	10
38786	5/8-18	1 1/4	2 5/8	1 5/8	1	5
38787	3/4-16	1 1/2	3 1/16	1 7/8	1 1/4	5
38788	7/8-14	1 3/4	3 5/8	2 1/16	1 1/2	5
38789	1-14	2	4 1/16	2 1/16	2	5
38790	1-12	2	5 1/16	3	2	5

U-Bolt Part No.	Dia. - TPI A (In.)	C (In.)	B (In.)	T (In.)	Pipe Size (In.)	Unit
38791	1/4-28	1/2	1 1/16	3/4	1/8	10
38792	5/16-24	5/8	1 1/4	7/8	1/4	10
38793	3/8-24	3/4	1 3/8	1	3/8	5
38794	7/16-20	7/8	1 5/8	1	1/2	5
38795	1/2-20	1	2 1/16	1 1/4	3/4	10
38796	5/8-18	1 1/4	2 5/8	1 5/8	1	5
38797	3/4-16	1 1/2	3 1/16	1 7/8	1 1/4	5
38798	7/8-14	1 3/4	3 5/8	2 1/16	1 1/2	5
38799	1-14	2	4 1/16	2 1/16	2	5
38800	1-12	2	5 1/16	3	2	5

U-Bolt Plates



- Low carbon cold rolled steel
- Zinc plated
- Rounded edges
- Plate holes are punched for center of corresponding size U-Bolt
- Plate dimensions for U-Bolt diameters:
  - 1/4" and 5/16": .059" gauge, 1 1/4" width
  - 3/8" and 1/2": .105" gauge, 1 1/2" width

Plate Part No.	Dia. - TPI A (In.)	Pipe Size (In.)	U-Bolt Part No.	Unit
38750-1	1/4-20	1/8	38750	5
38751-1	5/16-20	1/4	38751	5
38752-1	3/8-20	3/8	38752	10
38753-1	7/16-20	1/2	38753	5
38754-1	1/2-20	3/4	38754	5
38755-1	5/8-18	1	38755	10
38756-1	3/4-16	1 1/4	38756	5
38757-1	7/8-14	1 1/2	38757	5
38758-1	1-14	2	38758	5

Plate Part No.	Dia. - TPI A (In.)	Pipe Size (In.)	U-Bolt Part No.	Unit
38759-1	1/4-28	1/8	38759	5
38760-1	5/16-24	1/4	38760	5
38761-1	3/8-24	3/8	38761	5
38762-1	7/16-20	1/2	38762	5
38763-1	1/2-20	3/4	38763	5
38764-1	5/8-18	1	38764	5
38765-1	3/4-16	1 1/4	38765	5
38766-1	7/8-14	1 1/2	38766	5

Plate Part No.	Dia. - TPI A (In.)	Pipe Size (In.)	U-Bolt Part No.	Unit
38767-1	1-12	2	38767	2
38768-1	1-14	2	38768	2
38769-1	1-14	2	38769	2
38770-1	1-14	2	38770	2
38771-1	1-12	2	38771	2
38772-1	1-14	2	38772	2
38773-1	1-14	2	38773	2
38774-1	1-14	2	38774	2

Plate Part No.	Dia. - TPI A (In.)	Pipe Size (In.)	U-Bolt Part No.	Unit
38775-1	1-12	2	38775	2
38776-1	1-14	2	38776	2
38777-1	1-14	2	38777	2
38778-1	1-14	2	38778	2

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

MACHINERY EYE BOLTS

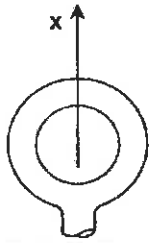
Maximum blank lengths, either pattern indicated in column (1). Vertical loads are based on a safety factor of 5 to 1. Variation in quantity: on special items we reserve the right to a maximum 10% variation for allowances in manufacture.

Standard Shank Lengths – Plain & Shoulder Pattern

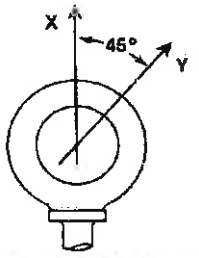
Stock Numbers		Dimensions – Inches						
Plain Pattern	Shoulder Pattern	Shank		Eye		Overall Length Plain	Overall Length Shoulder	Maximum Lengths (1)
		Dia. & Thread	Length	I.D.	O.D.			
1	21	1/4"-20	1"	3/4"	1-1/4"	2-1/4"	2-3/8"	3"
2	22	5/16"-18	1-1/8"	7/8"	1-1/2"	2-5/8"	2-3/4"	4"
3	23	3/8"-16	1-1/4"	1"	1-21/32"	2-29/32"	3-1/4"	4-1/2"
4	24	7/16"-14	1-3/8"	1-3/32"	1-27/32"	3-7/32"	3-5/8"	4-1/2"
5	25	1/2"-13	1-1/2"	1-3/16"	2-1/16"	3-9/16"	4"	4-1/2"
6	26	9/16"-12	1-5/8"	1-9/32"	2-9/32"	3-29/32"	4-1/2"	4-1/2"
7	27	5/8"-11	1-3/4"	1-3/8"	2-1/2"	4-1/4"	4-7/8"	4-1/2"
8	28	3/4"-10	2"	1-1/2"	2-13/16"	4-13/16"	5-1/4"	5"
9	29	7/8"-9	2-1/4"	1-11/16"	3-1/4"	5-1/2"	6"	5"
10	30	1"-8	2-1/2"	1-13/16"	3-9/16"	6-1/16"	7"	5"
11	31	1-1/8"-7	2-3/4"	2"	4"	6-3/4"	7-1/2"	2-3/4"
12	32	1-1/4"-7	3"	2-3/16"	4-7/16"	7-7/16"	8-1/2"	3"
14	34	1-1/2"-6	3-1/2"	2-1/2"	5-3/16"	8-11/16"	9-1/2"	3-1/2"

Working load limits for eye bolts are based on a straight vertical lift in a gradually increasing manner. Angular lifts will significantly lower working load limits (see Shoulder Pattern) and should be avoided whenever possible. If an angular lift is required, a properly seated Shoulder Pattern eye bolt must be used. Loads should always be applied to eye bolts in the plane of the eye, not at an angle to this plane. Angular lifts must never be more than a 45° pull.

Diameter and Thread	Working Load Limit	
	Straight Pull (X)	45° Pull (Y) Shoulder Only
1/4"-20	500	125
5/16"-18	900	225
3/8"-16	1400	350
7/16"-14	2000	500
1/2"-13	2600	650
9/16"-12	3200	750
5/8"-11	4000	1000
3/4"-10	6000	1500
7/8"-9	7000	1750
1"-8	9000	2250
1-1/8"-7	12000	2500
1-1/4"-7	15000	3750
1-1/2"-6	21000	4900



Plain Pattern



Shoulder Pattern

ANGULAR LIFTS SHOULD BE AVOIDED WHENEVER POSSIBLE.



GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

MACHINERY EYE BOLTS

Drop forged steel. Heat treated after forging. Self-colored, zinc plated, or hot galvanized. Plain or shoulder type, blank or threaded. Threaded will be supplied unless otherwise specified.



Available in Zinc Plated and Hot Galvanized.

Some sizes available in Stainless Steel.

Available in Metric

Standard Shank Lengths
Plain Pattern

Plain Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Threaded Part No.	Threaded Weight Per 100	Blank Part No.	Blank Weight Per 100
1	1/4"	1"	11605 3	5	11005 1	5 5
2	5/16"	1-1/8"	11625 1	10.5	11025 9	11 5
3	3/8"	1-1/4"	11645 9	15 5	11045 7	16 5
4	7/16"	1-3/8"	11665 7	20.5	11065 5	22
5	1/2"	1-1/2"	11685 5	33	11085 3	35
6	9/16"	1-5/8"	11705 0	44.5	11105 8	45
7	5/8"	1-3/4"	11725 8	64	11125 6	66
8	3/4"	2"	11748 7	90.5	11148 5	97
9	7/8"	2-1/4"	11768 5	135	11168 3	142
10	1"	2-1/2"	11788 3	130.5	11188 1	199
11	1-1/8"	2-3/4"	11808 8	299 5	11208 6	312
12	1-1/4"	3"	11831 6	399	11231 4	412
14	1-1/2"	3-1/2"	11851 4	662 5	11251 2	691





Standard Shank Lengths
Shoulder Pattern

Shoulder Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Threaded Part No.	Threaded Weight Per 100	Blank Part No.	Blank Weight Per 100
21	1/4"	1"	12805 6	6	12205 4	6
22	5/16"	1-1/8"	12825 4	10	12225 2	10.5
23	3/8"	1-1/4"	12845 2	16	12245 0	17
24	7/16"	1-3/8"	12865 0	26.5	12265 8	28
25	1/2"	1-1/2"	12885 8	38	12285 6	39
26	9/16"	1-5/8"	12905 3	49	12305 1	52.5
27	5/8"	1-3/4"	12925 1	73 5	12325 9	76 5
28	3/4"	2"	12948 0	99 5	12348 8	104
29	7/8"	2-1/4"	12968 8	172.5	12368 6	178
30	1"	2-1/2"	12988 6	235	12388 4	242
31	1-1/8"	2-3/4"	13008 0	342 5	12408 9	347
32	1-1/4"	3"	13031 8	462.5	12431 7	485
34	1-1/2"	3-1/2"	13051 6	752 5	12451 5	780

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

PLATED MACHINERY EYE BOLTS

ZINC PLATED

PLAIN PATTERN – ZINC

Plain Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Part No.
1	1/4"	1"	26005 3
2	5/16"	1-1/8"	26008 4
3	3/8"	1-1/4"	26011 4
4	7/16"	1-3/8"	26014 5
5	1/2"	1-1/2"	26017 6
6	9/16"	1-5/8"	26020 6
7	5/8"	1-3/4"	26023 7
8	3/4"	2"	26026 8
9	7/8"	2-1/4"	26029 9
10	1"	2-1/2"	26032 9
11	1-1/8"	2-3/4"	26035 0
12	1-1/4"	3"	26038 1
14	1-1/2"	3-1/2"	26041 1

SHOULDER PATTERN – ZINC

Shoulder Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Part No.
21	1/4"	1"	26050 3
22	5/16"	1-1/8"	26053 4
23	3/8"	1-1/4"	26056 5
24	7/16"	1-3/8"	26059 6
25	1/2"	1-1/2"	26062 6
26	9/16"	1-5/8"	26065 7
27	5/8"	1-3/4"	26068 8
28	3/4"	2"	26071 8
29	7/8"	2-1/4"	26074 9
30	1"	2-1/2"	26077 0
31	1-1/8"	2-3/4"	26080 0
32	1-1/4"	3"	26083 1
34	1-1/2"	3-1/2"	26086 2







HOT GALVANIZED

PLAIN PATTERN – GALVANIZED

Plain Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Part No.
1	1/4"	1"	26105 0
2	5/16"	1-1/8"	26108 1
3	3/8"	1-1/4"	26111 1
4	7/16"	1-3/8"	26114 2
5	1/2"	1-1/2"	26117 3
6	9/16"	1-5/8"	26120 3
7	5/8"	1-3/4"	26123 4
8	3/4"	2"	26126 5
9	7/8"	2-1/4"	26129 6
10	1"	2-1/2"	26132 6
11	1-1/8"	2-3/4"	26135 7
12	1-1/4"	3"	26138 8
14	1-1/2"	3-1/2"	26141 8

SHOULDER PATTERN – GALVANIZED

Shoulder Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Part No.
21	1/4"	1"	26155 5
22	5/16"	1-1/8"	26158 6
23	3/8"	1-1/4"	26161 6
24	7/16"	1-3/8"	26164 7
25	1/2"	1-1/2"	26167 8
26	9/16"	1-5/8"	26170 8
27	5/8"	1-3/4"	26173 9
28	3/4"	2"	26176 0
29	7/8"	2-1/4"	26179 1
30	1"	2-1/2"	26182 1
31	1-1/8"	2-3/4"	26185 2
32	1-1/4"	3"	26188 3
34	1-1/2"	3-1/2"	26191 3

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

MACHINERY EYE BOLTS

Variation in quantity: on special items we reserve the right to a maximum 10% variation for allowances in manufacture.



Special Shank Lengths Plain Pattern

Bolt Diameter N.C.	Special Shank Length	Threaded		Blank	
		Part No.	Weight Per 100	Part No.	Weight Per 100
1/4"	2"	116084	6	110092	8
1/4"	3"	116114	10	110112	14
5/16"	2"	116052	12	110280	14
5/16"	3"	116312	14	110310	16
5/16"	4"	116318	14	110341	18
3/8"	2"	116480	16	110488	18
3/8"	3"	116510	18	110518	20
3/8"	4"	116541	22	110549	24
3/8"	4-1/2"	116572	22	110570	26
7/16"	2"	116688	22	110639	24
7/16"	3"	116718	26	110715	30
7/16"	4"	116749	30	110747	34
7/16"	4-1/2"	116770	30	110776	36
1/2"	2"	116886	32	110884	34
1/2"	3"	116916	38	110914	42
1/2"	4"	116947	42	110945	48
1/2"	4-1/2"	116978	42	110976	50
9/16"	2"	117081	48	111089	52
9/16"	3"	117111	54	111119	60
9/16"	4"	117142	60	111149	68
9/16"	4-1/2"	117173	60	111171	68
5/8"	2"	117289	62	111287	68
5/8"	3"	117319	70	111317	78
5/8"	4"	117350	74	111348	86
5/8"	4-1/2"	117371	76	111379	90
3/4"	3"	117517	96	111515	120
3/4"	4"	117548	104	111546	126
3/4"	4-1/2"	117579	108	111577	134
3/4"	5"	117609	132	111607	154
7/8"	3"	117715	188	111713	196
7/8"	4"	117746	202	111744	218
7/8"	4-1/2"	117777	210	111775	224
7/8"	5"	117807	216	111805	230
1"	3"	117913	210	111911	232
1"	4"	117944	230	111942	256
1"	4-1/2"	117975	236	111973	264
1"	5"	118002	254	112010	276



Special Shank Lengths Shoulder Pattern

Bolt Diameter N.C.	Special Shank Length	Threaded		Blank	
		Part No.	Weight Per 100	Part No.	Weight Per 100
1/4"	2"	128087	8	122835	10
1/4"	3"	128117	10	122115	12
5/16"	2"	128285	12	122283	14
5/16"	3"	128315	14	122313	16
5/16"	4"	128346	16	122344	18
3/8"	2"	128483	20	122481	22
3/8"	3"	128513	22	122511	24
3/8"	4"	128544	24	122542	28
3/8"	4-1/2"	128575	26	122573	28
7/16"	2"	128631	28	122689	30
7/16"	3"	128711	30	122719	32
7/16"	4"	128712	34	122770	36
7/16"	4-1/2"	128773	36	122771	38
1/2"	2"	128869	40	122887	42
1/2"	3"	128919	44	122917	46
1/2"	4"	128940	46	122946	50
1/2"	4-1/2"	128971	46	122979	52
9/16"	2"	129084	48	123082	52
9/16"	3"	129114	52	123112	58
9/16"	4"	129145	58	123143	60
9/16"	4-1/2"	129176	60	123174	68
5/8"	2"	129282	74	123280	80
5/8"	3"	129312	82	123310	96
5/8"	4"	129343	90	123341	102
5/8"	4-1/2"	129374	92	123372	104
3/4"	3"	129510	116	123518	126
3/4"	4"	129541	130	123549	140
3/4"	4-1/2"	129572	132	123570	146
3/4"	5"	129602	148	123600	154
7/8"	3"	129718	186	123716	198
7/8"	4"	129749	202	123747	218
7/8"	4-1/2"	129770	208	123770	226
7/8"	5"	129800	216	123800	250
1"	3"	129916	254	123916	270
1"	4"	129947	268	123947	290
1"	4-1/2"	129978	280	123976	304
1"	5"	130004	298	124003	318

Additional special shank lengths available upon request.



GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

METRIC MACHINERY EYE BOLTS

Dimensions in Millimeters – Some Sizes Available in Stainless Steel on a Special Basis.

Made in USA

FORGED • CARBON STEEL • SELF-COLORED • SHOULDER PATTERN

Part No.	Metric Size	Approx. Equivalent in Inches	A Thread Size	B Shank Length, mm	C I.D. Eye, mm	Approx Wt. Per 100 Pcs. in Lbs.	Working Load Limit in Kgs.	Working Load Limit in Lbs.
13805 5	M6	1/4"	M6 x 1.0	25.4	19	6	210	462
13825 3	M7	5/16"	M7 x 1.0	28.5	22	10	370	814
13845 1	M8	3/8"	M8 x 1.25	31.7	25	15	450	992
13865 9	M10	7/16"	M10 x 1.5	35.0	28	21	740	1,628
13885 7	M12	1/2"	M12 x 1.75	38.0	30	38	1,030	2,266
13905 2	M14	9/16"	M14 x 2.0	44.5	35	73	1,600	3,520
13925 0	M16	5/8"	M16 x 2.0	44.5	35	73	1,600	3,520
13948 9	M18	3/4"	M18 x 2.5	51.0	38	104	2,140	4,708
13968 7	M20	7/8"	M20 x 2.5	57.0	43	161	2,860	6,292
13988 5	M24	1"	M24 x 3.0	63.5	46	231	3,850	8,470
14006 9	M27	1-1/8"	M27 x 3.0	70.0	51	335	5,200	11,440
14031 7	M30	1-1/4"	M30 x 3.5	76.0	55	439	6,400	14,080
14051 5	M36	1-1/2"	M36 x 4.0	99.0	63	731	5,970	19,734

DROP FORGED LIFTING EYES

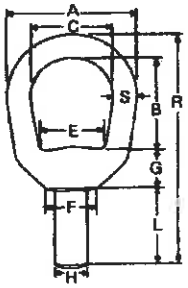
Drop forged from C-1035 steel, heat treated. Available blank or threaded. Self-colored finish is standard; hot galvanized or other finishes supplied on a special basis. Used in lifting applications where larger eyes are required. When ordering prefix stock number with letter "B" (blank) or "T" (threaded) as required. Loads are based on a safety factor of 5 to 1. Working loading limits for lifting eyes are based on a straight vertical lift in a gradually increasing manner, and should never be used for angular lifts.

Made in USA

LIFTING EYES – SELF-COLORED

Stock Number	Bail Size	Blank Part No.	Threaded Part No.	Threaded Working Load Limit
C-186	1/4"	15005 7	15505 2	860
C-187	5/16"	15010 1	15510 6	1260
C-185	3/8"	15015 6	15515 1	2200
C-181	1/2"	15020 0	15520 5	3600
C-184	5/8"	15025 5	15525 0	5200
C-188	3/4"	15030 9	15530 4	7000

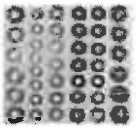




Stock Number	Shank H	Shank L	Dimensions – Inches A	C	B	E	F	G	S	R	Thread Length	Weight Per 100 Blank	Weight Per 100 Threaded
C-186	5/16"	1"	1-1/4"	3/4"	1-1/16"	19/32"	1/2"	3/8"	1/4"	2-11/16"	7/8"	12	11
C-187	3/8"	1-1/8"	1-5/8"	1"	1-1/4"	3/4"	9/16"	1/2"	5/16"	3-3/16"	1"	22	22
C-185	1/2"	1-1/4"	2"	1-1/4"	1-1/2"	1"	13/16"	5/8"	3/8"	3-3/4"	1-1/8"	41	38
C-181	5/8"	1-1/2"	2-1/2"	1-1/2"	2"	1-3/16"	1"	11/16"	1/2"	4-11/16"	1-3/8"	81	74
C-184	3/4"	1-7/8"	3"	1-3/4"	2-3/8"	1-3/8"	1-1/8"	7/8"	5/8"	5-3/4"	1-3/4"	139	129
C-188	7/8"	2"	3-1/2"	2"	2-5/8"	1-5/8"	1-5/16"	15/16"	3/4"	6-5/16"	1-7/8"	222	214

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Special Flat Washers (Lead)



LEAD FLAT WASHERS
(SPECIAL FLAT WASHERS)

PART #	SIZE	OUTSIDE DIAMETER	INSIDE DIAMETER	THICKNESS
729475	000	.090	.040	.010
729476	00	.108	.053	.015
729477	0	.156	.062	.020
729478	2	.187	.089	.025
729479	2	.218	.093	.018
729480	2	.250	.093	.020
729481	3	.218	.104	.025
729482	3	.250	.105	.032
729483	4	.250	.125	.032
729484	4	.281	.125	.025
729485	4	.312	.125	.032
729486	4	.375	.125	.040
729487	5	.312	.135	.032
729488	5	.281	.140	.025
729489	5	.328	.140	.032
729490	5	.437	.140	.040
729491	6	.312	.156	.032
729492	6	.375	.156	.032
729493	6	.437	.156	.040
729494	8	.312	.171	.031
729495	8	.343	.171	.032
729496	8	.437	.171	.032
729497	8	.437	171	.040
729498	8	.375	.174	.032
729499	8	.375	.187	.040
729500	8	.437	187	.062
729501	8	.500	.187	.040
729502	10	.375	.203	.040
729503	10	.375	.203	.050
729504	10	.406	.203	.040
729505	10	.437	.203	.040
729506	10	.437	.203	.050
729507	10	.437	.203	.062
729508	10	.562	.203	.040
729509	10	.562	.203	.050
729510	10	.625	.203	050
729511	10	.500	.218	.062
729512	12	.500	.227	.040
729513	12	.500	.227	.050
729514	1/4	.687	.265	.050
729515	1/4	.500	.281	.062
729516	1/4	.625	.281	.050
729517	1/4	.625	.281	.062

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Special Flat Washers (Lead)

PART #	SIZE	OUTSIDE DIAMETER	INSIDE DIAMETER	THICKNESS
729518	1/4	.750	.281	.062
729519	9/32	.750	.312	.050
729520	5/16	.625	.343	.062
729521	5/16	.687	.343	.062
729522	5/16	.750	.343	.050
729523	5/16	.750	.343	.062
729524	5/16	.875	.343	.062
729525	3/8	.875	.390	.062
729526	3/8	1.000	.390	.062
729527	3/8	.750	.406	.062
729528	3/8	.812	.406	.062
729529	3/8	.875	.406	.050
729530	3/8	.875	.406	.062
729531	7/16	1.125	.469	.062
729532	7/16	1.125	.469	.078
729533	7/16	1.125	.500	.062
729534	1/2	1.000	.531	.062
729535	1/2	1.062	.531	.093
729536	1/2	1.125	.531	.062
729537	1/2	1.250	.531	.078
729538	1/2	1.250	.531	.093
729539	1/2	1.250	.562	.078
729540	9/16	1.375	.625	.062
729541	9/16	1.375	.625	.078
729542	9/16	1.375	.625	.093
729543	5/8	1.312	.656	.093
729544	5/8	1.500	.687	.078
729545	5/8	1.500	.687	.093
729546	3/4	1.500	.812	.125
729547	3/4	1.750	.812	.109
729548	3/4	1.750	.812	.125
729549	3/4	1.875	.812	.109
729550	3/4	2.000	.812	.125
729551	7/8	1.750	.937	.125
729552	7/8	2.000	.937	.109
729553	7/8	2.000	.937	.125
729554	7/8	2.250	.937	.106
729555	1	2.000	1.062	.125
729556	1	2.250	1.062	.109
729557	1	2.250	1.062	.125
729558	1	2.500	1.062	.125
729559	1-1/2	2.500	1.187	.125
729560	1-1/2	2.750	1.312	.125

SPECIAL ORDER ITEMS. PLEASE CALL FOR PRICING.

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

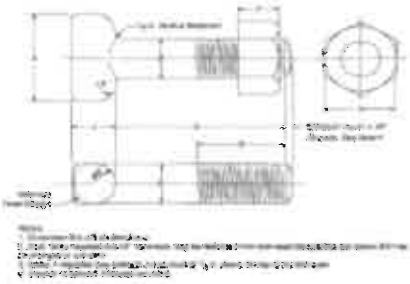
T-Head Bolts w/Nut



T-HEAD BOLTS WITH NUTS

ANSI/AWWA C111/A21.11-07
T-HEAD BOLT INFORMATION

Size	A	D	C	D*	E**	F	H	J	B
In.	+/- 0.05	+0.020 -0.274	+0.25 -0.06		Threads per inch.			+0.15 -0.13	Minimum
3/4X3 1/2	1.75	0.750	3.50	2.50	10	0.750 +/- 0.06	1.250 +0.00 -0.06	0.750	0.375
3/4X4	1.75	0.750	4.00	3.00	10	0.750 +/- 0.06	1.250 +0.00 -0.06	0.750	0.375
3/4X4 1/2	1.75	0.750	4.50	3.00	10	0.750 +/- 0.06	1.250 +0.00 -0.06	0.750	0.375
3/4X5	1.75	0.750	5.00	3.00	10	0.750 +/- 0.06	1.250 +0.00 -0.06	0.750	0.375
1X5 1/2	2.25	1.000	5.50	3.50	8	0.969 +/- 0.06	1.625 +0.00 -0.06	1.000	0.500
1X6	2.25	1.000	6.00	3.50	8	0.969 +/- 0.06	1.625 +0.00 -0.06	1.000	0.500
1 1/8X6	2.50	1.250	6.00	3.50	7	1.250 +/- 0.06	2.000 +0.00 -0.06	1.250	0.625
1 1/8X6 1/2	2.50	1.250	6.50	3.50	7	1.250 +/- 0.06	2.000 +0.00 -0.06	1.250	0.625



NOTE:
METRIC CONVERSION: IN X 25 4 = MM
*Tolerance: +3, -0 threads
**Number of threads per inch – coarse thread series (ANSI/ASME B1.1), class 2A, external fit UNC2A and class 2B, internal fit UNC2B

ANSI/AWWA C111/A21.11-07
Mechanical Joint T-Head Bolt
Technical Information

Nominal Pipe Size	Qty	Size	Length	Torque
3	4	5/8	3	45-60
4	5	3/4	3 1/2	75-90
6	6	3/4	3 1/2	75-90
8	6	3/4	4	75-90
10	8	3/4	4	75-90
12	8	3/4	4 1/2	75-90
14	10	3/4	4 1/2	75-90
16	12	3/4	4 1/2	75-90
18	12	3/4	4 1/2	75-90
20	14	3/4	4 1/2	75-90
24	16	3/4	5	75-90
30	24	1	6	100-120
36	28	1	6	100-120
42	28	1 1/8	6 1/2	100-120
48	32	1 1/8	6 1/2	100-120

ANSI/AWWA C115/A21.15 05&C110/A21.10 08
Flanged Joint Heavy Hex Bolt
Technical Information

Nominal Pipe Size	Qty	Size	Length
3	8	5/8	2 1/2
4	8	5/8	3
6	8	3/4	3 1/2
8	8	3/4	3 1/2
10	12	7/8	4
12	12	7/8	4
14	12	1	4 1/2
16	16	1	4 1/2
18	16	1 1/8	5
20	20	1 1/8	5
24	20	1 1/4	5 1/2
30	28	1 1/4	6 1/2
36	32	1 1/4	7
42	36	1 1/4	7 1/2
48	44	1 1/2	8
54	44	1 1/2	8 1/2
60	52	1 3/4	9
64	52	1 3/4	9

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Hex Machine Bolts w/Nut
Hot Dipped Galvanized

HEX MACHINE BOLTS WITH NUTS

Manufactured to ASME B18.2.1 specs.
Tensile Strength – 60,000 psi. min.
Low Carbon Steel Hot Dip Galvanized

PART #	SIZE
729652	1/4-20X1
729653	1/4-20X1-1/4
729654	1/4-20X1-1/2
729655	1/4-20X2
729656	1/4-20X2-1/2
729657	1/4-20X3
729658	1/4-20X3-1/2
729659	1/4-20X4
729660	1/4-20X4-1/2
729661	1/4-20X5
729662	5/16-18X1
729663	5/16-18X1-1/2
729664	5/16-18X2
729665	5/16-18X3
729666	5/16-18X3-1/2
729667	5/16-18X4
729668	5/16-18X4-1/2
729669	5/16-18X5
729670	5/16-18X5-1/2
729671	3/8-16X1
729672	3/8-16X1-1/4
729673	3/8-16X1-1/2
729674	3/8-16X2
729675	3/8-16X2-1/2
729676	3/8-16X3
729677	3/8-16X3-1/2
729678	3/8-16X4
729679	3/8-16X4-1/2
729680	3/8-16X5
729681	3/8-16X6
729682	3/8-16X7
729683	3/8-16X8

PART #	SIZE
729684	1/2-13X1
729685	1/2-13X1-1/4
729686	1/2-13X1-1/2
729687	1/2-13X1-3/4
729688	1/2-13X2
729689	1/2-13X2-1/4
729690	1/2-13X2-1/2
729691	1/2-13X3
729692	1/2-13X3-1/2
729693	1/2-13X4
729694	1/2-13X4-1/2
729695	1/2-13X5
729696	1/2-13X5-1/2
729697	1/2-13X6
729698	1/2-13X6-1/2
729699	1/2-13X7
729700	1/2-13X7-1/2
729701	1/2-13X8
729702	1/2-13X9
729703	1/2-13X10
729704	1/2-13X12
729705	1/2-13X14
729706	5/8-11X1-1/4
729707	5/8-11X1-1/2
729708	5/8-11X1-3/4
729709	5/8-11X2-1/4
729710	5/8-11X2-1/2
729711	5/8-11X2-3/4
729712	5/8-11X3
729713	5/8-11X3-1/2
729714	5/8-11X4
729715	5/8-11X4-1/2
729716	5/8-11X5
729717	5/8-11X6

PART #	SIZE
729718	5/8-11X6-1/2
729719	5/8-11X7
729720	5/8-11X7-1/2
729721	5/8-11X8
729722	5/8-11X9
729723	5/8-11X10
729724	5/8-11X11
729725	5/8-11X12
729726	3/4-10X1-3/4
729727	3/4-10X2
729728	3/4-10X2-1/2
729729	3/4-10X3
729730	3/4-10X3-1/2
729731	3/4-10X4
729732	3/4-10X5
729733	3/4-10X6
729734	3/4-10X6-1/2
729735	3/4-10X7
729736	3/4-10X7-1/2
729737	3/4-10X8
729738	3/4-10X9
729739	3/4-10X10
729740	3/4-10X12
729741	3/4-10X14

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.



WEDGE ANCHORS – 18-8 STAINLESS STEEL

PART #	SIZE	QUANTITY/BOX
729562	1/4" x 1-3/4"	100 per box
729563	1/4" x 2-1/4"	100 per box
729564	1/4" x 3-1/4"	100 per box
729565	5/16" x 2-3/4"	100 per box
729566	5/16" x 3-1/2"	100 per box
729567	3/8" x 2-1/4"	50 per box
729568	3/8" x 2-3/4"	50 per box
729569	3/8" x 3"	50 per box
729570	3/8" x 3-1/2"	50 per box
729571	3/8" x 3-3/4"	50 per box
729572	3/8" x 5"	50 per box
729573	3/8" x 6-1/2"	50 per box
729574	1/2" x 2-3/4"	50 per box
729575	1/2" x 3-3/4"	25 per box
729576	1/2" x 4-1/4"	25 per box
729577	1/2" x 5-1/2"	25 per box
729578	1/2" x 7"	25 per box
729579	1/2" x 8-1/2"	25 per box
729580	1/2" x 10"	25 per box
729581	1/2" x 12"	25 per box
729582	5/8" x 3-1/2"	25 per box
729583	5/8" x 4-1/2"	25 per box
729584	5/8" x 5"	25 per box
729585	5/8" x 6"	25 per box
729586	5/8" x 7"	25 per box
729587	5/8" x 8-1/2"	25 per box
729588	5/8" x 10"	20 per box
729589	5/8" x 12"	20 per box
729590	3/4" x 4-1/4"	20 per box
729591	3/4" x 4-3/4"	20 per box
729592	3/4" x 5-1/2"	20 per box
729593	3/4" x 6-1/4"	20 per box
729594	3/4" x 7"	10 per box
729595	3/4" x 8-1/2"	10 per box
729596	3/4" x 10"	10 per box
729597	3/4" x 12"	10 per box
729598	7/8" x 6"	5 per box
729599	7/8" x 8"	5 per box
729600	7/8" x 10"	5 per box
729601	7/8" x 12"	5 per box
729602	1" x 6"	5 per box
729603	1" x 9"	5 per box
729604	1" x 12"	5 per box
729605	1-1/4" x 9"	5 per box
729606	1-1/4" x 12"	5 per box

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.



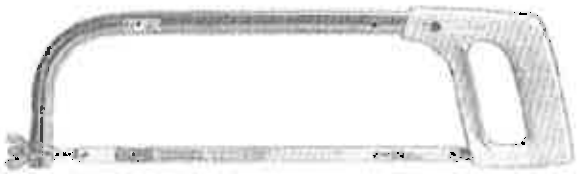
CONCRETE ANCHORS & FASTENERS (HEX & FLAT TAPCONS)

PART #	SIZE	HEAD STYLE	QUANTITY/BOX
729607	3/16" x 1-1/4"	Hex	100 per bx
729608	3/16" x 1-3/4"	Hex	100 per bx
729609	3/16" x 2-1/4"	Hex	100 per bx
729610	3/16" x 2-3/4"	Hex	100 per bx
729611	3/16" x 3-1/4"	Hex	100 per bx
729612	3/16" x 3-3/4"	Hex	100 per bx
729613	3/16" x 4"	Hex	100 per bx
729614	3/16" x 1-1/4	Flat	100 per bx
729615	3/16" x 1-3/4"	Flat	100 per bx
729616	3/16" x 2-1/4"	Flat	100 per bx
729617	3/16" x 2-3/4"	Flat	100 per bx
729618	3/16" x 3-1/4"	Flat	100 per bx
729619	3/16" x 3-3/4"	Flat	100 per bx
729620	3/16" x 4"	Flat	100 per bx
KP78822	1/4" x 1-1/4"	Hex	100 per bx
984357	1/4" x 1-3/4"	Hex	100 per bx
984358	1/4" x 2-1/4"	Hex	100 per bx
984359	1/4" x 2-3/4"	Hex	100 per bx
729621	1/4" x 3-1/4"	Hex	100 per bx
729622	1/4" x 3-3/4"	Hex	100 per bx
729623	1/4" x 4"	Hex	100 per bx
729624	1/4" x 5"	Hex	100 per box
729625	1/4" x 6"	Hex	100 per box
729626	1/4" x 1-1/4"	Flat	100 per bx
729627	1/4" x 1-3/4"	Flat	100 per bx
729628	1/4" x 2-1/4"	Flat	100 per bx
729629	1/4" x 2-3/4"	Flat	100 per bx
729630	1/4" x 3-1/4"	Flat	100 per bx
729631	1/4" x 3-3/4"	Flat	100 per bx
729632	1/4" x 4"	Flat	100 per bx
729633	1/4" x 5"	Flat	100 per bx
729634	1/4" x 6"	Flat	100 per bx
729635	3/8" x 1-3/4"	Hex	50 per bx
729636	3/8" x 2-1/2"	Hex	50 per bx
729637	3/8" x 3"	Hex	50 per bx
729638	3/8" x 4"	Hex	50 per bx
729639	3/8" x 5"	Hex	25 per bx
729640	1/2" x 2-1/2"	Hex	50 per bx
729641	1/2" x 3"	Hex	25 per bx
729642	1/2" x 4"	Hex	50 per bx
729643	1/2" x 5"	Hex	25 per bx
729644	1/2" x 6"	Hex	20 per bx
729645	5/8" x 3"	Hex	10 per bx
729646	5/8" x 4"	Hex	10 per bx
729647	5/8" x 5"	Hex	10 per bx
729648	5/8" x 6"	Hex	10 per bx
729649	3/4" x 4-1/2"	Hex	10 per bx
729650	3/4" x 5-1/2"	Hex	10 per bx
729651	3/4" x 6-1/4"	Hex	10 per bx

GRAYSON INDUSTRIES, INC.
Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175
Copyright © 2016 Grayson Industries, Inc. All rights reserved.

TOOLS

Hacksaw Blade Frame



7954

UNIT PACKAGE: 1

HACKSAW BLADES



Special Flexible Alloy Steel
Hacksaw Blades
Blade Size 12" x 1/2"
Intended For General Purpose Use In Sawing Mild Steel, Brass, Aluminum, Copper and Similar Metals. Recommended For Hand And Light Power Use.

Part No.	Type	Teeth Per Inch	Pcs. Per Unit
10670	Special Flexible Alloy Steel	18	10 Blades
10679	Special Flexible Alloy Steel	24	10 Blades
10680	Special Flexible Alloy Steel	32	10 Blades

Flexible High Speed Steel
Hacksaw Blades
Blade Size 12" x 1/2"
High Speed Blades Last The Longest And Cut The Hardest Materials. These Blades While Possessing Superior Cutting Qualities Are Flexible To Resist Breaking.

Part No.	Type	Teeth Per Inch	Pcs. Per Unit
10686	Flexible High Speed Steel	18	10 Blades
10687	Flexible High Speed Steel	24	10 Blades
10688	Flexible High Speed Steel	32	10 Blades
10690	Flexible High Speed Steel	18	50 Blades

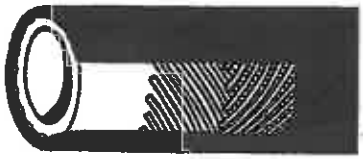
Blade Selection Chart
Recommended Number Of Teeth Per Inch

Material Thickness	Hard Materials	Soft Materials
Up to 1/8"	32	32
1/8" to 1/4"	24	24
1/4" to 1/2"	24	18
1/2" to 1"	18	14

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

Air Products - Brass Hose Barbs

P.V.C. Air Hose With Ends



- Furnished with Brass Male Ends - 1/4 NPT
- Use with air, water or mild chemicals
- Hose rated to 300 psi working pressure
- Far more resistant to oil and gasoline than rubber
- Weighs less than comparable rubber hose

Part No.	Size	NPT	Unit
C91341	3/8 in x 25 ft.	1/4	1
C91342	3/8 in x 50 ft.	1/4	1

Service Air Hose



- Nylon self-storing air hose with spring guard. Yellow hose.
- Lightweight and permanently coiled; self-retracting hose eliminates dragging
- Withstands working pressures up to 200 psi
- Adaptable for horizontal or overhead installations
- For use with blow guns, nailers, staplers, and other air operated tools

Part No.	Male Pipe Thread (In.)	Length (ft.)	Working Pressure (PSI)	Unit
C84540	1/4	25	170	1
C84541	3/8	25	170	1

Nylon Recoil Air Hose



- 360° swivel end fittings with spring guard
- Less than 1% moisture absorption
- Abrasion resistant
- Resistant to most chemicals including alkalies, hydrocarbons, keystones and esters
- Working temperature -20° to +170°F

Part No.	Hose I.D. (In.)	Pipe Thd. (In.)	Max. Working Press. (psi)	Feet Per Roll	Unit
2705N	1/4	1/4	180	25	1
2705-1	1/4	1/4	180	50	1
2706N	3/8	3/8	180	25	1
2706-1	3/8	3/8	180	50	1
KP78480	1/2	1/2	170	25	1

Low Pressure Hosewhip Assemblies



Part No.	Hose I.D. (In.)	Pipe Thd. (In.)	Length (In.)	Unit
*CDSS3057	5/16	1/8	24	1
*CDSS3058	5/16	1/8	36	1

*Canada only

Reusable Fittings For Recoil Air Hose

Includes fitting body, nut, ferrule and spring guard

Rigid Male Pipe



Part No.	Tube I.D. (In.)	N.P.T. Size (In.)	Unit
KP67680	1/4	1/4	2

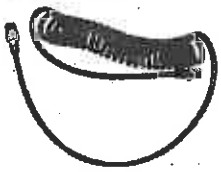
Male Pipe Swivel

Swivels in use



Part No.	Tube I.D. (In.)	N.P.T. Size (In.)	Unit
KP67685	1/4	1/4	2
KP67686	3/8	3/8	2
KP67687	1/2	1/2	2

NoMar™ Polyurethane Self-Coiling Air Hose



- Tough, flexible and kink resistant
- Abrasion and chemical resistant
- Pigtail lengths — 16" swivel end, 8" rigid end
- Working pressure: 125 psi at 73°F
- Minimum burst pressure 375 psi at 73°F
- Color: transparent blue
- Typical applications include: air tools, robotics, vacuum equipment, analytical instrumentation and medical/laboratory
- Reusable 1/4" male pipe rigid fitting on one end with 1/4" male pipe swivel fitting on other end

Part No.	Hose I.D. (In.)	Hose O.D. (In.)	Pipe Thd. (In.)	Feet Per Roll	Unit
2665	1/4	1/4	1/4	10	1
2665N	1/4	3/8	1/4	25	1

Flexeel, Reinforced Polyurethane Recoil Hose Assemblies



- Flexeel recoil hoses offer exceptional abrasion, oil and chemical resistance with UV stabilizers for outdoor applications
- Features a braided cord reinforcement that permits working pressures of up to 200 P.S.I., well above the limits of standard polyurethane hoses
- Extremely flexible and lightweight; only one third the weight of rubber hoses
- Unlike nylon recoil hoses, polyurethane cannot be permanently damaged by kinking
- Clear, blue color allows for visual inspection of accumulations of oils, moisture and other damaging debris
- Pressure rating: 200 P.S.I.
- Temperature range: -40°F to 165°F
- Hose end fittings: 1/4" NPTF male swivel ends with pre-applied sealant
- ALL UNIT QTY: 1

Part No.	Hose I.D. (In.)	Hose O.D. (In.)	Length (Ft)
KP1868	1/4	3/8	3
KP1869	1/4	3/8	15
KP1870	1/4	3/8	25

Superflex PVC Air Hose



- Constructed of the highest quality PVC, Superflex offers superior oil, chemical and abrasion resistance for unmatched durability and service life
- Extremely lightweight (only about 60% of the weight of comparable rubber hoses) for added maneuverability and reduced user fatigue
- Features factory quality crimped hose ends with strain relievers eliminating premature failure caused by pulling
- High visibility yellow cover is non-marking and improves shop safety
- Hose ends: Brass 1/4" N.P.T.F. male
- Temperature range: 0°-150°F
- Maximum rated pressure: 350 P.S.I.
- ALL UNIT QTY: 1

Part No.	Hose I.D. (In.)	Length (Ft)	Maximum Working Pressure (P.S.I.)
KP76140	3/8	25	350
KP76141	3/8	50	350

Red Rubber Air Hose Assemblies



- Heavy-duty 2-ply construction withstands 250 P.S.I. working pressure
- Each hose length comes complete with 1/4" N.P.T.F. male pipe hose ends attached
- ALL UNIT QTY: 1

Part No.	Hose I.D. (In.)	Hose O.D. (In.)	Pipe Size Fitting	Length (Ft)
KP69745	¼	½	¼	25

Rubber Covered Air Hose



- Use with hose barb or barb-tite fittings
- ALL UNIT QTY: 1

Part No.	Hose I.D. (In.)	Hose O.D. (In.)	Maximum Working Pressure (P.S.I.)	Minimum Burst Pressure (P.S.I.)	Feet
KP66956	½	25/32	400	1600	25
KP77434	¼	½	400	1000	50
KP77435	⅜	⅝	400	1000	50
KP77436	½	25/32	400	1600	50

Red Rubber Hose Whip Assemblies



- Hose Whip Assemblies provide a wider range of motion when used with air-powered tools, reducing user fatigue
- Hose whips act as a shock absorber, dampening pressure surges and extending tool and coupler life
- Features a ball swivel end that provides a 60° range of motion and 360° rotation, improving maneuverability and relieving stresses that damage hoses
- Made of red EPDM rubber with a braided rayon cord reinforcement
- Pressure rating: 250 P.S.I.
- Temperature range: -40°F to 180°F
- Hose end fittings: 1/4" male NPTF ball swivel X 1/4" NPTF female rigid
- ALL UNIT QTY: 1

Part No.	Hose I.D. (In.)	Hose O.D. (In.)	Length (In.)
KP1733	¼	17/32	12
KP1734	¼	17/32	24
KP1735	⅜	21/32	18
KP1736	⅜	21/32	30

Flexeel, Reinforced Polyurethane Hose Whip Assemblies



- Flexeel Hose Whip Assemblies offer all of the same features as Red Rubber Hose Whips with the additional advantages of polyurethane construction
- Offers superior abrasion, chemical and oil resistance with UV stabilizers for outdoor use
- Extremely flexible and lightweight; only one third the weight of rubber hoses
- Braided cord reinforcement allows for a working pressure of 200 P.S.I. well above the range of standard polyurethane hoses
- Clear, blue color allows for visual inspection of accumulations of oils, moisture and other damaging debris
- Pressure rating: 200 P.S.I.
- Temperature range: -40°F to 165°F
- Hose end fittings: 1/4" male NPTF ball swivel X 1/4" NPTF female rigid
- ALL UNIT QTY: 1

Part No.	Hose I.D. (In.)	Hose O.D. (In.)	Length (In.)
KP1737	¼	⅜	12
KP1738	¼	⅜	24
KP1739	⅜	9/16	18
KP1740	⅜	9/16	30

Emergency Air Hose Repair Kit



Complete Kit

Part No. KP60834

- Kit will allow emergency repair for 3/8" I.D., 3/4" O.D. hose
- Kit contains:

1 - Coupler, Part No. 10973
2 - Clamps, Part No. 24109

- UNIT: 1

Parts for Emergency Air Hose Repair Kit:



Clamp

Part No. 24109



Coupler

Part No. 10973

Brass Air Hose Ferrules



- Solid brass ferrules can be easily crimped onto air hoses to form professional, permanent air hose assemblies
- Used with Kar's line of brass hose barb fittings, brass hose ferrules eliminate the need for hose clamps that can damage the hose outer cover and become snagged on objects in the shop
- To select correct ferrule, simply match hose O.D. to closest size ferrule I.D.

Part No.	I.D. (In.)	Length (In.)	Hose Size	Metal Thickness	Unit
KP84158	.450	.718	.328	.025	25
KP84159	.500	.718	.328	.025	25
KP84160	.550	.718	.406	.025	25
KP84161	.600	.968	.453	.025	25
KP84162	.650	.968	.453	.025	25
KP84163	.700	.968	.500	.025	25
KP84164	.750	.968	.500	.025	25
KP84165	.800	.968	.593	.025	25
KP84169	.850	.968	.687	.025	25
KP84170	.900	.968	.750	.025	10
KP84171	.950	.968	.750	.025	10
KP84172	1.000	.968	.875	.040	10

Hose Ferrule Crimping Tool

- Makes professional quality hose assemblies
- Crimps 1/4" single braid hose through 3/8" double braid hose
- Completely self contained
- Made of high strength ductile iron casting with 5 hardened steel ribbed dies
- One hand operation

Directions:

1. Slip ferrule over hose end.
2. Insert hose barb fitting into hose. (Lubricant is recommended for easier assembly)
3. Center ferrule in correct die opening and depress crimping arm fully.
4. Rotate hose 1/4 turn and repeat to finish crimp.



Part No.	Description	Unit
KP84229	Hose ferrule crimping tool	1
KP84230	Optional 7/16" die for welding hose	1
KP84231	Optional 13/16" die for 5/8" O.D. hose	1

Air Products - Brass Hose Barbs

Rapid Reel®

Manual Rewind Air Hose Reel

- RAPID REEL® air hose reel provides the perfect solution to hose storage and handling problems
- Manual rewind design; ergonomic handle permits easy, fast rewinding of hose
- Reduces shop hazards and extends air hose life
- Tension brake prevents hose from unrolling itself
- Crushproof drum with stamped steel beveled flanges for maximum durability and storage capacity
- Ready to hook up—comes complete with hose lead with 1/4" male N.P.T.F. end and mounting plate for floor, wall or bench mounting; optional hand caddy stand available separately
- Maximum working pressure: 300 P.S.I.
- Maximum temperature rating: 150°F, 65°C
- Maximum hose capacity: 3/8" I.D., hose-50'; 1/2" I.D., hose-30'



Part No.	Description	Unit
AP1446	Manual rewind air hose reel	1

(Hose not included)

Hand Carry Caddy for RAPID REEL®

- Hand carry caddy provides hose reel portability; great for off-site work, construction sites, etc.
- Tubular steel frame design with cushioned rubber feet for maximum durability and stability

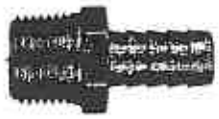


Part No.	Description	Unit
AP1447	Hand carry caddy for rapid reel	1

(Rapid Reel® and hose available separately)

Hose Barb Fittings-Brass

Male Pipe Hose Barb Fittings (Brass)



Part No.	Parker No.	Hose I.D. (In.)	Pipe Thd. (In.)	Unit
AP80457	125HBL-3-2	3/16	1/8	10
11300	125HBL-4-2	1/4	1/8	5
11301	125HBL-4-4	1/4	1/4	5
11302	125HBL-4-6	1/4	3/8	5
11303	125HBL-5-2	5/16	1/8	5
11304	125HBL-5-4	5/16	1/4	5
11305	125HBL-6-2	3/8	1/8	5
11306	125HBL-6-4	3/8	1/4	5
11307	125HBL-6-6	3/8	3/8	5
11307-1	125HBL-6-8	3/8	1/2	5
11308	125HBL-8-4	1/2	1/4	5
11309	125HBL-8-6	1/2	3/8	5
11310	125HBL-8-8	1/2	1/2	5
11311	125HBL-8-12	1/2	3/4	5
11312	125HBL-10-6	5/8	3/8	5
11313	125HBL-10-8	5/8	1/2	5
C23884	125HBL-10-12	5/8	3/4	5
11314	125HBL-12-8	3/4	1/2	5
11315	125HBL-12-12	3/4	3/4	5
11316	125HBL-16-6	1	3/4-14	5
11317	125HBL-16-16	1	1-11 1/2	5

Swivel Male Barbed Insert (Brass)



Part No.	Parker No.	Hose I.D. (In.)	Pipe Thd. (In.)	Unit
2748	125HBL2V-4-4	1/4	1/4	5
2748-1	125HBLSV-6-4	3/8	1/4	25
2750	125HBLSV-6-6	3/8	3/8	5
2750-1	—	1/2	1/4	25

Female Pipe Hose Barb Fittings (Brass)



Part No.	Parker No.	Hose I.D. (In.)	Pipe Thd. (In.)	Unit
11320	126HBL-4-2	1/4	1/8	5
11321	126HBL-4-4	1/4	1/4	5
11322	126HBL-5-4	5/16	1/4	5
11323	126HBL-6-2	3/8	1/8	5
11324	126HBL-6-4	3/8	1/4	5
11325	126HBL-6-6	3/8	3/8	5
11326	126HBL-8-6	1/2	3/8	5
11327	126HBL-8-8	1/2	1/2	5

Hose Barb Fitting

Hose Barb to Female Ball End Swivel

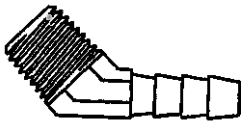
Brass



Part No.	Parker No.	Hose ID (In.)	Female Pipe Thd. (In.)	Unit
701000	128HBLSV-4-4	1/4	1/4-18	5
701001	128HBLSV-5-4	5/16	1/4-18	5
701002	128HBLSV-6-4	3/8	1/4-18	5
701003	128HBLSV-6-6	3/8	3/8-18	5
701004	128HBLSV-8-8	1/2	1/2-14	5

Hose Barb Fittings

Male Pipe Rigid, 45° Elbow



- Brass

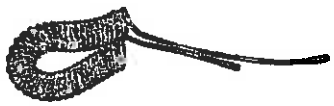
Part No.	Parker No.	Hose I.D. Size (In.)	Pipe Thread (In.)	Unit
11335	139HB-4-2	1/4	1/8	5
11336	139HB-4-4	1/4	1/4	5
11337	139HB-6-4	3/8	1/4	5

Reusable Hose Fittings (Brass)



Part No.	Hose I.D. (In.)	Hose O.D. (In.)	Pipe Thd. (In.)	Unit
2741	1/4	5/8	1/4	5
2742	3/8	3/4	1/4	5

Polyurethane Air Hose Coils



- Kink resistant—polyurethane tubing cannot be permanently kinked
- Has excellent memory—even after being stretched, it snaps back to its original compact size
- Lasts up to 10 times longer than nylon coils
- Light and flexible
- Made in the U.S.A.
- Temperature -40°F to 180°F
- All hoses are complete with 1/4" N.P.T. swivel fittings
- ALL UNIT QTY: 1

Continued on next page

Continued from previous page

Part No.	Tube O.D. (In.)	Tube I.D. (In.)	Length (Ft)	Working Pressure At 75°F	At 100°F	At 125°F
KP84285	¼	.160	3	125	100	80
KP84114	¼	.160	15	125	100	80
KP84115	¼	.160	25	125	100	80
KP84286	⅜	.250	3	125	100	90
KP84116	⅜	.250	15	125	100	90
KP84117	⅜	.250	25	125	100	90

Reusable Fittings For Polyurethane Air Hose Coils



Male Pipe Swivel

Part No.	Tube O.D. (In.)	Tube I.D. (In.)	Pipe Size (In.)	Coupler Body Size (In.)	Unit
KP84395	⅜	.250	¼	—	2

Male Pipe Rigid 90° Elbow



Part No.	Parker No.	Hose I.D. (In.)	Pipe Thd. (In.)	Unit
11594	129HB-4-2	¼	⅛	5
11595	129HB-4-4	¼	¼	5
11596	129HB-6-4	⅜	¼	5
11597	129HB-6-6	⅜	⅜	5
11598	129HB-8-6	½	⅜	5

Barbed Hose Couplers (Brass)



Part No.	Parker No.	Hose I.D. (In.)	Unit
10970	122HBL-3	3/16	5
10971	122HBL-4	¼	5
10972	122HBL-5	5/16	5
10973	122HBL-6	⅜	10
10274	122HBL-8	½	5

Reusable Hose Splicer (Brass)



Part No.	Hose I.D. (In.)	Hose O.D. (In.)	Unit
2746	¼	½	5
2747	¼	⅝	5
2749	⅜	¾	5

Low Pressure Hydraulic Hose

Industry Dash Numbers for Hose Sizes									
Actual I.D.	3/16	1/4	5/16	3/8	1/2	½	⅝	¾	⅞
Low Pressure Hose/ Standard Dash No.	-3	-4	-5	-6		-8	-10	-12	

Industry Dash Numbers for Hose Sizes								
Actual I.D.	⅞	1	1⅛	1¼	1⅜	1½	1 13/16	2
Low Pressure Hose/ Standard Dash No.		-16		-20		-24		-32

- S.A.E. 100R6
- Tube: Buna-N, black, specially compounded, synthetic rubber
- Reinforcement: one fiber braid
- Cover: black, neoprene, oil and abrasion resistant, synthetic rubber
- Temperature range: -40°F to 200°F
- Most commonly used for flexible fuel, oil filter and power steering return lines
- Resistant to gasoline, oil, grease and other petroleum products, common hydraulic fluids, air and water
- ALL UNIT QTY: 1 - 25 ft. roll



Part No.	Weather-head No.	Hose I.D. (In.)	Hose O.D. (In.)	Working Pressure (P.S.I.)	Min. Burst Pressure (P.S.I.)	Min. Bend Radius (In.)
KP66953	H00904	¼	.50	400	1600	2.5
KP66954	H00905	5/16	.56	400	1600	3
KP66955	H00906	⅜	.63	400	1600	3
KP66956*	H00908	½	25/32	400	1600	4

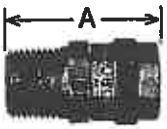
* Can be used as fuel line

Reusable Brass Hose Ends

- For use with SAE 100R6 low pressure hose
- UNIT: 4

Male Pipe Rigid

- UNIT: 4



Part No.	Weatherhead No.	Hose I.D. (In.)	Pipe Size (In.)	Thread Size (In.)	Approx. A (In.)
KP76668	00904B-104	¼	¼	¼-18	1⅜

Brass Fittings Air Brake Union DOT

Hose End Fitting Assembly Kit



- For DOT 106 and SAE J1402 air brake hose
- Includes: two ½" NPTF brass swivel fittings; two 5/16" hex head nylon barbs for ¾" I.D. air brake hose (Type AS, AI and AII); four nylon shells; two brass retaining rings; instructions

Part No.	Description	Unit
2112-3	End Fitting Assembly Kit	1 Kit

Hose End Fitting Assembly Kit



- For DOT 106 and SAE J1402 air brake hose
- Includes: two ⅜" NPTF brass swivel fittings; two 5/16" hex head nylon barbs for ¾" I.D. air brake hose (Type AS, AI and AII); four nylon shells; two brass retaining rings; instructions

Part No.	Description	Unit
2112-2	End Fitting Assembly Kit	1 Kit

Air Brake- Hose Assemblies

Brake Hose Assemblies



Applications:

Air brake hose lines

Hydraulic Applications:

Maximum continuous operating temperature +200°F, maximum intermittent temperature +250°F. Temperature in excess of +250°F will shorten hose life

Air and Water Applications:

Maximum continuous temperature +160°F to +180°F depending on application

Inner Tube:

Synthetic rubber

Reinforcement:

2 fibre braids

Cover:

Synthetic rubber (perforated)

Temperature:

-40°F to 200°F

Pressure:

Maximum working pressure 125 psi. Proof test pressure 200 psi

With assembled fittings:

d fixed with male NPTF rigid; one end with ABS swivel apter

Specifications:

Comm. version MIL-H-3992 Type I Class 1; meets DOT FMVSS571; 106 TYPE II; Penn State approved

Part No.	Hose I.D. (In.)	Hose O.D. (In.)	Pipe Thread on Both Ends	Unit	A (In.)
11751	⅜	¾	¼	1	24
11752	⅜	¾	¼	1	30
11753	⅜	¾	¼	1	32
11754	⅜	¾	¼	1	36
11756	⅜	¾	⅜	1	36
11757	⅜	¾	⅜	1	48
11759	½	⅞	⅜	1	24
11760	½	⅞	⅜	1	36
11761	½	⅞	⅜	1	48
11762	½	⅞	⅜	1	60

Heavy-Duty Air Brake Hose Assemblies



- With assembled fittings NPTF sizes
- Both ends swivel
- 125 psi Maximum working pressure
- 200 psi proof test pressure
- Meets DOT spec FMVSS 571.106 Type II and SAE J1402

For ⅜" I.D. Hose

Part No.	Pipe Thread on Both Ends	Length (In.)	Unit
11216-24	⅜-18	24	1
11216-36	⅜-18	36	1
11216-48	⅜-18	48	1

Air Brake- NTA- For Nylon Tubing- DOT

NTA Air Brake Fittings



Application:

Air brake systems, air control and gauge lines

Pressure Ranges:

150 psi

Temperature:

-40°F to 200°F

Used With:

SAE J844 Type 3A and 3B nylon airbrake tubing

Material:

Brass with stainless steel inserts and ribbed sleeve for compression and positive grip

Approvals:

Meets DOT FMVSSS 571.106

Note: Be sure to use proper sleeve. The flanged sleeve compression type fitting is intended foe use with nylon tubing per SAE J844.

Bulkhead Union



Part No.	Parker No.	Tube Size (In.)	Thread Size (In.)	Unit
10750-1	62ANBH-4	¼	7/16-24	5
10751-1	62ANBH-6	⅜	9/16-24	5
10752-1	62ANBH-8	½	11/16-20	5
C9997	—	¼	13/16-18	2

Sleeves

SAE 100115



SAE 100115

Part No.	Parker No.	Tube Size (In.)	Unit
C8556	60NTA-2	⅛	100
10745-1	60NTA-3	3/16	25
10745	60NTA-4	¼	25
10746	60NTA-6	⅜	25
10747	60NTA-8	½	10
10748	60NTA-10	⅝	10
10749-1	60NTA-12	¾	10

Nuts

SAE 100110



Part No.	Parker No.	Tube Size (In.)	Unit
870219	61C-2	⅛	10
10737	61NTA-3	3/16	10
10740	61NTA-4	¼	10
10741	61NTA-6	⅜	10
10742	61NTA-8	½	10
10743	61NTA-10	⅝	10
10869	61NTA-12	¾	5

Stainless Steel Inserts



- Used to prevent collapse or damage of soft tubing
- For SAE J844 Tubing

Part No.	Parker No.	Insert O.D. (In.)	Fits Tube Size	Use with Tubing No.	Unit
10744-12*	—	5/64	1/8 (.023 wall)	10858	10
C511512	—		3/16 (.40 wall)	10859	1
10854-1*	—	7/32	5/16 (.040 wall)	10859-1	25
10893	63NTA-4	11/64	1/4 (.040 wall)	10859	25
10894	63NTA-6	15/64	3/8 (.062 wall)	10860	25
10895	63NTA-8	3/8	1/2 (.062 wall)	10861	25
10857	63NTA-10	7/16	5/8 (.092 wall)	10862	25
10857-1	63NTA-12	9/16	3/4 (.092 wall)	10863	15

*Brass

Union

SAE 100101BA



Part No.	Parker No.	Tube Size (In.)	Unit
10750	62NTA-4	1/4	10
10751	62NTA-6	3/8	10
10752	62NTA-8	1/2	5
10753	62NTA-10	5/8	5
10753-1	62NTA-12	3/4	5

Male Connector

SAE 100102BA



Part No.	Parker No.	Tube Size (In.)	Pipe Thd. (In.)	Unit
10761-Y*	—	1/8	1/16	10
C85376	—	1/8	1/8	5
10761-1	VS68NTA-3-1	3/16	1/8	10
10761-2	VS68NTA-3-2	3/16	1/4	10
10761	VS68NTA-4-2	1/4	1/4	10
10762	VS68NTA-4-4	1/4	1/4	10
10762-1	VS68NTA-4-6	1/4	3/8	10
C99895	—	3/8	3/8	2
10763	VS68NTA-6-2	3/8	1/4	10
10764	VS68NTA-6-4	3/8	1/4	10
10765	VS68NTA-6-6	3/8	3/8	5
10765-X	VS68NTA-6-8	3/8	1/2	5
10765-2	VS68NTA-8-4	1/2	1/4	5
10765-1	VS68NTA-8-6	1/2	3/8	5
10766	VS68NTA-8-8	1/2	1/2	5
10767	VS68NTA-10-8	5/8	1/2	5
10767-1	VS68NTA-12-8	3/4	1/2	5
C99897	VS68NTA-12-12	3/4	3/4	2

*Not DOT

Male Connector

Swivel Male Pipe



2112-4



2112-5

Part No.	Tube Size (In.)	Swivel End Size NPTF (In.)	Tube Threads	Swivel Fitting Type	Unit
2112-4	1/4	1/4	7/16-24	Straight	5
2112-5	1/2	3/8	1 1/16-20	Straight	5
2112-6	1/4	1/4	7/16-24	45°	5
2112-7	1/2	1/2	1 1/16-20	45°	5

Female Connector

SAE 100103BA

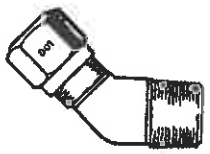


SAE 100103BA

Part No.	Parker No.	Tube Size (In.)	Thread Size (In.)	Pipe Thd. (In.)	Unit
10754-X	—	1/8	5/16-24	1/8	10
10754	66NTA-4-2	1/4	5/16-24	1/8	10
10755	66NTA-4-4	1/4	5/16-24	1/4	10
10756	66NTA-6-2	3/8	7/16-24	1/8	10
10757	66NTA-6-4	3/8	7/16-24	1/4	10
10758	66NTA-6-6	3/8	7/16-24	3/8	5
10758-1	66NTA-8-6	1/2	1 1/16-20	3/8	5
10759	66NA-8-8	1/2	1 1/16-20	1/2	5
10760	66NTA-10-8	5/8	1 5/16-18	1/2	5

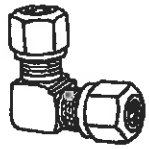
45° Male Elbow

SAE 100302BA



Part No.	Parker No.	Tube Size (In.)	Pipe Thd. (In.)	Unit
10781	VS279NTA-4-2	1/4	1/8	10
10782	VS279NTA-4-4	1/4	1/4	10
10783	VS279NTA-6-2	3/8	1/8	10
10784	VS279NTA-6-4	3/8	1/4	10
10785	VS279NTA-6-6	3/8	3/8	5
C99931	VS279NTA-6-8	3/8	1/2	2
10797	VS279NTA-8-4	1/2	1/4	5
10786	VS279NTA-8-6	1/2	3/8	5
10797-1	VS279NTA-8-8	1/2	1/2	5
C534864	VS279NTA-10-6	5/8	3/8	2
10787	VS279NTA-10-8	5/8	1/2	5

Union Elbow

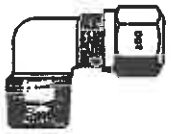


SAE No. 100201 BA

Part No.	Parker No.	Tube	Unit
C534702	265NTA-4	1/4	2
C534703	265NTA-6	3/8	2
C534704	265NTA-8	1/2	2
C534706	265NTA-10	5/8	2

90° Male Elbow

SAE 100202BA



Part No.	Parker No.	Tube Size (In.)	Thread Size (In.)	Pipe Thd. (In.)	Unit
10772-Y*	—	1/8	5/16-24	1/8	10
10772-1	VS269NTA-3-2	3/16	5/16-24	1/8	10
10772-2	VS269NTA-3-4	3/16	5/16-24	1/4	10
10772	VS269NTA-4-2	1/4	7/16-24	1/8	10
10773	VS269NTA-4-4	1/4	7/16-24	1/4	10
10774	VS269NTA-4-6	1/4	7/16-24	3/8	5
10775	VS269NTA-6-2	3/8	7/16-24	1/8	10
10776	VS269NTA-6-4	3/8	7/16-24	1/4	10
10777	VS269NTA-6-6	3/8	7/16-24	3/8	5
10778	VS269NTA-6-8	3/8	7/16-24	1/2	
10778-1	VS269NTA-8-4	1/2	1 1/16-20	1/4	
10779	VS269NTA-8-6	1/2	1 1/16-20	3/8	5
10779-1	VS269NTA-8-8	1/2	1 1/16-20	1/2	5
10779-2	VS269NTA-10-6	5/8	1 3/16-18	3/8	5
10780	VS269NTA-10-8	5/8	1 3/16-18	1/2	5
10780-1	VS269NTA-12-8	3/4	1-18	1/2	5

*Not DOT

Female Elbow

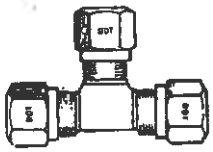


SAE No. 100203 BA

Part No.	Parker No.	O.D. (In.)	Pipe Size	Straight Thread	Unit
KP71349	270NTA-3-2	3/16	1/8	5/16-24	5
C99907	270NTA-4-2	1/4	1/8	7/16-24	5
C534761	270NTA-4-4	1/4	1/4	7/16-24	10
C99909	270NTA-6-2	3/8	1/4	7/16-24	2
C534762	270NTA-6-4	3/8	1/4	7/16-24	2
C534764	270NTA-6-6	3/8	3/8	7/16-24	2
KP70273	270NTA-8-8	1/2	1/2	1 1/16-20	3

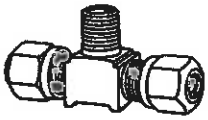
Brass Fittings Air Brake Union DOT

Union Tee
SAE 100401BA



Part No.	Parker No.	Tube Size (In.)	Unit
10768	264NTA-4	¼	10
10769	264NTA-6	⅜	10
10769-1	----	⅜ x ¼	5
10770	264NTA-8	½	5
10771	264NTA-10	⅝	5

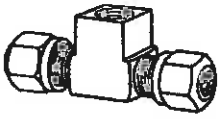
Male Branch Tee
SAE 100425BA



Part No.	Parker No.	Tube Size (In.)	Pipe Thd. (In.)	Unit
10793-2	—	3/16	⅛	5
10793-3	VS272NTA-4-2	¼	⅛	5
10793-4	VS272NTA-4-4	¼	¼	5
10793-5	VS272NTA-6-2	⅜	⅛	5
10793	—	⅜	¼	5
10793-1	VS272NTA-6-4-4	⅜ x ¼	¼	5
10794	VS272NTA-6-6	⅜	⅜	5
10793-6	VS272NTA-8-4	½	¼	5
795-1	VS272NTA-8-8	½	½	5
.0795	VS272NTA-8-6	½	⅜	5
10795-2	VS272NTA-10-8	⅝	½	5

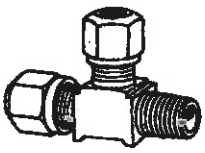
*Canada only

Female Branch Tee



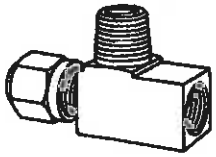
Part No.	Ind. Dash No.	Tube Size (In.)	Thread Size (In.)	Pipe Thd. (In.)	Unit
10796	6-4	⅜	7/16-24	¼	5

Male Run Tee
SAE 100424BA



Part No.	Parker No.	Tube Size (In.)	Male Pipe Thd. (In.)	Unit
10788	VS271NTA-4-2	¼	⅛	5
10788-1	VS271NTA-4-4	¼	¼	5
10791	VS271NTA-6-4	⅜	¼	5
10792	VS271NTA-6-6	⅜	⅜	5
10788-2	VS271NTA-8-6	½	⅜	5
10788-3	VS271NTA-8-8	½	½	5
10792-1	VS271NTA-10-8	⅝	½	5

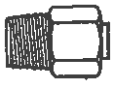
Adapter Tee



Part No.	Ind. Dash No.	Tube Size (In.)	Pipe Thd. M (In.)	Pipe Thd. F (In.)	Unit
10798	6-4-4	⅜	¼	¼	5
10799	6-6-4	⅜	⅜	¼	5

Prestomatic D.O.T. Air Shift Fittings

Male Connector
Tube to male N.P.T.



Part No.	Parker No.	Tube O.D. (In.)	T N.P.T.	Unit
12195	68PM-2-1	⅛	1/16	5
12195-1	68PM-2-2	⅛	⅛	5
12196	68PM-5/32-1	5/32	1/16	5
12196-1	68PM-5/32-2	5/32	⅛	5
715000	68PM-5/32-4	5/32	¼	5
KP150259	68PM-3-1	3/16	1/16	5
12197-1	68PM-3-2	3/16	⅛	5
12197-2	68PM-3-4	3/16	¼	5

Union
Tube to tube



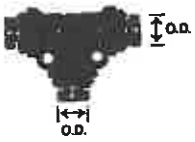
Part No.	Parker No.	Tube O.D. (In.)	T N.P.T.	Unit
KP150104	32PM-2	⅛	—	5
KP150105	32PM-5/32	5/32	—	5
KP150106	32PM-3	3/16	—	5

Union Elbow
Tube to tube



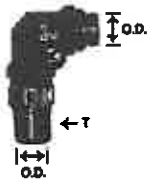
Part No.	Parker No.	Tube O.D. (In.)	T N.P.T.	Unit
KP150110	365PM-2	⅛	—	5
KP150111	365PM-5/32	5/32	—	5
KP150112	365PM-3	3/16	—	5

Tee
Tube to tube



Part No.	Parker No.	Tube O.D. (In.)	T N.P.T.	Unit
KP150107	364PM-2	⅛	—	5
KP150108	364PM-5/32	5/32	—	5
KP150109	364PM-3	3/16	—	5

Male Elbow
Tube to tube N.P.T.

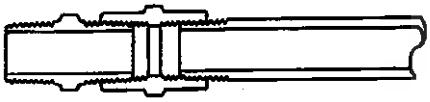


Part No.	Parker No.	Tube O.D. (In.)	T N.P.T.	Unit
KP150113	369PM-2-2	⅛	⅛	5
KP150114	369PM-2-4	⅛	¼	5
KP150115	369PM-5/32-2	5/32	⅛	5
KP150116	369PM-5/32-4	5/32	¼	5
KP150117	369PM-3-2	3/16	⅛	5
KP150118	369PM-3-4	3/16	¼	5

This fitting swivels 360° on its threaded base

Brass

Brass Pipe Fittings





Applications: Grease, fuels, LP and natural gas refrigeration, instrumentations & hydraulic systems

Used With: Brass, bronze and iron pipe

Maximum Working Pressure: up to 1200 psi

Operating Proof Pressure: Up to 15,000 psi on ⅛" and ¼" pipe; 5,000 psi on larger sizes

Vibration: Air resistance

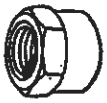
Temperature Range: -65°F to +250°F

Approvals: Meets specifications and standards of ASA, ASME, SAE

Advantages: Dryseal pipe threads; large range of styles and sizes

Assembly Instructions: Pipe fittings should be tightened approximately 2½ turns past hand tight

Caps



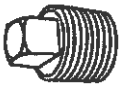
Part No.	Parker No.	Pipe Thrd. (In.)	Unit
11033-1	213P-2	⅛	5
11083-2	213P-4	¼	5
11085-1	213P-6	⅜	5
11085-2	213P-8	½	5

Plug, Slotted



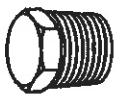
Part No.	Parker No.	Pipe Thd. (In.)	Unit
10829	220P-2	⅛	20
10830	220P-4	¼	10

Plug, Square Head



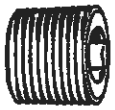
Part No.	Parker No.	Pipe Thd. (In.)	Unit
11082	211P-2	⅛	10
11081	211P-4	¼	10
11083-3	211P-6	⅜	5
11083-4	211P-8	½	5
MP11083-4	211P-8	½	3
11083-9	211P-12	¾	5

Plug, Hex Head



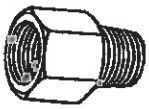
Part No.	Parker No.	Pipe Thrd. (In.)	Unit
11083	218P-2	⅛	10
11083-5	218P-4	¼	5
11083-6	218P-6	⅜	5
11083-7	218P-8	½	5
11033-8	218P-12	¾	2

Plug, Countersunk Hex Head



Part No.	Parker No.	Pipe Thd. (In.)	Unit
11087	219P-2	⅛	10
11087-1	219P-4	¼	10
11087-2	219P-6	⅜	10
11087-3	219P-8	½	10
C033402	219P-12	¾	2

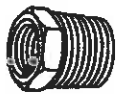
Adapters



Part No.	Parker No.	Male Pipe Thread (In.)	Female Pipe Thread (In.)	Unit
10831	222P-2-2	⅛	⅛	10
10832	222P-4-4	¼	¼	5
10833	222P-4-2	¼	⅛	10
11091-1	—	⅛	⅜	5
*CD550168	222P-6-2	⅜	⅛	5
10833-1	222P-6-6	⅜	⅜	5
10834	—	⅜	½	5
10834-1	—	⅜	¾	2
*CD550169	222P-8-4	½	¼	5
*C530712	222P-8-8	½	½	2
10834-2	—	½	¾	2
MP9694	222P-12-12	¾	¾	4

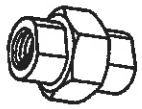
*Canada only

Bushings



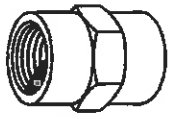
Part No.	Parker No.	Male Pipe Thread (In.)	Female Pipe Thread (In.)	Unit
11085	209P-4-2	¼	⅛	10
11088	209P-6-2	⅜	⅛	10
11089	209P-6-4	⅜	¼	5
11089-1	209P-8-2	½	⅛	5
11089-2	209P-8-4	½	¼	5
11089-3	209P-8-6	½	⅜	5
11089-4	209P-12-8	¾	½	2
11089-5	209P-12-6	¾	⅜	2
11089-6	—	¾	⅛	2
11089-7	—	¾	¼	2

Unions



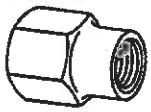
Part No.	Parker No.	Pipe Thd. (In.)	Unit
11118	—	¼	5
11119	212P-4	¼	5
C99723	212P-6	⅜	2
C99724	—	½	2

Couplings



Part No.	Parker No.	Pipe Thd. (In.)	Unit
11090	207P-2	⅛	10
11090-1	207P-4	¼	5
11090-2	207P-6	⅜	5
11090-3	207P-8	½	5
MP11090-3	207P-8	½	2
11090-4	207P-12	¾	5

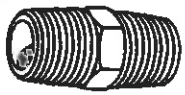
Coupling, Reducing



Part No.	Parker No.	Pipe Thd. (In.)	Unit
11091	208P-4-2	¼ x ⅛	5
MP11091	208P-4-2	¼ x ⅛	2
11091-2	—	⅜ x ⅛	5
11091-3	208P-6-4	⅜ x ¼	5
MP11091-3	208P-6-4	⅜ x ¼	2
*CD550167	208P-8-4	½ X ¼	5
11091-4	208P-8-6	½ x ⅜	5
MP11091-4	208P-8-6	½ x ⅜	2
SP9688	208P-12-8	¾ X ½	4

*Canada only

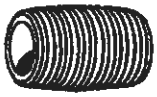
Nipple, Hex



Part No.	Parker No.	Pipe Thrd. (In.)	Pipe Thd. (In.)	Unit
11092	216P-2	⅛	⅛	10
10835	216P-4-2	¼	⅛	5
11097	216P-4	¼	¼	5
MP11097	216P-4	¼	¼	4
11097-2	216P-6-2	⅜	⅛	5
11097-5	216P-6-4	⅜	¼	5
11097-1	216P-6	⅜	⅜	5
C530225	216P-8-4	½	¼	10
11097-6	216P-8-6	½	⅜	5
11097-3	216P-8	½	½	5
C530227	216P-12-8	¾	½	10
11097-4	216P-12	¾	¾	5

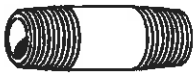
Brass Pipe Fittings

Nipple, Close



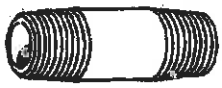
Part No.	Parker No.	Pipe Size (In.)	Unit
11095	215PN-2	⅛ X ¾L	10
11096	216PN-4	¼ X ⅜L	10
11096-1	215PN-6	⅜ X 1L	5
11096-2	215PN-8	½ X 1⅛L	5
11096-3	215PN-12	¾ X 1⅜L	5

Nipple, Long



Part No.	Parker No.	Pipe Thd. (In.)	Length (In.)	Unit
11079	215PNL-2-15	⅛	1½	10
11099-2	215PNL-2-20	⅛	2	5
MP11099-2	215PNL-2-20	⅛	2	2
11099-4	215PNL-2-25	⅛	2½	5
11099-1	215PNL-4-15	¼	1½	5
MP11099-1	215PNL-4-15	¼	1½	2
11099-3	215PNL-4-20	¼	2	5
MP11099-3	215PNL-4-20	¼	2	2
10837	215PNL-4-25	¼	2½	5
10836-1	215PNL-6-15	⅜	1½	5
10836	215PNL-6-20	⅜	2	5
10836-2	215PNL-6-25	⅜	2½	5
11152-5	215PNL-8-18	½	1½	5
11152-6	215PNL-8-20	½	2	5
11152-7	215PNL-8-25	½	2½	5

Red Brass Long Nipples



Applications: Water, oil, air, natural gas and liquified petroleum products NOT RECOMMENDED FOR HYDRAULIC APPLICATIONS.

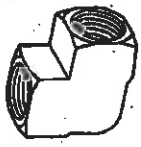
Used With: Brass or iron pipe

Approvals: Meets ASTM B43-91 specifications for CDA 230 alloy red brass pipe, meets ASTM B687-88 and MS51846 requirements

Features: American Standard taper threads (NPT), Schedule 40

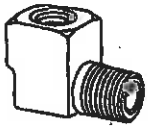
Part No.	Pipe Thd. (In.)	Length (In.)	Unit
11152	⅛	3	5
11152-3	⅛	3½	10
11099-5	⅛	4	5
11099-6	⅛	4½	5
11099-7	⅛	5	5
11099-8	⅛	5½	5
11099-9	⅛	6	5
11152-1	¼	3	5
11152-2	¼	3½	2
11099-10	¼	4	2
11099-11	¼	4½	2
11099-12	¼	5	2
11099-13	¼	5½	2
11099-14	¼	6	2
10836-3	⅜	3	5
10836-4	⅜	3½	5
10836-5	⅜	4	2
10836-6	⅜	4½	2
10836-7	⅜	5	2
10836-8	⅜	5½	2
10836-9	⅜	6	2
11152-8	½	3	5
11152-9	½	3½	5
11152-10	½	4	2
11152-11	½	4½	2
11152-12	½	5	2
11152-13	½	5½	2
11152-14	½	6	2
11153	¾	1½	2
11153-1	¾	2	2
11153-2	¾	2½	2
11153-3	¾	3	2
11153-4	¾	3½	2
11153-5	¾	4	2
11153-6	¾	4½	2
11153-7	¾	5	2
11153-8	¾	5½	2
11153-9	¾	6	2
11154	1	1½ (close)	2
11154-1	1	2	2
11154-2	1	2½	1
11154-3	1	3	1
11154-4	1	3½	2
11154-5	1	4	1
11154-6	1	4½	2
11154-7	1	5	1
11154-8	1	5½	2
11154-9	1	6	1

Elbow, Union



Part No.	Parker No.	Pipe Thd. (In.)	Unit
10842	2200P-2-2	⅛	10
10843	2200P-4-4	¼	10
10844	2200P-6-6	⅜	5
10845	2200P-8-8	½	2
10845-1	—	¾	2

Elbow, Reducing



Part No.	Parker No.	Female Pipe Thread (In.)	Male Pipe Thread (In.)	Unit
10841	2202P-4-2	¼	⅛	5
WB4003ZW	-	118†	118††	10

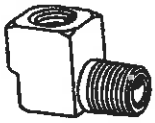
†PTF Short Thread
††PTF Special Short Thread

Elbow, 45° Street



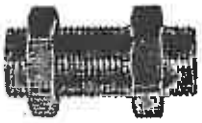
Part No.	Parker No.	Pipe Thd. (In.)	Unit
10838	2214P-2-2	⅛	5
11101-1	2214P-4-4	¼	5
10839	2214P-6-6	⅜	5
10839-1	2214P-8-8	½	2
10839-2	2214P-12-12	¾	2

Elbow, 90° Street



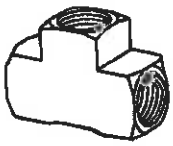
Part No.	Parker No.	Ind. Dash No.	Pipe Thd. (In.)	Unit
11101	2202P-2-2	-	⅛	10
11101-W	2202P-2-2	2	⅛	50
11100	2202P-4-4	-	¼	5
11101-1	2202P-6-6	-	⅜	5
10840	2202P-8-8	-	½	5
10840-1	2202P-12-12	-	¾	5

Bulkhead Coupling



Part No.	Parker No.	Pipe Size (In.)	Unit
MP25686	207ACBH-2	⅛	5
MP25687	207ACBH-4	¼	5
MP25688	207ACBH-6	⅜	2
MP25689	207ACBH-8	½	2

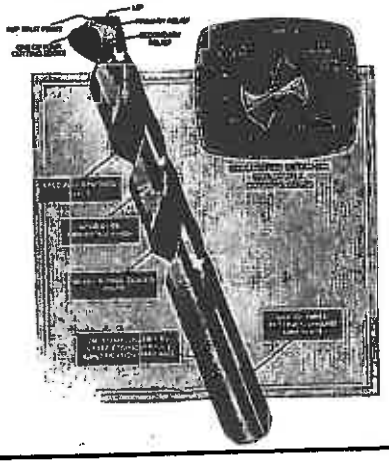
Tees



Part No.	Parker No.	Pipe Thd. (In.)	Unit
11148-1	1204P-2	⅛	5
MP11148-1	1204P-2	⅛	2
11148-2	1204P-4	¼	5
MP11148-2	1204P-4	¼	2
10846	1204P-6	⅜	5
10847	1204P-8	½	2
10847-1	—	¾	2

Quad-Cut® Drill Bits

Quad-Cut® Maintenance Length Drill Bits



Here is a drill bit designed to specifically meet the needs of the maintenance/repair profession.

- Bowman Maintenance Length Quad-Cut® bits are engineered for added efficiency and working ease in handheld drills.
- Developed with greater D/L (diameter to length ratio) to give new amazing stability and control with portable drills; decreases breakage potential.
- Quad-Cut® drill bits are manufactured of high alloy tool steel, providing superior strength and maximum tool life in a wide range of materials.
- The Quad-Cut® 135° split point features *four* cutting edges which eliminates the need for center punching. This drill bit will not "walk" even on curved surfaces.
- The specially contoured flute speeds chip removal and permits easier penetration into the metal.
- Three precision-ground flats* on the shank provides a more positive chuck-grip : . . eliminates bit slippage . . . reduces bit breakage.
- Black Oxide flute treatment promotes super-fast chip removal; longer tool life.
- Gold oxide treatment dissipates heat . . . keeps cutting edges sharper longer; prevents rust.
- Each Bowman Maintenance Length drill bit is laser etched with the drill's size, Bowman/Barnes logo, HSS and U.S.A.
- Each Bowman Maintenance Length drill bit over .250 (¼") is also lot-code marked for traceability; added assurance of quality.

*On ¼" diameter and larger.

Quad-Cut®

Maintenance Length Drill Bits Are Available in Sets or in Single Sizes



Part No.	Size Range (in.)	No. of Pcs.	Unit
20929	1/16 — 1/2 in 1/64 Increments	29	1
20930	1/16 — 1/2 in 1/32 Increments	15	1
20931	1/16 — 3/8 in 1/64 Increments	21	1
20932	1/16 — 1/4 in 1/64 Increments	13	1

Individual Quad-Cut® Maintenance Length Drill Sizes

Part No.	Dia.	OAL (in.)	Unit
20900-1	1/16	2	1
20900	1/16	2	3
20900-10	1/16	2	10
20901-1	5/64	2 1/8	1
20901	5/64	2 1/8	3
20901-10	5/64	2 1/8	10
20902-1	3/32	2 1/4	1
20902	3/32	2 1/4	3
20902-10	3/32	2 1/4	10
20903-1	7/64	2 3/8	1
20903	7/64	2 3/8	3
20903-10	7/64	2 3/8	10
20904-1	1/8	2 1/2	1
20904	1/8	2 1/2	3
20904-10	1/8	2 1/2	10
20905-1	9/64	2 5/8	1
20905	9/64	2 5/8	3
20905-10	9/64	2 5/8	10
20906-1	5/32	2 3/4	1
20906	5/32	2 3/4	3
20906-10	5/32	2 3/4	10
20907-1	11/64	2 7/8	1
20907	11/64	2 7/8	3
20907-10	11/64	2 7/8	10
20908-1	3/16	3	1
20908	3/16	3	3
20908-10	3/16	3	10
20909-1	13/64	3 1/8	1
20909	13/64	3 1/8	3
20909-10	13/64	3 1/8	10
20910-1	7/32	3 1/4	1
20910	7/32	3 1/4	3
20910-10	7/32	3 1/4	10
20911-1	15/64	3 3/8	1
20911	15/64	3 3/8	3
20911-10	15/64	3 3/8	10
20912-1	1/4	3 1/2	1
20912	1/4	3 1/2	3
20912-10	1/4	3 1/2	10
20913-1	17/64	3 5/8	1
20913	17/64	3 5/8	3
20913-10	17/64	3 5/8	10
20914-1	9/32	3 3/4	1
20914	9/32	3 3/4	3
20914-10	9/32	3 3/4	10
20915-1	19/64	3 7/8	1
20915	19/64	3 7/8	3
20915-5	19/64	3 7/8	5
20916-1	5/16	4	1
20916	5/16	4	3
20916-5	5/16	4	5
20917-1	21/64	4 1/16	1
20917	21/64	4 1/16	3
20917-5	21/64	4 1/16	5
20918-1	11/32	4 1/8	1
20918	11/32	4 1/8	3
20918-5	11/32	4 1/8	5
20919-1	23/64	4 3/16	1
20919	23/64	4 3/16	3
20919-5	23/64	4 3/16	5
20920-1	3/8	4 1/4	1
20920	3/8	4 1/4	3
20920-5	3/8	4 1/4	5
20921-1	25/64	4 5/16	1
20921	25/64	4 5/16	3
20921-5	25/64	4 5/16	5
20922-1	13/32	4 3/8	1
20922	13/32	4 3/8	3
20922-5	13/32	4 3/8	5
20923-1	27/64	4 7/16	1
20923	27/64	4 7/16	3
20923-5	27/64	4 7/16	5
20924-1	7/16	4 1/2	1
20924	7/16	4 1/2	3
20924-5	7/16	4 1/2	5
20925-1	29/64	4 5/8	1
20925	29/64	4 5/8	3
20925-5	29/64	4 5/8	5
20926-1	15/32	4 3/4	1
20926	15/32	4 3/4	3
20926-5	15/32	4 3/4	5
20927-1	31/64	4 7/8	1
20927	31/64	4 7/8	3
20927-5	31/64	4 7/8	5
20928-1	1/2	5	1
20928	1/2	5	3
20928-5	1/2	5	5

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® 3/8" Reduced Shank Drill Bits



Part No. 20936

- For drilling large diameter holes with 3/8" hand drill motors

Continued on next page

Cutting Tools - Drill Bits & Sets

Continued from previous page

Part No.	Dia. (In.)	OAL (In.)	Unit
20941	25/64	4 5/16	1
20942	13/32	4 1/8	1
20943	27/64	4 1/16	1
20944	7/16	4 1/2	1
20945	29/64	4 1/8	1
20946	15/32	4 1/4	1
20947	31/64	4 1/8	1
20948	1/2	5	1

Sets

Part No.	Size Range (In.)	No. of Pcs.	Unit
20934	25/64 — 1/2 in 1/64 Increments	8	1
20935	1/16 — 1/2 in 1/64 Increments	29	1
20936	1/16 — 1/2 in 1/32 Increments	15	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® Wire Gauge Drill Bits



Part No.	Wire Ga. Size	Dia.	OAL (In.)	Unit
20801	1	.2280	3 1/8	3
20802	2	.2210	3 1/8	3
20803	3	.2130	3 1/4	3
20804	4	.2090	3 1/4	3
20805	5	.2055	3 1/4	3
20806	6	.2040	3 1/4	3
20807	7	.2010	3 1/4	3
20808	8	.1990	3 1/4	3
20809	9	.1960	3 1/4	3
20810	10	.1935	3 1/4	3
20811	11	.1910	3 1/2	3
20812	12	.1890	3 1/2	3
20813	13	.1850	3 1/2	3
20814	14	.1820	3 1/4	3
20815	15	.1800	3 1/4	3
20816	16	.1770	3 1/2	3
20817	17	.1730	3 1/4	3
20818	18	.1695	3 1/4	3
20819	19	.1660	3 1/4	3
20820	20	.1610	3 1/4	3
20821	21	.1590	3 1/4	3
20822	22	.1570	3 1/2	3
20823	23	.1540	3 1/2	3
20824	24	.1520	3 1/2	3
20825	25	.1495	3	3
20826	26	.1470	3	3
20827	27	.1440	3	3
20828	28	.1405	2 1/4	3
20829	29	.1360	2 1/4	3
20830	30	.1285	2 1/4	3
20831	31	.1200	2 1/4	3
20832	32	.1160	2 1/4	3
20833	33	.1130	2 1/4	3
20834	34	.1110	2 1/4	3
20835	35	.1100	2 1/4	3
20836	36	.1065	2 1/2	3
20837	37	.1040	2 1/2	3
20838	38	.1015	2 1/2	3
20839	39	.0995	2 1/4	3
20840	40	.0980	2 1/4	3
20841	41	.0960	2 1/4	3
20842	42	.0935	2 1/4	3
20843	43	.0890	2 1/4	3
20844	44	.0860	2 1/4	3
20845	45	.0820	2 1/4	3
20846	46	.0810	2 1/4	3
20847	47	.0785	2	3
20848	48	.0760	2	3
20849	49	.0730	2	3
20850	50	.0700	2	3
20851	51	.0670	2	3
20852	52	.0635	1 7/8	3
20853	53	.0595	1 7/8	3
20854	54	.0550	1 7/8	3
20855	55	.0520	1 7/8	3
20856	56	.0465	1 3/4	3
20857	57	.0430	1 3/4	3
20858	58	.0420	1 5/8	3
20859	59	.0410	1 5/8	3
20860	60	.0400	1 5/8	3

Quad-Cut® Wire Gauge Drill Bits Set

Part No.	Description	Unit
20800	1 each drill bit listed above in sturdy metal index	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® Letter Drill Bits



Part No.	Letter Size	Dia.	OAL (In.)	Unit
20870-A	A	.2340	3 1/2	3
20870-B	B	.2380	3 1/2	3
20870-C	C	.2420	3 1/2	3
20870-D	D	.2460	3 1/2	3
20870-E	E	.2500	3 1/2	3
20870-F	F	.2570	3 3/4	3
20870-G	G	.2610	3 5/8	3
20870-H	H	.2660	3 5/8	3
20870-I	I	.2720	3 3/4	3
20870-J	J	.2770	3 3/4	3
20870-K	K	.2810	3 3/4	3
20870-L	L	.2900	3 3/4	3
20870-M	M	.2950	3 7/8	3
20870-N	N	.3020	4	3
20870-O	O	.3160	4	3
20870-P	P	.3230	4 1/16	3
20870-Q	Q	.3320	4 1/8	3
20870-R	R	.3390	4 1/8	3
20870-S	S	.3480	4 3/16	3
20870-T	T	.3580	4 3/16	3
20870-U	U	.3680	4 1/4	3
20870-V	V	.3770	4 1/4	3
20870-W	W	.3860	4 5/16	3
20870-X	X	.3970	4 3/8	3
20870-Y	Y	.4040	4 3/8	3
20870-Z	Z	.4130	4 7/16	3

Quad-Cut® Letter Drill Bits Set

Part No.	Description	Unit
20870	1 each drill bit listed above in sturdy metal index	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® Master Drill Set



Part No.	Size Range	No. of Pcs.	Unit
20935	1-60 Wire Gauge A-Z Letter 1/16-1/2 Fractional	115	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® 1/2" Reduced Shank Drill Bits



- S & D style

Part No.	Dia. (In.)	OAL (In.)	Unit
20950-1	3/64	5 1/2	1
20951	1/32	5 1/2	1
20951-1	5/64	5 1/2	1
20952	9/128	5 1/2	1
20952-1	7/64	5 1/2	1
20953	1/32	5 1/2	1
20953-1	9/64	5 1/2	1
20954	5/128	5 1/2	1
20954-1	11/64	5 1/2	1
20955	21/32	5 1/2	1
20955-1	13/64	5 1/2	1
20956	11/128	5 1/2	1
20956-1	15/64	5 1/2	1
20957	23/32	5 1/2	1
20957-1	17/64	5 1/2	1
20958	3/64	5 1/2	1
20959	19/64	5 1/2	1
20960	25/32	5 1/2	1
20960-1	21/64	5 1/2	1
20961	13/16	5 1/2	1
20961-1	23/64	5 1/2	1
20962	27/32	5 1/2	1
20962-1	25/64	5 1/2	1
20963	1/8	5 1/2	1
20963-1	27/64	5 1/2	1
20964	29/32	5 1/2	1
20965	29/64	5 1/2	1
20966	15/16	5 1/2	1
20966-1	61/64	5 1/2	1
20967	31/32	5 1/2	1
20967-1	63/64	5 1/2	1
20968	1	5 1/2	1
20968-1	1 1/16	6	1
20969	1 1/8	6	1
20969-1	1 3/16	6	1
20970	1 1/4	6	1
20970-1	1 5/16	6	1
20971	1 3/8	6	1

NOTE: Sizes over 1" do not contain flats or split point features.

Continued on next page

Continued from previous page



Part No. 20937

Quad-Cut® ½" Reduced Shank Drill Bit Set

Part No.	Size Range (In.)	No. of Pcs.	Unit
20937	1/16 — 1 in 1/16 Increments	8	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® Left-Hand Drill Bits



- Maintenance Length
- Ideal for removing broken studs and bolts

Part No.	Dia. (In.)	OAL (In.)	Unit
20881-1	1/16	2	1
20881	1/8	2½	1
20882	3/16	3	1
20883	¼	3½	1
20884	5/16	4	1
20885	⅜	4½	1
20886	7/16	4½	1
20887	½	5	1

Sets



Part No. 20879

Part No.	Size Range (In.)	No. of Pcs.	Unit
20880	1/16 — ½ in 1/16 Increments	8	1

Part No.	Size Range (In.)	No. of Pcs.	Unit
20879	5 Bits: 1/16, 1/8, 3/16, ¼, 5/16, 5 Spiral Fluted Screw Extractors (#1 thru #5)	10	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® Twin-End Drill Bits



- For use in drilling sheet steel or any thin gauge materials
- Use #11 for 3/16" rivets, and #30 for ¼" rivets

Part No.	Size	Unit
20982	¼" (.125) Dia.	3
20983	5/32" (.1562) Dia.	3
20984	3/16" (.1875) Dia.	3
20986	¼" (.250) Dia.	3
20987	No. 11 (.1910) Dia.	3
20988	No. 30 (.1285) Dia.	3

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® Extra Length Drill Bits



- Manufactured to NAS 907-B specifications
- For deep hole drilling to depths up to 20 times the drill diameter; special drilling techniques should be employed when using drill bits

Part No.	Dia. (In.)	OAL (In.)	Unit
20973	1/8	12	1
20974	3/16	12	1
20975	¼	12	1
20976	5/16	12	1
20977	⅜	12	1
20978	7/16	12	1
20979	½	12	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® Metric Drill Bits



- Manufactured to DIN Standards

Part No.	Dia. (mm)	OAL (mm)	Flute Lgth. (mm)	Unit
20523	1.00	34	12	1
20524	1.50	40	18	1
20525	2.00	49	24	1
20526	2.50	57	30	1
20527	3.00	61	33	1
20528	3.50	70	39	1
20529	4.00	75	43	1
20530	4.50	80	47	1
20531	5.00	86	52	1
20532	5.50	93	57	1
20533	6.00	93	57	1
20534	6.50	101	63	1
20535	7.00	109	69	1
20536	7.50	109	69	1
20537	8.00	117	75	1
20538	8.50	117	75	1
20539	9.00	125	81	1
20540	9.50	125	81	1
20541	10.00	133	87	1
20542	10.50	133	87	1
20543	11.00	142	94	1
20544	11.50	142	94	1
20545	12.00	151	101	1
20546	12.50	151	101	1
20547	13.00	151	101	1

Metric Sets



Part No.	Size (mm)	No. of Pcs.	Unit
20549	1 through 13 x .5MM	25	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

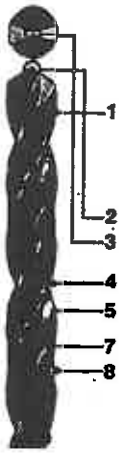
Remember that you can always call our Customer Service Department when you need a sample.

And if you're not sure of exactly what type of fastener you need, rest assured that one call to our Customer Service Department can get you the answer you are looking for!

We're here to serve you so feel free to call us with any questions you may have.

For All Your Fastener Needs!!

Quad-Cut® 4 x 4



FEATURES & BENEFITS

1. FOUR (4) MARGINS

- Four (4) support margins instead of the standard two. Helps align the drill bit in a 90° position to the work piece reducing vibration, resulting in straighter, rounder and closer tolerance holes with a smoother, cleaner finish.
- Helps reduce or eliminate some secondary operations such as reaming and boring; speeds up production.
- Closer to nominal hole size; provides higher productivity when tapping. Maximizes percentage of thread for increased fastener holding power.
- Minimizes need for drill bushings; reduces set-up time; lowers product costs.
- Reduces "run-out" effect, helps to compensate for worn spindles; closer tolerances from older machinery.
- Replaces special, high cost NC/CNC drill bits in numerous applications, providing substantial costs savings.
- Accurate drilling even in convex surfaces; high quality, consistent holes in curved workpieces.

2. 118° CONVENTIONAL POINT ANGLE

An industry standard, commonly used due to its respectable performance in a wide range of materials.

3. MODIFIED SPLIT POINT

Four (4) cutting edges reduce machine tool thrust requirements that result in increased penetration rates into the workpiece while reducing wear on the tool. Self-centering feature reduces need for center drilling and minimizes skidding or "walking" of the drill bit when starting the hole.

4. MANUFACTURED FROM HIGH STRENGTH MOLYBDENUM TOOL STEEL

Provides an outstanding combination of red hardness, toughness and abrasion resistance. Longer tool life. Fewer tool changes. Lower tool costs.

5. STANDARD JOBBER LENGTH

The standard for machine tools. No adjustments to programming required.

6. DIE-FORMED SIZE IDENTIFICATION STAMPED

For easy identification that will last the life of the bit.

7. SPECIALLY CONTOURED FLUTE

Assists and speeds chip removal. Minimizes clogging and binding of chips to increase chip flow. Saves drilling time.

8. OXIDE SURFACE TREATMENT

Dissipates heat, prevents corrosion, chipping and galling. Helps keep cutting edges sharper longer. Dramatically extends service life.

9. EXCEEDS AIRCRAFT SPEC. NAS907A FOR TOLERANCE

Assurance of high quality hole accuracy.

10. MADE IN U.S.A.

Quad-Cut® 4 x 4

AVAILABLE INDIVIDUALLY OR IN AN INDEXED ASSORTMENT CABINET!

INDIVIDUAL SIZES ORDER CHART

Part No.	Dia. (in.)	OAL (in.)	Unit
22425-1	1/16	1 3/16	1
22425	1/16	1 3/16	12
22426-1	5/64	2	1
22426	5/64	2	12
22427-1	1/32	2 1/4	1
22427	1/32	2 1/4	12
22428-1	1/64	2 5/16	1
22428	1/64	2 5/16	12
22429-1	1/8	2 3/4	1
22429	1/8	2 3/4	12
22430-1	9/64	2 7/16	1
22430	1/64	2 1/8	12
22431-1	5/32	3 1/8	1
22431	5/32	3 1/8	12
22432-1	11/64	3 1/4	1
22432	11/64	3 1/4	12
22433-1	3/16	3 1/2	1
22433	3/16	3 1/2	12
22434-1	13/64	3 3/8	1
22434	13/64	3 3/8	12
22435-1	7/32	3 3/4	1
22435	7/32	3 3/4	12
22436-1	15/64	3 7/8	1
22436	15/64	3 7/8	12
22437-1	1/4	4	1
22437	1/4	4	12
22438-1	17/64	4 1/8	1
22438	17/64	4 1/8	12
22439-1	9/32	4 1/4	1
22439	9/32	4 1/4	12
22440-1	19/64	4 3/8	1
22440	19/64	4 3/8	6
22441-1	5/16	4 1/2	1
22441	5/16	4 1/2	6
22442-1	21/64	4 5/8	1
22442	21/64	4 5/8	6
22443-1	11/32	4 3/4	1
22443	11/32	4 3/4	6
22444-1	23/64	4 7/8	1
22444	23/64	4 7/8	6
22445-1	3/8	5	1
22445	3/8	5	6
22446-1	25/64	5 1/8	1
22446	25/64	5 1/8	6
22447-1	13/32	5 1/4	1
22447	13/32	5 1/4	6
22448-1	27/64	5 3/8	1
22448	27/64	5 3/8	6
22449-1	7/16	5 1/2	1
22449	7/16	5 1/2	6
22450-1	29/64	5 5/8	1
22450	29/64	5 5/8	6
22451-1	15/32	5 3/4	1
22451	15/32	5 3/4	6
22452-1	31/64	5 7/8	1
22452	31/64	5 7/8	6
22453-1	1/2	6	1
22453	1/2	6	6



Drill Sets Quad-Cut® 4 x 4

Part No.	Size Range (in.)	No. of Pcs.	Unit
22455	1/16 - 1/2 in 1/64 increments	29	1
22456	1/16 - 1/2 in 1/32 increments	15	1



Part No. 59809B

- 29 Items, 83 Pieces

ASSORTMENT CONTENTS

Part No.	Description	Unit
59809B	Quad-Cut 4 x 4 assortment contains 3 each 1/16" through 1/16" by 1/64" and 2 each 29/64" through 1/2" by 1/64" increments	1

Quad-Cut® Master Tap & Drill Set



This 22-piece set contains 11 Quad-Cut® machine screw/fractional plug taps and 11 Quad-Cut® Tap Drill sizes

Part No.	Description	Unit
20876	Quad-Cut® Master Tap & Drill Set; contains 1 plug tap & 1 tap drill for the sizes listed	1

Replacement Tap Part No.	Quad-Cut® Machine Screw & Fractional Plug Tap Sizes	Replacement Tap Drill Part No.	Quad-Cut® Tap Drill Sizes
20700	4-40	20843	No. 43
20702	6-32	20836	No. 36
20703	8-32	20829	No. 29
20704	10-24	20825	No. 25
20754	10-32	20821	No. 21
20705	12-24	20316	No. 16
20706	1/4"-20	20807	No. 7
20707	5/16"-18	20870-F	No. F
20708	3/8"-16	20916	5/16"
20709	7/16"-14	20870-U	No. U
20710	1/2"-13	20923	27/64"

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® Fractional Tap & Drill Set



This 10-piece set contains five Quad-Cut® Fractional Plug Taps and five Quad-Cut® Tap Drill sizes

Part No.	Description	Unit
20877	Quad-Cut® Fractional Tap & Drill Set; contains 1 plug tap & 1 tap drill for the sizes listed	1

Replacement Tap Part No.	Quad-Cut® Fractional Plug Tap Sizes	Replacement Tap Drill Part No.	Quad-Cut® Tap Drill Sizes
20706	1/4"-20	20807	No. 7
20707	5/16"-18	20870-F	No. F
20708	3/8"-16	20916	5/16"
20709	7/16"-14	20870-U	No. U
20710	1/2"-13	20923	27/64"

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® Machine Screw Tap & Drill Set



This 12-piece set contains six Quad-Cut® machine screw plug taps and six Quad-Cut® Tap Drill sizes

Part No.	Description	Unit
20878	Quad-Cut® Machine Screw Tap & Drill Set; contains 1 plug tap & 1 tap drill for sizes listed	1

Replacement Tap Part No.	Quad-Cut® Machine Screw Plug Tap Sizes	Replacement Tap Drill Part No.	Quad-Cut® Tap Drill Sizes
20700	4-40	20843	No. 43
20702	6-32	20836	No. 36
20703	8-32	20829	No. 29
20704	10-24	20825	No. 25
20754	10-32	20821	No. 21
20705	12-24	20816	No. 16

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Cutting Tools - Drill Bits & Sets

Duralloy Drill Bits

Duralloy Drill Bits

- High speed steel construction
- 135° split point - self centering and reduces thrust
- Unique flute form enhances chip ejection; improves coolant flow to the point
- Heavy duty web construction - offers greater strength and rigidity; improves hole tolerances, resists deflection and permits higher feed rates
- Black and gold oxide - provides added lubricity; dissipates heat
- Made in U.S.A.

Fractional Size - Jobber Length

Part No.	Dia. (in.)	OAL (in.)	Unit
C87737-1	1/16	1 1/16	1
C87737	1/16	1 1/16	6
C87737-12	1/16	1 1/16	12
C87738-1	5/64	2	1
C87738	5/64	2	6
C87738-12	5/64	2	12
C87739-1	3/32	2 1/4	1
C87739	3/32	2 1/4	6
C87739-12	3/32	2 1/4	12
C87740-1	7/64	2 5/16	1
C87740	7/64	2 5/16	6
C87740-12	7/64	2 5/16	12
C87741-1	1/8	2 3/4	1
C87741	1/8	2 3/4	6
C87741-12	1/8	2 3/4	12
C87742-1	9/64	2 7/16	1
C87742	9/64	2 7/16	6
C87742-12	9/64	2 7/16	12
C87743-1	5/32	3 1/16	1
C87743	5/32	3 1/16	6
C87743-12	5/32	3 1/16	12
C87744-1	11/64	3 1/16	1
C87744	11/64	3 1/16	3
C87744-12	11/64	3 1/16	12
C87745-1	3/16	3 1/2	1
C87745	3/16	3 1/2	3
C87745-12	3/16	3 1/2	12
C87746-1	13/64	3 5/8	1
C87746	13/64	3 5/8	3
C87746-12	13/64	3 5/8	12
C87747-1	7/32	3 3/4	1
C87747	7/32	3 3/4	3
C87747-12	7/32	3 3/4	12
C87748-1	15/64	3 7/8	1
C87748	15/64	3 7/8	3
C87748-12	15/64	3 7/8	12
C87749-1	1/4	4	1
C87749	1/4	4	3
C87749-12	1/4	4	12
C87750-1	17/64	4 1/8	1
C87750	17/64	4 1/8	2
C87750-12	17/64	4 1/8	12
C87751-1	9/32	4 1/4	1
C87751	9/32	4 1/4	2
C87751-12	9/32	4 1/4	12
C87752-1	19/64	4 3/8	1
C87752	19/64	4 3/8	2
C87752-6	19/64	4 3/8	6
C87753-1	5/16	4 1/2	1
C87753	5/16	4 1/2	2
C87753-6	5/16	4 1/2	6
C87754	21/64	4 5/8	1
C87754-6	21/64	4 5/8	6
C87755	11/32	4 3/4	1
C87755-6	11/32	4 3/4	6
C87756	23/64	4 7/8	1
C87756-6	23/64	4 7/8	6
C87757	3/8	5	1
C87757-6	3/8	5	6
C87758	25/64	5 1/8	1
C87758-6	25/64	5 1/8	6
C87759	13/32	5 1/4	1
C87759-6	13/32	5 1/4	6
C87760	27/64	5 3/8	1
C87760-6	27/64	5 3/8	6
C87761	7/16	5 1/2	1
C87761-6	7/16	5 1/2	6
C87762	29/64	5 5/8	1
C87762-6	29/64	5 5/8	6
C87763	15/32	5 3/4	1
C87763-6	15/32	5 3/4	6
C87764	31/64	5 7/8	1
C87764-6	31/64	5 7/8	6
C87765	1/2	6	1
C87765-6	1/2	6	6



Drill Sets for Duralloy Drill Bits

Part No.	Size Range (in.)	No. of Pcs.	Unit
C87736	1/16 - 1/2 in., 1/64 increments	29	1
C87735	1/16 - 1/2 in., 1/32 increments	15	1
C87734	1/16 - 1/4 in., 1/64 increments	13	1
C88107	1/16 - 1/4 in., 1/64 increments	21	1

Tin Coated Drill Bits

Titanium "TiN" Coated



- Jobber length
- Straight shank style
- 135° split point, self-centering and starting
- High speed moly tool steel
- Made in the U.S.A.
- Titanium Nitride "TiN" coating - provides the tool with a very high wear resistance and thermal barrier which reduces friction and chip welding
- Recommended applications - production and maintenance portable drilling of ferrous materials below RC 40 and non-ferrous materials

Part No.	Dia. Size (in.)	Overall Length	Unit
KP61943	1/16	1 7/8	1
KP61944	5/64	2	1
KP61945	3/32	2 1/4	1
KP61946	7/64	2 5/16	1
KP61947	1/8	2 3/4	1
KP61948	9/64	2 7/16	1
KP61949	5/32	3 1/16	1
KP61950	11/64	3 1/16	1
KP61952	3/16	3 1/2	1

Part No.	Dia. Size (in.)	Overall Length	Unit
KP61953	13/64	3 5/8	1
KP61954	7/32	3 3/4	1
KP61955	15/64	3 7/8	1
KP61956	1/4	4	1
KP61957	17/64	4 1/8	1
KP61958	9/32	4 1/2	1
KP61959	19/64	4 3/8	1
KP61960	5/16	4 1/2	1
KP61961	21/64	4 5/8	1
KP61962	11/32	4 3/4	1
KP61963	23/64	4 7/8	1
KP61964	3/8	5	1
KP61965	25/64	5 1/8	1
KP61966	13/32	5 1/4	1
KP61967	27/64	5 3/8	1
KP61968	7/16	5 1/2	1
KP61969	29/64	5 5/8	1
KP61970	15/32	5 3/4	1
KP61972	31/64	5 7/8	1
KP61973	1/2	6	1



Sets

Part No.	Description	No. of Pieces	Unit
KP61975	1/16"-1/2", 1/64 Increments	29	1
KP61974	1/16"-1/2", 1/32 Increments	15	1

Screw Machine Drills

Screw Machine Drills

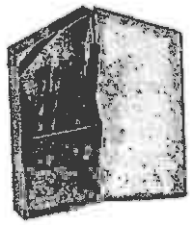


- Screw machine length
- Straight shank style
- 135° split point, self-centering and starting
- M-2 high speed tool steel
- Manufactured to National Aerospace Standard 907
- Made in the U.S.A.

Part No.	Dia. (in.)	OAL (in.)	Unit
KP84662	1/16	1 5/8	1
KP65224	1/8	1 7/8	1
KP65228	3/16	2 1/4	1
KP65230	1/4	2 1/2	1
KP65623	5/16	2 3/4	1
KP78977	3/8	3 1/4	1
KP65627	7/16	3 1/2	1
KP65629	1/2	3 3/4	1

Cobalt Drill Bits

Cobalt Jobber Length Drill Bits



- Heavy-duty — 135° split point
- Higher red hardness than standard HSS drills — accepts higher heat ranges
- Recommended for drilling high-tensile materials and work hardening materials such as high strength alloy steels, stainless steel, titanium, Inconel and armor plate
- Meets NAS 907, Type J specifications
- Made in U.S.A.

Fractional Sizes:

Part No.	Dia. (In.)	OAL (In.)	Unit
KP150527	3/64	1 7/16	1
28803	1/16	1 7/16	12
KP71472	1/16	1 7/16	1
28809	5/64	2	12
KP71473	5/64	2	1
28810	3/32	2 1/4	12
KP71474	3/32	2 1/4	1
28811	7/64	2 5/16	12
KP71475	7/64	2 5/16	1
28812	1/8	2 3/4	12
KP71476	1/8	2 3/4	1
28813	9/64	2 7/16	12
KP71477	9/64	2 7/16	1
28814	5/32	3 1/16	12
KP71478	5/32	3 1/16	1
28815	11/64	3 1/4	12
KP71479	11/64	3 1/4	1
28816	3/16	3 1/2	12
KP71480	3/16	3 1/2	1
28817	13/64	3 5/8	12
KP71481	13/64	3 5/8	1
28818	7/32	3 3/4	12
KP71482	7/32	3 3/4	1
28819	15/64	3 7/8	12
KP71483	15/64	3 7/8	1
28820	1/4	4	12
KP71484	1/4	4	1
28821	17/64	4 1/8	12
KP71485	17/64	4 1/8	1
28822	9/32	4 1/4	12
KP71486	9/32	4 1/4	1
28823	19/64	4 3/8	6
KP71487	19/64	4 3/8	1
28824	5/16	4 1/2	6
KP71488	5/16	4 1/2	1
28825	21/64	4 5/8	6
KP71489	21/64	4 5/8	1
28826	11/32	4 3/4	6
KP71490	11/32	4 3/4	1
28827	23/64	4 7/8	6
KP71491	23/64	4 7/8	1
28828	3/8	5	6
KP71492	3/8	5	1
28829	25/64	5 1/8	6
KP71493	25/64	5 1/8	1
28830	13/32	5 1/4	6
KP71494	13/32	5 1/4	1
28831	27/64	5 3/8	6
KP71495	27/64	5 3/8	1
28832	7/16	5 1/2	6
KP71496	7/16	5 1/2	1
28833	29/64	5 5/8	6
KP71497	29/64	5 5/8	1
28834	15/32	5 3/4	6
KP71498	15/32	5 3/4	1
28835	31/64	5 7/8	6
KP71499	31/64	5 7/8	1
28836	1/2	6	6
KP71500	1/2	6	1

Sets

Part No.	Size Range (In.)	No. of Pcs.	Unit
28837	1/16 - 1/2 in., 1/64 increments	29	1
CA10340	1/16 - 1/2 in., 1/32 increments	15	1

Cobalt Drills

- Jobber length
- Straight shank style
- 135° split point — self-centering and starting
- M-42 high speed cobalt tool steel
- High heat resistant; excellent for alloys, high tensile, and abrasive material
- Manufactured to National Aerospace Standard 907
- Made in the U.S.A.

Part No.	Size	Dec. Equiv.	OAL (In.)	Unit
KP73360	#1	.2262	3 1/8	1
KP73361	#2	.2210	3 1/8	1
KP73362	#3	.2130	3 1/4	1
KP73363	#4	.2090	3 1/4	1
KP73364	#5	.2055	3 1/4	1
KP73365	#6	.2040	3 1/4	1
KP73366	#7	.2010	3 1/4	1
KP73367	#8	.1990	3 1/4	1
KP73368	#9	.1960	3 1/4	1
KP73369	#10	.1935	3 1/4	1
KP73370	#11	.1910	3 1/2	1
KP73371	#12	.1890	3 1/2	1
KP73372	#13	.1850	3 1/2	1
KP73373	#14	.1820	3 1/4	1
KP73374	#15	.1800	3 1/4	1
KP73375	#16	.1770	3 1/4	1
KP73376	#17	.1730	3 1/4	1
KP73377	#18	.1695	3 1/4	1
KP73378	#19	.1660	3 1/4	1
KP73379	#20	.1610	3 1/4	1
KP73380	#21	.1590	3 1/4	1
KP73381	#22	.1570	3 1/4	1
KP73382	#23	.1540	3 1/4	1
KP73383	#24	.1520	3 1/4	1
KP73384	#25	.1495	3	1
KP73385	#26	.1470	3	1
KP73386	#27	.1440	3	1
KP73387	#28	.1405	2 7/8	1
KP73388	#29	.1360	2 7/8	1
KP73389	#30	.1285	2 3/4	1
KP73390	#31	.1200	2 3/4	1
KP73391	#32	.1160	2 3/4	1
KP73392	#33	.1130	2 5/8	1
KP73393	#34	.1110	2 5/8	1
KP73394	#35	.1100	2 5/8	1
KP73395	#36	.1065	2 1/2	1
KP73396	#37	.1040	2 1/2	1
KP73397	#38	.1015	2 1/2	1
KP73398	#39	.0995	2 3/8	1
KP73399	#40	.0980	2 3/8	1
KP73400	#41	.0960	2 3/8	1
KP73401	#42	.0935	2 1/4	1
KP73402	#43	.0890	2 1/4	1
KP73403	#44	.0860	2 1/4	1
KP73404	#45	.0820	2 1/4	1
KP150537	#46	.0810	2 1/4	1
KP150536	#47	.785	2	1
KP150535	#48	.0760	2	1
KP150534	#49	.0730	2	1
KP150533	#50	.0700	2	1
KP150532	#51	.0670	2	1
KP150531	#52	.0635	1 7/8	1
KP150530	#53	.0595	1 7/8	1
KP150529	#54	.0550	1 7/8	1
KP150528	#55	.0520	1 7/8	1

Letter Sizes

Surface Treated Part No.	Letter Size	Dec. Equiv.	OAL	Unit
KP150538	F	.2570	4 1/8	1
KP150539	I	.2720	4 1/8	1
KP150540	Q	.3320	4 3/4	1
KP150541	R	.3390	4 3/4	1
KP150542	S	.3480	4 7/8	1
KP150543	U	.3680	5	1

Car-Bide Drills

Solid Carbide Extreme Performance Drills



- Short length, straight flute style
- Solid micrograin carbide
- 140° radius split point provides ease of penetration
- Flute design increases edge strength, and provides good control
- For production or hand drill usage that is no deeper than three times the drill diameter
- Designed to drill difficult materials, including nickel alloys, chrome alloys, steel weldments, titanium alloys, high temperature alloys, and stainless steel
- For use on material up to a 50-65 Rockwell "C" range
- Made in the U.S.A.

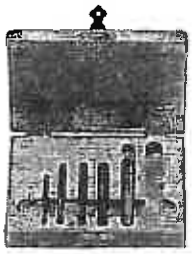
Part No.	Dia. Size	Dec. Equiv.	Flute Length	Overall Length	Unit
KP61513	1/8	.1250	7/8	1 7/8	1
KP61515	3/16	.1875	1 1/4	2 5/16	1
KP61517	1/4	.2500	1 3/8	2 1/2	1
KP61518	5/16	.3125	1 5/8	2 13/16	1
KP61519	3/8	.3750	1 13/16	3 1/8	1
KP61521	1/2	.5000	2 1/4	3 3/4	1

Continued on next page

Cutting Tools - Drill Bits & Sets

Continued from previous page

Set



- Packaged in solid wood case

Part No.	Description	No. of Pieces	Unit
KP61522	Contains 1 Ea: 1/8, 3/16, 1/4, 5/16, 3/8	5	1

Carbide Tipped Drills



- Designed for drilling glass, tile, mirrors and ceramics
- Spear point reduces cutting pressure for a cleaner cut hole
- Carbide tipped point
- M-7 high speed tool steel
- All are Unit = 1

Part No.	Dia. Size	Dec. Equiv.	Actual Dia.	Shank Dia.	OAL (in.)
KP72145	1/4"	.1250	.135	1/4"	2 1/4
KP72146	3/16"	.1875	.197	3/16"	2 1/2
KP72147	1/4"	.2500	.260	3/16"	2 1/2
KP72148	5/16"	.3125	.322	1/4"	3
KP72149	3/8"	.3750	.385	1/4"	3 5/16
KP72150	1/2"	.5000	.515	1/4"	3 5/16

Jobber Length Drill Bits

General-Purpose Jobber Length Drill Bits



- 118° point
- High-speed steel construction; provides satisfactory drilling results in a wide variety of materials
- General-purpose jobber length; adapts to all types of drilling equipment
- Designed for drilling in a wide range of materials including steel and cast iron
- Surface treated for added abrasion resistance and improved chip flow
- Made in U.S.A.

Fractional Sizes

Surface-Treated Part No.	Bright Finish Part No.	Dia. (In.)	OAL (In.)	Unit
22353	22353-B	1/16	1 1/16	12
22354	22354-B	1/64	2	12
22355	22355-B	1/32	2 1/16	12
22356	22356-B	1/64	2 1/16	12
22357	22357-B	1/16	2 1/16	12
22358	22358-B	1/64	2 1/16	12
22359	22359-B	1/32	3 1/16	12
22360	22360-B	1 1/64	3 1/16	12
22361	22361-B	3/16	3 1/2	12
22362	22362-B	1 13/64	3 5/16	12
22363	22363-B	7/32	3 3/4	12
22364	22364-B	15/64	3 7/8	12
22365	22365-B	1/4	4	12
22366	22366-B	17/64	4 1/8	12
22367	22367-B	9/32	4 1/4	12
22368	22368-B	1 9/64	4 3/8	6
22369	22369-B	5/16	4 1/2	6
22370	22370-B	21/64	4 5/8	6
22371	22371-B	1 11/32	4 3/4	6
22372	22372-B	23/64	4 7/8	6
22373	22373-B	3/8	5	6
22374	22374-B	25/64	5 1/8	6
22375	22375-B	13/32	5 1/4	6
22376	22376-B	27/64	5 3/8	6
22377	22377-B	7/16	5 1/2	6
22378	22378-B	29/64	5 5/8	6
22379	22379-B	15/32	5 3/4	6
22380	22380-B	31/64	5 7/8	6
22381	22381-B	1/2	6	6
—	KP65007	1/64	3/4	1
—	KP65008	1/32	1 3/8	1
—	KP65009	3/64	1 3/4	1
—	KP65010	1/16	1 7/8	1
—	KP65011	5/64	2	1
KP65012	—	9/32	2 1/4	1
KP65013	—	7/64	2 5/8	1
KP65014	—	1/8	2 3/4	1
KP65015	—	9/64	2 7/8	1
KP65016	—	5/32	3 1/8	1
KP65017	—	11/64	3 1/4	1
KP65018	—	3/16	3 1/2	1
KP65019	—	13/64	3 5/8	1
KP65020	—	7/32	3 3/4	1
KP65021	—	15/64	3 7/8	1
KP65022	—	1/4	4	1
KP65023	—	17/64	4 1/8	1
KP65024	—	9/32	4 1/4	1
KP65025	—	19/64	4 3/8	1
KP65026	—	5/16	4 1/2	1
KP65027	—	21/64	4 5/8	1
KP65028	—	11/32	4 3/4	1
KP65029	—	23/64	4 7/8	1
KP65030	—	3/8	5	1
KP65031	—	25/64	5 1/8	1
KP65032	—	13/32	5 1/4	1
KP65033	—	27/64	5 3/8	1
KP65034	—	7/16	5 1/2	1
KP65035	—	29/64	5 5/8	1
KP65036	—	15/32	5 3/4	1
KP65037	—	31/64	5 7/8	1
KP65038	—	1/2	6	1



Drill Sets for Fractional Sizes

- Surface Treated

Part No.	Size	No. of Pcs.	Unit
22350	1/16 — 1/2 by 1/64 increments	29	1
22351	1/16 — 1/2 by 1/32 increments	15	1

Wire Gauge Sizes

Surface-Treated Part No.	Bright Finish Part No.	Size	Dec. Equiv.	OAL (In.)	Unit
27501	27501-B	1	0.2280	3 1/8	12
27502	27502-B	2	0.2210	3 1/8	12
27503	27503-B	3	0.2130	3 1/4	12
27504	27504-B	4	0.2090	3 1/4	12
27505	27505-B	5	0.2055	3 1/4	12
27506	27506-B	6	0.2040	3 1/4	12
27507	27507-B	7	0.2010	3 1/4	12
27508	27508-B	8	0.1990	3 1/4	12
27509	27509-B	9	0.1960	3 1/4	12
27510	27510-B	10	0.1935	3 1/4	12
27511	27511-B	11	0.1910	3 1/2	12
27512	27512-B	12	0.1890	3 1/2	12
27513	27513-B	13	0.1850	3 1/2	12
27514	27514-B	14	0.1820	3 3/4	12
27515	27515-B	15	0.1800	3 3/4	12
27516	27516-B	16	0.1770	3 3/4	12
27517	27517-B	17	0.1730	3 3/4	12
27518	27518-B	18	0.1695	3 1/4	12
27519	27519-B	19	0.1660	3 1/4	12
27520	27520-B	20	0.1610	3 1/4	12
27521	27521-B	21	0.1590	3 1/4	12
27522	27522-B	22	0.1570	3 1/4	12
27523	27523-B	23	0.1540	3 1/8	12
27524	27524-B	24	0.1520	3 1/8	12
27525	27525-B	25	0.1495	3	12
27526	27526-B	26	0.1470	3	12
27527	27527-B	27	0.1440	3	12
27528	27528-B	28	0.1405	2 1/4	12
27529	27529-B	29	0.1360	2 1/4	12
27530	27530-B	30	0.1285	2 1/4	12
27531	27531-B	31	0.1200	2 1/4	12
27532	27532-B	32	0.1160	2 1/4	12
27533	27533-B	33	0.1130	2 1/4	12
27534	27534-B	34	0.1110	2 1/4	12
27535	27535-B	35	0.1100	2 1/4	12
27536	27536-B	36	0.1065	2 1/2	12
27537	27537-B	37	0.1040	2 1/2	12
27538	27538-B	38	0.1015	2 1/2	12
27539	27539-B	39	0.0995	2 1/4	12
27540	27540-B	40	0.0980	2 1/8	12
27541	27541-B	41	0.0960	2 1/4	12
27542	27542-B	42	0.0935	2 1/4	12
27543	27543-B	43	0.0890	2 1/4	12
27544	27544-B	44	0.0860	2 1/4	12
27545	27545-B	45	0.0820	2 1/4	12
27546	27546-B	46	0.0810	2 1/4	12
27547	27547-B	47	0.0785	2	12
27548	27548-B	48	0.0760	2	12
27549	27549-B	49	0.0730	2	12
27550	27550-B	50	0.0700	2	12
27551	27551-B	51	0.0670	2	12
27552	27552-B	52	0.0635	1 7/8	12
27553	27553-B	53	0.0595	1 7/8	12
27554	27554-B	54	0.0550	1 7/8	12
27555	27555-B	55	0.0520	1 7/8	12
27556	27556-B	56	0.0465	1 3/4	12
27557	27557-B	57	0.0430	1 3/4	12
27558	27558-B	58	0.0420	1 3/4	12
27559	27559-B	59	0.0410	1 3/4	12
27560	27560-B	60	0.0400	1 3/4	12
27561	—	61	0.0390	1 3/4	12
27562	—	62	0.0380	1 1/2	12
27563	—	63	0.0370	1 1/2	12
27564	—	64	0.0360	1 1/2	12
27565	—	65	0.0350	1 1/2	12
27566	—	66	0.0330	1 3/4	12
27567	—	67	0.0320	1 3/4	12
27568	—	68	0.0310	1 3/4	12

Continued on next page

Continued from previous page

Surface-Treated Part No.	Bright Finish Part No.	Size	Dec. Equiv.	OAL (In.)	Unit
¤27569	—	69	0.0292	1¾	12
¤27570	—	70	0.0280	1¼	12
¤27571	—	71	0.0260	1¼	12
¤27572	—	72	0.0250	1¼	12
¤27573	—	73	0.0240	1¼	12
¤27574	—	74	0.0225	1	12
¤27575	—	75	0.0210	1	12
¤27576	—	76	0.0200	1/8	12
¤27577	—	77	0.0180	1/8	12
¤27578	—	78	0.0160	1/8	12
¤27579	—	79	0.0145	3/4	12
¤27580	—	80	0.0135	3/4	12
KP65042	—	#1	.2280	3¾	1
KP65043	—	#2	.2210	3¾	1
KP65044	—	#3	.2130	3¾	1
KP65045	—	#4	.2090	3¾	1
KP65046	—	#5	.2055	3¾	1
KP65047	—	#6	.2040	3¾	1
KP65048	—	#7	.2010	3¾	1
KP65049	—	#8	.1990	3¾	1
KP65050	—	#9	.1960	3¾	1
KP65051	—	#10	.1935	3¾	1
KP65052	—	#11	.1910	3½	1
KP65053	—	#12	.1890	3½	1
KP65054	—	#13	.1850	3½	1
KP65055	—	#14	.1820	3¾	1
KP65056	—	#15	.1800	3¾	1
KP65057	—	#16	.1770	3¾	1
KP65058	—	#17	.1730	3¾	1
KP65059	—	#18	.1695	3¼	1
KP65060	—	#19	.1660	3¼	1
KP65061	—	#20	.1610	3¼	1
KP65062	—	#21	.1590	3¼	1
KP65063	—	#22	.1570	3¼	1
KP65064	—	#23	.1540	3¼	1
KP65065	—	#24	.1520	3¼	1
KP65066	—	#25	.1495	3	1
KP65067	—	#26	.1470	3	1
KP65068	—	#27	.1440	3	1
KP65069	—	#28	.1405	2¾	1
KP65070	—	#29	.1360	2¾	1
KP65071	—	#30	.1285	2¾	1
KP65072	—	#31	.1200	2¾	1
KP65073	—	#32	.1160	2¾	1
KP65074	—	#33	.1130	2¾	1
KP65075	—	#34	.1110	2¾	1
KP65076	—	#35	.1100	2¾	1
KP65077	—	#36	.1065	2½	1
KP65078	—	#37	.1040	2½	1
KP65079	—	#38	.1015	2½	1
KP65080	—	#39	.0995	2¾	1
KP65081	—	#40	.0980	2¾	1
KP65082	—	#41	.0960	2¾	1
KP65083	—	#42	.0935	2¼	1
KP65084	—	#43	.0890	2¼	1
KP65085	—	#44	.0860	2¼	1
KP65086	—	#45	.0820	2¼	1
KP65087	—	#46	.0810	2¼	1
KP65088	—	#47	.0785	2	1
KP65089	—	#48	.0760	2	1
KP65090	—	#49	.0730	2	1
KP65091	—	#50	.0700	2	1
KP65092	—	#51	.0670	2	1
KP65093	—	#52	.0635	1¾	1
KP65094	—	#53	.0595	1¾	1
KP65095	—	#54	.0550	1¾	1
KP65096	—	#55	.0520	1¾	1
KP65097	—	#56	.0465	1¾	1
KP65098	—	#57	.0430	1¾	1
KP65099	—	#58	.0420	1⅝	1
KP65100	—	#59	.0410	1⅝	1
KP65101	—	#60	.0400	1⅝	1
—	KP64822	#61	.0390	1⅝	1
—	KP64823	#62	.0380	1½	1
—	KP64824	#63	.0370	1½	1
—	KP64825	#64	.0360	1½	1
—	KP64826	#65	.0350	1½	1
—	KP64827	#66	.0330	1⅜	1
—	KP64828	#67	.0320	1⅜	1
—	KP64829	#68	.0310	1⅜	1
—	KP64830	#69	.0292	1⅜	1
—	KP64831	#70	.0280	1¼	1
—	KP64832	#71	.0260	1¼	1
—	KP64833	#72	.0250	1¼	1
—	KP64834	#73	.0240	1¼	1
—	KP64835	#74	.0225	1	1
—	KP64836	#75	.0210	1	1
—	KP64837	#76	.0200	1/8	1
—	KP64838	#77	.0180	1/8	1
—	KP64839	#78	.0160	1/8	1
—	KP64840	#79	.0145	3/4	1
—	KP64841	#80	.0135	3/4	1



Drill Set for Wire Gauge Sizes

- Surface Treated

Part No.	Description	No. of Pcs.	Unit
27560	Sizes #1 through #60 in sturdy metal index	60	1

Letter Sizes

- Jobber Length
- 118° point

Surface-Treated Part No.	Bright Finish Part No.	Letter Size	Dec. Equiv.	OAL (In.)	Unit
22400-A	¤22400-AB	A	0.2340	3⅞	12
22400-B	¤22400-BB	B	0.2380	4	12
22400-C	¤22400-CB	C	0.2420	4	12
22400-D	¤22400-DB	D	0.2460	4	12
22400-E	¤22400-EB	E	0.2500	4	12
22400-F	¤22400-FB	F	0.2570	4⅛	12
22400-G	¤22400-GB	G	0.2610	4⅛	12
22400-H	¤22400-HB	H	0.2660	4⅛	12
22400-I	¤22400-IB	I	0.2720	4⅛	12
22400-J	¤22400-JB	J	0.2770	4⅛	12
22400-K	¤22400-KB	K	0.2810	4¼	12
22400-L	¤22400-LB	L	0.2900	4¼	12
22400-M	¤22400-MB	M	0.2950	4⅜	6
22400-N	¤22400-NB	N	0.3020	4⅜	6
22400-O	¤22400-OB	O	0.3160	4½	6
22400-P	¤22400-PB	P	0.3230	4⅝	6
22400-Q	¤22400-QB	Q	0.3320	4¾	6
22400-R	¤22400-RB	R	0.3390	4¾	6
22400-S	¤22400-SB	S	0.3480	4⅞	6
22400-T	¤22400-TB	T	0.3580	4⅞	6
22400-U	¤22400-UB	U	0.3680	5	6
22400-V	¤22400-VB	V	0.3770	5	6
22400-W	¤22400-WB	W	0.3860	5⅛	6
22400-X	¤22400-XB	X	0.3970	5⅛	6
22400-Y	¤22400-YB	Y	0.4040	5¼	6
22400-Z	¤22400-ZB	Z	0.4130	5¼	6
KP65102	—	A	.2340	3⅞	1

Surface-Treated Part No.	Bright Finish Part No.	Letter Size	Dec. Equiv.	OAL (In.)	Unit
KP65103	—	B	.2380	4	1
KP65104	—	C	.2420	4	1
KP65105	—	D	.2460	4	1
KP65106	—	E	.2500	4	1
KP65107	—	F	.2570	4⅛	1
KP65108	—	G	.2610	4⅛	1
KP65109	—	H	.2660	4⅛	1
KP65110	—	I	.2720	4⅛	1
KP65111	—	J	.2770	4⅛	1
KP65112	—	K	.2810	4¼	1
KP65113	—	L	.2900	4¼	1
KP65114	—	M	.2950	4⅜	1
KP65115	—	N	.3020	4⅜	1
KP65116	—	O	.3160	4½	1
KP65117	—	P	.3230	4⅝	1
KP65118	—	Q	.3320	4¾	1
KP65119	—	R	.3390	4¾	1
KP65120	—	S	.3480	4⅞	1
KP65121	—	T	.3580	4⅞	1
KP65122	—	U	.3680	5	1
KP65123	—	V	.3770	5	1
KP65124	—	W	.3860	5⅛	1
KP65125	—	X	.3970	5⅛	1
KP65126	—	Y	.4040	5¼	1
KP65127	—	Z	.4130	5¼	1



Drill Set for Letter Sizes

- Surface Treated

Part No.	Description	No. of Pcs.	Unit
22400	Sizes A through Z in sturdy metal index	26	1





Tip Drill Set

- For cleaning and sizing small openings in cutting torch tips, carburetor jets, furnace orifices and more
- This compact drill holds twelve even sized drills, numbers 52 through 74
- All aluminum handle and knurled for a sure grip

Part No.	Description	Unit
KP79084	Tip Drill Set	1
KP79085	12 Replacement Drills	1

Metric Sizes

Surface Treated Finish Part No.	Bright Finish Part No.	Size	Dec. Equiv.	OAL (mm)	Unit
27400	—	0.5	0.0197	22	12
27402	—	1	0.0394	34	12
27403	—	1.5	0.0591	40	12
27404	—	2	0.0787	49	12
27405	—	2.5	0.0984	57	12
27406	—	3	0.1181	61	12
27409	—	3.4	0.1339	70	12
27410	—	3.5	0.1378	70	12

Continued on next page

Continued from previous page

Surface Treated Finish Part No.	Bright Finish Part No.	Size	Dec. Equiv.	OAL (mm)	Unit
27411	—	4	0.1575	75	12
27412	—	4.2	0.1654	75	12
27413	—	4.5	0.1772	80	12
27414	—	5	0.1968	86	12
27418	—	5.5	0.2165	93	12
27419	—	6	0.2362	93	12
27421	—	6.5	0.2559	101	12
27422	—	7	0.2756	109	12
27423	—	7.5	0.2953	109	12
27424	—	8	0.3150	117	6
27425	—	8.5	0.3346	117	6
27426	—	9	0.3543	125	6
27427	—	9.5	0.3740	125	6
27429	—	10	0.3937	133	6
27430	—	10.5	0.4134	133	6
27431	—	11	0.4331	142	6
27432	—	11.5	0.4528	142	6
27433	—	12	0.4724	151	6
27434	—	12.5	0.4921	151	6
27435	—	13	0.5118	151	6
¤27436	—	13.5	0.5315	160	6
¤27437	—	14	0.5512	160	6
¤27438	—	14.5	0.5709	169	6
¤27439	—	15	0.5906	169	6
¤27440	—	15.5	0.6102	178	6
¤27441	—	16	0.6299	178	6
¤27442	—	16.5	0.6496	184	6
¤27443	—	17	0.6693	184	6
¤27444	—	17.5	0.6890	191	6
—	KP70163	1.00MM	.0394	34	1
—	KP70164	1.50MM	.0591	40	1
—	KP70165	2.00MM	.0787	49	1
—	KP70166	2.50MM	.0984	57	1
—	KP70167	3.00MM	.1181	61	1
—	KP70168	3.50MM	.1378	70	1
—	KP70169	4.00MM	.1575	75	1
—	KP70170	4.50MM	.1772	80	1
—	KP70171	5.00MM	.1968	86	1
—	KP70172	5.50MM	.2165	93	1
—	KP70173	6.00MM	.2362	93	1
—	KP70174	6.50MM	.2559	101	1
—	KP70175	7.00MM	.2756	109	1
—	KP70176	7.50MM	.2953	109	1
—	KP70177	8.00MM	.3150	117	1
—	KP70178	8.50MM	.3346	117	1
—	KP70179	9.00MM	.3543	125	1
—	KP70180	9.50MM	.3740	133	1
—	KP70181	10.00MM	.3937	133	1
—	KP70182	10.50MM	.4134	137	1
—	KP70183	11.00MM	.4331	142	1
—	KP70184	11.50MM	.4528	142	1
—	KP70185	12.00MM	.4724	151	1
—	KP70186	12.50MM	.4921	151	1
—	KP70187	13.00MM	.5118	151	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.



Drill Set for Metric Sizes

Part No.	Description	No. of Pcs.	Unit
C96153	1 mm to 13 mm .5 increments	25	1

Combined Drill and Tap

Combined Drill & Tap



- High production tool designed to drill and tap in one pass
- Reduces machining operations and subsequent parts handling
- Drill end features a self-centering helical point
- All taps are manufactured to a GH-3 pitch diameter limit
- Fits standard tap holders
- Recommended for through holes up to twice the nominal diameter
- Excellent choice in CNC tapping where the ability to effectively change speeds from drilling to tapping can significantly improve productivity
- Unit for each is 1

Part No.	Size Pitch	OAL (In.)	Thd. Length. (In.)	Drill Lgth. (In.)	Drill Dia. (In.)
KP60117	4-40 NC	1⅛	3/16	¼	.091
20502	6-32 NC	2	7/16	¼	.112
20503	8-32 NC	2⅛	13/32	9/32	.138
20504	10-24 NC	2⅜	5/16	5/16	.155
20504-1	10-32 NC	2⅜	5/16	5/16	.165
KP60127	12-24 NC	2⅜	21/32	15/32	.180
20505	¼-20 NC	2½	5/8	3/8	.208
20506	5/16-18 NC	2 29/32	21/32	15/32	.266
20507	3/8-16 NC	2 13/16	23/32	17/32	.322
20509	½-13 NC	4⅛	1⅜	1⅛	.435

Reduced Shank Drills

Silver & Deming Drills ½" Reduced Shank



- High-speed steel
- 118° conventional drill point
- 6" O.A.L.; 3" flute length
- Black oxide treated; reduces galling and chip welding; increases the tools ability to retain lubricants
- Abrasion resistant
- Recommended for use in drill presses and portable electric drills
- Made in U.S.A.
- Standard 32nd and 64th sizes available through SSG

Part No.	Size (In.)	Dec. Equiv.	Unit
28650	5/64	.5156	1
28651	17/32	.5312	1
28652	35/64	.5469	1
28653	9/16	.5625	1
28654	37/64	.5781	1
28655	19/32	.5937	1
28656	39/64	.6094	1
28657	5/8	.6250	1
28658	41/64	.6406	1
28659	21/32	.6562	1
28660	43/64	.6719	1
28661	11/16	.6875	1
28662	45/64	.7031	1
28663	23/32	.7188	1
28664	47/64	.7344	1
28665	3/4	.7500	1
28666	49/64	.7656	1
28667	25/32	.7812	1
28668	51/64	.7969	1
28669	13/16	.8125	1
28670	53/64	.8281	1
28671	27/32	.8438	1
28672	55/64	.8594	1
28673	7/8	.8750	1
28674	57/64	.8906	1
28675	29/32	.9062	1
28676	59/64	.9219	1
28677	15/16	.9375	1
28678	61/64	.9531	1
28679	31/32	.9688	1
28680	63/64	.9844	1
28681	1	1.0000	1
28681-1116	1 1/16	1.0625	1
28681-1118	1⅛	1.1250	1
28681-1316	1 3/16	1.1850	1
28681-1114	1¼	1.250	1
28681-1516	1 5/16	1.312	1
28681-1318	1⅜	1.375	1
28681-1112	1½	1.500	1

Continued on next page

Continued from previous page



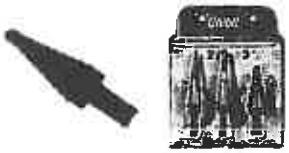
Silver & Deming Set

Part No.	Size Range (In.)	No. of Pcs.	Unit
28685	9/16 — 1 1/16 Increments	8	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Unibit Step Drills

Unibit® Step Drills & Set



- Constructed of industrial-grade, high-speed molybdenum steel, heat treated to a hardness of 61-63 RC ensuring maximum strength and long life
- Exclusive single radial concave flute design allows for drilling of perfectly round holes in thin material quickly and with less effort
- TIN SURFACE TREATMENT provides greater lubricity, reducing friction and the related heat stresses when drilling stainless steel and alloy steels - increases tool life
- Point design permits easy drilling into all materials without center drilling or center punching
- Can be used for drilling: steel, copper, brass, aluminum, wood, composition board, plexiglass, and plastics
- Set contains one piece each Unibit® No. 1, 2, and 3
- Unit is 1 for all part numbers

Individual Drills

TIN Part No.	Part No.	Unibit No.	No. of Holes	Size Range	Increments
22190	22188	1	13	1/8-1/2	1/32
22191	22188-1	2	6	3/16-1/2	1/16
22192	22189	3	9	1/4-3/4	1/16
22193	22189-1	4	12	3/16-7/8	1/16
—	22189-2	5	10	1/4-1 3/8	1/8
—	22189-3	10	1	1/2	—
—	22189-4	11	1	7/8	—
—	22189-5	12	1	3/4	—
—	22189-6	13	1	1 1/4	—
—	22189-7	20	8	3/16-1	1/16

Set

Part No.	Contents	Unit
22187	1 each Unibit® #1, #2, #3	1

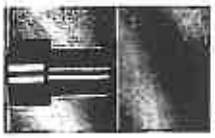
CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

HSS Step Drills

Standard Step Drills

- Jobbers length
- High speed steel
- One tool does two jobs in a single pass
- Tools can be sharpened repeatedly and easily modified for any special length-of-step

For Drilling & Counterboring Cap Screw Clearance Holes



Part No.	Screw Size	Minor Dia.	Major Dia.	Step Lgth.
28782	No. 10	.204	"Q"	5/8
28783	1/4	9/32	13/32	11/16
28784	5/16	11/32	1/2	3/4

Part No.	Flute Lgth. (In.)	OAL (In.)	Unit
28782	3 7/16	4 3/4	1
28783	3 3/4	5 1/4	1
28784	4 1/2	6	1

For Drilling & Countersinking 82° Flat Head Machine Screws



Part No.	Screw Size	Minor Dia.	Major Dia.	Step Lgth.
28792	No. 10	.196	"W"	5/8
28794	5/16	.320	5/8	3/4
28795	3/8	.383	3/4	7/8
28796	1/2	.510	7/8	1

Part No.	Flute Lgth.	OAL (In.)	Unit
28792	3 3/4	5 1/4	1
28794	5 5/16	7 1/16	1
28795	5 5/8	7 5/8	1
28796	3 1/2	5 1/2*	1

* Shorter than jobbers length

Extra Length Drills

Long Boy Extra Length Bits



- High speed steel construction for maximum strength and durability
- Straight shank; 118° point
- Bright finish
- Recommended for a wide range of deep hole drilling applications

Part No.	Dia. (In.)	OAL	Flute Length	Unit
C105408	1/8	12	9	1
HP86128	1/8	8	6	1
C105412	5/16	12	9	1
HP86135	1/4	8	6	1
C105416	1/4	12	9	1
HP86131	11/64	8	6	1
HP86132	5/16	8	6	1
HP86134	7/32	8	6	1
C105420	5/16	12	9	1
HP86133	5/16	8	6	1
C105424	3/8	12	9	1
C105428	7/16	12	9	1
C105432	1/2	12	9	1
C105436	9/16	12	9	1

Taper Shank Drills

Taper Shank Drills — Standard Shank



- Fractional sizes
- High speed steel designed for high performance drilling in a wide range of materials
- 118° chisel point — general purpose use
- Black oxide finish for added abrasion resistance and improved chip removal
- Manufactured to USCTI specifications and tolerances
- Standard 32nd and 64th sizes are available through SSG

Part No.	Size (In.)	Morse Taper No.	Approx. Flute Lgth. (In.)	Approx. OAL (In.)	Unit
27000	1/8	1	1 7/8	5 1/8	1
27004	3/16	1	2 1/2	5 3/4	1
27008	1/4	1	2 7/8	6 1/8	1
27012	5/16	1	3 1/8	6 3/8	1
27016	3/8	1	3 1/2	6 3/4	1
27020	7/16	1	3 7/8	7 1/4	1
27024	1/2	2	4 3/4	8 1/4	1
27026	17/32	2	4 5/8	8 1/2	1
27028	9/16	2	4 7/8	8 3/4	1
27030	19/32	2	4 7/8	8 3/4	1
27032	5/8	2	4 7/8	8 3/4	1
27034	21/32	2	5 1/4	9	1
27036	11/16	2	5 1/4	9 1/4	1
27038	23/32	2	5 1/8	9 1/2	1
27040	3/4	2	5 7/8	9 3/4	1
27042	25/32	2	6	9 7/8	1
27044	13/16	3	6 1/8	10 3/4	1
27046	27/32	3	6 1/8	10 3/4	1
27048	7/8	3	6 1/4	10 3/4	1
27050	29/32	3	6 1/4	10 3/4	1
27052	15/16	3	6 1/4	10 3/4	1
27054	31/32	3	6 3/8	11	1
27056	1	3	6 3/8	11	1
27060	1 1/16	3	6 3/8	11 1/4	1
27064	1 1/8	4	7 1/8	12 3/4	1
27068	1 3/16	4	7 3/4	13	1
27072	1 1/4	4	7 3/4	13 1/2	1
27076	1 5/16	4	8 3/4	14 1/4	1
27080	1 3/8	4	8 3/4	14 1/2	1
27084	1 7/16	4	9 1/4	14 3/4	1
27088	1 1/2	4	9 3/4	15	1
27092	1 9/16	5	9 3/4	16 3/4	1
27096	1 3/4	5	10	17	1

Continued on next page

Continued from previous page

Part No.	Size (In.)	Morse Taper No.	Approx. Flute Lgth. (In.)	Approx. OAL (In.)	Unit
27100	1 11/16	5	10 1/16	17 1/16	1
27104	1 3/4	5	10 1/4	17 1/4	1
27108	1 13/16	5	10 3/16	17 3/16	1
27112	2	5	10 3/16	17 3/16	1
27116	2 1/16	5	10 1/4	17 3/16	1
27120	2 1/4	5	10 1/16	17 3/16	1
27123	2 3/16	5	10 1/16	17 3/16	1
27126	2 1/2	5	11 1/16	18 3/4	1
27129	2 5/16	5	11 7/16	19 1/2	1
27131	2 3/4	5	12 3/4	20 3/16	1
27135	2 1/16	5	13 3/16	21 1/16	1
27137	3	5	14	21 3/4	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Taper Shank Drills — Shanks Smaller Than Standard



- Fractional sizes
- 118° general-purpose point
- Black oxide finish for added abrasion resistance and improved chip removal
- High-speed steel designed for high performance drilling in a wide range of different materials
- Manufactured to USCTI specifications and tolerance

Part No.	Size (In.)	Morse Taper No.	Approx. Flute Lgth. (In.)	Approx. OAL (In.)	Unit
27161	1/2	1	4 3/16	7 3/4	1
27165	9/16	1	4 7/16	8 1/4	1
27168	1 3/16	2	6 1/4	10	1
27172	1/8	2	6 1/16	10	1
27175	1	2	6 1/4	10 1/16	1
27179	1 1/16	3	7 1/16	11 3/4	1
27183	1 3/16	3	7 3/16	12	1
27187	1 1/4	3	7 1/16	12 1/2	1
27191	1 5/16	4	9 5/16	15 1/4	1
27195	1 3/16	4	10	15 5/16	1
27199	1 11/16	4	10 1/16	15 1/4	1

Part No.	Size (In.)	Morse Taper No.	Approx. Flute Lgth. (In.)	Approx. OAL (In.)	Unit
27203	1 3/4	4	10 3/16	16 1/4	1
27205	1 13/16	4	10 3/16	16 1/4	1
27207	1 7/8	4	10 1/2	16 1/2	1
27210	1 15/16	4	10 3/16	16 3/16	1
27212	2	4	10 3/16	16 3/16	1
27214	2 1/16	4	10 1/4	16 1/4	1
27216	2 1/16	4	10 1/4	16 1/4	1
27220	2 1/4	4	10 1/16	16 1/16	1
27222	2 3/16	4	10 1/16	16 1/16	1
27224	2 1/2	4	11 1/4	17 1/4	1
27225	2 5/16	4	11 1/4	18	1
27226	2 3/4	4	12 3/4	19 1/16	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Taper Shank Drills — Stub Length



- Fractional sizes
- 118° chisel point-general purpose
- Black-oxide finish for added abrasion resistance and improved chip removal
- High-speed steel designed for high-performance drilling in a wide range of different materials
- Recommended for use in boring mills, screw machines and lathes, or where short projection is required
- Manufactured to USCTI specifications and tolerances

Part No.	Size (In.)	Morse Taper No.	Approx. OAL (In.)	Approx. Flute Lgth. (In.)	Unit
27250	2	5	12	5	1
27252	2 1/16	5	12	5	1
27254	2 1/4	5	12	5	1
27256	2 3/16	5	12	5	1
27258	2 1/2	5	12	5	1
27259	2 5/16	5	12	5	1
27260	2 3/4	5	12	5	1
27261	2 1/16	5	12	5	1
27262	3	5	12	5	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Morse Taper Sleeves



- Available in hardened tang, or hardened and ground throughout
- Allows easy transition from small morse taper shank tool to larger size morse taper spindles
- For use with Bowman taper shank drills
- Unit is 1 for all part numbers

Hard Tang Only Part No.	Hard & Ground Part No.	Morse Taper No. Size	Internal	External	OAL (In.)
28700	28712	1 to 2	1	2	3 9/16
28701	28713	1 to 3	1	3	3 15/16
28702	28714	1 to 4	1	4	4 3/16
28703	28715	1 to 5	1	5	6 1/16
28704	28716	2 to 3	2	3	4 3/16
28705	28717	2 to 4	2	4	4 1/16
28705	28718	2 to 5	2	5	6 1/16
28707	28719	3 to 4	3	4	5 1/16

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Morse Taper Extension Sockets with Hardened Tang



- Perform similarly to taper sleeves — longer length allows you to get at places unreachable with normal length drills
- Adapt small taper shanks to larger spindles and larger taper shanks to smaller spindles

Part No.	Size	OAL (In.)	Unit
28724	1 to 2	6 7/16	1
28725	1 to 3	6 7/16	1
28726	1 to 4	7 7/16	1
28727	1 to 5	9 1/16	1
28728	2 to 1	6 1/4	1
28730	2 to 3	7 1/2	1
28731	2 to 4	8 1/2	1
28732	2 to 5	9 3/4	1
28733	3 to 2	7 3/4	1
28735	3 to 4	9 3/4	1
28736	3 to 5	10 5/8	1
28737	4 to 2	8 1/2	1
28738	4 to 3	9 3/4	1
28740	4 to 5	11 5/8	1
28742	5 to 4	11 11/16	1

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

UNC (USS)



3 Piece Tap Set

Part No.	Dia. (In.)	Threads Per Inch	Thread Lgth. (In.)	No. Flutes	Tap Drill Size
20670	No. 6	32	1 1/16	3	No. 36
20672	No. 8	32	3/4	4	No. 29
20674	No. 10	24	1/8	4	No. 25
20676	No. 12	24	1 5/16	4	No. 16
20678	1/4	20	1	4	No. 7
20680	5/16	18	1 1/8	4	No. F
20682	3/8	16	1 1/4	4	5/16
20684	7/16	14	1 3/16	4	No. U
20686	1/2	13	1 31/32	4	27/64
20688	9/16	12	1 31/32	4	31/64
20690	5/8	11	1 13/16	4	17/32
20692	3/4	10	2	4	21/32
20694	7/8	9	2 1/32	4	49/64
20696	1	8	2 1/2	4	7/8



Individual Taps

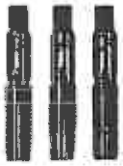
Taper Part No.	Plug Part No.	Bottom Part No.	Dia. (In.)	Threads Per Inch	Thread Lgth. (In.)
*	20698	*	No. 1	64	3/8
*	20699	*	No. 2	56	7/16
*	20699-1	*	No. 3	48	1/2
*	20700	*	No. 4	40	9/16
*	20701	*	No. 5	40	5/8
20718	20702*	20733*	No. 6	32	1 1/16
20719	20703	20734	No. 8	32	3/4
20720	20704	20735	No. 10	24	7/8
20721	20705	20736	No. 12	24	1 5/16
20722	20706	20737	1/4	20	1
20723	20707	20738	5/16	18	1 1/8
20724	20708	20739	3/8	16	1 1/4
20725	20709	20740	7/16	14	1 3/16
20726	20710	20741	1/2	13	1 31/32
20727	20711	20742	9/16	12	1 31/32
20728	20712	20743	5/8	11	1 13/16
20729	20713	20744	3/4	10	2
20730	20714	20745	7/8	9	2 1/32
20731	20715	20746	1	8	2 1/2

*Item not available

NOTE: Unit is one for each tap set. Unit is one for each individual tap.

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

UNF (SAE)



3 Piece Tap Set

Part No.	Dia. (In.)	Threads Per Inch	Thread Lgth. (In.)	No. Flute	Tap Drill Size
20671	No. 6	40	1 1/16	3	No. 33
20673	No. 8	36	3/4	4	No. 29
20675	No. 10	32	7/8	4	No. 21
20677	No. 12	28	1 5/16	4	No. 14
20679	1/4	28	1	4	No. 3
20681	5/16	24	1 1/8	4	No. I
20683	3/8	24	1 1/4	4	No. Q
20685	7/16	20	1 7/16	4	29/64
20687	1/2	20	1 31/32	4	33/64
20689	9/16	18	1 31/32	4	1/2
20691	5/8	18	1 13/16	4	9/16
20693	3/4	16	2	4	21/32
20595	7/8	14	2 1/32	4	49/64
20697	1	12	2 1/2	4	57/64
20697-1	1	14	2 1/2	4	15/16

Individual Taps



Taper Part No.	Plug Part No.	Bottom Part No.	Dia. (In.)	Threads Per Inch	Thread Lgth. (In.)
*	20747	*	No. 0	80	5/16
*	20748	*	No. 1	72	3/8
*	20749	*	No. 2	64	7/16
*	20750	*	No. 3	56	1/2
*	20751	*	No. 4	48	9/16
*	20751-1	*	No. 5	44	5/8
20748	20752	20783	No. 6	40	11/16
20749	20753	20784	No. 8	36	3/4
20770	20754	20785	No. 10	32	7/8
20771	20755	20786	No. 12	28	1 5/16
20772	20756	20787	1/4	28	1
20773	20757	20788	5/16	24	1 1/8
20774	20758	20789	3/8	24	1 1/4
20775	20759	20790	7/16	20	1 7/16
20776	20760	20791	1/2	20	1 31/32
20777	20761	20792	9/16	18	1 31/32
20778	20762	20793	5/8	18	1 13/16
20779	20763	20794	3/4	16	2
20780	20764	20795	7/8	14	2 1/32
20781	20765	20796	1	12	2 1/2
20781-1	20765-1	20796-1	1	14	2 1/2

*Item not available

NOTE: Unit is one for each tap set. Unit is one for each individual tap.

NOTE: Bowman carries 1"-14 pitch thread fasteners only. Be sure a 1"-14 tap is used when tapping a hole for these fasteners.

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® Pipe Taps



- NPT and NPS thread forms
- Unit is 1 for all part numbers

NPT

Part No.	Dia. (In.)	Threads Per Inch	Thread Lgth. (In.)	No. Flutes	Tap Drill Size
20649	1/16	27	1/4	4	D
20650	1/8	27	3/8	4	No. R
20651	1/4	18	1 1/16	4	7/16
20652	3/8	18	1 1/16	4	37/64
20653	1/2	14	1 3/16	4	23/32
20654	3/4	14	1 3/16	5	59/64
20655	1	11 1/2	1 3/4	5	1 5/32

NPS

Part No.	Dia. (In.)	Threads Per Inch	Thread Lgth. (In.)	No. Flutes	Tap Drill Size
20600	1/8	27	3/4	4	11/32
20601	1/4	18	1 1/16	4	29/64
20602	3/8	18	1 1/16	4	37/64
20603	1/2	14	1 3/16	4	23/32
20604	3/4	14	1 3/16	5	59/64
20605	1	11 1/2	1 3/4	5	1 5/32

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

Quad-Cut® "Spiral-Point" Gun Taps



- Plug style
- UNC and UNF thread form
- Special spiral point cleanly shears chips; curls them forward ahead of the tap as it threads; ideal for quick tapping in through hole applications
- Unit is 1 for all part numbers

Continued on next page

Cutting Tools - Taps

Continued from previous page

UNC (USS)

Part No.	Dia. (In.)	Threads Per Inch	Thread Lgth. (In.)	No. Flutes	Tap Drill Size
20338	#1	64	3/8	2	No. 53
20340	#2	56	7/16	2	No. 51
20342	#3	48	1/2	2	5/64
20610	#4	40	9/16	2	No. 43
20612	#6	32	11/16	2	No. 36
20614	#8	32	3/4	2	No. 29
20616	#10	24	7/8	2	No. 25
20618	#12	24	15/16	2	No. 17
20660	1/4	20	1	2	No. 7
20661	5/16	18	1 1/2	2	No. F
20662	3/8	16	1 1/4	3	5/16
20663	7/16	14	1 7/16	3	No. U
20664	1/2	13	1 21/32	3	27/64
20344	9/16	12	1 21/32	3	31/64
20346	5/8	11	1 13/16	3	17/32
20348	3/4	10	2	3	21/32
20350	7/8	9	2 1/2	4	49/64

UNF (SAE)

Part No.	Dia. (In.)	Threads Per Inch	Thread Lgth. (In.)	No. Flutes	Tap Drill Size
20337	#0	80	5/16	2	3/64
20339	#1	72	3/8	2	No. 53
20341	#2	64	7/16	2	No. 50
20343	#3	56	1/2	2	No. 46
20611	#4	48	9/16	2	No. 42
20613	#6	40	11/16	2	No. 33
20615	#8	36	3/4	2	No. 29
20617	#10	32	7/8	2	No. 21
20619	#12	28	15/16	2	No. 15
20665	1/4	28	1	2	No. 3
20666	5/16	24	1 1/8	2	No. I
20667	3/8	24	1 1/4	3	No. Q
20668	7/16	20	1 7/16	3	25/64
20669	1/2	20	1 21/32	3	29/64
20345	9/16	18	1 21/32	3	33/64
20347	5/8	18	1 13/16	3	37/64
20349	3/4	16	2	3	11/16
20349-1	7/8	14	2 7/32	4	13/16

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

HSS Taps

Metric Hand Taps



- High-speed steel
- Ground thread
- Dimensions conform to standards set by the Metal Cutting Tool Institute
- Sizes follow the ISO metric thread recommendations
- Tap pitch diameter limits are those set for class 6H tolerances
- Unit is 1 for all part numbers

3 Piece Tap Set

Part No.	Nom. Size & Pitch (mm)	No. Flutes	Tap Drill mm	Tap Drill In.
20421	M3 x 0.5	3	2.5	No. 39
20422	M4 x 0.7	4	3.4	No. 29
20423	M5 x 0.8	4	4.2	No. 18
20424	M6 x 1.0	4	5.0	No. 8
20425	M7 x 1.0	4	6.0	B
20426	M8 x 1.0	4	7.0	J
20427	M8 x 1.25	4	6.8	I
20428	M10 x 1.25	4	8.75	S
20429	M10 x 1.5	4	8.5	R
20430	M12 x 1.25	4	11.0	27/64
20431	M12 x 1.75	4	10.3	13/32
20432	M14 x 1.50	4	12.5	1/2
20433	M14 x 2.0	4	12.0	31/64
20434	M16 x 1.5	4	14.5	37/64
20435	M16 x 2.0	4	14	9/16
20436	M18 x 1.5	4	16.5	21/32
20437	M18 x 2.5	4	15.5	5/8
20438	M20 x 1.5	4	18.5	47/64
20439	M20 x 2.5	4	17.5	45/64

Individual Taper Taps

Part No.	Nom. Size & Pitch (mm)	No. Flutes	Tap Drill mm	Tap Drill In.
20421-T	M3 x 0.5	3	2.5	No. 39
20422-T	M4 x 0.7	4	3.4	No. 29
20423-T	M5 x 0.8	4	4.2	No. 18
20424-T	M6 x 1.0	4	5.0	No. 8
20425-T	M7 x 1.0	4	6.0	B
20426-T	M8 x 1.0	4	7.0	J
20427-T	M8 x 1.25	4	6.8	I
20428-T	M10 x 1.25	4	8.75	S
20429-T	M10 x 1.5	4	8.5	R
20430-T	M12 x 1.25	4	11.0	27/64
20431-T	M12 x 1.75	4	10.3	13/32
20432-T	M14 x 1.50	4	12.5	1/2
20433-T	M14 x 2.0	4	12.0	31/64
20434-T	M16 x 1.5	4	14.5	37/64
20435-T	M16 x 2.0	4	14	9/16
20436-T	M18 x 1.5	4	16.5	21/32
20437-T	M18 x 2.5	4	15.5	5/8
20438-T	M20 x 1.5	4	18.5	47/64
20439-T	M20 x 2.5	4	17.5	45/64
KP8761	M24 X 3.0	4	21.0	53/64

Individual Plug Taps

Part No.	Nom. Size & Pitch (mm)	No. Flutes	Tap Drill mm	Tap Drill In.
20421-P	M3 x 0.5	3	2.5	No. 39
20422-P	M4 x 0.7	4	3.4	No. 29
20423-P	M5 x 0.8	4	4.2	No. 18
20424-P	M6 x 1.0	4	5.0	No. 8
KP74121	M6.3 X 1.0	4	5.3	4
20425-P	M7 x 1.0	4	6.0	B
20426-P	M8 x 1.0	4	7.0	J
20427-P	M8 x 1.25	4	6.8	I
20428-P	M10 x 1.25	4	8.75	S
20429-P	M10 x 1.5	4	8.5	R
KP74413	M11 X 1.0	4	10.0	X
20430-P	M12 x 1.25	4	11.0	27/64
20431-P	M12 x 1.75	4	10.3	13/32
20432-P	M14 x 1.50	4	12.5	1/2
20433-P	M14 x 2.0	4	12.0	31/64
20434-P	M16 x 1.5	4	14.5	37/64
20435-P	M16 x 2.0	4	14	9/16
20436-P	M18 x 1.5	4	16.5	21/32
20437-P	M18 x 2.5	4	15.5	5/8
20438-P	M20 x 1.5	4	18.5	47/64
20439-P	M20 x 2.5	4	17.5	45/64
KP74130	M24 X 3.0	4	21.0	53/64

Individual Bottoming Taps

Part No.	Nom. Size & Pitch (mm)	No. Flutes	Tap Drill mm	Tap Drill In.
20421-B	M3 x 0.5	3	2.5	No. 39
20422-B	M4 x 0.7	4	3.4	No. 29
20423-B	M5 x 0.8	4	4.2	No. 18
20424-B	M6 x 1.0	4	5.0	No. 8
20425-B	M7 x 1.0	4	6.0	B
20426-B	M8 x 1.0	4	7.0	J
20427-B	M8 x 1.25	4	6.8	I
20428-B	M10 x 1.25	4	8.75	S
20429-B	M10 x 1.5	4	8.5	R
20430-B	M12 x 1.25	4	11.0	27/64
20431-B	M12 x 1.75	4	10.3	13/32
20432-B	M14 x 1.50	4	12.5	1/2
20433-B	M14 x 2.0	4	12.0	
20434-B	M16 x 1.5	4	14.5	37/64
20435-B	M16 x 2.0	4	14	9/16
20436-B	M18 x 1.5	4	16.5	21/32
20437-B	M18 x 2.5	4	15.5	5/8
20438-B	M20 x 1.5	4	18.5	47/64
20439-B	M20 x 2.5	4	17.5	45/64
KP8762	M20 x 2.5	4	21.0	53/64

Metric Spiral Point (Gun) Taps, Plug Style



- High-speed steel
- Ground thread
- Bright finish
- Dimensions conform to USCTI specification
- Unit is 1 for all part numbers

Metric Spiral Point

Part No.	Nom. Size & Pitch (mm)	No. Flutes	Tap Drill Size mm	Tap Drill Size In.
27360	M3 x .5	2	2.5	No. 39
27361	M4 x .7	2	3.4	No. 29
27362	M5 x .8	2	4.2	No. 18
27363	M6 x 1.0	2	5.0	No. 8
27364	M7 x 1.0	2	6.0	B
27365	M8 x 1.25	2	10.3	I
27366	M10 x 1.5	3	8.5	R
27367	M12 x 1.75	3	10.3	10.3
27368	M14 x 2.0	3	12.0	31/64
27369	M16 x 2.0	3	14.0	9/16
27370	M18 x 2.5	3	15.5	5/8
27371	M20 x 2.5	3	17.5	45/64

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always wear safety glasses when using cutting tools.

STI Hand Taps



- High-speed steel
- Ground thread
- Plug-style chamfer
- Dimensions conform to standards set by the Metal Cutting Tool Institute
- For use with Heli-Coil-type threaded inserts
- Unit is 1 for all part numbers

Fine Thread

STI Taps Part No.	Size (In.)	Thread Lgth. (In.)	No. Flutes	Tap Drill Size (In.)
22589	10 - 32	1	3	13/64
22591	1/4 - 28	1 1/8	3	17/64
22593	5/16 - 24	1 1/4	4	21/64
22595	3/8 - 24	1 21/32	4	25/64
22597	7/16 - 20	1 21/32	4	29/64
22599	1/2 - 20	1 21/32	4	33/64
¤22599-1	9/16 - 18	1 13/16	4	37/64
¤22599-2	5/8 - 18	1 13/16	4	41/64
¤22599-3	3/4 - 16	2	4	49/64
¤22599-5	1/8 - 14	2 1/2	4	57/64
¤22599-7	1 - 14	2 9/16	4	1 1/64
¤22599-9	1 - 12	2 9/16	4	1 1/64
¤22599-11	1 1/4 - 12	2 9/16	4	1 9/32
¤22599-13	1 1/4 - 12	3	4	1 9/32
¤22599-15	1 3/8 - 12	3	4	1 13/32
¤22599-17	1 1/2 - 12	3 1/16	4	1 17/32

Coarse Thread

STI Taps Part No.	Size (In.)	Thread Lgth. (In.)	No. Flutes	Tap Drill Size (In.)
¤22590-1	8 - 32	1 5/16	3	No. 16
22590-2	10 - 24	1	3	No. 5
¤22590-3	12 - 24	1	3	15/64
22590	1/4 - 20	1 1/8	3	H
22592	5/16 - 18	1 1/4	4	Q
22594	3/8 - 16	1 21/32	4	X
22596	7/16 - 14	1 21/32	4	29/64
22598	1/2 - 13	1 13/16	4	17/32
22598-1	9/16 - 12	1 13/16	4	19/32
22598-2	5/8 - 11	2	4	21/32
22598-3	3/4 - 10	2 1/32	4	25/32
¤22598-4	7/8 - 9	2 1/2	4	29/32
¤22598-6	1 - 8	2 9/16	4	1 1/32
¤22598-8	1 1/8 - 7	3	4	1 5/32
¤22598-10	1 1/4 - 7	3	4	1 9/32
¤22598-12	1 3/8 - 6	3 1/16	4	1 13/32
¤22598-14	1 1/2 - 6	3 1/16	4	1 17/32

Metric Thread

STI Taps Part No.	Size (In.)	Thread Lgth. (In.)	No. Flutes	Tap Drill Size (In.)
¤22585-3	M3 x 0.50	4.5	3	No. 16
¤22585-4	M4 x 0.70	6.0	3	No. 5
¤22585-5	M5 x 0.80	7.5	3	15/64
22442-6	M6 x 1.00	9.0	3	H
¤22585-7	M7 x 1.00	10.5	3	Q
22442-8	M8 x 1.25	12.0	4	X
¤22585-9	M9 x 1.25	13.5	4	29/64
22442-10	M10 x 1.50	15.0	4	17/32
¤22585-11	M11 x 1.50	16.5	4	19/32
22442-12	M12 x 1.75	18.0	4	21/32
¤22585-14	M14 x 2.00	21.0	4	25/32
¤22585-16	M16 x 2.00	24.0	4	29/32
¤22585-18	M18 x 2.50	27.0	4	1 1/32
¤22585-20	M20 x 2.50	30.0	4	1 5/32

CAUTION: Improper speeds and/or feeds may cause cutting tools to shatter. Always use safety glasses when using cutting tools.

Continued from previous page

Part No.	Effective Range Min. (mm)	Max. (mm)	Band Width (mm)	Unit
24060	8	12	7.5	10
24061	10	16	7.5	10
24062	12	20	9	10
24063	16	25	9	10
24064	20	32	9	10
24065	23	35	9	10
24066	25	40	9	10
24067	30	45	9	10
24068	32	50	9	10
24069	40	60	9	10
24070	50	70	9	10
24071	60	80	9	10
24072	70	90	9	10
24073	80	100	9	10

Protective Liner Worm Gear Clamps

Designed for Silicone Hose Applications

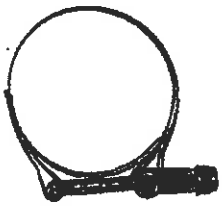


- Stainless steel band, saddle and housing
- Carbon steel slotted hex head screw
- Heavy-duty, four-piece Quadra-lock construction enables for more tightening torque to be delivered to the perforations while maximizing vibration resistance
- Liners protect soft surface hose (silicone and others) from damage caused by extrusion or shearing through the band

Part No.	Mfg. No.	Effective Range Min.	Max.	Unit
24144	6	9/16 (14mm)	13/16 (21mm)	10
24145	8	11/16 (17mm)	15/16 (24mm)	10
24146	10	13/16 (21mm)	1 1/16 (27mm)	10
24146-1	12	15/16 (24mm)	1 1/4 (32mm)	10
24147	16	1 3/16 (21mm)	1 1/2 (38mm)	10
24147-1	20	1 3/16 (21mm)	1 3/4 (44mm)	10
24148	24	1 1/16 (30mm)	2 (51mm)	10
24148-1	28	1 3/16 (33mm)	2 1/4 (57mm)	10
24149	32	1 9/16 (40mm)	2 1/2 (64mm)	10
24149-1	36	1 13/16 (46mm)	2 3/4 (70mm)	10
24150	40	2 1/16 (52mm)	3 (76mm)	10
24150-1	44	2 5/16 (59mm)	3 1/4 (83mm)	10
24151	48	2 9/16 (65mm)	3 1/2 (89mm)	10
24151-1	52	2 13/16 (71mm)	3 3/4 (95mm)	10
24157	56	3 1/16 (78mm)	4 (102mm)	10
24157-1	60	3 5/16 (84mm)	4 1/4 (108mm)	10
24158	64	3 9/16 (91mm)	4 1/2 (114mm)	10
24158-1	72	4 1/16 (102mm)	5 (125mm)	10
24159	80	4 5/16 (118mm)	5 1/2 (140mm)	10
24159-1	88	5 1/16 (128mm)	6 (150mm)	10
24160	96	5 9/16 (141mm)	6 1/2 (165mm)	10
24160-1	104	6 1/16 (156mm)	7 (175mm)	10

NOTE: Meets Peterbilt's silicone hose installation specifications

Heavy-Duty T-Bolt Clamps



- 1/4"-28 UNF-2A x 2 3/4" length steel plated T-bolt
- Band size: 3/4" wide x .025 thick
- 301 stainless steel floating bridge liner, trunnion and band

Part No.	Diameter Min. (in.)	Nom. (in.)	Max. (in.)	Unit
KP78838	1.78	2	2.09	5
KP78839	2.03	2 1/4	2.34	5
KP78840	2.28	2 1/2	2.59	5
9913	2.50	2.75	2.81	10
9914	2.75	3.00	3.06	10
9915	3.00	3.25	3.31	10
9916	3.25	3.37	3.56	10
9917	3.44	3.62	3.75	10
9918	3.75	4.00	4.06	10
KP82458	4.25	4.03	4.34	1
9919	4.25	4.50	4.56	10
KP79467	4.50	4.28	4.59	1
9920	4.75	5.00	5.06	10
KP78848	5.28	5 1/2	5.59	1
KP78849	5.78	6	6.09	1
KP78850	6.78	7	7.05	1
KP78851	7.78	8	8.09	1
KP79489	4.50	4.28	4.59	1

Torque Hose Clamps



- Control automatic clamp adjustment or applications requiring:
  - — higher torque
  - — large diameters
  - — extremes of heat and cold or system expansion or contraction

Part No.	Effective Diameter Min. (in.)	Max. (in.)	Unit
24166	1.00	1.75	10
24166-1	1.25	2.13	10
24167	1.75	2.63	10
24168	2.25	3.13	10
24169	2.75	3.63	10
24170	3.25	4.13	10
24171	3.75	4.63	10

Hi-Torque Clamps



- All purpose hose clamps are made to fit every application—automotive, marine, industry, plumbing and heavy equipment
- Guaranteed to withstand 150 in./lbs. screw torque
- Manufactured with the finest stainless steel band and housing for maximum protection against rust and corrosion

Part No.	Min. (in.)	Max. (in.)	Unit
KP61025	1 1/4	2 5/8	25
KP61026	2 1/8	4 1/8	25
KP61028	6 1/8	9	10

Heavy-Duty Large Spring T-Bolt Clamps



- 1/4"-28 UNF-2A x 3 1/2" length steel-plated T-bolt
- 7/16"-diameter plated steel spring
- Band size: 3/4" wide x .025" thick
- 301 stainless steel floating bridge liner, trunnion and band

Part No.	Diameter Min. (in.)	Nom. (in.)	Max. (in.)	Unit
9921	3.13	3.25	3.44	5
9924	4.13	4.25	4.44	5
9925	6.38	6.50	6.69	5

Two-Ear Hose Clamps



- Formed from steel tubing
- Zinc plated
- Unit 10

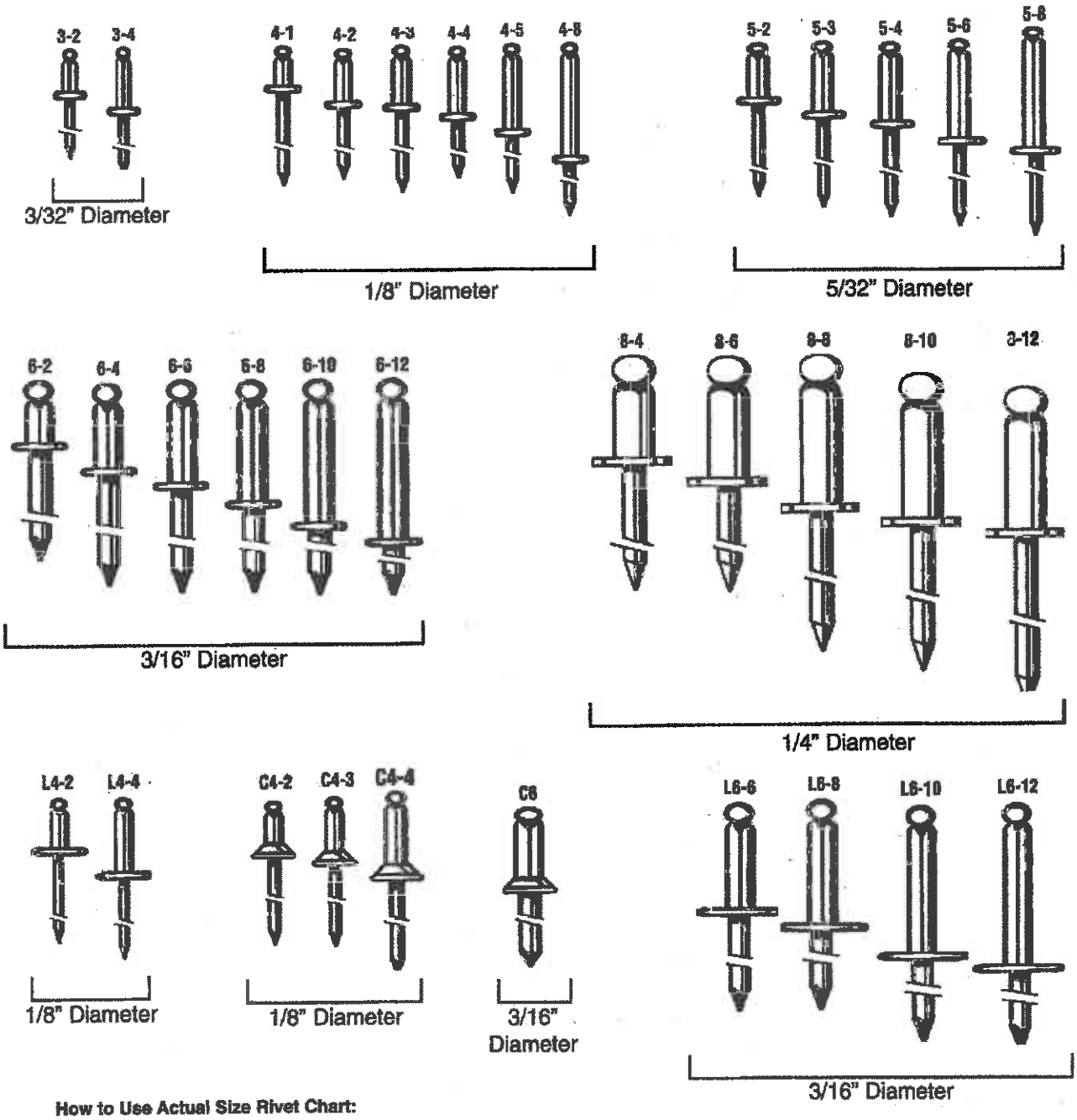
Part No.	Nom. Size (in.)	Closed-Open (in.)	mm	Width Inch	mm
24049-1/4	1/4	.197-.276	5-7	.236	6.0
24049-5/16	5/16	.276-.354	7-9	.276	7.0
24049-3/8	3/8	.315-.433	8-11	.276	7.0
24049-7/16	7/16	.354-.433	9-11	.276	7.0
24049-1/2	1/2	.433-.512	11-13	.276	7.0
24049-9/16	9/16	.512-.591	13-15	.295	7.5
24049-1932	19/32	.591-.669	15-17	.315	8.0
24049-5/8	5/8	.591-.708	15-18	.315	8.0
24049-3/4	3/4	.669-.787	17-20	.335	8.5
24049-1316	13/16	.748-.866	19-22	.354	9.0
24049-7/8	7/8	.787-.905	20-23	.354	9.0
24049-1	1	.905-1.063	23-27	.394	10.0
24049-1516	1 5/16	1.220-1.339	31-34	.394	10.0

NOTE: Select nominal clamp size nearest to, but always larger than, O.D. of material to be clamped after insert has been fitted.

Open End Blind Rivets

Button Head Blind Rivet Size Chart

Actual Size



How to Use Actual Size Rivet Chart:

Place rivet on chart, lining up rivet head with chart, Mandrel (nail portion) length does not determine rivet size. If rivet length is between 2 sizes (i.e. 4-2 and 4-3) choose the larger size.

How to find part number:

1. Locate desired size – head designation on chart
2. Locate desired material combination column
3. Correct part number and rivet code number are across from size – head under material combination

GRAYSON INDUSTRIES, INC.

Toll Free Phone: (866) 720-0175 • email: graysonind@gmail.com • Fax (24 hrs.): (954) 720-0175

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

For Your Information.....

OUR GUARANTEE.....SIMPLY PUT....
We stand behind all of our products!

- All products we furnish to our customers are guaranteed and warranted for a period of not less than one (1) year against any imperfections in material and workmanship.
- Largest Inventory of Fasteners & Related Items in the US
- Delivery Charges - There are none. Our orders are sent via UPS directly to your main location or any facility you direct delivery to. Overnight service is also available if needed on rush orders.
- Guaranteed Obsolescence Program - Our Guaranteed Obsolescence Program allows you to return any product not needed at the end of each calendar year and you'll receive a full credit.
- Toll free ordering line (866-720-0175) which is manned by our most experienced technical staff. You may also use this telephone line to get answers to any technical questions that might arise!
- Our Fax Order Line is available 24 hours daily/7 days a week (954-720-0175)
- There are No Minimum Orders. Order as much or as little as you need.
- Fasteners samples are supplied upon request at no charge to our customers
- Catalogs will be provided by Grayson Industries, Inc. to all of your key personnel

Catalog Provided by **GRAYSON INDUSTRIES, INC.**

7027 W. Broward Blvd., #327 • Plantation, FL 33317
Toll Free Phone: (866) 720-0175 • FAX: (954) 720-0175
Email: graysonind@gmail.com

'For All Your Fastener Needs'

Copyright © 2016 Grayson Industries, Inc. All rights reserved.

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
001-22.....	11.8615	EA	1
001.....	183.0320	EA	1
001A.....	102.2549	EA	1
001QP-1.....	102.2549	EA	1
001QP.....	183.0320	EA	1
010000.....	2.9653	EA	4
010035.....	3.1273	EA	1
010038.....	3.1521	EA	12
014401.....	8.2875	EA	12
014406.....	8.3404	EA	12
014407.....	13.0476	EA	12
014411.....	7.3197	EA	12
014415.....	13.0741	EA	12
0188-24-24.....	58.8425	EA	1
0188-32-32.....	119.2352	EA	1
022-01-013.....	29.9513	EA	1
022-01-014.....	32.4318	EA	1
022-01-015.....	38.2196	EA	1
022-01-017.....	54.4009	EA	1
022-01-018.....	57.9177	EA	1
022-01-019.....	50.4841	EA	1
022-01-020.....	67.0205	EA	1
022-01-021.....	78.1669	EA	1
022-01-022.....	90.3934	EA	1
022-01-023.....	141.3599	EA	1
022-01-024.....	149.8772	EA	1
03005.....	4.1013	EA	12
03017.....	9.4876	EA	12
03045.....	6.2977	EA	12
03060.....	4.3887	EA	12
03070.....	41.3640	EA	1
03095.....	10.6285	EA	12
03120.....	16.1931	EA	12
03130.....	12.4848	EA	12
03140.....	13.1040	EA	12
03150.....	16.0886	EA	12
038AGF.....	37.2401	BX	1
038GF9D.....	0.7949	EA	50
038GFSC.....	0.2700	EA	50
038GFSQ.....	0.4622	EA	50
038SEF.....	61.3952	BX	1
038SUL.....	97.5951	BX	1
05018.....	8.5200	EA	12
05089.....	3.7792	EA	6
050AGFN.....	52.8885	RL	1
050ECCN.....	0.3732	EA	50
050ECCP.....	0.5812	EA	50
050EMT.....	0.3297	EA	10
050ESCN.....	0.4240	EA	50
050ESCP.....	0.2514	EA	50
050GF9D.....	4.5898	EA	25
050GFSC.....	0.3408	EA	50
050GFSQ.....	2.7030	EA	25
050KOBU.....	0.3260	EA	100
050OFN.....	1.6846	EA	10
050SEF.....	70.4320	BX	1
050SUL.....	114.5291	BX	1
05541.....	30.2524	EA	1
06032.....	0.6972	EA	100
06034.....	0.7120	EA	100
06036.....	0.7120	EA	100
06038.....	0.7418	EA	100
06040.....	0.7550	EA	100
06042.....	0.8448	EA	100
06044.....	1.0632	EA	100
06046.....	1.4076	EA	100
06048.....	2.1886	EA	50
06050.....	2.3210	EA	50
06052.....	2.7516	EA	50
06054.....	3.4436	EA	50
06056.....	5.3903	EA	25
06058.....	7.1264	EA	25
0688-12-12.....	37.0672	EA	2
0688-16-16.....	44.6780	EA	2
0688-20-20.....	57.3626	EA	1
0688-24-24.....	73.9935	EA	1
0688-32-32.....	134.0339	EA	1
07030.....	0.7550	EA	100
07032.....	0.8448	EA	100
07034.....	1.0625	EA	100
07036.....	1.4076	EA	100
07038.....	2.1888	EA	100
07040.....	2.3210	EA	50
07042.....	2.7516	EA	50
07044.....	3.4436	EA	50
07046.....	5.3903	EA	25
07048.....	7.1264	EA	25
073-03-1200.....	18.2810	EA	1
073-03-1201.....	18.4188	EA	1
073-03-1202.....	20.2971	EA	1
073-03-1203.....	22.0885	EA	1
073-03-1204.....	26.0849	EA	1
073-03-1205.....	31.6050	EA	1
073-03-1206.....	21.1749	EA	1
073-03-1208.....	24.6200	EA	1
073-03-1209.....	27.6007	EA	1
073-03-1210.....	28.5733	EA	1
073-03-1212.....	78.0021	EA	1
073-04-1276.....	17.9688	EA	1
073-04-1277.....	15.0491	EA	1
073-04-1278.....	17.4740	EA	1
073-04-1279.....	19.6365	EA	1
073-04-1280.....	23.5638	EA	1
073-04-1281.....	23.4286	EA	1
073-04-1282.....	24.1925	EA	1
074-01-004.....	57.5040	EA	1
074-01-006.....	57.5040	EA	1
074-01-008.....	54.1968	EA	1
074-01-010.....	54.1968	EA	1
074-01-011.....	79.4033	EA	1
074-01-013.....	79.4033	EA	1
074-01-015.....	62.6538	EA	1
074-01-017.....	59.0199	EA	1
074-01-018.....	66.3235	EA	1
074-01-019.....	84.1001	EA	1
074-01-021.....	84.1001	EA	1
074-01-023.....	79.2770	EA	1
074-01-025.....	79.2770	EA	1
074-01-026.....	155.2349	EA	1
074-01-027.....	117.7312	EA	1
074-01-028.....	117.7312	EA	1
074-01-1178.....	121.1656	EA	1
074-01-1247.....	57.3663	EA	1
074-01-1248.....	57.3663	EA	1
074-01-1249.....	67.7095	EA	1
074-01-1250.....	106.7412	EA	1
074-09-3511.....	34.7745	EA	1
074-09-3512.....	36.8415	EA	1
074-09-3513.....	46.2122	EA	1
074-09-3514.....	54.8938	EA	1
074-09-3515.....	90.1736	EA	1
074-09-3516.....	132.5678	EA	1
074-09-3518.....	205.6519	EA	1
074-09-3541.....	52.2029	EA	1
074-09-3542.....	40.9277	EA	1
074-09-3543.....	69.0452	EA	1
074-09-3544.....	99.1580	EA	1
07450.....	3.0104	EA	10
07451.....	3.0104	EA	10
07453.....	1.1024	EA	25
07455.....	2.2684	EA	25
07456.....	2.0352	EA	25
07457.....	1.1024	EA	25
07480.....	1.2296	EA	25
07481.....	1.2296	EA	25
07482.....	3.2118	EA	10
07483.....	3.2118	EA	10
07485.....	2.4062	EA	25
07486.....	2.4062	EA	25
07492.....	11.5646	EA	5
07524.....	6.3176	EA	10
07525.....	6.3176	EA	10
07526.....	9.7732	EA	10
07527.....	9.5930	EA	10
07528.....	6.0102	EA	10
07529.....	9.1266	EA	10
07530.....	4.0068	EA	10
07531.....	4.0068	EA	10
07532.....	4.0068	EA	10
075AGF.....	76.1826	EA	1
075ECCN.....	0.6654	EA	25
075ECCP.....	0.8267	EA	25
075EMT.....	0.5935	EA	10
075ESCN.....	0.6784	EA	25
075ESCP.....	0.4033	EA	25
075GF9D.....	7.1656	EA	10
075GFSC.....	0.4954	EA	25
075GFSQ.....	2.8620	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
075KOBU	0.5661	EA	100
075OFN	2.2579	EA	10
075SEF	93.5406	EA	1
075SUL	157.2482	BX	1
090-080	9.0668	EA	2
0941-39-	0.0965	EA	100
09621	7.6036	EA	1
09652	5.3405	EA	6
09656	8.3147	EA	6
1-0017615-	0.7101	EA	25
1-1407-	48.5092	EA	4
1-1411-	51.4662	EA	4
1-1413-	53.1911	EA	4
1-1415-	53.1911	EA	4
1-1417-	51.3254	EA	4
1-1418-	53.1207	EA	4
1-1419-	73.4326	EA	4
1-1423-	70.7572	EA	4
1-1427-	52.2407	EA	4
1-1431-	50.0581	EA	4
1-1443-	54.4584	EA	4
1-1451-	65.6528	EA	4
1-1452-	52.3111	EA	4
10-THHNSOL-BLK	72.5230	RL	1
10-THHNSOL-BLU	72.5230	RL	1
10-THHNSOL-BRW	72.5230	RL	1
10-THHNSOL-GRN	72.5230	RL	1
10-THHNSOL-ORG	72.5230	RL	1
10-THHNSOL-RED	72.5230	EA	1
10-THHNSOL-WHT	72.5230	RL	1
10-THHNSOL-YEL	72.5230	RL	1
10	1.0812	EA	10
100	0.6027	EA	25
1000	0.4016	EA	25
10000	250.4691	RL	1
10001	311.3318	RL	1
10002	394.3996	RL	1
10003	514.8595	RL	1
10004	620.3625	RL	1
10006	514.1000	RL	1
10007	596.2500	RL	1
10008-1	846.5138	RL	1
10008	678.4000	RL	1
10009-1	1457.1339	RL	1
10009	1083.8500	RL	1
1001-1	1.2249	EA	10
1001-5	1.3427	EA	10
10010	19.2874	EA	1
10011	3.6344	EA	12
10016	4.7148	EA	12
1002	0.9381	EA	10
10025-1	0.0608	EA	25
10025-2	0.2026	EA	25
10025-3	0.1824	EA	25
10025	0.0810	EA	25
10026	0.2919	EA	5
10027	33.8615	EA	1
10028	11.7872	EA	1
10029	5.0986	EA	1
1003	0.9625	EA	10
10030	11.8932	EA	1
10031	5.2258	EA	1
10032	36.5806	EA	1
10033	54.0176	EA	1
10035	4.0698	EA	25
10036	4.0698	EA	25
10037	4.8159	EA	25
10038	10.1744	EA	25
10039	13.0804	EA	1
1004	0.5977	EA	10
10040	17.7020	EA	1
10041	2.8945	EA	5
10042	2.8945	EA	5
10055	6.5254	EA	5
10056	8.1739	EA	5
10057	9.8567	EA	5
10060	6.7314	EA	5
10061	7.8648	EA	5
10062	9.9598	EA	5
10063	27.5576	EA	2
10064	27.5576	EA	2
10065	1.7309	EA	5
10066	2.8299	EA	5
10067	3.1871	EA	5
10068	9.2042	EA	2
10069	6.4017	EA	2
1007	1.1130	EA	5
10070	1.6210	EA	5
10071	2.4728	EA	5
10072	2.9673	EA	5
100A-120V	0.6890	EA	24
100AGF	78.1120	BX	1
100ECCN	1.1162	EA	10
100ECCP	1.4470	EA	10
100EMT	1.0028	EA	10
100ESCN	1.1554	EA	20
100ESCP	0.7222	EA	20
100GF9D	8.2580	EA	5
100GFSC	1.3731	EA	25
100GFSQ	1.6025	EA	10
100KOBU	0.8087	EA	100
100OFN	2.7501	EA	10
100SEF	150.6230	EA	1
100SUL	255.1683	BX	1
101	0.2216	EA	25
10100	231.0688	EA	1
101010	0.7420	EA	100
10101N	166.4021	RL	1
101020	0.7420	EA	100
101035	0.1713	EA	200
10103N	197.3155	RL	1
10104	1.4643	EA	5
10105	1.4503	EA	5
10106	1.0892	EA	5
10107	1.2328	EA	5
101070	0.4274	EA	100
10108	1.0825	EA	5
101080	0.4274	EA	100
10109	1.2232	EA	5
101090	0.4274	EA	100
10110	1.2232	EA	5
101100	0.8607	EA	50
10111	2.7769	EA	5
101110	0.5815	EA	50
10112	3.1985	EA	2
10113	3.4865	EA	2
101130	1.2338	EA	50
101135	0.2732	EA	150
10114	4.2631	EA	5
101140	0.8513	EA	50
101145	0.0327	EA	1
10115	1.0809	EA	5
10116	1.0892	EA	5
10117	1.2232	EA	5
10118	1.2232	EA	5
10119	1.3571	EA	5
10120	1.5714	EA	5
10121	1.5631	EA	5
101210	0.0183	EA	100
10122	1.6250	EA	5
101220	0.1713	EA	200
10123	3.3662	EA	5
101230	0.1857	EA	200
10124	3.7809	EA	5
101240	0.0235	EA	1
10125	2.7769	EA	5
10126-8-10	18.4631	EA	2
10126	2.9172	EA	2
10127	3.1712	EA	2
10128	3.1918	EA	2
10129	3.1380	EA	5
1013-12	0.9128	EA	25
1013	1.5582	EA	5
10130	1.1964	EA	5
10131	1.4696	EA	2
10133	1.2232	EA	5
10137	1.4643	EA	5
1014	1.5558	EA	10
10143-12-16	43.5505	EA	2
10143-24-24	97.5305	EA	1
10143-32-32	161.5877	EA	1
10143-6-4	10.2182	EA	5
10143-8-4	12.8960	EA	4
10143	2.8125	EA	5
10144	3.2055	EA	5
10150	5.7166	EA	5
10151	5.7166	EA	5
10152	5.7236	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
10153	6.9827	EA	5
10154	7.9347	EA	10
10155	6.9824	EA	5
1016	0.4832	EA	50
10161	5.9933	EA	1
10162	7.3863	EA	1
10163	7.9759	EA	1
10164	8.9135	EA	1
10165	11.0295	EA	1
10170	15.1016	EA	1
10171-12-8	37.2082	EA	2
10171-16-12	68.7787	EA	2
10171-20-16	69.7653	EA	2
10171	16.5750	EA	1
10174-1	1.9479	EA	10
10174-2	0.9964	EA	10
10174-3	1.0812	EA	10
10174-4	1.4734	EA	10
10174-5	1.6218	EA	10
10174-6	1.8232	EA	10
10174	0.0536	EA	10
10176	18.2418	EA	2
10177	17.8736	EA	2
10178	23.1894	EA	2
10179	23.7259	EA	1
1018	0.7226	EA	10
10180	27.0421	EA	1
10181	36.3325	EA	1
10182-1	20.6270	EA	1
10183	23.4089	EA	2
10184	23.7746	EA	2
10185	29.5049	EA	2
10186	30.6754	EA	1
10187	37.6249	EA	1
10188	21.6776	EA	5
10189	23.6039	EA	2
1019	1.3744	EA	10
10190	23.8234	EA	2
10191	31.5703	EA	2
10192	32.6505	EA	1
10193-1	44.2900	EA	1
10193	37.1860	EA	1
10194	5.2576	EA	5
10195	5.8300	EA	5
10196	5.7134	EA	5
10197	10.8355	EA	5
10198	20.4982	EA	5
10199	26.2251	EA	5
101A	0.9508	EA	10
102	0.2136	EA	25
1020	0.3664	EA	25
10200-1	155.0008	RL	1
10200-2	213.2775	RL	1
10200-3	338.6102	RL	1
10200-4	451.6821	RL	1
10200	137.4421	RL	1
10201-1	90.3226	RL	1
10201-2	99.2690	RL	1
10201-3	161.6500	RL	1
10201-4	204.9934	EA	1
10201-5	647.1182	RL	1
10201	79.6908	RL	1
102010	0.5915	EA	100
102020	0.2694	EA	100
10203	1.8020	EA	5
102030	0.5915	EA	100
10204	2.4168	EA	10
102040	0.2694	EA	100
10205	2.3426	EA	10
102050	0.5915	EA	100
10206	2.7454	EA	10
102060	0.3019	EA	50
10207	2.9468	EA	5
10208	2.8726	EA	5
102080	0.4089	EA	100
10209-1	8.7768	EA	5
10209-2	7.6002	EA	5
10209-3	6.9748	EA	2
10209	2.9786	EA	10
1021	4.5970	EA	5
10210-1	8.1726	EA	2
10210	5.4802	EA	10
102100	0.4575	EA	50
10211	8.6390	EA	5
10212	19.8432	EA	2
102120	0.6028	EA	50
10214	3.0846	EA	5
102140	0.7706	EA	50
10215	3.1800	EA	5
10216	3.3814	EA	5
10217	3.3920	EA	5
10218	3.4874	EA	5
10219	3.7312	EA	5
10220-1	5.6816	EA	5
10220	3.9432	EA	5
10221	6.9409	EA	5
10222	10.1866	EA	2
10223	22.0268	EA	2
10224-1	10.2757	EA	5
10224-2	13.5178	EA	5
10224-3	17.1445	EA	2
10224-4	12.1372	EA	2
10224-5	10.6604	EA	2
10224-6	27.5302	EA	2
10224-7	48.9333	EA	2
10224	9.3690	EA	5
10225	2.8196	EA	10
10226	2.6818	EA	5
10227	2.7136	EA	5
10228	3.0316	EA	5
10229	3.4238	EA	10
10230	3.1800	EA	5
10231	4.3460	EA	10
10232-1	13.1864	EA	2
10232-2	7.8334	EA	2
10232-3	7.6638	EA	2
10232	4.8053	EA	5
10233	6.8802	EA	5
10234	7.0596	EA	10
10235	9.9998	EA	5
10236	10.7484	EA	5
10237	27.0936	EA	2
10238-1	21.1010	EA	5
10238-2	18.8755	EA	5
10238-3	23.4638	EA	5
10238-4	37.9158	EA	2
10238-5	38.4928	EA	2
10238	13.9849	EA	5
10239	7.1974	EA	5
10240	6.9854	EA	5
10241	8.7556	EA	5
10242	14.7870	EA	2
10243	25.7156	EA	2
10245	7.6744	EA	5
10246	7.7486	EA	5
10247	9.0206	EA	5
10248	16.3452	EA	2
10249	19.4559	EA	2
10250-1	10.4940	EA	2
10250-2	7.2186	EA	2
10250	9.7520	EA	2
10251	4.7276	EA	5
10252	6.2434	EA	5
10253	5.0668	EA	5
10254	7.5684	EA	5
10255	10.9074	EA	5
10256	11.2996	EA	5
1026	0.3346	EA	50
10260	6.3388	EA	5
10261	6.4872	EA	5
10262	6.0844	EA	5
10263	7.7486	EA	5
10265	5.6710	EA	5
10266	7.6638	EA	5
10267	7.2186	EA	5
10268	8.0454	EA	5
1027	0.4527	EA	25
10270	6.0102	EA	5
10271	7.0384	EA	5
10272	7.2822	EA	5
10273	8.4482	EA	5
10275	5.0138	EA	5
10276	4.3778	EA	5
10277	4.6110	EA	5
10278	7.8970	EA	5
10280	2.8571	EA	5
10281	4.4308	EA	5
10282	4.6322	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
10283	4.1658	EA	5
10284	3.8902	EA	5
10285	3.8372	EA	5
10286	5.0908	EA	5
10287	7.1058	EA	5
10288	12.3960	EA	2
10289	21.4107	EA	2
10291	7.8854	EA	5
10294	6.9787	EA	5
10295	5.9890	EA	5
10296	6.9536	EA	5
10297	15.1869	EA	5
10298	15.0414	EA	2
10299	33.6571	EA	2
103	0.2544	EA	25
1030	3.6837	EA	10
10300	1.0208	EA	5
10301	1.4093	EA	5
103010	0.8904	EA	25
10302	1.7481	EA	5
103020	0.8904	EA	25
103030	0.9243	EA	25
10304	0.7685	EA	5
10305	1.5851	EA	5
103050	0.8904	EA	25
103060	0.4270	EA	25
10307	1.2134	EA	5
103070	0.8904	EA	25
103080	0.8904	EA	25
10309	2.1980	EA	5
103090	0.4473	SH	25
1031	0.3752	EA	25
10310	1.9782	EA	5
103100	0.5317	EA	25
10311	1.9542	EA	5
103110	0.5317	EA	25
103120	0.4270	EA	25
10313	3.1150	EA	5
103130	0.7045	EA	25
10315	2.0606	EA	2
10318	2.9845	EA	2
10319	1.0660	EA	10
10319A	4.4510	EA	2
1032	0.1023	EA	100
10320	4.3651	EA	1
10322	4.5094	EA	1
10325	3.8019	EA	5
10326	5.3474	EA	5
10327	2.6253	EA	5
10328	5.3439	EA	5
10329	4.2346	EA	5
10331	7.0543	EA	5
10332	0.1694	EA	5
10333	5.8934	EA	5
10335	8.5757	EA	5
10336	11.0176	EA	2
10337	6.5631	EA	2
1034	0.3267	EA	50
10340	9.9357	EA	2
10341	10.9866	EA	2
10343	18.5904	EA	1
10345	0.9764	EA	5
10346	1.4699	EA	5
10347	1.7309	EA	5
10348	1.9130	EA	5
10349	1.9542	EA	5
1035	0.0642	EA	50
10350	1.9130	EA	5
10351	2.3409	EA	5
10352	2.2255	EA	5
10353	2.9168	EA	2
10354	3.8637	EA	2
10355	3.8225	EA	2
10356	6.7635	EA	2
10357	5.4676	EA	1
10358	10.1069	EA	1
10359-1	14.9953	EA	1
10359-2	28.1504	EA	1
10359	9.5768	EA	1
1036	0.0591	EA	50
10360	1.8999	EA	5
10361	2.3972	EA	5
10362	3.3005	EA	5
10363	4.9867	EA	5
10364-1	74.8466	EA	1
10364	5.4401	EA	5
103647	0.5487	EA	10
10365	4.7223	EA	5
10366-1	12.9391	EA	2
10366	7.5368	EA	2
10367	6.8551	EA	2
10368	10.0689	EA	1
10369-1	26.4638	EA	1
10369-2	86.9848	EA	1
10369	18.3981	EA	1
1037	0.2191	EA	50
10370	2.4659	EA	5
10371-10-10	77.0237	EA	1
10371-10-8	35.7283	EA	2
10371-14-12	68.1445	EA	1
10371-16-12	67.8626	EA	1
10371-8-6	30.0907	EA	2
10371	2.5518	EA	5
10372	2.5963	EA	5
10373	3.3382	EA	5
10374	3.8671	EA	5
10375	4.1694	EA	5
10376	4.3170	EA	5
10377	3.7607	EA	5
10378	0.2624	EA	25
10378A	7.5522	EA	2
10379	0.3120	EA	25
10379A	10.8081	EA	1
10380-1	27.3705	EA	1
10380-2	65.1677	EA	1
10380	0.3936	EA	25
10380A	21.9493	EA	1
10381	0.3936	EA	25
10381A	1.9645	EA	5
10382	0.5168	EA	25
10382A	2.1774	EA	5
10383	2.7200	EA	5
10384	1.5496	EA	25
10384A	4.0148	EA	2
10385	1.3940	EA	10
10385A	4.5066	EA	1
10386	1.0040	EA	10
10386A	10.3753	EA	1
10387	13.7821	EA	1
1039	0.6626	EA	50
10390	5.6393	EA	5
10391	3.8369	EA	5
10392	7.1470	EA	5
10393	10.3822	EA	5
10394	13.6826	EA	5
10395	18.9682	EA	2
10396	18.3126	EA	2
103A	0.6302	EA	10
104	0.2464	EA	25
1040	0.2323	EA	50
10400	4.9301	EA	5
10401	4.7979	EA	5
10402	4.9679	EA	5
10403	6.5886	EA	5
10404	6.7623	EA	5
10405	5.8745	EA	5
10406	6.3657	EA	5
10407	9.2746	EA	2
10408	17.3025	EA	2
1041	1.8543	EA	15
10410	6.9163	EA	5
10411	7.5292	EA	5
10412	10.1681	EA	5
1042	0.6855	EA	10
1043	0.8793	EA	15
10440	1.0071	EA	5
10441	1.0386	EA	5
10442	1.5661	EA	5
10443	2.0812	EA	5
10444	2.1911	EA	5
10445	2.5105	EA	5
10446	3.0910	EA	2
10447	4.6261	EA	2
10448	7.8751	EA	2
10449-1	17.4948	EA	1
10449-2	20.2767	EA	1
10449	8.6890	EA	2
1045	0.5611	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
10450.....	1.5730	EA	5
10451.....	2.0126	EA	5
10452.....	2.1602	EA	5
10453.....	2.7303	EA	5
10454.....	3.6061	EA	2
10455.....	3.3072	EA	2
10456.....	7.8236	EA	2
1046.....	0.1246	EA	50
10460.....	3.4894	EA	5
10461.....	11.1549	EA	5
10462.....	7.6656	EA	2
10463.....	9.7537	EA	2
10464.....	17.5841	EA	2
1047.....	0.1450	EA	50
10470.....	8.9020	EA	5
10471.....	7.2260	EA	5
10472.....	7.6106	EA	5
10473.....	7.8854	EA	5
10474.....	10.6576	EA	5
10475.....	10.6576	EA	2
10476.....	19.1557	EA	2
10477.....	35.9650	EA	2
10478.....	75.9882	EA	2
10480.....	16.2104	EA	5
10481.....	21.4032	EA	5
10482.....	18.6515	EA	2
10483.....	19.5349	EA	2
10485.....	4.6158	EA	5
10486.....	4.5059	EA	5
10487.....	8.2590	EA	2
10488.....	11.1000	EA	2
10489.....	16.5675	EA	2
10490.....	5.7973	EA	5
10491.....	6.5391	EA	5
10492.....	23.9034	EA	5
10493.....	9.3416	EA	5
10494.....	9.4515	EA	5
10495.....	38.6576	EA	2
10496.....	12.8034	EA	2
10497.....	17.5841	EA	2
104A.....	0.5497	EA	25
105.....	0.2624	EA	25
1050.....	0.5597	EA	25
10500.....	15.9081	EA	5
105000.....	0.3761	EA	100
10501.....	12.5012	EA	5
105010.....	0.3761	EA	100
10502.....	23.5806	EA	5
105020.....	0.3761	EA	100
105025.....	0.3761	EA	100
10503.....	38.6576	EA	2
105030.....	0.3761	EA	100
10504.....	43.9878	EA	2
105040.....	0.3761	EA	100
10505.....	52.8898	EA	2
105050.....	0.3761	EA	100
10506.....	62.3687	EA	2
105070.....	0.3761	EA	100
105080.....	0.3761	EA	100
105085.....	0.4204	EA	100
1051.....	1.3989	EA	50
10510.....	8.7828	EA	5
10511.....	9.7750	EA	5
10512.....	9.1870	EA	5
10513.....	25.3194	EA	2
10514.....	25.4297	EA	2
10515.....	35.2047	EA	2
1052.....	0.6569	EA	25
10520.....	23.4363	EA	5
10521.....	21.5680	EA	5
10522.....	16.5126	EA	5
10523.....	26.7059	EA	5
10525.....	7.6106	EA	5
10526.....	6.2369	EA	5
10527.....	6.8963	EA	5
10528.....	9.4515	EA	5
10529.....	11.3473	EA	5
10530.....	13.3529	EA	2
10531.....	20.3591	EA	2
10535.....	7.3221	EA	5
10536.....	5.2684	EA	5
10537.....	1.3718	EA	5
10539.....	1.3969	EA	5
10540.....	1.6366	EA	5
10541.....	1.7309	EA	5
10543-12-8.....	24.1712	EA	5
10543-16-12.....	154.1884	EA	1
10543.....	3.6954	EA	2
10544.....	5.1550	EA	2
10545.....	4.6296	EA	2
10547.....	2.3594	EA	2
10548.....	4.7257	EA	2
10551.....	3.4725	EA	2
10554.....	10.4974	EA	2
1056.....	0.7950	EA	25
1057.....	0.2818	EA	25
10571-12-12.....	54.3324	EA	2
10571-16-16.....	64.2686	EA	1
10571-8-8.....	34.8827	EA	2
10572.....	5.0177	EA	5
10573.....	5.5363	EA	5
10574.....	6.2987	EA	5
10576.....	7.9472	EA	2
10579.....	10.0765	EA	2
10580.....	13.1812	EA	2
1059.....	0.4240	EA	25
10598.....	0.5576	EA	25
10599.....	0.6072	EA	25
105A.....	0.3610	EA	25
106.....	0.6980	EA	10
10600.....	0.5496	EA	25
10600A.....	4.6914	EA	5
10601.....	0.7056	EA	25
10601A.....	8.2683	EA	5
10602.....	0.7872	EA	25
10602A.....	5.6874	EA	5
10603.....	0.8448	EA	25
10603A.....	7.0027	EA	5
10604.....	0.8776	EA	25
10604A.....	10.8218	EA	5
10605.....	0.9352	EA	25
10605A.....	12.6901	EA	5
10606.....	1.2304	EA	25
10606A.....	28.4368	EA	2
10607.....	1.3776	EA	25
10607A.....	14.3214	EA	2
10608.....	0.4920	EA	25
10609.....	0.5168	EA	25
10610.....	0.6560	EA	25
10610A.....	4.7704	EA	5
10611.....	0.6072	EA	25
10611A.....	6.0514	EA	5
10612.....	0.7952	EA	25
10612A.....	5.6599	EA	5
10613.....	0.5328	EA	25
10613A.....	7.1470	EA	2
10614.....	0.6232	EA	25
10614A.....	8.7509	EA	5
10615.....	0.6400	EA	25
10615A.....	12.2333	EA	5
10616.....	14.5275	EA	2
10617.....	14.7593	EA	2
10618.....	27.7156	EA	2
1062.....	2.2165	EA	15
10620.....	0.6620	EA	5
10621.....	0.3743	EA	5
10622.....	0.5529	EA	5
10623.....	0.5804	EA	5
10624.....	0.7042	EA	5
10625.....	1.0563	EA	5
10626-12-12.....	36.0806	EA	2
10626-6-6.....	12.1913	EA	5
10626.....	1.1368	EA	2
10630.....	4.5351	EA	5
10631.....	4.6983	EA	5
10632.....	2.7080	EA	5
10633.....	3.0669	EA	5
10634.....	3.3932	EA	5
10640.....	0.4087	EA	5
10641.....	0.3419	EA	5
10643-12-10.....	27.4128	EA	2
10643-24-24.....	110.6004	EA	1
10643-32-32.....	187.3656	EA	1
10643-6-5.....	13.9531	EA	4
10643.....	0.4430	EA	5
10644.....	0.7121	EA	5
10645.....	0.7426	EA	5
10647.....	0.8620	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
10648	1.5234	EA	2
10649-1	2.3938	EA	2
10649-2	5.0051	EA	2
10649-3	10.4042	EA	2
10649	1.1917	EA	2
10650	1.6112	EA	10
10651	1.4946	EA	10
10652	1.7702	EA	10
10653	0.3237	EA	10
10654	0.3272	EA	25
10655	2.7666	EA	10
10660	1.3638	EA	5
10661	1.4356	EA	5
10662	1.5074	EA	5
10663	1.9380	EA	5
10664	2.7994	EA	5
10665	3.4454	EA	5
10666	6.9114	EA	10
10667-1	7.5543	EA	10
10667	7.5543	EA	10
10668-1	6.2417	EA	10
10668	6.4975	EA	10
10669-1	6.7185	EA	5
10669	6.5417	EA	5
1067	0.3482	EA	25
10670	1.2920	EA	5
10671-10-10	42.5639	EA	2
10671-12-10	40.0974	EA	2
10671-12-16	60.1550	EA	2
10671-12-8	58.5606	EA	2
10671-14-12	50.6679	EA	2
10671-20-16	105.2822	EA	1
10671-24-20	157.2890	EA	1
10671-8-6	28.6108	EA	2
10671	1.4356	EA	5
10672	1.6509	EA	5
10673	9.9920	EA	5
10674	9.9920	EA	5
10675	7.4183	EA	5
10676	4.8768	EA	5
10677	7.0749	EA	5
10678	5.0486	EA	5
10679	6.4567	EA	5
1068	0.2937	EA	25
10680	7.3840	EA	5
10681	6.1132	EA	5
10682	5.4950	EA	5
10683	5.7698	EA	5
10684	6.4567	EA	5
10685	6.5940	EA	5
10686	6.5254	EA	5
10687	5.8385	EA	5
10688	5.5637	EA	5
10689	7.3840	EA	5
1069	0.5832	EA	50
10690	8.5517	EA	5
10691	15.9700	EA	5
10692	0.2061	EA	25
10693	0.4465	EA	50
10694	0.5495	EA	50
10695	5.4950	EA	4
10696	4.8768	EA	4
10697	5.4607	EA	4
10698	8.8608	EA	2
10699-1	6.7185	EA	5
10699	10.9901	EA	2
106A	0.6541	EA	25
107	0.6760	EA	10
10700	103.5514	RL	1
10701	120.5856	RL	1
10702-1	166.6744	RL	1
10702	136.7612	RL	1
107020	1.1574	EA	50
10703	216.8230	RL	1
107030	1.1574	EA	50
10704	285.6064	RL	1
10705	565.9976	RL	1
107050	1.1574	EA	50
107060	1.1574	EA	50
107070	1.1574	EA	50
10708	5.8512	EA	5
107080	1.1574	EA	50
10709	7.1974	EA	5
107090	1.1574	EA	50
1071	0.2298	EA	50
10710-1	8.4164	EA	5
10710	7.2504	EA	5
107100	1.1574	EA	50
10711	7.7062	EA	5
107110	1.2336	EA	50
10712	14.9672	EA	5
10713	10.5576	EA	2
10714	23.9137	EA	2
10715	19.5888	EA	2
10719	1.0040	EA	10
10720	0.9840	EA	10
10720A	6.9536	EA	5
10721	0.2544	EA	25
10721A	9.8792	EA	5
10722	7.1868	EA	5
10723	8.4058	EA	5
10724	0.2792	EA	25
10724A	7.7698	EA	5
10725	8.3952	EA	5
10726	10.1760	EA	5
10727	10.8862	EA	5
10728	20.4686	EA	1
10729	14.1828	EA	2
10730	22.7158	EA	2
10737	0.1728	EA	10
10738	30.8672	EA	1
10739	43.5766	EA	1
1074	0.5263	EA	25
10740	0.2049	EA	10
10741	0.2963	EA	10
10742	0.5182	EA	10
10743	0.6254	EA	10
10744-12	0.5221	EA	10
10744-2	0.9604	EA	10
10744-3	0.9560	EA	10
10744-5	1.4522	EA	10
10744-8	1.5164	EA	10
10744	0.2543	EA	25
1074410	0.4099	EA	10
10745-1	0.1482	EA	25
10745	0.1012	EA	25
10746	0.1012	EA	25
10747	0.1531	EA	10
10748-1	0.4198	EA	10
10748	0.2961	EA	10
10749-1	7.2092	EA	1
10749-2	6.3226	EA	1
10749-3	8.2447	EA	1
10749	7.8075	EA	1
10750-1	2.0773	EA	5
10750	1.2296	EA	10
10751-1	2.9468	EA	5
10751	1.7596	EA	10
10752-1	4.7077	EA	5
10752	2.6606	EA	5
10753-1	5.4484	EA	5
10753	3.7948	EA	5
10754-X	0.8010	EA	10
10754	1.2826	EA	10
10755	1.5900	EA	10
10756	1.4632	EA	10
10757	2.0771	EA	10
10758-1	3.3212	EA	5
10758	1.7914	EA	5
10759	3.8054	EA	5
1076	0.5009	EA	25
10760	4.8473	EA	5
10761-1	2.6076	EA	10
10761-2	2.0988	EA	10
10761-Y	1.5379	EA	10
10761	0.7738	EA	10
10762-1	1.6748	EA	10
10762	0.9964	EA	10
10763	1.0812	EA	10
10764	1.3886	EA	10
10765-1	1.6218	EA	5
10765-2	2.3320	EA	5
10765-X	1.7066	EA	5
10765	1.4098	EA	5
10766	2.1730	EA	5
10767-1	3.3602	EA	5
10767	2.3320	EA	5
10768	3.2542	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
10769-1.....	8.6693	EA	5
10769.....	2.9362	EA	10
10770.....	5.8300	EA	5
10771.....	9.6065	EA	5
10772-1.....	4.2824	EA	10
10772-2.....	4.0174	EA	10
10772-X.....	2.8424	EA	10
10772.....	0.9646	EA	10
10773.....	1.1024	EA	10
10774.....	2.9277	EA	5
10775.....	1.3674	EA	10
10776.....	1.2826	EA	10
10777.....	1.5158	EA	5
10778-1.....	3.5298	EA	5
10778.....	2.6606	EA	5
10779-1.....	2.6288	EA	5
10779-2.....	4.4578	EA	5
10779.....	1.9080	EA	5
1078.....	0.4817	EA	50
10780-1.....	6.8978	EA	5
10780.....	3.3602	EA	5
10781.....	1.6006	EA	10
10782.....	2.5652	EA	10
10783.....	4.4216	EA	10
10784.....	1.7066	EA	10
10785.....	2.3320	EA	5
10786.....	2.6076	EA	5
10787.....	3.8690	EA	5
10788-1.....	4.1658	EA	5
10788-2.....	4.6216	EA	5
10788-3.....	6.9264	EA	5
10788.....	2.6076	EA	5
10789.....	87.7680	EA	1
10790.....	81.9592	KT	1
10791.....	3.7386	EA	5
10792-1.....	8.3137	EA	5
10792.....	3.7630	EA	5
10793-1.....	4.2017	EA	5
10793-2.....	5.0456	EA	5
10793-3.....	2.0352	EA	5
10793-4.....	2.9150	EA	5
10793-5.....	4.8511	EA	5
10793-6.....	5.6572	EA	5
10793.....	2.3850	EA	5
10794.....	2.7984	EA	5
10795-1.....	6.5720	EA	5
10795-2.....	8.0371	EA	5
10795.....	5.1463	EA	5
10796.....	7.7039	EA	5
10797-1.....	4.3354	EA	5
10797.....	7.5615	EA	5
10799.....	13.4543	EA	5
107A.....	0.7861	EA	10
108-02.....	0.3908	EA	100
108-04.....	0.6211	EA	100
108.....	0.6360	EA	10
1080.....	0.0712	EA	50
10800.....	0.3430	EA	5
108010.....	1.4162	EA	25
10802.....	1.4968	EA	5
108020.....	1.4162	EA	25
10803.....	1.2657	EA	5
108030.....	1.4162	EA	25
10804.....	1.9398	EA	1
10805.....	2.5652	EA	1
10807.....	0.8243	EA	5
10808.....	6.0500	EA	2
10808A.....	0.7418	EA	5
10809.....	1.0715	EA	5
10810.....	1.7992	EA	5
10816.....	3.1270	EA	1
10817.....	0.9135	EA	10
10818.....	2.6182	EA	1
10819.....	3.9012	EA	5
10820.....	2.9362	EA	1
10821.....	1.2293	EA	5
10823-1.....	3.7668	EA	2
10823-3.....	1.7535	EA	5
10823-5.....	4.0598	EA	5
10823-6.....	2.6288	EA	5
10823.....	1.7596	EA	5
10824-1.....	1.0564	EA	5
10824-2.....	2.4693	EA	2
10824-3.....	1.5158	EA	2
10824.....	1.0221	EA	5
10825-1.....	0.6628	EA	5
10825-2.....	1.0635	EA	5
10825-3.....	0.6890	EA	5
10825-4.....	1.9078	EA	2
10825.....	0.4130	EA	5
10826-1.....	1.4427	EA	5
10826-2.....	0.9858	EA	5
10826-3.....	2.6904	EA	2
10826.....	0.8836	EA	5
10827-1.....	2.0988	EA	1
10827-2.....	0.4168	EA	10
10827.....	2.4486	EA	1
10828-1.....	1.1083	EA	5
10828-3.....	3.9644	EA	2
10828.....	3.3708	EA	1
10829.....	0.2243	EA	20
10830.....	0.3612	EA	10
10831.....	0.0703	EA	10
10832.....	0.7156	EA	5
10833-1.....	0.8798	EA	5
10833.....	0.5923	EA	10
10834-1.....	2.3494	EA	2
10834-2.....	6.2964	EA	2
10834.....	1.4734	EA	5
10835.....	0.4442	EA	5
10836-1.....	0.6678	EA	5
10836-2.....	1.6748	EA	5
10836-3.....	3.0634	EA	5
10836-4.....	3.1270	EA	5
10836-5.....	2.6869	EA	2
10836-6.....	3.1563	EA	2
10836-7.....	3.4610	EA	2
10836-8.....	3.7658	EA	2
10836-9.....	4.0706	EA	2
10836.....	0.9646	EA	5
10837.....	1.0600	EA	5
10838.....	0.8396	EA	5
10839-1.....	2.0458	EA	2
10839-2.....	8.4800	EA	2
10839.....	1.1978	EA	5
10840-1.....	7.2504	EA	5
10840.....	2.2578	EA	5
10841.....	0.8611	EA	5
10842.....	0.8394	EA	10
10843-6-6.....	11.4161	EA	4
10843.....	1.1605	EA	10
10844.....	1.4522	EA	5
10845-1.....	7.2947	EA	2
10845.....	2.5440	EA	2
10846.....	2.1200	EA	5
10847-1.....	10.3880	EA	2
10847.....	3.6252	EA	2
10848.....	1.3886	EA	5
10849.....	1.6218	EA	5
10850-1.....	2.8620	EA	5
10850-2.....	7.1232	EA	2
10850-3.....	12.6352	EA	2
10850.....	1.9928	EA	5
10853-1.....	0.0765	EA	25
10853.....	0.1382	EA	25
10854-1.....	0.3612	EA	25
10854.....	0.1271	EA	25
10855.....	0.1012	EA	25
10856-1.....	1.7502	EA	25
10856.....	0.1800	EA	25
10857-1.....	0.4558	EA	15
10857.....	0.3200	EA	25
10858.....	42.7816	RL	1
10859-1.....	46.4468	RL	1
10859.....	69.2731	RL	1
10860.....	82.5846	RL	1
10861.....	109.1906	RL	1
10862.....	110.6163	RL	1
10863.....	252.0468	RL	1
10864.....	43.1738	EA	1
10868.....	0.8268	EA	5
10871.....	0.0987	EA	100
10872.....	0.1772	EA	100
10873.....	0.1482	EA	100
10874.....	0.1728	EA	100
1088.....	0.1677	EA	50
10880.....	0.1087	EA	25
10881.....	0.1367	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
10882	0.1728	EA	25
10883	0.3286	EA	25
10884	0.7387	EA	10
10889	0.1367	EA	25
10890	0.2539	EA	25
10891-1	0.3602	EA	25
10891	0.2179	EA	25
10893	0.1012	EA	25
10894	0.1280	EA	25
10895	0.1800	EA	25
108A	0.4047	EA	25
109	1.2300	EA	10
10900	2.5678	EA	5
10901	4.8336	EA	5
109010	1.7278	EA	25
10902	7.2192	EA	2
10903	8.2085	EA	2
10904	4.8760	EA	5
10906	10.0806	EA	5
10907	6.4567	EA	5
10908	6.7864	EA	5
10909	13.9849	EA	5
10910	8.5860	EA	5
10911	14.3283	EA	5
10912	31.0745	EA	2
10913	3.7100	EA	5
10914	5.3725	EA	5
10915	10.8756	EA	5
10916	7.3670	EA	5
10917	12.4338	EA	2
10918	8.4482	EA	5
10919	11.6684	EA	5
10920	14.1298	EA	2
10921	9.4367	EA	5
10922	8.9734	EA	5
10923	9.7159	EA	5
10924	10.7908	EA	5
10925	12.8154	EA	2
10926	24.2623	EA	2
10927	8.9246	EA	5
10928	7.1762	EA	5
10929	7.7698	EA	5
10930	8.2150	EA	5
10931	14.1916	EA	2
10932	8.0238	EA	5
10933	4.9502	EA	5
10934	16.3199	EA	2
10935	26.7739	EA	1
10936	4.3363	EA	5
10937	6.1599	EA	5
10938	6.4841	EA	5
10939	5.8155	EA	5
10940	8.6118	EA	5
10941	4.3583	EA	5
10942	6.7321	EA	5
10943	7.0845	EA	5
10944	6.5281	EA	5
10945	5.0547	EA	5
10946	8.1601	EA	5
10947	7.2716	EA	5
10948	7.7975	EA	5
10949	8.4284	EA	5
10950	8.2151	EA	5
10951	16.4512	EA	2
10952	5.6355	EA	5
10953	7.2067	EA	5
10954	8.6523	EA	5
10955	7.6257	EA	5
10956	8.1017	EA	5
10957	10.6216	EA	2
10958	10.7892	EA	2
10959	13.3529	EA	5
10960	11.4846	EA	5
10961	14.0948	EA	5
10962	23.9584	EA	2
10964	20.5789	EA	5
10965	18.5210	EA	5
10966	22.0856	EA	5
10967	38.7692	EA	5
10968	30.5744	EA	5
10969	35.4251	EA	5
10970	0.4723	EA	5
10971	0.4848	EA	5
10972	0.5176	EA	5
10973	0.5657	EA	5
10974	0.7159	EA	5
10975	7.9606	EA	5
10976	8.2044	EA	5
10977	13.3138	EA	5
10978	16.0936	EA	5
10979	10.4608	EA	5
10980	13.8381	EA	5
10985	0.9135	EA	5
10986	0.8406	EA	5
10987	1.0282	EA	5
10988	2.4803	EA	5
10989	1.0388	EA	5
10990	2.9014	EA	5
10991	0.5936	EA	5
10992	0.8162	EA	5
10993	2.9014	EA	5
10994	3.3630	EA	5
109A	0.2286	EA	25
110	0.6160	EA	10
11001	0.2515	EA	5
110010	1.6855	EA	25
11002	0.3194	EA	5
110020	1.6855	EA	25
11003	0.4937	EA	5
110030	2.4571	EA	25
11004	0.6663	EA	5
110040	1.7821	EA	25
110050	1.8990	EA	25
11006-1	1.8020	EA	5
11006	1.0600	EA	5
110060	2.2080	EA	25
11007	2.5758	EA	5
110070	2.6736	EA	25
11008-1	1.2296	EA	5
11008-2	1.7823	EA	5
11008-3	3.8894	EA	5
11008-4	2.6649	EA	2
11008-5	5.0497	EA	2
11008-6	4.2344	EA	2
11008	1.7375	EA	5
11009	5.0880	EA	2
11010-2	0.4770	EA	5
11010-3	0.7208	EA	5
11010-4	0.7632	EA	5
11010-5	1.1978	EA	5
11010-6	1.9822	EA	5
11011-1	0.2226	EA	25
11011-2	0.3498	EA	25
11011-3	0.4558	EA	5
11011-5	0.6784	EA	5
11011-6	1.1342	EA	2
11012-1	0.4193	EA	5
11012-2	0.3457	EA	5
11012-3	0.4933	EA	5
11012-4	0.7407	EA	5
11012-5	1.0812	EA	2
11012-6	1.6748	EA	1
11012	0.7099	EA	5
11013-1	1.4833	EA	5
11013-2	1.1767	EA	5
11013-3	2.0052	EA	5
11013-4	2.1836	EA	2
11013-5	2.8302	EA	2
11013-6	4.6216	EA	2
11014-1	0.2602	EA	5
11014-2	0.2723	EA	5
11014-3	0.2682	EA	5
11014-4	0.4027	EA	5
11014-5	0.5139	EA	5
11014-6	0.7154	EA	5
11014-7	1.2826	EA	2
11014-8	1.8232	EA	2
11015	1.1236	EA	5
11016	2.1094	EA	5
11017	1.4522	EA	5
11018	1.9603	EA	2
11019	2.4858	EA	2
11020-1	2.6857	EA	5
11020-2	0.8155	EA	5
11020-3	2.3547	EA	5
11020-4	2.2157	EA	5
11020-5	1.4946	EA	2
11020-6	4.2957	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
11020-7.....	6.8561	EA	2
11020.....	3.1864	EA	2
11021-1.....	0.4193	EA	10
11021-2.....	1.0954	EA	10
11021.....	0.2961	EA	10
11022-1.....	0.5928	EA	5
11022-10.....	3.2276	EA	2
11022-2.....	0.5910	EA	5
11022-3.....	0.6663	EA	5
11022-4.....	0.7654	EA	5
11022-5.....	1.1024	EA	2
11022-6.....	1.1978	EA	2
11022-7.....	1.1236	EA	5
11022-8.....	1.4734	EA	2
11022-9.....	1.2296	EA	2
11022-X.....	0.4935	EA	10
11022.....	0.3945	EA	10
11023.....	0.3202	EA	10
11024.....	0.6167	EA	5
11025-1.....	0.7159	EA	5
11025.....	0.4937	EA	5
11026-1.....	0.9846	EA	5
11026.....	0.7465	EA	5
11027-1.....	1.4946	EA	5
11027-2.....	1.1024	EA	2
11027-3.....	1.9080	EA	2
11027-4.....	2.1518	EA	1
11027-5.....	1.8020	EA	2
11027-6.....	1.7066	EA	2
11027-7.....	1.9398	EA	1
11027-8.....	4.2554	EA	1
11027.....	0.9122	EA	5
11028-1.....	1.6536	EA	2
11028-2.....	3.0293	EA	1
11028-3.....	1.2296	EA	5
11028.....	1.1978	EA	5
11029-1.....	1.0335	EA	5
11029-2.....	1.1978	EA	5
11029-3.....	1.3780	EA	5
11029-4.....	1.6748	EA	2
11029-5.....	4.5876	EA	2
11029-6.....	7.0982	EA	2
11029.....	1.5158	EA	5
11030.....	0.0515	EA	50
11031.....	0.0518	EA	50
11032.....	0.0765	EA	50
11033.....	0.0765	EA	50
11034.....	0.0677	EA	50
11035.....	0.0880	EA	50
11036.....	0.1094	EA	50
11038.....	0.1274	EA	25
11039.....	0.1283	EA	25
11040.....	0.1531	EA	25
11041.....	0.1803	EA	25
11042.....	0.2280	EA	25
11043.....	0.8174	EA	25
11044.....	0.4612	EA	25
11046-A.....	0.6909	EA	5
11047-A.....	0.7407	EA	5
11048-A.....	0.7159	EA	5
11049-A.....	0.7900	EA	5
1105.....	2.0140	EA	10
11050-A.....	0.9964	EA	5
11052-A.....	1.7278	EA	5
11053-1.....	0.5862	EA	5
11053-2.....	0.5860	EA	5
11053-3.....	0.6164	EA	5
11053-4.....	0.8480	EA	5
11053-5.....	0.7314	EA	5
11053-6.....	0.9646	EA	5
11053-7.....	1.4946	EA	5
11053-8.....	2.4486	EA	5
11053-A.....	0.8194	EA	5
11053.....	0.9646	EA	5
11054-A.....	0.4933	EA	5
11055-A.....	0.5430	EA	5
11056-1.....	0.6913	EA	5
11056-A.....	0.4940	EA	5
11057-1.....	0.6903	EA	5
11057-A.....	0.5184	EA	5
11058-1.....	0.6667	EA	5
11058-2.....	0.8887	EA	5
11058-3.....	1.1236	EA	5
11058-A.....	0.6913	EA	5
11059-A.....	1.1872	EA	5
11060-1.....	1.4734	EA	5
11060-2.....	2.0458	EA	5
11060-3.....	1.1236	EA	5
11060-A.....	1.1024	EA	5
11062-1.....	2.1412	EA	5
11062-2.....	3.7842	EA	2
11063-A.....	0.7693	EA	5
11064-1.....	0.7898	EA	5
11064-A.....	0.6665	EA	5
11065-1.....	1.2592	EA	5
11065-A.....	1.0124	EA	5
11066-1.....	1.1236	EA	5
11066-2.....	1.3674	EA	2
11066-A.....	1.0388	EA	5
11067-1.....	2.3956	EA	2
11067-A.....	1.8444	EA	5
11067.....	2.9426	EA	2
11068-9.....	0.3022	EA	25
11069.....	0.1403	EA	25
11070.....	0.1403	EA	25
11071.....	0.1402	EA	25
11072-1.....	0.7997	EA	5
11072-2.....	0.8857	EA	5
11072-6.....	0.2042	EA	25
11072-7.....	0.2031	EA	25
11072-8.....	0.2042	EA	25
11072-9.....	0.3126	EA	10
11072.....	0.2016	EA	10
11073.....	0.3889	EA	10
11074-1.....	0.7399	EA	5
11074-2.....	1.1978	EA	5
11074-6.....	0.7913	EA	5
11074-X.....	0.4283	EA	10
11074.....	0.6172	EA	10
11075.....	0.7377	EA	10
11076.....	0.7286	EA	10
11077-1.....	1.2296	EA	5
11077.....	0.8571	EA	10
11078.....	0.4714	EA	10
11079.....	0.6571	EA	10
11080-1.....	0.9117	EA	5
11080-3.....	1.6748	EA	5
11080-4.....	1.2829	EA	5
11080-5.....	0.8330	EA	5
11080-6.....	1.2581	EA	5
11080-7.....	1.2504	EA	5
11080-8.....	2.6606	EA	1
11080.....	0.7571	EA	10
11081.....	0.3156	EA	10
11082.....	0.2317	EA	10
11083-1.....	0.3697	EA	5
11083-2.....	0.4023	EA	5
11083-3.....	0.4198	EA	5
11083-4.....	0.8295	EA	5
11083-5.....	0.2963	EA	5
11083-6.....	0.4937	EA	5
11083-7.....	0.7407	EA	5
11083-8.....	1.8020	EA	2
11083-9.....	1.7278	EA	5
11083.....	1.8660	EA	10
11083A.....	0.2047	EA	10
11084-1.....	2.0882	EA	5
11084-2.....	1.5582	EA	5
11084-3.....	2.6076	EA	5
11084-4.....	2.0776	EA	5
11084-5.....	3.7418	EA	2
11085-1.....	0.6678	EA	5
11085-2.....	2.5334	EA	5
11085.....	0.3208	EA	10
11086-1.....	1.4310	EA	5
11086-2.....	1.5370	EA	5
11086-3.....	1.4734	EA	5
11086-4.....	1.4734	EA	5
11086-5.....	2.7560	EA	2
11087-1.....	0.4467	EA	10
11087-2.....	0.6747	EA	10
11087-3.....	0.8458	EA	10
11087.....	0.3107	EA	10
11088.....	0.4935	EA	10
11089-1.....	0.9137	EA	5
11089-2.....	0.7654	EA	5
11089-3.....	0.6913	EA	5
11089-4.....	1.1024	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
11089-5.....	1.4734	EA	2
11089-6.....	2.3386	EA	2
11089-7.....	1.5633	EA	2
11089.....	0.4198	EA	5
11090-1.....	0.7407	EA	5
11090-2.....	0.9010	EA	5
11090-3.....	1.5158	EA	5
11090-4.....	4.7276	EA	5
11090.....	0.4442	EA	10
11091-1.....	0.9010	EA	5
11091-2.....	0.8480	EA	5
11091-3.....	0.9964	EA	5
11091-4.....	1.5582	EA	5
11091.....	0.6909	EA	5
11092.....	0.3205	EA	10
11095.....	0.1800	EA	10
11096-1.....	0.4442	EA	5
11096-2.....	0.6678	EA	5
11096-3.....	3.2966	EA	5
11096.....	0.3453	EA	10
11097-1.....	0.6665	EA	5
11097-2.....	0.7738	EA	5
11097-3.....	1.2508	EA	5
11097-4.....	3.5192	EA	5
11097-5.....	0.6678	EA	5
11097-6.....	1.1660	EA	5
11097.....	0.9440	EA	5
11097A.....	0.4688	EA	5
11098.....	1.3120	EA	5
11098A.....	75.5568	EA	1
11099-1.....	0.4940	EA	5
11099-10.....	2.3821	EA	2
11099-11.....	2.7044	EA	2
11099-12.....	2.9531	EA	2
11099-13.....	3.1948	EA	2
11099-14.....	3.4470	EA	2
11099-2.....	0.5676	EA	5
11099-3.....	0.5928	EA	5
11099-4.....	0.6409	EA	5
11099-5.....	1.8041	EA	5
11099-6.....	2.0388	EA	5
11099-7.....	2.2069	EA	5
11099-8.....	2.3786	EA	5
11099-9.....	2.5538	EA	5
11099.....	1.4760	EA	5
11099A.....	0.3848	EA	10
110A.....	0.2381	EA	50
111.....	0.7380	EA	10
11100.....	1.4360	EA	5
11100A.....	0.9656	EA	5
11101-1.....	0.9010	EA	5
11101-W.....	0.6347	EA	50
11101-X.....	1.3886	EA	5
11101.....	1.6400	EA	5
11101A.....	0.5165	EA	10
11102.....	0.3915	EA	10
11103.....	0.5090	EA	10
11104.....	0.6264	EA	10
11105.....	0.5638	EA	10
11106.....	0.5599	EA	10
11112.....	0.2956	EA	10
11113.....	0.3205	EA	10
11114-1.....	0.6140	EA	5
11114-3.....	0.8627	EA	5
11114-4.....	1.1101	EA	5
11114-5.....	0.4680	EA	5
11114-6.....	0.6816	EA	5
11114-7.....	1.2657	EA	5
11114-8.....	1.3462	EA	2
11114-X.....	0.5407	EA	10
11114.....	0.3703	EA	10
11115-1.....	0.5730	EA	5
11115-2.....	0.6182	EA	5
11115-3.....	0.8848	EA	5
11115-4.....	1.3822	EA	5
11118.....	3.4340	EA	5
11119.....	5.3742	EA	5
11120.....	1.3738	EA	10
11126.....	0.6120	EA	10
11127.....	0.6120	EA	10
11128-1.....	0.5440	EA	10
11128.....	0.5100	EA	10
11130.....	2.5557	EA	2
11131.....	6.2061	EA	2
11132.....	11.2254	EA	5
11133-1.....	0.6556	EA	10
11134-1.....	3.9432	EA	5
11134-2.....	5.4908	EA	5
11134.....	5.0350	EA	5
11135-1.....	1.6586	EA	5
11135.....	13.3348	EA	1
11136.....	1.9186	EA	5
11137-1.....	5.6004	EA	1
11137-2.....	15.1079	EA	1
11137.....	4.3884	EA	5
11138.....	2.1942	EA	5
11140-X.....	14.0026	EA	1
11141.....	1.9393	EA	5
11142.....	1.8217	EA	5
11145.....	1.6642	EA	5
11146.....	0.0832	EA	5
11147.....	2.5652	EA	5
11148-1.....	0.8388	EA	5
11148-2.....	1.4946	EA	5
11148-A.....	1.4310	EA	5
11148-B.....	2.0458	EA	5
11148-C.....	4.9184	EA	2
11148-D.....	7.6999	EA	2
11148.....	0.9383	EA	5
11149.....	0.8644	EA	5
1115.....	0.2611	EA	50
11151-1.....	4.1240	EA	2
11151-2.....	8.6396	EA	2
11151.....	1.8444	EA	5
11152-1.....	2.1730	EA	5
11152-10.....	3.7133	EA	2
11152-11.....	4.1336	EA	2
11152-12.....	4.5365	EA	2
11152-13.....	4.9814	EA	2
11152-14.....	5.3913	EA	2
11152-2.....	2.5970	EA	2
11152-3.....	1.7702	EA	10
11152-5.....	0.9328	EA	5
11152-6.....	1.6608	EA	5
11152-7.....	2.0564	EA	5
11152-8.....	4.0916	EA	5
11152-9.....	4.7170	EA	5
11152.....	1.6006	EA	5
11153-1.....	2.7324	EA	2
11153-2.....	3.1878	EA	2
11153-3.....	3.6432	EA	2
11153-4.....	4.2037	EA	2
11153-5.....	4.7642	EA	2
11153-6.....	5.4550	EA	2
11153-7.....	5.8852	EA	2
11153-8.....	6.6559	EA	2
11153-9.....	6.9361	EA	2
11153.....	2.2770	EA	2
11154-1.....	3.9235	EA	2
11154-2.....	4.5540	EA	2
11154-3.....	7.6367	EA	2
11154-4.....	6.0253	EA	2
11154-5.....	10.1590	EA	2
11154-6.....	7.4266	EA	2
11154-7.....	8.1972	EA	2
11154-8.....	9.1431	EA	2
11154-9.....	9.9838	EA	2
11154.....	3.1878	EA	5
11156.....	0.2872	EA	10
11157.....	0.5563	EA	10
11158.....	0.5112	EA	10
11159.....	1.0834	EA	10
11160.....	0.1216	EA	25
11161.....	0.1013	EA	25
11162.....	0.1256	EA	25
11163.....	0.1824	EA	25
11165.....	0.0952	EA	25
11166.....	0.1013	EA	25
11167.....	0.1927	EA	20
11168.....	0.2043	EA	20
11169.....	0.2335	EA	20
11170.....	0.2627	EA	20
11171.....	0.3211	EA	20
11172.....	0.6422	EA	10
11175.....	0.2021	EA	20
11176.....	0.3427	EA	20
11178.....	0.5428	EA	5
11179.....	1.0176	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
11181-A.....	2.6076	EA	2
11182-A.....	4.6110	EA	2
11187.....	0.6577	EA	10
11188.....	0.5294	EA	10
11189.....	0.7344	EA	10
11190.....	0.3084	EA	10
11191.....	0.3112	EA	5
11192.....	0.3233	EA	10
11193-1.....	1.3460	EA	5
11193.....	0.5984	EA	5
11196.....	2.0988	EA	10
11197.....	4.1626	EA	5
11198.....	6.0632	EA	5
11199-1.....	14.1978	EA	5
11199.....	5.8759	EA	5
111A.....	1.2741	EA	50
112.....	0.7180	EA	10
11200.....	11.5275	EA	1
11201.....	14.8029	EA	1
11202.....	19.1224	RL	1
11203.....	24.3270	RL	1
11204.....	28.3338	EA	1
11205.....	51.0602	EA	1
11206-1.....	60.7930	RL	1
11206.....	38.3084	RL	1
11207.....	75.0586	RL	1
11208.....	37.2083	RL	1
11209.....	51.0534	RL	1
1121.....	0.2666	EA	50
11210-1.....	145.6440	EA	1
11210.....	133.8462	RL	1
11211.....	14.0484	RL	1
11213.....	18.4490	RL	1
11216-24.....	3.8120	EA	1
11216-36.....	4.2101	EA	1
11216-48.....	4.6922	EA	1
11218.....	1.2296	EA	6
1122.....	0.8222	EA	20
11220.....	1.3356	EA	6
11221.....	1.4946	EA	6
11222.....	1.7596	EA	6
11223.....	2.0458	EA	6
11224.....	2.3108	EA	6
11225.....	2.4274	EA	6
11228.....	1.3674	EA	6
1123.....	1.8022	EA	25
11230.....	1.4204	EA	6
11231.....	1.6642	EA	6
11232.....	1.9928	EA	6
11233.....	2.2366	EA	6
11234.....	2.6500	EA	6
11235.....	2.9362	EA	6
11236-1.....	1.9139	EA	6
11236-2.....	2.1975	EA	6
11236-3.....	2.8827	EA	6
11236-4.....	3.4262	EA	6
11236-5.....	4.0287	EA	6
11236-6.....	4.3359	EA	6
11237-1.....	2.0439	EA	6
11237-2.....	2.5992	EA	6
11237-3.....	3.0127	EA	6
11237-4.....	3.5679	EA	6
11237-5.....	4.2059	EA	6
11237-6.....	4.6549	EA	6
11241.....	31.3423	RL	1
11242N.....	39.8905	RL	1
11243.....	53.4860	RL	1
11244N.....	64.7989	RL	1
11246-1.....	117.9032	EA	1
11246N.....	87.3876	RL	1
11248.....	78.3870	RL	1
11249.....	103.7210	RL	1
1125.....	0.1846	EA	50
11250-1.....	80.0088	RL	1
11250-2.....	105.8304	RL	1
11250-3.....	142.7184	RL	1
11250-4.....	122.6493	RL	1
11250-5.....	131.9469	RL	1
11250-6.....	122.1795	RL	1
11250.....	53.4240	RL	1
11253.....	68.6138	RL	1
11254.....	260.5904	RL	1
11255.....	107.8126	RL	1
1126.....	0.7896	EA	20
11260.....	1.5794	EA	5
11261.....	1.7596	EA	5
11262.....	2.3320	EA	5
11263.....	2.5864	EA	5
11264.....	3.0422	EA	5
11265.....	3.4450	EA	5
11270.....	1.9610	EA	5
11271.....	2.3850	EA	5
11272.....	2.7030	EA	5
11273.....	3.5404	EA	5
11274.....	4.2612	EA	5
11275.....	4.7700	EA	5
11276.....	42.5934	EA	1
11277.....	60.3407	EA	1
11278.....	80.8183	EA	1
11279.....	131.0567	EA	1
11280.....	22.9914	RL	1
11281.....	33.7292	RL	1
11282.....	41.2870	RL	1
11283-1.....	131.0567	EA	1
11283-2.....	206.9604	EA	1
11283-3.....	356.5834	EA	1
11283.....	49.8200	EA	1
11284.....	195.2199	EA	1
11285-1.....	5.9724	EA	1
11285N.....	20.6064	RL	1
11286.....	27.3692	RL	1
11287N.....	33.3688	RL	1
11288N.....	56.3602	RL	1
11289.....	28.1218	RL	1
11290.....	28.1112	RL	1
11291.....	37.7042	RL	1
11292.....	49.6928	RL	1
11293.....	10.7908	RL	1
11294.....	16.6632	RL	1
11295.....	82.1394	RL	1
112A.....	0.7218	EA	25
113.....	0.7800	EA	10
11300.....	0.3904	EA	5
11301.....	0.3959	EA	5
11302.....	0.6665	EA	5
11303.....	0.3695	EA	5
11304.....	0.4439	EA	5
11305.....	0.4431	EA	5
11306.....	0.3986	EA	5
11307-1.....	2.3470	EA	5
11307.....	0.5526	EA	5
11308.....	0.4937	EA	5
11309.....	0.6911	EA	5
11310.....	0.9211	EA	5
11311.....	2.3123	EA	5
11312.....	0.7122	EA	5
11313.....	1.0124	EA	5
11314.....	1.0122	EA	5
11315.....	1.3809	EA	5
11316.....	3.1101	EA	5
11317.....	4.6235	EA	5
11320.....	0.4692	EA	5
11321.....	0.6413	EA	5
11322.....	1.0165	EA	5
11323.....	0.7796	EA	5
11324.....	0.6667	EA	5
11325.....	0.8732	EA	5
11326.....	1.1359	EA	5
11327.....	1.8629	EA	5
11330-1.....	5.0350	EA	1
11330.....	11.0240	EA	1
11331-1.....	7.8016	EA	1
11331.....	16.8858	EA	1
11332-1.....	8.9040	EA	1
11332.....	20.2248	EA	1
11333-1.....	13.1970	EA	1
11333.....	29.9980	EA	1
11334-1.....	22.1312	EA	1
11334.....	46.3785	EA	1
11335.....	3.0167	EA	5
11336.....	4.0008	EA	5
11337.....	4.0714	EA	5
1135.....	0.4465	EA	50
11351.....	0.1406	EA	25
11354.....	0.3011	EA	25
11355.....	0.1159	EA	25
11356.....	0.1622	EA	25
11357.....	0.2085	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
11358	0.4864	EA	10
1136	0.6412	EA	50
11360	11.2800	EA	2
11361	12.1000	EA	2
11362	12.6100	EA	2
11363	12.6100	EA	2
11364	12.8100	EA	2
11365	12.8100	EA	2
11366	12.9200	EA	2
11367	13.4300	EA	2
11368	0.2132	EA	50
1137	0.3076	EA	50
1138	0.3685	EA	50
11384	1.2999	EA	5
11385	2.3274	EA	5
11386	2.5413	EA	5
11392	116.8600	EA	1
113A	0.4657	EA	25
114	0.9220	EA	10
11400	0.0518	EA	25
11401	0.0740	EA	25
11402	0.0500	EA	25
11403	0.0761	EA	25
11405	0.2664	EA	50
11405A	0.3208	EA	25
11406	0.3457	EA	25
11407	0.2321	EA	25
11408	0.5433	EA	25
11410	1.2508	EA	5
11411	1.5370	EA	5
11412	1.7596	EA	5
11413	2.8196	EA	5
11415	0.8480	EA	5
11416	1.4522	EA	5
11417	1.1978	EA	5
11418	1.5158	EA	5
11419	5.1616	EA	5
11420	0.8268	EA	5
11421	1.1024	EA	5
11422	3.2532	EA	5
11423	1.0176	EA	5
11424	1.2508	EA	5
11425	0.6890	EA	5
11426	1.2296	EA	5
11427	1.6006	EA	5
11428	1.8868	EA	5
1143	0.8196	EA	25
11430	2.6606	EA	5
11431	2.8620	EA	5
11432	3.2966	EA	5
11433	5.0456	EA	5
11435	1.0600	EA	5
11436	1.0812	EA	5
11437	2.7030	EA	5
11438	1.3674	EA	5
11439	1.5158	EA	5
11440	1.4522	EA	5
11441	3.5342	EA	5
11442	2.3532	EA	5
11445	2.0776	EA	5
11446	3.0210	EA	5
11447	2.8196	EA	5
11448	2.9680	EA	5
11449	10.9898	EA	5
11455	4.6996	EA	2
11456	7.5188	EA	2
11463	1.0824	EA	25
11464	1.6000	EA	10
11465	1.6400	EA	10
11466	2.3160	EA	10
11467	2.3160	EA	10
11468	2.8700	EA	10
11470-1	4.0347	EA	5
11470-2	5.6138	EA	5
11470-3	7.2488	EA	2
11470-4	14.7375	EA	2
11470-5	19.4752	EA	2
11470	3.6881	EA	5
11471-1	6.2987	EA	5
11471-2	14.8513	EA	5
11471-3	6.2900	EA	5
11471	5.5859	EA	5
11472-1	5.2004	EA	5
11472-2	4.7498	EA	5
11472-3	6.8541	EA	2
11472-4	12.7898	EA	2
11472-5	12.7898	EA	2
11472	5.0033	EA	5
11473-1	6.5522	EA	5
11473-2	5.3694	EA	5
11473-3	5.7831	EA	5
11473-4	5.6704	EA	5
11473-5	5.7636	EA	5
11473-6	6.6930	EA	5
11473-7	7.3892	EA	2
11473-8	7.8116	EA	2
11473-9	14.2326	EA	2
11473	5.4820	EA	5
11475-1	3.6515	EA	5
11475-10	9.4450	EA	2
11475-2	2.4687	EA	5
11475-3	2.7979	EA	5
11475-4	3.0795	EA	5
11475-5	2.8630	EA	5
11475-6	3.3135	EA	5
11475-7	3.9188	EA	2
11475-8	4.0795	EA	2
11475-9	8.6218	EA	2
11475	2.4124	EA	5
11476-1	6.7344	EA	5
11476-2	6.0387	EA	5
11476-3	8.4663	EA	2
11476-4	15.8897	EA	2
11476-5	22.4557	EA	2
11476	5.9274	EA	5
11479-1	7.7129	EA	5
11479-2	8.0567	EA	5
11479-3	11.2036	EA	5
11479-4	9.0087	EA	5
11479-5	11.3488	EA	2
11479-6	11.5792	EA	2
11479	7.5013	EA	5
11480-1	6.4089	EA	5
11480-2	7.9774	EA	5
11480-3	7.1576	EA	5
11480-4	8.9029	EA	5
11480-5	11.3285	EA	2
11480-6	18.9385	EA	2
11480	6.9724	EA	5
115	0.1533	EA	25
1150	0.1963	EA	25
1151	0.3058	EA	25
1153	0.3563	EA	25
11543-32-32	214.3800	EA	1
1155	0.1209	EA	25
1156LL	0.9646	EA	10
1157	0.5100	EA	25
11571-20-16	103.9100	EA	1
11572	0.5024	EA	5
11573	0.5416	EA	5
11574	0.8594	EA	5
11575	0.9222	EA	5
11576	0.7842	EA	5
11577	1.0600	EA	5
11578	1.6657	EA	5
11579	1.6643	EA	5
1157LL	0.9646	EA	10
1158	0.8149	EA	25
11580	1.6914	EA	5
11581	1.5157	EA	5
11582	0.9964	EA	5
11583	1.0388	EA	5
11584	1.0600	EA	5
11585	4.0143	EA	5
11586	1.8868	EA	5
1159	0.2814	EA	50
11594	0.9373	EA	5
11595	1.1064	EA	5
11596	1.2594	EA	5
11597	2.5419	EA	5
11598	2.4682	EA	5
115A	1.6400	EA	10
116	1.7220	EA	10
1160	0.4899	EA	25
11600	0.5864	EA	50
11601	0.5328	EA	25
11602	0.6480	EA	25
11603	0.2912	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
11603A	3.6054	EA	5
11604	0.2748	EA	50
11604A	5.7050	EA	5
11605	0.4184	EA	50
11605A	7.7208	EA	5
11606	0.4100	EA	50
11607	131.0902	EA	1
11609	221.2326	EA	1
1160S	1.3376	EA	12
11610	131.0902	EA	1
11611	178.3556	EA	1
11612	221.2326	EA	1
11613	131.0902	EA	1
11614	178.3556	EA	1
11617	178.3556	EA	1
11619	47.8908	EA	1
1162	0.3614	EA	25
11620	47.8908	EA	1
11621	47.8908	EA	1
11622	53.7655	EA	1
11624	131.0902	EA	1
11625	178.3556	EA	1
11626	229.2840	EA	1
11627-1	84.9931	RL	1
11627	167.7460	RL	1
11628-1	87.4250	RL	1
11628	174.2246	RL	1
11629-1	102.5573	RL	1
11629	204.1954	RL	1
11630-1	110.4986	RL	1
11630	220.0891	RL	1
11631-1	132.6968	RL	1
11631	265.8770	RL	1
11632-1	162.9483	RL	1
11632	324.5330	RL	1
11633-1	178.0848	RL	1
11633	352.8388	RL	1
11644	2.5531	EA	4
11645	2.8344	EA	1
11646	3.4402	EA	2
11648	4.8250	EA	2
11649	6.1665	EA	1
11650	9.0225	EA	1
11652	11.8201	EA	1
11654	4.2841	EA	1
11655	4.8683	EA	2
11656-1	35.2980	RL	1
11656-2N	449.2009	RL	1
11656	50.2650	RL	1
11657-1	41.4036	RL	1
11657-2	417.1800	RL	1
11657	53.0392	RL	1
11658-1	83.4130	RL	1
11658-2	106.8837	RL	1
11658-3	307.6568	RL	1
11658	84.4608	RL	1
11660-B	49.2648	EA	1
11660-G	61.7344	EA	1
11660-R	49.2648	EA	1
11661-250B	295.8392	EA	1
11661-250R	315.3323	EA	1
11661-500G	592.6311	EA	1
11661-B	62.8032	EA	1
11661-G	72.7690	EA	1
11661-R	62.8032	EA	1
11662-250B	371.7164	EA	1
11662-250R	358.2500	EA	1
11662-B	74.0852	EA	1
11662-G	90.7254	EA	1
11662-R	74.0852	EA	1
11663-250R	458.3063	EA	1
11663-B	97.6598	EA	1
11663-G	116.3300	EA	1
11663-R	97.6598	EA	1
11664-250B	586.3163	EA	1
11664-G	134.8826	EA	1
11664-R	113.2348	EA	1
11671-12-12	71.1740	EA	2
11671-20-16	121.6312	EA	1
11671-20-20	144.3226	EA	1
11679-3	0.7102	EA	10
11680	0.5867	EA	5
11681	0.7102	EA	5
11682	1.0706	EA	5
11683-1	1.8868	EA	5
11683	1.3462	EA	5
11684	1.0657	EA	5
11685	0.7314	EA	5
11686	0.6996	EA	5
11687	1.0812	EA	5
11688	1.5697	EA	5
11689	1.0282	EA	5
11690	1.3674	EA	5
11691-2	6.4619	EA	2
11691	2.0776	EA	5
11692-1	5.8563	EA	5
11692	1.3992	EA	5
11693-1	2.1514	EA	5
11693	1.5158	EA	5
11694	0.6254	EA	5
11695	0.8798	EA	5
11696-1	6.2950	EA	5
11696	1.3780	EA	5
11697	4.3634	EA	5
116A	0.4140	EA	25
117	1.0257	EA	25
11709	9.9874	EA	1
11710	24.4542	EA	1
11712	45.3000	EA	1
11719	0.1844	EA	50
11724	1.4140	EA	10
11725	1.7220	EA	10
11726	2.1940	EA	10
11727	2.3360	EA	5
11728	2.7880	EA	5
11729	3.2400	EA	5
11731	5.6400	EA	2
1174	0.3362	EA	25
11740	4.5612	EA	2
11741	4.8549	EA	2
11742	5.6771	EA	2
11743-32-32	259.8934	EA	1
11743-8-8	54.2619	EA	2
11743	10.8451	EA	2
11744	4.8999	EA	2
11747	4.4340	EA	1
11748	4.7820	EA	1
11752	4.3529	EA	1
11763	4.4174	EA	1
11764	5.3086	EA	1
11765	5.5142	EA	1
11766	5.5371	EA	1
11767	5.1289	EA	1
11768	5.2896	EA	1
11769	5.4504	EA	1
11770	6.2460	EA	1
11775	1.4140	EA	10
11775A	3.5859	EA	1
11776	1.4140	EA	10
11776A	4.3390	EA	1
11777	1.3940	EA	10
11777A	4.2770	EA	1
11778	0.9640	EA	10
11778A	5.2994	EA	1
11779	1.5380	EA	10
11779A	5.3786	EA	1
11780	1.5380	EA	10
11780A	5.2414	EA	1
1180	0.9299	EA	25
11800	1.7992	EA	5
11801	1.6493	EA	5
11802	1.8492	EA	5
11803	1.9717	EA	5
11804	1.6993	EA	5
11806	1.6493	EA	5
11807	1.9492	EA	5
11808	1.8492	EA	5
11809	1.8992	EA	5
1181	0.9396	EA	10
11811	3.9983	EA	5
11812	3.9983	EA	5
11813	4.5981	EA	5
11814	4.9979	EA	5
11827	0.4140	EA	50
11828	0.4224	EA	50
11829	0.5744	EA	25
11830	0.5656	EA	25
11850	0.4982	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
11851.....	0.5194	EA	10
11852.....	0.8586	EA	10
11853.....	0.6466	EA	10
11854.....	0.9010	EA	10
11855.....	1.5000	EA	5
11856.....	0.8374	EA	10
11857.....	0.7738	EA	10
11858.....	0.9010	EA	10
11860.....	2.4698	EA	5
11862.....	0.3286	EA	10
11863.....	0.4028	EA	10
11864.....	1.7396	EA	10
11866.....	0.6784	EA	10
11867.....	1.0388	EA	10
11868.....	1.2296	EA	10
11870.....	0.6996	EA	10
11871-1.....	3.4494	EA	10
11871-12-12.....	81.9566	EA	1
11871.....	1.0494	EA	10
11873.....	0.6678	EA	10
11874.....	2.8067	EA	10
11875.....	1.4840	EA	10
1189.....	0.2457	EA	25
119.....	2.2560	EA	5
1190.....	0.3102	EA	50
11902.....	1.8889	EA	5
11903.....	2.1465	EA	2
11904.....	2.2839	EA	2
11905-1.....	3.2970	EA	2
11905.....	2.6101	EA	2
11906.....	3.3829	EA	2
11907.....	3.9496	EA	2
11908.....	4.5506	EA	2
11909.....	8.7234	EA	1
11910.....	7.7446	EA	1
11917.....	4.2192	EA	2
11918.....	4.0028	EA	2
11919.....	6.5992	EA	2
1192.....	0.1559	EA	25
11920.....	5.4166	EA	4
11922.....	9.1523	EA	2
11924.....	12.2680	EA	1
11925.....	3.4426	EA	2
1193.....	0.9473	EA	25
11932-1.....	3.8122	EA	1
11932.....	2.5930	EA	2
11933-1.....	3.6576	EA	2
11933.....	2.8334	EA	2
11934.....	3.1253	EA	2
11935.....	4.2157	EA	2
11936.....	5.0314	EA	2
11937.....	8.8264	EA	1
11939.....	9.8224	EA	1
1194.....	0.3288	EA	25
11943-24-24.....	165.0407	EA	1
11943-32-32.....	241.0779	EA	1
11944.....	6.8908	EA	1
11945.....	8.2024	EA	1
11946.....	8.6125	EA	1
11947.....	12.2351	EA	1
1195.....	0.3458	EA	50
11951.....	10.7473	EA	2
11952.....	8.1241	EA	2
11953.....	5.1877	EA	2
11954.....	6.3622	EA	2
11955.....	9.6119	EA	1
11956.....	7.7913	EA	2
11957.....	8.1045	EA	2
11958.....	9.0246	EA	1
11959.....	8.8288	EA	2
1196.....	0.2621	EA	25
11960.....	10.7277	EA	2
11961.....	9.5336	EA	1
11963.....	11.4716	EA	1
11964.....	11.8240	EA	1
1197.....	0.3190	EA	25
11971-12-10.....	143.6179	EA	1
11971-12-8.....	49.7518	EA	2
11971-24-16.....	152.2152	EA	1
11971-8-8.....	68.8492	EA	2
11978.....	7.2236	EA	2
11979.....	8.9854	EA	1
1198.....	0.3197	EA	25
1199.....	0.3677	EA	25
119A.....	0.6836	EA	25
12-THHNSOL-BLK..	63.3668	RL	1
12-THHNSOL-BLU..	57.3476	RL	1
12-THHNSOL-BRW..	57.3476	RL	1
12-THHNSOL-GRN..	63.3668	RL	1
12-THHNSOL-GRY..	57.3476	RL	1
12-THHNSOL-ORG..	57.3476	RL	1
12-THHNSOL-PNK..	57.3476	RL	1
12-THHNSOL-PUR..	57.3476	RL	1
12-THHNSOL-RED..	63.3668	RL	1
12-THHNSOL-WHT..	63.3668	RL	1
12-THHNSOL-YEL..	57.3476	RL	1
120-07542.....	6.7946	EA	10
120-07543.....	6.7946	EA	10
120-07544.....	6.7946	EA	10
120-07577.....	61.2147	EA	5
120-15012.....	18.2108	EA	1
120-24241.....	24.6980	EA	10
120-24242.....	24.6980	EA	10
120-24243.....	24.6980	EA	10
120-60213.....	21.8360	EA	1
120-60218.....	16.5042	EA	1
120-60220.....	16.8010	EA	1
120-60222.....	27.6342	EA	1
120-60232.....	38.8172	EA	1
120-60234.....	43.7250	EA	1
120-60240.....	67.1192	EA	1
120-70035.....	68.8048	EA	1
120-70042.....	63.2946	EA	1
120-70075.....	84.2390	EA	1
120-70218.....	15.4919	EA	10
120-70220.....	17.7998	EA	10
120-71990.....	28.7896	EA	5
120-71995.....	9.1451	EA	25
120-71997.....	15.6456	EA	25
120-71999.....	9.0948	EA	25
120-72803.....	48.9000	EA	1
120-74032.....	103.8563	EA	1
120-74093.....	194.7016	EA	1
120.....	2.2960	EA	5
1200.....	3.8478	PR	6
120130.....	2.8000	EA	1
120142.....	0.7718	EA	1
12015899.....	0.2366	EA	25
120176-25.....	0.4172	EA	25
120176.....	0.4876	EA	5
120177-2.....	0.7632	EA	5
120177-25.....	0.3950	EA	25
120177.....	0.4876	EA	5
120178-25.....	0.4172	EA	25
120178.....	0.4876	EA	5
120179.....	0.5173	EA	5
120180-25.....	0.3894	EA	25
120180.....	0.4283	EA	5
120181.....	1.2191	EA	2
120182.....	1.2516	EA	2
120183.....	1.2516	EA	2
120184-10.....	0.7788	EA	10
120184.....	0.8586	EA	2
120185-10.....	0.7232	EA	10
120185.....	0.7950	EA	2
120186-10.....	1.0013	EA	10
120186.....	1.0070	EA	2
120187.....	1.2296	EA	2
120188.....	1.1978	EA	2
120189.....	1.4310	EA	2
120190.....	1.8338	EA	1
120191.....	1.7245	EA	1
120192.....	2.0305	EA	1
120193.....	1.8338	EA	1
120194.....	2.0352	EA	1
120195.....	3.0528	EA	1
120198.....	0.9752	EA	3
120199.....	0.7632	EA	3
1201S.....	3.6676	PR	12
120200.....	0.7632	EA	3
120201.....	0.7632	EA	3
120202.....	0.7632	EA	3
120203.....	0.7632	EA	3
120204.....	1.1978	EA	2
120205.....	1.3674	EA	2
120208.....	0.6042	EA	2
120209-25.....	0.4818	EA	25
120209.....	0.6042	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
120210	0.6042	EA	2
120211	0.8586	EA	2
120212-10	0.8361	EA	10
120212	0.8586	EA	2
120213	0.8586	EA	2
120214	1.7245	EA	1
120215	1.4310	EA	1
120216	2.5970	EA	1
120218	4.4308	EA	1
120219	2.1094	EA	1
120220	2.1094	EA	1
120221	1.8020	EA	1
120222	1.8020	EA	1
120223	1.8020	EA	1
120224	1.8020	EA	1
120225	1.8656	EA	1
120226	1.8020	EA	1
120227	1.8020	EA	1
120228	2.4691	EA	1
120229	2.5116	EA	1
120230	2.5116	EA	1
120231	3.4295	EA	1
120240-10	2.5498	EA	10
120240	2.9362	EA	1
120241-10	2.7723	EA	10
120241	3.1588	EA	1
120242-10	3.4398	EA	10
120242	3.8902	EA	1
120243	6.9960	EA	1
120244-10	3.1339	EA	10
120244	3.5722	EA	1
120245-10	3.4398	EA	10
120245	3.8902	EA	1
120246-10	4.3021	EA	10
120246	4.8866	EA	1
120247	6.7946	EA	1
120248	7.4942	EA	1
120249	5.9572	EA	1
120250	10.1453	EA	1
120251	6.0635	EA	1
120255	31.2078	EA	1
120256	18.2184	EA	1
120257	11.2926	EA	1
120260	4.2143	EA	1
120261	8.1774	EA	1
120262	4.2143	EA	1
12038	4.0794	EA	10
12039-1	5.6688	EA	10
12039	2.4976	EA	10
1205	0.1163	EA	50
1206	0.4670	EA	25
1209	0.1402	EA	50
120A	0.9075	EA	25
121	2.2560	EA	5
1211	0.1273	EA	50
12111	0.8268	EA	5
12112	2.3234	EA	5
12113	0.8268	EA	5
12114	2.3234	EA	5
12115	0.8268	EA	5
12116	0.8268	EA	5
12117	2.8900	EA	5
12118	1.1236	EA	5
12119	1.1236	EA	5
12120	4.2501	EA	5
12121	1.8656	EA	5
12122	1.8656	EA	5
12123	2.5546	EA	2
12124	2.5546	EA	2
12125	3.4874	EA	2
12126	3.1270	EA	2
12127	6.2010	EA	2
12128-1	1.9080	EA	5
12128-2	1.9080	EA	5
12128-3	1.9080	EA	5
12128-4	2.6606	EA	5
12128-5	4.1234	EA	5
12128-6	4.8124	EA	2
12128-7	6.9218	EA	2
12128-8	10.8438	EA	2
12128	1.9080	EA	5
12129-1	1.5370	EA	5
12129-2	1.5370	EA	5
12129-3	1.5370	EA	5
12129-4	2.1518	EA	5
12129-5	3.6252	EA	5
12129-6	6.0314	EA	2
12129-7	8.1196	EA	2
12129-8	10.2608	EA	2
12129	1.5370	EA	5
12131	7.6086	EA	5
12132	7.6086	EA	5
12133	7.6086	EA	5
12134	7.6086	EA	5
12135	7.6086	EA	5
12136	9.1159	EA	5
12137	0.1436	EA	5
12138	13.1356	EA	5
12139	13.1356	EA	5
12140	20.3852	EA	2
12141	23.2564	EA	2
12142	33.5208	EA	2
12144-1	5.7028	EA	5
12144-2	5.4908	EA	5
12144-3	5.6816	EA	5
12144-4	6.4872	EA	3
12144-5	9.0206	EA	3
12144-6	18.8456	EA	2
12144-7	18.7726	EA	2
12144-8	25.8640	EA	2
12144	0.3776	EA	25
12144A	15.7196	EA	5
12145-1	4.4202	EA	5
12145-2	4.3884	EA	5
12145-3	4.4202	EA	5
12145-4	5.3742	EA	3
12145-5	10.5682	EA	3
12145-6	16.5890	EA	2
12145-7	21.7512	EA	2
12145-8	32.3936	EA	2
12145	0.4672	EA	25
12145A	4.4202	EA	5
12146-1	6.4448	EA	5
12146-2	6.4448	EA	5
12146-3	6.4448	EA	5
12146-4	8.2574	EA	3
12146-5	10.5576	EA	3
12146-6	16.9070	EA	2
12146-7	22.5992	EA	2
12146-8	32.3936	EA	2
12146	0.4672	EA	25
12146A	6.4448	EA	5
12147-1	0.5928	EA	5
12147-2	0.7208	EA	5
12147-3	0.7314	EA	5
12147-4	1.1342	EA	5
12147-5	1.7066	EA	5
12147-6	4.6890	EA	2
12147-7	3.5298	EA	2
12147-8	6.9960	EA	2
12147	0.5088	EA	25
12147A	0.5932	EA	5
12148-1	0.8142	EA	5
12148-2	0.9010	EA	5
12148-3	0.9010	EA	5
12148-4	1.1978	EA	5
12148-5	1.8126	EA	5
12148-6	2.9256	EA	2
12148-7	4.0386	EA	2
12148-8	6.6886	EA	2
12148	0.4840	EA	25
12148A	0.7409	EA	5
12149-1	5.7452	EA	5
12149-2	5.7770	EA	5
12149-3	6.8900	EA	5
12149-4	8.4694	EA	3
12149-5	10.7484	EA	3
12149-6	28.2184	EA	2
12149-7	24.4648	EA	2
12149-8	32.4148	EA	2
12149	0.4672	EA	25
12149A	5.7770	EA	5
1215	0.1052	EA	25
12150-1	6.5084	EA	3
12150-2	6.5084	EA	3
12150-3	6.5084	EA	3
12150-4	7.7274	EA	2
12150-5	10.2078	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
12150-6.....	17.1932	EA	2
12150-7.....	18.7620	EA	1
12150-8.....	22.8112	EA	1
12150.....	0.6815	EA	25
12150A.....	6.4872	EA	3
12151.....	0.7835	EA	25
12152.....	0.5744	EA	25
12153.....	0.6400	EA	25
12154.....	0.3528	EA	25
12155-1.....	8.1632	EA	5
12155-2.....	8.1632	EA	5
12155-3.....	5.8728	EA	5
12155-4.....	6.7537	EA	5
12155-5.....	10.2187	EA	5
12155-6.....	11.8631	EA	2
12155-7.....	16.0328	EA	2
12155-8.....	24.7833	EA	2
12155.....	0.3448	EA	25
12155A.....	7.6934	EA	5
12156-1.....	9.4030	EA	5
12156-2.....	9.4030	EA	5
12156-3.....	5.6705	EA	5
12156-4.....	7.4650	EA	5
12156-5.....	8.6135	EA	5
12156-6.....	14.2840	EA	2
12156-7.....	18.1601	EA	2
12156-8.....	28.2091	EA	2
12156.....	0.4104	EA	25
12156A.....	9.4030	EA	5
12157.....	0.4016	EA	25
12157A.....	24.6920	EA	5
12158.....	0.5744	EA	25
12158A.....	24.6920	EA	5
12159.....	0.3448	EA	25
12159A.....	24.6920	EA	5
1216.....	0.3894	EA	50
12160.....	16.9398	EA	5
12161.....	1.1680	EA	10
12161A.....	17.2270	EA	5
12162.....	0.5496	EA	25
12162A.....	19.5957	EA	5
12163.....	0.4672	EA	25
12163A.....	19.5957	EA	5
12164.....	0.4672	EA	25
12164A.....	21.3901	EA	5
12165.....	0.3608	EA	25
12165A.....	21.3901	EA	5
12166.....	38.4017	EA	2
12167.....	41.1293	EA	2
12168.....	45.4361	EA	2
12169.....	45.4361	EA	2
1217.....	0.2763	EA	25
12170-1.....	14.2840	EA	5
12170-2.....	7.9963	EA	5
12170-3.....	7.1927	EA	5
12170-4.....	8.6392	EA	3
12170-5.....	11.2109	EA	3
12170-6.....	15.0684	EA	2
12170-7.....	18.2428	EA	2
12170-8.....	31.5834	EA	2
12170.....	14.2840	EA	5
12171-1.....	6.8712	EA	5
12171-2.....	6.8712	EA	5
12171-3.....	6.8712	EA	5
12171-4.....	6.4694	EA	3
12171-5.....	9.0411	EA	3
12171-6.....	15.0684	EA	2
12171-7.....	18.6849	EA	2
12171-8.....	28.2885	EA	2
12171.....	6.8712	EA	5
1218.....	0.2463	EA	25
121810.....	4.1658	EA	25
12195-1.....	1.9928	EA	10
12195.....	1.9398	EA	2
12196-1.....	2.4168	EA	10
12196.....	3.9962	EA	10
12197-1.....	3.0528	EA	10
12197-2.....	3.3814	EA	10
12198-1.....	8.2796	EA	5
12198-2.....	8.2796	EA	5
12198-3.....	8.2796	EA	5
12198-4.....	10.3496	EA	3
12198-5.....	13.1376	EA	3
12198-6.....	20.6569	EA	2
12198-7.....	29.4857	EA	2
12198-8.....	41.4405	EA	2
12198.....	8.2796	EA	5
12199-1.....	20.9416	EA	5
12199-2.....	20.9416	EA	3
12199-3.....	21.3661	EA	3
12199-4.....	23.7715	EA	2
12199-5.....	30.4927	EA	2
12199-6.....	48.8873	EA	2
12199-7.....	50.3730	EA	1
12199-8.....	71.5976	EA	1
12199.....	21.3661	EA	5
121A.....	0.1258	EA	25
122.....	2.5840	EA	5
12200.....	2.7819	EA	10
12202.....	3.3108	EA	10
12204.....	5.3508	EA	10
12205.....	7.2363	EA	10
12206.....	7.8579	EA	10
12208.....	8.5173	EA	10
1221.....	0.4050	EA	50
12212.....	6.2781	EA	10
12214.....	6.3159	EA	10
12215.....	7.4630	EA	10
12216.....	8.5723	EA	10
12218.....	9.0359	EA	10
12220.....	5.3817	EA	10
12221.....	5.2886	EA	5
12222.....	8.4795	EA	10
1223.....	0.7804	EA	25
12230.....	5.4779	EA	10
12231.....	5.5874	EA	10
12232.....	8.3284	EA	10
12233.....	10.8767	EA	10
122330.....	6.4236	EA	10
12237.....	4.8703	EA	1
1224.....	0.3981	EA	50
12243.....	3.7533	EA	10
12244-1.....	5.1216	EA	10
12244-2.....	5.3211	EA	10
12245.....	3.8431	EA	10
12246.....	6.4292	EA	10
12247.....	8.7646	EA	10
1225.....	0.6403	EA	25
12250.....	5.0005	EA	10
12251.....	7.4973	EA	10
12252.....	9.9941	EA	10
1226.....	0.6403	EA	25
1227.....	1.0149	EA	25
1228.....	0.4950	EA	25
123.....	2.5840	EA	5
12300.....	201.5101	EA	1
12301.....	211.8778	EA	1
12310-3.....	269.0166	EA	1
12310.....	134.6886	EA	1
12312-3.....	7.4338	EA	5
12313-1.....	3.7126	EA	5
12314-2.....	5.2299	EA	5
12314.....	4.8415	EA	5
12315.....	9.3400	EA	2
12316.....	9.3400	EA	2
12317.....	10.1764	EA	2
12318.....	9.3400	EA	2
12320.....	5.5353	EA	1
12321.....	6.4418	EA	1
12322.....	5.9899	EA	1
12323.....	1.8550	EA	1
12324.....	1.8444	EA	1
12325.....	1.7278	EA	1
12326.....	1.6218	EA	1
12327.....	1.7172	EA	1
12328.....	4.3722	EA	1
12329.....	4.2794	EA	1
1233.....	0.3657	EA	25
12330.....	3.0740	EA	1
12331.....	2.9349	EA	1
12332.....	4.7894	EA	1
12333.....	5.1140	EA	1
12334.....	5.2749	EA	1
12335.....	5.3922	EA	1
12336.....	5.4430	EA	1
12337.....	5.9595	EA	1
12338.....	5.1201	EA	1
12339.....	5.8304	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
1234	0.4277	EA	25
12340	5.0859	EA	1
12341	2.2366	EA	1
12342	2.3850	EA	1
12343	1.5834	EA	2
12344	2.2190	EA	2
12345	2.1861	EA	2
12346	2.6818	EA	1
12347	3.2966	EA	1
12348	2.6818	EA	1
12349	3.2966	EA	1
1235	0.2463	EA	25
12350	3.5510	EA	1
12351	0.1272	EA	10
12352-1	2.6538	EA	5
12352	1.9598	EA	5
12353-1	5.2851	EA	5
12353	4.7261	EA	5
12354	6.5368	EA	5
12355	5.9904	EA	1
12356	3.6370	EA	5
12357	6.5535	EA	5
12358	1.9398	EA	5
12359-1	10.6994	EA	2
12359	4.3430	EA	2
12360-1	7.8557	EA	2
12360	1.3674	EA	5
12361-1	1.9398	EA	10
12361	1.4522	EA	10
12362-1	2.6240	EA	5
12362-2	5.4655	EA	5
12362	2.7994	EA	5
12363-1	3.1339	EA	5
12363	2.9082	EA	5
12364-1	8.3525	EA	2
12364	2.9499	EA	5
12365	3.0805	EA	5
12366	2.7200	EA	5
12367	3.6721	EA	5
12368	3.4823	EA	5
123690	1.8153	EA	10
12370-1	634.5977	EA	1
12370	93.6086	RL	1
12371-1	746.5121	EA	1
12371	111.1304	RL	1
12372-1	845.7849	EA	1
12372	127.7724	RL	1
12373-1	1032.8615	EA	1
12373	153.8272	RL	1
12374-1	1341.8888	EA	1
12374	199.4072	RL	1
12375-1	1760.4734	EA	1
12375	171.4286	RL	1
12376-1	2.4858	EA	5
12376	346.7143	RL	1
12377-1	3.3575	EA	5
12377	1.1429	EA	5
12378-1	4.2937	EA	5
12378	1.6960	EA	5
12379	5.1931	EA	2
12381	1.8489	EA	6
1239	0.5493	EA	10
12392	2.6319	EA	5
12393	3.0234	EA	5
12394	3.0452	EA	5
12395	4.1980	EA	5
12399-1	3.5350	EA	5
12399-2	10.3544	EA	2
12399	8.2735	EA	5
123A	0.2771	EA	50
124	2.7080	EA	5
12400	731.4102	RL	1
12401	841.0006	RL	1
12402	383.7482	RL	1
12403	464.6392	RL	1
12404	561.1514	RL	1
12405	1034.7516	RL	1
12406	1236.6160	RL	1
12407	1942.2331	RL	1
12412	19.8284	EA	2
12417	7.5209	EA	5
12419	33.1037	EA	1
1242	0.4889	EA	50
12420	42.0950	EA	1
12425	18.9927	EA	2
12428	20.8782	EA	2
1243	0.6151	EA	50
12430	39.7308	EA	1
12431	35.4546	EA	1
12433	55.3597	EA	1
12437	33.5427	EA	1
12438	57.9751	EA	1
1244	0.3610	EA	25
12441	34.1658	EA	1
12442	57.8710	EA	1
1244288	2.6091	EA	1
12443-1	9.5134	EA	2
12443-2	15.3014	EA	2
12443-3	14.3753	EA	1
12443-4	23.3205	EA	1
12443-5	22.6049	EA	1
12443-6	20.3316	EA	2
12443-7	14.8366	EA	2
12443-8	34.2341	EA	1
12443-9	40.0314	EA	1
12444-1	10.7016	EA	2
12444-10	32.4554	EA	2
12444-11	27.2372	EA	2
12444-12	46.6958	EA	1
12444-13	48.9879	EA	1
12444-14	46.1838	EA	1
12444-2	12.4634	EA	2
12444-3	16.2046	EA	2
12444-4	14.2688	EA	1
12444-5	32.4963	EA	1
12444-6	19.0571	EA	1
12444-7	79.8209	EA	1
12444-8	28.1638	EA	2
12444-9	46.2569	EA	1
12445-1	17.3499	EA	2
12445-10	40.9660	EA	1
12445-11	47.5046	EA	1
12445-12	20.1359	EA	2
12445-13	22.7701	EA	2
12445-14	28.7528	EA	2
12445-15	25.8061	EA	1
12445-16	35.3159	EA	1
12445-17	44.0177	EA	1
12445-18	50.7639	EA	1
12445-2	19.0067	EA	2
12445-3	23.0795	EA	1
12445-4	27.6126	EA	1
12445-5	32.2331	EA	1
12445-6	37.0757	EA	1
12445-7	19.5555	EA	2
12445-8	27.5920	EA	1
12445-9	30.2262	EA	1
1245	0.2830	EA	25
12451-1	18.5420	EA	2
12452	26.6168	EA	1
12457	37.7200	EA	1
12458-1	47.8305	EA	2
1246	0.1549	EA	25
12461	28.4739	EA	1
12463	55.9381	EA	1
12464-1	47.1586	EA	2
12464	45.8958	EA	2
12475	37.9905	EA	1
12476	46.5778	EA	1
12477	51.4397	EA	1
12478	73.1396	EA	1
12485	56.1044	EA	1
12486	66.8197	EA	1
12487	78.4966	EA	1
125	2.7880	EA	5
12500	4.3884	EA	5
12501-1	4.4308	EA	5
12501-2	6.0208	EA	5
12501	3.6464	EA	5
12504	2.0458	EA	5
12505	1.6218	EA	5
12506	3.5301	EA	5
12507	1.9610	EA	5
12508	2.8348	EA	5
12509	2.8066	EA	5
1251-A	1.1028	EA	10
1251	0.4277	EA	25
12510	3.6515	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
12511	1.5582	EA	5
12512	1.8232	EA	5
12513	1.9336	EA	5
12514	3.9644	EA	5
12515	4.1446	EA	5
12516	1.9618	EA	5
12517	3.0104	EA	5
12518	3.3602	EA	5
12519	5.0033	EA	5
1252	0.6658	EA	25
12520	3.3980	EA	5
12521	4.8866	EA	5
12522	4.6216	EA	5
1252240	4.5792	EA	5
12525	2.3560	EA	5
12526	1.8974	EA	5
12527	3.8486	EA	5
1253	0.1118	EA	25
12530	2.4804	EA	5
12531	3.3814	EA	5
12533	2.7030	EA	5
12534	3.1164	EA	5
12535	4.2612	EA	5
12536	6.8582	EA	5
12539	2.0246	EA	5
1254	0.3420	EA	50
12540	2.3850	EA	5
12541-1	4.1340	EA	5
12541	3.3611	EA	5
12542	4.0458	EA	5
12543	2.3108	EA	5
12544	2.6076	EA	5
12545-1	4.9101	EA	5
12545	5.9326	EA	5
12546	3.9613	EA	5
12547-1	3.9331	EA	5
12547	4.4964	EA	5
12548	3.7312	EA	5
12549	3.8266	EA	5
12550-1	7.1868	EA	5
12550	4.8548	EA	5
12551	5.8300	EA	5
12552	7.7062	EA	5
12554	4.3460	EA	5
12555-1	6.3282	EA	5
12555	2.9680	EA	5
12556	3.5828	EA	5
12557	3.4980	EA	5
12558-1	6.9196	EA	5
12558-2	10.1230	EA	5
12558	5.7982	EA	5
1256	0.6440	EA	25
12560	3.9577	EA	5
12561	3.5404	EA	5
12562	3.5192	EA	5
12565	3.5298	EA	5
12566	3.0104	EA	5
12567	6.2584	EA	5
12568	3.3072	EA	5
12569	5.3424	EA	5
1257	0.6360	EA	25
12570	4.6640	EA	5
12571	8.4906	EA	5
12574	1.9610	EA	5
12575	3.8266	EA	5
12576	4.2994	EA	5
12577	2.3108	EA	5
12578	2.8408	EA	5
12579	3.4238	EA	5
12580	6.2328	EA	5
125AGF	99.4053	BX	1
125ECCN	1.8198	EA	25
125ECCP	2.1306	EA	25
125EMT	1.6672	EA	10
125ESCN	1.3275	EA	25
125ESCP	1.3275	EA	25
125OFN	3.1039	EA	5
125SEF	97.1780	EA	1
125SUL	170.7969	BX	1
126	2.8280	EA	5
1260	0.2873	EA	25
12600	6.9416	EA	2
12601	8.0489	EA	2
12602	10.0504	EA	2
12603	10.0504	EA	2
12604	12.8611	EA	1
12605	12.8611	EA	1
12606	12.8611	EA	1
12607	22.3579	EA	1
12608	22.3579	EA	1
12609	4.6045	EA	2
12610	4.6045	EA	2
12611	6.1253	EA	2
12612	6.2942	EA	2
12613	9.0400	EA	2
12614	13.1798	EA	2
12615	35.3997	EA	1
12616	41.1448	EA	1
12617	52.0858	EA	1
12618	2.8959	EA	4
12619	3.4921	EA	4
1262	0.4333	EA	25
12620	3.8754	EA	4
12621	5.2807	EA	2
12622	6.8990	EA	2
12623	11.9242	EA	2
12624	17.2901	EA	1
12625	22.1450	EA	1
12626	30.1087	EA	1
12627	2.4200	EA	5
12627A	22.3579	EA	1
12628	2.5440	EA	5
12628A	45.5250	EA	1
12629	3.3200	EA	5
12629A	50.2096	EA	1
1263	0.1842	EA	50
12630	0.1682	EA	100
12630A	50.2096	EA	1
12631	0.2544	EA	50
12631A	78.0186	EA	1
12636	5.0678	EA	2
12637	6.1751	EA	2
12638	7.1971	EA	2
12639	9.6671	EA	2
12640	12.8186	EA	2
12641	20.9100	EA	2
12642	29.5551	EA	1
12643	35.6875	EA	1
12644	56.0439	EA	1
12645	20.0232	EA	2
12646	20.0232	EA	2
12647	25.6838	EA	2
12648	20.6146	EA	2
12649	24.9657	EA	1
1265	0.2633	EA	25
12650	29.4435	EA	1
12651	47.9459	EA	1
12652	71.6443	EA	1
12653	86.5139	EA	1
12654	18.5870	EA	2
12655	18.5870	EA	2
12656	21.2060	EA	2
12657	22.1776	EA	2
12658	22.6846	EA	1
12659	24.9657	EA	1
1266	0.3197	EA	25
12660	32.6962	EA	1
12661	41.9474	EA	1
12662	62.4353	EA	1
12663	12.8419	EA	2
12664	12.8419	EA	2
12665	17.3197	EA	2
12666	18.6292	EA	2
12667	17.7844	EA	1
12668	23.5717	EA	1
12669	35.2308	EA	1
1267	0.2896	EA	50
12670	47.5658	EA	1
12671	57.6196	EA	1
12672	18.8404	EA	2
12673	19.9810	EA	2
12674	23.8674	EA	2
12675	31.1754	EA	2
12676	30.7107	EA	1
12677	51.1987	EA	1
12678	71.2219	EA	1
12679	83.2612	EA	1
1268	1.9969	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
12680	110.9304	EA	1
12681	3.6751	EA	4
12682	3.8019	EA	4
12683	4.6890	EA	4
12684	6.1675	EA	2
12685	8.5331	EA	2
12686	14.1092	EA	2
12687	28.2184	EA	1
12688	35.1040	EA	1
12689	54.1979	EA	1
12690	1.5288	EA	4
12691	1.8667	EA	4
12692	2.7538	EA	4
12693	3.5222	EA	2
12694	7.6620	EA	2
12695	15.6722	EA	2
12696	35.7799	EA	1
12697	38.1455	EA	1
12698	44.5243	EA	1
12699	22.3579	EA	2
126A	0.6219	EA	25
127-90	69.8042	EA	1
127	3.2800	EA	5
12700	22.3579	EA	2
12701	26.7869	EA	2
12702	33.3453	EA	2
12703	45.5676	EA	1
12704	66.0518	EA	1
12705	121.1588	EA	1
12706	142.4095	EA	1
12707	179.7153	EA	1
12708	0.9010	EA	4
12709	1.1872	EA	4
12710-1	1.6430	EA	4
12710	1.4204	EA	4
12711-1	2.0988	EA	4
12711	1.8656	EA	4
12712-1	2.3876	EA	4
12712	2.3214	EA	4
12713-1	2.8409	EA	4
12713	2.7878	EA	4
12714	3.2542	EA	4
12715	1.0282	EA	4
12716	1.2614	EA	4
12717-1	1.8126	EA	4
12717	1.5158	EA	4
12718-1	2.3850	EA	4
12718	2.0988	EA	4
12719-1	2.8712	EA	4
12719	2.6712	EA	4
1272	0.1496	EA	50
12720-1	3.3245	EA	4
12720	3.2436	EA	4
12721	3.8054	EA	4
12722	1.2296	EA	4
12723	1.4946	EA	4
12724-1	2.1624	EA	4
12724	1.8126	EA	4
12725-1	2.8514	EA	4
12725	2.5016	EA	4
12726-1	3.2943	EA	4
12726	3.2012	EA	4
12727-1	3.8685	EA	4
12727	3.8796	EA	4
12728	4.5792	EA	4
12729	1.5900	EA	4
12730	1.9080	EA	4
12731-1	2.7454	EA	4
12731	2.2896	EA	4
12732-1	3.6570	EA	4
12732	3.2118	EA	4
12733-1	4.0196	EA	4
12733	4.1446	EA	4
12734-1	4.7147	EA	4
12734	5.0350	EA	4
12735	5.9572	EA	4
12736	2.1518	EA	4
12737-1	3.2966	EA	4
12737	0.1033	EA	4
12738-1	4.3884	EA	4
12738	3.8372	EA	4
12739-1	4.4125	EA	4
12739	4.9502	EA	4
12740-1	5.1983	EA	4
12740	6.0526	EA	4
12741	7.1656	EA	4
12742	2.8302	EA	2
12743-1	4.1976	EA	2
12743	3.5298	EA	2
12744-1	5.6180	EA	2
12744	4.9184	EA	2
12745-1	6.2259	EA	2
12745	6.3176	EA	2
12746-1	6.8303	EA	2
12746	7.7486	EA	2
12747	9.1690	EA	2
12748	3.7842	EA	2
12749	5.3000	EA	2
12750	4.4732	EA	2
12751-1	5.9539	EA	2
12751	6.2010	EA	2
12752-1	7.3139	EA	2
12752	8.0030	EA	2
12753-1	8.6437	EA	2
12753	9.7944	EA	2
12754	11.6070	EA	2
12755	4.6428	EA	2
12756	6.1480	EA	2
12757	5.0880	EA	2
12758-1	6.5281	EA	2
12758	7.2186	EA	2
12759-1	8.0392	EA	2
12759	9.3386	EA	2
12760-1	9.5202	EA	2
12760	11.4904	EA	2
12761	13.5998	EA	2
12762	7.2080	EA	1
12763	8.0348	EA	1
12764-1	8.3112	EA	1
12764	9.4764	EA	1
12765-1	10.2455	EA	1
12765	12.0628	EA	1
12766-1	12.1495	EA	1
12766	14.8506	EA	1
12767	3.0360	EA	5
12767A	17.6172	EA	1
12768	3.6080	EA	5
12768A	4.4730	EA	2
12769	3.7320	EA	5
12769A	4.5334	EA	2
12770	4.0600	EA	5
12770A	4.5334	EA	2
12771-12-12	78.1512	EA	1
12771	5.9237	EA	2
12772	5.9237	EA	2
12773	8.0695	EA	2
12774	8.0695	EA	2
12775	8.0695	EA	2
12776	11.6055	EA	2
12777	11.6055	EA	2
12778	11.6055	EA	2
12779	11.6055	EA	2
1278	0.1594	EA	25
12780	22.3346	EA	1
12781	22.3346	EA	1
12782	22.3346	EA	1
12783	22.3346	EA	1
12784	22.3346	EA	1
12785	28.8929	EA	1
12786	28.8929	EA	1
12787	41.6167	EA	1
12788	41.6167	EA	1
12791	1.0860	EA	10
12792	1.2100	EA	10
127A	0.2895	EA	25
128	4.8800	EA	5
12800	8.9133	EA	2
12801	10.5608	EA	2
12802	14.3204	EA	2
12803	14.3204	EA	2
12804	18.1645	EA	1
12805	18.1645	EA	1
12806	18.1645	EA	1
12807	29.9081	EA	1
12808	29.9081	EA	1
12809	5.8718	EA	2
1281	0.2971	EA	25
12810	5.8718	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
12811	7.7305	EA	2
12812	8.3219	EA	2
12813	12.0815	EA	2
12814	18.4602	EA	2
12815	53.9445	EA	1
12816	58.9714	EA	1
12817	69.9124	EA	1
12818	3.6751	EA	4
12819	3.7596	EA	4
12820	4.1398	EA	4
12821	5.8718	EA	2
12822	8.4064	EA	2
12827	29.9081	EA	1
12828	50.1426	EA	1
12829	56.4790	EA	1
12830	56.4790	EA	1
12831	91.3296	EA	1
12836	5.4916	EA	2
12837	6.2942	EA	2
12838	7.6038	EA	2
12839	10.1299	EA	2
12840	14.0670	EA	2
12841	22.6846	EA	2
12842	31.0065	EA	1
12843	43.7216	EA	1
12844	62.3720	EA	1
12845	22.3741	EA	2
12846	22.0172	EA	2
12847	27.8942	EA	2
12848	21.4210	EA	2
12849	28.2775	EA	1
1285	0.2416	EA	25
12850	33.1749	EA	1
12851	58.2158	EA	1
12852	68.0107	EA	1
12853	92.2425	EA	1
12854	18.1601	EA	2
12855	18.1601	EA	2
12856	21.4015	EA	2
12857	23.4377	EA	2
12858	29.0478	EA	1
12859	30.1698	EA	1
12860	38.8135	EA	1
12861	46.5430	EA	1
12862	67.7367	EA	1
12863	13.7136	EA	2
12864	14.0618	EA	2
12865	18.3263	EA	2
12866	17.5367	EA	2
12867	21.9833	EA	1
12868	25.8064	EA	1
12869	41.0991	EA	1
12870	44.6314	EA	1
12871	66.4069	EA	1
12872	22.4819	EA	2
12873	22.8144	EA	2
12874	27.5933	EA	2
12875	34.0761	EA	2
12876	32.4970	EA	1
12877	51.4051	EA	1
12878	79.2062	EA	1
12879	83.8605	EA	1
12880	111.3707	EA	1
12881	3.9709	EA	4
12882	4.0553	EA	4
12883	4.9002	EA	4
12884	6.6322	EA	2
12885	9.2090	EA	2
12886	15.0808	EA	2
12887	30.7530	EA	1
12888	43.3414	EA	1
12889	67.6735	EA	1
12890	1.6399	EA	4
12891	2.5164	EA	4
12892	3.4720	EA	4
12893	5.4557	EA	2
12894	8.3283	EA	2
12895	16.7705	EA	2
12896	38.0610	EA	1
12897	40.7224	EA	1
12898	47.1433	EA	1
12899	22.6670	EA	2
128A	0.1787	EA	25
129	0.1594	EA	50
1290	0.1445	EA	50
12900	22.6670	EA	2
12901	27.5302	EA	2
12902	34.4127	EA	2
12903	48.5075	EA	1
12904	69.9381	EA	1
12905	124.7511	EA	1
12906	149.5200	EA	1
12907	197.4093	EA	1
12908	1.0494	EA	4
12909	1.4734	EA	4
1291	0.3669	EA	25
12910-1	1.9782	EA	4
12910	1.8020	EA	4
12911-1	2.5346	EA	4
12911	2.4486	EA	4
12912-1	3.0291	EA	4
12912	3.0740	EA	4
12913-1	3.5546	EA	4
12913	3.3073	EA	4
12914	4.3778	EA	4
12915	1.1660	EA	4
12916	1.5052	EA	4
12917-1	2.1637	EA	4
12917	1.8444	EA	4
12918-1	2.8437	EA	4
12918	2.5652	EA	4
12919-1	3.4619	EA	4
12919	3.3072	EA	4
12920-1	3.9873	EA	4
12920	4.0174	EA	4
12921	4.7170	EA	4
12922	1.4522	EA	4
12923	1.8232	EA	4
12924-1	2.5037	EA	4
12924	2.2366	EA	4
12925-1	3.3073	EA	4
12925	3.1270	EA	4
12926-1	4.0492	EA	4
12926	4.0280	EA	4
12927-1	4.7601	EA	4
12927	4.9290	EA	4
12928	5.8300	EA	4
12929	1.9398	EA	4
1293	0.1502	EA	25
12930	2.7030	EA	4
12931-1	3.1528	EA	4
12931	2.9256	EA	4
12932-1	4.2346	EA	4
12932	4.1552	EA	4
12933-1	5.2237	EA	4
12933	5.3954	EA	4
12934-1	6.1201	EA	4
12934	6.5508	EA	4
12935	7.8440	EA	4
12936	2.5440	EA	4
12937-1	3.5237	EA	4
12937	3.3072	EA	4
12938-1	4.7292	EA	4
12938	4.6958	EA	4
12939-1	5.8110	EA	4
12939	6.0844	EA	4
12940-1	6.8928	EA	4
12940	7.4730	EA	4
12941	8.8616	EA	4
12942	3.5192	EA	2
12943-1	4.6055	EA	2
12943	4.4732	EA	2
12944-1	6.2437	EA	2
12944	6.2964	EA	2
12945-1	7.6965	EA	2
12945	8.1938	EA	2
12946-1	9.1492	EA	2
12946	10.0912	EA	2
12947	11.9780	EA	2
12948	4.8336	EA	2
12949	5.9037	EA	2
1295	0.4637	EA	50
12950	5.7346	EA	2
12951-1	8.0365	EA	2
12951	8.0984	EA	2
12952-1	9.9220	EA	2
12952	10.5258	EA	2
12953-1	11.8075	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
12953	12.9744	EA	2
12954	15.4018	EA	2
12955	5.9572	EA	2
12956	6.6147	EA	2
12957	6.5932	EA	2
12958-1	9.0256	EA	2
12958	9.4658	EA	2
12959-1	11.1584	EA	2
12959	12.3490	EA	2
12960-1	13.2911	EA	2
12960	15.2216	EA	2
12961	18.0942	EA	2
12962	9.2538	EA	1
12963	10.5788	EA	1
12964-1	11.6529	EA	1
12964	12.3702	EA	1
12965-1	14.4657	EA	1
12965	16.1544	EA	1
12966-1	17.2785	EA	1
12966	19.9598	EA	1
12967	23.7228	EA	1
12968	6.3454	EA	2
12969	6.6861	EA	2
12970	6.6861	EA	2
12971	9.2413	EA	2
12972	9.2413	EA	2
12973	12.3927	EA	2
12974	12.3927	EA	2
12975	4.3100	EA	2
12975A	12.3927	EA	2
12976	19.1214	EA	2
12977	19.1214	EA	2
12978	19.1214	EA	2
12979	19.1214	EA	2
1298	0.2771	EA	50
12980	41.2238	EA	1
12981	41.2238	EA	1
12982	41.2238	EA	1
12983	41.2238	EA	1
12984	41.2238	EA	1
12985	48.5913	EA	1
12986	48.7616	EA	1
12987	69.2032	EA	1
12988	69.2032	EA	1
13000	1.2143	EA	5
13001	1.1257	EA	5
13002	1.1314	EA	5
13003	0.7844	EA	5
13004	0.9300	EA	5
13005	1.8762	EA	5
13006	2.9362	EA	5
13007	3.7948	EA	5
13008-2	30.8759	EA	1
13008	5.5544	EA	5
13009-1	6.5083	EA	5
13009-2	6.7974	EA	5
13009-3	4.9525	EA	5
13009-4	6.0629	EA	5
13009-5	8.3737	EA	5
13009	5.6774	EA	5
13010	1.9129	EA	5
13011	1.4900	EA	5
13012	1.5586	EA	5
13013	1.2614	EA	5
13014	1.8126	EA	5
13015	2.3108	EA	5
13016	3.1214	EA	5
13017	3.8486	EA	5
13018	5.2486	EA	5
130189	0.2290	EA	10
13020	1.5586	EA	5
13021	1.5143	EA	5
13022	1.5200	EA	5
13023	1.5443	EA	5
13024	1.9080	EA	5
13025	2.3426	EA	5
13026	3.6040	EA	5
13027	4.3990	EA	5
13028	6.6886	EA	5
13029-1	3.0296	EA	5
13029	2.3714	EA	5
13030	2.0857	EA	5
13031	2.1019	EA	5
13032	2.0629	EA	5
13033	1.6006	EA	5
13034	2.4657	EA	5
13035	3.3643	EA	5
13036	4.6714	EA	5
13037	5.9886	EA	5
13038	9.1257	EA	5
13039-1	3.2455	EA	5
13039-15	8.4621	EA	2
13039-16	8.0467	EA	2
13039-2	2.4861	EA	5
13039-3	2.0843	EA	5
13039-6	3.0140	EA	5
13039-9	4.1240	EA	5
13039	2.7480	EA	5
13039A	4.0244	EA	5
13040	2.7480	EA	5
13040A	1.6800	EA	5
13041	3.3200	EA	5
13041A	1.4300	EA	5
13042	3.2800	EA	5
13042A	1.4471	EA	5
13043	3.8960	EA	5
13043A	0.9743	EA	5
13044	3.8960	EA	5
13044A	1.5629	EA	5
13045	4.3880	EA	5
13045A	2.7136	EA	5
13046	5.0040	EA	5
13046A	4.3354	EA	5
13047	5.2880	EA	5
13047A	5.4272	EA	5
13048-2	35.0277	EA	1
13048	5.7800	EA	5
13048A	7.8440	EA	5
13049	6.3560	EA	5
13050	7.6280	EA	5
13051	8.1200	EA	5
13051A	5.2287	EA	5
13052	9.3080	EA	5
13052A	5.6751	EA	5
13053	10.4960	EA	5
13053A	5.3938	EA	5
13054	10.9480	EA	5
13054A	4.5567	EA	5
13055	12.2600	EA	5
13055A	7.0557	EA	5
13056	13.5720	EA	5
13056A	11.4675	EA	5
13057	14.3080	EA	5
13057A	18.3696	EA	5
13058	15.4560	EA	5
13058A	36.5011	EA	5
13059	16.1120	EA	5
13059A	0.6739	EA	5
13060	17.1800	EA	5
13060A	0.8815	EA	5
13061	19.3120	EA	5
13061A	1.1162	EA	5
13062	22.1800	EA	5
13062A	1.1629	EA	5
13063	22.4280	EA	5
13063A	1.4522	EA	5
13064	23.0000	EA	5
13064A	2.0564	EA	5
13065	24.6667	EA	3
13065A	2.6076	EA	5
13066	3.2436	EA	5
13067	4.8654	EA	5
13068	17.9443	EA	1
13069	1.1448	EA	5
13070	1.3529	EA	5
13071	1.2286	EA	5
13072-1	1.3674	EA	5
13072-2	1.5357	EA	5
13072	4.4280	EA	5
13072A	1.1448	EA	5
13073-1	4.7238	EA	5
13073-2	4.2385	EA	5
13073-3	2.6394	EA	5
13073	1.4204	EA	5
13074	2.6394	EA	5
13075	4.9600	EA	5
13075A	3.6994	EA	5
13076	5.4926	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
13077-1.....	5.3814	EA	2
13077-2.....	4.8443	EA	2
13077.....	4.6760	EA	5
13077A.....	7.7798	EA	2
13078.....	26.3194	EA	1
13079.....	0.9829	EA	5
13080.....	4.0600	EA	5
13080A.....	0.9829	EA	5
13081.....	0.8943	EA	5
13082.....	0.8400	EA	5
13083.....	1.1143	EA	5
13084.....	1.3614	EA	5
13085.....	1.7914	EA	5
13086.....	2.1329	EA	5
13087.....	3.0986	EA	5
13090.....	7.1931	EA	1
13091.....	11.6237	EA	1
13092.....	12.6346	EA	1
13093.....	24.3356	EA	1
13095.....	3.3640	EA	5
13098.....	0.2438	EA	5
13099.....	0.2862	EA	5
13100.....	0.2862	EA	5
13101.....	0.4346	EA	5
13102.....	0.4346	EA	5
13103-1.....	1.6320	EA	5
13103.....	0.4346	EA	5
13104.....	0.6784	EA	5
13105.....	0.6784	EA	5
13106-1.....	2.2334	EA	5
13106-2.....	2.2334	EA	5
13106-3.....	2.2334	EA	5
13106.....	4.4400	EA	3
13106A.....	0.6784	EA	5
13107.....	1.2084	EA	5
13108-1.....	3.1483	EA	5
13108-2.....	3.1483	EA	5
13108-3.....	2.9786	EA	5
13108.....	2.8400	EA	3
13108A.....	1.2084	EA	5
13109.....	2.3108	EA	5
1311.....	0.2680	EA	25
13110-1.....	3.3072	EA	2
13110.....	2.3108	EA	5
13111.....	3.3178	EA	2
13112.....	3.0210	EA	2
13113-1.....	11.6764	EA	2
13113-2.....	4.1234	EA	2
13113.....	2.9150	EA	2
13114.....	4.1234	EA	2
13115.....	4.1234	EA	2
13116.....	2.6182	EA	2
13119.....	0.0909	EA	5
1312.....	0.3874	EA	50
13120.....	0.1059	EA	5
13121.....	0.1321	EA	5
13122.....	0.2247	EA	5
13123-2.....	43.0490	EA	1
13123.....	0.3358	EA	5
13124.....	1.1458	EA	5
13125.....	1.8762	EA	5
13126.....	2.5758	EA	5
13127.....	3.1800	EA	5
13128.....	0.3395	EA	10
13129.....	0.4207	EA	10
1313.....	0.2706	EA	25
13130.....	0.5020	EA	10
13132.....	0.8688	EA	5
13133.....	1.2366	EA	5
13134.....	2.8785	EA	5
13135.....	4.7043	EA	5
13136.....	7.0201	EA	5
13137.....	10.4493	EA	5
13138.....	5.3714	EA	5
13139.....	4.7486	EA	5
1314.....	0.5484	EA	50
13140.....	3.7418	EA	5
13141.....	3.7418	EA	5
13142.....	4.0598	EA	5
13143.....	5.9042	EA	5
13144.....	8.0666	EA	5
13145.....	9.9004	EA	5
13146-1.....	48.0109	EA	1
13146.....	12.3172	EA	5
13147-3.....	19.6931	EA	1
13147-5.....	17.5567	EA	1
13147.....	19.6931	EA	1
13148-1.....	20.7267	EA	1
13148-2.....	22.9127	EA	1
13148.....	23.6347	EA	1
1315.....	0.4326	EA	50
13156.....	0.4071	EA	5
13157.....	0.4671	EA	5
13158.....	0.4692	EA	5
13159.....	0.6143	EA	5
13160.....	0.6143	EA	5
13161.....	0.7243	EA	5
13162.....	0.7243	EA	5
13163.....	1.2243	EA	5
13164.....	1.2243	EA	5
13165.....	1.5476	EA	5
13166-4.....	4.1896	EA	2
13166-5.....	4.6090	EA	2
13166-6.....	4.7487	EA	2
13166-7.....	4.9112	EA	2
13166-8.....	4.7487	EA	2
13166.....	1.3700	EA	5
1317.....	0.7212	EA	25
13171.....	0.4692	EA	5
13172.....	0.4859	EA	5
13173.....	0.5012	EA	5
13174.....	0.5679	EA	5
13175.....	0.6249	EA	5
13176.....	0.7102	EA	5
13177.....	0.7526	EA	5
13178.....	1.1554	EA	5
13179.....	1.2084	EA	5
1318.....	0.5284	EA	25
13180.....	1.8232	EA	5
13181-5.....	4.3823	EA	2
13181-6.....	4.3823	EA	2
13181-7.....	4.6845	EA	2
13181.....	1.3780	EA	5
13185.....	0.4963	EA	5
13186.....	0.5433	EA	5
13187.....	0.5726	EA	5
13188.....	0.7161	EA	5
13189.....	0.7632	EA	5
13190.....	0.7314	EA	5
13191.....	0.8480	EA	5
13192.....	1.2296	EA	5
13193.....	1.0918	EA	5
13194.....	1.9292	EA	5
13195-1.....	4.0347	EA	2
13195-2.....	6.3468	EA	2
13195-3.....	4.7929	EA	2
13195-4.....	4.7941	EA	2
13195-7.....	4.6845	EA	2
13195-8.....	4.9490	EA	2
13195.....	1.3250	EA	5
13196.....	0.4291	EA	5
13197.....	0.4692	EA	5
13198.....	0.4963	EA	5
13199.....	0.5433	EA	5
132-1.....	0.1963	EA	100
132.....	0.1259	EA	50
1320.....	0.3194	EA	50
13200.....	0.6021	EA	5
13201.....	0.6290	EA	5
13202.....	0.6783	EA	5
13203.....	0.7300	EA	5
13204.....	0.8148	EA	5
13205.....	0.8889	EA	5
13206-1.....	2.7812	EA	2
13206-2.....	2.7805	EA	2
13206-3.....	3.3207	EA	2
13206-4.....	3.3200	EA	2
13206.....	0.8586	EA	5
13207.....	0.5159	EA	5
13208.....	0.5356	EA	5
13209.....	0.5928	EA	5
1321.....	0.1312	EA	50
13210.....	0.6693	EA	5
13211.....	0.6961	EA	5
13212.....	0.8216	EA	5
13213.....	0.8374	EA	5
13214.....	0.9328	EA	5
13215.....	1.0176	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
13216	1.1236	EA	5
13217-2	3.5738	EA	2
13217-3	3.5512	EA	2
13217-4	3.9781	EA	2
13217	1.1130	EA	5
13218	0.7555	EA	5
13219	0.8162	EA	5
1322	0.3616	EA	25
13220	0.8480	EA	5
13221	0.9010	EA	5
13222	1.1236	EA	5
13223-1	1.3886	EA	5
13223	1.1448	EA	5
13224	1.3462	EA	5
13225	1.6006	EA	5
13226-2	4.6467	EA	2
13226-4	5.1756	EA	2
13226	1.5582	EA	5
13227	0.9858	EA	5
13228	1.0388	EA	5
13229	1.1236	EA	5
1323	0.3028	EA	25
13230	1.2402	EA	5
13231	1.5476	EA	5
13232	1.4840	EA	5
13233	1.8232	EA	5
13234	1.8020	EA	5
13235	2.1094	EA	5
13236-1	5.5912	EA	2
13236-2	5.5912	EA	2
13236-3	6.3090	EA	2
13236-4	6.6490	EA	2
13236	2.1836	EA	5
13237	1.1342	EA	5
13238	1.2508	EA	5
13239	1.4098	EA	5
13240	1.4522	EA	5
13241	1.8762	EA	5
13242	1.8338	EA	5
13243	2.2472	EA	5
13244	2.1942	EA	5
13245	2.9468	EA	5
13246-2	6.3468	EA	1
13246-3	7.4423	EA	2
13246-4	7.4423	EA	2
13246	2.5228	EA	5
13247-1	8.3755	EA	2
13247-2	10.0491	EA	2
13247-3	15.1869	EA	1
13247	1.6536	EA	5
13248	1.7596	EA	5
13249-1	2.6394	EA	5
13249-2	2.4592	EA	5
13249-3	3.2436	EA	5
13249-4	3.0740	EA	5
13249-5	3.8478	EA	5
13249-6	3.5828	EA	5
13249-7	8.8024	EA	2
13249-8	9.3010	EA	2
13249	2.0140	EA	5
1325	0.2273	EA	50
13250	0.9234	EA	5
13251	0.8600	EA	5
13252	0.8600	EA	5
13253	0.7039	EA	5
13254	0.8059	EA	5
13255	1.4734	EA	5
13256	2.3532	EA	5
13257	3.1482	EA	5
13258-1	14.8673	EA	1
13258-2	20.5273	EA	1
13258-3	43.0560	EA	1
13258	4.5686	EA	5
13259-1	4.1896	EA	5
13259-2	4.0832	EA	5
13259-3	4.0121	EA	5
13259-4	4.9369	EA	5
13259-5	6.0430	EA	5
13259-6	10.0166	EA	2
13259-7	12.3150	EA	2
13259-8	19.4846	EA	2
13259	5.5614	EA	5
13260	1.4429	EA	5
13261	1.2286	EA	5
13262	1.2286	EA	5
13263	1.0313	EA	5
13264	1.3886	EA	5
13265	1.6642	EA	5
13266	2.5214	EA	5
13267	3.1058	EA	5
13268	4.5086	EA	5
13269-1	1.7340	EA	5
13269-10	5.2608	EA	2
13269-11	3.7310	EA	2
13269-12	6.9624	EA	2
13269-2	1.6774	EA	5
13269-3	1.6434	EA	5
13269-5	1.6796	EA	5
13269-7	2.3075	EA	1
13269-8	2.0314	EA	20
13269	2.3687	EA	5
13270	1.2043	EA	5
13271	1.2043	EA	5
13272	1.2086	EA	5
13273	1.1757	EA	5
13274	1.2084	EA	5
13275	1.9822	EA	5
13276	2.9680	EA	5
13277	3.6570	EA	5
13278	5.5120	EA	5
13279-1	1.1797	EA	5
13279-2	1.9822	EA	5
13279	1.4714	EA	5
1328	0.0745	EA	50
13280	1.8157	EA	5
13281	1.6714	EA	5
13282	1.5643	EA	5
13283	1.3674	EA	5
13284	1.9822	EA	5
13285	2.2790	EA	5
13286	3.7629	EA	5
13287	4.8100	EA	5
13288-1	20.1102	EA	1
13288	7.9186	EA	5
13289-1	3.2149	EA	5
13289-10	3.2299	EA	5
13289-12	6.0907	EA	2
13289-16	6.6419	EA	2
13289-2	1.9944	EA	5
13289-20	10.0025	EA	2
13289-21	10.0025	EA	2
13289-3	2.4989	EA	5
13289-4	2.8025	EA	5
13289-6	2.1883	EA	5
13289-7	4.2462	EA	5
13289-8	4.4256	EA	5
13289-9	3.2299	EA	5
13289	3.4797	EA	5
1329	1.0218	EA	25
13290	1.2084	EA	5
13291	1.2084	EA	5
13292	1.2084	EA	5
13293	0.7903	EA	5
13294	1.2508	EA	5
13295	2.2684	EA	5
13296	3.3602	EA	5
13297	4.1658	EA	5
13298-1	20.6776	EA	1
13298	6.0738	EA	5
13299-1	69.1369	EA	1
13299	29.4493	EA	1
133	0.2060	EA	50
1330	0.2310	EA	50
13301	4.1724	EA	5
13302	4.6395	EA	5
13303	3.8455	EA	5
13304	4.1173	EA	5
13305	5.3574	EA	5
13306	8.5756	EA	5
13307	12.8201	EA	5
13308	35.3181	EA	5
13309	0.5705	EA	5
1331	0.2242	EA	50
13310	0.7529	EA	5
13311	0.9077	EA	5
13312	0.9505	EA	5
13313	1.2150	EA	5
13314	1.6960	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
13315	2.1624	EA	5
13316	2.7454	EA	5
13317-1	15.9816	EA	2
13317	3.9008	EA	5
13318-1	52.3238	EA	1
13318	21.5900	EA	1
13319	0.9643	EA	5
1332	0.3026	EA	50
13320	1.0900	EA	5
13321	0.9957	EA	5
13322	0.9486	EA	5
13323	1.0600	EA	5
13324	1.5729	EA	5
13325-1	3.1173	EA	5
13325	2.0371	EA	5
13326	2.5357	EA	5
13327-1	4.3871	EA	2
13327-2	3.8600	EA	2
13327-4	9.2870	EA	1
13327	4.4269	EA	2
13328-1	13.6977	EA	1
13328	11.8964	EA	1
13329	0.7914	EA	5
1333	0.2433	EA	50
13330	0.7914	EA	5
13331	0.6914	EA	5
13332	0.6386	EA	5
13333	0.8428	EA	5
13334	0.9757	EA	5
13335	1.2157	EA	5
13336	1.7071	EA	5
13337	2.4171	EA	5
13338	26.8793	EA	1
1334	0.3186	EA	50
13348	0.2193	EA	5
13349	0.2609	EA	5
1335	0.3186	EA	50
13350	0.2609	EA	5
13351	0.4088	EA	5
13352	0.4088	EA	5
13353-1	0.7936	EA	5
13353	0.4088	EA	5
13354	0.6234	EA	5
13355	0.6234	EA	5
13356-1	0.9737	EA	5
13356-2	0.9737	EA	5
13356-3	0.9737	EA	5
13356	0.6234	EA	5
13357	1.0600	EA	5
13358-1	1.4496	EA	5
13358-2	1.4657	EA	5
13358-3	2.1094	EA	5
13358	1.0600	EA	5
13359	2.1094	EA	5
1336	0.3787	EA	50
13360-1	1.7596	EA	2
13360	2.1094	EA	5
13361-1	10.5780	EA	1
13361-2	11.2580	EA	1
13361-3	11.2580	EA	1
13361-4	11.7869	EA	1
13361-5	12.3913	EA	1
13361	8.6513	EA	1
13362	1.7596	EA	2
13363	1.5264	EA	2
13364-1	4.2357	EA	2
13364-2	2.1730	EA	2
13364	1.7808	EA	2
13365	2.1094	EA	2
13366	2.1094	EA	2
13367-1	5.9019	EA	1
13367-2	6.2489	EA	1
13367-3	6.1749	EA	1
13367-4	6.1749	EA	1
13367-5	5.5855	EA	1
13367-6	5.8611	EA	1
13367	2.2366	EA	2
13368-1	6.2923	EA	1
13368-2	7.5401	EA	1
13368	8.0351	EA	1
13369	0.0850	EA	5
13370	0.0971	EA	5
13371	0.1214	EA	5
13372	0.1730	EA	5
13373	0.2495	EA	5
13374	0.5600	EA	5
13375	0.8904	EA	5
13376	1.2826	EA	5
13377-1	12.9769	EA	1
13377-2	15.5893	EA	1
13377-3	26.4468	EA	1
13377	1.4840	EA	5
13378-3	29.3425	EA	1
13378	34.9696	EA	1
13379	0.1424	EA	10
1338	0.4707	EA	25
13380	0.1809	EA	10
13381	0.2015	EA	10
13382	0.2878	EA	5
13383	0.7652	EA	5
13384	0.9135	EA	5
13385	2.3324	EA	5
13386	3.4732	EA	5
13387	4.7714	EA	5
13388	4.0200	EA	5
13389	3.7286	EA	5
1339	0.2545	EA	50
13390	3.0740	EA	5
13391	3.0740	EA	5
13392	3.2012	EA	5
13393	4.1340	EA	5
13394	5.6498	EA	5
13395	6.8476	EA	5
13396-1	32.6371	EA	1
13396-2	38.2850	EA	1
13396	8.7768	EA	5
13397	0.3430	EA	5
13398	0.3998	EA	5
13399	0.4198	EA	5
134	2.4600	EA	5
1340	0.2276	EA	100
13400	0.3824	EA	5
13401	0.4318	EA	5
13402	0.6589	EA	5
13403	0.8315	EA	5
13404	1.0176	EA	5
13405-1	5.1171	EA	2
13405	1.4204	EA	5
13406-1	9.5047	EA	2
13406	6.3058	EA	2
13407	0.3828	EA	5
13408	0.3922	EA	5
13409	0.4069	EA	5
1340A	0.2780	EA	50
1341	0.1988	EA	100
13410	0.4519	EA	5
13411	0.4870	EA	5
13412	0.5823	EA	5
13413	0.8714	EA	5
13414	0.8714	EA	5
13415	1.1872	EA	5
13416-1	2.1857	EA	2
13416	0.9540	EA	5
13417-1	2.1857	EA	2
13417	2.1857	EA	2
13418	2.1857	EA	2
13419-1	2.4126	EA	2
13419	2.4126	EA	2
1342	0.2518	EA	50
13420	2.4126	EA	2
13422	0.4140	EA	5
13423	0.4391	EA	5
13424	0.4717	EA	5
13425	0.5433	EA	5
13426	0.5928	EA	5
13427	0.6491	EA	5
13428	0.8480	EA	5
13429-1	1.3674	EA	5
13429	0.9328	EA	5
1343	0.3702	EA	50
13430-1	2.3046	EA	2
13430-2	2.3046	EA	2
13430-3	2.3046	EA	2
13430-4	2.3046	EA	2
13430-5	2.7206	EA	2
13430-6	2.7206	EA	2
13430-7	2.7206	EA	2
13430-8	2.7206	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
13430	1.1236	EA	5
13431-1	7.0785	EA	1
13431	5.2603	EA	1
13432	6.1870	EA	1
13433	6.7759	EA	1
13434	7.3514	EA	1
13436	0.4590	EA	5
13437	0.4692	EA	5
13438	0.5306	EA	5
13439-1	0.6667	EA	5
13439	0.5897	EA	5
1344	0.3998	EA	50
13440-1	0.9328	EA	5
13440	0.7258	EA	5
13441-1	1.4734	EA	5
13441	1.0600	EA	5
13442	1.1872	EA	5
13443	2.6261	EA	2
13444	2.6261	EA	2
13445-1	2.9476	EA	2
13445-2	2.6261	EA	2
13445-3	2.6261	EA	2
13445-4	2.9476	EA	2
13445-5	2.9476	EA	2
13445	2.9476	EA	2
13446	0.3998	EA	5
13447	0.4198	EA	5
13448	0.4692	EA	5
13449-1	0.5433	EA	5
13449	0.5059	EA	5
1345	0.5324	EA	50
13450-1	0.5919	EA	5
13450	0.5728	EA	5
13451-1	0.7256	EA	5
13451	0.6864	EA	5
13452-1	1.5886	EA	2
13452	0.7824	EA	5
13453-1	1.9101	EA	2
13453	1.5886	EA	2
13455	1.9101	EA	2
13456	0.4493	EA	5
13457-1	0.5254	EA	5
13457	0.4863	EA	5
13458-1	0.6391	EA	5
13458	0.5726	EA	5
13459-1	0.8664	EA	5
13459	0.6785	EA	5
1346	0.2635	EA	50
13460-1	0.8904	EA	5
13460	0.8162	EA	5
13461-1	1.9588	EA	2
13461	0.9646	EA	5
13462-1	2.2559	EA	2
13462	1.9588	EA	2
13463	2.2559	EA	2
13464-1	15.6403	EA	1
13464-2	15.6403	EA	1
13464-3	16.5092	EA	1
13464	13.1847	EA	1
13465-1	21.1181	EA	1
13465-2	23.3093	EA	1
13465	0.4879	EA	1
13466-1	0.7210	EA	5
13466	0.6859	EA	5
13467-1	0.8904	EA	5
13467	0.8222	EA	5
13468-1	1.0706	EA	5
13468	0.9964	EA	5
13469-1	1.1554	EA	5
13469	1.1024	EA	5
1347	0.3186	EA	50
13470	1.2932	EA	5
13471	2.6018	EA	2
13472	2.6018	EA	2
13473	3.0421	EA	2
13474-1	9.5957	EA	1
13474	3.0421	EA	2
13475-1	8.8130	EA	1
13475-2	9.6722	EA	1
13475-3	9.7478	EA	1
13475	8.1295	EA	1
13476-1	13.3276	EA	1
13476-2	14.7920	EA	1
13476	10.9987	EA	1
13477-1	0.9222	EA	5
13477	0.8480	EA	5
13478-1	1.1872	EA	5
13478	1.0176	EA	5
13479-1	1.5052	EA	5
13479	1.2296	EA	5
1348	0.3226	EA	50
13480-1	1.7490	EA	5
13480	1.4416	EA	5
13481	1.6430	EA	5
13482	3.2772	EA	2
13483	3.2772	EA	2
13484	4.2687	EA	2
13485	3.9229	EA	2
13486-1	1.1554	EA	5
13486	1.0600	EA	5
13487-1	1.5052	EA	5
13487	1.2296	EA	5
13488-1	1.7490	EA	5
13488	1.4734	EA	5
13489-1	2.0140	EA	5
13489	1.6748	EA	5
13490-1	3.7581	EA	2
13490-2	3.7581	EA	2
13490-3	4.6200	EA	2
13490-4	4.3876	EA	2
13490	1.8762	EA	5
13491	1.4840	EA	5
13492	1.6112	EA	5
13493	2.0246	EA	5
13494	1.9504	EA	5
13495	2.5016	EA	5
13496	2.1518	EA	5
13497	2.9256	EA	5
13498-1	5.3305	EA	1
13498-2	5.3305	EA	2
13498-3	6.2653	EA	2
13498-4	6.2653	EA	2
13498	2.4910	EA	5
134A	0.2647	EA	50
135	2.3360	EA	5
1350	0.1167	EA	50
13501	4.3990	EA	5
13502	3.9114	EA	5
13503	5.0456	EA	5
13504	5.7240	EA	5
13505	7.3034	EA	5
13506	10.6636	EA	2
13507	12.5610	EA	2
135070	4.7718	EA	10
13508	18.0730	EA	2
1351	0.4392	EA	25
13511	6.5296	EA	5
13512	6.5296	EA	5
13513	7.2716	EA	5
13514	8.0772	EA	5
13515	8.9676	EA	5
13516	14.3418	EA	2
13517	18.6878	EA	2
13518	28.2596	EA	2
1352	0.5793	EA	25
13521	5.2046	EA	5
13522	5.8300	EA	5
13523	6.7840	EA	5
13524	9.6672	EA	5
13525	11.3102	EA	5
13526	15.5608	EA	2
13527	19.2390	EA	2
13528	29.9344	EA	2
13533	13.1182	EA	5
13534	14.7208	EA	5
13535	17.1492	EA	5
13536	22.0263	EA	2
13537	31.1153	EA	2
13538	53.0096	EA	2
13541	5.5438	EA	5
13542	5.8512	EA	5
13543	7.4518	EA	5
13544	8.0560	EA	5
13545	9.6884	EA	5
13546	13.8754	EA	2
13547	16.1756	EA	2
13548	23.8818	EA	2
1355	0.2283	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
13557	5.8981	EA	5
13559	39.5993	EA	5
13560	53.2064	EA	3
13561	6.3176	EA	5
13562	6.4554	EA	5
13563	7.6850	EA	5
13564-1	5.2258	EA	5
13564-2	6.3176	EA	5
13564-3	10.5152	EA	5
13564	7.8546	EA	5
13565-1	13.8754	EA	2
13565-2	14.3428	EA	2
13565	10.1230	EA	2
13566-1	19.9704	EA	2
13566-2	19.7390	EA	2
13566	14.4266	EA	2
1357	0.4784	EA	25
13571	4.0598	EA	5
13572	4.0386	EA	5
13573	5.0774	EA	5
13574	6.6568	EA	5
13575	7.3776	EA	5
13576	10.8014	EA	2
13577	14.9884	EA	2
13578	9.2329	EA	2
13581	8.9358	EA	5
13582	9.0842	EA	5
13583	7.3564	EA	5
13584	8.1302	EA	5
13585	10.6106	EA	5
13586	17.3310	EA	2
13587	18.1578	EA	2
13588	22.4508	EA	2
13589	70.0242	EA	1
1359	0.8689	EA	25
13590	85.5377	EA	1
13593	22.0633	EA	5
13594	23.4384	EA	5
13595	28.2160	EA	5
136	2.2960	EA	5
13610	1.3312	EA	5
13611	1.0600	EA	5
13612	1.1024	EA	5
13613	0.9858	EA	5
13614	1.1766	EA	5
13615	1.7384	EA	5
13616	2.1306	EA	2
13617	2.6394	EA	2
13618-1	8.8278	EA	1
13618	3.6676	EA	2
13619	13.7621	EA	1
1362	0.2212	EA	25
13620	1.1751	EA	5
13621	1.1751	EA	5
13622	1.3608	EA	5
13623	1.3608	EA	5
13624	1.6930	EA	5
13625	1.6930	EA	5
13626	3.2003	EA	5
13627	3.2003	EA	5
13628	3.4932	EA	5
13629	3.4932	EA	5
1363	0.4937	EA	25
13630	1.1448	EA	5
13631	1.2190	EA	5
13632	1.4946	EA	5
13633	1.6112	EA	5
13634	1.7384	EA	5
13635	1.7702	EA	5
13636	2.8467	EA	5
13637	2.7984	EA	5
13638	3.2325	EA	5
13639	3.1906	EA	5
13640	1.2508	EA	5
13641	1.3780	EA	5
13642	1.5688	EA	5
13643	1.6642	EA	5
13644	1.8550	EA	5
13645	1.9610	EA	5
13646	2.8467	EA	5
13647	2.7984	EA	5
13648	3.2432	EA	5
13649	3.1906	EA	5
13650	1.0282	EA	5
13651	1.1024	EA	5
13652	1.1766	EA	5
13653	1.3038	EA	5
13654	1.4628	EA	5
13655	1.5688	EA	5
13656	1.5580	EA	10
13656A	1.6930	EA	5
13657	1.5580	EA	10
13657A	1.8126	EA	5
13658	1.5780	EA	10
13658A	1.8127	EA	5
13659-1	3.5218	EA	1
13659-2	3.5003	EA	1
13659-3	3.5218	EA	1
13659-4	3.5289	EA	1
13659	2.0920	EA	10
13659A	2.0140	EA	5
13660	1.7020	EA	10
13660A	1.2190	EA	5
13661	1.8040	EA	10
13661A	1.2508	EA	5
13662	1.5580	EA	10
13662A	1.3780	EA	5
13663	1.6600	EA	10
13663A	1.4946	EA	5
13664	1.5780	EA	10
13664A	1.6642	EA	5
13665	1.5580	EA	10
13665A	1.8126	EA	5
13666	1.5780	EA	10
13666A	2.0895	EA	5
13667	1.5580	EA	10
13667A	2.2048	EA	5
13668	2.4824	EA	5
13669-1	4.2861	EA	1
13669-2	4.2861	EA	1
13669-3	4.8219	EA	1
13669-4	4.9648	EA	1
13669	1.9060	EA	10
13669A	2.5970	EA	5
13670	1.7020	EA	10
13670A	1.8126	EA	5
13671	1.6000	EA	10
13671A	1.9610	EA	5
13672	1.9680	EA	10
13672A	2.1306	EA	5
13673	1.9880	EA	10
13673A	2.4062	EA	5
13674	1.9480	EA	10
13674A	2.5652	EA	5
13675	2.0300	EA	10
13675A	2.8896	EA	5
13676	2.0300	EA	10
13676A	3.0740	EA	5
13677	2.0300	EA	10
13677A	3.4182	EA	5
13678-1	5.7863	EA	1
13678-2	5.7684	EA	1
13678-4	6.6614	EA	1
13678	2.2140	EA	10
13678A	3.6252	EA	5
13679	2.2760	EA	10
1368	0.4580	EA	25
13680	2.2760	EA	10
13680A	2.2048	EA	2
13681	1.9480	EA	10
13681A	2.5228	EA	2
13682	1.6600	EA	10
13682A	2.6712	EA	2
13683	1.6400	EA	10
13683A	3.0740	EA	2
13684	1.7600	EA	10
13684A	3.3496	EA	2
13685	2.1700	EA	10
13685A	3.8861	EA	2
13686	4.0916	EA	2
13687	4.3647	EA	2
13688-1	7.2757	EA	1
13688-10	9.6867	EA	1
13688-11	9.6867	EA	1
13688-12	9.6867	EA	1
13688-14	10.1438	EA	1
13688-16	10.8939	EA	1
13688-17	10.1438	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
13688-18.....	10.8939	EA	1
13688-19.....	11.7154	EA	1
13688-2.....	7.2757	EA	1
13688-21.....	12.5012	EA	1
13688-22.....	12.5012	EA	1
13688-23.....	13.2870	EA	1
13688-3.....	7.2757	EA	1
13688-4.....	7.2757	EA	1
13688-5.....	8.3972	EA	1
13688-6.....	8.3972	EA	1
13688-7.....	8.3972	EA	1
13688-8.....	8.3972	EA	1
13688-9.....	9.6867	EA	1
13688.....	4.6110	EA	2
1369.....	0.4274	EA	25
13690.....	2.7666	EA	2
13691.....	3.0316	EA	2
13692.....	3.3072	EA	2
13693.....	3.6994	EA	2
13694.....	3.7630	EA	2
13695.....	4.3861	EA	2
13696.....	4.6534	EA	2
13697.....	5.0219	EA	2
13698-1.....	8.3972	EA	1
13698-2.....	8.3972	EA	1
13698-3.....	9.6652	EA	1
13698-4.....	9.2866	EA	1
13698.....	5.2894	EA	2
136A.....	0.1883	EA	50
137.....	2.6240	EA	5
13700.....	3.9008	EA	2
13701.....	4.3778	EA	2
13702.....	4.6852	EA	2
13703.....	5.0456	EA	2
13704.....	5.2469	EA	2
13705.....	6.2222	EA	2
13706.....	6.7864	EA	2
13707-2.....	11.6726	EA	1
13707-3.....	12.8941	EA	1
13707.....	7.1762	EA	2
13710.....	2.5181	EA	5
13711.....	2.5985	EA	5
13712.....	3.1074	EA	5
13713.....	3.9915	EA	5
13714-2.....	5.9202	EA	5
13714.....	4.3397	EA	5
13715.....	5.1702	EA	5
13716-1.....	13.6085	EA	1
13716-2.....	13.6799	EA	1
13716-3.....	15.5479	EA	1
13716-4.....	16.9409	EA	1
13716-5.....	20.4448	EA	1
13716-6.....	20.4448	EA	1
13716.....	11.7440	EA	1
13717-1.....	17.8553	EA	1
13717-2.....	17.8553	EA	1
13717-3.....	21.4128	EA	1
13717-4.....	29.2600	EA	1
13717-5.....	26.0025	EA	1
13717-6.....	30.0386	EA	1
13717-7.....	30.7173	EA	1
13717.....	15.3015	EA	1
13718-1.....	25.5311	EA	1
13718-2.....	27.7527	EA	1
13718-3.....	33.0032	EA	1
13718-4.....	33.8854	EA	1
13718.....	23.1451	EA	1
13719.....	15.8862	EA	1
1372.....	0.6476	EA	25
13720.....	16.2227	EA	1
13721.....	20.0596	EA	1
13722.....	23.1224	EA	1
13723.....	38.3691	EA	1
13724.....	22.5503	EA	1
13725.....	26.9930	EA	1
13726.....	36.8882	EA	1
13727.....	42.9801	EA	1
13729.....	14.6745	EA	1
1373.....	0.2258	EA	25
13730.....	15.6169	EA	1
13731.....	20.3289	EA	1
13732.....	21.7762	EA	1
13733.....	36.1477	EA	1
13734.....	24.2331	EA	1
13735.....	26.8920	EA	1
13738.....	72.4301	EA	1
13739.....	15.8862	EA	1
1374.....	0.5955	EA	25
13740.....	16.1554	EA	1
13741.....	21.1703	EA	1
13742.....	22.5503	EA	1
13743-20-20.....	138.8388	EA	1
13743-5-4.....	26.6377	EA	4
13743.....	35.8785	EA	1
13744.....	23.1224	EA	1
13745.....	25.6131	EA	1
13746.....	34.7005	EA	1
13747.....	42.2733	EA	1
13749.....	14.6745	EA	1
1375.....	0.6141	EA	25
13750.....	16.2227	EA	1
13751.....	19.3192	EA	1
13752.....	19.8914	EA	1
13753.....	30.3587	EA	1
13759.....	6.8324	EA	1
1376.....	0.6630	EA	25
13760.....	7.7075	EA	1
13761.....	9.7942	EA	1
13762.....	11.3424	EA	1
13763.....	21.0694	EA	1
13764.....	9.1547	EA	1
13765.....	10.0635	EA	1
13766.....	16.9968	EA	1
13767.....	21.7762	EA	1
13769.....	8.7845	EA	1
1377.....	0.6141	EA	25
13770.....	8.9864	EA	1
13771-10-8.....	56.1646	EA	2
13771.....	11.0059	EA	1
13772.....	13.6648	EA	1
13773.....	25.0072	EA	1
13774.....	14.2706	EA	1
13775.....	16.9295	EA	1
13779.....	7.8758	EA	1
1378.....	0.4212	EA	25
13780.....	9.9962	EA	1
13781.....	11.7127	EA	1
13782.....	14.5399	EA	1
13783.....	28.0027	EA	1
13784.....	11.1742	EA	1
13785.....	14.4389	EA	1
13786.....	22.0118	EA	1
13787.....	27.4979	EA	1
13789.....	8.2796	EA	1
1379.....	0.5089	EA	25
13790.....	8.9528	EA	1
13791.....	11.1742	EA	1
13792.....	11.9483	EA	1
13793.....	17.4007	EA	1
13799.....	0.9761	EA	10
1380.....	0.3575	EA	25
13800.....	0.9761	EA	10
13801.....	0.9761	EA	10
13802.....	0.9761	EA	10
13803.....	1.2117	EA	10
13804.....	3.6686	EA	10
13805.....	7.7075	EA	10
1381.....	0.4418	EA	25
13810.....	12.3000	EA	2
13811.....	14.2500	EA	2
13812.....	13.9400	EA	2
13814.....	17.4200	EA	1
13815.....	16.4000	EA	1
13816.....	6.1000	EA	4
13817.....	42.2400	EA	1
1382.....	0.0581	EA	50
13822.....	62.7400	EA	1
13830.....	2.2972	EA	10
13831.....	3.0096	EA	10
13832.....	3.2764	EA	10
13833.....	4.4351	EA	5
13834.....	4.7329	EA	5
13835.....	5.9193	EA	5
13836.....	9.6786	EA	2
13837.....	9.6786	EA	2
13838.....	14.7272	EA	2
1384.....	0.5361	EA	25
13848.....	3.6841	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
13849	4.4451	EA	1
13850	273.8800	EA	1
13850A	2.1928	EA	5
13851	338.0400	EA	1
13851A	1.5017	EA	5
1387	0.4750	EA	25
13870	1.8525	EA	1
13871	1.8068	EA	1
13872	1.9302	EA	1
13873	2.0826	EA	1
13874	2.2350	EA	1
13875	2.3635	EA	1
13880	2.9772	EA	5
13881	3.0962	EA	5
13882	4.0244	EA	5
13883	4.1283	EA	5
13884	4.5610	EA	5
13885	5.8095	EA	5
1389	0.3320	EA	25
13891	1.2257	EA	5
13892	1.2257	EA	5
13893	2.6011	EA	5
13894	2.0852	EA	5
13895	1.6043	EA	5
13897	2.6882	EA	1
13898	3.1717	EA	1
13899	3.5771	EA	1
13900	7.3108	EA	1
13901	7.3108	EA	1
13902	7.3108	EA	1
13903	11.7235	EA	1
13904	14.9765	EA	1
13905	25.0321	EA	1
13906	31.8482	EA	1
13907	39.3066	EA	1
13908	39.1352	EA	1
13909	39.1352	EA	1
1391	0.2156	EA	50
13910	40.3754	EA	1
13911	54.7384	EA	1
13912	84.4290	EA	1
13913	41.8189	EA	1
13914	54.1686	EA	1
13915	81.5162	EA	1
13916	34.9012	EA	1
13917	34.5863	EA	1
13918	34.9012	EA	1
13919	51.8322	EA	1
1392	0.4828	EA	10
13920	77.4929	EA	1
13921	116.5009	EA	1
13922	88.2375	EA	1
13923	170.4202	EA	1
13924	24.6980	EA	1
13925	24.0302	EA	1
13926	24.2528	EA	1
13927	29.6270	EA	1
13928	40.4708	EA	1
13929	56.5192	EA	1
1393	0.2838	EA	50
13930	64.6176	EA	1
13931	97.7214	EA	1
13932	34.0099	EA	1
13933	34.0099	EA	1
13934	34.0099	EA	1
13935	42.3657	EA	1
13936	56.8726	EA	1
13937	71.6357	EA	1
13938	96.7852	EA	1
13939	142.9533	EA	1
1394	0.5316	EA	25
13940	6.2136	EA	1
13941	7.8222	EA	1
13942	8.3487	EA	1
13943-16-12	176.5274	EA	1
13943-24-24	279.5220	EA	1
13943	11.0959	EA	1
13944	14.2617	EA	1
13945	21.6209	EA	1
13946	22.8642	EA	1
13947	22.8642	EA	1
13948	21.0940	EA	1
13949	25.8958	EA	1
1395	0.4471	EA	25
13950	34.9058	EA	1
13951	49.9260	EA	1
13952	60.3034	EA	1
13953	75.9384	EA	1
13954	14.9726	EA	1
13955	18.3596	EA	1
13956	11.9339	EA	10
13957	20.3833	EA	5
13958	32.3393	EA	6
13959	36.4461	EA	2
1396	0.8562	EA	25
13960	51.2898	EA	2
13961	28.8847	EA	1
13962	28.4492	EA	1
13963	27.6060	EA	1
13964	32.0522	EA	1
13965	42.2468	EA	1
13966	56.8881	EA	1
13967	69.7496	EA	1
13968	95.4976	EA	1
13969	45.8077	EA	1
1397	1.0963	EA	25
13970	45.8077	EA	1
13971-10-8	53.3458	EA	2
13971	40.7182	EA	1
13972	48.6901	EA	1
13973	69.8000	EA	1
13974	106.1278	EA	1
13975	106.5289	EA	1
13976	166.8726	EA	1
13977	31.2912	EA	1
13978	31.2912	EA	1
13979	35.0224	EA	1
1398	0.4873	EA	25
13980	46.2160	EA	1
13981	64.1088	EA	1
13982	82.0016	EA	1
13983	107.3674	EA	1
13984	155.0992	EA	1
13985	21.7300	EA	1
13986	21.7300	EA	1
13987	22.3872	EA	1
13988	28.3444	EA	1
13989	34.2804	EA	1
13990	56.6676	EA	1
13991	67.0874	EA	1
13992	95.4424	EA	1
13993	13.7376	EA	1
13994	13.6104	EA	1
13995	13.7376	EA	1
13996	24.2846	EA	1
13997	25.4082	EA	1
13998	54.5358	EA	1
13999-1	80.6825	EA	1
13999	67.2572	EA	1
14-8805	63.7664	EA	1
14-THHNSOL-BLK	39.1316	RL	1
14-THHNSOL-BLU	43.2374	RL	1
14-THHNSOL-BRW	39.1316	RL	1
14-THHNSOL-GRN	43.2374	RL	1
14-THHNSOL-GRY	31.0899	RL	1
14-THHNSOL-ORG	43.2374	RL	1
14-THHNSOL-PNK	31.0899	RL	1
14-THHNSOL-PUR	31.0899	RL	1
14-THHNSOL-RED	43.2374	RL	1
14-THHNSOL-WHT	43.2374	RL	1
14-THHNSOL-YEL	39.1316	RL	1
140-45	38.0379	EA	1
140	0.0620	EA	100
14000	1.8683	EA	5
14000LG	26.1821	EA	1
14000XL	26.1821	EA	1
14001	2.3307	EA	5
14002	2.5176	EA	5
14003	2.7277	EA	5
14004	3.0313	EA	5
14005	3.3116	EA	5
140050	13.3480	EA	12
14006	3.6759	EA	5
14007	3.9842	EA	5
14008	4.6708	EA	5
14009	5.8712	EA	5
1400A	9.7944	PR	6
1400S	2.8741	PR	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
1400XL	3.4091	PR	2
14010	6.3009	EA	5
140100	6.4306	EA	12
14011	1.4946	EA	5
14012	1.5370	EA	5
14013	1.6536	EA	5
14014	3.1901	EA	5
14015	3.5545	EA	5
14016	3.9468	EA	5
14017	4.3672	EA	5
14018	4.7502	EA	5
14019	6.7353	EA	5
1402	0.5921	EA	25
14020	7.1136	EA	5
14021	7.5947	EA	5
14022	1.6536	EA	5
14023	1.7066	EA	5
14024	1.8020	EA	5
14025	2.0246	EA	5
14026	2.2578	EA	5
14027	4.4372	EA	5
14028	2.7560	EA	5
14029	5.3107	EA	5
1403	0.3200	EA	25
14030	3.7736	EA	5
14031	7.8983	EA	5
14032	4.2824	EA	5
14035	1.0600	EA	5
14036	1.1236	EA	5
14037	1.2826	EA	5
14038	1.3674	EA	5
14039	1.4946	EA	5
1404	0.5466	EA	25
14040	1.6536	EA	5
14041	1.8020	EA	5
14042	3.0127	EA	5
14043	2.1942	EA	5
14044	3.7787	EA	5
14045	2.6818	EA	5
14046	1.1978	EA	5
14047	1.2826	EA	5
14048	1.3886	EA	5
14049	1.4946	EA	5
1405	0.6288	EA	25
14050	1.6536	EA	5
14051	1.8232	EA	5
14052	2.0246	EA	5
14053	3.3490	EA	5
14054	3.8254	EA	5
14055	4.1103	EA	5
14056	2.7560	EA	5
14057	5.5360	EA	5
14057A	1.7596	EA	5
14058	5.3320	EA	5
14058A	1.8656	EA	5
14059	3.1560	EA	5
14059A	1.9610	EA	5
14060	3.0760	EA	5
14060A	2.1730	EA	5
14061	5.7000	EA	5
14061A	2.4168	EA	5
14062	3.0360	EA	5
14062A	2.6076	EA	5
14063	2.4200	EA	5
14063A	4.4046	EA	5
14064	2.8720	EA	5
14064A	3.1800	EA	5
14065	3.3200	EA	5
14065A	5.4555	EA	5
14066	4.0600	EA	5
14066A	3.6040	EA	5
14067	3.6920	EA	5
14067A	2.1730	EA	5
14068	9.4500	EA	10
14068A	2.3108	EA	5
14069	4.8800	EA	5
14069A	3.5358	EA	5
1407	0.5334	EA	25
14070	3.2400	EA	5
14070A	2.7878	EA	5
14071	4.4839	EA	5
14072	2.2960	EA	10
14072A	3.3602	EA	5
14073	5.4601	EA	5
14074	2.7060	EA	10
14074A	3.9114	EA	5
14075	6.8147	EA	5
14076	4.5156	EA	5
14079	2.6606	EA	5
1408	0.6408	EA	25
14080	2.8196	EA	5
14081	3.0740	EA	5
14082	3.3284	EA	5
14083	5.3667	EA	5
14084	3.9962	EA	5
14085	6.5765	EA	5
14086	7.5947	EA	5
14087	8.0805	EA	5
14088	5.3106	EA	5
14090	2.9786	EA	5
14091	4.9557	EA	5
14092	3.7524	EA	5
14093	6.1981	EA	5
14094	4.3884	EA	5
14095	7.4639	EA	5
14096	8.7390	EA	5
14097	0.9840	EA	10
14097A	9.4396	EA	5
14098	1.9480	EA	10
14098A	5.8936	EA	5
14099	2.2960	EA	10
141	0.0773	EA	100
14100	1.7640	EA	10
14101	2.2340	EA	10
14102	2.8080	EA	10
14103	1.9680	EA	10
14104	1.2920	EA	10
1412	0.2647	EA	50
14143-10-10	60.5337	EA	2
14143-10-8	46.1579	EA	2
14143-20-20	215.9906	EA	1
14143-5-4	36.4330	EA	2
14171-12-12	119.6581	EA	1
14171-16-16	151.2286	EA	1
14171-6-6	46.3693	EA	2
14171-8-8	48.6948	EA	2
1418	0.6277	EA	25
1419	0.7413	EA	25
14197	5.9400	EA	1
14198	6.3600	EA	1
14199	7.5800	EA	1
142	0.0683	EA	100
1420	0.2400	EA	25
14200	9.6400	EA	1
14200A	0.0249	EA	100
14201	20.9200	EA	1
14201A	0.0259	EA	100
14202	22.5600	EA	1
14202A	0.0601	EA	100
14203	29.3200	EA	1
14203A	0.0266	EA	100
14204	37.9200	EA	1
14204A	0.0268	EA	100
14205	0.0270	EA	100
14206	0.0273	EA	100
14207	0.0282	EA	100
14208	0.0292	EA	100
14209	0.0479	EA	100
1421	0.3054	EA	25
14210	0.0303	EA	100
14211	0.0323	EA	50
14212	0.0331	EA	50
14213	0.0436	EA	50
14214	0.0529	EA	50
14215	0.0452	EA	50
14216	0.0371	EA	50
14217	0.0430	EA	50
14218	0.0471	EA	50
14219	0.0524	EA	50
1422	0.3943	EA	25
14220	0.0548	EA	50
14221	0.0841	EA	25
14222	0.0558	EA	25
14223	0.0601	EA	25
14224	0.0886	EA	25
14225	0.0724	EA	25
14226	0.0744	EA	25
14227	0.1298	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
14228	0.1326	EA	25
14229	0.1662	EA	25
1423	0.4228	EA	25
14230	0.1147	EA	25
14231	0.1487	EA	25
14232	0.1789	EA	25
14233	0.2617	EA	25
14234	0.1906	EA	25
14235	0.2043	EA	25
14236	0.2267	EA	25
14237	0.1834	EA	25
14238	5.1159	EA	5
14239	3.6146	EA	5
14240	6.0929	EA	5
14241-1	7.2562	EA	5
14241	5.7636	EA	5
14242	6.4959	EA	5
14243	3.6233	EA	5
14244-1	4.1778	EA	5
14244	5.2567	EA	5
14245	5.7031	EA	5
14246	7.2898	EA	5
14247	5.9940	EA	5
14248-1	7.6198	EA	5
14248	3.5404	EA	5
14249	9.4318	EA	5
142499	1.4812	EA	1
14250	10.3244	EA	5
14253-1	16.9879	EA	1
14253-2	15.1828	EA	1
14253-3	15.1828	EA	1
14253-4	16.7406	EA	1
14254-1	12.3638	EA	5
14254-2	13.2293	EA	5
14254	12.8089	EA	5
14255-1	2.6459	EA	10
14255-10	13.0335	EA	10
14255-11	10.7668	EA	10
14255-2	2.9426	EA	10
14255-3	2.9426	EA	10
14255-4	3.9317	EA	10
14255-5	3.3135	EA	10
14255-6	3.4619	EA	10
14255-7	3.5113	EA	10
14255-8	5.8852	EA	10
14255-9	5.5637	EA	10
14255	3.3135	EA	10
14257-3	0.5553	EA	10
142574	1.1347	EA	2
14258-7	0.8572	EA	10
14258-9	1.1519	EA	10
14259-11	1.1447	EA	10
1426	0.3562	EA	25
14261-1	20.2520	EA	5
14261-2	21.4636	EA	5
14261-3	21.5378	EA	5
14261-4	20.3262	EA	5
14261-5	21.0680	EA	5
14261	21.5378	EA	5
14270	201.0167	EA	1
14271	225.5383	EA	1
14272	245.2162	EA	1
14273	283.0582	EA	1
14278	6.6023	EA	2
14279	10.0889	EA	2
1428	0.3629	EA	25
14280	6.8496	EA	2
14281	7.5667	EA	2
14282	7.3194	EA	2
14283	7.8387	EA	2
14284	11.4489	EA	1
14285	19.4112	EA	1
14286	19.4112	EA	1
14287	12.1289	EA	1
14288	20.1778	EA	1
14289	19.2629	EA	1
1429	0.1402	EA	50
14290	19.6461	EA	1
14291	14.0453	EA	1
14292	16.7901	EA	1
14293	18.1254	EA	1
14294	19.2629	EA	1
14295	20.4819	EA	1
14296	21.1916	EA	1
14297	6.5429	EA	2
14298	9.5696	EA	2
14299	6.9312	EA	2
14300	9.1987	EA	2
14301	7.5617	EA	2
14302	10.3832	EA	2
14303	7.6161	EA	2
14304	8.4074	EA	2
14305	5.9594	EA	1
14306	8.0860	EA	1
14307	8.0365	EA	1
14308	7.0968	EA	1
14309	6.3056	EA	1
1431	0.1949	EA	25
14310	7.6656	EA	1
14311	18.1254	EA	1
14312	19.0008	EA	1
14313	8.0612	EA	2
14314	7.9623	EA	2
14315	8.9020	EA	2
14316	11.5973	EA	2
14317	8.6547	EA	2
14318	5.8605	EA	2
14319	7.0721	EA	2
1432	0.2297	EA	25
14320	9.3718	EA	2
14321	7.6705	EA	2
14322	8.1849	EA	2
14323	9.5152	EA	2
14324	19.1392	EA	1
14325	19.1392	EA	1
143258	15.6456	EA	1
14326	18.9414	EA	1
14327	20.1778	EA	1
14328	6.6765	EA	2
14329	9.0009	EA	2
1433	0.1035	EA	50
14330	13.0562	EA	1
14331	8.2096	EA	2
14332	10.3362	EA	2
14333	10.8554	EA	2
14334	9.7427	EA	2
14335	8.2343	EA	2
14336	10.8554	EA	2
14337	10.6329	EA	2
14338	11.9929	EA	2
14339	7.2947	EA	2
14340	9.8589	EA	2
14341	7.6186	EA	2
14342	10.7318	EA	2
14343	8.4420	EA	2
14344	9.5152	EA	2
14345	8.2343	EA	2
14346	9.0998	EA	2
14347	9.5202	EA	2
14348	8.9267	EA	2
14349	13.0068	EA	1
1435	0.1808	EA	50
14350	13.6670	EA	1
14351	18.5705	EA	1
14352	19.7080	EA	1
14353	10.9049	EA	1
14354	24.8513	EA	1
14355	21.8345	EA	1
14356	19.9305	EA	1
14357	20.4745	EA	1
14358	21.9829	EA	1
1436	0.1514	EA	25
14360	19.8069	EA	2
14361	20.2767	EA	2
14362	11.5973	EA	2
14363	26.5328	EA	2
14365	22.8236	EA	2
14366	20.4992	EA	2
14367	21.0680	EA	2
14368	23.0215	EA	2
1437	0.3000	EA	25
14374	7.1710	EA	1
14375	7.9129	EA	1
14376	10.4598	EA	1
14377	19.4112	EA	1
1438	0.3931	EA	50
14382	2.0091	EA	5
14383	3.2695	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
14384	1.8908	EA	5
14385	1.8821	EA	5
14386	3.1546	EA	1
14388	0.3528	EA	50
14388A	3.7624	ST	1
1439	0.3928	EA	25
14391	1.9954	EA	5
14392	2.8918	ST	1
14394	4.0286	EA	1
14395	4.4647	EA	1
14399	5.4057	EA	2
144	0.0577	EA	100
14404	4.9043	EA	1
14405	2.6720	EA	5
14406	3.8980	EA	1
14416	3.5821	EA	1
14417	5.2272	EA	1
1442	0.3371	EA	25
144212	5.4154	EA	12
14422	6.1716	EA	1
14424	7.1058	EA	2
14425	7.5110	EA	2
14427	2.4144	EA	5
14428	5.0142	EA	1
14430	3.6885	EA	1
14433	3.2180	EA	1
14434	2.8196	EA	1
14435	3.5350	EA	1
14436	3.0566	EA	1
14437	3.8912	EA	1
14440	4.6330	EA	5
14441	3.6199	EA	5
14442	4.7881	EA	1
14444	5.2272	EA	1
14459	5.0407	EA	1
1446	0.4616	EA	50
14460	3.8912	EA	1
14461	6.2180	EA	1
14464	3.8960	EA	5
14465	4.1840	EA	5
14465A	6.6598	EA	1
14466	5.0440	EA	5
14466A	7.5277	EA	1
14467	5.4520	EA	5
14468	4.4647	EA	5
14474	0.3776	EA	25
14475	3.6473	EA	5
14478	5.5328	EA	1
14480	6.5915	EA	2
14481	6.2231	EA	1
14484	6.2195	EA	5
14485	4.2896	EA	10
14491	1.3600	EA	5
14493	2.0984	EA	1
145	0.0606	EA	100
1450	0.3071	EA	50
14500	103.6871	RL	1
14501	122.7594	RL	1
14502	125.6354	RL	1
14503	114.0709	RL	1
14512	210.5832	RL	1
14515	91.7290	RL	1
14516	118.3698	RL	1
14517	128.5114	RL	1
14518	123.5163	RL	1
14519	227.6575	RL	1
14521	226.5979	RL	1
14525	200.2901	RL	1
14528	201.3800	RL	1
1453	0.2747	EA	50
14531	2.1047	EA	4
14532	2.2310	EA	4
14533	2.8203	EA	4
14534	2.9256	EA	4
14535	2.7446	EA	4
14536	2.7782	EA	4
14537	3.2834	EA	4
14538	3.2834	EA	4
14539	2.7782	EA	4
1454	0.3889	EA	25
14542	6.1963	EA	4
14544	7.9287	EA	4
14545	8.3617	EA	4
14547	3.9839	EA	4
14550	4.4235	EA	4
14551	4.6983	EA	4
14552	4.3960	EA	4
14553	5.3302	EA	4
14558-1	7.4994	EA	4
14558-2	7.4616	EA	4
14558-3	10.0951	EA	4
14558-4	9.3636	EA	4
14558	7.3397	EA	4
14559-1	6.6456	EA	4
14559-2	6.9804	EA	4
14559-3	6.8001	EA	4
14559-4	6.9804	EA	4
14559-5	8.3456	EA	4
14559-6	14.6305	EA	4
14559	5.7303	EA	4
1456	1.0469	EA	25
14560-1	8.1931	EA	4
14560-2	10.2170	EA	4
14560	12.7042	EA	4
14565	7.2909	EA	4
14568	8.4126	EA	4
14570	10.3145	EA	4
14572	13.8746	EA	2
14574	6.6081	EA	4
14577	7.8761	EA	4
14578	7.2909	EA	4
14579	10.0707	EA	4
14580	10.1926	EA	4
1459	0.6886	EA	25
14597	2.8929	EA	4
14598	3.0669	EA	4
14599	3.2192	EA	4
146	0.0763	EA	100
14600	3.4367	EA	4
14602	3.5889	EA	4
14603	3.3497	EA	4
14604	3.3497	EA	4
14605	3.7630	EA	4
14606	4.3502	EA	4
14607	4.4155	EA	4
14608	6.9169	EA	2
14609	6.9169	EA	2
1461	0.8580	EA	25
146100	0.8922	EA	10
146102	0.8129	EA	10
146161	4.1552	EA	10
146165	1.4514	EA	10
1462	0.5095	EA	25
146226	2.9786	EA	10
146234	0.9609	EA	10
146295	1.0757	EA	10
1463	0.7549	EA	10
14630-1	1.9784	EA	5
14630-2	2.4836	EA	5
14630-3	2.1258	EA	5
14630-4	2.6520	EA	5
14630	1.8438	EA	5
14631	7.6955	EA	5
14632-1	3.5454	EA	5
14632	2.6145	EA	5
14633-1	4.7853	EA	5
14633-2	6.9386	EA	5
14633	5.9572	EA	5
14634-1	7.9609	EA	2
14634	7.0930	EA	2
1464	0.6108	EA	15
146465	1.7914	EA	10
14650	2.5046	EA	5
14651	2.7362	EA	5
14652	3.0098	EA	5
14653	3.2413	EA	5
14654	3.5570	EA	5
14655	3.6833	EA	5
14656	6.6510	EA	2
14657	8.5031	EA	2
14658	3.6760	EA	5
14659	3.2627	EA	5
1466	0.1552	EA	25
14660	3.6107	EA	5
14661	3.4584	EA	5
14662	4.1327	EA	5
14663	5.3073	EA	5
14664	7.4824	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
14665	7.4172	EA	2
146660	1.7490	EA	10
146830	2.3002	EA	10
147	0.1163	EA	50
1470	0.2004	EA	25
14701	3.3130	EA	5
14702	4.0044	EA	5
14703	4.0270	EA	5
14704	3.6870	EA	5
14705	4.6844	EA	5
14706	17.4795	EA	5
14707	4.3670	EA	5
14708	4.2000	EA	5
14709	8.7753	EA	5
14713	7.6195	EA	2
14716	10.9450	EA	2
14720	24.0239	EA	2
14723	6.8011	EA	5
14724	7.2699	EA	5
14727	8.3109	EA	5
14728	15.1865	EA	5
14729	19.2845	EA	2
14730	6.1984	EA	5
14731	4.6065	EA	5
14732	5.0599	EA	5
14733	4.2116	EA	5
14734	4.7473	EA	5
14735	5.2161	EA	5
14736	5.5840	EA	5
14737	12.7945	EA	5
14738	8.6540	EA	5
14739	7.9950	EA	5
14741	7.5072	EA	5
14743	9.7076	EA	2
14744	12.3641	EA	2
14746	24.5528	EA	2
14747	8.7285	EA	1
14748-1	8.9998	EA	5
14749	9.5109	EA	5
14750	10.4612	EA	5
14751	11.1504	EA	5
14752	12.2924	EA	5
14753	0.1781	EA	5
14755	19.1684	EA	5
14756	30.0691	EA	5
14757	27.2865	EA	5
14762	8.5952	EA	5
14764	9.5960	EA	5
14765	9.3192	EA	5
14766	8.9494	EA	5
14767	10.2908	EA	5
14768	14.8050	EA	5
14769	13.6339	EA	5
14771	18.1268	EA	5
14772	26.8934	EA	1
14774	49.3161	EA	2
14775	14.6638	EA	5
14777	11.3129	EA	5
14778	16.3136	EA	5
14780	24.1391	EA	2
14781	40.7775	EA	2
14784	4.0314	EA	5
14785	4.2733	EA	5
14786	4.1930	EA	5
14787	4.8393	EA	5
14788	4.5392	EA	5
14789	4.8162	EA	5
14790	5.9241	EA	5
14791	5.8463	EA	5
14792	9.7932	EA	5
14794	10.1856	EA	5
14795	9.2358	EA	5
14796	11.3859	EA	5
14797	9.4009	EA	5
14798	16.4176	EA	5
14799	13.1401	EA	5
148	0.0798	EA	50
1480	0.2648	EA	50
14801	33.2200	EA	1
14801A	15.8044	EA	2
14802	39.1600	EA	1
14802A	23.9784	EA	2
14803	51.4600	EA	1
14804	54.1200	EA	1
14805	61.3000	EA	1
14805A	34.3850	EA	2
14806	120.5400	EA	1
14807	76.8800	EA	1
14808	174.4600	EA	1
1481	0.4738	EA	10
1482	0.2960	EA	25
1483	0.2039	EA	50
1484	0.2333	EA	100
1485	0.9088	EA	25
1487	0.1696	EA	50
1488	0.4019	EA	50
14884	8.9600	EA	1
14885	8.9600	EA	1
1489	0.8241	EA	50
14896	0.4674	EA	100
14897	0.2722	EA	500
14898	0.7606	EA	100
14899	0.7146	EA	500
149	0.0776	EA	50
1490	0.1134	EA	50
14920	2.0500	EA	10
1495	0.2741	EA	100
1497	0.3414	EA	25
14971	201.8345	EA	1
14972	235.9924	EA	1
14973	270.4454	EA	1
14974	0.2708	EA	50
14974A	276.8336	EA	1
14975	0.2336	EA	50
14975A	410.9123	EA	1
14976	540.1536	EA	1
14982	4.3617	EA	5
14988	3.8912	EA	5
1499	0.5997	EA	25
14993	7.1813	EA	1
150	2.9120	EA	5
1500	0.7553	EA	50
15000	0.4468	EA	50
1501	0.7553	EA	50
1502	0.7553	EA	50
15020	91.0288	EA	1
15021	94.4546	EA	1
15022	101.6325	EA	1
15023	107.5869	RL	1
15024	130.2625	RL	1
15025	166.2335	RL	1
15026	181.4866	RL	1
1503-78303-	47.7500	EA	1
1503	0.4512	EA	50
15033	7.7698	EA	2
15035	28.2200	EA	1
15035A	4.7917	EA	5
15036	4.1628	EA	5
15038	4.6419	EA	5
1504	0.3769	EA	50
15040	8.2057	EA	2
15041	8.4753	EA	2
15044	5.5703	EA	2
15047	3.3520	EA	5
1505	0.5521	EA	50
15053	1.2304	EA	25
15053A	5.0348	EA	1
15054	0.6400	EA	25
15055	0.4920	EA	50
15056	1.3200	EA	25
15057	0.9184	EA	25
15057A	10.3272	EA	1
15058	0.9184	EA	25
15058A	10.4612	EA	2
15059	1.6152	EA	25
1506	0.3853	EA	50
15060	0.5372	EA	50
15060A	6.8688	EA	1
15061	0.6764	EA	50
15062	3.3000	EA	10
15065	0.5412	EA	50
15065A	3.5339	EA	5
15066	0.8280	EA	25
15066A	3.2867	EA	5
15067	1.3040	EA	25
15069	8.2151	EA	2
1507	0.7639	EA	25
15070	7.0677	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
15071	7.3073	EA	5
15072	9.8828	EA	5
15073	7.7266	EA	5
15075	10.2422	EA	2
15077	10.7214	EA	2
1508	0.4071	EA	25
15081	6.6662	EA	5
15083	4.7773	EA	5
15084	4.9043	EA	5
15086	6.0342	EA	1
15087	6.2884	EA	5
15089	12.1337	EA	1
1509	0.2758	EA	50
15090	12.1990	EA	2
15092	14.5880	EA	1
15093	9.5849	EA	2
15094	14.5880	EA	1
150A	0.1420	EA	50
150AGF	63.9897	BX	1
150ECCN	2.3729	EA	20
150ECCP	2.8342	EA	20
150EMT	1.6677	EA	10
150ESCN	1.4618	EA	25
150ESCP	1.5219	EA	25
150OFN	4.4387	EA	5
150SEF	131.1519	BX	1
150SUL	186.2269	BX	1
151	3.3640	EA	5
1510	0.2332	EA	50
15100	2.0380	EA	4
15101	2.5119	EA	4
15102	2.5830	EA	4
15104	4.1470	EA	4
15106	4.8106	EA	4
15107	5.9243	EA	2
15108	7.5358	EA	2
1511	0.2508	EA	50
15111	9.8780	EA	1
15112	3.0587	EA	4
15113	3.6855	EA	4
15114	3.7965	EA	4
15115	3.7857	EA	4
15116	4.7635	EA	4
15117	6.9447	EA	2
15118	11.2068	EA	2
15119	11.1817	EA	2
1512	0.1808	EA	50
15120	14.5663	EA	2
15124	3.9362	EA	2
15125	15.6093	EA	2
15126	5.6688	EA	2
15127	7.2483	EA	1
15128	6.9021	EA	1
15129-1	8.1506	EA	2
15129	6.9238	EA	2
1514	0.5801	EA	50
15141	7.7676	EA	2
15142	6.8588	EA	4
15143	6.9238	EA	4
15144	8.0792	EA	1
1515	0.2237	EA	50
15150	3.8505	EA	5
15153	12.4085	EA	2
15154	9.0862	EA	2
15157	4.9661	EA	5
15158	0.8040	EA	25
15158A	6.8516	EA	5
15159	0.9680	EA	25
15159A	4.9043	EA	5
15160	0.9680	EA	25
15160A	5.9005	EA	5
15161	1.2304	EA	25
15162	1.2464	EA	25
15162A	6.7038	EA	5
15163	1.2632	EA	25
15164	1.2544	EA	25
15165	1.4600	EA	25
15166	1.7840	EA	10
15166A	8.3106	EA	5
15167	1.7840	EA	10
15168	1.8040	EA	10
15169	1.7840	EA	10
15169A	10.3328	EA	2
1517	0.4204	EA	25
15184	17.6400	EA	1
15184A	1.6050	EA	1
15185	2.1016	EA	1
15186	2.9708	EA	1
15187	3.7092	EA	1
1519	0.2972	EA	25
151A	0.1436	EA	50
152	3.3640	EA	5
15204	0.2132	EA	100
15205	0.2194	EA	100
15206	0.2644	EA	100
15207	0.3034	EA	100
15208	0.4592	EA	100
15209	1.0416	EA	50
1522	0.6341	EA	25
15225	10.6803	EA	2
1523	0.3532	EA	25
1524	0.5724	EA	25
1525	0.2594	EA	25
15250	1.4840	EA	5
15251	1.6536	EA	5
15252	2.8620	EA	5
15253	3.3390	EA	2
15254	4.8018	EA	2
15255	6.9430	EA	2
15256	0.5207	EA	5
15257	1.1660	EA	5
15258	1.1660	EA	5
15259	2.5483	EA	2
15260	1.8444	EA	1
15261	1.8444	EA	2
15262	3.3898	EA	2
15263	3.3898	EA	2
15264	2.5334	EA	2
15265	2.5334	EA	2
15266	4.7360	EA	2
15267	4.8082	EA	2
15268	4.8322	EA	2
15269	3.6040	EA	2
1527	0.3389	EA	25
15270	3.6040	EA	2
15271	1.2508	EA	5
15272	1.3250	EA	5
15273	2.3320	EA	5
15274	3.7744	EA	2
15275	2.8302	EA	2
15276	5.5862	EA	2
15277	1.2826	EA	5
15278	1.7278	EA	5
15279	1.7808	EA	5
15280	4.8027	EA	2
15281	2.9256	EA	2
15282	3.1270	EA	2
15283	1.9080	EA	5
15284	3.6968	EA	5
15285	2.6818	EA	5
15286	8.3099	EA	2
15287	5.7770	EA	2
15288	6.4978	EA	2
15289	1.3462	EA	5
1529	0.4131	EA	50
15290	2.0352	EA	5
15291	3.0422	EA	5
15292	3.8796	EA	2
15293	4.6004	EA	2
15294	5.9572	EA	2
15295	0.6996	EA	5
15296	2.6667	EA	5
15297	1.4522	EA	5
15298	1.9398	EA	2
15299	2.0882	EA	2
153	3.5680	EA	5
1530	0.6636	EA	50
15300	2.5334	EA	2
15301	5.0894	EA	5
15302	5.4404	EA	5
15303	6.0672	EA	5
15304	7.8974	EA	2
15305	6.6689	EA	2
15306	8.6997	EA	2
15307	1.9928	EA	5
15308	2.0882	EA	5
15309	2.6076	EA	5
1531	0.8151	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
15310	7.1868	EA	2
15311	7.1868	EA	2
15312	8.9782	EA	2
15326	2.5864	EA	5
15327	3.2966	EA	5
15328	3.7630	EA	5
15329	9.6805	EA	2
1533	0.1939	EA	50
15330	8.4588	EA	2
15331	11.4798	EA	2
15332	2.6520	EA	5
15333	3.8575	EA	5
15334	5.6255	EA	5
15335	9.2822	EA	2
15336	11.4118	EA	2
15337	19.4081	EA	2
15338	1.9398	EA	5
15339	3.0316	EA	5
1534	0.7986	EA	25
15340	3.0316	EA	5
15341	3.2330	EA	2
15342	3.1376	EA	2
15343	3.1376	EA	2
15344	6.8712	EA	2
15345	3.8266	EA	2
15346	3.8266	EA	2
15347	3.8266	EA	2
15348	10.0054	EA	2
15349	10.0054	EA	2
15350	5.4484	EA	2
15351	5.6074	EA	2
15352	10.0858	EA	2
15353	1.8656	EA	5
15354	2.0882	EA	5
15355	2.7030	EA	5
15356	3.2330	EA	2
15357	6.7908	EA	2
15358	7.0490	EA	2
15359	1.7596	EA	5
15360	2.5228	EA	5
15361	2.6818	EA	5
15362	3.3284	EA	2
15363	7.1974	EA	2
15364	7.7698	EA	2
15365	3.1827	EA	5
15366	4.7304	EA	5
15367	4.6846	EA	5
15368	14.8798	EA	2
15369	3.1058	EA	5
1537	0.2355	EA	25
15370	24.2000	EA	1
15370A	3.3602	EA	5
15371	27.4800	EA	1
15371A	4.3354	EA	5
15372	31.7800	EA	1
15372A	6.4342	EA	2
15373	8.3210	EA	2
15374	12.3490	EA	2
15375	2.0882	EA	5
15376	2.4168	EA	5
15377	3.1482	EA	5
15378	3.3814	EA	2
15379	4.8124	EA	2
1538	0.3684	EA	25
15380	5.4166	EA	2
15381	8.1533	EA	5
15382	9.5134	EA	5
15383	10.3245	EA	5
15385	14.6973	EA	2
15386	15.6675	EA	2
15387	20.1332	EA	2
15388	0.5538	EA	5
15389	0.5538	EA	5
15390	0.5538	EA	5
15391	0.6294	EA	5
15392	0.6672	EA	5
15393	0.8995	EA	5
15394	0.5538	EA	5
15395	0.5776	EA	5
15396	0.6294	EA	5
15397	1.2335	EA	5
15398	0.7049	EA	5
15399	0.8043	EA	5
154	3.8960	EA	5
15400	126.2833	RL	1
15401	144.9149	RL	1
15402	171.3097	RL	1
15403	215.4356	RL	1
15404	249.5071	RL	1
15405	319.5863	RL	1
15410	5.1847	EA	4
15411	5.2129	EA	4
15412	5.9231	EA	4
15413	6.8786	EA	4
15414	7.7372	EA	4
15415	9.2889	EA	4
15416	10.5019	EA	4
1542	0.1508	EA	50
15420	5.0240	EA	4
15421	5.9619	EA	4
15423	10.8332	EA	4
15424	7.1341	EA	4
15425	9.6948	EA	4
15426	12.5282	EA	4
15427	11.9272	EA	4
1543	0.1574	EA	100
15433	15.4302	EA	4
15434	16.9929	EA	4
15435	9.2483	EA	4
15436	10.4504	EA	4
15437	35.6650	EA	4
1544	0.8431	EA	25
15440	8.7503	EA	4
15441	12.5625	EA	4
15442	8.5754	EA	2
15443	11.0442	EA	2
15450	0.8799	EA	5
15451	1.2845	EA	5
15452	1.5002	EA	5
15453	0.9694	EA	5
15454	1.1266	EA	5
15455	1.2399	EA	5
15456	1.0688	EA	5
15457	1.2777	EA	5
15458	1.5599	EA	5
15460	1.4416	EA	5
15461	1.4840	EA	5
15462	1.8444	EA	5
15463	2.7560	EA	2
15464	3.3814	EA	2
15465	3.4450	EA	2
15466	2.8408	EA	5
15467	3.0634	EA	5
15468	6.9642	EA	5
15469	7.1762	EA	2
15470	8.9358	EA	2
15471	9.6036	EA	2
15472	3.6782	EA	5
15473	5.0138	EA	5
15474	6.8582	EA	5
15475	12.7306	EA	2
15476	16.2392	EA	2
15477	24.9948	EA	2
15480	25.8345	EA	1
15481	30.5039	EA	1
15482	36.2840	EA	1
15483	59.9938	EA	1
15484	59.9938	EA	1
15485	78.7167	EA	1
15490	29.6199	EA	1
15491	33.2204	EA	1
15492	48.4336	EA	1
15493	69.0570	EA	1
15494	69.0570	EA	1
15495	93.9490	EA	1
155-90	102.5617	EA	1
155	6.3960	EA	5
1550	0.4154	EA	25
15501	3.4172	EA	5
15502	3.9324	EA	5
15503	3.8637	EA	5
15505	5.7870	EA	5
15506	7.2608	EA	1
15511	4.2415	EA	2
15512	4.6364	EA	2
15513	5.8213	EA	2
15514	5.8041	EA	2
15515	5.4504	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
1552	0.4831	EA	25
15520	3.7244	EA	5
15521	3.8980	EA	4
15523	4.8425	EA	5
15524	4.8940	EA	10
15525	0.1640	EA	50
15525A	4.9402	EA	2
15526	0.1680	EA	50
15526A	6.2678	EA	1
15527	6.5597	EA	1
15528	11.8315	EA	5
15531	2.9673	EA	5
15532	5.1750	EA	5
15533	3.5237	EA	10
15534	5.4154	EA	5
15535	6.7878	EA	10
15536	3.3339	EA	5
15537	3.0838	EA	5
15538	3.5350	EA	5
15540	3.8532	EA	5
15541	5.2649	EA	5
15542	5.8416	EA	10
15543	4.6779	EA	5
15545	4.1453	EA	5
15547	5.1207	EA	5
15550	4.7062	EA	5
15553	6.6569	EA	5
15555	9.5830	EA	10
15558	5.2182	EA	5
15560	4.3648	EA	5
15562	5.2182	EA	5
15565	4.7549	EA	5
15568	6.9251	EA	5
15570	8.2906	EA	10
1559	0.2863	EA	25
15600	4.0810	EA	5
15601	3.8902	EA	5
15602	16.2000	EA	2
15602A	2.3956	EA	5
15603	16.2000	EA	2
15603A	1.9610	EA	5
15604	16.8100	EA	2
15604A	1.9398	EA	5
15605	18.3500	EA	2
15605A	4.4732	EA	5
15606	18.2500	EA	2
15606A	5.0244	EA	5
15607	18.2500	EA	2
15607A	2.3108	EA	5
15608	21.0100	EA	2
15608A	0.8268	EA	5
15609	21.0100	EA	2
15609A	1.9610	EA	5
15610	20.5000	EA	2
15610A	1.9610	EA	5
15611	20.5000	EA	2
15611A	2.3956	EA	5
15612	29.6200	EA	2
15612A	4.3354	EA	5
15613	29.6200	EA	2
15613A	5.0244	EA	2
15614	1.4098	EA	2
15615	30.9600	EA	2
15615A	2.3108	EA	2
15616	3.4238	EA	2
15617	5.0244	EA	2
15618	14.7600	EA	2
15618A	5.2364	EA	2
15619	14.4500	EA	2
15619A	11.5434	EA	2
1562-1144-	0.9281	EA	100
1562-1145-	0.7783	EA	100
1562	0.3846	EA	25
15620	15.8900	EA	2
15620A	5.0244	EA	2
15621	14.9700	EA	2
15621A	7.3776	EA	2
15622	18.0400	EA	2
15622A	18.8574	EA	2
15623	19.0700	EA	2
15623A	5.7664	EA	2
15624	18.1400	EA	2
15624A	11.4904	EA	2
15625	18.1400	EA	2
15625A	11.9780	EA	2
15626	17.6300	EA	2
15626A	9.7944	EA	2
15628	18.2500	EA	2
15630	17.0200	EA	2
15632	6.0280	EA	5
15632A	3.3072	EA	5
15633	3.4450	EA	5
15634	4.4732	EA	2
15635	5.6816	EA	2
1564	0.3906	EA	25
15640	2.6606	EA	5
15641	2.5652	EA	5
15642	2.7030	EA	5
15643	1.9398	EA	5
15644	2.6076	EA	5
15645	2.1200	EA	5
15647	2.7030	EA	5
15648	1.2508	EA	5
15649	1.9398	EA	5
15650	1.9398	EA	5
15651	2.8196	EA	5
15652	3.4026	EA	5
15653	5.7664	EA	2
15654	1.7278	EA	2
15655	2.7030	EA	2
15656	3.5192	EA	2
15657	5.7664	EA	2
15658	6.0314	EA	2
15659	12.0840	EA	2
1566	0.5955	EA	25
15660	5.7664	EA	2
15662	19.8114	EA	2
15663	9.0524	EA	2
15664	11.6706	EA	1
15666	12.3172	EA	2
15667	18.9846	EA	2
1567	0.9109	EA	25
15672	3.1800	EA	5
15673	2.4910	EA	5
15674	3.2118	EA	2
15675	5.7452	EA	2
1568	0.6303	EA	25
15680	0.7738	EA	10
15681	1.4522	EA	5
15682	2.2366	EA	5
15683	2.3108	EA	5
15688	10.6600	EA	1
15688A	0.7102	EA	5
15689	18.4600	EA	1
15689A	0.8056	EA	5
1569	0.5955	EA	25
15690	0.8480	EA	5
15691	15.5800	EA	1
15691A	0.6890	EA	5
15692	28.6600	EA	1
15692A	0.6890	EA	5
15693	33.4200	EA	1
15693A	1.6218	EA	5
15694	30.9600	EA	1
15694A	1.6218	EA	5
15695	1.6218	EA	5
15696	1.0388	EA	5
15697	1.0388	EA	5
15698	1.0600	EA	5
15699	1.6536	EA	5
1570	0.6303	EA	25
15700	1.6536	EA	5
15701	2.8620	EA	2
15702	2.8620	EA	2
15703	2.8620	EA	2
15704	3.7524	EA	2
15705	0.4468	EA	50
15705A	3.7524	EA	2
15706	0.5576	EA	50
15706A	3.7524	EA	2
15707	3.7524	EA	2
15708	7.0490	EA	2
15709	7.0490	EA	2
1571	0.6303	EA	25
15710	7.0490	EA	2
15711	7.0490	EA	2
15716	0.3392	EA	10
15717	0.3392	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
15718.....	0.5300	EA	10
15719.....	0.2968	EA	10
1572.....	0.6303	EA	25
15720.....	0.6042	EA	10
15721.....	0.4770	EA	10
15722.....	1.1236	EA	5
15723.....	1.6218	EA	5
15724.....	2.3532	EA	5
15725.....	4.3354	EA	2
15730.....	0.2332	EA	10
15731.....	0.2332	EA	10
15732.....	0.7738	EA	10
15733.....	0.3392	EA	10
15734.....	1.0812	EA	10
15735.....	0.7738	EA	10
15736.....	1.6536	EA	5
1574.....	0.7124	EA	25
15741.....	0.2968	EA	5
15742.....	0.2968	EA	5
15743.....	0.3604	EA	5
15744.....	0.2968	EA	5
15745.....	0.8268	EA	5
15746.....	0.6042	EA	5
15747.....	1.1448	EA	5
15748.....	2.0458	EA	5
15749.....	2.6818	EA	2
1575.....	0.5135	EA	25
15750.....	4.4732	EA	2
15755.....	0.6254	EA	5
15756.....	0.6466	EA	5
15757.....	0.6042	EA	5
15758.....	0.6042	EA	5
15759.....	0.6042	EA	5
1576.....	0.3172	EA	25
15760.....	1.0176	EA	5
15761.....	1.0176	EA	5
15762.....	1.0176	EA	5
15763.....	1.8656	EA	5
15764.....	1.9398	EA	5
15765.....	1.8656	EA	5
15766.....	1.9398	EA	5
15767.....	2.6076	EA	5
15768.....	4.3566	EA	2
15769.....	4.3566	EA	2
1577.....	0.6947	EA	25
15770.....	6.7734	EA	2
15771.....	15.5290	EA	2
15772.....	6.7734	EA	2
15777.....	6.2010	EA	2
15778.....	6.2010	EA	2
15779.....	3.7524	EA	2
1578.....	0.3327	EA	25
15780.....	4.7064	EA	2
15781.....	8.1408	EA	2
15782.....	14.9778	EA	2
15783.....	19.7478	EA	2
15784.....	33.6232	EA	2
15789.....	2.3108	EA	5
1579.....	0.8374	EA	25
15790.....	2.2154	EA	5
15791.....	1.8020	EA	5
15792.....	0.7102	EA	5
15793.....	3.4238	EA	2
15794.....	1.1978	EA	2
15795.....	3.0104	EA	2
15796.....	4.1022	EA	2
15797.....	4.9184	EA	2
15798.....	8.2362	EA	2
158.....	3.6480	EA	5
15802.....	3.0528	EA	5
15804.....	0.7738	EA	2
15805.....	5.2152	EA	2
15806.....	1.2296	EA	2
15807.....	4.0174	EA	2
15808.....	5.0244	EA	2
15809.....	6.1692	EA	2
1581.....	0.4772	EA	25
15810.....	9.7944	EA	2
15815.....	1.1236	EA	10
15816.....	1.1236	EA	10
15817.....	1.1236	EA	10
15818.....	0.4134	EA	10
15819.....	2.2578	EA	5
15820.....	0.8798	EA	5
15821.....	2.0776	EA	5
15822.....	2.0776	EA	5
15823.....	4.0174	EA	5
15824.....	4.0174	EA	5
15825.....	3.1270	EA	5
15826.....	4.8866	EA	5
158265.....	0.1126	EA	100
15827.....	8.9040	EA	5
1583.....	0.6185	EA	25
15832.....	2.0776	EA	10
15833.....	2.0776	EA	10
15834.....	1.1978	EA	10
15835.....	0.6042	EA	10
15836.....	2.3532	EA	5
15837.....	2.9920	EA	5
15837A.....	1.3038	EA	5
15838.....	2.7880	EA	5
15838A.....	3.1270	EA	5
15839.....	3.6480	EA	5
15839A.....	4.7700	EA	5
15840.....	4.3880	EA	5
15840A.....	6.2434	EA	5
15841.....	4.7960	EA	5
15841A.....	13.5998	EA	5
15843.....	7.0700	EA	2
15844.....	9.2300	EA	2
15845.....	0.7384	EA	25
15846.....	1.8232	EA	5
15847.....	1.7596	EA	5
15848.....	2.1200	EA	5
15849.....	0.7952	EA	25
15849A.....	1.8868	EA	5
15850.....	2.0458	EA	2
15851.....	2.5864	EA	2
15852.....	3.7524	EA	2
15857.....	4.1446	EA	1
15858.....	13.6300	EA	2
15858A.....	2.2154	EA	5
15859.....	13.6300	EA	2
15859A.....	4.2612	EA	5
15864.....	2.0246	EA	5
15865.....	3.4768	EA	5
15869.....	2.8620	EA	5
15870.....	4.2824	EA	5
15871.....	4.9184	EA	5
15872.....	2.4910	EA	5
15873.....	2.4910	EA	5
15875.....	1.8868	EA	5
15876.....	3.9861	EA	5
15877.....	2.9786	EA	5
15878.....	0.6890	EA	5
15879.....	3.2330	EA	5
15880.....	3.1058	EA	5
15881.....	4.1446	EA	5
15882.....	1.6536	EA	5
15883.....	1.4946	EA	5
15884.....	1.8232	EA	5
15885.....	1.8232	EA	5
15886.....	4.8124	EA	2
15887.....	4.8124	EA	2
15888.....	4.8124	EA	2
15889.....	5.7028	EA	2
15890.....	5.7028	EA	2
15891.....	5.7028	EA	2
15892.....	5.7028	EA	2
15893.....	7.2610	EA	2
15894.....	7.0490	EA	2
15895.....	7.0490	EA	2
15896.....	9.0524	EA	2
15897.....	9.0524	EA	2
15898.....	9.0524	EA	2
15899.....	9.4234	EA	2
158A.....	0.5696	EA	50
159.....	3.8960	EA	5
15900.....	10.0806	EA	2
15901.....	7.4942	EA	2
15902.....	7.4942	EA	2
15903.....	7.4942	EA	2
15904.....	15.7092	EA	2
15905.....	11.8826	EA	2
15906.....	11.8826	EA	2
15907.....	12.0946	EA	2
15912.....	3.6782	EA	5
15913.....	3.4450	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
15914	6.1692	EA	2
15915	6.4660	EA	2
15916	0.2596	EA	1
15917	0.2796	EA	5
15918	0.3498	EA	5
15920	0.8006	EA	1
15922	0.2226	EA	5
15923	0.3710	EA	5
15938	0.2226	EA	5
15943	0.1839	EA	5
15945	0.3180	EA	5
15958	0.3286	EA	5
15959	0.4876	EA	5
15960	0.6254	EA	5
15964	0.2791	EA	5
15965	0.2332	EA	5
15966	0.4028	EA	5
15976	0.2544	EA	5
15977	0.2862	EA	5
15978	0.5194	EA	5
15986	0.2862	EA	5
15994	2.7246	EA	5
15995	3.0724	EA	1
15996	3.1579	EA	5
159A	0.4592	EA	50
16	0.8586	EA	25
160	3.3640	EA	5
16000	1.3360	EA	4
16001	2.0778	EA	4
16002	1.8683	EA	4
16003	2.3354	EA	4
16004	101.2800	EA	1
16004A	3.7918	EA	4
16005	2.1019	EA	4
16006	3.3898	EA	4
16007	3.3898	EA	4
16008	2.8506	EA	4
16009	5.2890	EA	2
16010	5.1585	EA	2
16011	6.9684	EA	2
16012	9.6992	EA	2
16013	1.3368	EA	4
16014	1.6932	EA	4
16015	1.7000	EA	4
16016	2.7077	EA	4
16017	2.1225	EA	4
16018	2.1293	EA	4
16019	1.8158	EA	2
16020	5.4676	EA	2
16021	3.3417	EA	2
16022	5.4155	EA	2
16023	6.4670	EA	2
16024	4.5712	EA	2
16025	5.2561	EA	2
16026	5.5746	EA	2
16027	0.5291	EA	4
16028	0.6521	EA	4
16029	0.8367	EA	4
1603	2.3289	EA	25
16030	1.4047	EA	4
16031	2.3285	EA	2
16032	3.8225	EA	2
16033	1.0313	EA	4
16034	1.1636	EA	4
16035	1.4545	EA	4
16036	1.9305	EA	4
16037	2.8825	EA	2
16038	8.6210	EA	2
16039	2.6033	EA	4
1604	0.5118	EA	25
16040	2.8368	EA	4
16041	4.5609	EA	4
16042	6.0411	EA	4
16043	8.6787	EA	2
16044	15.9184	EA	2
16045	4.3789	EA	4
16046	5.2306	EA	4
16047	5.9140	EA	4
16048	8.7749	EA	4
16049	13.1538	EA	2
16050	19.0472	EA	2
16051	4.0766	EA	4
16052	4.1350	EA	4
16053	5.5225	EA	4
16054	7.2741	EA	4
16055	10.8664	EA	2
16056	17.7799	EA	2
16057	29.9743	EA	2
16058	3.0257	EA	4
16059	3.8500	EA	4
16060	4.7051	EA	4
16061	6.0858	EA	4
16062	9.6816	EA	2
16063	17.5326	EA	2
16064	4.8562	EA	4
16065	5.5328	EA	4
16066	9.6953	EA	4
16067	15.2899	EA	2
16068	20.1118	EA	2
16069	3.9805	EA	4
16070	4.2484	EA	4
16071	4.7979	EA	4
16072	6.7417	EA	4
16073	10.6020	EA	2
16074	16.5401	EA	2
16075	29.1024	EA	2
16076	1.8974	EA	4
16077	2.3108	EA	4
16078	2.7348	EA	4
16079	3.6040	EA	2
16082	4.0595	EA	4
16083	4.7635	EA	4
16084	6.7589	EA	4
16085	9.3656	EA	4
16086	13.2808	EA	2
16087	20.7300	EA	2
16088	43.1845	EA	2
16090	4.7793	EA	5
16091	5.3402	EA	5
16092	7.9493	EA	5
16093	10.1926	EA	5
16094	15.1182	EA	5
16095	31.6020	EA	2
160A	0.2660	EA	50
161	3.3640	EA	5
1611	0.4152	EA	25
1612	0.2991	EA	50
1613	0.7035	EA	25
1617	0.3143	EA	50
161789	6.0400	EA	1
1618	0.4899	EA	25
1619	0.4401	EA	25
162	3.9760	EA	5
16202	1.0828	EA	5
16203	1.1941	EA	5
16204	1.2802	EA	5
16205	2.7132	EA	5
16206	2.7681	EA	2
16207	4.6090	EA	2
16208	3.9805	EA	2
16209	5.6049	EA	2
16210	6.0403	EA	2
16211	9.7157	EA	1
16212	29.6650	EA	1
16215	4.7841	EA	5
16216	3.4619	EA	5
16217	5.7835	EA	5
16218	7.7995	EA	5
16219	10.6398	EA	2
1622	0.5593	EA	25
16220	15.1217	EA	2
16221	14.0948	EA	2
16222	14.9108	EA	2
16228	3.5615	EA	5
16229	5.4023	EA	5
16230	5.1351	EA	5
16231	5.2993	EA	5
16232	7.0783	EA	5
16233	4.5471	EA	5
16234	7.0543	EA	5
16235	8.1189	EA	5
16236	8.0125	EA	5
16237	5.6874	EA	5
16238	8.9363	EA	5
16239	9.9254	EA	2
16240	6.7898	EA	2
16241	7.8469	EA	2
16242	10.7634	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
16244	17.5979	EA	2
16245	14.9946	EA	2
16246	30.0116	EA	1
16247	39.5093	EA	1
16250	2.0915	EA	5
16251	2.8302	EA	5
16252	3.2730	EA	2
16253	4.3205	EA	2
16254	2.4041	EA	2
16255	2.8471	EA	2
16256	3.0532	EA	2
16257	5.3851	EA	1
16258	8.9191	EA	1
16259	21.0357	EA	1
16260	4.3294	EA	5
16261	4.8462	EA	5
16262	5.4538	EA	2
16263	7.2761	EA	2
16264	7.0948	EA	2
16265	6.9512	EA	2
16266	7.0646	EA	2
16267	10.2002	EA	1
16268	15.2549	EA	1
16269	37.4913	EA	1
16270	0.1555	EA	5
16274	0.7762	EA	2
16275	70.8800	EA	1
16276	59.6800	EA	1
16277	156.7000	EA	1
16278	168.3200	EA	1
16279	17.6800	EA	1
1628	0.8688	EA	50
16280	26.0400	EA	1
16285	1.5523	EA	2
16286	1.7299	EA	2
16287	2.1980	EA	2
16288	4.0064	EA	2
16289	6.5561	EA	2
16290	18.0512	EA	1
16295-1	1.2268	EA	5
16295-2	1.0976	EA	5
16295-3	1.2590	EA	5
16295-4	1.2268	EA	5
16295-5	1.6465	EA	5
16295-6	2.1307	EA	2
16295-7	4.0031	EA	2
16295-8	5.1331	EA	2
16295-9	5.1008	EA	2
16295	1.0815	EA	5
163	4.4680	EA	5
1630	0.0694	EA	100
16300-1	0.7264	EA	25
16300-10	1.6006	EA	15
16300-11	3.1476	EA	15
16300-12	4.6004	EA	15
16300-2	0.3180	EA	25
16300-3	0.5194	EA	25
16300-4	0.5194	EA	25
16300-5	0.5194	EA	25
16300-6	0.6890	EA	25
16300-7	0.6890	EA	25
16300-8	2.2598	EA	15
16300-9	1.4734	EA	15
16300	0.7264	EA	25
16303	1.8617	EA	5
16306	1.5071	EA	5
16307	1.1080	EA	10
16307A	0.9803	EA	5
16311	2.2255	EA	5
16314	3.2318	EA	5
16315	1.8028	EA	2
16317	2.8643	EA	2
16321	5.6444	EA	1
16322	5.3336	EA	1
16323	9.2179	EA	2
16324	7.2981	EA	2
16325	11.9687	EA	1
16326	11.9687	EA	1
16327	22.1642	EA	1
1633	0.2863	EA	50
16330-1	2.8368	EA	5
16330-2	5.7142	EA	5
16330-3	10.3746	EA	5
16330-4	4.2552	EA	5
16330-5	3.4852	EA	5
16330-6	4.9036	EA	5
16330-7	6.2410	EA	2
16330-8	6.5733	EA	2
16330-9	12.0767	EA	2
16330	3.9715	EA	5
16333	2.8609	EA	5
16339	3.2146	EA	5
16346	6.4395	EA	2
16349	3.4080	EA	2
16352	2.7940	EA	2
16353	3.3554	EA	2
16354	4.5114	EA	2
16358	3.8993	EA	2
16359	6.5872	EA	2
1636	0.2649	EA	25
16360	7.6145	EA	2
16361	6.7314	EA	2
16362	7.8293	EA	2
16363	14.3695	EA	1
16364	13.2705	EA	1
16365	35.7178	EA	1
16370	2.2133	EA	5
16372	4.4877	EA	5
16373	5.9113	EA	2
16375	3.7881	EA	5
16376	3.1425	EA	5
16377	4.3583	EA	5
16378	4.0595	EA	5
16379	5.7217	EA	5
1638	0.6149	EA	10
16380	5.3130	EA	5
16381	4.5849	EA	2
16382	5.9930	EA	2
16383	6.0102	EA	2
16384	8.7199	EA	2
16385	8.0193	EA	2
16386	16.5916	EA	2
1639	0.2881	EA	25
16390	4.8906	EA	5
16391	5.0554	EA	5
16392	5.1928	EA	5
16397	8.3614	EA	2
16398	8.6918	EA	2
16399	10.3336	EA	2
164	4.3480	EA	5
16406	4.6254	EA	5
16407	5.0321	EA	5
16408	5.1846	EA	5
1641	0.2431	EA	25
16412	6.8619	EA	2
16414	11.3857	EA	2
16415-1	15.3998	EA	5
16415-2	18.6824	EA	5
16415-3	8.8828	EA	5
16415-4	12.8467	EA	5
16415-5	12.3914	EA	2
16415-6	20.9519	EA	2
16415	6.9430	EA	5
16416-1	16.0888	EA	5
16416-2	16.0888	EA	5
16416-3	18.1418	EA	5
16416-4	30.7247	EA	2
16416-5	23.1808	EA	2
16416-6	37.7702	EA	2
16416	18.9661	EA	5
16417-2	8.9562	EA	5
16417-3	5.7664	EA	5
16417-5	7.1656	EA	2
16417-6	8.9570	EA	2
16417-8	19.9793	EA	2
16417-9	30.7188	EA	2
16418-3	6.6730	EA	5
16418-4	8.2632	EA	5
16418-5	6.6569	EA	2
16418-6	10.3547	EA	2
16418-7	12.8137	EA	2
16418-9	12.1574	EA	2
16418	2.9089	EA	5
1642	0.2668	EA	25
16420	20.7000	EA	1
16420A	3.8122	EA	5
16421	4.1680	EA	5
16422	4.3205	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
16423	5.4387	EA	5
16425	7.2686	EA	2
16427	10.2217	EA	2
16431	5.7492	EA	5
16432	6.7589	EA	5
16433	8.2632	EA	5
16434	7.0783	EA	5
16435	14.5103	EA	5
16436	11.0313	EA	2
16437	19.5211	EA	2
16438	14.5103	EA	2
16439	24.6933	EA	2
1644	0.3898	EA	25
16440	31.5327	EA	1
16441	43.5839	EA	1
16445	3.2043	EA	5
16446	2.8076	EA	5
16447-1	4.8906	EA	1
16447	3.9702	EA	5
16449	6.2609	EA	2
16450	9.0084	EA	2
16452	17.9276	EA	2
16453	20.1943	EA	1
16455	70.3966	EA	1
16461	3.2311	EA	5
16465	4.1542	EA	5
16469	7.1710	EA	2
16471	8.4521	EA	2
16474	11.0203	EA	2
16475	17.6872	EA	2
16477	24.3197	EA	1
16478	24.6865	EA	1
1648	0.1800	EA	25
16480	4.3273	EA	5
16481-1	39.0079	EA	2
16481	4.7889	EA	5
16482-1	81.0079	EA	1
16482	5.9717	EA	5
16483	4.7024	EA	5
16484	0.1753	EA	1000
16484A	6.5776	EA	5
16485	0.1734	EA	1000
16485A	8.4239	EA	2
16486	0.3378	EA	500
16486A	11.4242	EA	2
16487	0.2142	EA	1000
16488	0.2142	EA	1000
16488A	17.4248	EA	2
16489	0.3309	EA	500
16498	6.3742	EA	5
16499	7.6690	EA	5
165	4.5920	EA	5
16502	9.4206	EA	5
16504	16.2413	EA	2
16507	19.2292	EA	2
16508	18.9304	EA	2
16509	6.5391	EA	2
1651	1.0755	EA	15
16510	14.3385	EA	2
16511	21.7054	EA	1
16519	3.7023	EA	5
1652	0.4605	EA	25
16520	5.3683	EA	5
16522	3.9138	EA	5
16523	5.5005	EA	5
16524	8.0128	EA	5
16526	10.4457	EA	2
16527	17.0305	EA	2
16528	29.8298	EA	1
16529	45.2736	EA	1
1653	0.6402	EA	25
16537	7.5935	EA	5
16538	10.1693	EA	5
16539	8.6272	EA	5
16540	11.5258	EA	5
16541	16.8904	EA	2
16542	25.8164	EA	2
16549	3.7287	EA	5
1655	0.3342	EA	50
16550	4.2312	EA	5
16551	4.2047	EA	5
16552	3.8345	EA	5
16553	5.5005	EA	5
16555	7.1401	EA	2
16556	9.9697	EA	2
16557	17.8238	EA	2
16559	65.0015	EA	1
16565	4.4692	EA	5
16567	4.8130	EA	5
16568	6.8439	EA	5
16569	8.9251	EA	2
16570	13.6720	EA	2
166	3.7720	EA	5
16600	2.3002	EA	5
16601	3.6782	EA	5
16602	4.4838	EA	5
16603	12.9295	EA	2
16604	10.8650	EA	2
16605	12.4338	EA	2
16613	7.7910	EA	5
16614	18.1388	EA	5
16615	12.8048	EA	5
16616	18.5427	EA	2
16617	21.0237	EA	2
16618	23.8909	EA	2
16621	1.5264	EA	5
16622	1.9610	EA	5
16623	3.2118	EA	5
16624	6.9642	EA	2
16625	7.7486	EA	2
16626	9.3810	EA	2
16634	2.3956	EA	5
16635	3.6040	EA	5
16636	5.0350	EA	5
16637	9.9746	EA	2
16638	16.0386	EA	2
16639	10.4622	EA	2
16642	1.9080	EA	5
16643	2.8196	EA	5
16644	4.4732	EA	5
16645	12.7897	EA	2
16646	8.7238	EA	2
16647	10.1018	EA	2
1665-1	0.3246	EA	1
1665	0.3066	EA	25
16655	7.8991	EA	5
16656	8.6547	EA	5
16657	9.3072	EA	5
16658	14.4588	EA	2
16659	16.4851	EA	2
16660	21.5680	EA	2
16664	1.6748	EA	5
16665	4.0500	EA	4
16665A	2.3320	EA	5
16666	4.7150	EA	4
16666A	3.1482	EA	5
16667	7.3915	EA	2
16668	5.9360	EA	2
16669	6.9112	EA	2
1667	0.3174	EA	25
16672	0.2132	EA	100
16673	0.3444	EA	50
16675	0.8820	EA	10
16676	0.2544	EA	50
16677	0.3444	EA	50
16677A	6.5858	EA	5
16678	8.1741	EA	5
16679	0.6480	EA	25
16679A	6.0950	EA	5
1668	0.4008	EA	25
16680	18.8834	EA	2
16681	21.3688	EA	2
16682	28.0597	EA	2
16688	4.4732	EA	5
16689	7.2080	EA	5
1669	0.2670	EA	25
16690	7.9394	EA	5
16691	12.8103	EA	2
16692	10.6636	EA	2
16695	11.5169	EA	5
16696	13.8867	EA	5
16697	13.8867	EA	5
16698	27.1908	EA	2
167	6.9280	EA	5
16701	2.6818	EA	5
16702	2.7772	EA	5
16703	6.5932	EA	5
16704	8.6410	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
16705	7.8652	EA	2
16706	10.8438	EA	2
16709	1.9398	EA	5
1671	0.2168	EA	25
16710	2.6288	EA	5
16711	4.3248	EA	5
16712	6.5720	EA	2
16713	7.7274	EA	2
16714	11.6706	EA	2
16716	2.6101	EA	5
16717	3.9152	EA	5
16718	3.9152	EA	5
16719	10.4079	EA	2
1672	0.3593	EA	25
16720	10.4079	EA	2
16721	10.4079	EA	2
16722	11.7456	EA	2
16723	11.7456	EA	2
16724	11.7456	EA	2
16725	11.7456	EA	2
16726	15.0410	EA	2
16727	15.2041	EA	2
16728	14.1600	EA	2
16729	14.7473	EA	2
1673	0.3544	EA	25
16730	14.1600	EA	2
16741	2.3214	EA	5
16742	3.5237	EA	5
16743	4.0174	EA	5
16744	11.2889	EA	2
16745	11.2889	EA	2
16746	11.2889	EA	2
16747	13.8338	EA	2
16748	13.8338	EA	2
16749	13.8338	EA	2
1675	0.4288	EA	25
16750	13.8338	EA	2
16751	18.9562	EA	2
16752	18.9562	EA	2
16753	19.0214	EA	2
16754	18.9562	EA	2
16755	19.0214	EA	2
1676	0.7341	EA	25
16767	2.5440	EA	5
16768	3.7312	EA	5
16769	6.5932	EA	5
1677	0.1591	EA	50
16770	7.2080	EA	2
16771	7.2080	EA	2
16772	7.6108	EA	2
16780	2.8832	EA	5
16781	4.8124	EA	5
16782	6.6992	EA	5
16783	11.9992	EA	2
16784	11.9462	EA	2
16785	26.4833	EA	2
1679	0.4777	EA	25
16790	2.3320	EA	5
16791	2.9044	EA	5
16792	5.6710	EA	5
16793	10.7033	EA	2
16794	8.3740	EA	2
16797	8.3731	EA	5
16798	9.7317	EA	5
16799	10.5848	EA	5
167A	0.0611	EA	50
168	10.9880	EA	5
16800	11.5959	EA	2
16801	14.5976	EA	2
16802	17.5992	EA	2
16807	15.0736	EA	5
16808	18.2470	EA	5
16809	19.9058	EA	5
16810	29.5341	EA	2
16811	30.0750	EA	2
16826-10-10	24.1712	EA	4
16827	1.7547	EA	5
16828	1.8990	EA	5
16829	2.0432	EA	5
16830	2.4038	EA	5
16831	2.6923	EA	5
16832	3.0169	EA	5
16834	2.1153	EA	5
16835	2.2596	EA	5
16836	2.7872	EA	5
16837	3.9184	EA	5
16838	2.5120	EA	5
16839	2.7284	EA	5
16840	3.4002	EA	5
16841	4.5733	EA	5
16842	5.2906	EA	5
16843	3.2199	EA	5
16844	3.6357	EA	5
16845	4.3273	EA	5
16848	3.5445	EA	5
16849	4.0324	EA	5
16853	5.6977	EA	1
1686	0.2937	EA	25
16861	7.1868	EA	5
16862	7.4200	EA	5
16863	8.8828	EA	5
16864	17.5006	EA	2
16865	18.3698	EA	2
16866	30.4432	EA	2
16869	11.2648	EA	5
1687	0.6461	EA	25
16870	19.7478	EA	5
16871	27.1661	EA	5
16872	51.8938	EA	2
16873	51.9968	EA	2
16874	61.3040	EA	2
1688	0.5263	EA	25
16883	66.5587	EA	1
16884	79.5407	EA	1
16885	93.7935	EA	1
16886	157.8993	EA	1
16887	161.4511	EA	1
16888	201.2902	EA	1
16895	55.0878	EA	1
16896	33.6667	EA	1
16897	40.0833	EA	1
16898	63.7500	EA	1
16899	138.6467	EA	1
1690	0.1224	EA	25
16900	191.8799	EA	1
16910-1	5.7240	EA	4
16910-2	18.5715	EA	4
16910	5.0456	EA	5
16911-1	7.6108	EA	4
16911	7.0646	EA	5
16912-1	11.4480	EA	2
16912	8.0242	EA	5
16913-1	17.7473	EA	2
16913	13.1546	EA	2
16914	15.2852	EA	2
16915	22.1222	EA	2
16916	8.8192	EA	5
16917	9.8911	EA	5
16918	10.3986	EA	5
16919	17.1614	EA	2
1692	0.6801	EA	25
16920	19.6524	EA	2
16921	30.2948	EA	2
16922-1	9.4976	EA	2
16922-2	10.0276	EA	2
16922	8.6602	EA	5
16923-1	11.0452	EA	2
16923	9.5612	EA	5
16924	11.1194	EA	5
16925-1	18.8246	EA	2
16925	15.9742	EA	2
16926	19.3556	EA	2
16927	27.6342	EA	2
16928	10.6803	EA	5
16929	10.4365	EA	5
16930	12.1921	EA	5
16931	17.7030	EA	2
16932	22.5554	EA	2
16933	30.9436	EA	2
16934	2.0812	EA	5
16935	34.4400	EA	1
16935A	2.9914	EA	5
16936	2.2427	EA	5
16937	3.3691	EA	5
16938	4.0268	EA	5
16939	3.1116	EA	5
16940	3.9290	EA	5
16941	7.1023	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
16942	3.7813	EA	5
16943	5.1722	EA	5
16944	9.8025	EA	5
16945	7.8926	EA	5
16946	9.6953	EA	5
16948	5.3130	EA	5
16949	6.4292	EA	5
16950	11.7147	EA	2
16952	20.4413	EA	2
16953	4.1316	EA	5
16954	5.3954	EA	5
16955	7.1126	EA	5
16956	11.0347	EA	2
16957	13.2946	EA	2
16959	0.0612	EA	25
16960	0.0707	EA	25
16961	0.0903	EA	25
16962	0.1024	EA	25
16963	0.1200	EA	25
16964	0.1494	EA	25
16965	2.4006	EA	5
16966	2.4522	EA	5
16967	2.5037	EA	5
16969	2.0080	EA	5
16969A	2.5552	EA	5
16970	2.0080	EA	5
16970A	2.6960	EA	5
16971	5.5400	EA	1
16972	2.2560	EA	5
16973	2.2560	EA	5
16974	6.1600	EA	1
16974A	4.5265	EA	5
16975	2.4200	EA	5
16976	2.4200	EA	5
16976A	9.9117	EA	5
16977	6.5600	EA	1
16980	5.3783	EA	5
16983	7.9060	EA	5
16A71-12-12	76.6714	EA	1
16A71-16-16	90.1311	EA	1
16A71-20-20	125.1547	EA	1
16ATO	1.9087	EA	12
16F71-12-12	112.8929	EA	1
16FIC	4.9764	EA	12
16N71-16-16	122.8997	EA	1
16N71-20-20	170.3965	EA	1
17000-2	77.8100	EA	1
17000-A	53.9858	EA	1
17000-B	53.8820	EA	1
17000-C	51.8238	EA	1
17000	484.0188	EA	1
17001	3.4344	EA	5
17002	3.3073	EA	5
17003	3.3073	EA	5
17004	3.4035	EA	5
17005	3.6611	EA	5
17006	3.6851	EA	5
17007	4.1900	EA	5
17008-S	320.3940	EA	1
17014	3.6146	EA	5
17015	3.8902	EA	5
17016	3.9114	EA	5
17024	3.6146	EA	5
17025	3.8902	EA	5
17026	3.9114	EA	5
17034-1	4.2312	EA	5
17034	4.4944	EA	5
17035-1	4.6914	EA	5
17035	4.9714	EA	5
17036-1	4.8116	EA	5
17036	0.5088	EA	25
17036A	4.8116	EA	5
17037	4.8116	EA	5
17038	2.5620	EA	10
17039	2.9520	EA	10
17040	0.2748	EA	50
17041	0.4716	EA	50
17042	1.0744	EA	25
17043	1.2960	EA	25
17044	1.2960	EA	25
17044A	4.4944	EA	5
17045	1.5440	EA	15
17045A	4.9714	EA	5
17046	1.6133	EA	15
17046A	4.8116	EA	5
17047	1.6400	EA	15
17048	1.6400	EA	15
17049	1.8240	EA	10
17050-1	0.6947	EA	5
17050	2.2340	EA	10
17050A	0.4941	EA	5
17051	2.2340	EA	10
17051A	0.4941	EA	5
17052	2.2560	EA	10
17052A	0.7059	EA	5
17053	2.2340	EA	10
17053A	0.6648	EA	5
17054	0.8234	EA	5
17055	0.8865	EA	5
17056	1.1305	EA	5
17057	1.4522	EA	5
17058	4.3342	EA	5
17059	4.3342	EA	5
17060	4.3342	EA	5
17062	1.2975	EA	5
17063	1.3717	EA	5
17064	0.8234	EA	5
17065	0.9116	EA	5
17066	1.1305	EA	5
17067	1.4522	EA	5
17068	4.3342	EA	5
17069	4.3342	EA	5
17070	4.3342	EA	5
17071	1.0757	EA	5
17072	1.5479	EA	5
17073	1.5479	EA	5
17074	1.5861	EA	5
17075	3.5636	EA	5
17076	2.2300	EA	5
17077	2.3803	EA	5
1708	0.1013	EA	25
17081	1.9928	EA	5
17082	2.7349	EA	5
17083	2.7349	EA	5
17084	2.9613	EA	5
17085	3.2607	EA	5
17086	3.7695	EA	5
17087	0.3608	EA	25
17087A	4.4165	EA	5
1709	0.2034	EA	25
17091-1	119.8056	RL	1
17091-R	46.6048	RL	1
17091	49.8624	RL	1
17092-1	174.8316	RL	1
17092-R	50.2453	RL	1
17092	53.7526	RL	1
17093-1	188.9607	RL	1
17093-R	52.3403	RL	1
17093	56.0210	RL	1
17094-1	245.6558	RL	1
17094-R	68.2965	RL	1
17094	73.0976	RL	1
17095-1	287.0025	RL	1
17095-R	88.1748	RL	1
17095	94.3824	RL	1
17096-1	360.8936	RL	1
17096	108.0564	RL	1
17097-1	425.2886	RL	1
17097	142.1672	RL	1
1710	0.3060	EA	25
17100-B	15.7802	EA	1
17100	47.9650	EA	1
17103	9.3137	EA	5
17105	8.4378	EA	5
17107	11.1350	EA	2
17108	11.1350	EA	2
17110	11.1350	EA	2
17112	27.2918	EA	1
17113	27.2918	EA	1
17120	25.0543	EA	1
17121	25.0543	EA	1
17122	25.0543	EA	1
17123	25.0543	EA	1
17124	5.3020	EA	5
17125	5.3020	EA	5
17126	6.3755	EA	5
17127	6.3755	EA	5
1713	0.0720	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
17154	4.7960	EA	5
17155	3.2800	EA	5
17156	4.6320	EA	5
17162	28.9054	EA	1
17163	2.9428	EA	5
17164	3.7207	EA	2
17165	4.8581	EA	2
17166	4.7589	EA	2
17167	3.9770	EA	5
17168	4.2742	EA	2
17169	4.2980	EA	2
17170	6.8659	EA	5
17171	6.8659	EA	5
17172	8.3696	EA	2
17173	8.3696	EA	2
17174	6.8659	EA	5
17175	6.8659	EA	5
17176	8.3696	EA	2
17177	8.3696	EA	2
17178	6.8659	EA	5
17179	6.8659	EA	5
17180	8.3696	EA	2
17181	8.3696	EA	2
17182	8.3696	EA	2
17183	8.3696	EA	2
17184	8.3696	EA	2
17185	8.3696	EA	2
17188	8.3696	EA	2
17189	8.3696	EA	2
1719	0.2558	EA	25
17190	15.7073	EA	1
17191	15.7073	EA	3
17192	15.7073	EA	1
17193	15.7073	EA	3
17194	32.6959	EA	1
17195	32.6959	EA	3
17196	32.6959	EA	1
17197	32.7006	EA	3
172	5.4520	EA	5
1720	0.9877	EA	25
17200-1	224.6940	EA	1
17210-3	1.1471	EA	10
17210-4	1.2826	EA	10
17210-5	1.1917	EA	10
17210	1.1917	EA	10
17211-3	1.4837	EA	10
17211-4	1.4837	EA	10
17211-5	1.6960	EA	10
17211	1.6960	EA	10
17212-3	1.6382	EA	10
17212-4	1.6382	EA	10
17212-5	1.8550	EA	10
17212	1.7702	EA	10
17213-1	3.3108	EA	5
17213-4	3.3108	EA	5
17213-5	3.6040	EA	5
17213	3.4132	EA	5
17214-5	3.7524	EA	5
17214	3.4481	EA	5
17215-1	3.4481	EA	5
17215	3.5298	EA	5
17216-4	3.5203	EA	5
17216	3.5203	EA	5
17217-1	3.6851	EA	5
17217	3.8054	EA	5
17218-4	4.0698	EA	5
17218-5	4.0698	EA	5
17218	4.3990	EA	5
17219	4.2758	EA	5
17220-4	4.7944	EA	5
17220-5	4.7944	EA	5
17220	4.7944	EA	5
17221	5.1834	EA	5
17222-4	5.4744	EA	5
17222-5	5.4744	EA	5
17222	5.4744	EA	5
17223	5.9254	EA	5
17224	6.9854	EA	2
17225-4	6.4567	EA	2
17225-5	6.4567	EA	2
17225	6.4567	EA	2
17226-1	8.9869	EA	2
17226-4	8.9869	EA	2
17226-5	8.9869	EA	2
17226	8.9869	EA	2
17227-1	8.4800	EA	2
17227-2	7.8304	EA	2
17227-3	10.3607	EA	2
17227	0.2173	EA	10
17228	0.2987	EA	10
17229	0.4134	EA	10
17230	0.5141	EA	10
17231	0.6599	EA	10
17232	0.8666	EA	10
17233	1.0441	EA	10
17234	3.7313	EA	1
17240-3	3.3122	EA	5
17241-4	4.2289	EA	5
17242-4	4.4538	EA	5
17243-4	5.3791	EA	5
17244	5.0627	EA	5
17245	5.6709	EA	5
17246	6.1197	EA	5
17247	7.7860	EA	5
17248	7.9526	EA	5
17249	8.9782	EA	2
17250	2.4083	EA	5
17251	3.1760	EA	5
17252	3.4091	EA	2
17253	10.5388	EA	1
17254	15.7751	EA	1
17255	21.8294	EA	1
17260	2.9189	EA	5
17261	3.2080	EA	5
17262	5.1787	EA	2
17263	9.0128	EA	1
17264	13.5977	EA	1
17265	17.9182	EA	1
17270	1.5730	EA	10
17271	2.9786	EA	5
17272	3.4980	EA	5
17273	4.2400	EA	5
17274	5.0668	EA	5
17275	5.0863	EA	5
17276	5.8512	EA	5
17277	6.7734	EA	5
17278	6.8035	EA	5
17279	8.9019	EA	2
173	9.8000	EA	5
17305	0.7155	EA	25
17306	0.5164	EA	25
17307	1.4310	EA	10
17308	2.6201	EA	5
1731	1.5476	EA	5
17310	3.4275	EA	5
17311	3.4275	EA	5
17312	3.6464	EA	5
17313	7.6179	EA	2
17314	4.5115	EA	2
17315	7.6179	EA	2
17316-1	11.0120	EA	2
17316	7.6179	EA	2
17317	5.4160	EA	2
17318	5.7664	EA	2
17319	5.4160	EA	2
1732	1.4975	EA	5
17320	2.7269	EA	5
17321	3.0104	EA	5
17322	4.3036	EA	5
17323	6.3070	EA	5
17324	14.7727	EA	2
17325	22.1796	EA	1
17326-21/2	102.1294	EA	1
17326-3	102.1294	EA	5
17326	39.1419	EA	1
17327	4.2174	EA	5
17328	4.2174	EA	5
17329	6.4189	EA	2
17330	13.0439	EA	2
17331	28.6808	EA	2
17332	42.5126	EA	1
17333-21/2	141.4814	EA	1
17333	54.0350	EA	1
17335	4.2174	EA	5
17336	4.6428	EA	5
17337	7.1126	EA	2
17338	14.4054	EA	2
17339	28.6808	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
1734	2.7439	EA	5
17340	42.5126	EA	1
17341-21/2	193.2864	EA	1
17341	54.0350	EA	1
17342	2.6500	EA	5
17343	5.6625	EA	5
17344	5.6809	EA	5
17345	5.6809	EA	5
17346	7.6302	EA	2
17347	7.6302	EA	2
17348	10.1791	EA	2
17349	10.1791	EA	2
1735	2.9282	EA	5
17350	0.6835	EA	25
17351	0.2460	EA	50
17352	0.3724	EA	50
17353	0.6356	EA	25
17354	0.7225	EA	5
17355	0.9728	EA	5
17356-21/2	6.6938	EA	5
17356-3	7.2722	EA	5
17356-31/2	9.9430	EA	5
17356-4	14.1148	EA	5
17356	1.4886	EA	2
1736	0.1487	EA	50
17360	1.0700	EA	50
17360A	0.6568	EA	25
17361	1.0933	EA	15
17361A	0.5865	EA	50
17362	1.1213	EA	15
17362A	0.7984	EA	50
17363-11/2	2.2953	EA	5
17363-11/4	2.0481	EA	5
17363-2	3.8759	EA	5
17363	1.1347	EA	15
17363A	1.1098	EA	25
17364	1.1613	EA	15
17365	1.2160	EA	15
17365A	2.0202	EA	10
17366	1.4080	EA	15
17366A	2.4501	EA	10
17367	1.4493	EA	15
17367A	3.2432	EA	10
17368	1.4893	EA	15
17368A	5.2296	EA	5
17369	0.2132	EA	50
17369A	6.2118	EA	5
17370-21/2	11.7676	EA	5
17370-3	24.4117	EA	5
17370-31/2	25.3882	EA	5
17370	0.2132	EA	50
17370A	9.8981	EA	5
17371	2.0137	EA	25
17372	1.1131	EA	50
17373	0.2420	EA	50
17373A	1.2268	EA	50
17374-1	4.1675	EA	5
17374-2	4.9957	EA	5
17374-3	6.1688	EA	5
17374	0.5088	EA	25
17374A	1.7749	EA	25
17375	0.5088	EA	25
17376	0.4428	EA	50
1738	2.1730	EA	5
17380	0.1151	EA	25
17381	0.1768	EA	25
17382	0.2860	EA	5
17383	0.6337	EA	5
17384-1	1.5027	EA	5
17384-21/2	2.0912	EA	10
17384-3	2.2981	EA	10
17384	0.8306	EA	5
17385	3.9633	EA	5
17386	5.3608	EA	2
17387	9.8273	EA	2
17388	4.4050	EA	5
17389	5.1964	EA	5
1739	2.6500	EA	5
17390	6.1893	EA	5
17391	8.0077	EA	5
17392	9.0799	EA	2
17393	11.8513	EA	1
17400	2.0594	EA	5
17401	2.6226	EA	5
17402	4.1478	EA	5
17403	6.6025	EA	2
17404	8.5392	EA	2
17405-21/2	20.0237	EA	1
17405-3	24.9878	EA	1
17405-31/2	33.4844	EA	1
17405-4	33.0832	EA	1
17405	5.8571	EA	2
17407-1	3.8797	EA	5
17407-2	5.7878	EA	5
17407-3	8.2682	EA	2
17407-4	10.7805	EA	2
17407-5	15.2962	EA	2
17407	3.2437	EA	5
17408-1	2.0353	EA	5
17408-2	2.6527	EA	5
17408-3	3.8585	EA	2
17408-4	4.9954	EA	2
17408-5	7.6481	EA	2
17408	2.0353	EA	5
17409-1	1.1766	EA	10
17409-2	1.8174	EA	10
17409-3	2.1625	EA	5
17409-4	2.7349	EA	5
17409-5	3.6253	EA	5
17409	1.0017	EA	10
1741	0.2770	EA	50
17410-1	0.7306	EA	5
17410-2	0.8304	EA	5
17410-3	0.8969	EA	5
17410-4	0.9700	EA	5
17410-5	1.1517	EA	5
17410-6	1.2882	EA	5
17410-7	1.5380	EA	5
17410	0.6124	EA	5
17411-1	0.9102	EA	5
17411-2	0.9340	EA	5
17411-3	1.0395	EA	5
17411-4	1.1329	EA	5
17411-5	1.3420	EA	5
17411-6	1.5660	EA	5
17411-7	1.7984	EA	5
17411	0.7907	EA	5
17412-1	1.3049	EA	5
17412-2	1.4181	EA	5
17412-3	1.5807	EA	5
17412-4	1.9223	EA	5
17412-5	2.1794	EA	5
17412-6	2.3824	EA	5
17412	1.1850	EA	5
17413-1	1.6588	EA	2
17413-3	1.9587	EA	2
17413-4	2.3581	EA	2
17413-5	2.7310	EA	2
17413-6	3.0733	EA	2
17413	1.5420	EA	2
17414-1	1.9654	EA	2
17414-3	2.3865	EA	2
17414-4	2.9871	EA	2
17414-5	3.3514	EA	2
17414-6	4.1198	EA	2
17414	1.8619	EA	2
17415-2	3.1000	EA	2
17415-3	3.8974	EA	2
17415-4	4.5475	EA	2
17415-5	5.1996	EA	2
17415	2.2830	EA	2
1742	0.1961	EA	25
17420	4.0403	EA	5
17421	5.5430	EA	2
17422	9.4186	EA	2
17423	15.1408	EA	5
17424	19.7052	EA	6
17425	35.6744	EA	1
17426-1	10.8942	EA	5
17426-1/2	4.3566	EA	10
17426-11/2	17.7097	EA	2
17426-11/4	15.9484	EA	5
17426-2	40.1834	EA	1
17426-3/4	5.8302	EA	10
17430	5.2804	EA	5
17431	7.5381	EA	2
17432	12.6914	EA	2
17433	17.1800	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
17434	22.4799	EA	2
17435	50.2472	EA	1
17440	7.4045	EA	2
17441	7.4045	EA	2
17442	7.4045	EA	2
17450	1.9280	EA	25
17451	2.9098	EA	5
17452	3.2459	EA	2
17453	6.8481	EA	2
1746	0.3284	EA	25
17460	3.7246	EA	5
17461	5.3626	EA	5
17462	0.3528	EA	25
17462A	6.4304	EA	2
17463	13.3773	EA	2
17464	3.9360	EA	5
17465	3.6080	EA	5
1747	0.1975	EA	25
17470	0.1488	EA	50
17471	0.1960	EA	25
17472	0.3237	EA	25
17473	0.7492	EA	10
17474	1.1516	EA	10
17475	1.5954	EA	5
17480	0.8485	EA	25
17481	1.1163	EA	25
17482	1.5370	EA	10
17483	2.0140	EA	10
17484	3.2012	EA	10
17485	3.9114	EA	10
17486-1	1.5370	EA	10
17486-1/2	0.8485	EA	25
17486-11/2	3.2012	EA	5
17486-11/4	2.0140	EA	10
17486-2	3.9114	EA	5
17486-3/4	1.1163	EA	25
17489	0.3705	EA	100
17490	0.1888	EA	50
17490A	0.2364	EA	100
17491	0.1844	EA	50
17491A	0.3198	EA	50
17492	0.2380	EA	50
17492A	0.3997	EA	50
17493	0.5372	EA	50
17493A	0.5542	EA	50
17494	0.6728	EA	25
17494A	0.5029	EA	50
17495	0.5029	EA	50
17496	0.8806	EA	50
17497	0.8806	EA	50
17498	0.7476	EA	50
17499	0.7476	EA	50
175	1.0813	EA	25
17500-1	1.0916	EA	25
17500-2	0.9887	EA	25
17500-3	0.9887	EA	25
17500-4	0.9887	EA	25
17500	1.0916	EA	25
17501	1.0706	EA	50
17502	1.6960	EA	10
17503	1.6960	EA	10
17504	3.3098	EA	10
17505	3.3098	EA	10
17506	3.3098	EA	10
17507	4.4732	EA	10
17508-1	4.0492	EA	10
17508-2	4.0492	EA	10
17508-3	10.9292	EA	5
17508-4	10.9292	EA	5
17508-5	10.9292	EA	5
17508-6	10.9292	EA	5
17508-7	10.9292	EA	5
17508	4.0492	EA	10
17509	0.1776	EA	25
1751	0.4347	EA	25
17510	0.2816	EA	25
17511	0.3328	EA	25
17512	0.6565	EA	10
17513	0.9242	EA	10
17514	1.2475	EA	10
17515	1.9029	EA	5
17520	0.7355	EA	50
17521	1.0062	EA	25
17522	1.3016	EA	25
1753	0.4722	EA	25
17530	1.9417	EA	5
17531	2.8393	EA	2
17532	4.0996	EA	2
17533	7.3659	EA	1
17534	13.0248	EA	1
17535	17.3683	EA	1
1754	0.6108	EA	25
17540	1.0388	EA	5
17541	1.4716	EA	2
17542	2.4426	EA	2
17543	7.6556	EA	1
17544	11.0234	EA	1
17545	14.9546	EA	1
17549	4.7542	EA	5
1755	0.7668	EA	25
17550	5.0220	EA	5
17551	6.0085	EA	5
17552	8.2440	EA	2
17554	9.2584	EA	2
17555	0.9388	EA	50
17555A	11.1714	EA	1
1756	1.0621	EA	25
17560	1.3715	EA	5
17561	1.6176	EA	2
17562	3.2560	EA	2
17563	4.4835	EA	1
17564	6.5227	EA	1
17565	11.6315	EA	1
17570	0.5512	EA	5
17571	0.9987	EA	2
17572	1.3674	EA	2
17573	2.7902	EA	1
17574	5.8097	EA	1
17575	7.1900	EA	1
17576	3.0089	EA	5
17577	3.1817	EA	5
17578	4.4684	EA	5
17579	7.3936	EA	2
1758	3.0210	EA	5
17580	7.1296	EA	5
17582	19.2147	EA	1
17584	23.7940	EA	1
17585	4.7205	EA	5
17586	4.8070	EA	5
17587	6.4893	EA	5
17588	2.3380	EA	10
17588A	9.7533	EA	2
17589	2.2140	EA	10
17589A	11.8745	EA	2
1759	0.8849	EA	25
17590N	71.3062	RL	1
17591-X-FT	0.8994	EA	100
17591-X	143.9407	RL	1
17591N	83.6764	RL	1
17592-X	177.8616	RL	1
17592	113.2716	RL	1
17593-X	193.0682	RL	1
17593	175.0166	RL	1
17594	256.9755	RL	1
17595	188.2601	RL	1
17596	236.8362	RL	1
17597	17.2053	EA	1
17598	6.5653	EA	1
1760	0.3026	EA	25
17603	1.2508	EA	10
17604	1.4644	EA	10
17605	1.5264	EA	10
17608	2.3594	EA	5
17609	0.5300	EA	10
1761	0.3925	EA	50
17610	0.5936	EA	10
17612	2.5970	EA	5
17613	1.3674	EA	10
17614	1.3944	EA	10
17615	1.3674	EA	10
17616	2.1465	EA	5
17618	2.3532	EA	5
17619	0.5194	EA	10
1762	0.1728	EA	50
17620	0.6784	EA	10
17621-1	1.8317	EA	10
17621-2	2.9715	EA	10
17621-3	2.9715	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
17621-4.....	2.9715	EA	10
17622.....	1.5370	EA	5
17623.....	1.5370	EA	10
17624.....	1.5370	EA	10
17625.....	1.5052	EA	10
17626.....	2.1792	EA	25
17627-1.....	2.1792	EA	10
17627-2.....	2.1792	EA	10
17627-3.....	2.1792	EA	5
17628.....	3.9439	EA	5
17629.....	3.7125	EA	5
17630.....	3.7125	EA	5
17631-1.....	10.4609	EA	10
17631-2.....	10.4609	EA	10
17632.....	5.8842	EA	10
17633.....	10.4609	EA	10
17634.....	1.0827	EA	10
17635.....	2.1376	EA	5
17637.....	4.3183	EA	2
17638.....	4.3183	EA	2
17639.....	4.3183	EA	2
1764.....	0.3628	EA	25
17640.....	4.3183	EA	2
17641.....	10.4609	EA	10
17642-1.....	7.1806	EA	10
17642-2.....	7.1806	EA	10
17642-3.....	7.1806	EA	5
17643.....	2.5016	EA	5
17645.....	1.3886	EA	10
17646-1.....	39.7441	EA	1
17646.....	35.9281	EA	1
17647.....	74.9325	EA	1
17648.....	0.4028	EA	10
17649.....	0.4028	EA	10
1765.....	0.3832	EA	50
17650.....	0.4028	EA	10
17651.....	1.2455	EA	5
17652.....	0.4440	EA	5
17653.....	0.6254	EA	5
17655.....	156.8216	EA	1
17656.....	179.5333	EA	1
1766.....	0.4040	EA	50
17660.....	7.3868	EA	1
17661.....	9.4370	EA	1
17663.....	18.5768	EA	1
17664.....	9.3938	EA	1
17665.....	1.8872	EA	1
17666.....	13.1530	EA	1
17667.....	18.6191	EA	1
17668.....	23.0561	EA	1
17669.....	2.8054	EA	1
17675.....	8.9101	EA	1
17676.....	3.4640	EA	10
17676A.....	10.0959	EA	1
17678.....	4.5732	EA	1
17679.....	4.5732	EA	1
17680.....	7.9960	EA	5
17680A.....	3.6946	EA	1
17682.....	48.2576	EA	1
17683.....	61.3761	EA	1
17685.....	12.2801	EA	1
17686.....	0.2708	EA	50
17688.....	9.7416	EA	1
17689.....	9.7416	EA	1
17690.....	5.7456	EA	1
17692.....	12.5995	EA	1
17697.....	0.3384	EA	10
17698.....	0.5034	EA	5
17699.....	6.6761	EA	1
177.....	9.2240	EA	5
17700.....	3.0422	EA	5
17701.....	3.3602	EA	5
17702.....	2.5463	EA	5
17703.....	2.8153	EA	5
17704.....	3.4571	EA	5
17705.....	4.7558	EA	5
1771.....	0.0417	EA	25
17710.....	3.7687	EA	5
17711.....	4.4732	EA	5
17712.....	4.8760	EA	5
17713.....	5.2152	EA	5
17714.....	5.9774	EA	2
17715.....	7.1588	EA	2
17716.....	9.3419	EA	2
17720.....	6.2010	EA	5
17721.....	6.5720	EA	5
17722.....	7.6744	EA	2
1773.....	0.5594	EA	25
17730.....	0.5093	EA	10
17731.....	0.5609	EA	10
17732.....	0.6955	EA	10
17733.....	0.8017	EA	10
17734.....	0.9174	EA	10
17735.....	1.0789	EA	5
17736.....	1.4552	EA	5
17740.....	0.7319	EA	10
17741.....	5.1556	EA	2
17742.....	8.0528	EA	2
17745.....	0.5119	EA	25
17746.....	0.2518	EA	25
17747.....	0.2550	EA	25
17748.....	0.2666	EA	25
17749.....	0.2546	EA	25
1775.....	0.8441	EA	25
17750.....	0.2833	EA	25
17751.....	0.3038	EA	25
17752.....	0.3379	EA	25
17753.....	0.3628	EA	25
17754.....	0.3516	EA	25
17755.....	0.3712	EA	15
17756.....	0.4070	EA	15
17757.....	0.4006	EA	15
17758.....	1.3992	EA	15
17759-1.....	0.0806	EA	100
17759-1X.....	0.0806	EA	100
17759-2.....	0.0859	EA	100
17759-2X.....	0.0859	EA	100
17759-3.....	0.0898	EA	100
17759-3X.....	0.0898	EA	100
17759-4.....	0.0956	EA	100
17759-4X.....	0.0956	EA	100
17759-5.....	0.1013	EA	100
17759-5X.....	0.1013	EA	100
17759-6.....	0.1140	EA	100
17759-6X.....	0.1140	EA	100
17760-1.....	0.1325	EA	100
17760-1X.....	0.1325	EA	100
17760-2.....	0.1343	EA	100
17760-2X.....	0.1343	EA	100
17760-3.....	0.1388	EA	100
17760-3X.....	0.1388	EA	100
17760-4.....	0.1432	EA	100
17760-4X.....	0.1432	EA	100
17760-5.....	0.1514	EA	100
17760-5X.....	0.1514	EA	100
17760-6.....	0.1551	EA	100
17760-6X.....	0.1551	EA	100
17761-1.....	0.1652	EA	50
17761-1X.....	0.1652	EA	50
17761-2.....	0.1760	EA	50
17761-2X.....	0.1760	EA	50
17761-3.....	0.1855	EA	50
17761-3X.....	0.1855	EA	50
17761-4.....	0.2062	EA	50
17761-4X.....	0.2062	EA	50
17761-5.....	0.2177	EA	50
17761-5X.....	0.2177	EA	50
17761-6.....	0.2329	EA	50
17761-6X.....	0.2329	EA	50
17762-1.....	0.2523	EA	25
17762-1X.....	0.2523	EA	25
17762-2.....	0.2751	EA	25
17762-3.....	0.3004	EA	25
17762-3X.....	0.3004	EA	25
1777.....	0.2275	EA	50
1778.....	0.1260	EA	50
1779.....	0.2204	EA	50
17794.....	0.1683	EA	100
17795.....	0.0568	EA	100
17796.....	0.1207	EA	100
17797.....	0.1683	EA	100
17798.....	0.3964	EA	1
178.....	7.9560	EA	5
17800-N.....	1.2679	EA	10
17800-P.....	1.2679	EA	10
17812.....	79.2794	EA	1
17813.....	30.2006	EA	1
1782.....	0.2532	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
1783	0.4322	EA	50
17830	47.9544	EA	1
17831	43.3971	EA	1
17832	47.9544	EA	1
17833	43.3971	EA	1
17834	43.3971	EA	1
17836	43.3971	EA	1
1784	0.2983	EA	25
1785	0.1055	EA	50
17850	70.9458	EA	1
17851	64.2061	EA	1
17852	70.9458	EA	1
17853	64.2061	EA	1
17854	64.2061	EA	1
17856	64.2061	EA	1
1786	0.4667	EA	25
17870	5.4726	EA	2
17871	6.4864	EA	2
17872	11.4381	EA	1
17874	29.5757	EA	1
17875	35.3981	EA	1
1788	0.1799	EA	100
17880-C	4.8592	EA	2
17880-CC	1.2666	EA	10
17880-LB	4.8592	EA	2
17880-LL	4.8592	EA	2
17880-LR	4.8592	EA	2
17880-NG	1.2167	EA	10
17880-T	5.8175	EA	2
17881-C	5.8963	EA	2
17881-CC	1.7746	EA	10
17881-LB	5.8963	EA	2
17881-LL	5.8963	EA	2
17881-LR	5.8963	EA	2
17881-NG	1.3783	EA	10
17881-T	7.5753	EA	2
17882-C	8.6202	EA	2
17882-CC	2.1455	EA	10
17882-LB	8.6202	EA	2
17882-LL	8.6202	EA	2
17882-LR	8.6202	EA	2
17882-NG	2.0143	EA	10
17882-T	10.8868	EA	2
17883-C	15.0382	EA	1
17883-CC	3.9230	EA	5
17883-LB	14.4179	EA	1
17883-LL	14.4179	EA	1
17883-LR	14.4179	EA	1
17883-NG	2.8849	EA	5
17883-T	15.8215	EA	1
17884-C	19.0760	EA	1
17884-LB	19.0760	EA	1
17884-LL	19.0760	EA	1
17884-LR	19.0760	EA	1
17884-T	21.3750	EA	1
17885-C	31.0853	EA	1
17885-CC	4.2907	EA	5
17885-LB	31.0853	EA	1
17885-LL	31.0853	EA	1
17885-LR	31.0853	EA	1
17885-NG	2.5017	EA	5
17885-T	33.3403	EA	1
1789	0.6702	EA	25
17890-C	6.0167	EA	2
17890-CC	0.9082	EA	10
17890-LB	6.0167	EA	2
17890-LL	6.0167	EA	2
17890-LR	6.0167	EA	2
17890-T	6.8242	EA	2
17891-C	7.0392	EA	2
17891-CC	1.1652	EA	10
17891-LB	7.0392	EA	2
17891-LL	7.0392	EA	2
17891-LR	7.0392	EA	2
17891-T	7.8505	EA	2
17892-C	9.7677	EA	2
17892-CC	2.3556	EA	10
17892-LB	9.7677	EA	2
17892-LL	9.7677	EA	2
17892-LR	9.7677	EA	2
17892-T	10.6818	EA	2
17893-C	16.9941	EA	1
17893-CC	2.9573	EA	5
17893-LB	16.9941	EA	1
17893-T	17.4164	EA	1
17894-C	20.8316	EA	1
17894-CC	4.9296	EA	5
17894-LB	20.8316	EA	1
17894-LR	20.8316	EA	1
17894-T	22.9037	EA	1
17895-LB	28.6747	EA	1
17895-LL	28.6747	EA	1
17895-LR	28.6747	EA	1
17897N	44.9581	RL	1
17898N	44.9581	RL	1
17899N	44.9581	RL	1
17900N	44.9581	RL	1
17901	44.9581	EA	1
17902	44.9581	EA	1
17903N	44.9581	RL	1
17905N	64.6110	RL	1
17906N	64.6110	RL	1
17907N	64.6110	RL	1
17908N	64.6110	RL	1
17909	64.6110	EA	1
17910N	44.0995	RL	1
17911N	44.0995	RL	1
17912N	44.0995	RL	1
17913N	44.0995	RL	1
17914N	44.9581	RL	1
17915N	44.9581	RL	1
17916N	44.9581	RL	1
17917N	44.9581	RL	1
17918-1	312.6816	EA	1
17918N	64.6110	RL	1
17919N	64.6110	RL	1
1792	0.4664	EA	25
17920-1	253.0286	EA	1
17920N	64.6110	RL	1
17921N	64.6110	RL	1
17922N	83.9208	RL	1
17923N	83.9208	RL	1
17924N	83.9208	RL	1
17925N	83.9208	RL	1
17926N	64.6110	RL	1
17927N	64.6110	RL	1
17929N	83.9208	RL	1
1793-1	0.3381	EA	25
1793	0.2074	EA	50
17930N	83.9208	RL	1
17931N	83.9208	RL	1
17932N	83.9208	RL	1
1794	0.4008	EA	25
17940N	34.5984	RL	1
17941	34.5984	RL	1
17942N	34.5984	RL	1
17943	34.5984	RL	1
17944	47.9544	RL	1
17945-FT	0.0803	EA	500
17945	47.9544	RL	1
17946	47.9544	RL	1
17947-FT	0.0803	EA	500
17947	47.9544	RL	1
17948	70.9458	RL	1
17949-FT	0.1333	EA	500
17949	70.9458	RL	1
1795	0.4218	EA	25
17950	70.9458	RL	1
17951-FT	0.1333	EA	500
17951	70.9458	RL	1
17952-FT	0.1863	EA	500
17952	110.0150	RL	1
17953	110.0150	RL	1
17954	110.0150	RL	1
17955	110.0150	RL	1
17956	110.0150	EA	1
17957	30.9651	EA	1
17958	30.9651	EA	1
17959N	30.9651	RL	1
1796	0.4620	EA	25
17960N	30.9651	RL	1
17961	30.9651	EA	1
17962	30.9651	EA	1
17969N	44.0995	RL	1
1797-1	0.4058	EA	25
1797-2	0.4670	EA	25
1797-3	0.5756	EA	25
1797-4	0.5886	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
1797-5	0.8188	EA	25
1797	0.3362	EA	25
17970-1	158.5536	EA	1
17970N	44.0995	RL	1
17971N	44.0995	RL	1
17972N	44.0995	RL	1
17973	44.0995	EA	1
17974	44.0995	EA	1
17975	44.0995	EA	1
17977	27.3021	EA	1
17978	27.3021	EA	1
17979	27.3021	EA	1
17980	27.3021	EA	1
17981	27.3021	EA	1
17982	27.3021	EA	1
17983	27.3021	EA	1
17984	27.3021	EA	1
17985	27.3021	EA	1
17985B	0.2164	EA	100
17987	27.3021	EA	1
17988N	34.5984	RL	1
17989	31.3080	EA	1
17990	31.3080	EA	1
17991	31.3080	EA	1
17992	31.3080	EA	1
17993	31.3080	EA	1
17994	31.3080	EA	1
18	0.8586	EA	25
1801	0.5737	EA	25
1802	0.8666	EA	25
18025	53.4028	EA	1
180372	6.5261	EA	2
18050	24.2386	EA	1
18052	26.9808	EA	1
18054	25.7548	EA	10
18056	26.3069	EA	1
18058	26.5582	EA	1
18060	26.2872	EA	1
18066	35.1278	EA	1
18068	35.3170	EA	1
1807	0.2036	EA	25
18080	34.1923	EA	5
18084	39.8252	EA	5
1809	0.2363	EA	25
181	6.9280	EA	5
18100-X	0.1018	EA	1000
18100	0.0621	EA	1000
18101-X	0.1450	EA	1000
18101	0.0452	EA	1000
18102-X	0.1436	EA	1000
18102	0.0952	EA	1000
18103-X	0.1366	EA	1000
18103	0.1036	EA	1000
18104-X	0.0674	EA	1000
18104	0.0665	EA	1000
18105-X	0.1462	EA	500
18105	0.1315	EA	500
18106-X	0.1614	EA	500
18106	0.1426	EA	500
18107-X	0.3437	EA	100
18107	0.3029	EA	100
18108-X	0.4648	EA	100
18108	0.3409	EA	100
18109	0.2584	EA	50
18110	0.2624	EA	50
18111-X	0.6336	EA	50
18111	0.2584	EA	50
18111A	0.5208	EA	50
1812	0.4434	EA	25
1813	0.4434	EA	25
18130	13.2874	EA	1
18131	20.6751	EA	1
18132	11.1274	EA	1
18133	18.3894	EA	1
18134	13.2650	EA	1
18135	18.3419	EA	1
1814	0.2771	EA	50
18140	10.6278	EA	1
18141	18.0237	EA	1
18142	10.9070	EA	1
18143	17.7218	EA	1
18144	13.8248	EA	1
18145	21.2006	EA	1
18146	13.8248	EA	1
18147	21.2006	EA	1
18148-1	22.5803	EA	1
18148	21.5629	EA	1
18149	28.9485	EA	1
1815	0.2771	EA	50
18150-1	22.5803	EA	1
18150	21.5629	EA	1
18151	28.9485	EA	1
18152-1	22.5803	EA	1
18152	21.5629	EA	1
18153	28.9485	EA	1
18154	20.6060	EA	1
18155	39.7938	EA	1
18156	20.6060	EA	1
18157	39.7938	EA	1
18158	27.8346	EA	1
18159	0.6152	EA	25
18159A	57.8724	EA	1
18160-1	39.7971	EA	1
18160	0.6728	EA	25
18160A	27.8346	EA	1
18161	0.6480	EA	25
18161A	57.8724	EA	1
18162-1	39.7971	EA	1
18162	0.6640	EA	25
18162A	27.8346	EA	1
18163	57.8724	EA	1
1817	0.1752	EA	25
18170	57.1378	EA	1
18171	66.2010	EA	1
18172	63.6252	EA	1
18174	37.4213	EA	1
18175	47.5976	EA	1
18176	15.1388	EA	1
18177	27.6585	EA	1
18182	9.1160	EA	2
18185	51.4736	EA	1
18186	111.6762	EA	1
18187	21.7020	EA	1
18188	27.0253	EA	1
18189	48.0782	EA	1
1819	0.7632	EA	25
18193	50.6400	EA	1
18194	37.9200	EA	1
182	5.2080	EA	5
1823	2.2789	EA	25
18260	0.1752	EA	50
18261	0.1752	EA	50
18264	0.1855	EA	50
18265	0.1855	EA	50
18266	0.1855	EA	50
18267	0.1855	EA	50
18269	0.2129	EA	50
1827	0.3262	EA	25
18270	0.2129	EA	50
18272	0.3228	EA	50
18274	0.3228	EA	50
18278	2.0538	EA	10
183	7.9960	EA	5
18300	0.2820	EA	50
18301	0.2071	EA	50
18302	0.3360	EA	25
18310	0.3693	EA	50
183102	9.5904	EA	2
18311	0.3206	EA	50
18312	0.4760	EA	25
18312A	0.3206	EA	50
18313	0.3206	EA	50
18314	0.4168	EA	50
18315	0.4168	EA	50
18316	0.4168	EA	50
18317	0.9699	EA	50
1832	2.8375	EA	25
18320	0.3266	EA	50
18321	0.3266	EA	50
18322	0.3266	EA	50
18323	0.3266	EA	50
18324	0.3444	EA	50
18325	0.3444	EA	50
18326	0.3444	EA	50
18327	0.7125	EA	50
1833	0.1660	EA	50
18331	0.5195	EA	25
18332	0.5195	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
18333.....	0.5195	EA	25
18334.....	0.5994	EA	25
18335.....	0.5994	EA	25
18336.....	0.5994	EA	25
18337.....	1.1474	EA	25
1834.....	1.3887	EA	25
18340.....	0.4026	EA	50
18341.....	0.4026	EA	50
18342.....	0.4026	EA	50
18343.....	0.4679	EA	50
18345.....	0.2958	EA	50
18346.....	0.2958	EA	50
18347.....	0.2958	EA	50
18348.....	0.3437	EA	50
18350.....	0.5230	EA	25
18351.....	0.5230	EA	25
18352.....	0.5230	EA	25
18353.....	0.5402	EA	25
18360.....	0.4484	EA	50
18361.....	0.4484	EA	50
18362.....	0.4484	EA	50
18365.....	0.3294	EA	50
18366.....	0.3294	EA	50
18367.....	0.3294	EA	50
18370.....	0.5543	EA	25
18371.....	0.5543	EA	25
18372.....	0.5543	EA	25
18373.....	0.5825	EA	25
18380-1.....	0.3386	EA	25
18380.....	0.3386	EA	50
18381-1.....	0.3386	EA	25
18381.....	0.3386	EA	50
18382-1.....	0.3629	EA	10
18382.....	0.3586	EA	25
18385.....	0.8121	EA	25
18386.....	0.8121	EA	25
18387.....	0.9504	EA	25
18390.....	0.1746	EA	50
18391.....	0.2098	EA	50
18392.....	0.3358	EA	25
18395.....	0.2194	EA	50
18396.....	0.2604	EA	25
18397.....	0.4486	EA	50
18398-1.....	243.6756	EA	1
18399.....	42.6115	EA	1
1840.....	0.4350	EA	25
18400.....	14.3936	EA	1
18410.....	1.1149	EA	10
18411.....	1.3203	EA	10
18412.....	1.1618	EA	10
18413.....	1.1215	EA	10
18420.....	0.9291	EA	10
18421.....	0.8457	EA	10
18422.....	1.0168	EA	10
18423.....	0.9484	EA	10
18425.....	2.7399	EA	5
18426.....	3.1040	EA	5
18427.....	3.1040	EA	5
18428.....	7.8484	EA	2
18429.....	7.8484	EA	2
18435.....	33.7145	EA	1
18439.....	2.1540	EA	10
18440.....	5.4146	EA	5
1845.....	0.2850	EA	25
18451.....	5.4146	EA	5
18460.....	3.8028	EA	5
18461.....	5.5969	EA	5
18462.....	2.2502	EA	5
18463.....	3.5882	EA	5
18465.....	5.3412	EA	2
18466.....	6.5634	EA	2
18468.....	0.1865	EA	10
18469.....	0.3773	EA	10
18470.....	0.5706	EA	25
18471.....	0.6144	EA	25
18472.....	0.7006	EA	25
18473.....	0.7510	EA	25
18475.....	0.5803	EA	25
18480.....	1.0599	EA	10
18481.....	0.9195	EA	10
18482.....	1.1816	EA	10
18483.....	1.1766	EA	10
18484.....	1.4537	EA	10
18485.....	1.5954	EA	10
18486.....	1.5892	EA	10
18487.....	2.1587	EA	10
18488.....	2.3083	EA	10
18489.....	2.5726	EA	10
18490.....	3.1679	EA	10
18495.....	1.0726	EA	10
18496.....	1.0611	EA	10
18497.....	1.1873	EA	10
18498.....	1.2891	EA	10
18499.....	1.2125	EA	10
185.....	13.3680	EA	5
18500.....	1.5539	EA	10
18501.....	1.4904	EA	10
18502.....	1.1234	EA	10
18503.....	1.2524	EA	10
18504.....	1.2035	EA	10
18505.....	1.5429	EA	10
18506.....	1.7163	EA	10
18507.....	2.4941	EA	10
18510.....	0.1840	EA	500
18511.....	0.1840	EA	180
18512.....	2.7265	EA	1
18513.....	0.2727	EA	180
18514.....	0.3656	EA	100
18515.....	0.3657	EA	12
18517.....	75.7826	EA	1
18518.....	75.7826	EA	1
18519.....	119.2133	EA	1
18520.....	1.2038	EA	10
18521.....	1.6388	EA	10
18522.....	2.4268	EA	10
18530.....	0.6678	EA	10
18531.....	0.8586	EA	10
18532.....	1.1448	EA	10
1854.....	0.5729	EA	50
18542.....	7.3906	KT	1
18545.....	1.8020	EA	25
18546.....	1.3356	EA	25
18547.....	0.3791	EA	25
18548.....	0.3570	EA	100
18549.....	0.3041	EA	80
1855.....	0.8744	EA	10
18550.....	0.4028	EA	100
18551-2.....	0.5444	EA	25
18551-3.....	0.5190	EA	25
18551.....	0.3428	EA	25
18552.....	0.3113	EA	25
18553.....	0.3463	EA	25
18554.....	0.3302	EA	50
18555.....	0.5827	EA	25
18556.....	0.5827	EA	25
18557.....	0.5455	EA	25
18559.....	0.1648	EA	50
18560.....	0.1434	EA	25
18561.....	0.1738	EA	25
18563.....	0.2174	EA	50
18564.....	0.2174	EA	50
18565.....	0.2601	EA	50
18566.....	0.1752	EA	25
18567.....	0.1761	EA	25
18568.....	0.1028	EA	25
18569.....	1.0159	EA	24
18570.....	0.2366	EA	50
18571-1.....	0.2938	EA	50
18571.....	0.2964	EA	50
18575.....	0.1545	EA	25
18576.....	0.0944	EA	25
18577-1.....	0.4327	EA	25
18577-2.....	0.5196	EA	25
18577.....	0.4429	EA	25
18578.....	0.1551	EA	25
18579.....	0.1551	EA	25
18580.....	0.0903	EA	50
18581.....	0.0948	EA	50
18582.....	0.3215	EA	25
18584.....	0.0531	EA	50
18585.....	0.3679	EA	25
18587.....	0.5616	EA	25
18588.....	0.2654	EA	25
18589-1.....	0.5616	EA	25
18589.....	0.3781	EA	25
18592.....	0.3448	EA	25
18596.....	0.6641	EA	25
18597.....	0.6641	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
18598	0.6675	EA	25
186	7.5440	EA	5
1860	0.0898	EA	50
18600	0.1870	EA	50
18601	0.1388	EA	50
18602	0.2709	EA	50
18603	0.6904	EA	25
18604	1.0836	EA	25
18605	1.3812	EA	10
18606	2.2531	EA	10
18610-1/2	0.3904	EA	50
18610-1/4	0.2742	EA	50
18610-10	0.1594	EA	50
18610-4	0.1594	EA	50
18610-6	0.1594	EA	50
18610-8	0.1594	EA	50
18611-1/2	0.4405	EA	50
18611-1/4	0.2907	EA	50
18611-10	0.1726	EA	50
18611-3/8	0.2964	EA	50
18611-4	0.1660	EA	50
18611-5/16	0.2964	EA	50
18611-6	0.1660	EA	50
18611-8	0.1719	EA	50
18612-1/2	0.1726	EA	25
18612-1/4	0.2951	EA	25
18612-10	0.2535	EA	25
18612-3/8	0.3345	EA	25
18612-5/16	0.3345	EA	25
18612-6	0.2535	EA	25
18612-8	0.2535	EA	25
18613-1/2	0.9964	EA	25
18613-1/4	0.8543	EA	25
18613-10	0.8543	EA	25
18613-3/8	0.8015	EA	25
18613-5/16	0.8015	EA	25
18614-1/2	1.1315	EA	25
18614-1/4	0.9200	EA	25
18614-10	0.8323	EA	25
18614-3/8	0.8323	EA	25
18614-5/16	0.8323	EA	25
18615-1/2	1.2643	EA	10
18615-1/4	0.9763	EA	10
18615-10	0.8821	EA	10
18615-3/8	0.9763	EA	10
18615-5/16	0.9763	EA	10
18620-10	0.1755	EA	50
18620-6	0.1731	EA	50
18620-8	0.1755	EA	50
18621-1/4	0.2539	EA	50
18621-10	0.1755	EA	50
18621-6	0.1755	EA	50
18621-8	0.1755	EA	50
18622-1/4	0.3000	EA	25
18622-10	0.2770	EA	25
18622-6	0.2716	EA	25
18622-8	0.2716	EA	25
18625-10	0.2084	EA	50
18625-6	0.2084	EA	50
18625-8	0.2084	EA	50
18626-10	0.2015	EA	50
18626-6	0.2015	EA	50
18626-8	0.2015	EA	50
18627-1/4	0.4089	EA	25
18627-10	0.3243	EA	25
18627-6	0.3243	EA	25
18627-8	0.3243	EA	25
18650	4.2587	EA	1
18651	4.4304	EA	1
18653	4.7738	EA	1
18654	5.0314	EA	1
18655	5.2890	EA	1
18657	5.9003	EA	1
18659	6.3193	EA	1
1866	0.2929	EA	100
18661	6.9203	EA	1
1867	0.1474	EA	100
1868	0.6610	EA	25
18681	2.0606	EA	1
1869	1.2853	EA	25
18693	0.5088	EA	25
18694	0.5168	EA	25
18695	0.5248	EA	25
18696	0.5576	EA	25
18697	0.6400	EA	25
18698	0.7296	EA	25
18699	0.9293	EA	15
187	5.9880	EA	5
1870	0.8566	EA	25
18700-250	97.9662	RL	1
18700	0.9840	EA	15
18700A	54.8689	EA	1
18701-250	181.6553	RL	1
18701	1.3740	EA	10
18701N	98.4962	RL	1
18702	1.7840	EA	10
18702A	15.5824	EA	1
18703-1	18.5952	EA	1
18703	3.5280	EA	5
18704	4.5120	EA	5
18704A	13.3563	EA	1
18705	1.3940	EA	10
18706	1.6500	EA	10
18707	1.7840	EA	10
18708	4.1600	EA	5
18709-250	114.6496	RL	1
18709	73.3649	EA	1
18710-250	240.1424	RL	1
18710	115.2638	EA	1
18712	2.0920	EA	10
18713	2.5220	EA	10
18713A	19.0850	EA	1
18714	14.8824	EA	1
18715	2.5620	EA	10
18715A	17.9882	EA	1
18716	2.3380	EA	10
18716A	16.4512	EA	1
18717	23.6584	EA	1
18718	18.3550	EA	1
18719	155.4283	EA	1
18720	2.6040	EA	10
18720A	10.6278	EA	1
18721	2.6040	EA	10
18721A	12.2298	EA	1
18722	2.9940	EA	10
18723	2.9940	EA	10
18724	3.3000	EA	10
18725	3.4640	EA	10
18726	62.7203	EA	1
18727	36.0655	EA	1
18728	57.2294	EA	1
18729	120.1034	EA	1
18730	63.0382	EA	1
18731	31.3414	EA	1
18732	10.8756	EA	1
18733-1	75.6791	EA	1
18733-2	53.9579	EA	1
18733	53.9579	EA	1
18734	8.9200	EA	4
18735-50	314.5291	EA	1
18735	9.1250	EA	4
18736	10.5600	EA	4
18736N	113.6075	RL	1
18737	11.4800	EA	4
18737A	205.8265	EA	1
18738-1-FT	0.9713	EA	250
18738-1	242.8765	EA	1
18738	13.1700	EA	4
18738A	108.1162	EA	1
1874	0.5421	EA	50
18740	10.1042	EA	1
18741-1	3.9432	EA	1
18741-2	3.9432	EA	1
18741	18.5458	EA	1
18742-1	6.7059	EA	1
18742	54.5050	EA	1
18743-1	21.3696	EA	1
18743-2	23.8519	EA	1
18744	17.0114	EA	1
18745	24.3842	EA	1
18747	8.5966	RL	1
18748	13.1652	RL	1
18749-1	23.7389	EA	1
18750	248.6192	EA	1
18751	281.1660	EA	1
18752	225.6776	EA	1
18754	175.8172	EA	1
18757	14.7422	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
18758	40.6152	EA	1
18759	38.1555	EA	1
18762	17.0532	EA	1
18763	11.8061	EA	1
18764	10.6400	EA	1
18765-50	70.1076	EA	1
18765-B	5.3424	EA	1
18765	44.8052	EA	1
18767	19.6516	EA	1
18768	26.8118	EA	1
18770-1	8.4164	EA	1
18770-2	8.4164	EA	1
18770	517.9436	EA	1
18772-1	8.7344	EA	1
18772-2	8.7344	EA	1
18773	29.9400	EA	1
18775-1	13.6316	EA	1
18775-2	13.6316	EA	1
18777-1	14.5644	EA	1
18777-2	14.5644	EA	1
1878	0.2988	EA	50
18780	40.8504	EA	1
18781	40.8504	EA	1
18782	41.0699	EA	1
18783	47.9027	EA	1
18784	74.0399	EA	1
18785	74.0399	EA	1
18787	32.9335	EA	1
18788	32.9335	EA	1
18789	58.9515	EA	1
18790-1	2.8832	EA	1
18790-2	2.6548	EA	1
18791-1	4.3036	EA	1
18791-2	3.7126	EA	1
18792-1	3.9432	EA	1
18792-2	2.6290	EA	1
18793-1	5.4484	EA	1
18793-2	4.7669	EA	1
187A	0.7938	EA	25
188	6.8080	EA	5
18800-1	11.2466	EA	1
18800-2	11.2466	EA	1
18800-G	14.4512	EA	1
18806-1	7.8122	EA	1
18806-2	7.8122	EA	1
18806-G	15.2746	EA	1
18810-1	3.3708	EA	1
18810-2	3.3708	EA	1
18811-1	19.6736	EA	1
18811-2	18.5458	EA	1
18814-1	5.6841	EA	1
18817-1	7.3635	EA	1
18820-1	21.1470	EA	1
18820-2	20.5428	EA	1
18826-2	25.3022	EA	1
18831-1	9.8262	EA	1
18831-2	9.8262	EA	1
18831-G	19.4298	EA	1
1884	0.2035	EA	25
18840-1	0.4982	EA	1
18840-2	0.4982	EA	1
18840-S	1.4098	EA	1
18841-1	0.9646	EA	1
18841-2	0.9646	EA	1
18841-S	2.8196	EA	1
18842-1	0.5706	EA	1
18842-2	0.4982	EA	1
18842-S	1.4816	EA	1
18843-1	0.9646	EA	1
18843-2	0.9646	EA	1
18843-S	3.0673	EA	1
18844-1	0.9646	EA	1
18844-2	0.9646	EA	1
18844-S	2.8196	EA	1
18845-1	0.9032	EA	1
18845-2	0.9032	EA	1
18845-S	1.4816	EA	1
18850	15.5820	EA	1
18851	12.0734	EA	1
18852	28.2766	EA	1
18853	18.8510	EA	1
18856	22.4932	EA	1
18857	14.6174	EA	1
18858	39.1283	EA	1
18859	16.3844	EA	1
18866	52.3055	EA	1
18867	30.1642	EA	1
18868	43.8628	EA	1
18869	24.8146	EA	1
18870-C	13.0592	EA	1
18870-HP	14.8514	EA	1
18870-P	7.3458	EA	1
18871-C	13.2499	EA	1
18872-C	13.2499	EA	1
18874-C	19.6842	EA	1
18874-HC	26.0972	EA	1
18874-HP	20.0446	EA	1
18874-HPO	16.3679	EA	1
18874-P	10.6848	EA	1
18876-C	17.6691	EA	1
18876-HC	17.6691	EA	1
18876-HP	15.5584	EA	1
18876-P	10.4227	EA	1
18877-C	18.4044	EA	1
18877-P	11.7624	EA	1
18879-HP	14.1548	EA	1
18879-P	16.2366	EA	1
18881-C	18.7860	EA	1
18881-D	24.7952	EA	1
18881-P	10.6779	EA	1
18881	13.7822	EA	1
18882-C	20.9167	EA	1
18882-P	15.1118	EA	1
18882	15.9013	EA	1
18883-C	41.2692	EA	1
18883-P	20.8869	EA	1
18883	27.7439	EA	1
18884-C	19.2945	EA	1
18884-P	11.4119	EA	1
18884	15.0985	EA	1
18885-C	20.9167	EA	1
18885-P	15.1118	EA	1
18885	18.0203	EA	1
18886-C	41.9695	EA	1
18886-P	21.4551	EA	1
18886	22.2549	EA	1
18890-50	72.3469	EA	1
18890	53.6996	EA	1
18891	121.1543	EA	1
18892	52.7364	EA	1
18893	12.2053	EA	1
189	7.4200	EA	5
1890-1	0.2224	EA	25
1890-2	0.1936	EA	25
18904-HD	18.6541	EA	1
18904	47.7966	EA	1
1891	0.0591	EA	50
18917	149.2904	RL	1
1892	0.1902	EA	100
1892163-X	27.1365	EA	1
1892164-X	27.1365	EA	1
1893	0.1231	EA	50
18938	8.1101	PR	6
1894	0.3458	EA	50
18941	8.2682	EA	5
18946-1	4.5898	EA	2
18946-1N	3.9749	EA	2
18946-1P	3.9749	EA	2
18946-2	4.5898	EA	2
18946-3N	4.5898	EA	2
18946-3P	4.3342	EA	2
18946-4N	4.5131	EA	2
18946-4P	4.5131	EA	2
18947-1N	3.9749	EA	2
18947-1P	3.9749	EA	2
18947-2N	4.3342	EA	2
18947-2P	4.5898	EA	2
18947-3N	4.5898	EA	2
18947-3P	4.5898	EA	2
18947-4N	4.5131	EA	2
18947-4P	4.5131	EA	2
18948-1	3.6047	EA	5
18948-10	4.0281	EA	5
18948-20	4.1977	EA	5
18948-30	3.3589	EA	5
18948-4	5.9786	EA	5
18949-10	4.5157	EA	2
18949-20	4.9290	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
18949-30	5.0456	EA	2
1895	0.2184	EA	50
18950-1	2.7137	EA	5
18950-10	2.8621	EA	5
18950-30	3.7101	EA	5
18950-4	2.0512	EA	5
18950-40	4.1341	EA	5
18951-10	5.0881	EA	2
18951-20	4.9291	EA	2
18951-40	5.2471	EA	2
18952	0.2132	EA	50
18953	0.2172	EA	50
18953A	3.9736	EA	10
18966	17.2992	EA	1
18967	17.2992	EA	1
1897	0.2517	EA	50
18970	2.4919	PR	1
18982	13.3348	EA	3
18983	6.4660	EA	6
18987	1.2402	EA	5
18988	1.4840	EA	5
18990	2.1057	PR	1
18992	3.3072	EA	10
18994	1.3409	EA	10
18995	3.3890	EA	10
18999	4.0280	PR	3
19004-16	3.7736	EA	1
19005-16	3.1376	EA	1
19006-16	3.1588	EA	1
19008	3.9221	EA	6
1901	0.2279	EA	50
19010	61.5648	EA	1
19012	3.4516	EA	3
19014	22.7113	EA	1
19015	54.0261	EA	1
19018	145.7076	RL	1
19019	72.3906	EA	1
1902	0.5010	EA	25
19020	5.3212	EA	1
19023	10.0700	BX	1
19024	13.1864	EA	2
19025	1.5476	EA	1
19026	10.8454	ST	1
19027	16.9457	ST	1
19028	3.2987	EA	1
19029	3.8805	EA	1
1903	0.6220	EA	25
19030	7.7168	EA	1
19031	3.6040	EA	2
19032	3.3781	EA	1
19033	8.2754	EA	1
19034	23.9317	EA	1
19037-10	4.9869	BX	1
19037-50	24.5319	BX	1
19037	6.9955	EA	1
19038-10	4.7673	BX	1
19038-100	19.2941	BX	1
19038	4.8541	EA	1
19039	22.5865	EA	1
19040-1/8	40.8720	EA	1
19040-BLD	11.6995	EA	1
19041-5/16	55.6818	EA	1
19041-BLD	13.3068	EA	1
19042	6.6780	EA	1
19044-1	0.6890	EA	10
19044-2	0.7315	EA	10
19044-3	0.7208	EA	10
19044	1.0290	EA	10
19045-1	4.2070	EA	10
19045-4	16.3664	EA	1
19045	5.8200	EA	1
19046-1	11.5222	EA	1
19046	7.4067	EA	1
19048-1	17.1826	EA	1
19048	20.5330	EA	1
19049-1N	4.6372	CD	1
1905	0.2498	EA	50
19050	12.2897	EA	1
19052-1	2.3530	CD	1
19054	3.7621	EA	10
19056	85.2546	EA	1
19057	78.2814	EA	1
19058	49.6954	EA	1
19059-1	23.7864	EA	1
19059-1/2	9.7520	EA	1
19059-1/4	9.7520	EA	1
19059-11/2	43.5130	EA	1
19059-11/4	32.5314	EA	1
19059-2	52.2474	EA	1
19059-3/4	14.7128	EA	1
19059-3/8	9.7520	EA	1
1906	0.2121	EA	25
19060-1	8.8288	EA	1
19060-1/2	4.4058	EA	1
19060-3/4	6.2828	EA	1
19065-1	18.2187	EA	1
19065-2	21.9645	EA	1
19065-3	27.5005	EA	1
19065-4	34.8348	EA	1
19065-5	46.0879	EA	1
19065-6	58.7659	EA	1
19065-7	106.8606	EA	1
19065	19.0469	EA	1
19066	5.7911	EA	1
19067	5.0335	EA	1
19068	6.3605	EA	1
19069	9.2369	EA	1
1907	0.7678	EA	25
19070	12.5928	EA	1
19071	16.3574	EA	1
19072	24.4243	EA	1
19073	5.8226	EA	1
19074-1	16.5890	EA	1
19074-2	20.5216	EA	1
19074-3	31.8398	EA	1
19074-4	38.9791	EA	1
19074-5	50.0850	EA	1
19074	10.6530	EA	1
19075-1	8.3528	EA	1
19075-2	11.1724	EA	1
19075-3	20.9562	EA	1
19075-4	26.0866	EA	1
19075-5	35.4040	EA	1
19075-7	5.4802	EA	1
19075-8	5.4802	EA	1
19075	5.4802	EA	1
19076-1	13.9178	EA	1
19077-1	22.2494	EA	1
19078-1	30.7338	EA	1
19079	9.5506	EA	1
19080	11.9679	EA	2
19082	4.3142	EA	6
19083-1	11.2669	EA	1
19083	17.5944	EA	1
19084	3.9934	EA	6
19085-1	20.6322	EA	1
19085	13.3322	EA	1
19087	45.5841	EA	1
19088-BB	31.9282	EA	1
19088	43.1951	EA	1
19090	27.1996	EA	1
19091	44.1808	EA	1
19092-1	60.2610	EA	1
19092	54.8700	EA	1
19093	4.3672	EA	3
19094-1	24.4118	EA	1
19094-2	32.0223	EA	1
19094	16.7798	EA	1
19095-1	19.7266	EA	1
19095-2	17.0278	EA	1
19095-3	30.6446	EA	1
19095	21.4968	EA	1
19096	19.0863	EA	1
19097	30.4114	EA	1
19101	6.7734	EA	1
19102	5.0104	EA	25
19102A	5.3949	EA	2
19103	5.0432	EA	25
19104	5.1904	EA	25
19104A	6.0583	EA	12
19105	5.1992	EA	25
19105A	8.6787	EA	12
19106	6.5112	EA	25
19106A	10.8544	EA	1
19107	6.4944	EA	25
19109	2.9089	EA	6
19110	0.8162	EA	10
19112	0.7102	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
19113	1.9928	EA	10
19114	3.7206	EA	10
19116	2.0246	EA	10
19118	32.6388	CS	1
19119	39.4801	EA	1
19120	8.1938	BX	1
19121	8.1938	EA	1
19122	12.4859	EA	1
19124	12.7559	BX	1
19125	12.7559	BX	1
19126	12.7559	BX	1
19127	33.3757	BX	1
1913	0.3748	EA	25
19130	5.0419	EA	1
19131	5.1707	EA	1
19135	3.8902	EA	1
19136	3.8902	EA	1
19140N	27.8568	BX	1
1916	0.2923	EA	50
19160N	46.3215	CS	1
19161N	34.7482	CS	1
19162N	55.2437	CS	1
1917	0.4418	EA	50
19172	1.2960	EA	25
19176	1.2384	EA	25
1918	0.6179	EA	25
19191	4.6880	EA	1
19199	2.8280	EA	5
192	1.0660	EA	10
1920	0.2009	EA	25
19200	9.5923	EA	1
19201	15.0736	EA	1
1921	0.5154	EA	25
19214	2.0435	EA	6
1922	0.1776	EA	25
19220	0.6382	EA	24
19222	0.5194	EA	24
19223	1.7702	EA	12
19224	5.2152	EA	1
19226	0.7208	EA	24
19227	0.7208	EA	24
19230	1.5370	EA	12
19231	1.5370	EA	12
19232	1.0706	EA	24
19233	1.0706	EA	12
19234	3.0528	EA	12
19235	13.5786	EA	1
19236-6	8.4624	EA	1
1924	4.7748	EA	5
19243-10-10	95.9097	EA	1
1925	0.0245	EA	100
19258	1.3856	EA	25
19259	1.4184	EA	25
19260	1.6480	EA	25
19261	1.8208	EA	25
19262	1.7792	EA	25
19278	86.1681	CS	1
19280	87.3980	CS	1
19282	0.4676	EA	50
19283	0.5044	EA	50
19284	0.5496	EA	50
19285	0.6436	EA	50
19286	1.0113	EA	30
19287	1.1580	EA	20
19288	1.6200	EA	20
19289	1.6500	EA	20
19290	2.5220	EA	10
19291	4.0600	EA	10
19291A	41.8064	EA	1
19292-K	12.1344	EA	1
19293-K	42.9254	EA	1
19293	134.3444	EA	1
19295-E	8.9570	EA	1
19296-D	11.1835	EA	1
19297-A	23.1651	EA	1
19297-B	24.1719	EA	1
19298	1.8173	EA	15
19299	1.9133	EA	15
193	1.1480	EA	10
19300	2.1053	EA	15
19302	1.9547	EA	15
19302A	50.6468	EA	1
19308	40.7782	EA	1
19309	64.4374	EA	1
19310-1	21.2954	EA	1
19310	15.5791	EA	1
19311	31.4227	EA	1
19313	148.7600	EA	1
19314	5.0109	EA	6
19315	32.1937	EA	1
19317	2.0300	EA	10
19317A	27.0406	EA	1
19318	8.2574	PR	1
1932-1	0.9453	EA	10
1932	1.0918	EA	10
19325	2.3108	EA	10
19326	2.3108	EA	10
19327	2.3108	EA	10
19328	5.9254	EA	2
19330	8.0772	EA	1
19331	8.9570	EA	1
19332	25.9382	EA	1
19333-1	10.1230	KT	1
19333	22.2176	EA	1
19334-1	10.1972	KT	1
19334-2	10.1972	KT	1
19334	53.3604	EA	1
19336	11.6074	EA	1
19337	10.1972	EA	1
19339	108.9044	EA	1
19340	11.9462	EA	1
19341	2.9214	EA	5
19342	2.8641	EA	5
19343	2.3892	EA	5
19344	2.3892	EA	5
19345	2.3892	EA	5
19346	2.0601	EA	5
1935	1.0086	EA	25
19350	14.3206	EA	1
19351	2.9638	EA	5
19352	2.9638	EA	5
19353	3.5828	EA	5
19354	3.5828	EA	5
19355-1	3.7036	EA	5
19355-2	3.7036	EA	5
19355	4.7700	EA	5
19356	1.8786	EA	5
19357	3.5828	EA	5
19358-1	4.6958	EA	5
19358-2	5.6816	EA	5
19358	4.5389	EA	5
19359	6.2095	EA	5
1936	0.6063	EA	50
19360	6.2095	EA	5
1937	2.1681	EA	25
19371	0.8377	EA	1
19372	4.7175	EA	1
19373	8.2468	EA	1
19374	0.9207	EA	1
19376	8.2468	EA	1
19377	8.2468	EA	1
19378	8.2468	EA	1
19379	7.6828	EA	1
1938	0.5554	EA	25
19380	1.4971	EA	1
19381	1.4971	EA	1
19387	9.5838	EA	1
19388	11.2078	EA	1
19389	11.2078	EA	1
19390	40.7146	EA	1
19391	40.7146	EA	1
19392	16.8786	EA	1
19393	16.8753	EA	1
19395	20.0521	EA	1
19396	20.7459	EA	1
19397	20.7459	EA	1
194	0.9440	EA	10
19401	10.1149	EA	1
19403	3.0753	EA	12
19410	13.3168	EA	12
19414	9.5890	EA	4
19415	31.6027	EA	1
19416	294.1625	EA	1
19419	17.0342	EA	1
1942	0.2735	EA	50
19423	2.1865	EA	12
19425	1.2932	EA	24
19426	5.7452	EA	12

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
19427	4.0509	EA	12
19428	1.7516	EA	24
19430	3.7205	EA	12
19431	20.4254	GL	1
19432	53.8778	EA	1
19433	219.6188	EA	1
19434	349.6334	EA	1
19435	3.7270	EA	6
19436	2.7475	EA	10
19438	5.3151	EA	1
19439	5.4688	EA	12
19443	32.1943	EA	1
19445	153.3176	EA	1
19447	3.4436	EA	6
19454	5.3511	EA	1
19463	4.4750	EA	12
19471	26.7084	EA	1
19475	3.7475	EA	6
19477	4.8591	EA	12
19478	16.6225	EA	1
19479	8.0429	EA	1
19480	38.1201	EA	1
19481	7.2530	EA	1
19483	7.1868	EA	1
19484	89.0327	GL	1
19485	1.6600	EA	10
1949	0.2836	EA	50
19499	4.6100	EA	2
194LL	1.2024	EA	10
1950	0.9305	EA	25
19500	9.8877	EA	1
19521	4.5913	EA	1
19522	16.3646	EA	1
1953	0.3539	EA	50
19558	9.2644	EA	1
19560	45.1136	EA	1
19562-1/8	5.4802	EA	1
19562-3/16	5.4802	EA	1
19563-1/8	5.7121	EA	1
19564-1/2	7.2928	EA	1
19564-3/4	9.4870	EA	1
19564-5/8	8.8828	EA	1
19565	6.5968	EA	1
19566	7.0066	EA	1
19568	79.5730	EA	1
19580	10.0133	EA	1
19581	10.5725	EA	1
19585	8.8631	EA	1
19586	8.6475	EA	1
1959	8.0720	EA	2
19600-A	1.4713	EA	20
19600-B	1.8023	EA	20
19600-C	2.3909	EA	20
19600-D	3.1633	EA	20
19601-A	1.4713	EA	20
19601-B	1.8023	EA	20
19601-C	2.3909	EA	20
19601-D	2.8690	EA	20
19602-A	1.4713	EA	20
19602-B	1.8023	EA	20
19602-C	2.3909	EA	20
19602-D	3.1633	EA	20
19603-A	1.4713	EA	20
19603-B	1.8023	EA	20
19603-C	2.3909	EA	20
19603-D	3.1633	EA	20
19604-A	1.4713	EA	20
19604-B	1.8023	EA	20
19604-C	2.3909	EA	20
19604-D	3.1633	EA	20
19605-A	1.4713	EA	20
19605-B	1.8023	EA	20
19605-C	2.3909	EA	20
19605-D	3.1633	EA	20
19606-A	1.4713	EA	10
19606-B	1.8041	EA	10
19606-C	2.3926	EA	10
19606-D	3.1633	EA	10
19607-A	1.6570	EA	10
19607-B	1.8041	EA	10
19607-C	1.9127	EA	10
19607-D	3.6047	EA	10
19608-A	1.6570	EA	10
19608-B	1.8041	EA	10
19608-C	1.9127	EA	10
19608-D	3.6047	EA	10
19609-A	1.8006	EA	5
19609-B	2.2069	EA	5
19609-C	3.1248	EA	5
19609-D	4.8185	EA	5
19610-A	2.0248	EA	5
19610-B	2.9776	EA	5
19610-C	4.3789	EA	5
19610-D	4.5961	EA	5
19611-A	2.3541	EA	5
19611-B	3.4190	EA	5
19611-C	5.7731	EA	5
19611-D	9.2692	EA	5
19612-A	2.7955	EA	5
19612-B	3.7886	EA	5
19612-C	6.5087	EA	5
19612-D	10.5233	EA	5
1962	1.0781	EA	10
19620	14.5008	EA	1
19621	15.0983	EA	1
19622	9.8898	EA	1
19623	12.6458	EA	1
19624	12.1158	EA	1
19625	11.1300	EA	1
19626	10.1177	EA	1
19627	10.1177	EA	1
19628	10.9392	EA	1
19629	10.7840	EA	1
19630	11.6706	EA	1
19631	10.7840	EA	1
19632	10.8544	EA	1
19633	12.2748	EA	1
19634	12.6461	EA	1
19635	13.8012	EA	1
1964	0.3374	EA	50
19640	33.1742	EA	1
19642	21.0028	EA	1
19643	20.1936	EA	1
19644	19.7224	EA	1
19645	22.6580	EA	1
19646	22.6212	EA	1
19647	23.3306	EA	1
19648	23.6809	EA	1
19649	2.7110	EA	1
19650	24.5917	EA	1
19651	25.7109	EA	1
19652	27.8145	EA	1
19653	33.0306	EA	1
19654	38.7091	EA	1
19655	44.1021	EA	1
19660	19.8432	EA	1
19661	17.2510	EA	1
19662	20.5852	EA	1
19663	21.2530	EA	1
19664	22.3872	EA	1
19665	23.1822	EA	1
19666	21.4066	EA	1
19667	21.6141	EA	1
19668	26.4046	EA	1
19669	24.5339	EA	1
19670	30.8672	EA	1
19671	28.9110	EA	1
19672	38.6052	EA	1
19673	43.6296	EA	1
19674	45.0953	EA	1
19675	61.7132	EA	1
19703	8.3422	EA	1
19704	9.8679	EA	1
19705	4.4070	EA	5
19706	1.7181	CD	2
19707	3.3279	EA	10
19708	3.3279	EA	10
19709	2.9369	EA	1
19710	14.3126	EA	1
19711	12.6197	EA	1
19712	15.2322	EA	1
19713	22.3410	EA	1
19714	19.3556	EA	1
19716	13.1840	EA	1
19717	27.0194	EA	1
19720	54.7872	EA	1
19723	13.6970	EA	1
1973	0.0848	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
19753-12.....	17.7232	EA	1
19753-14.....	17.8504	EA	1
19753-16.....	18.8786	EA	1
19753-18.....	22.1434	EA	1
19753-20.....	23.5214	EA	1
19753-22.....	26.5318	EA	1
19753-24.....	27.8674	EA	1
19753-26.....	28.9062	EA	1
19753-28.....	36.9304	EA	1
19753-30.....	40.2482	EA	1
19753-32.....	48.4208	EA	1
19753-34.....	56.4980	EA	1
19753-36.....	65.6458	EA	1
19753.....	154.8008	EA	1
19755-10MM.....	14.4160	EA	1
19755-11MM.....	14.7658	EA	1
19755-12MM.....	15.3806	EA	1
19755-13MM.....	16.1438	EA	1
19755-14MM.....	16.9812	EA	1
19755-15MM.....	18.3698	EA	1
19755-17MM.....	22.6204	EA	1
19755-18MM.....	23.5956	EA	1
19755.....	123.3691	EA	1
19758.....	11.3738	EA	1
19759.....	12.6458	EA	1
19760.....	14.8612	EA	1
19761.....	20.0340	EA	1
19762.....	21.0834	EA	1
19774.....	20.8021	EA	1
19775-1.....	25.4718	EA	1
19776.....	32.0226	EA	1
19777-1.....	39.8242	EA	1
1978.....	0.1767	EA	50
19780.....	31.2434	EA	1
19781.....	51.5796	EA	1
19782.....	84.5562	EA	1
19792.....	26.9394	EA	1
19793.....	15.8788	EA	1
19794-1.....	9.4796	EA	2
19794.....	42.2390	EA	1
19796.....	36.3474	EA	1
19797-2.....	44.4670	EA	1
19797.....	32.1074	EA	1
19798.....	28.2576	EA	1
19799-8.....	63.4940	EA	1
19799.....	29.7000	EA	1
198.....	1.7240	EA	5
1980.....	0.8749	EA	10
19804.....	98.8002	EA	1
19805.....	108.5223	EA	1
19806.....	172.9997	EA	1
1981.....	0.5921	EA	25
19814.....	1.2098	EA	5
19817-1.....	1.5919	EA	5
19817-2.....	1.7118	EA	5
19817.....	1.4758	EA	5
19818.....	1.4608	EA	5
19819-1.....	6.2720	EA	1
19819-2.....	0.9027	EA	5
19819.....	1.3297	EA	5
1982.....	0.1561	EA	25
19820.....	0.7004	EA	5
19821.....	0.7004	EA	5
19823.....	0.6742	EA	5
19824.....	0.6555	EA	10
19825.....	1.4983	EA	10
19828.....	2.2474	EA	5
1983.....	0.2240	EA	25
19830.....	2.2474	EA	5
19831.....	7.4670	EA	1
19833.....	2.0825	EA	1
19834.....	2.0825	EA	1
19835.....	2.0825	EA	1
19838.....	49.2101	EA	1
19839.....	40.6915	EA	1
1984.....	0.1320	EA	25
19840-L.....	23.8952	EA	1
19840-M.....	23.8952	EA	1
19840-XL.....	26.6276	EA	1
19842-1/4.....	7.5667	EA	1
19842-1/8.....	6.4299	EA	1
19842-3/16.....	7.9802	EA	1
19842-3/8.....	7.8023	EA	1
19842-5/16.....	7.8023	EA	1
19842-5/32.....	7.3194	EA	1
19842-7/32.....	7.8023	EA	1
19842.....	152.7142	EA	1
19843-10.....	6.6586	EA	1
19843-4.....	7.8277	EA	1
19843-5.....	6.6586	EA	1
19843-6.....	7.0482	EA	1
19843-7.....	6.6586	EA	1
19843-8.....	6.6586	EA	1
19843.....	148.9300	EA	1
19844.....	63.6762	EA	1
19848.....	1.4758	EA	5
19851.....	55.2260	EA	1
19852-12.....	22.1540	EA	1
19852-6.....	17.3416	EA	1
19853.....	4.9919	EA	1
19854.....	9.4446	EA	1
19855.....	27.5812	EA	1
19858-10.....	4.5252	EA	1
19858-12.....	4.3157	EA	1
19858-14.....	4.4833	EA	1
19858-16.....	4.5671	EA	1
19858-18.....	4.5671	EA	1
19858-20.....	4.8604	EA	1
19858-22.....	4.0224	EA	1
19858-24.....	5.0280	EA	1
19858-28.....	5.6984	EA	1
19861.....	73.0764	EA	1
19862-10.....	25.5248	EA	1
19862-2.....	9.5741	EA	1
19863.....	12.7624	EA	1
19864.....	25.4331	EA	1
19865.....	26.2032	EA	1
19868-12.....	5.6565	EA	1
19868-14.....	5.8660	EA	1
19868-16.....	6.0755	EA	1
19868-18.....	6.0755	EA	1
19868-20.....	5.9707	EA	1
19868-22.....	6.4945	EA	1
19868-24.....	6.8715	EA	1
19868-26.....	6.7878	EA	1
19868-28.....	7.4162	EA	1
19868-30.....	8.4218	EA	1
19868-32.....	8.5475	EA	1
19868-34.....	9.3227	EA	1
19868-36.....	10.2654	EA	1
1987.....	0.1826	EA	25
19872.....	19.2602	EA	1
19880-1.....	2.7023	EA	10
19880.....	2.6939	EA	10
19881-1.....	3.2802	EA	10
19881.....	3.2802	EA	10
19882.....	0.6031	EA	10
19883.....	0.7192	EA	10
19884.....	3.8920	EA	10
19885-1.....	5.0665	EA	1
19885.....	9.2856	EA	1
19886.....	7.1656	EA	1
19887.....	7.6923	EA	1
19888-1.....	6.1553	EA	1
19888.....	8.5118	EA	1
19889-1.....	7.1656	EA	1
19889-2.....	9.2144	EA	1
19889.....	7.7664	EA	1
19890.....	9.2856	EA	1
19891.....	8.7885	EA	1
19894.....	8.4571	EA	1
19895.....	8.9159	EA	1
19896.....	10.2813	EA	1
19897.....	11.6947	EA	1
19898.....	9.4184	EA	1
199.....	1.3960	EA	5
1990.....	1.4522	EA	25
19900.....	5.1782	EA	12
1991.....	0.9001	EA	25
1992.....	0.7836	EA	25
19940.....	6.7134	EA	6
19942.....	26.8242	GL	1
1995.....	0.7168	EA	50
19957.....	563.0764	EA	1
19958.....	789.3547	EA	1
19959.....	985.1738	EA	1
19960.....	1175.0054	EA	1
19961.....	1196.7556	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
19962	1089.3787	EA	1
19963	885.7901	EA	1
19964	1084.6030	EA	1
19965	1068.3187	EA	1
19966	86.9551	EA	1
19967	47.4919	EA	1
19968	62.3473	EA	1
1997	0.5260	EA	50
1997037	4.0125	EA	5
1998	0.9772	EA	25
1999	0.6243	EA	25
1B243-10-10	126.7051	EA	1
1C943-16-8	47.8491	EA	1
1CA43-8-4	22.9028	EA	1
1CF43-10-6	68.2854	EA	1
1CF43-15-8	35.5955	EA	1
1D043-12-6	23.0437	EA	2
1FU71-16-16	107.6782	EA	1
1FU71-8-8	35.0236	EA	2
1J043-16-12	208.3798	EA	1
1J143-12-12	74.6277	EA	2
1J143-6-4	34.4598	EA	5
1J143-8-8	39.6041	EA	5
1J171-12-12	110.5674	EA	1
1J171-16-16	156.3729	EA	1
1J171-20-20	266.7290	EA	1
1J743-20-20	167.3663	EA	1
1J743-4-6	41.5773	EA	2
1J971-20-20	232.1282	EA	1
1JS43-10-12	49.3995	EA	2
1JS43-20-16	128.1849	EA	1
1JS43-4-6	22.6913	EA	4
1JS71-10-12	19.7890	EA	2
1JS71-16-12	90.1742	EA	1
1JS71-20-20	179.9562	EA	1
1UT43-12-12	46.7921	EA	1
2-0037597-	4.4235	EA	2
2-0347098-	12.6304	EA	1
2-0347099-	12.6304	EA	1
2	0.8439	EA	10
20	0.2057	EA	50
200	1.5160	EA	5
2000-1	0.1150	EA	100
20000	8.0178	BX	1
20001	8.6083	BX	1
20002	15.4230	BX	1
200020-1	3.3039	EA	1
20003	21.4938	BX	1
20004	20.7870	BX	1
20010	27.8250	BX	1
20011	70.8688	BX	1
200120-1	3.3547	EA	1
20013	33.0720	BX	1
20014	27.6660	BX	1
20015	7.1118	BX	1
20016	7.2292	BX	1
20017	39.1144	BX	1
2003	0.7548	EA	25
2004	0.6525	EA	50
20040	9.2697	BX	1
20041	50.0797	EA	1
20042	51.9587	EA	1
20045	27.7614	BX	1
2005	1.5799	EA	25
20050	10.2396	EA	1
20051	12.4597	EA	1
20053	11.7342	EA	1
20055	17.6701	EA	1
20056	22.6416	EA	1
20059	7.0702	EA	1
2006	1.8232	EA	25
20060	8.5012	EA	1
20062	19.3803	EA	1
20063	12.1521	BX	1
20064	15.4698	EA	1
20065	2.7030	EA	2
20066	13.4023	EA	1
20068	14.9005	EA	1
20069	10.8914	EA	2
200730	5.5912	EA	25
20074	10.3337	EA	2
2008	0.8108	EA	25
20080	15.0668	BX	1
200800-1	5.1846	EA	1
20082	10.5406	BX	1
20084	65.0891	BX	1
2009	1.1975	EA	25
20097	34.3196	BX	1
200A	3.7236	EA	10
200AGF	92.7838	BX	1
200ECCN	3.9430	EA	10
200ECCP	4.3246	EA	10
200EMT	2.1019	EA	10
200ESCN	2.4932	EA	20
200ESCP	2.6071	EA	20
200OFN	6.2873	EA	2
200SEF	175.6731	EA	1
200SUL	244.2545	BX	1
201-24-RL	2661.3356	EA	1
201	2.2560	EA	5
2010-2	2.1413	EA	25
2010-21/2	2.0661	EA	25
2010-3	2.4154	EA	25
2010-31/2	2.5986	EA	25
2010-4	3.0876	EA	25
20109	25.6626	EA	1
2011	0.9334	EA	25
20111	5.1276	EA	1
20116	33.6016	EA	1
20117	2.6818	EA	1
20118	20.2248	ST	1
2012	0.8133	EA	50
20120-20-20	68.6378	EA	1
20120-24-24	116.0641	EA	1
20120-32-32	166.0978	EA	1
20122	8.0454	EA	1
2013	1.9536	EA	10
20144	31.7690	EA	1
20145	11.5752	EA	1
20146	5.9891	EA	1
20147	5.9891	EA	1
20149	6.4342	EA	1
2015-1	1.9610	EA	10
2015	0.9506	EA	10
20156	4.8953	EA	6
2016	13.9814	EA	4
2017	10.8862	EA	4
2018	2.7217	EA	5
2019-1	3.1482	EA	10
2019	2.1836	EA	10
202	0.1807	EA	25
2020-1	8.5648	EA	5
2020-3	4.6807	EA	25
2020-31/2	4.8659	EA	25
2020-4	3.6720	EA	25
2020	2.7415	EA	10
2021-1	2.4274	EA	5
2021	2.8841	EA	5
202133	11.3200	EA	1
2023-1	4.0763	EA	1
2023	5.4802	EA	10
2025-1	4.4139	EA	1
2025	5.8618	EA	10
2026	7.3352	EA	10
2027-1	8.6072	EA	1
2027	5.8476	EA	10
2028	5.6426	EA	5
20281	6.4698	EA	1
20282	5.8396	EA	1
20283	6.3346	EA	1
20284	6.5087	EA	1
20285	6.0061	EA	1
20286	5.4543	EA	1
20287	5.5625	EA	1
20288	6.1032	EA	1
20289	5.9410	EA	1
2029	14.6018	EA	1
20290	10.0806	EA	1
20291	11.8720	EA	1
20292	15.3806	EA	1
20293	7.4643	EA	1
20294	8.9830	EA	1
20295	14.1616	EA	1
20296	18.7726	EA	1
20297	20.5762	EA	1
20298	34.6733	EA	1
203-02-001	11.1687	EA	1
203-02-002	16.3440	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
203	2.3426	EA	10
20300	53.8024	EA	1
20302	89.6442	EA	1
20303	64.2053	EA	1
20304	35.6014	EA	1
20305	54.0176	EA	1
20306	43.9868	EA	1
20307	61.9369	EA	1
20308	47.9175	EA	1
20309	37.1446	EA	1
20310	7.8758	EA	1
20311	11.0240	EA	1
20312	10.4622	EA	1
20313	13.8224	EA	1
20314	16.8646	EA	1
20315	2.9553	EA	1
20316	7.8758	EA	1
20317	10.6318	EA	1
20318	13.6528	EA	1
20319	16.6208	EA	1
2032-1	3.7518	EA	1
2032	5.7134	EA	10
20320-6-6	18.9564	EA	2
20320-8-8	23.3256	EA	2
20320	3.2610	EA	1
20321	2.6156	EA	1
20324	7.3624	EA	1
203240	22.0056	EA	1
20325	7.6990	EA	1
20326	7.7602	EA	1
20327	8.6872	EA	1
20328	10.1448	EA	1
20329	11.7974	EA	1
2033	9.1419	EA	4
20330	16.1696	EA	1
20331	9.7626	EA	1
20332	11.2890	EA	1
20333	12.1688	EA	1
20334	14.7234	EA	1
20335	27.2858	EA	1
20337	13.1716	EA	1
20338	11.9105	EA	1
20339	11.9105	EA	1
2034	12.7651	EA	2
20340	8.5436	EA	1
20341	11.3850	EA	1
20342	7.9712	EA	1
20343	9.0380	EA	1
20344	21.8943	EA	1
20345	21.8943	EA	1
20346	25.4824	EA	1
20347	25.4824	EA	1
20348	36.1036	EA	1
20349-1	57.1704	EA	1
20349	34.9258	EA	1
203494	0.0798	EA	500
2035-1	10.5735	EA	2
2035	10.6416	EA	2
20350	57.1704	EA	1
20351	14.2960	EA	1
20352	23.4896	EA	1
20353	20.8762	EA	1
20357	15.1986	EA	1
20358	17.4306	EA	1
2036-2	0.4005	EA	25
2036	0.2005	EA	50
20360	68.7516	EA	1
20361	22.7397	EA	1
20362	22.5650	EA	1
20363	29.7648	EA	1
20364	25.0796	EA	1
20365	22.5650	EA	1
20367-1	30.3491	EA	1
20367	25.4084	EA	1
20368	30.0722	EA	1
2037	42.0542	EA	1
20370	16.7387	EA	1
20371	32.2240	EA	1
20372	94.2234	EA	1
20373	71.9978	EA	1
20374	32.9573	EA	1
20376-1	15.0520	EA	1
20376	16.2180	EA	1
20377-1	22.1898	EA	1
20377-2	15.6456	EA	1
20377	19.8220	EA	1
20378	20.2778	EA	1
20379-1	14.7658	EA	1
20379-2	13.5998	EA	1
20379	16.2180	EA	1
2038	14.1722	EA	1
20380	17.0872	EA	1
20382	15.2958	EA	1
20383	25.1114	EA	1
20384	25.8004	EA	1
20385	24.0302	EA	1
20386	32.5526	EA	1
20387-24	37.0576	EA	1
20387-36	42.6756	EA	1
20387	34.8104	EA	1
2039	2.4274	EA	10
20390	29.4892	EA	1
20391	29.4892	EA	1
20392	29.4892	EA	1
204	0.8417	EA	25
20400-1	47.2917	EA	1
20400	31.4227	EA	1
20401	47.2917	EA	1
20402	47.2917	EA	1
20403	80.8162	EA	1
20404	80.8162	EA	1
20405	111.3982	EA	1
2041	2.0776	EA	10
2042	78.3976	RL	1
20420-12-12	47.5673	EA	1
20421-B	6.0950	EA	1
20421-P	6.0950	EA	1
20421-T	6.0950	EA	1
20421	18.2744	EA	1
20422-B	5.0244	EA	1
20422-P	5.0244	EA	1
20422-T	5.0244	EA	1
20422	15.0626	EA	1
20423-B	5.0244	EA	1
20423-P	5.0244	EA	1
20423-T	5.0244	EA	1
20423	15.0626	EA	1
20424-B	5.3212	EA	1
20424-P	5.3212	EA	1
20424-T	5.3212	EA	1
20424	15.9106	EA	1
20425-B	5.8194	EA	1
20425-P	5.8194	EA	1
20425-T	5.8194	EA	1
20425	17.3840	EA	1
20426-B	7.0968	EA	1
20426-P	7.0968	EA	1
20426-T	7.0968	EA	1
20426	21.4925	EA	1
20427-B	5.8194	EA	1
20427-P	5.8194	EA	1
20427-T	5.8194	EA	1
20427	17.3840	EA	1
20428-B	7.3565	EA	1
20428-P	21.9102	EA	1
20428-T	13.4436	EA	1
20428	40.3020	EA	1
20429-B	7.1762	EA	1
20429-P	7.1762	EA	1
20429-T	7.1762	EA	1
20429	21.5074	EA	1
2043	0.3646	EA	50
20430-B	10.9338	EA	1
20430-P	30.7400	EA	1
20430-T	10.9338	EA	1
20430	32.7724	EA	1
20431-B	12.8366	EA	1
20431-P	12.8366	EA	1
20431-T	12.8366	EA	1
20431	38.5628	EA	1
20432-B	16.8766	EA	1
20432-P	37.0894	EA	1
20432-T	16.8766	EA	1
20432	50.6299	EA	1
20433-B	19.1966	EA	1
20433-P	19.1966	EA	1
20433-T	19.1966	EA	1
20433	57.6004	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
20434-B.....	29.2240	EA	1
20434-P.....	43.6084	EA	1
20434-T.....	29.2240	EA	1
20434.....	87.6720	EA	1
20435-B.....	23.3730	EA	1
20435-P.....	23.3730	EA	1
20435-T.....	23.3730	EA	1
20435.....	70.1614	EA	1
20436-B.....	25.8198	EA	1
20436-P.....	39.2923	EA	1
20436-T.....	39.2923	EA	1
20436.....	117.9057	EA	1
20437-B.....	31.4502	EA	1
20437-P.....	31.4502	EA	1
20437-T.....	31.4502	EA	1
20437.....	94.3718	EA	1
20438-B.....	53.3706	EA	1
20438-P.....	42.8134	EA	1
20438-T.....	53.3706	EA	1
20438.....	124.0217	EA	1
20439-B.....	42.8134	EA	1
20439-P.....	53.3706	EA	1
20439-T.....	42.8134	EA	1
20439.....	128.4296	EA	1
2044.....	1.9872	EA	10
2045.....	3.8054	EA	10
2046.....	12.2324	EA	1
2047.....	20.8184	EA	1
20478-1.....	31.4227	EA	1
20478.....	1.1880	EA	5
20478A.....	28.8320	EA	1
20479.....	38.6067	EA	3
20479A.....	25.0120	EA	1
2048.....	13.0057	EA	1
20480-1.....	31.4227	EA	1
20480.....	60.2733	EA	3
20480A.....	28.8320	EA	1
20481-1.....	3.3495	EA	1
20481.....	28.8320	EA	1
20482-1.....	31.4227	EA	1
20482.....	28.8320	EA	1
20483-1.....	31.4227	EA	1
20483.....	28.8320	EA	1
20484.....	102.9200	EA	1
20484A.....	35.9234	EA	1
20485-1.....	31.4227	EA	1
20486.....	35.9234	EA	1
20487.....	31.4227	EA	1
20488.....	31.4227	EA	1
20489-1.....	47.2917	EA	1
20489.....	35.9234	EA	1
20490-1.....	47.2917	EA	1
20490.....	31.4227	EA	1
20491-1.....	47.2917	EA	1
20491.....	35.9234	EA	1
20492.....	47.2917	EA	1
20493.....	57.4096	EA	1
20494.....	47.2917	EA	1
20495.....	47.2917	EA	1
20496.....	57.4096	EA	1
20497.....	47.2917	EA	1
20498.....	47.2917	EA	1
20499.....	47.2917	EA	1
205.....	4.3880	EA	5
20500-1.....	5.0410	EA	1
20500.....	80.8162	EA	1
20502.....	2.3160	EA	10
20502A.....	14.1616	EA	1
20503.....	2.3380	EA	10
20503A.....	14.4266	EA	1
20504-1.....	15.5078	EA	1
20504.....	2.3980	EA	10
20504A.....	14.1616	EA	1
20505.....	2.4600	EA	10
20505A.....	15.6456	EA	1
20506.....	2.4800	EA	10
20506A.....	22.1434	EA	1
20507.....	2.5220	EA	10
20507A.....	26.5636	EA	1
20508.....	2.5620	EA	10
20509.....	2.6440	EA	10
20509A.....	35.7008	EA	1
20510.....	2.7260	EA	10
20511.....	3.1160	EA	10
20511A.....	226.7323	EA	1
20512.....	3.3420	EA	10
20512A.....	264.9441	EA	1
20514.....	41.9682	EA	1
20515.....	54.6021	EA	1
20516.....	69.6297	EA	1
20517.....	77.5646	EA	1
20518.....	86.6077	EA	1
20519.....	94.3210	EA	1
20523.....	2.3712	EA	1
20524.....	2.5867	EA	1
20525.....	2.7484	EA	1
20526.....	2.9101	EA	1
20527.....	3.0179	EA	1
20528.....	3.1795	EA	1
20529.....	3.3412	EA	1
20530.....	3.5029	EA	1
20531.....	3.7184	EA	1
20532.....	3.9340	EA	1
20533.....	4.2035	EA	1
20534.....	6.1974	EA	1
20535.....	7.0596	EA	1
20536.....	35.2600	EA	1
20536A.....	8.0297	EA	1
20537.....	8.0836	EA	1
20538.....	9.2691	EA	1
20539.....	10.1853	EA	1
2054.....	2.1094	EA	25
20540.....	11.0664	EA	1
20541.....	11.1014	EA	1
20542.....	12.7181	EA	1
20543.....	13.8498	EA	1
20544.....	14.8199	EA	1
20545.....	17.8377	EA	1
20546.....	20.1011	EA	1
20547.....	21.3406	EA	1
20549.....	130.6303	EA	1
2055.....	0.6898	EA	10
20550-10.....	31.9832	EA	1
20550-12.....	39.7951	EA	1
20550-14.....	50.5846	EA	1
20550-16.....	50.4772	EA	1
20550-2.....	16.7097	EA	1
20550-3.....	16.7097	EA	1
20550-4.....	16.7097	EA	1
20550-5.....	16.7097	EA	1
20550-6.....	16.7097	EA	1
20550-7.....	22.5949	EA	1
20550-8.....	22.5949	EA	1
20550.....	349.8184	ST	1
20551.....	9.2832	EA	1
20552.....	15.4837	EA	1
20553.....	13.9423	EA	1
20554.....	31.6585	EA	1
20555.....	39.0153	EA	1
20556.....	75.0270	EA	1
20557-1.....	2.1284	EA	1
20557.....	25.8640	EA	1
20558.....	32.8706	EA	1
20559.....	52.1626	EA	1
20560.....	66.5998	EA	1
20561-10.....	11.0134	EA	1
20561-12.....	15.0414	EA	1
20561-6.....	7.4942	EA	1
20561-8.....	8.8298	EA	1
20561.....	6.8558	EA	1
20562-10.....	11.4620	EA	1
20562-12.....	16.3161	EA	1
20562-8.....	9.5612	EA	1
20562.....	11.4264	EA	1
20563-10.....	12.4020	EA	1
20563-12.....	16.6314	EA	1
20563-8.....	9.6778	EA	1
20564-10.....	15.7834	EA	1
20564-12.....	17.0024	EA	1
20564-6.....	9.5824	EA	1
20564-8.....	10.8650	EA	1
20565-10.....	8.0242	EA	1
20565-12.....	10.3456	EA	1
20565-6.....	5.5332	EA	1
20565-8.....	6.1162	EA	1
20566-10.....	12.0628	EA	1
20566-12.....	17.0130	EA	1
20566-6.....	7.8016	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
20566-8.....	9.0524	EA	1
20567-10.....	13.3772	EA	1
20567-6.....	9.3386	EA	1
20567-8.....	10.9074	EA	1
20571-10.....	6.9642	EA	1
20571-12.....	10.8332	EA	1
20571-14.....	15.1686	EA	1
20571-6.....	4.5368	EA	1
20571-8.....	5.4908	EA	1
20572-10.....	9.7626	EA	1
20572-6.....	6.3212	EA	1
20572-8.....	7.9606	EA	1
20573-10.....	7.9350	EA	1
20573-6.....	4.4096	EA	1
20573-8.....	6.5932	EA	1
20575.....	12.7425	EA	1
20577-10.....	9.9852	EA	1
20577-8.....	8.7768	EA	1
20578.....	73.0976	EA	1
20579.....	26.9876	EA	1
2057ALL.....	3.6340	EA	10
2057LL.....	0.9646	EA	10
20583.....	12.4000	EA	1
20585.....	2.4659	EA	1
20586.....	2.7063	EA	1
20587.....	2.7666	EA	2
20588.....	2.9786	EA	2
20589.....	3.4980	EA	2
2059.....	10.1879	EA	5
205A.....	0.3739	EA	50
206-20.....	2220.9033	EA	1
206-24.....	2820.6409	EA	1
206.....	4.8800	EA	5
2060.....	10.1879	EA	5
20600.....	21.3688	EA	1
20601.....	23.8210	EA	1
20602.....	31.9832	EA	1
20603.....	49.5337	EA	1
20604.....	69.3962	EA	1
20605.....	105.3028	EA	1
20610.....	6.2116	EA	1
20611.....	7.1656	EA	1
20612.....	5.2364	EA	1
20613.....	5.9466	EA	1
20614.....	5.2364	EA	1
20615.....	5.9466	EA	1
20616.....	5.2364	EA	1
20617.....	5.2364	EA	1
20618.....	5.2364	EA	1
20619.....	5.8406	EA	1
20620-10-12.....	54.5438	EA	2
20620-10-8.....	28.9632	EA	2
20620-24-24.....	110.9903	EA	1
20620-4-5.....	19.3088	EA	4
20620-6-6C.....	221.6986	EA	4
20620-8-10.....	25.7920	EA	2
20620.....	4.3856	EA	12
20622.....	7.0637	EA	12
20624.....	8.1950	EA	12
2063-L.....	13.8889	EA	10
2063-R.....	14.0552	EA	10
2064-L.....	6.9642	EA	10
2064-R.....	6.9642	EA	10
20641.....	1.9100	EA	12
20642.....	4.3611	EA	12
20649.....	17.1932	EA	1
2065-L.....	7.8440	EA	10
2065-R.....	7.8440	EA	10
20650.....	17.3098	EA	1
20651.....	19.0800	EA	1
20652.....	25.2174	EA	1
20653.....	39.9408	EA	1
20654.....	55.9468	EA	1
20655.....	84.6728	EA	1
20660.....	4.8866	EA	1
20661.....	5.6710	EA	1
20662.....	6.7628	EA	1
20663.....	11.2890	EA	1
20664.....	11.4798	EA	1
20665.....	5.2364	EA	1
20666.....	5.6710	EA	1
20667.....	7.2292	EA	1
20668.....	11.2890	EA	1
20669.....	13.3878	EA	1
2067.....	8.9930	EA	5
20670.....	10.7590	EA	1
20671.....	11.4692	EA	1
20672.....	11.1724	EA	1
20673.....	11.4692	EA	1
20674.....	11.4692	EA	1
20675.....	11.4692	EA	1
20676.....	11.9356	EA	1
20677.....	13.2924	EA	1
20678.....	12.3278	EA	1
20679.....	12.3278	EA	1
2068.....	9.0280	EA	5
20680.....	15.2428	EA	1
20681.....	15.2428	EA	1
20682.....	17.2144	EA	1
20683.....	17.2144	EA	1
20684.....	29.3090	EA	1
20685.....	29.3090	EA	1
20686.....	31.1746	EA	1
20687.....	34.1956	EA	1
20688.....	51.9824	EA	1
20689.....	51.9824	EA	1
20690.....	62.1160	EA	1
20691.....	62.1160	EA	1
20692.....	86.8246	EA	1
20693.....	86.8246	EA	1
20694.....	121.1898	EA	1
20695.....	121.1898	EA	1
20696.....	161.9574	EA	1
20697-1.....	161.3532	EA	1
20697.....	204.0899	EA	1
20698.....	8.6920	EA	1
20699-1.....	5.7558	EA	1
20699.....	7.4942	EA	1
206A.....	0.1092	EA	50
207.....	5.8240	EA	5
20700.....	4.7276	EA	1
20701.....	4.7276	EA	1
20702.....	3.8266	EA	1
20703.....	3.7312	EA	1
20704.....	3.8266	EA	1
20705.....	4.0386	EA	1
20706.....	3.8266	EA	1
20707.....	5.0880	EA	1
20708.....	5.7346	EA	1
20709.....	9.7732	EA	1
20710.....	10.3986	EA	1
20711.....	17.3098	EA	1
20712.....	20.7124	EA	1
20713.....	28.9380	EA	1
20714.....	40.4072	EA	1
20715.....	53.8056	EA	1
20718.....	3.5934	EA	1
20719.....	3.7100	EA	1
2072.....	0.9176	EA	100
20720.....	3.8266	EA	1
20721.....	4.0386	EA	1
20722.....	3.8266	EA	1
20723.....	5.0880	EA	1
20724.....	5.3212	EA	1
20725.....	9.7732	EA	1
20726.....	10.3986	EA	1
20727.....	17.3098	EA	1
20728.....	20.7124	EA	1
20729.....	28.9380	EA	1
20730.....	40.4072	EA	1
20731.....	53.8056	EA	1
20733.....	3.5934	EA	1
20734.....	3.7312	EA	1
20735.....	3.8266	EA	1
20736.....	4.0386	EA	1
20737.....	3.8266	EA	1
20738.....	5.0880	EA	1
20739.....	5.7346	EA	1
20740.....	9.7732	EA	1
20741.....	10.3986	EA	1
20742.....	17.3098	EA	1
20743.....	20.7124	EA	1
20744.....	28.9380	EA	1
20745.....	40.4072	EA	1
20746.....	53.8056	EA	1
20747.....	9.4022	EA	1
20748.....	8.6920	EA	1
20749.....	8.0772	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
20750	6.4236	EA	1
20751-1	5.0456	EA	1
20751	5.0880	EA	1
20752	3.8266	EA	1
20753	3.8266	EA	1
20754	3.8266	EA	1
20755	4.4414	EA	1
20756	4.1022	EA	1
20757	5.0880	EA	1
20758	5.7346	EA	1
20759	9.7732	EA	1
20760	11.6176	EA	1
20761	17.3098	EA	1
20762	20.7124	EA	1
20763	28.9380	EA	1
20764	40.4072	EA	1
20765-1	55.4698	EA	1
20765	68.0300	EA	1
20768	3.8266	EA	1
20769	3.8266	EA	1
2077-1	38.5313	EA	1
20770	3.8266	EA	1
20771	4.4414	EA	1
20772	4.1022	EA	1
20773	5.0880	EA	1
20774	5.7346	EA	1
20775	9.7732	EA	1
20776	11.6176	EA	1
20777	17.3098	EA	1
20778	20.7124	EA	1
20779	28.9380	EA	1
20780	47.1516	EA	1
20781-1	55.4698	EA	1
20781	60.8486	EA	1
20783	3.8266	EA	1
20784	3.8266	EA	1
20785	3.8266	EA	1
20786	4.4414	EA	1
20787	4.1022	EA	1
20788	5.0880	EA	1
20789	5.7346	EA	1
2079	56.1085	EA	1
20790	9.7732	EA	1
20791	11.6176	EA	1
20792	17.3098	EA	1
20793	20.7124	EA	1
20794	28.9380	EA	1
20795	40.4072	EA	1
20796-1	55.4698	EA	1
20796	68.0300	EA	1
207A	0.1205	EA	50
208	4.7960	EA	5
2080	2.9786	EA	5
20800	123.7849	EA	1
20801	3.5003	EA	3
20802	3.5003	EA	3
20803	3.1432	EA	3
20804	3.1432	EA	3
20805	3.1432	EA	3
20806	3.1432	EA	3
20807	2.7860	EA	3
208079	1.1125	EA	1
20808	2.7860	EA	3
20809	2.7860	EA	3
2081	3.8902	EA	5
20810	2.7860	EA	3
20811	2.6074	EA	3
20812	2.6074	EA	3
20813	2.5360	EA	3
20814	2.5360	EA	3
20815	2.5360	EA	3
20816	2.5360	EA	3
20817	2.5360	EA	3
20818	2.0716	EA	3
20819	2.0716	EA	3
20820-10-10	28.5404	EA	2
20820-5-5	15.4329	EA	4
20820	2.0716	EA	3
20821	1.9645	EA	3
20822	1.9645	EA	3
20823	1.8573	EA	3
20824	1.8573	EA	3
20825	1.8573	EA	3
20826	1.8573	EA	3
20827	1.8573	EA	3
20828	1.7145	EA	3
20829	1.7145	EA	3
2083-1	6.2646	EA	5
2083-2	7.6638	EA	5
2083	2.7985	EA	5
20830	1.7145	EA	3
20831	1.7145	EA	3
20832	1.7145	EA	3
20833	1.7145	EA	3
20834	1.7145	EA	3
20835	1.7145	EA	3
20836	1.7145	EA	3
20837	1.7145	EA	3
20838	1.7145	EA	3
20839	1.7145	EA	3
20840	1.7145	EA	3
20841	1.7145	EA	3
20842	1.7145	EA	3
20843	1.7145	EA	3
20844	1.7145	EA	3
2084467	3.9452	KT	1
20845	1.7145	EA	3
208454	3.6200	EA	1
20846	1.7145	EA	3
20847	1.7145	EA	3
20848	1.7145	EA	3
20849	1.7145	EA	3
20850	1.7145	EA	3
20851	1.7145	EA	3
20852	1.7145	EA	3
20853	1.7145	EA	3
20854	1.7145	EA	3
20855	1.7145	EA	3
20856	1.7145	EA	3
20857	1.7145	EA	3
20858	1.7145	EA	3
20859	1.7145	EA	3
20860	1.7145	EA	3
2087	6.7204	EA	10
20870-A	3.8218	EA	3
20870-B	3.8218	EA	3
20870-C	3.8218	EA	3
20870-D	3.7504	EA	3
20870-E	3.6432	EA	3
20870-F	4.0361	EA	3
20870-G	4.3933	EA	3
20870-H	4.5362	EA	3
20870-I	4.5362	EA	3
20870-J	4.7505	EA	3
20870-K	5.2505	EA	3
20870-L	5.1076	EA	3
20870-M	5.6077	EA	3
20870-N	5.6077	EA	3
20870-O	5.7863	EA	3
20870-P	6.2506	EA	3
20870-Q	6.3935	EA	3
20870-R	6.7149	EA	3
20870-S	7.1793	EA	3
20870-T	8.0722	EA	3
20870-U	7.9293	EA	3
20870-V	8.2508	EA	3
20870-W	8.5365	EA	3
20870-X	10.2510	EA	3
20870-Y	11.8940	EA	3
20870-Z	12.1440	EA	3
20870	157.4756	EA	1
20876	151.0394	EA	1
20877	59.7158	EA	1
20878	47.4436	EA	1
20879	62.9650	EA	1
20880	83.1000	EA	1
20881-1	5.3851	EA	1
20881	2.6333	EA	1
20882	3.6667	EA	1
208823	3.8736	EA	1
20883	5.7000	EA	1
20884	7.1667	EA	1
20885	10.0833	EA	1
20886	13.1000	EA	1
20887	16.3667	EA	1
2089	3.3411	EA	5
20890	295.5923	EA	1
20892	61.1514	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX	ITEM NO.	NET PRICE	UOM	QUAN BOX	ITEM NO.	NET PRICE	UOM	QUAN BOX
20893.....	70.3310	EA	1	20916-5.....	5.2470	EA	5	2095.....	1.0385	EA	25
20894.....	81.0370	EA	1	20916.....	5.3831	EA	3	20950-1.....	24.9948	EA	1
20895.....	100.9014	EA	1	20917-1.....	6.4236	EA	1	20951-1.....	26.2880	EA	1
20896.....	119.2500	EA	1	20917-5.....	4.2489	EA	5	20951.....	24.9948	EA	1
20897.....	131.4930	EA	1	20917.....	5.5400	EA	3	20952-1.....	28.9168	EA	1
208A.....	0.3104	EA	25	20918-1.....	7.2504	EA	1	20952.....	26.2880	EA	1
209.....	0.5943	EA	25	20918-5.....	4.6498	EA	5	20953-1.....	28.9168	EA	1
20900-1.....	1.5688	EA	1	20918.....	6.2000	EA	3	20953.....	28.9168	EA	1
20900-10.....	1.4310	EA	10	20919-1.....	8.0030	EA	1	20954-1.....	31.5562	EA	1
20900.....	1.4468	EA	3	20919-5.....	5.0509	EA	5	20954.....	28.9168	EA	1
20901-1.....	1.5688	EA	1	20919.....	6.9100	EA	3	20955-1.....	31.5562	EA	1
20901-10.....	1.4310	EA	10	20920-1.....	8.5436	EA	1	20955.....	31.5562	EA	1
20901.....	1.4468	EA	3	20920-5.....	5.5367	EA	5	20956-1.....	34.1956	EA	1
20902-1.....	1.5688	EA	1	20920.....	8.0600	EA	3	20956.....	31.5562	EA	1
20902-10.....	1.4310	EA	10	20921-1.....	9.7626	EA	1	20957-1.....	34.8528	EA	1
20902.....	1.4468	EA	3	20921-5.....	5.9376	EA	5	20957.....	34.8528	EA	1
20903-1.....	1.6748	EA	1	20921.....	8.3900	EA	3	20958.....	34.8528	EA	1
20903-10.....	1.5158	EA	10	20922-1.....	10.1230	EA	1	20959.....	38.7854	EA	1
20903.....	1.5285	EA	3	20922-5.....	6.6547	EA	5	20960-1.....	38.7854	EA	1
20904-1.....	1.7490	EA	1	20922.....	8.6700	EA	3	20960.....	38.7854	EA	1
20904-10.....	1.4420	EA	10	20923-1.....	11.0664	EA	1	20961-1.....	39.4532	EA	1
20904.....	1.4800	EA	3	20923-5.....	7.0558	EA	5	20961.....	38.7854	EA	1
20905-1.....	1.7490	EA	1	20923.....	9.4900	EA	3	20962-1.....	42.0820	EA	1
20905-10.....	1.5688	EA	10	20924-1.....	11.2890	EA	1	20962.....	39.4532	EA	1
20905.....	1.6184	EA	3	20924-5.....	7.4568	EA	5	20963-1.....	45.3892	EA	1
20906-1.....	1.7490	EA	1	20924.....	9.6900	EA	3	20963.....	42.0820	EA	1
20906-10.....	1.5688	EA	10	20925-1.....	12.9638	EA	1	20964.....	45.3892	EA	1
20906.....	1.7002	EA	3	20925-5.....	8.1816	EA	5	20965.....	46.5340	EA	1
20907-1.....	1.8974	EA	1	20925.....	11.1200	EA	3	20966-1.....	49.8518	EA	1
20907-10.....	1.7490	EA	10	20926-1.....	13.5892	EA	1	20966.....	46.5340	EA	1
20907.....	1.7819	EA	3	20926-5.....	8.4977	EA	5	20967-1.....	55.1836	EA	1
20908-1.....	2.0988	EA	1	20926.....	11.6700	EA	3	20967.....	49.8518	EA	1
20908-10.....	1.7490	EA	10	20927-1.....	14.2464	EA	1	20968-1.....	61.4824	EA	1
20908.....	1.9536	EA	3	20927-5.....	9.1455	EA	5	20968.....	55.1836	EA	1
20909-1.....	2.3532	EA	1	20927.....	12.2300	EA	3	20969-1.....	77.0028	EA	1
20909-10.....	2.1624	EA	10	20928-1.....	14.2464	EA	1	20969.....	63.1548	EA	1
20909.....	2.2069	EA	3	20928-5.....	9.2226	EA	5	2097.....	0.9185	EA	10
20910-1.....	2.5864	EA	1	20928.....	12.2300	EA	3	20970-1.....	92.2709	EA	1
20910-10.....	2.3532	EA	10	20929.....	135.9874	EA	1	20970.....	66.4514	EA	1
20910.....	2.3786	EA	3	2093.....	0.7975	EA	10	20971.....	81.9555	EA	1
20911-1.....	2.7348	EA	1	20930.....	71.9528	EA	1	20973.....	15.3822	EA	1
20911-10.....	2.4059	EA	10	20931.....	65.6148	EA	1	20974.....	16.4905	EA	1
20911.....	2.4400	EA	3	20932.....	28.8327	EA	1	20975.....	22.3862	EA	1
20912-1.....	2.9468	EA	1	20933.....	337.1446	EA	1	20976.....	35.0201	EA	1
20912-10.....	2.4830	EA	10	20934.....	115.4813	EA	1	20977.....	38.4334	EA	1
20912.....	2.5200	EA	3	20935.....	131.2916	EA	1	20978.....	52.4414	EA	1
20913-1.....	4.4096	EA	1	20936.....	79.3560	EA	1	20979.....	56.5197	EA	1
20913-10.....	4.0068	EA	10	20937.....	171.0714	EA	1	2098.....	0.4919	EA	10
20913.....	4.1009	EA	3	20941.....	10.4622	EA	1	20982.....	1.8126	EA	3
20914-1.....	4.8442	EA	1	20942.....	10.6530	EA	1	20983.....	2.5440	EA	3
20914-10.....	4.2824	EA	10	20943.....	10.4622	EA	1	20984.....	2.9044	EA	3
20914.....	4.4952	EA	3	20944.....	10.6530	EA	1	20986.....	3.6994	EA	3
20915-1.....	5.5756	EA	1	20945.....	12.0310	EA	1	20987.....	2.4698	EA	3
20915-5.....	5.1092	EA	5	20946.....	12.4232	EA	1	20989.....	1.6218	EA	3
20915.....	5.1872	EA	3	20947.....	13.0910	EA	1	20990.....	341.8200	EA	1
20916-1.....	5.7982	EA	1	20948.....	14.4054	EA	1	20992.....	61.8783	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
20993	66.6242	EA	1
20994	81.0442	EA	1
20995	97.0340	EA	1
20996	110.1398	EA	1
20997	119.5950	EA	1
20999	4.8654	EA	1
21	0.2108	EA	50
210	0.3579	EA	25
2100	16.4910	EA	4
21000-14	6.2222	EA	2
21000-17	6.6674	EA	2
21000-7	6.4554	EA	2
21001	7.4777	EA	5
21002	7.6021	EA	5
21005	7.5129	EA	5
21007	9.3291	EA	5
210150-1	13.6984	EA	1
2102	6.9642	EA	5
2103	6.9642	EA	5
2104-1	18.4864	EA	5
2104	6.4978	EA	5
2105-21/2	0.6210	EA	95
2105-23/4	0.7181	EA	90
2105-3	0.7796	EA	85
2105	20.9880	EA	5
2106	1.5444	EA	5
2107	2.2890	EA	5
2108	2.6089	EA	5
21088-1	0.7314	EA	25
21088-1/2	0.6254	EA	25
21088-1/4	0.5724	EA	25
21088-11/2	0.8374	EA	25
21088-11/4	0.7844	EA	25
21088-13/4	0.8904	EA	25
21088-2	0.9646	EA	25
21088-3/4	0.6784	EA	25
21089-1	1.0176	EA	25
21089-1/2	0.7844	EA	25
21089-1/4	0.6784	EA	25
21089-11/2	1.2296	EA	25
21089-11/4	1.1130	EA	25
21089-13/4	1.3568	EA	25
21089-2	1.4628	EA	25
21089-21/2	1.6960	EA	25
21089-21/4	1.5688	EA	25
21089-23/4	1.8020	EA	25
21089-3	1.9080	EA	25
21089-3/4	0.8904	EA	25
210890	16.4940	EA	10
2109-1	17.7055	EA	1
2109	3.6735	EA	5
21099-1	0.3392	EA	50
21099-13/4	0.4982	EA	50
21099-2	0.4452	EA	50
21099-21/4	0.6254	EA	50
21099-23/4	0.7314	EA	50
21099-3	0.5724	EA	50
21099-4	0.6784	EA	50
21099-5	0.7844	EA	50
21099-6	0.1590	EA	50
21099-7	0.2862	EA	50
21099-8	0.3922	EA	50
21099	0.2332	EA	50
210990	23.3051	EA	10
211	1.8880	EA	5
21100	0.1173	EA	50
21101	0.1708	EA	50
21102	0.2266	EA	50
21103	0.2950	EA	50
21104	0.3387	EA	50
21105	0.4035	EA	50
21106	0.4719	EA	50
21107	0.5099	EA	50
21108	0.5638	EA	50
21109	0.6420	EA	50
2111	6.4978	EA	5
21110	0.6989	EA	50
21111-1	0.8518	EA	25
21111	0.7492	EA	50
21112-1	0.9604	EA	25
21112	0.9038	EA	25
21113	1.0233	EA	25
21114	1.1024	EA	25
21115	1.1978	EA	25
21116	1.1766	EA	25
21117	1.3886	EA	25
21118-05	0.5724	EA	25
21118-10	0.6254	EA	25
21118-15	0.6784	EA	25
21118-20	0.7314	EA	25
21118-25	0.7844	EA	25
21118-30	0.8374	EA	25
21118-35	0.8904	EA	25
21118-40	0.9646	EA	25
21118-45	1.0176	EA	25
21118-5	0.5998	EA	25
21118-50	1.0706	EA	25
21118-55	1.1130	EA	25
21118-60	1.1766	EA	25
2112-1	2.5348	EA	5
2112-2	3.3814	KT	1
2112-3	5.0593	KT	1
2112-4	7.3483	EA	5
2112-5	10.7224	EA	5
2112-6	10.5522	EA	5
2112-7	12.1641	EA	5
2112	6.9642	EA	5
21120-10	1.2932	EA	20
21120-12	1.4628	EA	20
21120-2	0.4452	EA	25
21120-4	0.7844	EA	25
21120-6	0.9646	EA	25
21120-8	1.1130	EA	25
21121-1	0.8374	EA	25
21121-1/2	0.7208	EA	25
21121-1/4	0.6254	EA	25
21121-11/2	1.1024	EA	25
21121-11/4	1.0070	EA	25
21121-13/4	1.1448	EA	25
21121-2	1.2190	EA	25
21121-21/2	1.3780	EA	25
21121-21/4	1.2932	EA	25
21121-23/4	1.4310	EA	25
21121-3	1.5158	EA	25
21121-3/4	0.7950	EA	25
21121-31/2	1.3568	EA	25
21121-31/4	1.2932	EA	25
21121-33/4	1.4098	EA	25
21121-4	1.4628	EA	25
21121-41/2	1.5158	EA	25
21121-5	1.5688	EA	25
21129-1	0.5724	EA	25
2113-1	16.0696	EA	5
2113-2	16.3770	EA	5
2113	6.4978	EA	5
21130-1	0.6784	EA	25
21131-1	0.8904	EA	25
21132-1	1.1130	EA	25
21133-2	1.3568	EA	20
21133-3	1.2296	EA	25
21134-1	1.4628	EA	20
21135	0.7844	EA	25
21136-1	1.0176	EA	25
21137-1	1.5688	EA	10
21138-1	1.6960	EA	10
2114-1	23.5320	EA	4
2114	8.8722	EA	4
21145-2	0.8904	EA	25
21145-3	1.1130	EA	25
21145-4	1.4628	EA	25
21145-6	1.8020	EA	25
21145-8	2.0246	EA	25
21150-10	0.5724	EA	25
21150-15	0.6254	EA	25
21150-20	0.6784	EA	25
21150-25	0.7314	EA	25
21150-30	0.7844	EA	25
21150-35	0.8374	EA	25
21150-40	0.8904	EA	25
21150-45	0.9646	EA	25
21150-50	1.0176	EA	25
21150-55	1.0706	EA	25
21150-60	1.1130	EA	25
2116	32.8195	EA	2
21167	0.2862	EA	25
21168	0.3732	EA	25
21169-1	0.6784	EA	25
21169	0.4859	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
2117	3.4238	EA	5
21170-1	0.3392	EA	25
21171-1	0.4452	EA	25
21172-1	0.5724	EA	25
21174-1	0.7844	EA	25
21175-025	0.2051	EA	25
21175-05	0.6678	EA	25
21175-075	0.6022	EA	25
21175-10	0.6784	EA	25
21175-125	0.6098	EA	25
21175-15	0.7208	EA	25
21175-175	0.6415	EA	25
21175-20	0.7314	EA	25
21175-225	0.6745	EA	25
21175-25	0.7950	EA	25
21175-275	0.6948	EA	25
21175-30	0.8056	EA	25
21175-325	0.7070	EA	25
21175-35	0.8374	EA	25
21175-375	0.7464	EA	25
21175-40	0.8798	EA	25
21175-45	0.9010	EA	25
21175-50	0.8798	EA	25
21175-55	1.0176	EA	25
21175-60	1.0388	EA	25
21175-65	2.8514	EA	25
21175-70	0.9726	EA	25
21175-75	3.0104	EA	25
21175-80	1.0872	EA	25
21176-10	1.2289	EA	25
21176-15	1.3576	EA	25
21176-20	1.3885	EA	25
21176-25	1.5494	EA	25
21176-30	1.6402	EA	25
21176-35	1.6888	EA	25
21176-40	1.8843	EA	25
21176-45	2.0969	EA	25
21176-50	2.1272	EA	25
21176-55	2.3430	EA	25
21177-05	1.3879	EA	25
21177-10	1.3923	EA	25
21177-15	1.4661	EA	25
21177-20	1.5771	EA	25
21177-25	1.7891	EA	25
21177-30	1.9556	EA	25
21177-35	2.0118	EA	25
21177-40	2.2711	EA	25
21177-45	2.3341	EA	25
21177-50	2.7126	EA	25
21177-55	3.2173	EA	25
21177-60	3.2804	EA	25
21178-1	1.2932	EA	25
21178-1/2	1.0176	EA	25
21178-1/4	0.9540	EA	25
21178-11/2	1.6218	EA	25
21178-11/4	1.4628	EA	25
21178-13/4	1.6642	EA	25
21178-2	1.7172	EA	25
21178-21/2	1.9928	EA	25
21178-21/4	1.9080	EA	25
21178-23/4	2.1094	EA	25
21178-3	2.1942	EA	25
21178-3/4	1.1554	EA	25
21179-1	0.8248	EA	25
21179-1/2	0.6849	EA	25
21179-1/4	0.6187	EA	25
21179-11/2	1.0327	EA	25
21179-11/4	0.9853	EA	25
21179-13/4	1.1131	EA	25
21179-2	1.2104	EA	25
21179-21/2	1.3544	EA	25
21179-21/4	1.2812	EA	25
21179-23/4	1.4359	EA	25
21179-3	1.4971	EA	25
21179-3/4	0.7436	EA	25
2118	3.4238	EA	5
21186-35	1.5682	EA	25
21188-1	0.4982	EA	50
21188-1/2	0.3392	EA	50
21188-1/4	0.2862	EA	50
21188-11/2	0.6784	EA	50
21188-11/4	0.6254	EA	50
21188-13/4	0.7314	EA	50
21188-2	0.7844	EA	50
21188-21/2	0.8904	EA	50
21188-21/4	0.8374	EA	50
21188-3	1.0706	EA	50
21188-3/4	0.3922	EA	50
21189-15	0.9432	EA	25
21189-20	1.0037	EA	25
21189-30	1.1735	EA	25
21189-35	1.2548	EA	25
21189-40	1.2962	EA	25
21189-45	2.5477	EA	25
21189-50	1.3990	EA	25
21189-55	6.1798	EA	25
21189-60	1.5316	EA	25
21189-65	6.6674	EA	25
21189-70	6.9006	EA	25
21189-75	7.1338	EA	25
21189-80	7.3246	EA	25
2119	3.4238	EA	5
21199-2	0.5305	ST	30
212	1.4360	EA	5
2120	0.4775	EA	10
21200	28.3868	EA	1
21208	11.0732	EA	1
21209	22.4932	EA	1
2121-411-	0.0798	EA	500
2121-411-5000	0.0642	EA	5000
2121	0.2792	EA	10
2122	0.3400	EA	10
2123	0.9340	EA	10
21231	47.9617	EA	5
21232	49.9729	EA	5
21233	52.6545	EA	5
21234	53.9115	EA	5
21235	55.5037	EA	5
2124	0.4598	EA	10
2125	6.0821	EA	6
21255	0.2691	EA	50
21256	0.1965	EA	50
21257	0.2941	EA	50
2126	6.4872	EA	6
21260	171.0748	EA	1
21261	284.5665	EA	1
21262	40.2798	EA	1
21263	53.4876	EA	1
21264	35.2885	EA	1
21265	35.2885	EA	1
21266	28.9062	EA	1
21267	48.3996	EA	1
21268	0.4701	EA	50
21269	49.2642	EA	1
21270	56.2521	EA	1
21271	61.4482	EA	1
21272	31.2954	EA	1
21273	39.2815	EA	1
21274	10.7072	EA	1
21275	10.7072	EA	1
21276	28.3444	EA	1
21277	14.3758	EA	1
21278	37.5664	EA	1
21279	39.8560	EA	1
2128	0.8885	EA	10
21280	66.4645	EA	1
21281	3.4039	EA	25
21283	3.4039	EA	25
21284	3.7760	EA	25
2129-1	7.5842	EA	2
2129	8.5648	EA	2
21290	3.4039	EA	25
21291	2.9212	EA	25
21292	3.3235	EA	25
213	2.2160	EA	5
21300	18.2496	GL	1
21301	3.6069	EA	1
21302	12.3783	EA	1
21303	18.2496	EA	1
21304	12.3783	EA	1
21305	3.6069	EA	1
21306	12.5366	EA	1
21307	3.4881	EA	1
21308	13.1151	EA	1
21309	3.2979	EA	1
21318	11.4037	EA	1
21319	3.2029	EA	1
21320	13.0676	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
21321	3.6069	EA	1
21322	23.0821	EA	1
21328	5.6904	EA	12
21331	6.8076	EA	12
21339	6.5369	EA	1
21341	20.9594	EA	1
21342	28.4174	EA	1
21343	20.4310	EA	1
21344	20.7321	EA	4
21345	3.6351	EA	1
21346	33.6766	EA	1
21347	11.2953	EA	4
21348	16.3822	EA	4
21349	19.5912	EA	4
21350	21.5166	EA	4
21351	0.4165	EA	50
21352	0.2159	EA	50
21353	19.0920	EA	4
21354	0.1532	EA	50
21355	0.1959	EA	50
21356	0.2278	EA	25
21357	0.2514	EA	25
21358	0.3447	EA	25
2136	15.9184	EA	10
21366	26.1321	EA	1
21367	22.5908	EA	2
21368	27.5826	EA	2
21369	32.7645	EA	2
21370	39.1826	EA	2
21371	43.0096	EA	2
21372	39.3252	EA	2
21373	41.4645	EA	2
21375	65.9146	EA	1
21376	48.9402	EA	1
21377	56.6412	EA	1
21378-1	17.3734	EA	1
21378-2	15.3488	EA	1
21378	21.4332	EA	1
21379	17.7629	EA	1
21380-1	20.0069	EA	1
21380	26.8471	EA	1
21382	0.2792	EA	25
21384-1/16	0.2152	EA	50
21384-1/8	0.2615	EA	50
21390	0.2004	EA	50
21391	0.2283	EA	50
21392	0.2798	EA	25
21394	0.1763	EA	10
21395	0.3120	EA	10
21396	0.4251	EA	10
21398	5.1059	EA	10
21399-10	2.0184	EA	10
214	3.0760	EA	5
21401	17.3938	EA	1
21404-1	24.2404	EA	1
21404-2	4.4066	EA	6
21405	3.7206	EA	6
21407	23.0959	EA	1
21408	3.0246	EA	12
21409-10	4.7594	EA	10
21412-1	1.9080	EA	10
21414	34.8700	EA	1
21415	8.3456	EA	1
21416	6.8052	EA	1
21417	13.1546	EA	12
2142	2.3002	EA	10
21420	6.3388	EA	10
21421-1	5.8171	EA	1
21421	4.1340	EA	1
21422	4.7700	EA	1
21423	4.3639	EA	1
21424	5.7240	EA	10
21425-1	13.1546	EA	1
21425	13.1546	EA	1
21426	13.1546	EA	1
21427	11.7619	EA	1
21428	45.2385	EA	1
21429	9.0206	EA	1
2143	3.0735	EA	6
21430-2	38.8295	EA	1
21431	3.4899	EA	12
21432-2	6.8052	EA	1
21433-1	6.8900	EA	1
21434	10.2060	EA	1
21435	4.4626	EA	1
21436	4.3990	EA	1
21437	6.8052	EA	1
21438	8.4376	EA	1
21444	4.0004	EA	10
2145	11.2443	EA	1
21450	24.0196	EA	1
21451	11.5448	EA	1
21452	19.2857	EA	1
21453	19.4063	EA	1
21454	16.7625	EA	1
21455	13.4415	EA	1
21456	7.2041	EA	1
21457	30.2339	EA	1
21460-7	9.7308	EA	1
21460	1.6657	EA	5
21461	0.7764	EA	12
21463-1	1.0327	EA	5
21463-2	0.6572	EA	5
21463-3	3.2314	RL	5
21463	0.5107	EA	5
21464-1	1.0070	EA	5
21464-2	11.3686	RL	1
21464-3	14.0897	RL	1
21465-1	12.2218	RL	1
21465-S	0.4236	EA	25
21465	3.0634	EA	5
21466	9.8286	RL	1
21467	5.0308	RL	1
21468	5.1877	RL	1
21469-1	57.8972	RL	1
21469-2	9.0439	EA	1
21469-4	39.2923	EA	1
21469-5	7.6601	RL	1
21469-6	15.0628	RL	1
2147	6.1904	EA	5
21470-1	12.6842	EA	2
21470-3	19.0658	EA	1
21470-4	14.5612	EA	1
21470	9.7503	EA	1
21471	7.8970	RL	1
21472-1	5.8032	EA	1
21472	4.0111	EA	1
21473-1	5.9794	EA	1
21473	2.5546	EA	1
21474-1	9.5089	RL	1
21474-2	13.9331	RL	1
21474-3	17.9070	EA	1
21475-1	2.2447	EA	1
21475	2.1325	EA	2
21476-1	39.9215	RL	1
21477	10.6000	EA	1
21478	8.4653	RL	1
21479	11.9414	EA	1
2148	7.2163	EA	5
21480	39.3366	EA	1
21481	10.7618	EA	1
21482-BL	3.6530	EA	1
21482-BR	4.7323	EA	1
21482-GN	3.6530	EA	1
21482-GR	3.6530	EA	1
21482-OR	5.1219	EA	1
21482-RD	3.6530	EA	1
21482-VT	4.7323	EA	1
21482-WH	3.6530	EA	1
21482-YL	3.6530	EA	1
21485	6.6568	EA	1
21486	7.5366	EA	1
21487-24	6.9941	EA	24
21487	6.6681	EA	1
2149	24.9429	EA	1
21490	9.9666	EA	1
21492	5.7281	EA	1
21493	8.0984	EA	1
21494-1	58.1768	BX	1
21494	36.4237	BX	1
21495-1	53.0636	BX	1
21495	37.6193	BX	1
21496-1	71.5149	BX	1
21496	69.1032	BX	1
21497-1	125.6945	BX	1
21497	82.6532	BX	1
215	1.5022	EA	25
2150	7.6638	EA	3

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
21505	47.3846	EA	1
21506	1.1357	EA	25
21507	1.1357	EA	25
21508	1.1357	EA	25
2151-B	21.7046	EA	2
2151-S	21.6318	EA	2
21510	4.4626	EA	1
21511	8.4376	EA	1
21512	4.6640	EA	1
21513	8.8510	EA	1
2152	7.5076	EA	4
21520	15.4866	EA	1
21521	4.5223	EA	1
21522	3.1800	EA	2
21523	3.9750	EA	1
21524-1/4	9.4336	EA	1
21524-3/8	5.0456	EA	1
2153-1	0.8507	EA	25
2153-2	0.8507	EA	25
2153-3	0.8775	EA	25
2153	2.7454	EA	10
21530	7.3408	EA	1
21531	7.3408	EA	1
21532	7.3408	EA	1
21533	7.3408	EA	1
21535	5.0217	EA	1
21536	8.8195	EA	1
21537	28.8956	EA	1
21538	25.3431	EA	1
2154	4.5050	EA	10
21541	2.4572	EA	6
21547	19.2070	EA	1
21548	5.7664	EA	2
21549	9.4497	EA	2
2155-E	9.7308	EA	4
2155-H	22.6272	EA	1
2155-S	9.7308	EA	4
2155	14.5750	EA	4
21551	27.5500	EA	1
21554-6	0.8615	EA	24
21554	17.8517	EA	1
21555	2.6385	EA	1
21556	5.8713	EA	1
2156	0.5245	EA	20
21561-1	10.8477	EA	1
21561	27.2632	EA	1
21562	22.1752	LB	1
21563N	53.6500	CS	1
21564	18.5648	EA	2
21565-3	14.3100	EA	1
21565N	26.9082	CS	1
21566	2.7361	EA	3
21567	2.7361	EA	3
21568-1	88.5524	EA	1
21568	18.2956	EA	1
2156821	2.7679	EA	5
2156886	2.2094	EA	5
21569	47.9511	EA	1
2157	0.4111	EA	20
2157125	0.1444	EA	25
21572	14.8294	EA	1
21574-1	12.5453	EA	1
21574-2	13.3868	EA	1
21574	23.6185	EA	1
21576	13.9926	EA	1
21577	14.6321	EA	1
21578	14.3628	EA	1
2158-E	23.6457	EA	1
2158-S	23.4512	EA	1
21580	0.4210	EA	25
21581-1	8.7885	EA	1
21581	8.7885	EA	1
21582	4.3500	EA	2
21583-1	5.6002	EA	2
21583	3.7206	EA	2
21584	6.4978	EA	3
21585-3	7.8443	EA	1
21585	6.6462	EA	1
21586	9.1155	EA	1
21587-1	7.4942	EA	1
21587	6.4236	EA	1
21588-1	10.7590	EA	1
21588-2	13.3454	EA	1
21588	8.7238	EA	1
21589-1	6.8084	EA	1
21589	6.5487	EA	1
2159	3.9323	EA	6
21590-2	22.5022	EA	1
21590-3	93.7888	EA	1
21590	25.9929	EA	1
21591-1	17.8341	EA	1
21591	7.5896	EA	1
21592-2	46.6089	EA	1
21592-5	51.7295	EA	1
21592	5.3848	EA	1
21593-1	32.9852	EA	1
21593	56.0472	EA	1
21594-1	13.6945	ST	1
21594	32.1984	EA	1
21595	15.8650	EA	1
21596-4	21.0245	EA	1
21597	4.8760	EA	6
21599	5.2364	EA	6
216-063	3.3849	EA	5
216-100	1.7220	EA	5
216-125	1.7220	EA	5
216-250	1.7220	EA	5
216-315	1.7220	EA	5
216-500	1.7220	EA	5
216-630	1.7220	EA	5
216-800	1.7220	EA	5
2160	4.3616	EA	6
21600	10.2991	EA	1
216001	1.7220	EA	5
216002	1.7220	EA	5
216004	1.7220	EA	5
216005	1.7220	EA	5
216008	1.8338	EA	5
21601-1	39.6758	EA	1
21601-2	22.3978	EA	1
21601-6	1.7220	EA	5
21601	36.1884	EA	1
216010	1.8338	EA	5
21602-5	1.7220	EA	5
21602	16.1438	EA	1
21603	27.5405	EA	1
21604-1	35.0966	EA	1
21604	13.3348	EA	1
21605	13.8754	EA	1
21606-1	15.2322	EA	1
21606-3	1.7220	EA	5
21607-1	18.5076	EA	1
21608-1	18.3962	EA	2
21608-2	15.9814	EA	2
21608-3	14.3237	EA	2
21608	21.1365	EA	2
21609	14.8605	EA	1
2161	7.9575	EA	1
21610	9.0206	EA	1
21611-1	5.5861	EA	1
21611-3	9.2705	EA	1
21611	4.0885	EA	1
21612-1	4.4234	EA	1
21612-2	4.1285	EA	1
21612	5.2712	EA	1
21614	4.2824	EA	2
21615-1	1.1454	EA	6
21615-2	1.5270	EA	6
21615-3	2.1504	EA	5
21615-4	2.4582	EA	5
21615-5	9.8198	EA	1
21615	5.8273	EA	1
21616-1	3.3175	EA	2
21616	4.9763	EA	2
21617-1	0.5936	EA	10
21617-2	9.9004	EA	2
21617	12.7909	EA	2
21618-1	60.8864	EA	1
21618	25.9488	EA	1
21619	30.8066	EA	1
2162	6.2596	EA	1
21621	2.1836	EA	1
21623	12.3808	EA	1
21624	18.2108	EA	1
21626-1	14.7130	EA	1
21626-2	19.6173	EA	1
21626-3	23.8581	EA	1
21626	12.8089	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
21627-1	14.7130	EA	1
21627-2	19.6173	EA	1
21627-3	23.8581	EA	1
21627	12.8089	EA	1
21628-1	14.7130	EA	1
21628-2	19.6173	EA	1
21628-3	23.1657	EA	1
21628	12.8089	EA	1
21629	21.8421	EA	1
2163-15	1.7220	EA	5
2163	6.2328	EA	1
21630	32.0968	EA	1
2164	6.2708	EA	1
21646-1	14.3206	EA	1
2165	10.3768	EA	1
21651	1.5958	EA	12
21652	1.9980	EA	6
21653	3.3675	EA	3
21654	2.9156	EA	12
21655	2.5071	EA	12
21656	2.4757	EA	12
21657	1.8472	EA	12
21658	2.2243	EA	12
21659	1.5958	EA	12
21660	1.6586	EA	12
21661	2.1614	EA	12
21662	1.5958	EA	12
21663	1.5958	EA	12
21664	1.0930	EA	12
21665	0.9044	EA	12
21666	0.9044	EA	12
21667	1.0301	EA	12
21668	1.0301	EA	12
21670	1.1734	EA	10
21675-1	3.1041	EA	12
21675-16	8.0812	EA	3
21675-2	1.9100	EA	12
21675-7	3.7955	EA	12
21675-9	6.3975	EA	6
21676	0.7649	EA	10
21677	1.3714	EA	10
21678	2.2167	EA	15
21679	1.5958	EA	12
2168	1.1872	EA	20
21680-1	0.9044	EA	12
21680	1.9729	EA	12
21681	2.4757	EA	12
21682	0.9044	EA	12
21684	1.4072	EA	12
21685-1	1.2815	EA	12
21685	1.0930	EA	12
21688	1.2815	EA	12
21689	3.1041	EA	12
2169	1.1872	EA	20
21690-1	2.7271	EA	12
21690	2.9156	EA	12
21691	2.1614	EA	12
21692	1.2815	EA	12
21693	1.3444	EA	12
21694	4.2983	EA	12
21695-1	7.0756	EA	3
21695	5.1405	EA	6
21696-1	9.5399	EA	6
21696	8.6468	EA	3
21697	8.5721	EA	12
21698	3.6069	EA	12
21699-1	3.0413	EA	12
21699	2.4757	EA	12
217	1.7138	EA	10
2170	4.6110	EA	1
21700	13.3942	EA	1
21701	13.5362	EA	1
21702	19.1359	EA	1
21703	33.6550	EA	1
21704-1	14.5644	EA	1
21704	14.5644	EA	1
21705-1	18.5818	EA	1
21705	26.5424	EA	1
21706	7.0453	EA	1
2171	11.9038	EA	2
21710	53.4571	EA	1
21711	103.4560	EA	1
21712	149.2586	EA	1
21713	4.1381	EA	1
21714	12.7624	EA	1
21715	8.1392	EA	1
21716-1	0.2319	EA	100
21716-2	0.3703	EA	100
21716-3	0.7664	EA	100
21718	2.9786	EA	1
21719-1	0.0808	EA	100
2172	7.1126	EA	1
21720	0.1609	EA	100
21721	3.6751	EA	1
21722	5.2957	EA	1
21726-11	6.9006	EA	3
21726-16	6.9006	EA	3
21726-19	6.9006	EA	5
2173	10.6424	EA	2
21732	18.9304	EA	1
21738	35.4320	EA	1
21741	5.5059	EA	2
21742	5.6845	EA	2
21743-2	8.4294	EA	12
21743-3	8.5365	EA	12
21744	12.4338	EA	1
21745	5.4000	EA	2
21746	22.4898	EA	1
21749	15.7698	EA	1
2175	9.6764	EA	1
2176	7.5317	EA	1
2177	35.6910	EA	1
21770	13.3348	EA	10
21771	15.6348	EA	10
21772-1	20.9856	EA	10
21772	14.6916	EA	10
21773	19.5358	EA	10
21778	1.5452	PR	5
21779	2.8212	PR	2
21780	2.4489	PR	2
21781	0.6930	EA	5
21781S	0.6669	PR	6
21782	0.7024	PR	12
21783-X	3.9561	PR	2
21783	3.7936	PR	2
21784	4.7064	PR	12
21785	7.5988	PR	1
21786	0.9968	PR	12
21787	0.9653	PR	12
21788	23.6168	EA	10
21790	4.1067	PR	2
21793	71.6416	ST	1
21794	84.1874	EA	1
21795	31.6834	EA	5
21798-1	7.4927	PR	1
21798-24	166.2293	CS	1
21799-1	8.0183	PR	1
21799-24	166.2293	CS	1
218	2.0503	EA	10
21800-1	7.4927	PR	1
21800-24	166.2293	CS	1
21801	5.7183	EA	1
21802	6.6147	EA	1
21803	7.8133	EA	1
21805	8.7680	EA	1
21808	8.3868	EA	1
21809	9.4618	EA	1
2181	1.7124	EA	5
21810	8.9432	EA	1
21814	2.3101	EA	1
21815	2.9998	EA	1
21817	7.4183	EA	1
21825	6.7932	EA	1
21826	7.1298	EA	1
21827-1	9.5751	EA	1
21827	8.9500	EA	1
2183	1.4987	EA	5
21835	6.5508	EA	1
2184	1.8782	EA	5
21841	2.9879	EA	1
21842	6.6147	EA	1
21843	3.8156	EA	1
21844	4.0386	EA	1
21845-R	76.7758	RL	1
21845	65.2960	RL	1
21846-1	105.8304	RL	1
21846-R	99.1100	RL	1
21846	83.3160	RL	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
21847-R.....	52.3534	RL	1
21847-X.....	60.6755	RL	1
21847-XR.....	60.6755	RL	1
21847.....	27.0194	RL	1
21848-2.....	42.7922	RL	1
21848-2X.....	68.7945	RL	1
21848-3.....	58.8406	RL	1
21848-4.....	54.0494	RL	1
21848-XR.....	66.7819	RL	1
21848.....	42.7922	RL	1
21849-B.....	16.6314	RL	1
21849.....	16.6314	RL	1
2185.....	2.7925	EA	5
21851.....	54.5954	RL	1
21853.....	23.1272	RL	1
21856.....	65.4185	RL	1
2186-1.....	6.0632	EA	2
2186-10.....	6.7554	EA	2
2186-2.....	6.0950	EA	2
2186-3.....	5.2323	EA	2
2186-4.....	9.7285	EA	2
2186-5.....	6.2956	EA	2
2186-6.....	4.3757	EA	2
2186-7.....	5.2092	EA	2
2186-8.....	5.0255	EA	2
2186-9.....	5.9254	EA	2
21862.....	8.1938	EA	1
21863.....	9.3704	EA	1
2187-1.....	6.9158	EA	2
2187-2.....	11.4904	EA	2
2187-3.....	13.1546	EA	2
2187-4.....	7.0930	EA	2
2188-12-12.....	9.7488	EA	2
2188-16-16.....	54.0505	EA	1
2188-20-20.....	76.6009	EA	1
2188-24-24.....	121.3493	EA	1
2188-32-32.....	211.1986	EA	1
2188.....	4.6216	EA	5
2189.....	4.6216	EA	5
21890.....	28.1408	EA	1
219.....	1.3960	EA	5
2190.....	4.6216	EA	5
21904.....	6.0088	EA	6
2191-20.....	4.8598	EA	5
2191-25.....	5.9680	EA	5
21916.....	1.3909	EA	12
21919.....	2.1966	EA	12
2192.....	4.6216	EA	5
21920.....	52.6635	EA	1
21922.....	2.8697	EA	6
21923.....	1.6863	EA	12
21924.....	20.2957	EA	1
21928.....	20.0168	EA	12
21929.....	6.4291	EA	1
2193-2.....	3.8478	EA	6
2193-3.....	3.8478	EA	6
2193-4.....	3.8478	EA	6
2193.....	3.8478	EA	6
21933.....	3.4386	EA	4
21936.....	27.5950	EA	12
21938.....	8.4787	EA	6
21939.....	3.9163	EA	6
21945.....	21.3508	EA	6
21949.....	13.6210	CN	1
2195.....	3.7606	EA	4
21952.....	2.9579	EA	12
21955-2.....	9.7414	EA	1
21958.....	9.4340	EA	6
2196.....	3.1800	EA	4
21961.....	9.1172	EA	1
21962.....	17.0766	EA	1
21963.....	69.8646	EA	1
21966.....	33.3362	EA	1
21967.....	18.0428	EA	1
2197-20.....	8.8641	EA	5
21973.....	5.0339	EA	1
21974.....	6.1692	EA	1
21975.....	8.9817	EA	1
21976.....	5.3129	EA	12
21977.....	6.8370	EA	1
21978.....	8.4376	EA	6
21979.....	8.5860	EA	1
2198-1.....	3.1800	EA	4
2198.....	3.1800	EA	4
21980.....	3.2748	EA	12
21987.....	11.3526	EA	1
21988.....	34.3440	BX	1
21989.....	8.5241	EA	1
2199-10.....	3.9008	EA	5
2199-15.....	3.8478	EA	5
2199-20.....	3.8478	EA	5
2199-25.....	3.8478	EA	5
2199-30.....	3.8478	EA	5
21990.....	5.3742	EA	1
21991.....	4.8866	BX	1
21992.....	3.1482	EA	1
21997.....	7.7771	EA	1
220.....	0.9892	EA	10
2200-1.....	41.1758	EA	1
2200.....	27.6236	EA	1
22001.....	3.4450	EA	5
22002.....	12.0204	EA	1
22004.....	18.9740	EA	1
22006.....	18.9740	EA	1
22007.....	5.2894	EA	5
22009.....	32.4839	EA	1
2201.....	25.0758	EA	1
22011.....	13.0486	EA	1
22012.....	7.2571	EA	1
22013.....	15.3170	EA	1
22014.....	6.2486	EA	10
22015.....	43.5554	EA	1
22016-1.....	3.2966	EA	1
22016.....	3.2966	EA	1
22017.....	4.7170	EA	1
22018.....	4.7170	EA	1
22019.....	2.2873	EA	1
22020.....	3.5277	EA	1
22022.....	5.4272	EA	1
22023.....	15.1686	EA	1
22024.....	7.3988	EA	1
22025.....	40.7994	EA	1
22026.....	12.6455	EA	1
22027.....	9.8651	EA	1
22029.....	39.1144	EA	1
2203.....	18.8955	EA	1
22030.....	15.0975	EA	1
22031.....	23.2078	EA	1
22033.....	15.3201	EA	1
22034.....	39.9586	EA	1
22035.....	7.5392	EA	1
22036.....	2.6529	EA	1
22037.....	2.9620	EA	1
22040.....	49.5126	EA	1
220400.....	3.1768	EA	25
2205.....	8.2323	EA	1
220520.....	5.6420	EA	10
2206.....	9.6301	EA	1
22060.....	0.9869	EA	10
22061.....	0.9869	EA	10
22062.....	0.9869	EA	10
220620.....	7.1923	EA	10
22063.....	0.9869	EA	10
2207.....	11.3411	EA	1
22070-1.....	19.4934	EA	1
22070-2.....	19.4934	EA	1
22070-3.....	19.4934	EA	1
22070-4.....	19.4934	EA	1
22070.....	77.6238	EA	1
22079.....	33.4536	EA	1
22080.....	5.6180	EA	5
22081.....	6.7522	EA	5
22082.....	7.8758	EA	5
220820.....	4.0409	EA	25
22083.....	8.9994	EA	5
22084.....	10.1230	EA	5
22085.....	53.4346	EA	1
22086.....	8.2150	EA	3
22087.....	9.6566	EA	3
22088.....	10.6848	EA	3
22089.....	11.5222	EA	3
2209.....	3.3178	EA	1
22090.....	13.6952	EA	3
22097.....	1.6774	EA	12
22099.....	1.6774	EA	12
221.....	1.4360	EA	5
221068.....	0.3534	EA	500
22113.....	5.1846	EA	6

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
22116	6.0487	EA	6
22118	7.1161	EA	6
22119	7.7769	EA	6
22120	8.4376	EA	6
22122	9.7592	EA	6
22123	10.5216	EA	6
22124	11.2332	EA	6
2213-15	3.9008	EA	5
2213-20	3.9008	EA	5
2213-25	3.9008	EA	5
2213-30	3.9008	EA	5
22139	1.1540	EA	5
2214-15	8.4896	EA	5
2214-20	8.5870	EA	5
2214-25	8.5870	EA	5
2214-30	8.5870	EA	5
2214-40	8.5870	EA	5
2214-50	10.1897	EA	5
2215	2.9468	EA	5
22150	3.4026	EA	1
22151	3.6570	EA	1
22152	2.3387	EA	1
22153	2.5122	EA	1
22154	1.7004	EA	1
22155	2.0244	EA	1
22156	2.0147	EA	1
22157	1.4816	EA	1
22158	1.2719	EA	1
22159	1.5959	EA	1
2216	2.9468	EA	5
22160	2.2673	EA	1
22161	1.4816	EA	1
22162	2.3387	EA	1
22163	1.5530	EA	1
22165	11.9105	EA	1
22166	14.2926	EA	1
22167	11.9105	EA	1
22168	14.2926	EA	1
22169	11.9105	EA	1
2217	2.9468	EA	5
22170	11.9105	EA	1
22171	11.9105	EA	1
22172	14.2926	EA	1
22173	22.4107	EA	1
22174	22.4107	EA	1
2218	2.9468	EA	5
22187	250.8384	EA	1
22188-1	48.6434	EA	1
22188	38.2978	EA	1
22189-1	82.5846	EA	1
22189-2	112.1056	EA	1
22189-3	33.5764	EA	1
22189-4	65.0946	EA	1
22189-5	28.5385	EA	1
22189-6	88.2630	EA	1
22189-7	66.3454	EA	1
22189	57.8442	EA	1
2219-1	2.9468	EA	5
2219-2	2.9468	EA	5
2219	2.9468	EA	5
22190-2	1.4272	EA	1
22190	46.4267	EA	1
22191-1	11.1463	EA	1
22191-2	11.1537	EA	1
22191	46.4267	EA	1
22192-1	18.0209	EA	1
22192-2	3.0262	EA	1
22192	83.2251	EA	1
22193-2	11.7223	EA	1
22193	98.2292	EA	1
22194	11.7223	EA	1
22195	13.2095	EA	1
22196-1	13.2095	EA	1
22196	13.2095	EA	1
22197-1	13.7781	EA	1
22197	13.7781	EA	1
22198-1	15.5277	EA	1
22198	15.5277	EA	1
22199	15.5277	EA	1
221A	0.1050	EA	50
222	1.8040	EA	5
22200-1	16.6649	EA	1
22200-2	16.6649	EA	1
22200-3	16.6649	EA	1
22200	11.7697	EA	1
22201-1	17.7584	EA	1
22201	17.7584	EA	1
22202-1	20.3828	EA	1
22202	20.3828	EA	1
22203-1	30.4430	EA	1
22203	30.4430	EA	1
22204-1	30.4430	EA	1
22204	30.4430	EA	1
22205-1	39.1133	EA	1
22205	39.1133	EA	1
22206-1	39.1473	EA	1
22206	39.1473	EA	1
22207	43.5213	EA	1
22208-1	52.6630	EA	1
2221	29.8214	EA	1
22216	12.1582	EA	1
22217	12.2960	EA	1
22218	13.7588	EA	1
22219	13.8648	EA	1
2222-L	14.5508	EA	10
2222-R	14.5508	EA	10
22220	14.2358	EA	1
22221-1	16.0590	EA	1
22221-2	16.1756	EA	1
22221	14.5962	EA	1
22222	17.3946	EA	1
22223	17.3946	EA	1
22224	21.0516	EA	1
22225-1	18.3698	EA	1
22225-2	18.9740	EA	1
22225	21.1576	EA	1
22226	28.1006	EA	1
22227-1	27.4747	EA	1
22227-2	27.3847	EA	1
22227	28.9486	EA	1
22228	29.8722	EA	1
22229-1	29.8722	EA	1
22229	29.8722	EA	1
22230	1.8020	EA	5
22231	2.0882	EA	5
22232	2.3850	EA	5
22233	2.9892	EA	5
22234-6	6.0950	EA	1
22234-7	16.9209	EA	1
22234-8	22.3700	EA	1
22234-9	29.9222	EA	1
22234	3.5828	EA	5
22235-1	19.1966	EA	1
22235	17.4286	EA	1
22236	40.7292	EA	1
22237	49.0000	EA	1
22238-1	94.1143	EA	1
22238	59.7143	EA	1
2224	10.0276	EA	10
22240	19.0376	EA	1
22245	5.2989	EA	6
22246-1	5.2989	EA	6
22247-1	5.2989	EA	6
22249	16.6110	EA	6
22250-1	2.0723	EA	12
22250	1.6934	EA	12
22251	1.5002	EA	12
22252	1.5002	EA	12
22255-1	7.4380	EA	6
22255-2	4.0949	EA	6
22255	4.1348	EA	6
22259	3.0781	EA	12
22260	2.5405	EA	12
22266	9.1845	EA	6
22269-1	5.9042	EA	1
22269-2	6.2752	EA	1
22269-3	6.6462	EA	1
22269-4	7.0172	EA	1
22269-5	11.0770	EA	1
22269-6	16.2898	EA	1
22269-7	21.8025	EA	1
22269-8	29.6362	EA	1
22269	37.6300	EA	1
22271	1.1660	EA	24
22272	1.1660	EA	24
22273	3.9856	EA	24
22275	404.1547	EA	1
22276	438.5042	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
2228-1.....	5.1728	EA	10
2228-2.....	5.4272	EA	10
2228-3.....	5.7452	EA	10
2228-5.....	6.2116	EA	10
2228-6.....	6.9748	EA	10
22280.....	59.6144	EA	1
22281.....	19.8962	EA	1
22282.....	58.3514	EA	1
22283.....	19.6289	EA	1
22284.....	69.7230	EA	1
22285.....	23.5400	EA	1
22287.....	10.0806	EA	1
22288.....	10.0806	EA	1
22289.....	10.0806	EA	1
22290.....	6.7946	EA	1
22291.....	6.9112	EA	1
22297.....	22.9596	EA	1
22298.....	25.2704	EA	1
222A.....	0.1320	EA	50
223.....	2.0920	EA	5
22300.....	4.7118	EA	1
2231.....	18.8002	EA	10
22312.....	14.7013	EA	1
22313.....	12.0197	EA	1
22314.....	7.3673	EA	1
22318-1.....	2.5546	EA	1
22318.....	2.5546	EA	1
22319.....	40.1316	EA	1
22320.....	19.4510	EA	1
22321-1.....	2.6076	EA	1
22321.....	2.6182	EA	1
22322-1.....	2.7348	EA	1
22322.....	2.6182	EA	1
22323-1.....	3.0316	EA	1
22323.....	3.0422	EA	1
22324-1.....	3.0316	EA	1
22324.....	2.9892	EA	1
22325-1.....	3.3390	EA	1
22325.....	3.0422	EA	1
22326.....	3.2966	EA	1
2234-2.....	7.6248	EA	10
2234-4.....	4.4711	EA	10
2235.....	11.9568	EA	5
22350.....	173.2676	EA	1
22351.....	51.6644	EA	1
22353-B.....	1.0388	EA	12
22353.....	0.8162	EA	12
22354-B.....	1.0388	EA	12
22354.....	0.8162	EA	12
22355-B.....	1.0388	EA	12
22355.....	0.8692	EA	12
22356-B.....	1.0388	EA	12
22356.....	0.8692	EA	12
22357-B.....	1.3780	EA	12
22357.....	1.1024	EA	12
22358-B.....	1.3780	EA	12
22358.....	1.1024	EA	12
22359-B.....	1.3780	EA	12
22359.....	1.1024	EA	12
2236-1.....	7.7417	EA	10
2236-2.....	14.7239	EA	10
2236-3.....	0.5778	EA	100
2236-4.....	5.9254	EA	10
2236.....	0.4313	EA	50
22360-B.....	1.3780	EA	12
22360.....	1.3780	EA	12
22361-B.....	1.9822	EA	12
22361.....	1.3780	EA	12
22362-B.....	2.0564	EA	12
22362.....	1.7066	EA	12
22363-B.....	1.5142	EA	12
22363.....	1.7066	EA	12
22364-B.....	2.7348	EA	12
22364.....	2.0564	EA	12
22365-B.....	2.7348	EA	12
22365.....	2.0564	EA	12
22366-B.....	3.0634	EA	12
22366.....	1.9080	EA	12
22367-B.....	3.4238	EA	12
22367.....	2.7348	EA	12
22368-B.....	4.1022	EA	6
22368.....	3.4238	EA	6
22369-B.....	4.1022	EA	6
22369.....	3.4238	EA	6
2237-1.....	27.7411	EA	1
2237.....	29.6458	EA	1
22370-B.....	4.4308	EA	6
22370.....	3.7524	EA	6
22371-B.....	4.7912	EA	6
22371.....	3.7630	EA	6
22372-B.....	5.4696	EA	6
22372.....	4.1022	EA	6
22373-B.....	5.4696	EA	6
22373.....	4.1022	EA	6
22374-B.....	6.8370	EA	6
22374.....	5.4696	EA	6
22375-B.....	6.8370	EA	6
22375.....	5.4696	EA	6
22376-B.....	4.5741	EA	6
22376.....	6.8370	EA	6
22377-B.....	8.2044	EA	6
22377.....	6.8370	EA	6
22378-B.....	9.9004	EA	6
22378.....	6.8370	EA	6
22379-B.....	9.9004	EA	6
22379.....	8.2044	EA	6
2238.....	33.6632	EA	1
22380-B.....	6.3407	EA	6
22380.....	8.2044	EA	6
22381-B.....	6.5930	EA	6
22381.....	8.2044	EA	6
22384.....	14.1470	EA	1
22385.....	2.2969	EA	1
22386.....	2.4013	EA	1
22387-1.....	2.7667	EA	1
22387.....	2.5579	EA	1
22388-1.....	3.4454	EA	1
22388-2.....	3.7586	EA	1
22388.....	3.0278	EA	1
22389.....	3.9152	EA	1
2239.....	38.2009	EA	1
22390.....	5.4291	EA	1
22391.....	6.6820	EA	1
22394.....	673.4172	EA	1
223A.....	0.5440	EA	50
224.....	2.4600	EA	5
22400-A.....	1.6663	EA	12
22400-AB.....	2.7348	EA	12
22400-B.....	1.8996	EA	12
22400-BB.....	2.7348	EA	12
22400-C.....	1.8996	EA	12
22400-CB.....	2.7348	EA	12
22400-D.....	1.8996	EA	12
22400-DB.....	2.7348	EA	12
22400-E.....	1.9663	EA	12
22400-EB.....	2.7348	EA	12
22400-F.....	8.9252	EA	12
22400-FB.....	3.0634	EA	12
22400-G.....	2.3995	EA	12
22400-GB.....	3.0634	EA	12
22400-H.....	3.4238	EA	12
22400-HB.....	2.6328	EA	12
22400-I.....	3.4238	EA	12
22400-IB.....	2.5328	EA	12
22400-J.....	2.5661	EA	12
22400-JB.....	3.4238	EA	12
22400-K.....	2.6994	EA	12
22400-KB.....	3.4238	EA	12
22400-L.....	2.8661	EA	12
22400-LB.....	4.1022	EA	12
22400-M.....	2.8661	EA	6
22400-MB.....	4.1022	EA	6
22400-N.....	2.9660	EA	6
22400-NB.....	4.1022	EA	6
22400-O.....	3.0994	EA	6
22400-OB.....	4.4308	EA	6
22400-P.....	3.1327	EA	6
22400-PB.....	4.4308	EA	6
22400-Q.....	4.7912	EA	6
22400-QB.....	3.3660	EA	6
22400-R.....	14.8294	EA	6
22400-RB.....	4.7912	EA	6
22400-S.....	5.4696	EA	6
22400-SB.....	3.7659	EA	6
22400-T.....	3.9992	EA	6
22400-TB.....	5.4696	EA	6
22400-U.....	18.4970	EA	6
22400-UB.....	5.4696	EA	6

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
22400-V.....	4.0325	EA	6
22400-VB.....	6.8370	EA	6
22400-W.....	6.8370	EA	6
22400-WB.....	4.1658	EA	6
22400-X.....	6.8370	EA	6
22400-XB.....	4.6324	EA	6
22400-Y.....	4.8323	EA	6
22400-YB.....	6.8370	EA	6
22400-Z.....	5.0656	EA	6
22400-ZB.....	8.2044	EA	6
22400.....	166.1020	EA	1
2241.....	28.1011	EA	1
22418.....	153.8873	ST	1
22419.....	171.5058	ST	1
2242.....	30.6756	EA	1
22420.....	408.6667	EA	1
22422.....	1352.0546	EA	1
22425-1.....	1.9645	EA	1
22425.....	1.8573	EA	12
22426-1.....	1.9645	EA	1
22426.....	1.8573	EA	12
22427-1.....	1.9645	EA	1
22427.....	1.8573	EA	12
22428-1.....	2.0002	EA	1
22428.....	1.8930	EA	12
22429-1.....	2.0716	EA	1
22429.....	2.0002	EA	12
22430-1.....	2.1073	EA	1
22430.....	2.0359	EA	12
22431-1.....	2.1788	EA	1
22431.....	2.1073	EA	12
22432-1.....	2.2859	EA	1
22432.....	2.1788	EA	12
22433-1.....	2.6431	EA	1
22433.....	2.5360	EA	12
22434-1.....	2.9646	EA	1
22434.....	2.8217	EA	12
22435-1.....	3.2503	EA	1
22435.....	3.1074	EA	12
22436-1.....	3.5003	EA	1
22436.....	3.2503	EA	12
22437-1.....	3.6789	EA	1
22437.....	3.5361	EA	12
22438-1.....	4.4647	EA	1
22438.....	4.3219	EA	12
22439-1.....	4.7505	EA	1
22439.....	4.5719	EA	12
22440-1.....	5.3219	EA	1
22440.....	5.2505	EA	6
22441-1.....	5.7148	EA	1
22441.....	5.6077	EA	6
22442-1.....	6.3935	EA	1
22442-10.....	19.1436	EA	1
22442-12.....	25.4824	EA	1
22442-6.....	14.2676	EA	1
22442-8.....	15.4336	EA	1
22442.....	6.2863	EA	6
22443-1.....	7.2150	EA	1
22443.....	7.1436	EA	6
22444-1.....	8.0008	EA	1
22444.....	7.8936	EA	6
22445-1.....	8.1079	EA	1
22445.....	8.0008	EA	6
22446-1.....	9.3223	EA	1
22446.....	9.2152	EA	6
22447-1.....	9.8938	EA	1
22447.....	9.7867	EA	6
22448-1.....	10.3224	EA	1
22448.....	10.2153	EA	6
22449-1.....	11.2511	EA	1
22449.....	11.1439	EA	6
2245.....	23.4939	EA	1
22450-1.....	11.7511	EA	1
22450.....	11.8940	EA	6
22451-1.....	13.0370	EA	1
22451.....	12.9298	EA	6
22452-1.....	13.6799	EA	1
22452.....	13.5727	EA	6
22453-1.....	14.0728	EA	1
22453.....	13.9656	EA	6
22455.....	128.4705	EA	1
22456.....	69.6578	EA	1
22457.....	8.4058	EA	1
22458.....	10.5185	EA	1
22459.....	11.1944	EA	1
22460.....	13.1376	EA	1
22461.....	18.3486	EA	1
22462.....	30.5810	EA	1
22465-10.....	3.2037	EA	1
22465-11.....	3.8464	EA	1
22465-8.....	13.5473	EA	1
22465.....	46.4956	EA	1
22466-10.....	3.2037	EA	1
22466-11.....	3.4400	EA	1
22466.....	60.2669	EA	1
22467-12.....	3.9031	EA	1
22467-14.....	5.3065	EA	1
22467-16.....	6.2043	EA	1
2247.....	39.7324	EA	1
22475-4.....	3.3143	EA	1
22475-6.....	3.7714	EA	1
22476-4.....	3.3857	EA	1
22476-6.....	3.7000	EA	1
22477-6.....	4.5262	EA	1
22478-6.....	4.4571	EA	1
22479-6.....	6.0857	EA	1
22480-8.....	10.7696	EA	1
22481-8.....	18.2143	EA	1
22482-10.....	21.9102	EA	1
22483-10.....	27.2000	EA	1
22484.....	14.1470	EA	1
22485.....	2.2186	EA	1
22486.....	1.1554	EA	1
22487.....	2.5579	EA	1
22488.....	1.1554	EA	1
22489.....	2.5579	EA	1
22490.....	1.4416	EA	1
22491.....	1.5052	EA	1
22492.....	3.0017	EA	1
22493.....	2.9680	EA	1
225.....	0.8268	EA	10
22500.....	31.5880	EA	1
22501-1.....	4.8021	EA	1
22501.....	31.5880	EA	1
22502.....	31.5880	EA	1
22503.....	31.5880	EA	1
22504.....	5.5000	EA	1
22505.....	34.0048	EA	1
22506.....	41.3188	EA	1
22507.....	73.0816	EA	1
22508.....	53.4240	EA	1
22509-1.....	20.8176	EA	1
22509-2.....	30.7316	EA	1
22509-3.....	34.6898	EA	1
22509-4.....	37.9945	EA	1
22509-5.....	41.3029	EA	1
22509-6.....	44.6076	EA	1
22509.....	68.0626	EA	1
2251.....	62.1266	RL	1
22511-1.....	0.3922	EA	12
22511-2.....	0.9485	EA	1
22511.....	0.3922	EA	12
22512.....	0.3922	EA	12
22513.....	0.4876	EA	12
22514.....	0.2400	EA	12
22515.....	0.7844	EA	6
22516.....	1.0494	EA	6
22517.....	1.6006	EA	6
22518.....	2.0882	EA	6
22519-1.....	0.8364	EA	1
22519-2.....	1.1016	EA	1
22519-6.....	2.6363	EA	1
22519.....	3.0422	EA	4
22520.....	2.5705	EA	1
22521-1.....	2.5705	EA	1
22521.....	13.2924	EA	1
22522.....	13.2924	EA	1
22523.....	13.2924	EA	1
22524.....	13.2924	EA	1
22525.....	13.2924	EA	1
22526.....	13.2924	EA	1
22527.....	20.9032	EA	1
22528.....	20.9032	EA	1
22529-1.....	6.2846	EA	1
22529-2.....	6.2846	EA	1
22529-6.....	11.7726	EA	1
22529.....	20.9032	EA	1
22531.....	43.6932	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
22532	43.6932	EA	1
22533	43.6932	EA	1
22534	43.6932	EA	1
22535	43.6932	EA	1
22536	48.5904	EA	1
22537	60.7910	EA	1
22538	60.7486	EA	1
22539-1	30.8623	EA	1
22539-2	35.6793	EA	1
22539-3	35.6793	EA	1
22539-4	44.6076	EA	1
22539-5	51.2095	EA	1
22539-6	56.1721	EA	1
22539-7	59.4693	EA	1
22539	75.2918	EA	1
22541	0.3922	EA	12
22542	0.3922	EA	12
22543	0.4876	EA	12
22544	0.6678	EA	12
22545	0.7844	EA	6
22546	1.0494	EA	6
22547	1.6006	EA	6
22548	2.0882	EA	6
22549-1	0.8364	EA	1
22549-2	1.0866	EA	1
22549	3.0422	EA	4
2255-1	1.9610	EA	10
2255-2	3.5939	EA	5
2255-3	5.7346	EA	5
2255-4	5.7028	EA	5
2255-5	5.7028	EA	5
2255-6	5.1728	EA	5
2255-7	2.8620	EA	5
2255	5.8156	EA	10
22551	25.8216	EA	1
22552	25.8216	EA	1
22553	25.8216	EA	1
22554	25.8216	EA	1
22555	25.8216	EA	1
22556	25.8216	EA	1
22557	25.8216	EA	1
22558	25.8216	EA	1
22559-3	25.4167	EA	1
22559-7	35.8255	EA	1
22559	25.8216	EA	1
2256-1	2.1518	EA	5
22560-1	6.1874	EA	1
22560	11.5085	EA	1
22561	37.7042	EA	1
22562-1	5.8065	EA	1
22562	37.7042	EA	1
22563-1	7.4281	EA	1
22563	37.6936	EA	1
22564-1	6.6728	EA	1
22564	46.1630	EA	1
22565-1	10.7169	EA	1
22565-2	11.8184	EA	1
22565-3	12.4346	EA	1
22565-4	13.4614	EA	1
22565	57.3884	EA	1
22566-1	59.4804	EA	1
22566-2	67.8912	EA	1
22566-3	56.0322	EA	5
22566-4	67.8912	EA	1
22566-5	65.4631	EA	1
22566-6	100.0544	EA	1
22566-7	102.0326	EA	1
22566	56.0254	EA	1
22567	6.5398	EA	1
22568	1.0530	EA	1
22569-3	16.8540	EA	1
22569-5	16.8858	EA	1
22569-7	16.8858	EA	1
22569-9	16.8858	EA	1
22570-1	1.1277	EA	1
22570	1.1277	EA	1
22571	0.3922	EA	12
22572-1	1.1800	EA	1
22572	0.3922	EA	12
22573-1	1.4526	EA	1
22573	0.4876	EA	12
22574-1	0.9559	EA	1
22574	0.6678	EA	12
22575-1	2.2517	EA	1
22575-2	2.6064	EA	1
22575-3	3.7714	EA	1
22575-4	1.6579	EA	1
22575	0.6890	EA	6
2258	1.9610	EA	5
22580	92.7288	EA	1
22581	2.0965	EA	5
22582	2.0965	EA	5
22583	2.0860	EA	5
22589	13.6740	EA	1
2259	0.9497	EA	5
22590-2	13.6740	EA	1
22590	14.1192	EA	1
22591	14.1192	EA	1
22592	15.1262	EA	1
22593	15.1262	EA	1
22594	18.8044	EA	1
22595	18.8044	EA	1
22596	22.6204	EA	1
22597	22.6204	EA	1
22598-1	30.6128	EA	1
22598-2	35.1920	EA	1
22598-3	43.1526	EA	1
22598	25.4612	EA	1
22599	25.4612	EA	1
226-306	0.3341	EA	100
226	0.3297	EA	10
2260	2.4760	EA	5
22600-1/2	24.3906	EA	1
22600-1/4	21.7830	EA	1
22600-3/16	20.9986	EA	1
22600-3/8	23.3730	EA	1
22600-5/16	22.6098	EA	1
22600-7/16	23.8818	EA	1
22600-T	0.8341	EA	3
22600	90.9173	KT	1
22601	1.4734	EA	20
22602	1.5370	EA	20
22603	1.7914	EA	20
22604	1.9398	EA	20
22605	2.2578	EA	10
22606	2.9256	EA	10
22611	1.4734	EA	20
22612	1.5370	EA	20
22613	1.7914	EA	20
22614	1.9398	EA	20
22615	2.2578	EA	10
22616	2.9256	EA	10
22619-1	25.0266	EA	1
22619-1/2	15.6138	EA	1
22619-1/4	13.4832	EA	1
22619-10	19.1224	EA	1
22619-3/4	21.2106	EA	1
22619-3/8	14.2464	EA	1
22619-5/16	13.4832	EA	1
22619-5/8	17.1932	EA	1
22619-7/16	14.7658	EA	1
22619-7/8	21.7936	EA	1
22619-8	19.1224	EA	1
22619-9/16	15.8364	EA	1
22619-T	0.9756	EA	3
22619	105.6055	KT	1
22620	2.6818	EA	25
22621	1.7172	EA	25
22622	1.7808	EA	20
22623	2.0246	EA	20
22624	2.2154	EA	20
22625	2.5970	EA	10
22626	3.3390	EA	10
22627	4.5792	EA	5
22628	5.3530	EA	5
22629	8.3316	EA	5
2263-1	2.0776	EA	10
2263-2	1.1291	EA	10
2263-4	3.8372	EA	10
2263-5	3.9008	EA	10
2263-7	2.8620	EA	10
2263-8	0.5647	EA	5
2263	217.2152	RL	1
22630	9.4128	EA	3
22631	16.3240	EA	3
22641	1.7172	EA	25
22642	1.7808	EA	20
22643	2.0246	EA	20

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
22644	2.2154	EA	20
22645	2.5970	EA	10
22646	3.3390	EA	10
22647	4.5792	EA	5
22648	5.3530	EA	5
22649	8.3316	EA	5
2265-1	1.9610	EA	10
22650	9.4128	EA	3
22651	15.0096	EA	3
2266	3.2713	EA	20
22660	3.7480	EA	10
22661	3.7727	EA	10
22664-1	15.3961	EA	1
22664-2	12.7094	EA	1
22664-3	18.1366	EA	1
22664-4	28.3338	EA	1
22664	7.7068	EA	1
2267-1	4.7482	EA	10
22670-10	43.4812	EA	1
22670-12	45.4528	EA	1
22670-6	31.2806	EA	1
22670-8	32.4360	EA	1
22672	2.5652	EA	20
22673	2.6288	EA	20
22676	3.4344	EA	20
22678	4.7700	EA	10
22680	4.9820	EA	10
22682	171.0208	EA	1
22683	221.0206	EA	1
22684-1	11.5540	EA	1
22684-2	12.7094	EA	1
22684-3	16.5996	EA	1
22684-4	25.7474	EA	1
22684	7.2186	EA	1
22685-1	11.5540	EA	1
22685-2	13.6316	EA	1
22685-3	18.3274	EA	1
22685-4	28.8850	EA	1
22685	7.2186	EA	1
22686-1	11.5540	EA	1
22686-2	14.3206	EA	1
22686-3	18.0306	EA	1
22686-4	26.6696	EA	1
22686	7.2186	EA	1
22687-1	11.5540	EA	1
22687-2	14.3206	EA	1
22687-3	19.1436	EA	1
22687-4	26.2244	EA	1
22687	7.2186	EA	1
22688-1	13.9948	EA	1
22688-2	17.6556	EA	1
22688-3	18.3274	EA	1
22688-4	26.9664	EA	1
22688	7.7068	EA	1
22689-1	11.5540	EA	1
22689-2	12.5186	EA	1
22689-3	15.1262	EA	1
22689-4	20.3202	EA	1
22689	7.2186	EA	1
2269	3.2054	EA	20
22690-2	14.6810	EA	1
22690-3	22.9490	EA	1
22690-4	28.0264	EA	1
22690	7.2186	EA	1
22691-2	18.6014	EA	1
22691-3	21.9644	EA	1
22691-4	43.3332	EA	1
22691	7.7068	EA	1
22692-2	14.6810	EA	1
22692-3	22.9490	EA	1
22692-4	28.8850	EA	1
22692	7.2186	EA	1
22693-1	12.7863	EA	1
22693-2	16.9900	EA	1
22693-3	23.5057	EA	1
22693-4	32.3685	EA	1
22693	7.7068	EA	1
22694-2	16.6170	EA	1
22694-3	24.8678	EA	1
22694-4	43.7038	EA	1
22695-2	18.5787	EA	1
22695-3	24.8678	EA	1
22695-4	35.0012	EA	1
22696-2	21.0886	EA	1
22696-3	26.3391	EA	1
22696-4	35.0648	EA	1
22697-2	24.0600	EA	1
22697-3	26.9449	EA	1
22697-4	33.2052	EA	1
22698-2	21.8675	EA	1
22698-3	33.7533	EA	1
22698-4	44.6472	EA	1
22699-2	18.3479	EA	1
22699-3	20.4828	EA	1
22699-4	29.3394	EA	1
2270-1	23.3153	PR	1
22700	15.8323	EA	1
22703	11.8858	EA	1
22705	11.8858	EA	1
22707	12.4858	EA	1
22709	12.4858	EA	1
22711	12.6243	EA	1
22713	13.4782	EA	1
22715	13.4782	EA	1
22719	16.6170	EA	1
22722	16.6170	EA	1
22728	22.1560	EA	1
22733	22.8253	EA	1
22750	7.0808	EA	1
22751	7.1762	EA	1
22752	7.1762	EA	1
22753	7.1762	EA	1
22754	7.7592	EA	1
22755	7.7592	EA	1
22756	7.7592	EA	1
22757	7.7592	EA	1
22758	7.7592	EA	1
22759	8.3634	EA	1
2276-1	17.6172	EA	1
2276	22.8815	EA	1
22760-1	9.5612	EA	1
22760	9.5612	EA	1
22761-1	10.9498	EA	1
22761-2	10.9498	EA	1
22761-3	10.7590	EA	1
22761	9.5612	EA	1
22762-1	11.9462	EA	1
22762-2	11.9462	EA	1
22762-3	13.1334	EA	1
22762	11.9462	EA	1
22763-1	12.7412	EA	1
22763	13.1334	EA	1
22764-1	12.7412	EA	1
22764-2	13.1334	EA	1
22764	13.1334	EA	1
22765-1	17.9140	EA	1
22765-2	20.3096	EA	1
22765	15.0520	EA	1
22766-1	23.6168	EA	1
22766-2	33.4430	EA	1
22766	20.8502	EA	1
22767	35.4252	EA	1
22768	40.1422	EA	1
22769	44.8698	EA	1
22770	55.5970	EA	1
228	6.1520	EA	5
22800	15.2848	EA	1
22801	14.4760	EA	1
22802	7.8201	EA	1
22803N	4.0598	EA	5
22804	29.7648	EA	1
22805N	4.0598	EA	5
22806	29.7648	EA	1
22807	18.7726	EA	1
22810	15.5714	EA	1
22811	17.7338	EA	1
22812	8.2941	EA	1
22813	11.1493	EA	6
22814	19.8644	EA	6
22815	14.3661	EA	6
22820-4-4	20.2249	EA	4
22828	15.4045	EA	1
22829	27.6469	EA	1
2283	30.1676	EA	1
22830	63.5576	EA	1
22831	50.6044	EA	1
22832	124.3380	EA	1
22833	53.2438	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
22834	53.2544	EA	1
22837	87.7150	EA	1
22839	99.5839	EA	1
2284	7.2747	EA	25
22840	121.9954	EA	1
22841	82.1182	EA	1
22842	96.5660	EA	1
22844	54.8338	EA	1
2285	6.2010	EA	2
22850	62.5930	EA	1
22853	53.1378	EA	1
22855	62.8050	EA	1
22856	65.9532	EA	1
22857	208.9901	EA	1
22859	184.6608	EA	1
2286	6.9430	EA	2
22864	57.4232	EA	1
22865	65.9532	EA	1
22866	42.7180	EA	1
22867	67.3736	EA	1
22868-25	78.6414	EA	1
22869	49.7776	EA	1
2287	2.3532	EA	2
22871	147.7322	EA	1
22874	86.9518	EA	1
22876	118.7730	EA	1
22878	25.8404	EA	1
2288	0.0287	EA	2
22880	97.6798	EA	1
22881-25	78.6202	EA	1
22882	127.4794	EA	1
22883	139.5384	EA	1
22884	122.2509	EA	1
22889	0.0981	EA	50
2289	6.7198	EA	2
22890	2.6662	EA	1
22893	2.6662	EA	1
22895	2.6662	EA	1
22896-1	3.3495	EA	1
22896	2.6662	EA	1
22897-1	3.3495	EA	1
22897	2.6662	EA	1
22898-1	3.3495	EA	1
22898	2.6662	EA	1
22899-1	3.3495	EA	1
22899	2.6662	EA	1
229	3.7720	EA	5
2290	12.4181	EA	5
22900-1	3.3495	EA	1
22900	2.6662	EA	1
22901	2.6662	EA	1
22902	3.3495	EA	1
22903-1	3.3495	EA	1
22903	2.6662	EA	1
22904	3.3495	EA	1
22905	3.3495	EA	1
22906	3.3495	EA	1
22908	3.3495	EA	1
2291	14.7022	EA	2
22912	3.3495	EA	1
22913-1	5.0410	EA	1
22913	3.0190	EA	1
22915	5.0410	EA	1
22917	5.0410	EA	1
2292-1	12.3416	EA	5
2292	7.7897	EA	5
22921	8.6146	EA	1
22922	8.6146	EA	1
22923	8.6146	EA	1
22925	8.6146	EA	1
22926	11.8744	EA	1
22928	11.8744	EA	1
2293-1	7.2610	EA	5
2293	8.5860	EA	5
22930	14.8431	EA	1
22933	11.8744	EA	1
229348	1.7280	EA	5
2294-1	1.7323	EA	5
2294	9.0418	EA	2
2295	15.2004	EA	1
2296	8.3556	EA	2
2297	8.0878	EA	5
2298	8.7874	EA	1
22980	0.1101	EA	50
22981	0.1101	EA	50
22982	0.1178	EA	50
22983	0.1495	EA	50
22985	0.1842	EA	50
22986	0.1453	EA	25
22987	0.1453	EA	25
22988	0.0975	EA	50
22989	0.0975	EA	50
2299	11.3554	EA	1
22991	0.1802	EA	50
22992	0.1638	EA	50
23	0.3097	EA	25
230	2.7480	EA	5
23000-1	0.2082	EA	100
23000-D1	104.9427	EA	1
23000-D2	104.9427	EA	1
23000-D3	104.9427	EA	1
23000-T	286.5589	EA	1
23000	0.1325	EA	50
23001	0.2082	EA	50
23002	0.2082	EA	50
23003-1	0.2100	EA	100
23003	0.1227	EA	50
23004	0.1158	EA	50
23007-B	0.1345	EA	50
23007	0.1119	EA	50
23009-B	0.1345	EA	50
23009	0.2114	EA	50
23010	0.1507	EA	50
23011	0.2114	EA	50
23012	0.1119	EA	50
230120	1.7815	EA	100
23013	0.1345	EA	50
23014-1	0.1854	EA	100
23014-F	0.8215	EA	50
23014-H	0.7445	EA	25
23014-W	0.5701	EA	25
23014	0.1340	EA	50
23015	0.6731	EA	25
23016	0.3014	EA	50
23017	0.3164	EA	50
23018	0.3814	EA	50
23020	0.1101	EA	50
23021	0.1101	EA	50
23022	0.1054	EA	50
23023	0.1340	EA	50
23024	0.1415	EA	50
23025	0.2084	EA	50
23026	0.2084	EA	50
23027-B	0.1359	EA	50
23027	0.1507	EA	50
23028-B	0.1567	EA	50
23028	0.1567	EA	50
23029-B	0.1359	EA	50
23029	0.1359	EA	50
23030	0.1017	EA	50
23031	0.1017	EA	50
23032	0.1119	EA	50
23033	0.1291	EA	50
23035-1	0.1361	EA	100
23035-F	0.9325	EA	50
23035-F1	0.1542	EA	100
23035-H	0.7671	EA	25
23035-W	0.4087	EA	25
23035	0.1340	EA	50
23036	0.4924	EA	25
23037-1	0.9003	EA	15
23037	0.7407	EA	25
2304-L	10.1320	EA	10
2304-R	10.1004	EA	10
23042	0.2307	EA	50
23043	0.2748	EA	50
23044	0.3211	EA	50
23045	0.3443	EA	50
23047	0.3331	EA	50
23048	0.3676	EA	50
23050	0.4279	EA	50
23051	0.2267	EA	50
23052	0.1519	EA	50
230520-5	1.9178	EA	5
2306-L	5.3212	EA	10
2306-R	4.2867	EA	10
2306	0.2174	EA	100
23060	0.1399	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
23061	0.1538	EA	50
23062	0.2049	EA	50
23064	0.2131	EA	50
23065	0.2131	EA	50
23067	0.2720	EA	50
23069-B	0.2619	EA	50
23069	0.1666	EA	50
2307-L	6.2773	EA	10
2307-R	6.3638	EA	10
23071	0.1118	EA	50
23073	0.1419	EA	50
23075-1	0.3000	EA	100
23075-F	0.9550	EA	50
23075-H	2.4366	EA	25
23075-W	0.7212	EA	25
23075	0.1671	EA	50
230750-5	3.6155	EA	5
23076	0.9003	EA	25
23077-1	0.3400	EA	25
23077	0.1246	EA	50
23078-1	0.3366	EA	25
23078	0.3297	EA	25
23079-1	0.3194	EA	25
23079	0.3194	EA	25
2308-R	4.4763	EA	10
23080	0.1197	EA	50
23081	0.0995	EA	50
23083-1	0.1494	EA	25
23083	0.1385	EA	25
23084	0.1901	EA	25
23085	0.1828	EA	25
23086	0.1962	EA	25
23087-1	0.1854	EA	25
23087-2	0.1785	EA	25
23087	0.1866	EA	25
23088	0.0944	EA	50
23089	0.1223	EA	50
230892	2.6640	EA	1
23090	0.0995	EA	50
23091	0.1119	EA	50
23092	0.0995	EA	50
23094	0.1230	EA	50
23095	0.1118	EA	50
23097	0.1359	EA	50
23098	0.1359	EA	50
23099-1	0.1726	EA	100
23099	0.1497	EA	50
231	3.3200	EA	5
2310	8.3733	EA	2
23100	0.0791	EA	25
23101	0.0898	EA	50
23102	0.0898	EA	50
23103	0.0859	EA	50
23104	0.0971	EA	50
23107	0.0859	EA	50
23108	0.1841	EA	50
2311	7.4371	EA	2
23110-1	0.2114	EA	50
23110	0.5701	EA	25
23111	0.6286	EA	25
23112	0.7624	EA	25
23113	0.5213	EA	25
23114	0.0847	EA	50
23116	4.1598	EA	1
23118	0.1371	EA	50
23119	0.0884	EA	50
2312	8.1151	EA	2
23120	0.0905	EA	50
23123	0.0915	EA	50
23124	0.1027	EA	50
23125	0.1018	EA	50
23126	0.1120	EA	50
23128	0.0905	EA	50
23129	0.0915	EA	50
2313	11.3234	EA	2
23133	0.1008	EA	50
23135-1	0.1007	EA	100
23135	0.0847	EA	50
23136	0.3256	EA	25
23137	0.4089	EA	25
2314	8.7607	EA	2
2315	12.5653	EA	2
2316-R	2.8648	EA	10
23161	0.1252	EA	50
23162	0.1441	EA	50
23164	0.1427	EA	50
23165	0.1441	EA	50
231650	3.7203	EA	50
23167	0.2603	EA	50
23169	0.1161	EA	50
23170	0.0916	EA	25
23171	0.0910	EA	25
23175	0.1019	EA	50
23176-S	0.1679	EA	100
23176	0.1740	EA	100
23177-S	0.1679	EA	100
23177	0.1740	EA	100
23178-S	0.1679	EA	100
23178	0.1740	EA	100
23179-S	0.1683	EA	100
23179	0.1999	EA	100
23180-S	0.1683	EA	100
23180	0.1882	EA	100
23181-S	0.1683	EA	100
23181	0.1101	EA	100
23182-S	0.1747	EA	100
23182	0.1495	EA	100
23183-S	0.1747	EA	100
23183	0.2795	EA	100
23184-S	0.1747	EA	100
23184	0.1495	EA	100
23185	0.2795	EA	100
23186	0.1087	EA	50
23187	0.1087	EA	50
23188	0.1221	EA	50
23189	0.1340	EA	50
23190	0.8067	EA	10
23191	0.7332	EA	10
23192	1.0089	EA	10
23194	0.1048	EA	50
23197-1	0.1240	EA	50
23197-4	0.1458	EA	50
23197	0.1236	EA	50
23198	0.1236	EA	50
23199	0.1025	EA	50
231A	0.1790	EA	100
232	3.8120	EA	5
23200-HDT	329.9230	EA	1
23202-1	0.0873	EA	50
23202-10	0.0999	EA	50
23202-11	0.0915	EA	50
23202-14	0.0878	EA	50
23202-4	0.0873	EA	50
23202-5	0.1238	EA	50
23202-6	0.1482	EA	50
23202-8	0.0915	EA	50
23202-9	0.1482	EA	50
23203	0.0583	EA	50
23204	0.2314	EA	50
23207	0.0583	EA	50
2321	9.0765	EA	2
23214	0.0648	EA	50
23218	20.4664	EA	1
23221	0.0599	EA	50
23222	0.0599	EA	50
23223	0.0647	EA	50
23224	0.0770	EA	50
23229	0.0647	EA	50
23233	0.1151	EA	50
23235	0.0741	EA	50
23240-F	0.2398	EA	50
23240-M	0.5128	EA	50
23240-S	0.2147	EA	50
23240	0.6133	EA	50
23241	0.2515	EA	50
23242-1	0.3234	EA	50
23242	0.2875	EA	50
23243-1	0.2789	EA	50
23243	0.2789	EA	50
23244-1	0.3002	EA	50
23244	0.2738	EA	50
23245	0.2875	EA	50
23246	0.2045	EA	50
23247-1	0.3792	EA	50
23248-F	0.3606	EA	50
23248-M	0.2369	EA	50
23248-S	0.1444	EA	50
23248	0.3622	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
23249.....	0.3661	EA	50
2325.....	9.3518	EA	5
23253.....	0.5404	EA	50
23254.....	0.3598	EA	50
23256.....	0.2598	EA	50
23257.....	0.4786	EA	25
23258.....	0.4856	EA	25
23259.....	0.4795	EA	25
2326.....	8.9230	EA	5
23261.....	0.0831	EA	50
23262.....	0.0886	EA	50
23264.....	0.1101	EA	50
23265.....	0.1101	EA	50
23269.....	0.0831	EA	50
23270-1.....	1.5496	EA	2
23270-2.....	2.0366	EA	2
23270-3.....	1.6140	EA	2
23270-4.....	1.5496	EA	2
23270.....	1.5006	EA	5
23271-1.....	1.6831	EA	2
23271-2.....	1.6836	EA	2
23271-3.....	1.6836	EA	2
23271-4.....	2.1169	EA	2
23271-5.....	2.1169	EA	2
23271.....	1.9220	EA	5
23272-1.....	1.7694	EA	2
23272-2.....	1.7694	EA	2
23272-3.....	2.0961	EA	2
23272.....	2.0687	EA	5
23274-1.....	2.3473	EA	2
23274-2.....	2.3473	EA	2
23274-3.....	2.7908	EA	2
23274.....	2.4795	EA	5
23275.....	0.1162	EA	50
23276.....	0.0596	EA	25
23277.....	0.0596	EA	25
23280.....	0.0596	EA	25
23284-1.....	0.3425	EA	25
23284.....	0.6819	EA	25
23285-1.....	0.3227	EA	25
23285-2.....	0.7098	EA	25
23285.....	0.3227	EA	25
23286-1.....	0.5202	EA	25
23286.....	0.7802	EA	25
23287.....	0.7606	EA	25
23288-1.....	0.5691	EA	25
23288.....	0.6206	EA	25
23289-1.....	0.2678	EA	25
23289.....	0.7243	EA	25
23290-1.....	1.0758	EA	10
23290-2.....	1.0596	EA	25
23290.....	1.0758	EA	10
23291-1.....	0.5334	EA	25
23291.....	1.1369	EA	25
23292.....	0.5430	EA	25
23293-1.....	0.7590	EA	25
23293-2.....	0.7235	EA	25
23293.....	0.8367	EA	25
23294-1.....	0.5769	EA	25
23294.....	0.8424	EA	25
23295-1.....	0.5999	EA	25
23295.....	0.8984	EA	25
23296-1.....	0.7182	EA	25
23296.....	0.7182	EA	25
23297-1.....	0.6150	EA	25
23297-2.....	0.8257	EA	10
23297-3.....	0.8257	EA	10
23297.....	0.6028	EA	25
23298-1.....	0.6327	EA	25
23298-10.....	0.6659	EA	25
23298-11.....	0.8178	EA	10
23298-12.....	0.8075	EA	25
23298-13.....	0.8178	EA	10
23298-2.....	0.8075	EA	25
23298-3.....	1.2044	EA	25
23298-4.....	0.8389	EA	25
23298-5.....	0.7245	EA	25
23298-6.....	0.7643	EA	25
23298-7.....	0.7029	EA	25
23298-8.....	1.2044	EA	25
23298-9.....	0.6659	EA	25
23298.....	1.4491	EA	25
23299-1.....	1.0880	EA	10
23299-10.....	1.3085	EA	10
23299-11.....	1.3085	EA	10
23299-12.....	1.0651	EA	25
23299-2.....	1.0651	EA	25
23299-3.....	1.1026	EA	25
23299-4.....	1.1401	EA	25
23299-5.....	0.6726	EA	25
23299-6.....	0.7131	EA	25
23299-7.....	0.7250	EA	25
23299-8.....	1.0864	EA	25
23299-9.....	1.1083	EA	25
23299.....	1.4150	EA	25
232A.....	0.1832	EA	100
233.....	3.9760	EA	5
23300.....	0.1279	EA	50
23301-1.....	0.3639	EA	50
23301.....	0.3752	EA	25
23304.....	0.3149	EA	50
23305.....	0.4107	EA	50
23306.....	0.3942	EA	50
23307.....	0.6678	EA	50
23308.....	0.2614	EA	50
23309.....	0.2223	EA	50
23310.....	0.1248	EA	50
23311.....	0.0668	EA	50
23312.....	0.3363	EA	25
23313.....	0.2306	EA	50
23315.....	0.0668	EA	50
23316.....	0.3676	EA	25
23317.....	0.4312	EA	25
23318.....	0.0681	EA	50
23319.....	0.0626	EA	50
2332.....	32.6162	EA	1
23320-1.....	0.1591	EA	25
23323-1.....	0.2853	EA	50
23323.....	0.2515	EA	50
23324-1.....	0.2853	EA	50
23324.....	0.3310	EA	50
23325-1.....	0.2709	EA	50
23325.....	0.2836	EA	50
23326-1.....	0.3422	EA	50
23326.....	0.2836	EA	50
23327.....	0.2836	EA	50
23329.....	0.2007	EA	100
2333.....	58.5120	EA	1
23330.....	0.2007	EA	100
23331.....	0.1686	EA	50
23332.....	0.2028	EA	50
23333.....	0.1893	EA	50
23334.....	0.1700	EA	50
23335.....	0.1918	EA	50
23336-BL.....	0.2173	EA	50
23336-F.....	0.2669	EA	50
23336-GRA.....	0.1962	EA	50
23336-M.....	0.4004	EA	50
23337.....	0.1863	EA	25
23338.....	0.4818	EA	50
23339.....	0.4755	EA	50
2334.....	27.1355	EA	1
23340.....	0.2497	EA	50
23341.....	0.2461	EA	50
23342.....	0.2174	EA	25
23343.....	0.1919	EA	25
23344.....	14.7032	EA	5
23346.....	0.1901	EA	25
23347.....	0.1818	EA	50
23348-1.....	0.2258	EA	50
23348.....	0.1855	EA	50
23349.....	0.1531	EA	50
2335.....	79.0124	EA	1
23350.....	0.2974	EA	50
23351.....	0.0959	EA	50
23352.....	0.3580	EA	25
23353.....	0.0661	EA	50
23355.....	0.1833	EA	50
23356.....	0.1833	EA	50
23357.....	0.2815	EA	50
23358-1.....	0.3265	EA	50
23358.....	0.3066	EA	50
23359.....	0.2580	EA	50
2336.....	106.0318	EA	1
23360-1.....	0.3260	EA	50
23360-2.....	0.2789	EA	50
23361.....	0.1632	EA	25
23363.....	0.2261	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
23367	0.2277	EA	50
23372	0.6627	EA	25
23373-1	0.2553	EA	25
23374	0.1511	EA	50
23375-1	0.1371	EA	50
23375-3	0.2170	EA	50
23376-1	0.1427	EA	50
23376-3	0.1754	EA	50
23377-1	0.4168	EA	50
23377	0.2366	EA	25
23378	0.2811	EA	25
23379	0.1994	EA	50
23380-1	0.0533	EA	100
23381	0.1140	EA	50
23388	0.0740	EA	100
23390	3.0846	EA	5
23391	4.2718	EA	5
23392	4.6640	EA	5
23393-1	3.9220	EA	10
23393	2.9786	EA	5
23394	3.7480	EA	5
23395	2.2048	EA	5
23396	0.4220	EA	5
23397-1	1.0363	EA	10
23397-2	1.2678	EA	10
23397-X	0.6873	EA	5
23398-1	0.6800	EA	5
23399-3	2.2118	EA	5
23399-4	2.2118	EA	5
23399	1.3450	EA	5
234	4.3480	EA	5
2340	0.5331	EA	20
23400-1N	4.8476	EA	5
23400-1P	4.8476	EA	5
23400-2N	4.9344	EA	5
23400-2P	4.9344	EA	5
23400-3N	5.0880	EA	5
23400-3P	5.0880	EA	5
23400-4N	5.6023	EA	2
23400-4P	5.6023	EA	2
23400N	2.5845	EA	5
23400P	2.5845	EA	5
23401-1	0.4561	EA	10
23401-10	1.8000	EA	5
23401-10X	1.8000	EA	5
23401-11	1.8944	EA	5
23401-1X	0.4930	EA	10
23401-2	0.5866	EA	10
23401-2X	0.6522	EA	10
23401-3	0.6138	EA	10
23401-4	0.9300	EA	10
23401-5	1.0000	EA	5
23401-6	1.0000	EA	5
23401-7	1.1500	EA	5
23401-8	1.1500	EA	5
23401-9	1.4000	EA	5
23401-9X	1.4000	EA	5
23401-T	23.8293	EA	1
23401	10.9359	EA	1
23402-1	0.4788	EA	10
23402-2	0.5947	EA	10
23402-3	0.7476	EA	10
23402-4	0.7788	EA	10
23402-5	0.9654	EA	5
23402-6	1.1234	EA	5
23402-7	1.2826	EA	5
23402-8	1.7066	EA	5
23402-C	25.3825	EA	1
23403-1	19.7054	EA	1
23403-2	36.3362	EA	1
23403	49.1416	EA	1
23404-1	3.5086	EA	5
23404-3	3.8956	EA	2
23404-4	4.1900	EA	2
23404	3.6174	EA	5
23405-1	3.5086	EA	5
23405-2	3.3073	EA	5
23405-3	3.8956	EA	2
23405-4	4.4626	EA	2
23405	3.6174	EA	5
23406	3.5431	EA	5
23407	3.5431	EA	5
23408-1	3.5617	EA	5
23408-2	2.1730	EA	5
23408-3	2.1730	EA	10
23408-4	2.1730	EA	10
23408-6	3.1721	EA	5
23408	3.1721	EA	5
23409-4	6.6114	EA	5
23409-5	6.6114	EA	5
2341	0.8859	EA	20
23410	8.7980	RL	1
23411-2	8.7980	RL	1
23411	8.7980	RL	1
23412	8.7980	RL	1
23413-1	8.7980	RL	1
23413	8.7980	RL	1
23414	8.7980	RL	1
23415	11.8614	RL	1
23416	11.8614	RL	1
23417	11.8614	RL	1
23418-1	11.8614	RL	1
23418	11.8614	RL	1
23419	11.8614	RL	1
2342	0.9058	EA	20
23420-1	10.7531	RL	1
23420	11.8614	RL	1
23421	34.5295	EA	1
23422	40.3966	EA	1
23424	11.5116	RL	1
23425-1	73.4721	RL	1
23425	11.5116	RL	1
23426	11.5116	RL	1
23427	11.5116	RL	1
23428	11.5116	RL	1
23429	11.5116	RL	1
2343	1.0888	EA	20
23430-1	12.2536	RL	1
23430	73.4721	RL	1
23432	16.8328	RL	1
23433	16.8328	RL	1
23434	16.8328	RL	1
23435	16.8328	RL	1
23436	16.8328	RL	1
23437-1	16.8328	RL	1
23437-2	15.8875	RL	1
23437	16.8328	RL	1
23438-1	77.5814	RL	1
23438	11.5116	RL	1
23439-1	16.2392	RL	1
23439-2	98.0500	RL	1
23439-3	115.3492	RL	1
23439	16.2392	RL	1
2344	1.8020	EA	10
23440-1	115.3492	RL	1
23440	16.2392	RL	1
23441	16.2392	RL	1
23442-1	115.3492	RL	1
23442	16.2392	RL	1
23443-2	16.0112	RL	1
23443	16.2392	RL	1
23444-1	115.3492	RL	1
23444	16.2392	RL	1
23445	115.3492	RL	1
23446	17.1402	RL	1
23447-1	184.9064	RL	1
23447	23.2352	RL	1
23448-1	184.9064	RL	1
23448	23.2352	RL	1
23449-1	184.9064	RL	1
23449	23.2352	RL	1
2345	2.2578	EA	10
23450-1	184.9064	RL	1
23450	23.2352	RL	1
23451-1	184.9064	RL	1
23451	23.2352	RL	1
23452-1	184.9064	RL	1
23452	23.2352	RL	1
23453-1	184.9064	RL	1
23453	23.2352	RL	1
23454-1	87.2578	RL	1
23454	21.9286	RL	1
23459-1	24.0302	RL	1
23459	24.0302	RL	1
23460	24.0302	RL	1
23462-1	30.3372	RL	1
23462-2	30.3372	RL	1
23462-3	30.3372	RL	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES -- Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
23462	30.3372	RL	1
23463	30.3372	RL	1
23464	30.3372	RL	1
23465	30.3372	RL	1
23466	35.7326	RL	1
23467-1	35.3616	RL	1
23467	35.3616	RL	1
23468-1	43.4706	RL	1
23468-2	43.4706	RL	1
23468-3	43.4706	RL	1
23468	43.4706	RL	1
23469	43.4706	RL	1
23470	43.4706	RL	1
23471	43.4706	RL	1
23472	56.5510	RL	1
23473	55.9786	RL	1
23474	10.0353	EA	1
23476	35.6160	RL	1
23477	32.3724	ST	1
23478-1	17.7338	EA	1
23478-2	10.0353	EA	1
23478-3	17.7338	EA	1
23478-4	10.0353	EA	1
23478-5	10.0353	EA	1
23478	17.7338	EA	1
23480	16.9797	RL	1
23481	39.9180	RL	1
23482	45.7814	RL	1
23484	29.7144	RL	1
23486	44.6154	RL	1
23487-1	30.4008	EA	1
23487	34.2763	RL	1
23488-5	28.1430	RL	1
23488	43.6890	RL	1
23489-1	40.7570	RL	1
23489-2	22.5144	RL	1
23489-3	26.5307	RL	1
23490	56.8737	RL	1
23491	39.1144	RL	1
23492	176.6702	RL	1
23494	77.1057	RL	1
23495	205.3644	RL	1
23497	81.0688	RL	1
234A	0.1927	EA	100
235-100	1.0457	EA	5
235-125	1.0457	EA	5
235-200	1.0457	EA	5
235-250	0.8374	EA	5
235-300	1.0457	EA	5
235-400	1.0457	EA	5
235-500	0.8374	EA	5
235-600	0.7933	EA	5
235-700	0.7933	EA	5
235-800	0.7933	EA	5
235	4.1400	EA	5
23500	3.4105	EA	2
235001	0.8374	EA	5
235002	0.8374	EA	5
235003	0.8374	EA	5
235004	0.8374	EA	5
235005	0.8374	EA	5
235006	0.7933	EA	5
23501-6	0.7933	EA	5
23501	3.4105	EA	2
23502-1	1.0004	EA	10
23502-2	1.0004	EA	10
23502-5	0.7933	EA	5
23502	2.1077	EA	10
23503	1.5370	EA	10
23504-1	0.4505	EA	50
23504	1.0201	EA	10
23505-1	0.4505	EA	50
23505	1.0201	EA	10
23508	2.5792	EA	2
23509-1	2.3079	EA	10
23509	2.5792	EA	2
2351-25	0.7933	EA	5
23512-1	0.5715	EA	50
23512-2	0.5715	EA	50
23512	0.6735	EA	10
23513	1.5386	EA	10
23514	1.5386	EA	10
23516	11.1309	EA	5
23517	11.4480	EA	5
23525-1N	6.5721	EA	5
23526-1N	6.5501	EA	5
23526-1P	6.5501	EA	5
23526-2N	7.8909	EA	5
23526-2P	7.8909	EA	5
23526-3N	7.8909	EA	5
23526-3P	7.8909	EA	5
23527-1	3.9736	EA	10
23528-1	2.0140	EA	10
23528-2	4.2415	EA	10
23528	3.9736	EA	10
23529	5.4291	EA	10
23530-1	3.9736	EA	5
23530	3.9736	EA	10
23531	5.0900	EA	10
23533-1	1.7172	EA	10
23534-1	2.0035	EA	10
23534	1.5477	EA	10
23535	1.9717	EA	10
23536	2.0671	EA	10
23538	0.4961	EA	20
23539-R	21.6246	RL	1
23539	0.5306	EA	20
23540-R	32.9669	RL	1
23540	1.7172	EA	20
23541-R	37.1010	RL	1
23541	1.5900	EA	20
23542-R	36.3802	RL	1
23542	1.0176	EA	20
23543-R	62.6672	RL	1
23543	1.0706	EA	10
23544-R	70.7039	RL	1
23544	1.1279	EA	10
23545	1.3356	EA	5
23546	1.8974	EA	5
23547	2.2896	EA	5
23548	2.6606	EA	5
23549-4	27.2427	EA	1
23549	3.4768	EA	2
2355-2	79.0581	EA	1
2355-4	41.7749	EA	1
23550-4	27.0307	EA	1
23550	3.6570	EA	2
23551-1	3.7842	EA	2
23551-4	19.7006	EA	1
23551	3.8054	EA	2
23552-1	4.3354	EA	2
23552-4	24.4124	EA	1
23552	4.3778	EA	2
23553-4	31.2390	EA	1
23553	7.8758	EA	2
23554-1	1.0981	EA	5
23554	1.0981	EA	5
23555-1	1.2084	EA	5
23555	1.2084	EA	5
23556-4	38.8818	EA	1
23556	11.1833	EA	1
23558-D	0.0990	EA	1000
23558	0.2169	EA	100
23559-D	0.1288	EA	1000
23559	0.2850	EA	100
23560	0.1019	EA	100
23561	0.1116	EA	100
23562-D	0.0753	EA	1000
23562	0.1187	EA	100
23563	0.1582	EA	100
23564-1	0.6512	EA	50
23564	0.2080	EA	100
23566	164.1304	EA	1
23567	2.4274	EA	25
23568-1	5.6816	EA	1
23568-11/2	6.8688	EA	1
2357	66.8499	EA	1
23570	14.4047	EA	1
23571	14.4047	EA	1
23572	8.0454	EA	1
23573	20.3852	EA	1
23574	30.8672	EA	1
23575-D	0.1962	EA	500
23575	0.2285	EA	50
23576-D	0.2568	EA	500
23576	0.2996	EA	50
23577	0.5164	EA	50
23578	1.0164	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
23579	51.1233	EA	1
23580	0.1654	EA	50
23581	0.2195	EA	50
23582	0.5071	EA	50
23583	23.7997	EA	1
23587	0.2929	EA	50
23588	0.3712	EA	50
23589	0.8843	EA	50
23590	1.1024	EA	20
23591	1.1448	EA	20
23593	1.3992	EA	10
23594	1.4522	EA	10
23595	3.3089	EA	10
23596	3.9937	EA	8
23597	41.0217	BX	1
23598	71.5856	EA	1
235A	0.1946	EA	100
236	4.5920	EA	5
23600	13.8754	PR	1
23601-500	16.3770	EA	1
23601-800	26.9558	EA	1
23601	1.7015	PR	5
23602	1.2347	EA	10
23603	0.7314	EA	10
23604	70.8504	BX	1
23605	19.1746	EA	1
23606	19.9441	EA	1
23614-2	37.0576	EA	1
23615-R	29.8793	EA	1
23615	0.5936	EA	10
23616-R	21.5392	RL	1
23616	0.6042	EA	10
23617-R	21.9102	RL	1
23617	0.6254	EA	10
23618-R	31.3972	RL	1
23618	0.7844	EA	10
23619-R	40.8312	RL	1
23619	0.8374	EA	10
23620-R	51.1768	RL	1
23620	0.8904	EA	10
23621-R	55.4486	RL	1
23621	1.0176	EA	10
23622-R	57.8525	EA	1
23622	1.1236	EA	5
23623-R	82.7436	RL	1
23623	1.1236	EA	5
23624-R	117.2466	RL	1
23624	1.2296	EA	5
23625-R	175.2574	EA	1
23625	3.3997	EA	2
23626-R	217.9127	EA	1
23626	4.0281	EA	2
23627-R	525.2571	EA	1
23627	4.1739	EA	2
23628-R	659.4048	EA	1
23628	6.3602	EA	2
23630-4	6.6612	EA	2
23630	1.6112	EA	5
23631-4	8.2152	EA	2
23631	1.7808	EA	5
23632-4	10.6848	EA	2
23632	2.2154	EA	5
23633-4	13.4938	EA	2
23633	3.0210	EA	5
23634-4	15.7410	EA	2
23634	3.5828	EA	5
23635-4	16.8545	EA	1
23635	3.7206	EA	2
23636-4	24.3594	EA	1
23636	4.5898	EA	2
23637-B	1.7554	EA	5
23637-R	1.7554	EA	5
23638-B	2.7094	EA	5
23638-R	2.7094	EA	5
23639-B	4.4267	EA	5
23639-R	4.4267	EA	5
236799	1.3968	EA	2
23680	76.0338	EA	1
23681	0.3143	EA	50
23682	0.5985	EA	50
236A	0.1790	EA	100
237	0.2107	EA	100
2370	31.7419	EA	1
23700	0.4561	EA	10
23701	0.4561	EA	10
23702	0.7400	EA	10
23703	0.6356	EA	10
23705	0.6648	EA	10
23706	0.6648	EA	10
23707	0.8234	EA	5
23708	0.8234	EA	5
23709	1.1000	EA	5
2371	31.7419	EA	1
23710	1.1000	EA	5
2372	24.1828	EA	1
23720-10-10	54.4733	EA	2
23720-12-12	62.5774	EA	1
23720-16-16	96.2620	EA	1
23720-4-4	27.5538	EA	2
23720-5-5	39.6041	EA	2
23720-6-6	47.1444	EA	2
23720-8-8	43.5505	EA	2
23723	85.6056	EA	1
2373	56.6358	EA	1
2374	55.4434	EA	1
2375	39.7394	EA	1
23750	0.6173	EA	25
23751	0.6827	EA	25
23752	0.6827	EA	25
23753	0.6827	EA	25
23756	0.6827	EA	25
23757	0.6827	EA	25
23758	0.6827	EA	25
23759	0.6827	EA	25
2376-1	119.2082	EA	1
23760	0.6827	EA	25
23761	0.6827	EA	25
23762	0.6827	EA	25
23763	0.6827	EA	25
23764	0.6827	EA	25
23765	0.6827	EA	25
23766	0.6827	EA	25
23767	0.6827	EA	25
23768	0.6827	EA	25
23769	0.6827	EA	25
2377	128.7052	EA	1
23770	0.6827	EA	25
23771	0.6827	EA	25
23772	0.7232	EA	25
23773	0.6827	EA	25
23774	0.6827	EA	25
23775	0.6827	EA	25
23776	0.6827	EA	25
2378	39.7394	EA	1
2379-1	50.8164	EA	1
2379	190.1746	EA	1
238	0.2135	EA	100
2380	37.2040	EA	1
23801	1.1025	EA	10
23802	2.5972	EA	10
23804	0.6913	EA	25
23805	0.6913	EA	25
23807	0.8828	EA	25
23808	1.0100	EA	25
2381	30.7909	EA	1
23810	2.3742	EA	5
23811	2.3742	EA	5
23815	28.1112	EA	1
23816	25.3347	EA	1
23817	5.5651	EA	1
2382-1	39.7818	EA	1
2382-2	27.1529	EA	1
2382	0.1640	EA	100
23820	51.4574	EA	1
23821	0.6749	EA	25
23822	0.6878	EA	25
23823-1	0.4823	EA	25
23823-2	0.4546	EA	25
23823	0.6749	EA	25
23824	0.6749	EA	25
23825	0.6749	EA	25
23826	0.6749	EA	25
23827	0.6749	EA	25
23828-1	0.4823	EA	25
23828	0.4823	EA	25
23829-1	0.5933	EA	25
23829-2	0.7186	EA	25
23829	0.7186	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
2382A	193.0154	EA	1
2383	4.2188	EA	5
23830	0.8101	EA	25
23831	0.6294	EA	25
23832	0.6549	EA	25
23833	0.8101	EA	25
23834	0.4467	EA	25
23835	0.4467	EA	25
23836	0.4467	EA	25
23837	0.4669	EA	25
23838	0.4669	EA	25
23839	0.4669	EA	25
23840-1	0.6143	EA	25
23840	0.5790	EA	25
23841-1	0.5790	EA	25
23841	0.8933	EA	25
23844	0.7186	EA	25
23845-N	0.8929	EA	25
23845	0.6861	EA	25
23846-N	0.8929	EA	25
23846-S	1.0040	EA	25
23846	0.7186	EA	25
23847-N	1.1849	EA	25
23847-S	1.1168	EA	25
23847	0.8306	EA	25
23848-1	0.7232	EA	25
23848	0.6430	EA	25
23849-1	0.7186	EA	25
23849	0.7186	EA	25
23850-1	0.7232	EA	25
23850	0.7671	EA	25
23851	0.6430	EA	25
23852	0.6749	EA	25
23853	0.7671	EA	25
23854	1.9392	EA	10
23855	1.9847	EA	10
23856	2.4366	EA	10
23857	0.4459	EA	25
2386	0.9987	EA	20
23860	0.9588	EA	10
23861	1.1218	EA	10
23862	1.1371	EA	10
23863	1.2082	EA	10
23864	1.2843	EA	10
2387	1.7073	EA	20
2388	1.1885	EA	20
2389	1.8992	EA	20
239	0.2135	EA	100
2390	3.4026	EA	10
23901	14.1582	EA	1
23902	24.9729	EA	1
23904	53.5673	EA	1
2391-4	11.2099	EA	10
2391	4.3460	EA	10
23911	0.1677	EA	100
23916	0.2633	EA	100
23917	1.0494	EA	10
23919	0.6664	EA	25
23920	0.4837	EA	25
23921-M	0.0540	EA	1000
23921-X	0.1237	EA	100
23921-XM	0.1222	EA	1000
23921	0.1325	EA	100
23922-M	0.1009	EA	1000
23922-X	0.1473	EA	100
23922-XM	0.1105	EA	1000
23922	0.1199	EA	100
23923-M	0.1469	EA	1000
23923-X	0.2026	EA	100
23923-XM	0.1469	EA	1000
23923	0.2026	EA	100
23924-X	0.2939	EA	100
23924	0.2879	EA	100
23925-X	0.3335	EA	25
23925	0.3355	EA	25
23926-M	0.2228	EA	1000
23926-X	0.4127	EA	50
23926-XM	0.3492	EA	1000
23926	0.2653	EA	50
23927-M	0.4681	EA	500
23927-X	0.5580	EA	50
23927	0.6061	EA	50
23928-X	0.3479	EA	25
23928	0.3479	EA	25
23929-X	0.8406	EA	25
23929	0.8203	EA	25
23932-M	0.1218	EA	1000
23932-X	0.3486	EA	25
23932-XM	0.2052	EA	1000
23932	0.2418	EA	25
23934	0.1199	EA	50
23935-X	0.5733	EA	25
23935	0.5733	EA	25
23940	2.0927	EA	1
23943	0.3645	EA	25
23950	1.0766	EA	10
23951-X	0.8759	EA	10
23952-X	2.0515	EA	5
23953-1	0.6809	BG	25
23953-2	1.0063	EA	50
23953-3	2.1057	BG	50
23953-5	0.5034	BG	25
23953	27.2364	RL	1
23954-X	0.1349	EA	100
23954	0.1199	EA	100
23955-X	0.2064	EA	100
23955	0.1891	EA	100
23956-X	0.1611	EA	100
23956	0.1312	EA	100
23957-X	0.3464	EA	100
23957	0.2228	EA	100
2397	14.5927	EA	2
23970-1	6.2967	EA	5
23970	7.3564	EA	5
23971	10.9567	EA	5
23972	17.0130	EA	2
23973	18.1198	EA	2
23974	20.8798	EA	2
2398	10.6844	EA	2
23985	0.6356	EA	25
23986-1	6.6402	EA	1
23986-2	11.7587	EA	1
23986-3	14.6990	EA	1
23986-4	17.4289	EA	1
23987-L	8.1596	EA	1
23987-M	8.1596	EA	1
23987-XL	8.1596	EA	1
23988-L	17.1674	EA	1
23988-M	17.1674	EA	1
23988-XL	18.1563	EA	1
23989-L	26.0937	EA	1
23989-M	26.0937	EA	1
23989-XL	26.0937	EA	1
23990-L	20.6945	EA	1
23990-M	21.1015	EA	1
23990-S	20.5588	EA	1
23990-XL	21.1015	EA	1
23992-XL	4.3411	PR	1
23993-L	7.1324	EA	1
23993-XL	7.1324	EA	1
23994-80	174.4844	CS	1
23994	2.2696	EA	1
23995	1.5376	PR	1
23996	1.5045	PR	1
23997	1.9242	PR	1
23999-24	144.6123	CS	1
23999	6.1589	PR	1
24	1.4443	EA	25
240	0.2145	EA	100
24000-24	180.8286	CS	1
24000	6.1589	PR	1
24001-24	177.8148	CS	1
24001	6.2186	PR	1
24003	7.5757	EA	1
24006	7.1868	EA	1
24008	7.3988	EA	1
24012	10.1018	EA	1
24013	14.5008	EA	1
240200-1	14.3832	EA	1
240200	11.9729	EA	10
24024	6.7528	EA	2
24025	3.5086	EA	2
24027	4.7542	EA	5
24029	16.4505	EA	1
240300	6.3140	EA	10
240310-1	7.5977	EA	1
24032-2	10.5258	EA	1
24032-21/2	11.1724	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
24032-21/4.....	10.9498	EA	1
24032-23/4.....	11.2996	EA	1
24032-3.....	11.6494	EA	1
24032-31/2.....	11.8932	EA	1
24032-4.....	12.2854	EA	1
24032-41/2.....	9.1970	EA	1
24032-5.....	12.9956	EA	1
24036-2.....	9.3894	EA	1
24036-21/2.....	11.1724	EA	1
24036-21/4.....	9.4993	EA	1
24036-23/4.....	9.7191	EA	1
24036-3.....	11.6494	EA	1
24036-31/2.....	11.8932	EA	1
24036-4.....	12.2854	EA	1
24036-41/2.....	10.4609	EA	1
24036-5.....	12.9956	EA	1
24036-6.....	13.5362	EA	1
2404.....	9.6036	EA	1
24044.....	1.0752	EA	10
24045.....	1.2546	EA	10
24046.....	1.5523	EA	10
24047.....	1.1737	EA	10
24048.....	4.3316	EA	10
24049-1.....	1.0906	EA	10
24049-1/2.....	0.7335	EA	10
24049-1/4.....	0.6315	EA	10
24049-1316.....	0.8997	EA	10
24049-1516.....	1.2497	EA	10
24049-1932.....	0.7322	EA	10
24049-3/4.....	0.8963	EA	10
24049-3/8.....	0.6926	EA	10
24049-5/16.....	0.6519	EA	10
24049-5/8.....	0.8354	EA	10
24049-7/16.....	0.6738	EA	10
24049-7/8.....	0.8934	EA	10
24049-9/16.....	0.6936	EA	10
24049.....	35.1814	EA	1
24052.....	0.5639	EA	10
24053.....	0.6290	EA	10
24054.....	1.1372	EA	10
24057.....	386.4771	EA	1
24058.....	101.3639	EA	1
24059.....	25.7528	EA	1
2406.....	10.5682	EA	1
24060.....	0.6254	EA	10
24061.....	0.6360	EA	10
24062.....	0.6678	EA	10
24063.....	0.6678	EA	10
24064.....	0.6678	EA	10
24065.....	0.6996	EA	10
24066.....	0.6572	EA	10
24067.....	0.7950	EA	10
24068.....	0.8162	EA	10
24069.....	0.7950	EA	10
24070.....	0.9858	EA	10
24071.....	1.0706	EA	10
24072.....	1.1024	EA	10
24073.....	1.0947	EA	10
24083.....	1.4631	EA	10
24084.....	1.5612	EA	10
24085.....	1.8156	EA	10
24087.....	2.1546	EA	10
24088.....	2.2616	EA	10
24089.....	2.9760	EA	10
24091.....	3.4776	EA	10
241.....	0.2184	EA	100
2410.....	28.4822	EA	1
24101.....	4.4985	EA	10
24102.....	4.6750	EA	10
24103.....	4.7645	EA	10
24104.....	4.9129	EA	10
24105.....	5.2084	EA	10
24106.....	5.4908	EA	10
24107.....	0.6101	EA	10
24108.....	0.4734	EA	10
24109.....	0.6102	EA	10
24110.....	0.4489	EA	10
24111.....	0.5241	EA	10
24112.....	0.6101	EA	10
24113.....	0.5931	EA	10
24114.....	0.6222	EA	10
24115.....	0.6335	EA	10
24116.....	0.6335	EA	10
24117.....	0.6444	EA	10
24118.....	0.6444	EA	10
24119.....	0.6670	EA	10
24120.....	0.7414	EA	10
24121.....	0.5794	EA	10
24122.....	0.6095	EA	10
24123.....	0.6524	EA	10
24124.....	0.6524	EA	10
24125.....	0.6547	EA	10
24127-1.....	0.6792	EA	10
24127-3.....	0.7864	EA	10
24127-6.....	1.0126	EA	10
24127-7.....	0.7943	EA	10
24127-8.....	0.8276	EA	10
24127.....	0.6603	EA	10
24128-6.....	0.3428	EA	10
24128.....	0.3242	EA	10
24129.....	0.5258	EA	10
24130.....	0.5849	EA	10
24131.....	0.6079	EA	10
24132.....	0.6594	EA	10
24133.....	0.7284	EA	10
24134.....	0.5358	EA	10
24135.....	0.5152	EA	10
24136.....	0.5739	EA	10
24137.....	0.6165	EA	10
24138-1.....	1.0269	EA	10
24138.....	0.6749	EA	10
24139-1.....	1.0740	EA	10
24139.....	0.9970	EA	10
24140-1.....	1.1115	EA	10
24140.....	1.0427	EA	10
24141-1.....	1.2119	EA	10
24141.....	1.0791	EA	10
24142-1.....	1.4058	EA	10
24142.....	1.2144	EA	10
24143-1.....	1.4546	EA	10
24143.....	1.3992	EA	10
24144.....	0.6513	EA	10
24145.....	0.6558	EA	10
24146-1.....	0.8926	EA	10
24146.....	0.8790	EA	10
24147-1.....	0.9026	EA	10
24147.....	0.9314	EA	10
24148-1.....	0.9387	EA	10
24148.....	0.9026	EA	10
24149-1.....	0.9593	EA	10
24149.....	0.9534	EA	10
24150-1.....	1.1221	EA	10
24150.....	1.0422	EA	10
24151-1.....	1.2024	EA	10
24151.....	1.1221	EA	10
24154.....	0.6890	EA	25
24155.....	0.6996	EA	25
24157-1.....	1.4955	EA	10
24157.....	1.4193	EA	10
24158-1.....	1.9504	EA	10
24158.....	1.8126	EA	10
24159-1.....	1.6848	EA	10
24159.....	1.6013	EA	10
24160-1.....	1.7546	EA	10
24160.....	1.7275	EA	10
24164.....	0.8743	EA	25
24165.....	1.1825	EA	10
24166-1.....	9.0741	EA	10
24166.....	5.2267	EA	10
24167.....	9.9774	EA	10
24168.....	10.1473	EA	10
24169.....	10.2352	EA	10
2417.....	0.9716	EA	10
24170.....	10.3771	EA	10
24171.....	10.4915	EA	10
24172-1.....	23.2140	KT	1
24172-2.....	44.5552	EA	1
24172.....	20.6044	EA	1
2418.....	2.0246	EA	10
24191.....	10.6623	EA	10
24192.....	11.0056	EA	10
24193.....	11.1480	EA	10
24194.....	11.2685	BX	10
24195.....	11.4053	EA	10
24196.....	11.8629	EA	10
24197.....	11.9763	EA	10
24198.....	12.1187	EA	10
24199.....	12.2356	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
2420	9.0312	EA	1
24200	5.4978	EA	1
24206	20.1718	CD	1
24209	23.9086	CD	1
2421	15.9834	EA	1
24211N	30.4251	BX	1
24213	22.4402	CD	1
24219	26.5825	CD	1
24220N	56.5722	BX	1
24221N	94.2658	BX	1
24222N	153.5940	BX	1
24223-2	38.9813	BX	1
24223-3	75.8805	BX	1
24223-5	75.0665	BX	1
24223-6	98.1285	BX	1
24223-7	54.7177	BX	1
24226	16.9112	BX	1
24228	42.1522	BX	1
24230	85.3194	EA	1
24232-200	32.1886	BX	1
24233-100	19.0152	BX	1
24234-100	12.1004	BX	1
2425	16.1062	EA	1
24251	26.0760	EA	1
24252-M	27.3516	EA	1
24252	14.2184	EA	1
24253	14.2184	EA	1
24256-1	13.5786	EA	1
24258	13.5468	KT	1
24260	0.2657	EA	24
24261	0.3555	EA	24
24262	1.2054	EA	10
24263	2.5440	EA	10
2427-R	7.2941	EA	10
24271	13.3637	EA	1
24275	15.9954	EA	1
2428-L	2.6750	EA	25
2428-R	2.8446	EA	25
24280	84.2738	EA	1
24281	87.7116	EA	1
24282	50.0850	EA	1
24283	251.4426	EA	1
24288-1	21.5347	EA	1
24288-2	21.5347	EA	1
24288-3	2.9059	EA	1
24288-4	2.9059	EA	1
24288-5	2.9059	EA	1
24288-7	2.9059	EA	1
24288-8	2.9059	EA	1
2429-L	2.9682	EA	25
2429-R	2.9498	EA	25
24290-1	16.7374	EA	1
24290-3	2.9059	EA	1
24290-4	2.9059	EA	1
24290-6	2.9059	EA	1
24290-7	2.9059	EA	1
24290	16.7374	EA	1
24292	68.2293	EA	1
24293	25.5511	EA	1
24294N	5.7992	EA	1
24295	61.5007	EA	1
24298	7.4577	BX	1
24299	116.7450	BX	1
243	1.8880	EA	5
2430-L	2.8726	EA	25
2430-R	2.8726	EA	25
24300-50	44.0640	BX	1
24300	12.7498	EA	1
24301	10.3849	BX	1
24302-100	14.0460	BX	1
24303-100	14.1264	BX	1
24304-10	14.3673	BX	1
24305-100	11.3151	BX	1
24305N	2.4796	BX	1
24306	7.1637	BX	2
24307	7.1243	EA	1
24308	9.0961	BX	2
24309	16.3195	BX	1
2431-L	2.8196	EA	10
2431-R	2.8196	EA	10
24310-10	15.4989	BX	1
24313	9.9915	BX	2
24314-100	8.5673	EA	1
24314	5.0342	EA	1
24315-5	8.7270	BX	1
24316	14.9575	BX	2
24317	9.2427	BX	2
24318-12	9.9920	BX	1
24318	11.5884	EA	1
24319-2	9.9531	BX	1
24319-5	9.7003	BX	1
24320	36.0797	EA	1
24321	18.2765	EA	1
24322	6.6245	BX	1
24323-50	25.2486	BX	1
24323	7.1647	BX	1
24325-100	10.5520	BX	1
24325	2.7205	BX	1
24326-50	14.3673	BX	1
24326	3.5639	BX	1
24327-50	12.7207	BX	1
24327	4.5908	BX	1
24328-100	28.7462	BX	1
24328	4.3108	BX	1
2433-L	2.7381	EA	25
2433-R	3.8450	EA	25
24330	6.0315	EA	1
24335	7.5216	BX	1
24336	13.6452	BX	1
24338	4.2071	BX	1
24339	5.2708	BX	1
24340	3.9067	BX	1
24342	3.1653	EA	1
24344	44.1981	KT	1
24345-3	88.6764	EA	1
24345	50.7782	EA	1
24347	14.8099	KT	1
24348	19.4501	KT	1
24349	33.5874	KT	1
2435	15.3260	EA	2
24350	69.1318	EA	1
24351	97.8704	EA	1
24352	181.5807	EA	1
24354	282.0267	KT	1
24355	153.8319	KT	1
24356	236.6760	KT	1
24357	103.1294	KT	1
24358	46.5801	KT	1
24360	11.4982	BX	1
24361	6.8523	BX	4
24362-5	5.0724	BX	1
24362	2.9607	BX	2
24363-100	13.3764	BX	1
24363N	3.5814	BX	1
24364	9.6393	BX	2
24365	5.2193	PR	1
24366	2.8422	BX	1
24368-4	68.1810	CS	1
24368	8.2014	BX	1
24369	7.2691	BX	4
24376	11.1646	BX	1
24378	3.0057	PR	1
24379	6.1310	PR	12
24380	2.6288	EA	12
24380S	2.6288	PR	12
24381	1.1130	PR	12
24381S	0.8318	PR	12
24382	25.7681	PR	1
24384	28.1479	EA	1
24385	81.3315	PR	1
24387	2.5338	PR	12
24388	2.5338	PR	12
24389	2.5745	PR	12
2439	9.7520	EA	5
24392	2.7509	PR	12
24398	0.5966	PR	12
24398S	0.7912	PR	12
244	1.7640	EA	5
2440	10.0700	EA	5
24400-1	12.9956	EA	1
24400	83.3054	EA	1
24402	98.2938	EA	1
24403	22.1010	EA	1
24404	29.3196	EA	1
24405	38.1812	EA	1
24407	25.4718	EA	1
24409	15.1151	EA	1
2441	10.3244	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
24410	20.4898	EA	1
2442	10.6318	EA	5
24421	3.3402	PR	1
24422	3.4037	PR	1
24425N	23.3602	RL	1
24427	54.7190	EA	1
24428	7.1161	PR	1
24428S	6.5792	PR	12
24429	12.9348	PR	1
2443	11.2996	EA	5
24435	415.8970	EA	1
24436	49.8206	EA	1
24437	19.9905	EA	1
24438	44.1530	EA	1
2444	18.4122	EA	5
24440	4.9608	EA	1
24446	48.7413	EA	1
24447	293.0898	EA	1
24465	48.1218	EA	1
24466	354.9346	EA	1
24482	13.7488	EA	1
245-90	41.0279	EA	1
245	2.1720	EA	5
2451	8.4694	EA	5
2452	8.2256	EA	5
2453	8.9464	EA	5
2455	14.6174	EA	5
2456	8.3210	EA	5
2457	9.5612	EA	5
2458	9.9534	EA	5
2459	16.7268	EA	5
246	2.6240	EA	5
24620	6.2752	EA	6
24621	6.2752	EA	6
24622	6.2752	EA	6
24623	6.2752	EA	6
24624	7.8150	EA	6
24625	6.4024	EA	6
24626	6.2752	EA	6
24627	6.2752	EA	6
24628	6.2752	EA	6
24629	6.2752	EA	6
24630	6.2752	EA	6
24631	6.2752	EA	6
24632	6.2752	EA	6
24633	8.2022	EA	6
24634	8.6246	EA	6
24635	6.4024	EA	6
24636	8.6246	EA	6
24637	6.2752	EA	6
24638	6.2752	EA	6
24640	6.2752	EA	6
24643	8.1670	EA	6
24644	8.0262	EA	6
24645	7.0405	EA	6
24646	6.1692	EA	6
24647	6.4236	EA	6
24648	8.9063	EA	6
24650	3.0989	EA	6
24651	3.0223	EA	6
24652	3.0989	EA	6
24654	3.0989	EA	6
24655	3.0989	EA	6
24656	3.0989	EA	6
24657	3.0989	EA	6
24658	3.0989	EA	6
24659	3.0989	EA	6
24661	3.0989	EA	6
2467	5.9254	EA	5
24674	0.0532	EA	100
2468	25.2058	EA	1
24681	8.2022	EA	6
24683	6.1253	EA	6
24684	6.5125	EA	6
24685	3.8584	EA	6
2469	19.1163	EA	1
24690	6.6356	EA	6
24691	10.4200	EA	6
24692	9.2231	EA	6
24693	7.6038	EA	6
247	4.0200	EA	5
2470	7.4626	EA	4
24700-1	4.1128	EA	6
24700	4.1128	EA	6
24701	6.3365	EA	6
24702	3.2966	EA	6
24703	3.2966	EA	6
24704	3.2966	EA	6
24705	4.1128	EA	6
24706	4.1128	EA	6
24707	4.1128	EA	6
24708	4.1128	EA	6
24709	5.0692	EA	6
2471	5.2189	EA	5
24710	6.1957	EA	6
24711	3.2966	EA	6
24712	3.2966	EA	6
24714	3.2966	EA	6
24715	3.2966	EA	12
24716	4.8124	EA	6
24717	5.3156	EA	6
24718	5.6324	EA	6
24719	3.2966	EA	6
2472	1.1752	EA	10
24720	5.0692	EA	6
24721	3.2966	EA	6
24722	6.6356	EA	6
24723	4.6115	EA	6
24724	4.1128	EA	6
24725	3.2966	EA	6
24726	3.8584	EA	6
24732	7.2866	EA	6
24734	7.4626	EA	6
24735	4.2188	EA	6
24736	3.2966	EA	6
24740	6.7941	EA	6
24741	5.9140	EA	6
24742	5.6324	EA	6
24743	10.0327	EA	6
24744	6.9698	EA	6
24747	3.2966	EA	6
24749	6.4773	EA	6
2475	1.3098	EA	5
24750	3.2966	EA	6
24751	6.3717	EA	6
24756	5.9140	EA	6
24757	3.9432	EA	6
24759	6.1605	EA	6
2476	1.0844	EA	10
24760	3.2966	EA	6
24763	6.1253	EA	6
2477	17.0233	KT	1
2478	17.4897	KT	1
24789	8.4482	EA	6
2479	35.8122	KT	1
2480	58.2570	EA	1
24801	9.3991	EA	6
24802	4.0835	EA	6
24810	4.5580	EA	6
24811	4.5580	EA	6
24812	4.5580	EA	6
24813	5.9140	EA	6
24814	4.5580	EA	6
24815	5.7028	EA	6
24816	6.1605	EA	6
248166	6.8200	EA	1
24817	7.9206	EA	6
24818	6.2587	EA	6
24819	4.5580	EA	6
2482	79.2199	EA	1
24820	4.5580	EA	6
24821	4.5580	EA	6
24822	4.9284	EA	6
2483-1	37.5595	EA	1
2483	36.5754	EA	1
24838	4.1027	EA	6
2484	63.2207	EA	1
24840	27.2535	EA	1
24841	35.9370	EA	1
24842	81.3974	EA	1
24843	57.7806	EA	1
24844	86.0862	EA	1
24850	9.1478	EA	2
24852	78.2810	EA	1
24854	12.2748	EA	1
24855	25.6380	EA	1
24857	20.1612	EA	1
24858	3.6833	EA	12

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
24861	15.4855	EA	1
24863-1	6.3341	EA	1
24863-2	8.9194	EA	1
24863-3	6.3341	EA	1
24863	18.8482	EA	1
24864	9.7813	EA	1
24868-2	5.9504	EA	1
24868-3	7.2940	EA	1
24868	13.2587	EA	1
24869-1	15.8398	EA	1
24869	29.2656	EA	1
2487-1	43.3394	EA	1
24871	39.4654	EA	1
24875	98.7163	EA	1
24876	108.0730	EA	1
24877	57.1167	EA	1
24878	61.9167	EA	1
24879-L	35.0542	EA	1
24879-M	35.0542	EA	1
24879-XL	35.0542	EA	1
24879-XXL	7.6598	EA	1
2488-1	3.3781	KT	1
24880-L	68.3640	EA	1
24880-M	68.3640	EA	1
24880-XL	68.3640	EA	1
24880-XXL	8.5063	EA	1
24886-E	4.5782	EA	1
24886-H	7.8578	EA	1
24886-L	12.2834	EA	1
24886-M	11.5935	EA	1
24886	5.0932	EA	1
24887-B	7.9488	EA	1
24887-R	7.9488	EA	1
24887-W	8.6062	EA	1
24888-B	16.9229	EA	1
24888-W	15.2110	EA	1
24888-Y	15.2110	EA	1
24889-B	21.1744	EA	1
24889-W	21.1744	EA	1
24889-Y	20.5170	EA	1
2489	0.3735	EA	25
24890	0.5709	EA	25
24891	0.6028	EA	25
24892	0.6470	EA	25
24893	145.9780	EA	1
24894-L	188.2623	EA	1
24894-M	188.2623	EA	1
24894	158.8259	EA	1
24896	125.0522	EA	1
24899-1	96.3990	EA	1
24899	89.9080	EA	1
2490	5.6498	EA	25
24900	7.0103	EA	1
24902	11.5781	LB	5
24903	11.5781	LB	10
24905	11.1742	LB	5
249054	0.2589	EA	250
24906	11.1742	LB	10
2491-1	1.3882	EA	10
2491	8.8192	EA	1
24910	16.7613	LB	5
24916	17.7373	LB	5
24919	16.7613	LB	5
2492	6.5826	EA	1
24921	11.0950	EA	1
24922	3.6252	PR	1
24927	15.7314	PR	1
24928	16.1693	PR	1
2493	6.5826	EA	5
2494	0.7272	EA	10
24943N	31.1640	BX	1
24953-L	19.4138	EA	1
24953-M	19.4138	EA	1
24953-S	19.4138	EA	1
24954	16.6350	BX	1
24955	8.8254	BX	2
24956	17.4008	BX	2
24958-L	56.7919	EA	1
24958-M	56.7919	EA	1
24958-S	56.7919	EA	1
24962-1	29.4412	RL	1
24962-R	54.2802	LB	1
24962	54.1792	LB	1
24964-R	5.5447	EA	1
24964	5.5447	EA	1
24974	20.4972	LB	2
24976	10.5010	EA	1
24977	24.9736	LB	2
24980	5.9289	EA	6
24982	5.9289	EA	6
2499-5	6.6445	EA	5
249921	3.6144	EA	1
25	7.4339	EA	2
250	2.5440	EA	5
25003	20.5982	LB	5
25004	19.8577	LB	5
250101	3.4990	EA	1
250102	3.4990	EA	1
250103	3.4990	EA	1
250104	5.7662	EA	1
250105	6.9592	EA	1
250106	6.5475	EA	1
250107	22.5857	EA	1
25011	4.5763	EA	6
250130	2.5056	EA	1
25016	5.5268	EA	6
25017	5.5268	EA	6
25018	5.8084	EA	6
25019	6.0900	EA	6
25024-12	3.3072	EA	12
2503	1.6479	EA	25
2504	1.8889	EA	25
2505-1	1.2673	EA	25
2505-3	1.0930	EA	25
2505-4	1.2673	EA	25
2505	1.2673	EA	25
2506-1	0.1534	EA	50
2506-2	0.2497	EA	50
2506	0.6561	EA	10
2507	3.8372	EA	5
25074	41.2973	LB	2
2508	9.4022	EA	5
250EMT	3.6597	EA	10
251-90	38.7459	EA	1
251	1.8040	EA	5
2510	3.5844	EA	5
251030	7.0776	EA	10
25113	9.0417	LB	30
25114	7.3929	LB	30
25116	4.0824	EA	1
2512	12.2854	EA	4
25122	13.6158	LB	10
25123	9.2545	LB	10
25124-2	11.5143	EA	2
25124	7.3929	LB	10
25125	8.0312	LB	10
25126	8.8290	LB	10
25133	12.2329	EA	10
25134	10.0523	EA	10
25135	10.5841	EA	10
25143	9.0206	LB	10
25144-2	13.0383	EA	2
25144	8.8192	LB	10
25145	8.8192	LB	10
25146	8.3145	LB	10
25163	10.0912	LB	10
25164	9.6566	LB	10
25165	9.6566	LB	10
25173	51.8233	LB	5
25174	47.9330	LB	10
25183	43.3010	LB	5
25184-1	45.4930	EA	1
25184	39.5804	LB	5
25185	41.4323	LB	5
25186	41.4323	LB	5
25194	8.7662	LB	15
252	2.0080	EA	5
2520	5.0063	EA	5
25201	11.1830	EA	1
25202	44.2020	EA	1
25203	99.0888	EA	1
25204	10.6424	EA	1
25205	43.3540	EA	1
25206	91.6370	EA	1
25207	27.5176	EA	1
25208	156.7846	EA	1
25209	13.7164	EA	1
2521	16.5360	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
25210	41.5944	EA	1
25213	75.5206	LB	5
25214	76.6494	LB	5
25218	18.1896	EA	1
2522	0.4113	EA	25
25223	39.2094	LB	10
25224	36.2944	LB	10
2523	0.7115	EA	25
25234	17.2954	LB	10
2525-2	8.3846	EA	2
2525-3	8.9676	EA	2
2525-4	7.7852	EA	2
2525-6	13.1864	EA	2
2525-7	17.0766	EA	1
2525254-X	3.5652	EA	1
25254	50.7210	LB	5
25255	53.9236	LB	5
2527	1.0393	EA	10
25274	59.6886	LB	5
2528-1	0.1424	EA	50
2528	0.1936	EA	100
253	2.1320	EA	5
25314	8.7662	LB	5
25335	10.5258	LB	10
25345	21.3354	LB	10
25346	21.3354	LB	10
2535	1.3218	EA	15
25354	23.7016	LB	5
25355	23.7016	LB	5
25356	22.8324	LB	5
2536	0.4016	EA	15
25363	56.7804	LB	5
25364	43.9158	LB	5
2537	1.3016	EA	15
25373	39.2094	LB	5
25374	38.6634	LB	5
25375	40.2438	LB	5
2538-R	4.8870	EA	10
25384	35.1284	LB	5
25385	45.7752	LB	5
2539-L	6.1193	EA	10
2539-R	6.1193	EA	10
254	2.7880	EA	5
25428	18.5924	EA	1
25429	59.9367	EA	1
25430	739.8270	EA	1
25431	2.1159	EA	6
25432	6.6952	EA	12
25433	88.8810	EA	1
25434	118.5714	PL	1
25435	955.6930	EA	1
2544	14.2252	EA	2
2546-1	0.1120	EA	25
2546	0.1719	EA	25
2547	0.5176	EA	25
2548	0.3731	EA	25
255	2.2960	EA	5
255A	0.1845	EA	50
256-1	0.2008	EA	50
256	2.9120	EA	5
257	0.1530	EA	100
258	0.1927	EA	50
2583-L	8.1730	EA	10
2583-R	8.1730	EA	10
2585	7.7804	EA	10
259	0.2011	EA	50
259629	0.0951	EA	50
259631	0.0866	EA	50
2597	2.7575	EA	10
260	1.5600	EA	5
260051	12.7559	EA	1
26009	9.7520	BX	1
260100	15.6279	EA	6
2608-1	0.0746	EA	100
261	1.7640	EA	5
2610-1	0.0699	EA	50
261139	4.5216	EA	1
2611489	2.5849	EA	5
2611493	2.2890	EA	5
2611560	2.6392	EA	5
262	1.9280	EA	5
2626	85.2497	EA	1
26273	12.7624	EA	1
263	1.9680	EA	5
2630-150	78.9532	EA	1
2630-50	78.9532	EA	1
2630-80	78.9532	EA	1
264	1.9280	EA	5
264780	4.9800	EA	1
264A	0.2675	EA	25
265	2.7080	EA	5
2650	32.1074	EA	1
265208	7.1000	EA	1
2654	33.1688	EA	1
2658	23.8818	EA	1
2659	23.1063	EA	1
265A	0.5407	EA	25
266-10-RL	7283.7450	EA	1
266-12-RL	6501.7008	EA	1
266-16-RL	4380.0439	EA	1
266-4-RL	5942.0025	EA	1
266-5-RL	4817.4945	EA	1
266-6-RL	5158.2545	EA	1
266-8-RL	7437.0870	EA	1
266	2.6240	EA	5
2660	44.0960	EA	1
26600	610.4646	EA	1
26603	13.6303	EA	2
26604	23.8859	EA	1
26611	39.8984	EA	1
26615	180.6934	EA	1
26620	76.0884	EA	1
2665	23.8685	RL	1
2666N	40.3729	RL	1
267	2.9120	EA	5
2670-1	4.6229	EA	10
2670-2	6.0094	EA	10
2670-3	5.8756	EA	10
2670-5	13.0593	EA	5
2670	4.1601	EA	10
2671-1	1.3081	EA	10
2671-2	1.0079	EA	10
2671-3	1.3081	EA	10
2671	0.9221	EA	10
2672-1	0.8578	EA	10
2672-2	0.8234	EA	10
2672-3	0.8363	EA	10
2672-4	0.8578	EA	10
2672-5	1.4254	EA	10
2672-6	2.7877	EA	5
2672-7	3.9885	EA	5
2672	0.9006	EA	10
26720-4-4	23.3256	EA	4
26720-5-5	34.0370	EA	4
2673-1	7.7412	EA	10
2673	5.8113	EA	10
2674-1	1.8013	EA	25
2674	1.5011	EA	25
267A	0.4661	EA	50
268	3.4440	EA	5
26800	16.4300	EA	1
26801	7.5472	EA	1
26802	2.8726	EA	12
26803	7.8546	EA	1
26804	3.0316	EA	12
26805	6.6780	EA	1
26806	7.5154	EA	1
26807	10.1230	EA	1
26808	8.6920	EA	1
26809	24.9524	EA	1
26810	25.0054	EA	1
26812	4.8481	EA	1
26813	18.9454	EA	1
26815	6.1599	EA	1
268A	0.5158	EA	25
269	3.6080	EA	5
269A	0.7330	EA	25
2700	25.0581	RL	1
27000	14.3895	EA	1
27004	11.7670	EA	1
27008	13.4406	EA	1
2701-1	34.2274	RL	1
2701	28.8426	RL	1
27012	14.5966	EA	1
27016	22.8438	EA	1
2702	49.9810	EA	1
27020	24.9035	EA	1
27024	31.8636	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX	ITEM NO.	NET PRICE	UOM	QUAN BOX	ITEM NO.	NET PRICE	UOM	QUAN BOX
27026	34.7468	EA	1	2706-1	42.2478	RL	1	27210	58.8863	EA	1
27028	37.6406	EA	1	27060	92.6652	EA	1	27212	60.7006	EA	1
2703-1	71.3951	RL	1	27064	115.8262	EA	1	27216	67.0239	EA	1
2703	39.8165	RL	1	27068	125.9083	EA	1	27225	124.0546	EA	1
27030	43.2162	EA	1	2706N	34.4606	RL	1	27226	136.9769	EA	1
270314	0.8514	EA	25	2707-1	4.6137	EA	5	2723-1	26.4364	EA	1
270318	0.7508	EA	25	2707-2	6.1032	EA	5	2723	31.8428	EA	1
27032	43.4388	EA	1	2707	2.5308	EA	5	2724-1	19.2177	EA	2
270320	0.7360	EA	25	27072	144.7854	EA	1	2724	14.6994	EA	2
270326	1.0420	EA	25	27076	171.7539	EA	1	2725-2	1.4531	EA	4
270329	0.9149	EA	25	2708-1	4.0688	EA	5	2725-4	16.7474	EA	4
270330	0.8806	EA	25	2708-2	5.5946	EA	5	2725-5	15.5849	EA	4
270332	0.8799	EA	25	2708	2.0108	EA	5	2725	0.7526	EA	4
270333	0.9022	EA	25	27080	154.2389	EA	1	27250	1.3045	EA	1
270336	0.8387	EA	25	27084	28.5842	EA	1	27259	51.1528	EA	1
270337	0.8387	EA	25	27088	177.2746	EA	1	2726-2	1.1978	EA	4
270339	0.8300	EA	25	2709	14.3185	EA	1	2726	0.7526	EA	4
27034	46.3326	EA	1	27092	37.5265	EA	1	27261	0.2137	EA	1
270340	0.9180	EA	25	27096	41.2137	EA	1	27262	25.0374	EA	1
270343	0.8176	EA	25	271	0.0992	EA	50	2727-1	1.1978	EA	4
270344	0.8387	EA	25	2710	17.5748	EA	1	2727	2.0458	EA	5
270346	0.8133	EA	25	27100	44.5390	EA	1	27270	0.4603	EA	1
270347	0.9912	EA	25	27104	47.7610	EA	1	27271	3.2929	EA	5
270350	0.8605	EA	25	27108	53.1970	EA	1	27272	3.3980	EA	5
270351	0.8895	EA	25	2711	13.9390	EA	1	27273	0.6208	EA	1
270353	0.8328	EA	25	27112	58.9259	EA	1	27274	3.8884	EA	5
27036	49.2264	EA	1	27116	66.3537	EA	1	27275	0.7888	EA	1
27038	55.5652	EA	1	2712	16.0460	EA	1	27276	5.1846	EA	5
27040	55.0246	EA	1	27120-6-6	40.3793	EA	4	27277	0.8610	EA	1
27042	62.9428	EA	1	27120	75.4148	EA	1	27278	0.8958	EA	1
270420	0.9345	EA	25	27126	108.8045	EA	1	27279	10.9296	EA	3
270426	1.2961	EA	25	27129	127.7641	EA	1	2728	2.3638	EA	5
270429	1.1691	EA	25	2713	9.6354	EA	1	2729-1	13.2142	EA	2
270430	1.1259	EA	25	27131	159.4187	EA	1	2729	10.5261	EA	2
270432	1.1180	EA	25	2714	14.5220	EA	1	27291	2.5879	EA	1
270433	1.1945	EA	25	2715	30.2100	EA	2	273	3.4440	EA	5
270436	1.0928	EA	25	27154	104.0284	EA	1	2730	0.8056	EA	4
270437	1.0674	EA	25	2716	7.5154	EA	1	2731-1	1.1978	EA	4
270439	1.0095	EA	25	27161	4.4207	EA	1	2731	0.8056	EA	4
27044	60.8122	EA	1	27165	5.5738	EA	1	27310	6.0533	EA	5
270440	1.1533	EA	25	27168	9.9834	EA	1	27311	4.7642	EA	5
270443	1.0928	EA	25	2717	16.4025	EA	1	27312	5.3807	EA	5
270444	1.0321	EA	25	27172	10.9840	EA	1	27313	1.0036	EA	1
270446	1.0095	EA	25	27175	11.8886	EA	1	27314	6.2775	EA	5
270447	1.2141	EA	25	27179	17.5055	EA	1	27315	1.2767	EA	1
270450	1.1111	EA	25	2718-1	2.9680	EA	5	27316	8.5195	EA	5
270451	1.1182	EA	25	2718	10.0912	EA	3	27317	1.4266	EA	1
270453	1.0628	EA	25	27183	19.4524	EA	1	27318	1.5726	EA	1
27046	69.2286	EA	1	27187	22.9156	EA	1	27319	18.9447	EA	3
27048	66.6104	EA	1	272-91	63.9681	EA	1	2732-1	1.4628	EA	4
2705-1	23.1553	RL	1	272	0.1696	EA	50	2732	2.2048	EA	5
27050	75.5250	EA	1	2720	15.9674	EA	5	27320	3.0616	EA	1
27052	72.3980	EA	1	27203	48.4896	EA	1	2733	2.4486	EA	5
27054	83.3372	EA	1	27205	51.4654	EA	1	273301	1.2707	EA	10
27056	83.9838	EA	1	27207	55.5661	EA	1	273302	1.2707	EA	10
2705N	22.4932	RL	1	2721	32.8706	EA	1	273303	1.2707	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
27335	0.7432	EA	1
27336	0.9157	EA	1
27337	1.1679	EA	1
27338	1.4598	EA	1
27339	1.9575	EA	1
2734	4.9094	EA	4
27340	2.7604	EA	1
273401	2.4144	EA	10
273402	2.4144	EA	10
273403	2.3343	EA	10
2735-1	5.9678	EA	4
2735	3.5510	EA	4
2736	5.0138	EA	4
27360	8.0200	EA	1
27361	7.5584	EA	1
27362	7.2122	EA	1
27363	6.7507	EA	1
27364	7.9335	EA	1
27365	8.7989	EA	1
27366	10.4433	EA	1
27367	12.3185	EA	1
27368	17.9729	EA	1
27369	22.5022	EA	1
2737-1	4.5246	EA	4
2737-10	5.5754	EA	4
2737-3	3.4953	EA	4
2737-4	3.8170	EA	4
2737-5	3.4739	EA	4
2737-6	6.2139	EA	4
2737-7	5.1462	EA	4
2737-8	3.8010	EA	4
2737-9	4.0145	EA	4
2737	2.4875	EA	4
27370	30.0029	EA	1
27371	41.8887	EA	1
2738-1	19.3751	EA	2
2738-2	8.2748	EA	2
2738	6.9218	EA	2
2739	7.7804	EA	2
273A	0.1729	EA	50
274	0.1908	EA	50
2740	6.4660	EA	1
27400	1.7106	EA	12
27402	1.0388	EA	12
27403	1.1766	EA	12
27404	1.3038	EA	12
27405	1.4522	EA	12
27406	1.5158	EA	12
27409	1.4255	EA	12
2741	5.7118	EA	5
27410	1.5900	EA	12
27411	1.7490	EA	12
27412	1.5324	EA	12
27413	1.8868	EA	12
27414	2.0246	EA	12
27418	2.2154	EA	12
27419	2.5440	EA	12
2742	6.3248	EA	5
274201	0.9658	EA	10
274202	0.8641	EA	10
274203	0.8641	EA	10
27421	2.9574	EA	12
27422	3.2542	EA	12
27423	3.6252	EA	12
27424	4.0598	EA	6
27425	4.4308	EA	6
27426	4.7912	EA	6
27427	5.1728	EA	6
27429	5.9042	EA	6
2743	5.8724	EA	1
27430	6.6462	EA	6
274301	1.2707	EA	10
274302	1.2707	EA	10
274303	1.0674	EA	10
27431	7.3776	EA	6
27432	8.6920	EA	6
27433	10.1336	EA	6
27434	11.5858	EA	6
27435	14.0238	EA	6
27436	2.7027	EA	6
27437	2.8339	EA	6
27438	2.8392	EA	6
27439	2.9126	EA	6
2744	5.7452	EA	1
27440	3.1226	EA	6
274401	2.4144	EA	10
274402	2.4144	EA	10
274403	2.4144	EA	10
27441	3.3430	EA	6
27442	3.5109	EA	6
27443	3.8835	EA	6
27444	3.8835	EA	6
2745	5.8618	EA	1
2746	8.2807	EA	5
2747	9.3316	EA	5
2748-1	3.5717	EA	5
2748	3.1721	EA	5
2749	11.4627	EA	5
275	0.8129	EA	25
2750-1	4.1494	EA	5
2750	3.7559	EA	5
27500	125.4828	EA	1
275000	42.3429	EA	1
275001	52.1143	EA	1
275003	70.0286	EA	1
27501-B	2.3956	EA	12
27501	1.7996	EA	12
275010	297.3476	EA	1
275011	217.1429	EA	1
275012	0.0075	EA	1
275013	272.5143	EA	1
27502-B	2.3956	EA	12
27502	1.7330	EA	12
27503-B	2.3956	EA	12
27503	1.7330	EA	12
275030	92.8030	EA	1
27504-B	2.3956	EA	12
27504	1.7330	EA	12
27505-B	2.3956	EA	12
27505	1.5663	EA	12
27506-B	2.3956	EA	12
27506	1.5663	EA	12
27507-B	2.0564	EA	12
27507	1.3997	EA	12
27508-B	2.0564	EA	12
27508	1.3997	EA	12
27509-B	2.0564	EA	12
27509	1.3997	EA	12
2751	0.7526	EA	4
27510-B	2.0564	EA	12
27510	1.3997	EA	12
27511-B	2.0564	EA	12
27511	1.2664	EA	12
27512-B	2.0564	EA	12
27512	1.2664	EA	12
27513-B	2.0564	EA	12
27513	1.2331	EA	12
27514-B	2.0564	EA	12
27514	1.2331	EA	12
27515-B	2.0564	EA	12
27515	1.2331	EA	12
27516-B	1.7066	EA	12
27516	1.2331	EA	12
27517-B	1.7066	EA	12
27517	1.2331	EA	12
27518-B	1.7066	EA	12
27518	1.2331	EA	12
27519-B	1.7066	EA	12
27519	1.2331	EA	12
2752	0.7526	EA	4
27520-B	1.7066	EA	12
27520	1.2331	EA	12
27521-B	1.3780	EA	12
27521	1.2331	EA	12
27522-B	1.3780	EA	12
27522	1.2331	EA	12
27523-B	1.3780	EA	12
27523	1.2331	EA	12
27524-B	1.3780	EA	12
27524	1.1664	EA	12
27525-B	1.3780	EA	12
27525	1.1664	EA	12
27526-B	1.3780	EA	12
27526	1.0998	EA	12
27527-B	1.3780	EA	12
27527	1.0998	EA	12
27528-B	1.3780	EA	12
27528	1.0998	EA	12

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
27529-B.....	1.3780	EA	12
27529.....	1.0331	EA	12
2753.....	9.9098	EA	4
27530-B.....	1.3780	EA	12
27530.....	1.0331	EA	12
27531-B.....	1.0388	EA	12
27531.....	1.0331	EA	12
27532-B.....	1.0388	EA	12
27532.....	1.0331	EA	12
27533-B.....	1.0388	EA	12
27533.....	1.0331	EA	12
27534-B.....	1.0388	EA	12
27534.....	1.0331	EA	12
27535-B.....	1.0388	EA	12
27535.....	1.0331	EA	12
27536-B.....	1.0388	EA	12
27536.....	1.0331	EA	12
27537-B.....	1.0388	EA	12
27537.....	1.0331	EA	12
27538-B.....	1.0388	EA	12
27538.....	1.0331	EA	12
27539-B.....	1.0388	EA	12
27539.....	1.0331	EA	12
2754.....	8.2488	EA	4
27540-B.....	1.0388	EA	12
27540.....	1.0331	EA	12
27541-B.....	1.0388	EA	12
27541.....	0.9331	EA	12
27542-B.....	1.0388	EA	12
27542.....	0.9331	EA	12
27543-B.....	1.0388	EA	12
27543.....	0.9331	EA	12
27544-B.....	1.0388	EA	12
27544.....	0.9331	EA	12
27545-B.....	1.0388	EA	12
27545.....	0.9331	EA	12
27546-B.....	1.0388	EA	12
27546.....	4.0068	EA	12
27547-B.....	1.0388	EA	12
27547.....	4.0068	EA	12
27548-B.....	1.0388	EA	12
27548.....	4.0068	EA	12
27549-B.....	1.0388	EA	12
27549.....	4.0068	EA	12
2755.....	34.6012	KT	1
27550-B.....	1.0388	EA	12
27550.....	4.0068	EA	12
27551-B.....	1.0388	EA	12
27551.....	4.0068	EA	12
27552-B.....	1.0388	EA	12
27552.....	4.0068	EA	12
27553-B.....	1.0388	EA	12
27553.....	4.0068	EA	12
27554-B.....	1.0388	EA	12
27554.....	4.0068	EA	12
27555-B.....	1.0388	EA	12
27555.....	4.0068	EA	12
27556-B.....	1.3780	EA	12
27556.....	0.9665	EA	12
27557-B.....	1.3780	EA	12
27557.....	0.9665	EA	12
27558-B.....	1.3780	EA	12
27558.....	0.9665	EA	12
27559-B.....	1.3780	EA	12
27559.....	0.9665	EA	12
2756.....	53.4660	KT	1
27560-B.....	1.3780	EA	12
27560.....	0.9665	EA	12
27561.....	0.1051	EA	12
27562.....	0.1023	EA	12
27563.....	0.1023	EA	12
27564.....	0.1051	EA	12
27565.....	0.1076	EA	12
27566.....	0.1023	EA	12
27567.....	0.1023	EA	12
27568.....	0.1051	EA	12
27569.....	0.1245	EA	12
2757.....	28.8004	EA	1
27570.....	0.1245	EA	12
27571.....	0.1272	EA	12
27572.....	0.1245	EA	12
27573.....	0.1245	EA	12
27574.....	0.1272	EA	12
27575.....	0.1395	EA	12
27576.....	0.1438	EA	12
27577.....	0.1438	EA	12
27578.....	0.1383	EA	12
27579.....	0.1383	EA	12
2758.....	41.8597	EA	1
27580.....	0.1383	EA	12
2759.....	8.2488	EA	4
276-1.....	0.1520	EA	100
276-1/2.....	0.1631	EA	100
276-1116.....	0.1586	EA	100
276-3/4.....	0.1018	EA	100
276-3/8.....	0.1344	EA	100
276-5/8.....	0.1742	EA	100
276-7/8.....	0.1390	EA	100
276-91.....	37.0820	EA	1
2760.....	2.8187	EA	4
27600.....	12.5204	EA	1
27601.....	12.5204	EA	1
27602.....	12.5204	EA	1
27603.....	12.5204	EA	1
27604.....	12.5204	EA	1
27605.....	16.9055	EA	1
27606.....	16.9055	EA	1
27607.....	16.9055	EA	1
27608.....	22.0118	EA	1
27609.....	23.9446	EA	1
2761.....	2.8187	EA	4
27610.....	26.5987	EA	1
27611.....	27.7527	EA	1
27612.....	27.7527	EA	1
27613.....	5.2026	EA	1
27614.....	5.2026	EA	1
27615.....	29.8010	EA	1
27616.....	35.5996	EA	1
27617.....	6.8278	EA	1
27618.....	37.8787	EA	1
27619.....	6.7310	EA	1
2762-2.....	7.4836	EA	2
2762.....	5.1043	EA	2
27620.....	7.8066	EA	1
27621.....	43.1292	EA	1
27622.....	7.6754	EA	1
27623.....	8.1303	EA	1
27624.....	11.3728	EA	1
27626.....	11.0568	EA	1
27627.....	12.5441	EA	1
27628.....	11.7080	EA	1
27629.....	12.0992	EA	1
2763.....	3.6728	EA	2
27630.....	13.0095	EA	1
276301.....	1.0723	EA	10
276302.....	0.9772	EA	10
276303.....	1.0674	EA	10
27631.....	16.0581	EA	1
27632.....	14.4726	EA	1
27633.....	16.2270	EA	1
27634.....	16.2634	EA	1
27635.....	16.2634	EA	1
27636.....	21.2608	EA	1
27637.....	19.1896	EA	1
27638.....	35.6265	EA	1
2764.....	2.6076	EA	2
27640.....	12.2320	EA	1
276401.....	2.1849	EA	10
276402.....	1.9823	EA	10
276403.....	2.0492	EA	10
27641.....	12.2320	EA	1
27642.....	12.2320	EA	1
27643.....	12.2320	EA	1
27644.....	12.2320	EA	1
27645.....	16.9343	EA	1
27646.....	16.9343	EA	1
27647.....	17.9152	EA	1
27648.....	21.8675	EA	1
27649.....	24.4928	EA	1
2765-1.....	9.3743	EA	2
2765-2.....	12.8549	EA	2
2765-3.....	13.0685	EA	2
2765-4.....	14.5419	EA	2
2765-5.....	10.2498	EA	2
2765-6.....	15.1611	EA	2
2765-7.....	15.2038	EA	2
2765-8.....	14.9689	EA	2
2765-9.....	15.3747	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
2765	8.0944	EA	2
27650	24.8678	EA	1
27651	26.4833	EA	1
27652	26.4833	EA	1
27653	28.4162	EA	1
27654	28.4162	EA	1
27655	28.4162	EA	1
27656	34.9649	EA	1
27657	34.9649	EA	1
27658	38.9461	EA	1
27659	6.3435	EA	1
2766	2.2920	EA	4
27660	39.6385	EA	1
27661	39.6385	EA	1
27662	39.6385	EA	1
27663	7.1885	EA	1
27664	45.1486	EA	1
27665	10.9968	EA	1
27666	11.0122	EA	1
27667	11.1893	EA	1
27668	13.9105	EA	1
27669	11.0250	EA	1
2767-1	4.3460	EA	2
2767	4.3354	EA	5
27670	12.4894	EA	1
27671	13.2400	EA	1
27672	16.5462	EA	1
27673	14.6892	EA	1
27674	16.5832	EA	1
27675	16.1066	EA	1
27677	22.5495	EA	1
27679	25.2133	EA	1
2768	0.9646	EA	5
2769	1.1978	EA	4
277	5.6160	EA	5
2770	1.5476	EA	4
27700	16.9812	EA	1
27701	4.6423	EA	1
27702	16.9812	EA	1
27703	3.3175	EA	1
27704	17.4794	EA	1
27705	3.3175	EA	1
27706	17.7421	EA	1
27707	3.3175	EA	1
27708	17.4794	EA	1
27709	4.4762	EA	1
2771	3.8457	EA	4
27710	26.7718	EA	1
27711	4.9287	EA	1
27712	27.7190	EA	1
27713	35.7439	EA	1
27714	37.0152	EA	1
27715	45.0044	EA	1
27716	46.4280	EA	1
27717	10.6702	EA	1
27718	57.3806	EA	1
27719	11.7578	EA	1
2772	5.3742	EA	4
27720-6-6	36.5035	EA	4
27720	69.4971	EA	1
2773	6.0950	EA	4
2774	5.6180	EA	4
27745	16.3240	EA	1
27746	18.6364	EA	1
27747	16.3240	EA	1
27748	18.6364	EA	1
27749	16.8222	EA	1
2775	8.4975	EA	2
27750	18.6364	EA	1
27751	16.8222	EA	1
27752	18.6364	EA	1
27753	16.8222	EA	1
27754	27.8104	EA	1
27755	27.1890	EA	1
27756	27.8104	EA	1
27757	26.0442	EA	1
27758	36.3785	EA	1
27759	36.3785	EA	1
2776	8.2488	EA	2
27760	45.7833	EA	1
27761	45.7833	EA	1
27762	10.3404	EA	1
27763	57.6114	EA	1
27764	12.6855	EA	1
27765	70.8531	EA	1
2777	8.4146	EA	2
277719	5.0112	EA	1
2778	8.4146	EA	2
2779	1.8653	EA	4
27790	18.0017	EA	1
27791	18.0017	EA	1
27792	18.0017	EA	1
27793	20.2231	EA	1
27794	20.2231	EA	1
27795	27.0892	EA	1
27796	27.0892	EA	1
27797	31.5319	EA	1
277A	0.1198	EA	200
278	6.3960	EA	5
2780	2.0140	EA	4
278000	0.3173	EA	25
278001	0.3173	EA	25
278002	0.3173	EA	25
278003	0.4039	EA	25
278004	0.4007	EA	25
278005	0.4007	EA	25
278006	0.3286	EA	25
278007	0.3286	EA	25
278008	0.3286	EA	25
278009	0.4346	EA	25
278010	0.4346	EA	25
278011	0.4346	EA	25
278012	0.4016	EA	25
278013	0.4045	EA	25
278014	0.4301	EA	25
278015	0.5512	EA	25
278016	0.5512	EA	25
278017	0.5512	EA	25
278018	0.6093	EA	25
278019	0.6572	EA	25
278020	0.6572	EA	25
278021	0.6572	EA	25
278022	0.7632	EA	25
278023	0.7632	EA	25
278024	0.7632	EA	25
278025	0.7632	EA	25
278026	0.7632	EA	25
278027	0.7632	EA	25
278028	1.0674	EA	25
278029	1.0963	EA	25
2781	3.0674	EA	4
2782	3.0413	EA	4
2783	7.3670	EA	2
27832	44.1692	EA	1
2784	7.2080	EA	2
2785	11.1165	EA	2
27850-L	6.8052	EA	5
27850-R	6.8052	EA	5
27851-L	6.7399	EA	5
27851-R	6.7399	EA	5
27852-L	7.7168	EA	5
27852-R	7.7168	EA	5
27852	438.8504	EA	1
27853-L	6.9011	EA	3
27853-R	6.9011	EA	3
27854-L	10.0700	EA	3
27854-R	10.0700	EA	3
27855-L	11.5942	EA	1
27855-R	11.5942	EA	1
27856-L	14.0422	EA	1
27856-R	14.0422	EA	1
2786	1.3250	EA	4
2787	3.0674	EA	5
27870	6.1234	EA	5
27871	6.9711	EA	5
27872	7.3141	EA	5
27874	9.6966	EA	3
27876	18.8023	EA	1
2788	3.3576	EA	4
27880	5.4648	EA	5
27881	5.9552	EA	5
27882	6.6559	EA	5
27883	0.8046	EA	3
27884	8.5052	EA	3
27885	11.7302	EA	1
27886	16.2353	EA	1
2789	21.0573	EA	2
27890	5.4505	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
27891	5.9552	EA	5
27892	6.6559	EA	5
27893	7.8819	EA	3
27894	8.5055	EA	3
27895	11.9806	EA	1
27896	15.3683	EA	1
278A	0.5292	EA	25
279	0.6303	EA	25
2790	15.0883	EA	4
27900-R	2.0570	EA	1
27901-L	8.4603	EA	1
27901-R	8.4603	EA	1
2791	8.4376	EA	2
2792	13.6104	EA	2
27920-12-12	57.7149	EA	1
2793	4.0208	EA	4
2794	13.1393	EA	2
2795	7.4306	EA	2
2796	1.4734	EA	4
2797	2.3850	EA	2
2798	1.9398	EA	2
2799-1	7.2909	EA	4
2799-2	7.2909	EA	4
2799-7	24.9000	EA	4
2799-8	34.6633	EA	4
2799	3.6888	EA	4
280	5.3320	EA	5
2800	5.3636	EA	4
280070	26.7718	EA	1
2801	5.3530	EA	4
2804	8.0200	EA	4
2805	4.2244	EA	4
2806	4.4732	EA	4
2807	2.2154	EA	4
28077	9.2924	EA	1
28078	64.8145	EA	1
28079	12.3850	EA	1
2808-1	25.0969	EA	2
2808-2	28.6140	EA	2
2808-3	21.2532	EA	2
2808-4	22.3837	EA	2
2808-5	28.3376	EA	2
2808-6	26.5540	EA	2
2808-7	29.7193	EA	2
2808	21.2532	EA	2
28080	14.1363	EA	1
280A	0.4305	EA	25
281	0.7595	EA	25
281004	5.0668	EA	1
28101	2.2492	EA	1
28102	1.9846	EA	1
28103	14.6598	EA	1
28104	14.6598	EA	1
28105	12.3490	EA	1
281052	30.6863	EA	1
28106	2.3815	EA	1
28107	2.2081	EA	1
28108	2.3815	EA	1
28109	17.7444	EA	1
2811	0.2617	EA	100
28110	2.9202	EA	1
28111	20.0658	EA	1
28112	2.9202	EA	1
28113	20.8396	EA	1
28114	23.9348	EA	1
28115	3.2099	EA	1
28116	3.4494	EA	1
28117	24.6980	EA	1
28118	3.6857	EA	1
28119	27.0088	EA	1
28120	3.6857	EA	1
28121	27.0088	EA	1
28122	3.7613	EA	1
28123	29.3196	EA	1
28124	4.2282	EA	1
28125	29.3196	EA	1
28126	4.7082	EA	1
28127	4.4909	EA	1
28128	4.7082	EA	1
28129	33.9518	EA	1
28130	5.5839	EA	1
28131	40.8948	EA	1
28132	5.7459	EA	1
28133	46.3008	EA	1
28134	6.5870	EA	1
28135	54.0070	EA	1
28136	7.4470	EA	1
28137	8.0670	EA	1
28138	60.1974	EA	1
28139	8.4677	EA	1
28140	66.3560	EA	1
28141	9.6112	EA	1
28142	12.8527	EA	1
28143	9.2048	EA	1
28144	10.6035	EA	1
28145	10.3918	EA	1
28146	11.9057	EA	1
28147	89.5276	EA	1
2815	0.2617	EA	100
2816	0.2617	EA	100
282	0.4029	EA	25
2820	0.0768	EA	50
2823	91.5954	EA	1
284	3.9360	EA	5
284612	5.4893	EA	2
284613	2.1197	EA	1
284616	2.5229	EA	1
284620	6.1243	EA	1
284624	3.4214	EA	1
284631	0.7258	EA	5
284635	4.8845	EA	1
284637	6.6125	EA	1
284638	6.1978	EA	1
284730	0.6808	EA	1
284752	0.4185	EA	1
284A	0.6335	EA	10
285-6-RL	3024.2450	EA	1
285-8-RL	3258.5175	EA	1
285	0.7119	EA	10
2850-A	16.1688	EA	2
28500-D	13.8862	EA	1
28501-D	12.0442	EA	1
28502-D	16.8760	EA	1
28503-D	13.6028	EA	1
28505-D	14.9206	EA	1
28506-D	12.7526	EA	1
28508-D	5.2428	EA	1
28509-D	24.0883	EA	1
2851-A	10.9399	EA	2
28510-D	4.2084	EA	1
28512-E	5.0727	EA	1
28517-E	5.6338	EA	1
28518-E	5.8379	EA	1
2852-B	15.1872	EA	2
28521-E	6.2205	EA	1
28522-D	4.8885	EA	1
28522-E	6.3140	EA	1
28526-D	5.0869	EA	1
28526-E	6.9006	EA	1
28527-E	7.0423	EA	1
2853-B	19.9552	EA	2
28530-D	5.2711	EA	1
28532-D	5.3731	EA	1
28532-E	8.0058	EA	1
28533-E	8.2184	EA	1
28534-E	8.4309	EA	1
28538-D	5.6565	EA	1
28538-E	9.0260	EA	1
2854-A	0.4976	EA	25
28540-E	9.3463	EA	1
28542-E	9.7912	EA	1
28543-E	11.3215	EA	1
28544-E	12.7101	EA	1
285477	30.6863	EA	1
285485	4.9502	EA	1
2855-A	0.2953	EA	25
28550	18.2788	EA	1
28551-D	9.9187	EA	1
28553	4.7893	EA	1
28554-D	83.6006	EA	1
28555-E	155.8656	EA	1
28556-E	155.8656	EA	1
2856-A	0.3283	EA	25
28561	2.8198	EA	1
28563	3.9108	EA	1
28565	4.3926	EA	1
2857-B	0.2690	EA	25
285752	5.3136	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
285756	0.7430	EA	2
285759	6.8200	EA	1
285764	6.9811	EA	1
285782	4.4200	EA	1
285784	6.6586	EA	1
2858-B	0.3564	EA	25
285827	7.4224	EA	1
28583	6.2346	EA	1
28585	7.0848	EA	1
2859-B	0.2360	EA	25
2859852	49.8094	RL	1
2859913	54.2190	RL	1
2859978	48.9296	RL	1
286	0.2542	EA	25
2860-A	3.5217	EA	5
28600	9.8686	EA	1
28601	11.1194	EA	1
28602	8.6139	EA	1
28603	12.3490	EA	1
28604	14.8188	EA	1
28605	18.5182	EA	1
28606	24.6980	EA	1
28607	29.5420	EA	1
28608	37.7678	EA	1
2861-A	3.7987	EA	5
28612	83.3796	EA	1
28615	7.9459	EA	1
28616	9.2676	EA	1
28617	12.0804	EA	1
28618	17.5571	EA	1
28619	23.2692	EA	1
2862-A	3.8102	EA	5
28620	37.2210	EA	1
28624	65.0797	EA	1
28625	9.2653	EA	1
28626	11.0488	EA	1
28627	12.5944	EA	1
28628	15.7313	EA	1
28629	22.8479	EA	1
2863-A	4.0987	EA	5
28630	32.5863	EA	1
28631	39.3283	EA	1
28632	47.3346	EA	1
28637	97.5816	EA	1
2864-A	4.0872	EA	5
2865-A	3.9069	EA	5
28650	28.1642	EA	1
28651	28.1642	EA	1
28652	30.0510	EA	1
28653	30.0510	EA	1
28654	31.9378	EA	1
28655	31.9378	EA	1
28656	31.9378	EA	1
28657	31.9378	EA	1
28658	33.8140	EA	1
28659	33.8140	EA	1
2866-A	3.3660	EA	5
28660	35.6796	EA	1
28661	35.6796	EA	1
28662	35.6796	EA	1
28663	35.6796	EA	1
28664	37.5558	EA	1
28665	37.5558	EA	1
28666	39.4320	EA	1
28667	39.4320	EA	1
2866794	17.7550	EA	1
28668	41.3294	EA	1
2866857	21.1682	EA	1
2866865	27.0406	EA	1
28669	43.1950	EA	1
2866926	19.5358	EA	1
2866987	37.7996	EA	1
2867-A	4.4478	EA	5
28670	43.1950	EA	1
28671	43.1950	EA	1
2867159	33.6782	RL	1
28672	45.0818	EA	1
2867222	37.9741	RL	1
2867230	31.6339	RL	1
2867291	34.8929	RL	1
28673	45.0818	EA	1
28674	46.8626	EA	1
28675	46.9580	EA	1
2867524	53.5724	RL	1
2867587	66.5574	RL	1
28676	48.8236	EA	1
2867656	59.6674	RL	1
28677	48.8236	EA	1
28678	50.6998	EA	1
28679	50.6998	EA	1
2868-A	4.9166	EA	5
28680	52.5760	EA	1
28681-11/2	113.0405	EA	1
28681-11/4	86.4112	EA	1
28681-11/8	67.6174	EA	1
28681-1116	63.6338	EA	1
28681-13/8	96.1405	EA	1
28681-1316	71.8251	EA	1
28681-1516	87.3887	EA	1
28681	54.4734	EA	1
28685	300.9240	EA	1
2869-A	4.9166	EA	5
287	1.6400	EA	5
2870-A	6.0709	EA	5
28700	2.1600	EA	1
287005	5.2576	EA	1
28701	2.4438	EA	1
28702	3.7808	EA	1
28703	6.5992	EA	1
28704	14.0317	EA	1
28705	18.7765	EA	1
28706	6.5992	EA	1
28707	3.8161	EA	1
2871-B	6.4788	EA	5
28712	3.5154	EA	1
28713	4.6156	EA	1
28714	7.4373	EA	1
28715	11.3374	EA	1
28716	4.7013	EA	1
28717	8.0051	EA	1
28718	11.3374	EA	1
28719	8.0084	EA	1
2872-B	6.6115	EA	5
28724	4.1587	EA	1
28725	5.0640	EA	1
28726	6.0634	EA	1
28728	4.8423	EA	1
2873-B	7.2721	EA	5
28730	4.8507	EA	1
28731	6.9620	EA	1
28733	6.0281	EA	1
28735	6.0281	EA	1
28736	9.4294	EA	1
28737	9.2345	EA	1
28738	9.2345	EA	1
2874-B	7.1279	EA	5
28740	11.5289	EA	1
28742	20.5988	EA	1
2875-B	6.3951	EA	5
2876-B	7.5966	EA	5
28760	4.1658	EA	1
28761	4.4202	EA	1
28762	6.1056	EA	1
28763	6.1374	EA	1
28764	7.5578	EA	1
28765	9.0948	EA	1
2877-B	1.7793	EA	5
28782	19.6760	EA	1
28783	22.8236	EA	1
28784	28.9850	EA	1
28792	21.5378	EA	1
28794	7.3891	EA	1
28795	10.0474	EA	1
28796	13.5082	EA	1
288	2.1720	EA	5
2880-10	1.8456	EA	4
2880-10A	2.5449	EA	4
2880-11	2.5308	EA	4
2880-11A	2.5449	EA	4
2880-12	2.5308	EA	4
2880-12A	2.5308	EA	4
2880-12B	2.5308	EA	4
2880-12C	2.5308	EA	4
2880-12D	2.5308	EA	4
2880-13	2.5449	EA	4
2880-13A	2.5449	EA	4
2880-14	2.5449	EA	4
2880-14A	1.6794	EA	4

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
2880-15	1.6653	EA	4
2880-15A	2.5308	EA	4
2880-16	2.5449	EA	4
2880-17	1.6653	EA	4
2880-17A	2.5308	EA	4
2880-18	2.5308	EA	4
2880-18A	2.5449	EA	4
2880-19	1.6653	EA	4
2880-20	2.5308	EA	4
28808	4.2506	EA	12
28809	4.2506	EA	12
28810	4.2506	EA	12
28811	5.4060	EA	12
28812	5.5650	EA	12
28813	5.5650	EA	12
28814	5.5650	EA	12
28815	6.0844	EA	12
28816	6.7734	EA	12
28817	7.6002	EA	12
28818	8.2680	EA	12
28819	8.7874	EA	12
2882	8.9980	EA	2
28820	9.4658	EA	12
28821	10.8120	EA	12
28822	11.8614	EA	12
28823	13.6740	EA	6
28824	14.2040	EA	6
28825	15.7092	EA	6
28826	17.7338	EA	6
28827	19.5994	EA	6
28828	19.9704	EA	6
28829	22.8430	EA	6
2883	16.9109	EA	2
28830	23.6592	EA	6
28831	25.8534	EA	6
28832	26.3622	EA	6
28833	30.2736	EA	6
28834	31.7788	EA	6
28835	33.2840	EA	6
28836	33.2840	EA	6
28837	337.5676	EA	1
2884	11.8506	EA	2
288A	0.5189	EA	25
289	1.1880	EA	5
289028	1.7867	EA	1
289334N	43.4400	BX	1
289335N	46.9175	BX	1
289798	0.0641	EA	100
289799	0.0288	EA	100
289808	8.3162	EA	1
289819	0.0288	EA	100
289820	0.0304	EA	100
289840	0.0579	EA	100
289841	0.0654	EA	100
289843	0.0664	EA	100
29	0.2855	EA	25
290	1.7240	EA	5
29000	1.4723	EA	1
29001	1.4723	EA	1
29002-400	30.5176	EA	1
29002	9.4288	EA	1
29003	1.7252	EA	1
29004-500	8.9528	EA	1
29004	1.7252	EA	1
29005	1.7916	EA	1
29006	1.8538	EA	1
29007	1.8538	EA	1
29008	2.1731	EA	1
29009	2.1731	EA	1
29011	1.6547	EA	1
29012	1.6547	EA	1
29013	1.7750	EA	1
29014	1.7750	EA	1
29015	1.8538	EA	1
29016	1.8580	EA	1
29017	2.4261	EA	1
29018	2.4261	EA	1
29020	31.3866	EA	1
29021	2.1068	EA	1
29022	54.5065	EA	1
29023	2.1068	EA	1
29024	2.1565	EA	1
29025	2.6667	EA	1
29026	59.0134	EA	1
29027	3.2763	EA	1
29028	17.4090	EA	1
29029	2.8408	EA	1
29030	2.8408	EA	1
29031	2.8408	EA	1
29032	20.7459	EA	1
29033	3.4961	EA	1
29034	3.6081	EA	1
2903N	86.3404	EA	1
29041	23.8897	EA	1
29042	30.4008	EA	1
29043	25.6789	EA	1
29044	25.6789	EA	1
29045	30.4008	EA	1
29046	5.0720	EA	1
29047	31.0820	EA	1
29048	5.0679	EA	1
29049	32.8763	EA	1
2904N	168.1921	EA	1
2905	49.3854	EA	1
29050	32.8763	EA	1
29051	34.6756	EA	1
29052	34.6756	EA	1
29053	34.6756	EA	1
29054	37.7254	EA	1
29055	37.7254	EA	1
29056	37.7254	EA	1
29057	5.6568	EA	1
29058	5.6568	EA	1
29059	5.6568	EA	1
29060	5.6568	EA	1
29061	34.6655	EA	1
29062	6.8346	EA	1
29063	6.8346	EA	1
29064	41.8730	EA	1
29065	6.8346	EA	1
29066	45.6852	EA	1
29067	7.7802	EA	1
29068	47.6777	EA	1
29069	8.1036	EA	1
2906N	60.9924	EA	1
29070	49.6600	EA	1
29072	58.2364	EA	1
29073	8.9538	EA	1
29074	8.9538	EA	1
29075	62.1043	EA	1
29076	54.8650	EA	1
29077	70.6278	EA	1
29078	54.8650	EA	1
29079	8.9538	EA	1
2907N	100.7406	EA	1
29080	8.4313	EA	1
29081	8.4313	EA	1
29082	8.4313	EA	1
29083	8.4313	EA	1
29084	57.4549	EA	1
29085	51.6551	EA	1
29087	65.3490	EA	1
29088	51.6551	EA	1
29089	51.6551	EA	1
2908N	75.5135	EA	1
29090	9.3146	EA	1
29091	73.3414	EA	1
29092	9.3146	EA	1
29093	57.0913	EA	1
29095	73.3414	EA	1
29096	9.3146	EA	1
29097	57.0915	EA	1
29098	66.8412	EA	1
2909N	135.4781	EA	1
290A	0.1810	EA	25
291	1.3120	EA	5
29100	9.6796	EA	1
29101	59.3176	EA	1
29102	9.6796	EA	1
29103	9.6796	EA	1
29104	11.2016	EA	1
291040	0.1691	EA	500
291045	0.1022	EA	100
29105	11.2016	EA	1
291051	0.0981	EA	100
291053	0.1109	EA	100
291055-1800	0.1927	EA	1800
291055	0.1954	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
291057	0.1516	EA	100
291058-1000	0.0937	EA	2250
291058	0.0965	EA	100
29106	10.0445	EA	1
29107	10.0445	EA	1
29108	61.5439	EA	1
29109	61.5439	EA	1
29110	50.8698	EA	1
29111	50.8799	EA	1
29112	11.4960	EA	1
29113	78.6769	EA	1
29114	78.6769	EA	1
29116	11.4960	EA	1
29117	78.6769	EA	1
29118	13.3374	EA	1
29119	13.3374	EA	1
2912	71.6454	EA	1
2913	129.2484	EA	1
29140	12.6904	EA	1
29141	12.6904	EA	1
29142	12.6904	EA	1
29143	13.1881	EA	1
29144	13.1881	EA	1
29150	58.7244	EA	1
29151	58.7244	EA	1
29152	58.7244	EA	1
29154	64.9452	EA	1
29155	64.9452	EA	1
29156	72.6589	EA	1
29157	72.6589	EA	1
2919	60.3557	RL	1
291A	0.2179	EA	25
292	1.8440	EA	5
2920	203.9377	RL	1
2926	4.6216	EA	10
292A	0.3977	EA	25
293	2.5440	EA	5
29305	7.2397	EA	10
29307	7.6956	EA	10
29309	7.6956	EA	10
2931	1.9317	EA	10
29311	7.6956	EA	10
29313	7.6850	EA	10
29314	7.6956	EA	10
29317	7.6850	EA	10
29319	7.6956	EA	10
2932	2.1594	EA	10
29321	7.6956	EA	10
29322	7.6956	EA	10
2932231	53.4222	EA	1
2932357	58.2729	EA	1
29324	7.6956	EA	10
2933	2.6615	EA	10
2933941	62.2417	EA	1
29378	8.0674	EA	10
29381	8.5754	EA	10
29383	8.0674	EA	10
29384	8.5754	EA	10
29387	8.5754	EA	10
29388	8.0674	EA	10
29389	8.5754	EA	10
29390	8.0674	EA	10
29391	8.0674	EA	10
29392	8.5754	EA	10
29393	8.0674	EA	10
29394	8.0674	EA	10
29395	8.5754	EA	10
29397	8.5754	EA	10
29398	8.0674	EA	10
29399	8.5754	EA	10
293A	0.3227	EA	25
294	4.2640	EA	5
2940	0.5117	EA	100
29401	8.0674	EA	10
29402	8.5754	EA	10
29403	8.0674	EA	10
29404	8.5754	EA	10
29405	8.0674	EA	10
29407	8.5754	EA	10
29408	8.5754	EA	10
29409	8.5754	EA	10
2941	0.7745	EA	50
29410	8.5754	EA	10
2942	1.0285	EA	50
29421	2.4967	EA	5
29422	2.4967	EA	5
29423	1.1780	EA	5
29424	1.2614	EA	5
29425	0.8480	EA	5
29426-1	1.1780	EA	5
29426	1.1780	EA	5
29427-1	1.1780	EA	5
29427	1.1780	EA	5
29428	0.8480	EA	5
29429	0.8480	EA	5
2943	1.2757	EA	50
29430	0.3950	EA	5
29431	0.4240	EA	5
29432	0.3950	EA	5
29433	0.4240	EA	5
29434	0.3246	EA	5
29435	0.3812	EA	5
29436-1	0.3812	EA	5
29436	0.2704	EA	5
29437	0.3812	EA	5
29438-1	0.4351	EA	5
29438	0.4351	EA	5
29439	0.4351	EA	5
29440	0.4622	EA	5
29441	0.4351	EA	5
29442	0.3264	EA	5
29443	0.4703	EA	5
29444	0.6996	EA	5
29445	0.9858	EA	5
29446	0.6251	EA	5
29450	1.9212	EA	10
29452	3.1634	EA	1
2946	1.1073	EA	10
2947	2.6606	EA	10
2948	3.7100	EA	10
29485	3.1000	EA	5
29486	3.5948	EA	5
29487	3.5187	EA	5
29488	2.6582	EA	5
2949-1	4.3488	EA	5
2949	4.4520	EA	10
29490	3.8173	EA	5
29491	2.6582	EA	5
29492	4.2995	EA	5
29493	2.6582	EA	5
29494	2.9901	EA	5
29495	3.3616	EA	5
29496	2.6582	EA	5
29497	3.6759	EA	5
294A	0.2631	EA	25
295	1.1880	EA	5
2950	277.0757	EA	1
295003	2.8368	EA	1
295005	2.8368	EA	1
295006	3.1248	EA	1
295007	3.1248	EA	1
295008	3.1248	EA	1
29501-ID	7.1298	EA	10
29501	7.1298	EA	10
29504-ID	6.6971	EA	10
29504	6.9031	EA	10
29505-ID	8.8470	EA	10
29505	8.5436	EA	10
29506-1	8.1224	EA	10
29506-1ID	8.8470	EA	10
29506-2	6.8207	EA	10
29506-2ID	7.0268	EA	10
29506-4	5.5843	EA	10
29506-4ID	5.7492	EA	10
29507-ID	8.7612	EA	10
29507	8.5436	EA	10
29508-1	8.6178	EA	10
29508-1ID	8.7612	EA	10
29508-ID	8.7612	EA	10
29508	8.1224	EA	10
29509-1	6.3600	EA	10
29509-1ID	8.2529	EA	10
29509-ID	8.7612	EA	10
29509	8.1224	EA	10
2951	282.5879	EA	1
29510-ID	8.2529	EA	10
29510	5.9862	EA	10
29511-1	6.3600	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
29511-1ID.....	8.2529	EA	10
29511-2.....	5.9862	EA	10
29511-2ID.....	8.2529	EA	10
29511-ID.....	8.2529	EA	10
29511.....	5.9862	EA	10
29512-ID.....	9.9563	EA	10
29512.....	6.3600	EA	10
29513-1.....	6.3600	EA	10
29513-1ID.....	8.1533	EA	10
29513-ID.....	6.1325	EA	10
29513.....	5.5843	EA	10
29514-ID.....	8.1533	EA	10
29514.....	5.9862	EA	10
29515-1.....	8.1533	EA	10
29515-1ID.....	8.1533	EA	10
29515-ID.....	8.1533	EA	10
29515.....	6.3600	EA	10
29516-ID.....	8.1533	EA	10
29516.....	6.3600	EA	10
29517-ID.....	5.7148	EA	10
29517.....	5.2134	EA	10
29518-ID.....	8.1533	EA	10
29518.....	6.3388	EA	10
29519-ID.....	8.1533	EA	10
29519.....	6.3388	EA	10
2952-1.....	243.4203	EA	1
2952.....	252.9817	EA	1
29520-ID.....	7.2397	EA	10
29520.....	5.7028	EA	10
29521-ID.....	7.2397	EA	10
29521.....	5.5968	EA	10
29522-ID.....	7.2397	EA	10
29522.....	5.7028	EA	10
29523-ID.....	7.2397	EA	10
29523.....	5.7028	EA	10
29524-ID.....	7.2397	EA	10
29524.....	5.7028	EA	10
29525-ID.....	12.4360	EA	10
29525.....	9.7096	EA	10
29526-ID.....	12.4360	EA	10
29526.....	9.7096	EA	10
29527-ID.....	12.4360	EA	10
29527.....	9.7096	EA	10
29528-ID.....	12.4360	EA	10
29528.....	9.7096	EA	10
29529-ID.....	12.4360	EA	10
29529.....	9.7096	EA	10
2953-1.....	541.2652	RL	1
2953.....	402.6872	EA	1
29530-ID.....	25.1535	EA	5
29530.....	17.9882	EA	5
29531-ID.....	25.1535	EA	5
29531.....	20.2566	EA	5
29532-ID.....	25.1535	EA	5
29532.....	17.9882	EA	5
29533-ID.....	25.1535	EA	5
29533.....	20.2566	EA	5
29534-ID.....	45.0696	EA	1
29534.....	52.7138	EA	1
29535-ID.....	45.0696	EA	1
29535.....	52.7138	EA	1
29536-1.....	45.0696	EA	1
29536-1ID.....	45.0696	EA	1
29536-ID.....	45.0696	EA	1
29536.....	52.7138	EA	1
29537-ID.....	45.0696	EA	1
29537.....	52.7138	EA	1
29538-1.....	80.7934	EA	1
29538-1ID.....	83.2238	EA	1
29538-ID.....	83.2238	EA	1
29539-ID.....	83.2238	EA	1
29539.....	80.7934	EA	1
2954.....	78.1767	BX	1
29540-ID.....	68.6660	EA	1
29540.....	80.7934	EA	1
29541-ID.....	83.2238	EA	1
29541.....	80.7934	EA	1
29545-ID.....	143.3499	EA	1
29545.....	110.4872	EA	1
29546.....	3.6061	EA	10
29547-2.....	4.7475	EA	10
29547-3.....	4.7475	EA	10
29547-4.....	3.4207	EA	10
29547.....	5.2967	EA	10
29548.....	4.2612	EA	10
2955.....	51.4610	EA	1
29550-2.....	4.0182	EA	10
29550.....	4.0182	EA	10
29551.....	4.0182	EA	10
29552.....	4.2612	EA	10
29554.....	4.2612	EA	10
29555.....	4.0182	EA	10
29556.....	3.2012	EA	10
29557.....	3.7842	EA	10
29558.....	3.0051	EA	10
29559.....	3.2012	EA	10
2956.....	55.4168	EA	1
29560.....	3.0051	EA	10
29561.....	3.2012	EA	10
29562.....	3.1322	EA	10
29563.....	3.2012	EA	10
29564.....	3.2012	EA	10
29565.....	3.2012	EA	10
29566.....	4.0182	EA	10
29567-1.....	4.0182	EA	10
29567.....	3.2012	EA	10
29568.....	2.6288	EA	10
29569.....	3.7842	EA	10
2957.....	125.6505	EA	1
29570-1.....	2.5440	EA	10
29570.....	2.5546	EA	10
29571.....	2.5546	EA	10
29572.....	2.5546	EA	10
29573.....	2.5546	EA	10
29574-ID.....	5.7561	EA	10
29574.....	4.6640	EA	10
29575-ID.....	5.7561	EA	10
29575.....	4.6640	EA	10
29576-ID.....	6.1162	EA	10
29576.....	4.7700	EA	10
29577-ID.....	6.1162	EA	10
29577.....	4.6640	EA	10
29578-ID.....	6.1162	EA	10
29578.....	4.6640	EA	10
29579-ID.....	12.9546	EA	5
29579.....	9.4340	EA	5
29581-ID.....	12.9546	EA	5
29581.....	10.4940	EA	5
29582-ID.....	12.9546	EA	5
29582.....	10.4940	EA	5
29583-ID.....	12.9546	EA	5
29583.....	10.4940	EA	5
29584-ID.....	24.1002	EA	1
29584.....	22.4508	EA	1
29585-ID.....	27.1859	EA	1
29585.....	22.4508	EA	1
29586-ID.....	20.2584	EA	1
29586.....	22.4508	EA	1
29588-ID.....	27.7157	EA	1
29588.....	22.4508	EA	1
29591-ID.....	40.2381	EA	1
29591.....	33.9800	EA	1
29593-ID.....	41.3013	EA	1
29593.....	41.3013	EA	1
29595-ID.....	58.7458	EA	1
29595.....	49.5996	EA	1
29597-1.....	6.6353	EA	10
29597.....	6.4155	EA	10
29598.....	6.8158	EA	10
29599.....	6.4155	EA	10
296.....	1.6400	EA	5
2960.....	91.6403	EA	1
29600.....	6.8158	EA	10
29601.....	6.6780	EA	10
29602-1.....	6.4155	EA	10
29602.....	6.8158	EA	10
29603.....	6.8158	EA	10
29604-1.....	6.8158	EA	10
29604.....	6.4155	EA	10
29605.....	6.8158	EA	10
29606.....	6.8158	EA	10
29607.....	6.8158	EA	10
29608.....	6.8158	EA	10
29609.....	6.4155	EA	10
2961.....	116.6188	EA	1
29610.....	6.8158	EA	10
29611.....	6.4155	EA	10
29612.....	6.8158	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
29613	7.0490	EA	10
29614	7.0490	EA	10
29615	7.0490	EA	10
2962	117.1855	EA	1
2963	81.0036	EA	1
29662	1.0918	EA	10
29663	1.0235	EA	10
29664-1	1.2590	EA	10
29664	1.0918	EA	10
29665	1.0235	EA	10
29666-1	1.2590	EA	10
29666-2	1.2590	EA	10
29666	1.0918	EA	10
29667	1.0918	EA	10
29669	0.9858	EA	10
29670	0.9858	EA	10
29671	1.0028	EA	10
29672	1.0706	EA	10
29673	1.5256	EA	10
29674	1.5256	EA	10
29675	1.6073	EA	10
29676	1.5256	EA	10
29677	1.5256	EA	10
29678	7.3454	EA	5
29679	7.8853	EA	5
29681	7.3454	EA	5
29684	15.9635	EA	1
29685	28.0206	EA	1
29686	48.8887	EA	1
29687	5.2119	EA	10
29688-2	5.2119	EA	10
29688	5.2119	EA	10
29689	4.5678	EA	10
29691	4.8230	EA	10
29693	4.6110	EA	10
29694	4.6110	EA	10
29695	4.6110	EA	10
29696	4.6110	EA	10
29697	7.0669	EA	10
29698	7.0669	EA	10
296A	0.1367	EA	25
297	2.6240	EA	5
29700	7.0669	EA	10
29701	7.0669	EA	10
29702	15.8463	EA	5
29704	15.8463	EA	5
29705	16.8222	EA	5
29706	31.5289	EA	1
29707	28.0202	EA	1
29709	62.7382	EA	1
2971	1.3917	EA	10
29712-1	2.9893	EA	10
29712	3.0875	EA	10
29713	3.3072	EA	10
29714	4.1552	EA	10
29715	3.0875	EA	10
29716	3.2012	EA	10
29717-1	3.0841	EA	10
29717	3.0841	EA	10
29718-1	3.2860	EA	10
29718	3.2754	EA	10
29719	3.2860	EA	10
2972	13.6104	EA	10
29720	3.0807	EA	10
29721	2.9680	EA	10
29722	2.9261	EA	10
29723	3.1058	EA	10
29724-1	3.1058	EA	10
29724	2.9261	EA	10
29725	3.1058	EA	10
29726	2.9261	EA	10
29727	3.1058	EA	10
29728	2.9261	EA	10
29729	3.1058	EA	10
29730	2.7558	EA	10
29731	3.1058	EA	10
29732	3.1058	EA	10
29733	3.1058	EA	10
29734-1	3.1058	EA	10
29734	3.1058	EA	10
29735	3.1058	EA	10
29736	3.1058	EA	10
29737	3.1058	EA	10
29738	3.1058	EA	10
29739	3.1058	EA	10
2974	3.0976	EA	10
29740	3.1058	EA	10
29749	0.9161	EA	5
29750	0.9161	EA	5
29751	0.9161	EA	5
29752	0.9161	EA	5
29753	0.9161	EA	5
29754	0.8904	EA	5
29755	0.8904	EA	5
29756	0.8904	EA	5
29757	0.8904	EA	5
29758	0.8904	EA	5
29759	0.8904	EA	5
29760	0.8904	EA	5
29761	0.8904	EA	5
29762	0.8904	EA	5
29763	0.8904	EA	5
29764	0.8904	EA	5
29765-1	1.2316	EA	5
29765-2	1.2316	EA	5
29765	0.8904	EA	5
29766-4	2.1760	EA	5
29767-4	1.9610	EA	5
29770	1.9610	EA	5
29773	1.9610	EA	5
29774-2	1.9610	EA	5
29774	2.0882	EA	5
29775-1	1.9610	EA	5
29775	1.9610	EA	5
29776	2.0882	EA	5
29777	1.9610	EA	5
29778	2.0882	EA	5
29779	2.0882	EA	5
29780	2.0882	EA	5
29781	1.9610	EA	5
29783	1.9610	EA	5
29784	2.0882	EA	5
29785	2.0882	EA	5
29786	2.0882	EA	5
29787	2.0882	EA	5
29788	2.0882	EA	5
29789	1.9610	EA	5
29790	1.9610	EA	5
297A	0.4246	EA	25
298	3.1160	EA	5
298157	0.2045	EA	100
2982	108.5308	BX	1
2983-20	3.9432	EA	5
2983-25	3.9432	EA	5
2983-30	3.9432	EA	5
2985	6.7509	EA	5
2986	6.7509	EA	5
29864	1.7492	EA	5
29865	1.7492	EA	5
29867	1.7492	EA	5
29868	1.7492	EA	5
29869	1.2501	EA	5
2987	6.7411	EA	5
29870	1.6290	EA	5
29871	0.8143	EA	5
29872	3.2531	EA	5
29873	1.6290	EA	5
29874	1.3356	EA	5
29875	1.3462	EA	5
29876-1	1.2467	EA	5
29876	1.2467	EA	5
29877	1.3462	EA	5
29878-1	1.2467	EA	5
29878	1.2467	EA	5
29879	1.3462	EA	5
2988	6.7509	EA	5
29880	1.2467	EA	5
29881	1.1130	EA	5
29883	1.0406	EA	5
29884	1.1130	EA	5
29885	1.0406	EA	5
29886	1.0406	EA	5
29887-1	1.0406	EA	5
29887	1.1130	EA	5
29888	1.1130	EA	5
29889	1.1130	EA	5
2989	6.7411	EA	5
29890	1.0406	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
29891	1.1130	EA	5
29892	1.1130	EA	5
29893	1.1130	EA	5
29895	1.1130	EA	5
29896	1.1130	EA	5
29898	1.2932	EA	5
29899	1.2932	EA	5
298A	0.3454	EA	25
299	1.4760	EA	5
2990	5.8406	EA	5
29900	1.2932	EA	5
29901	1.2932	EA	5
29902	1.2932	EA	5
29903	1.2932	EA	5
2991	5.8406	EA	5
2992	5.8406	EA	5
2993	5.8406	EA	5
2994	4.0371	EA	5
2995	5.8406	EA	5
2996-20	6.3571	EA	5
2996-30	6.1709	EA	5
299A	1.3674	EA	25
2JS20-6-6	24.3122	EA	2
2JS20-8-8	38.9699	EA	2
30	1.1280	EA	10
300	2.5440	EA	5
30000	0.2850	EA	100
30001	0.2900	EA	100
30002	0.3180	EA	100
30003	0.3282	EA	100
30004	0.3325	EA	100
30005	0.3470	EA	100
30006	0.3550	EA	100
30007	0.3600	EA	100
30008	0.3800	EA	100
30009	0.4015	EA	100
30010	0.4330	EA	100
30011	0.4400	EA	100
30012	0.4875	EA	100
30013	0.4985	EA	50
30014	0.5025	EA	100
30016	0.5670	EA	50
30017	0.7264	EA	50
30018	0.9439	EA	50
30019	0.9058	EA	50
30020	1.2349	EA	50
30025	0.3030	EA	100
30026	0.3119	EA	100
30027	0.3270	EA	100
30028	0.3397	EA	100
30029	0.3480	EA	100
30030	0.3735	EA	100
30031	0.3975	EA	100
30032	0.4000	EA	100
30033	0.4315	EA	100
30034	0.4490	EA	100
30035	0.4500	EA	100
30036	0.4700	EA	100
30037	0.5225	EA	100
30038	0.5514	EA	100
30039	0.6150	EA	100
30040	0.6500	EA	100
30041	0.7393	EA	50
30042	0.8008	EA	50
30043	1.2706	EA	50
30044	1.3096	EA	50
30050	0.4050	EA	100
30051	0.4542	EA	100
30052	0.4800	EA	100
30053	0.4813	EA	100
30054	0.4915	EA	100
30055	0.5000	EA	100
30056	0.5370	EA	100
30057	0.5500	EA	100
30058	0.5825	EA	50
30059	0.5900	EA	50
30060	0.6250	EA	50
30061	0.6600	EA	50
30062	0.7570	EA	50
30063	0.7200	EA	50
30064	0.7915	EA	50
30065	0.7938	EA	25
30066	0.8000	EA	25
30067	0.8800	EA	25
30068	1.0550	EA	25
30069	1.0850	EA	25
30070	1.1587	EA	25
30071	1.4674	EA	25
30077	0.4520	EA	100
30079	0.5550	EA	100
30080	0.6075	EA	100
30081	0.6290	EA	100
30082	0.6400	EA	100
30083	0.6405	EA	50
30084	0.6407	EA	50
30085	0.6869	EA	50
30086	0.7208	EA	25
30087	0.7556	EA	25
30088	0.8318	EA	25
30089	0.8771	EA	25
30091	0.9674	EA	25
30092	1.2175	EA	25
30093	1.2895	EA	25
30094	1.3344	EA	25
30095	1.4971	EA	25
300A	1.7490	EA	25
300EMT	4.3554	EA	10
301	2.3800	EA	5
30102	0.6773	EA	50
30104	0.7000	EA	50
30105	0.7225	EA	50
30106	0.7415	EA	50
30107	0.7600	EA	50
30108	0.8050	EA	50
30109	0.8600	EA	25
30110	0.0558	EA	50
30111	1.0400	EA	25
30112	0.0640	EA	50
30113	1.1500	EA	25
30114	1.1750	EA	25
30115	1.1785	EA	25
30116	1.2100	EA	25
30117	1.2241	EA	25
30118	1.2961	EA	25
30119	1.6843	EA	25
30120	1.7959	EA	25
30121	4.2022	EA	25
30122	5.4106	EA	25
30123	6.6826	EA	25
30124	7.0324	EA	10
30130-1	0.6699	EA	25
30130	0.7378	EA	25
30131	0.8107	EA	25
30132	0.8767	EA	25
30133	0.9340	EA	25
30134	1.0015	EA	10
30135	1.0417	EA	10
30137	1.6794	EA	10
301380	17.3734	EA	1
30139	1.3714	EA	10
301390	17.3734	EA	1
30141	1.5115	EA	10
301410	17.3734	EA	1
30142	1.9297	EA	10
301420	17.3734	EA	1
30143	1.7989	EA	10
301430	17.3734	EA	1
30144	3.2617	EA	10
301440	17.3734	EA	1
30145-1	1.0161	EA	25
30145-10	14.9188	EA	10
30145-11/2	1.1500	EA	25
30145-11/4	1.0491	EA	25
30145-13/4	1.1750	EA	25
30145-2	1.2000	EA	25
30145-21/2	0.0956	EA	50
30145-21/4	1.2966	EA	25
30145-23/4	1.4400	EA	25
30145-3	0.1002	EA	50
30145-31/2	2.1225	EA	25
30145-31/4	2.0000	EA	25
30145-33/4	2.2462	EA	25
30145-4	2.2000	EA	25
30145-41/2	1.8840	EA	25
30145-5	1.9309	EA	25
30145-51/2	1.0494	EA	25
30145-6	6.6090	EA	25
30145-61/2	6.6190	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
30145-7.....	6.7688	EA	10
30145-71/2.....	7.5412	EA	10
30145-8.....	7.7320	EA	10
30145-9.....	10.8802	EA	10
301450.....	17.3734	EA	1
301460.....	17.3734	EA	1
301470.....	17.3734	EA	1
301480.....	20.8502	EA	1
301500.....	23.8924	EA	1
301510.....	23.8924	EA	1
301530.....	23.8924	EA	1
301540.....	23.8924	EA	1
301550.....	23.8924	EA	1
301560.....	23.8924	EA	1
301570.....	23.8924	EA	1
301580.....	23.8924	EA	1
301590.....	23.8924	EA	1
3016.....	1.0706	EA	5
30160-1.....	1.5500	EA	25
30160-10.....	19.3072	EA	10
30160-11/2.....	1.6825	EA	25
30160-11/4.....	1.5950	EA	25
30160-13/4.....	1.7015	EA	25
30160-2.....	1.7420	EA	25
30160-21/2.....	1.7925	EA	25
30160-21/4.....	1.7500	EA	25
30160-23/4.....	1.8050	EA	25
30160-3.....	1.8225	EA	25
30160-31/2.....	1.9520	EA	25
30160-31/4.....	1.8300	EA	25
30160-33/4.....	3.9800	EA	25
30160-4.....	2.0315	EA	25
30160-41/2.....	2.7325	EA	25
30160-5.....	2.9655	EA	25
30160-51/2.....	3.0787	EA	25
30160-6.....	8.1354	EA	20
30160-61/2.....	8.1454	EA	20
30160-7.....	9.4810	EA	10
30160-71/2.....	10.4350	EA	10
30160-8.....	10.3078	EA	10
30160-81/2.....	10.5769	EA	10
30160-9.....	14.5054	EA	10
301600.....	28.6518	EA	1
301620.....	28.9592	EA	1
301630.....	28.9592	EA	1
30165-10.....	41.2174	EA	10
30165-11/2.....	2.4889	EA	25
30165-13/4.....	3.2389	EA	25
30165-2.....	3.5861	EA	25
30165-21/2.....	3.6050	EA	25
30165-21/4.....	2.7898	EA	25
30165-3.....	3.5220	EA	25
30165-31/2.....	3.7500	EA	25
30165-31/4.....	3.2587	EA	25
30165-4.....	3.8550	EA	25
30165-41/2.....	3.9000	EA	25
30165-5.....	4.6050	EA	25
30165-51/2.....	5.3500	EA	25
30165-6.....	5.7550	EA	25
30165-61/2.....	13.9330	EA	10
30165-7.....	15.6000	EA	10
30165-71/2.....	16.6678	EA	10
30165-8.....	17.9716	EA	10
30165-9.....	23.9818	EA	10
301650.....	28.9592	EA	1
301660.....	28.9592	EA	1
301670.....	28.9592	EA	1
301680.....	28.9592	EA	1
301690.....	28.9592	EA	1
30170-10.....	36.9880	EA	10
30170-2.....	3.7564	EA	25
30170-21/2.....	3.8980	EA	25
30170-3.....	4.3018	EA	20
30170-31/2.....	4.5604	EA	20
30170-4.....	5.0290	EA	16
30170-41/2.....	5.2516	EA	16
30170-5.....	5.8240	EA	12
30170-51/2.....	6.0466	EA	12
30170-6.....	6.7462	EA	12
30170-61/2.....	20.0068	EA	10
30170-7.....	22.5190	EA	10
30170-71/2.....	23.6002	EA	10
30170-8.....	27.7660	EA	10
30170-81/2.....	18.9562	EA	10
30170-9.....	33.4582	EA	10
301700.....	28.9592	EA	1
301710.....	28.9592	EA	1
30172-4.....	11.1138	EA	10
30172-41/2.....	12.7572	EA	5
30172-5.....	14.3667	EA	10
30172-6.....	17.0694	EA	10
30172-7.....	20.9724	EA	5
301720.....	33.5914	EA	1
30174-10.....	35.0232	EA	5
30174-3.....	11.7501	EA	10
30174-4.....	15.2958	EA	10
30174-41/2.....	16.4739	EA	5
30174-5.....	19.4616	EA	10
30174-6.....	23.0232	EA	10
30174-7.....	29.4150	EA	5
30174-8.....	35.0436	EA	5
30174-9.....	34.1331	EA	5
30175.....	0.0804	EA	100
30177.....	0.0804	EA	100
30178.....	0.0804	EA	100
30179.....	0.0740	EA	100
30180.....	0.1011	EA	100
30181.....	0.1134	EA	100
30182.....	0.1326	EA	100
30183.....	0.1437	EA	100
30184.....	0.1686	EA	100
30185.....	0.1779	EA	100
30186.....	0.2088	EA	100
30187.....	0.2343	EA	100
30189.....	0.2907	EA	100
30191.....	0.4833	EA	50
301A.....	1.4098	EA	25
302.....	3.3200	EA	5
30200.....	0.1134	EA	100
30201.....	0.1110	EA	100
30202.....	0.1170	EA	100
30203.....	0.1167	EA	100
30204.....	0.1251	EA	100
30205.....	0.1494	EA	100
30206.....	0.1677	EA	100
30207.....	0.1950	EA	100
30208.....	0.2112	EA	100
30209.....	0.2343	EA	100
30210.....	0.2544	EA	100
30211.....	0.3015	EA	100
30212.....	0.3177	EA	100
30214.....	0.3438	EA	100
30215.....	0.5031	EA	100
30216.....	0.6657	EA	50
302240.....	3.1274	EA	1
30225.....	0.1461	EA	100
30227.....	0.1677	EA	100
30229.....	0.1860	EA	100
30230.....	0.2046	EA	100
30231.....	0.2325	EA	100
30232.....	0.2562	EA	100
30233.....	0.2772	EA	50
30234.....	0.2769	EA	50
30235.....	0.3249	EA	50
30236.....	0.3561	EA	50
30237.....	0.3855	EA	50
30238.....	0.4653	EA	50
30239.....	0.4977	EA	50
30240.....	0.5625	EA	25
30241.....	0.6117	EA	25
30242.....	0.8121	EA	25
30243.....	0.8421	EA	25
30244.....	0.9837	EA	25
30245.....	1.0587	EA	25
30252.....	0.2520	EA	100
30254.....	0.2715	EA	100
30255.....	0.3045	EA	100
30256.....	0.3510	EA	100
30257.....	0.3795	EA	100
30258.....	0.4149	EA	50
30259.....	0.4407	EA	50
30260.....	0.4869	EA	50
30261.....	0.5106	EA	25
30262.....	0.5556	EA	25
30263.....	0.6348	EA	25
30264.....	0.6771	EA	25
30266.....	0.7674	EA	25
30267.....	1.0098	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
30268.....	1.0620	EA	25
30269.....	1.3344	EA	25
30270.....	1.3971	EA	25
30277.....	0.3273	EA	50
30279.....	0.3606	EA	50
30280.....	0.0146	EA	50
30281.....	0.4452	EA	50
30282.....	0.5160	EA	50
30283.....	0.5361	EA	50
30284.....	0.6024	EA	25
30285.....	0.6330	EA	25
30286.....	0.6903	EA	25
30287.....	0.7410	EA	25
30288.....	0.8319	EA	25
30289.....	0.9081	EA	25
30291.....	0.9690	EA	25
30292.....	1.2309	EA	25
30293.....	1.3137	EA	25
30294.....	1.4118	EA	25
30295.....	1.6959	EA	25
30297.....	2.1963	EA	25
303.....	2.9520	EA	5
30304.....	0.6378	EA	25
30305.....	0.6699	EA	25
30306.....	0.7107	EA	25
30307.....	0.7467	EA	25
30308.....	0.8340	EA	25
30309.....	0.8310	EA	10
30310.....	0.9417	EA	10
30312.....	1.0794	EA	10
30314.....	1.2714	EA	10
30316.....	1.4115	EA	10
30317.....	1.9689	EA	10
30318.....	1.6848	EA	10
30319.....	2.6331	EA	10
30320-1.....	0.7161	EA	25
30320-11/2.....	0.7839	EA	25
30320-11/4.....	0.7491	EA	25
30320-13/4.....	0.8670	EA	25
30320-2.....	0.9147	EA	25
30320-21/2.....	1.0761	EA	25
30320-21/4.....	0.9966	EA	25
30320-23/4.....	1.1331	EA	25
30320-3.....	1.2153	EA	25
30320-31/2.....	1.3893	EA	25
30320-4.....	1.5267	EA	25
30320-41/2.....	1.7079	EA	25
30320-5.....	1.8303	EA	25
30320-51/2.....	1.9800	EA	25
30320-6.....	2.0301	EA	25
30320-61/2.....	3.5487	EA	25
30320-7.....	3.9174	EA	10
30320-8.....	4.4595	EA	10
303290.....	18.0429	EA	1
30330-2.....	1.5594	EA	25
30330-21/2.....	1.7652	EA	25
30330-21/4.....	1.6317	EA	25
30330-23/4.....	1.8411	EA	25
30330-3.....	1.9569	EA	25
30330-31/2.....	2.0976	EA	25
30330-4.....	2.0733	EA	25
30330-41/2.....	2.6331	EA	25
30330-5.....	2.8743	EA	25
303300.....	18.0429	EA	1
303310.....	18.0429	EA	1
303320.....	18.0429	EA	1
303330.....	18.0429	EA	1
303340.....	18.0429	EA	1
30335-2.....	2.4861	EA	25
30335-21/2.....	2.7933	EA	25
30335-3.....	3.0927	EA	25
303350.....	18.7143	EA	1
303356.....	31.4728	EA	1
30360.....	0.3834	EA	100
30361.....	0.4311	EA	100
30362.....	0.7314	EA	100
30363.....	0.4886	EA	100
30364.....	0.5498	EA	100
30365.....	0.7987	EA	100
30366.....	0.8692	EA	100
30367.....	1.7066	EA	50
303A.....	0.6391	EA	25
304.....	2.7480	EA	5
305.....	1.4360	EA	5
305010.....	25.0409	EA	1
305020.....	25.3294	EA	1
30555.....	1.2825	EA	50
30561.....	1.0700	EA	50
30562.....	1.0900	EA	50
30563.....	1.1000	EA	50
30565.....	1.1300	EA	50
30567.....	1.4300	EA	50
30570.....	0.6800	EA	100
30571.....	0.6900	EA	100
30572-1.....	0.6666	EA	100
30572.....	0.0968	EA	50
30573.....	0.1130	EA	50
30574.....	0.7400	EA	100
30575.....	0.7700	EA	100
30576.....	0.6800	EA	100
30577-1.....	0.8000	EA	100
30577.....	0.7900	EA	100
30578-1.....	0.7200	EA	100
30578.....	0.8100	EA	100
30579-1.....	0.8700	EA	50
30579-2.....	0.9000	EA	50
30579.....	0.8400	EA	100
3057LL.....	1.6960	EA	10
30580.....	0.6800	EA	100
30581.....	0.6970	EA	100
30582-1.....	0.6001	EA	100
30582.....	0.7100	EA	100
30583.....	0.7900	EA	100
30584.....	0.8400	EA	100
30585.....	0.9700	EA	100
30586-1.....	1.0400	EA	100
30586.....	0.9800	EA	100
30587.....	0.9900	EA	100
30588.....	1.0000	EA	100
30589-1.....	1.0200	EA	100
30589-3.....	1.1200	EA	50
30589-4.....	1.0900	EA	50
30589.....	1.0100	EA	100
30590.....	0.8200	EA	100
30591.....	0.0180	EA	50
30592.....	0.0210	EA	50
30593.....	0.0230	EA	50
30594.....	0.0270	EA	50
30595.....	1.1200	EA	100
30596.....	0.0360	EA	25
30597.....	1.1400	EA	100
30598-23/4.....	1.1600	EA	50
30598.....	0.0412	EA	25
30599-2.....	1.0800	EA	50
30599-3.....	1.0700	EA	50
305A.....	0.4650	EA	25
306.....	1.6400	EA	5
30600-1.....	0.8720	EA	50
30600.....	1.2200	EA	50
30601-11/4.....	1.0181	EA	50
30601.....	0.9339	EA	50
306010.....	23.4542	EA	1
30602-13/4.....	1.2056	EA	50
30602.....	1.0832	EA	50
306020.....	28.5458	EA	1
30603-21/4.....	1.4614	EA	50
30603.....	0.0652	EA	25
306030.....	67.1722	EA	1
30604-1.....	1.7158	EA	25
30604-10.....	3.3694	EA	10
30604-11.....	3.5238	EA	10
30604-12.....	3.6086	EA	10
30604-13.....	4.2976	EA	10
30604-14.....	3.8100	EA	10
30604-15.....	3.9372	EA	10
30604-16.....	4.2976	EA	10
30604-17.....	4.1916	EA	10
30604-18.....	4.2976	EA	10
30604-19.....	5.0714	EA	10
30604-1X.....	0.1060	EA	25
30604-2.....	0.0174	EA	50
30604-20.....	5.6332	EA	10
30604-21.....	5.7604	EA	5
30604-21/4.....	2.5320	EA	10
30604-22.....	6.4282	EA	5
30604-23.....	7.1808	EA	5
30604-23/4.....	1.6416	EA	50
30604-24.....	8.2514	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
30604-25	4.6368	EA	10
30604-26	3.7464	EA	10
30604-27	5.1880	EA	10
30604-2X	1.8618	EA	25
30604-3	0.0890	EA	50
30604-30	7.1490	EA	10
30604-31	7.2292	EA	10
30604-31/4	1.6946	EA	25
30604-32	7.7108	EA	5
30604-33	8.5588	EA	5
30604-33/4	1.8138	EA	25
30604-34	9.8626	EA	5
30604-35	10.5516	EA	5
30604-37	12.3642	EA	5
30604-38	11.6752	EA	5
30604-39	13.4030	EA	5
30604-3X	2.3048	EA	25
30604-4	2.3730	EA	25
30604-40	9.2690	EA	5
30604-41	10.7636	EA	5
30604-42	11.6010	EA	5
30604-43	12.8836	EA	5
30604-44	13.9860	EA	5
30604-45	13.9966	EA	1
30604-46	15.5336	EA	1
30604-47	19.0422	EA	1
30604-48	21.8724	EA	1
30604-4X	2.6440	EA	25
30604-5	0.1160	EA	50
30604-51/2	3.0398	EA	25
30604-5X	3.4794	EA	25
30604-6	4.7110	EA	10
30604-7	2.7758	EA	10
30604-8	2.7546	EA	10
30604-9	2.9772	EA	10
30604-X	0.0860	EA	25
30604	1.6098	EA	50
30605	0.0388	EA	50
30606	0.6000	EA	100
30607	0.0816	EA	50
30608	0.7200	EA	50
30609-1	0.4260	EA	50
30609-2	1.6650	EA	50
30609-3	3.1310	EA	25
30609-4	4.5096	EA	25
30609	0.0180	EA	50
30617	0.1190	EA	100
30618	0.2015	EA	100
30619	0.3231	EA	100
30621	0.4885	EA	50
30631	0.0800	EA	50
30632	0.0950	EA	50
30633	0.1280	EA	50
30634	0.4950	EA	50
30635	0.5175	EA	50
30636	0.5800	EA	50
30637	0.7250	EA	25
30638	0.8800	EA	25
30639	1.3955	EA	25
30640	1.5200	EA	25
30645	0.1080	EA	50
30646	0.1950	EA	50
30647	0.2175	EA	50
30648	0.2800	EA	50
30650	0.5800	EA	25
30660	12.5000	EA	1
30661	17.0000	EA	1
30662	23.0000	EA	1
30663	30.0496	EA	1
30664	36.5000	EA	1
30665	50.8362	EA	1
30666	60.5140	EA	1
30667	99.7022	EA	1
30668	125.1316	EA	1
30669	0.0292	EA	100
30670	23.5000	EA	1
30671	30.0000	EA	1
30672	45.0000	EA	1
30673	51.9068	EA	1
30674	71.0398	EA	1
30675	87.8726	EA	1
30676	126.0000	EA	1
30677	172.5666	EA	1
30678	216.4188	EA	1
306A	0.4650	EA	25
307	2.2960	EA	5
30705	0.0283	EA	100
30706	0.0387	EA	100
30707	0.0392	EA	100
30708	0.0527	EA	100
30709	0.0644	EA	100
307090	23.8924	EA	1
30710-X	0.0448	EA	250
30710	0.1250	EA	100
307100	25.4654	EA	1
30711-X	0.1551	EA	250
30711	0.1800	EA	100
307110	23.8924	EA	1
30712-1	0.2740	EA	100
30712	0.2200	EA	100
307120	29.8602	EA	1
30713	0.0478	EA	100
307130	29.8602	EA	1
30714-T	0.3920	EA	10
30714	0.3920	EA	50
307140	28.4643	EA	1
30715-T	0.5300	EA	10
30715	0.5300	EA	50
307150	35.8280	EA	1
30716	0.5570	EA	25
30717	0.6280	EA	25
30720	0.0216	EA	100
30721	0.3656	EA	100
30722-1	0.4996	EA	100
30722	0.0499	EA	100
30723	0.1255	EA	100
30724	0.1788	EA	100
30725	0.6250	EA	25
30726	0.5600	EA	25
30727	0.6840	EA	25
30730	0.1900	EA	25
30731	0.2127	EA	25
30732	0.2332	EA	25
30733	0.3950	EA	25
30734	0.3119	EA	25
30735	0.4980	EA	25
30736	0.3628	EA	25
30737	0.3828	EA	25
30738	0.6388	EA	25
30739	0.3606	EA	25
30740	0.2970	EA	25
30741	0.3385	EA	25
30742	0.3554	EA	25
30743	0.3697	EA	25
30744	0.5770	EA	25
30745	0.6010	EA	10
30746	0.6285	EA	10
30747	0.6697	EA	10
30748	0.4946	EA	25
30749	0.3921	EA	25
3075	0.2863	EA	50
30750	0.4727	EA	25
30751	0.4959	EA	25
30752	0.5887	EA	25
30753	0.9445	EA	25
30754	0.7208	EA	10
30755	1.1814	EA	10
30756	0.8586	EA	10
30757	1.0475	EA	10
30758	0.9964	EA	10
30759	1.5627	EA	10
30760	1.1660	EA	10
30761	1.8374	EA	10
30762-1	2.0091	EA	10
30762	1.3780	EA	10
30763	1.5900	EA	10
30764	1.7914	EA	10
30765-A	0.0561	EA	100
30765	0.0849	EA	25
30766-A	0.0934	EA	100
30766	0.1211	EA	25
30767-C	0.1121	EA	500
30767	0.1700	EA	25
30768	0.3606	EA	10
30769	0.6457	EA	10
3077	0.1578	EA	25
30770	0.0293	EA	25
30771	0.0443	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
30772	0.0694	EA	25
30773	0.1329	EA	10
30774	0.2662	EA	10
30775	0.1057	EA	25
30776	0.1700	EA	25
30777	0.1927	EA	25
30778	0.4645	EA	10
30779	0.7727	EA	10
30780	1.6290	EA	10
30781	1.7106	EA	10
30782	1.7919	EA	10
30783	1.9549	EA	10
30784	2.1994	EA	10
30785	2.5252	EA	10
30786	2.6879	EA	10
30787	2.8835	EA	10
308	2.9120	EA	5
30800	0.0380	EA	100
30801	0.4325	EA	100
30802	0.0427	EA	100
30803	0.5240	EA	100
30804	0.0830	EA	100
30805	0.5320	EA	100
30806	0.7300	EA	50
30807	0.7800	EA	25
30808	0.8500	EA	25
30850	2.9275	EA	5
30851	2.9275	EA	5
30852	3.1317	EA	5
30853	3.1943	EA	5
30854	3.2923	EA	3
30855	3.6600	EA	3
30856	4.1502	EA	3
30857	4.3953	EA	3
30858	4.7952	EA	2
30859	5.4108	EA	2
30860	5.9391	EA	2
30861	6.7435	EA	2
30862	8.1860	EA	2
30870	4.7806	EA	5
30871	4.5898	EA	5
30872	4.9714	EA	5
30873	5.0986	EA	5
30874	5.2258	EA	3
30875	5.4908	EA	3
30876	6.1480	EA	3
30877	6.5932	EA	3
30878-1	8.9782	EA	2
30878	7.7062	EA	2
30879	10.1972	EA	2
30880	11.2148	EA	2
30881	13.5574	EA	2
30882	17.5727	EA	2
30883	21.3166	EA	2
30884	31.2594	EA	2
30885	39.8984	EA	2
30890	0.7353	EA	5
30891	7.5000	EA	5
30892	0.1600	EA	100
30893	0.2010	EA	100
30894	3.5000	EA	5
30895	2.7550	EA	10
30896	3.2000	EA	3
30897	3.7000	EA	3
30898	49.0000	EA	1
30899	1.0622	EA	3
308A	0.5210	EA	25
309	1.8440	EA	5
30900	3.8000	EA	1
30901	4.0000	EA	1
30902	4.2300	EA	5
30903	1.4707	EA	2
30904	5.5000	EA	10
30905	1.7158	EA	2
30906	0.7815	EA	100
30907	0.7580	EA	100
30908	1.1000	EA	50
30909	2.5737	EA	2
30910	1.1540	EA	50
30911	2.8597	EA	2
30912	0.7760	EA	50
30913	4.0852	EA	2
30914	4.0852	EA	2
30915	4.0852	EA	1
30916	4.9023	EA	2
30917	5.0657	EA	2
30918	4.9023	EA	2
30919	5.7602	EA	2
30920	1.2200	EA	50
30921	8.0071	EA	2
30975	2.0730	EA	10
30976	2.3108	EA	10
30977	2.9900	EA	10
30978	3.5682	EA	10
30979	2.4796	EA	25
30982	0.6882	EA	50
30983	1.4125	EA	25
30984	1.4776	EA	25
30985-1	1.6384	EA	25
30985	1.5511	EA	25
30986-1	1.6993	EA	25
30986	1.6642	EA	25
30987	1.7601	EA	25
30988	2.1208	EA	25
30989	3.0846	EA	25
309A	0.3534	EA	50
30A	1.1573	EA	25
31	0.9220	EA	10
310	2.6240	EA	5
31024	0.0175	EA	100
31025	0.0448	EA	100
31026	0.0029	EA	100
31027	0.0062	EA	100
31030	0.0237	EA	100
31031	0.1495	EA	50
31032	0.1056	EA	100
31033	0.3110	EA	50
31044	0.2418	EA	100
31045	0.0119	EA	100
31046	0.0670	EA	100
31047	0.0165	EA	50
31051	0.1442	EA	50
31052	0.1968	EA	50
31056	0.1659	EA	100
31057	0.0726	EA	50
31059	0.1334	EA	100
31066	0.1031	EA	50
31067	0.1436	EA	50
31068	0.2349	EA	50
31069-5	0.0135	EA	50
31069-6	0.0152	EA	50
31069-7	0.0181	EA	50
31069-8	0.0190	EA	50
31070-1	0.0146	EA	50
31070	0.0142	EA	50
31071-1	0.0254	EA	50
31071	0.0160	EA	50
31072	0.0177	EA	50
31073-1	0.0346	EA	50
31073-2	0.0243	EA	50
31073-3	0.0270	EA	50
31073	0.0204	EA	50
31075-1	0.0195	EA	50
31075	0.0184	EA	50
31076-1	0.0319	EA	50
31076	0.0204	EA	50
31077	0.0229	EA	50
31078-1	0.0307	EA	50
31078-2	0.0470	EA	50
31078-3	0.0578	EA	50
31078	0.0248	EA	50
31080	0.0320	EA	50
31081	0.0235	EA	50
31082	0.0260	EA	50
31083-1	0.0343	EA	50
31083	0.0300	EA	50
31084-1	0.0678	EA	50
31084-2	0.0701	EA	50
31084-3	0.0737	EA	50
31084-X	0.0783	EA	50
31084	0.0480	EA	50
31085-1	0.0326	EA	50
31085	0.0202	EA	50
31086-1	0.0374	EA	50
31086	0.0235	EA	50
31087	0.0260	EA	50
31088-1	0.0542	EA	50
31088	0.0300	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
31089-1.....	0.0678	EA	50
31089-2.....	0.1631	EA	50
31089-X.....	0.0395	EA	50
31089.....	0.0480	EA	50
31090.....	0.0287	EA	50
31091.....	0.0332	EA	50
31092-1.....	0.0378	EA	50
31092.....	0.0363	EA	50
31093.....	0.0507	EA	50
311.....	2.7080	EA	5
31118.....	0.2277	EA	150
31120-1.....	0.0152	EA	100
31120.....	0.0270	EA	100
31121-1.....	0.0188	EA	100
31121.....	0.0362	EA	100
31122.....	0.0284	EA	100
31123.....	0.0292	EA	100
31124.....	0.0290	EA	100
31125.....	0.0332	EA	100
31126.....	0.0300	EA	100
31127-1.....	0.0220	EA	100
31127-2.....	0.0335	EA	100
31127-3.....	0.0372	EA	100
31127-5.....	0.0312	EA	50
31127-6.....	0.0773	EA	50
31127.....	0.0312	EA	100
31128.....	0.0366	EA	100
31129.....	0.0390	EA	100
31130.....	0.0200	EA	100
31131.....	0.0430	EA	100
31132.....	0.0454	EA	100
31133-1.....	0.0305	EA	100
31133-2.....	0.0463	EA	50
31133-3.....	0.0541	EA	50
31133-4.....	0.0604	EA	50
31133-5.....	0.0664	EA	50
31133-X.....	0.0374	EA	100
31133.....	0.0240	EA	100
31134.....	0.0416	EA	100
31135-1.....	0.0232	EA	100
31135-A.....	0.0350	EA	100
31135.....	0.0315	EA	100
31136.....	0.0338	EA	100
31137.....	0.1460	EA	100
31138.....	0.0680	EA	50
31139.....	0.0415	EA	50
31140.....	0.0105	EA	50
31141.....	0.0458	EA	50
31142-1.....	0.0729	EA	50
31142-3.....	0.0800	EA	50
31142.....	0.1390	EA	50
31143-1.....	0.0320	EA	100
31143.....	0.0398	EA	100
31144-1.....	0.0381	EA	100
31144.....	0.0470	EA	100
31145.....	0.0342	EA	100
31146-1.....	0.0340	EA	100
31146.....	0.0596	EA	100
31147.....	0.0440	EA	50
31148.....	0.0468	EA	50
31149.....	0.0470	EA	100
31150.....	0.0500	EA	100
31151.....	0.0575	EA	100
31152.....	0.1044	EA	100
31153-1.....	0.0378	EA	100
31153.....	0.0690	EA	100
31154-2.....	0.0750	EA	50
31154-3.....	0.1288	EA	50
31154.....	0.1000	EA	50
31160.....	0.0180	EA	50
31161.....	0.0201	EA	50
31162.....	0.0771	EA	50
31163.....	0.0241	EA	50
31164-1.....	0.0271	EA	50
31164-2.....	0.0306	EA	50
31164-3.....	0.0326	EA	50
31164.....	0.0258	EA	50
31165.....	0.0322	EA	50
31166.....	0.0850	EA	50
311861.....	0.1426	EA	100
311862.....	0.1503	EA	100
311A.....	2.8027	EA	25
312.....	3.0360	EA	5
3120.....	0.1463	EA	25
31201.....	0.2350	EA	200
31202.....	0.3750	EA	200
31203.....	0.2825	EA	200
31204.....	0.4340	EA	100
31205.....	0.3510	EA	50
31206.....	0.4867	EA	50
31207.....	0.6015	EA	50
31208.....	1.0579	EA	50
31209.....	1.8508	EA	25
3121.....	0.0331	EA	50
31210-11/2.....	3.7100	EA	10
31210-11/4.....	1.6500	EA	10
31210-11/8.....	1.3496	EA	10
31210.....	2.5960	EA	25
31211.....	0.2350	EA	200
31212.....	0.2750	EA	200
31213.....	0.2825	EA	200
31214.....	0.2915	EA	100
31215.....	0.3500	EA	50
31216.....	0.3720	EA	50
31217.....	0.4275	EA	50
31218.....	0.6400	EA	50
31219.....	0.6550	EA	25
3122.....	0.9200	EA	50
31220-11/2.....	3.7100	EA	10
31220-11/4.....	1.6500	EA	10
31220-11/8.....	1.3496	EA	10
31220.....	0.9040	EA	25
31230.....	0.0395	EA	100
31231.....	0.0594	EA	100
31232.....	0.0614	EA	100
31233.....	0.0647	EA	100
31234-1.....	0.1162	EA	100
31234.....	0.0647	EA	100
31235.....	0.1530	EA	100
31237.....	0.2423	EA	100
31238.....	0.1530	EA	100
31239.....	0.1865	EA	100
31240.....	0.2423	EA	100
31242.....	0.0125	EA	100
31243.....	0.0180	EA	100
31244.....	0.0130	EA	100
31245.....	0.0133	EA	100
31246.....	0.1139	EA	100
31247.....	0.0165	EA	100
31248.....	0.1600	EA	100
31253.....	0.0399	EA	100
31254.....	0.0416	EA	100
31255.....	0.0141	EA	100
31257.....	0.1500	EA	100
31270.....	0.0779	EA	100
31271.....	0.1206	EA	50
31276.....	0.1075	EA	100
31277.....	0.1353	EA	100
31279.....	0.2078	EA	100
31281.....	0.3990	EA	25
31282.....	0.4752	EA	25
31283.....	0.6355	EA	25
31284.....	0.7444	EA	25
31285.....	0.8774	EA	25
31286.....	1.3703	EA	25
31287.....	2.2684	EA	25
31288.....	3.2648	EA	25
31289.....	6.0526	EA	25
31290.....	5.3137	EA	10
31298.....	0.0838	EA	100
31299.....	0.0838	EA	100
313.....	2.6240	EA	5
3130.....	0.2789	EA	25
31300.....	0.0230	EA	500
31301.....	0.1470	EA	250
31302.....	0.1485	EA	250
31303.....	0.1500	EA	250
31304.....	0.2400	EA	100
31305.....	0.3015	EA	100
31306.....	0.3100	EA	50
31307.....	0.2425	EA	50
31308.....	0.1146	EA	50
31309.....	0.5150	EA	20
31310.....	0.5900	EA	20
31311.....	0.3441	EA	20
31312.....	0.4256	EA	20
31313.....	2.1825	EA	10
31314.....	0.6172	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX	ITEM NO.	NET PRICE	UOM	QUAN BOX	ITEM NO.	NET PRICE	UOM	QUAN BOX
31320	0.0072	EA	250	31376	0.1349	EA	250	31438	3.6576	LB	2
31321	0.0100	EA	250	31377	0.1350	EA	250	31439	2.1637	LB	5
31322	0.0120	EA	250	31378	0.1365	EA	250	31440	2.1637	LB	5
31323	0.0120	EA	250	31379	0.1580	EA	100	31442	2.4899	LB	5
31324	0.0125	EA	250	31383	0.1578	EA	100	31444	2.1637	LB	5
31325	0.1438	EA	250	31384	0.1100	EA	100	31445	2.3354	LB	5
31326	0.1462	EA	250	31385	0.2608	EA	100	31446	2.2839	LB	5
31327	0.0500	EA	250	31386	0.1440	EA	100	31447	2.2839	LB	5
31328	0.0510	EA	250	31387	0.2993	EA	50	31448	2.2839	LB	5
31329	0.1715	EA	250	31388	0.2365	EA	50	31449-3/4	2.6325	LB	5
31330	0.0715	EA	100	31389	0.2776	EA	50	31449-5/8	2.4899	LB	5
31331	0.1800	EA	100	31390	0.8421	EA	20	31449	2.2839	LB	5
31332	0.4200	EA	50	31391-1	0.4468	EA	20	31452	2.1500	EA	10
31333	0.5025	EA	50	31391	0.8901	EA	20	31455	0.4430	EA	50
31334	0.7200	EA	50	31392	0.0915	EA	100	31456	0.2110	EA	100
313346	0.1791	EA	100	31393	0.1068	EA	100	31457	0.3230	EA	50
31335	0.9584	EA	25	31394	0.1208	EA	100	31459	0.3660	EA	50
31336	1.0084	EA	25	31395	0.1657	EA	100	31461	0.5780	EA	50
31337	1.0584	EA	25	31396	0.2053	EA	100	31464	0.7240	EA	50
31340	0.0361	EA	100	313A	0.3394	EA	25	31466	0.8104	EA	50
31341	0.0372	EA	100	314	2.7880	EA	5	31467	1.2000	EA	25
31342	0.0372	EA	100	31400	6.0969	LB	2	31469	1.2400	EA	25
31343	0.0439	EA	100	31401	3.6576	LB	2	31470	1.3800	EA	25
31344	0.0448	EA	100	31402	3.6782	LB	2	31474	1.8550	EA	20
31345	0.0577	EA	100	31403	3.6679	LB	2	31475	2.3575	EA	20
31346	0.0803	EA	100	31404	3.6061	LB	2	31476	6.2500	EA	1
31347	0.1079	EA	100	31405	3.1945	LB	2	31477	2.0100	EA	20
31348-1	0.3414	EA	50	31406	3.5546	LB	2	31480	4.1000	EA	1
31348	0.1423	EA	100	31407	2.8700	LB	2	31481	4.8000	EA	1
31349-1	0.3563	EA	50	31408	3.2970	LB	2	31482	5.4000	EA	1
31349	0.3495	EA	50	31411	2.0778	LB	5	31483	17.7000	EA	1
31350	0.0361	EA	100	31412	2.0778	LB	5	31484	0.8000	EA	100
31351	0.0372	EA	100	31413	2.0950	LB	5	31485	19.0000	EA	1
31352	0.0372	EA	100	31414	2.1465	LB	5	31486	20.1500	EA	1
31353	0.0439	EA	100	31415	1.9233	LB	5	31487	25.3200	EA	1
31354	0.0448	EA	100	31416	2.1122	LB	5	31488	32.2000	EA	1
31355	0.0577	EA	100	31417	1.8810	LB	5	31490	0.1912	EA	100
31356	0.0803	EA	100	31418	1.9233	LB	5	31491	0.1519	EA	100
31357	0.1079	EA	100	31419	1.8903	LB	5	31492	0.1731	EA	100
31358	0.1423	EA	100	31420	1.9233	LB	5	31493	0.1811	EA	100
31359-1	0.3562	EA	50	31421	2.2324	LB	5	31494	0.1937	EA	50
31359	0.3495	EA	50	31422	2.2324	LB	5	31495	0.2427	EA	50
31360	0.0587	EA	100	31423	2.3182	LB	5	31496	0.2183	EA	50
31361	0.0672	EA	100	31424	2.3182	LB	5	31497	0.3296	EA	50
31362	0.0750	EA	100	31427	34.3586	LB	2	314A	0.3170	EA	25
31364	0.0816	EA	100	31428	4.3299	LB	2	315	3.2400	EA	5
31365	0.1276	EA	100	31429	4.3263	LB	2	31500-12C	0.5241	EA	10
31366	0.3337	EA	100	31430-1	5.1145	LB	2	31500-14C	0.5241	EA	10
31369-1/4	0.0900	EA	100	31430	4.5849	LB	2	31500-18C	0.5241	EA	10
31369-3/8	0.1190	EA	100	31431	3.7854	LB	2	31500-20C	0.5667	EA	10
31369-5/16	0.1078	EA	100	31432	3.8895	LB	2	31500-24C	0.5838	EA	10
31371	0.1016	EA	500	31433	3.8055	LB	2	31500-25	0.6010	EA	10
31372	0.0220	EA	500	31434	3.8122	LB	2	31500-25C	0.6010	EA	10
31373	0.0220	EA	500	31435	3.8122	LB	2	31500-28	0.6457	EA	10
31374	0.0230	EA	500	31436	3.8122	LB	2	31500-34	0.6993	EA	10
31375	0.0245	EA	500	31437	3.8122	LB	2	31500-35	0.7658	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
31500-36C	0.9569	EA	10
31500-38	0.9582	EA	10
31500-40	0.9891	EA	10
31500-40C	0.9891	EA	10
31500-41	1.0138	EA	10
31500-45	1.0509	EA	10
31500-47C	1.0818	EA	10
31500-50	1.1505	EA	10
31509	0.1722	PR	200
31510	0.1976	PR	200
31511	0.1796	PR	200
31512	0.1796	PR	200
31513	0.1951	PR	200
31514	0.2300	PR	200
31515	0.3471	PR	200
31516	0.3723	PR	100
31517	0.5441	PR	100
31518	0.5474	PR	100
31519	0.7917	PR	100
31520	1.0823	PR	100
31521	1.3990	PR	100
31522	2.4497	PR	50
31523	2.7107	PR	50
31525	0.1477	EA	25
31527	0.1757	EA	25
31529	0.2637	EA	25
31530	0.3278	EA	25
31532	0.3643	EA	25
31533	0.3811	EA	25
31534	0.3987	EA	25
31535	0.8796	EA	25
31536	0.3488	EA	25
31537	0.4105	EA	25
31538	0.4322	EA	25
31539	0.4858	EA	10
31539X	0.5858	EA	10
31540	0.1538	EA	100
31542	0.0634	EA	100
31543	0.1525	EA	100
31544	0.1505	EA	100
31545	0.1460	EA	100
31546	0.1650	EA	100
31547	0.8735	EA	100
31548	0.5631	EA	100
31549	0.3709	EA	50
31550	0.4346	EA	25
31551	0.4401	EA	10
31552	0.5112	EA	10
31553	0.4636	EA	10
31554	0.5812	EA	10
31555	0.6292	EA	10
31556	0.4636	EA	10
31558	0.5785	EA	10
31559	0.6715	EA	10
31560	0.5241	EA	10
31561	0.7021	EA	10
31562	0.7054	EA	10
31563	0.8511	EA	10
31564	0.9269	EA	10
31566	0.9348	EA	10
31568	2.0458	EA	10
3156LL	1.9610	EA	10
31570	1.1569	EA	10
31571	1.0106	EA	10
31572	2.2154	EA	10
31573	1.1442	EA	10
31574	1.1767	EA	10
315753	3.2832	EA	1
31576	1.5800	EA	10
31577	1.1831	EA	10
31578	1.1569	EA	10
3157ALL	3.9432	EA	10
3157LL	1.6960	EA	10
31580	1.3886	EA	10
31585	0.6324	EA	100
31586	0.6675	EA	100
31587	0.7023	EA	100
31588	0.7371	EA	100
31589	0.9836	EA	100
31590	0.9109	EA	100
31591	1.3511	EA	100
31592	1.5806	EA	100
315A	0.2515	EA	25
316	1.4360	EA	5
31600	0.0535	EA	100
31601	0.0596	EA	100
31602	0.0623	EA	100
31603	0.0652	EA	100
31604	0.0732	EA	100
31605	0.0949	EA	100
31606	0.1155	EA	100
31607	0.3123	EA	100
31611	0.0474	EA	100
31612	0.0040	EA	100
31614	0.0536	EA	100
31616	0.0690	EA	100
31622	0.0695	EA	100
31624	0.0701	EA	100
31626	0.0469	EA	100
31631	0.0196	EA	100
31632	0.0561	EA	100
31633	0.0587	EA	100
31634	0.0618	EA	100
31636	0.0335	EA	100
31637	0.0886	EA	100
31638	0.0081	EA	100
31642	0.0665	EA	100
31644	0.0711	EA	100
31646	0.0531	EA	100
31647	0.0762	EA	50
31648	0.1164	EA	50
31650	0.1010	EA	100
31656	0.1298	EA	50
31664	0.1499	EA	100
31667	0.1288	EA	50
316A	0.2515	EA	25
317	2.1720	EA	5
31700	0.0184	EA	100
31701	0.0195	EA	100
31702	0.0390	EA	100
31703	0.0443	EA	100
31710	0.0219	EA	100
31711	0.0380	EA	100
31712	0.0225	EA	100
31713	0.0239	EA	100
31714	0.0400	EA	100
31716	0.0442	EA	100
31717	0.0550	EA	100
31722	0.0247	EA	100
31724	0.0285	EA	100
31726	0.0316	EA	100
31730	0.0254	EA	100
31731	0.0420	EA	100
31732	0.0430	EA	100
31733	0.0297	EA	100
31734	0.0590	EA	100
31735	0.0332	EA	100
31736	0.0450	EA	100
31737	0.0462	EA	100
31738-1	0.0807	EA	100
31738	0.0500	EA	100
31739	0.0570	EA	100
31740	0.1484	EA	100
31741	0.0368	EA	100
31742	0.0450	EA	100
31743	0.0409	EA	100
31744	0.0465	EA	100
31745	0.0436	EA	50
31746	0.0836	EA	50
31747	0.0499	EA	50
31748	0.0790	EA	50
31749	0.0650	EA	50
31750-1	0.0778	EA	50
31750	0.0711	EA	50
31751	0.0846	EA	50
31752	0.0420	EA	100
31753	0.0403	EA	100
31754	0.0568	EA	50
31755	0.0591	EA	50
31756	0.0661	EA	50
31757	0.0550	EA	50
31758	0.0670	EA	50
31759	0.0916	EA	50
31760-1	0.1649	EA	50
31760	0.0974	EA	50
31761	0.1923	EA	50
31762	0.0602	EA	50
31763	0.0650	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
31764	0.0720	EA	50
31765	0.0796	EA	50
31766	0.0837	EA	50
31767	0.0959	EA	50
31768-1	0.1108	EA	50
31768	0.0900	EA	50
31769	0.1179	EA	50
31770	0.1241	EA	50
31771	0.1355	EA	50
31784	0.6143	EA	12
317A	0.2102	EA	25
318	1.9680	EA	5
31800	0.2506	EA	100
31801	0.3516	EA	100
31802	0.4960	EA	100
31803-2	0.1160	EA	100
31803	0.5037	EA	100
31804	0.5452	EA	50
31805	0.5622	EA	50
31806-2	0.1236	EA	100
31806	0.5913	EA	50
31807	0.1340	EA	100
31810	0.1220	EA	100
31815	0.4051	EA	50
31816	0.4270	EA	50
31817	0.4434	EA	50
31818	0.4692	EA	50
318189	0.1440	EA	100
31819	0.5824	EA	50
31828-1	0.1116	EA	50
31828-1/2	0.0948	EA	50
31828-3/4	0.1013	EA	50
31829	0.1042	EA	50
31830	0.1012	EA	50
31831	0.1288	EA	50
31832	0.1484	EA	50
31834	0.0944	EA	50
318346	5.8000	EA	1
31835	0.0989	EA	50
31836	0.1047	EA	50
31838	0.1149	EA	50
31839	0.1506	EA	50
31840-11/4	0.1940	EA	50
31840	0.2490	EA	50
31843	0.1381	EA	50
31844	0.2497	EA	50
31845	0.2356	EA	50
31846	0.1940	EA	50
31847	0.3212	EA	50
31848	0.2353	EA	50
31855	0.0167	EA	50
31856	0.0170	EA	50
31857	0.0205	EA	50
31858	0.0205	EA	50
31859-1	0.0316	EA	50
31859-11/2	0.0376	EA	50
31859-3/4	0.0235	EA	50
31859-5	0.0275	EA	50
31859-5/8	0.0223	EA	50
31859	0.0360	EA	50
3186	0.3834	EA	100
31860	0.0400	EA	50
31861	0.0566	EA	50
31862	0.0809	EA	50
31864-1	0.0376	EA	50
31864	0.0470	EA	50
31865-11/2	0.0700	EA	50
31866-2	0.0534	EA	50
31866	0.0326	EA	50
31867	0.0540	EA	50
31868	0.1093	EA	50
31869-11/2	0.0614	EA	50
31870	0.0449	EA	50
31871	0.0489	EA	50
31872	0.0720	EA	50
31874	0.0837	EA	50
31876	0.1340	EA	25
31877	0.1455	EA	25
31879	0.1646	EA	25
3188	0.8043	EA	5
31881	0.1159	EA	25
31882	0.1208	EA	25
31884	0.1025	EA	25
31886	0.1345	EA	25
31888	0.1363	EA	25
3189	0.0891	EA	50
319	3.0360	EA	5
3190	0.0331	EA	50
31900-1/2	2.0228	EA	50
31900-3/4	1.7631	EA	50
31900-5/8	1.9724	EA	50
31900-7/8	2.0228	EA	50
31901	0.0205	EA	50
31902	0.0235	EA	50
31903	0.0570	EA	50
31904	0.0670	EA	50
31906	0.1239	EA	50
31912	0.0297	EA	50
31914	0.0322	EA	50
31916	0.0334	EA	50
31917	0.0368	EA	50
31918	0.0417	EA	50
31920	0.0717	EA	25
31922	0.0326	EA	50
31924	0.0422	EA	50
31926	0.0493	EA	50
31927	0.0876	EA	50
31928	0.0982	EA	50
31930	0.0702	EA	25
319310	0.1564	EA	100
31932	0.0449	EA	50
31933	0.0489	EA	50
31934	0.0534	EA	50
31935	0.0667	EA	50
31936	0.0837	EA	50
31937	0.0833	EA	50
31938	0.1240	EA	25
31939	0.0849	EA	50
31940-1	0.0943	EA	25
31940-2	0.1081	EA	25
31940	0.1322	EA	25
31942	0.1190	EA	25
31944	0.1268	EA	50
31945	0.1277	EA	50
31946-1	0.1168	EA	25
31946	0.1312	EA	25
31947	0.1267	EA	25
31948	0.1317	EA	25
31949-11/2	0.2283	EA	25
31949	0.1683	EA	25
31950-1	0.0969	EA	50
31950-2	0.1614	EA	50
31950-3	0.1694	EA	50
31950	0.0999	EA	50
31951-1	0.0785	EA	50
31951	0.0879	EA	50
31952-1	0.1137	EA	50
31952	0.1048	EA	50
31953-1	0.1439	EA	50
31953-2	0.1726	EA	100
31953	0.1309	EA	50
31954	0.1573	EA	50
31955	0.2113	EA	50
31956-1	0.3483	EA	25
31956	0.2802	EA	25
31957-1	0.3602	EA	25
31957-2	0.4034	EA	25
31957-3	0.2139	EA	25
31957-4	0.2404	EA	50
31957-5	0.3173	EA	50
31957	0.4201	EA	25
31958	0.2836	EA	25
31959-1	0.4405	EA	25
31959	0.3511	EA	25
31960	0.5330	EA	25
31961	0.5323	EA	25
31962	0.5904	EA	25
31963	0.4296	EA	25
31964	0.5467	EA	25
31965	0.6413	EA	25
31966	0.7900	EA	25
31968	0.8093	EA	25
31969	1.0127	EA	25
3197	0.0905	EA	50
31970-5000	0.0374	EA	5000
31970	0.1562	EA	100
31971-1	0.1178	EA	500
31971-2	0.2490	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
31971-5000.....	0.0374	EA	5000
31971.....	0.1020	EA	100
31972-5000.....	0.0468	EA	5000
31972.....	0.1625	EA	100
31973.....	0.1532	EA	100
31975.....	0.1947	EA	100
31976.....	0.1661	EA	100
31982-1/2.....	0.1860	EA	500
31983-1/2.....	0.1435	EA	500
31983-1/4.....	0.1381	EA	500
31983-1/8.....	0.1381	EA	500
31983-3/16.....	0.1381	EA	500
31983-3/32.....	0.1381	EA	500
31983-3/8.....	0.1435	EA	500
31983-5/16.....	0.1381	EA	500
31984-1/4.....	0.1381	EA	500
31984-1/8.....	0.1381	EA	500
31984-3/16.....	0.1381	EA	500
31984-3/8.....	0.1288	EA	500
31984-5/16.....	0.1381	EA	500
31985-1/4.....	0.1823	EA	500
31985-1/8.....	0.1823	EA	500
31985-2.....	0.3145	EA	100
31985-3/16.....	0.1823	EA	500
31985-3/8.....	0.1702	EA	500
31985-5/16.....	0.1823	EA	500
31986-1/2-25....	8.4355	LB	25
31986-1/2.....	0.0406	EA	250
31986-3/8-25....	8.4355	LB	25
31986-3/8.....	0.0406	EA	250
31986-5/16.....	0.0297	EA	250
31986-5/8.....	0.0384	EA	250
31986-7/16.....	0.0293	EA	250
31987-1/2-25....	8.1475	LB	25
31987-1/2.....	0.0654	EA	250
31987-3/4-25....	8.4355	LB	25
31987-3/4.....	0.0800	EA	250
31987-5/8-25....	8.4355	LB	25
31987-5/8.....	0.0758	EA	250
31A.....	0.5263	EA	25
32.....	1.0040	EA	10
320.....	2.7880	EA	5
32010-1.....	0.0474	EA	100
32011.....	0.0427	EA	100
32012.....	0.0416	EA	100
32013.....	0.0436	EA	100
32014.....	0.0456	EA	100
32015.....	0.0517	EA	100
32016.....	0.0498	EA	100
32017.....	0.0522	EA	50
32031.....	0.0433	EA	100
32032.....	0.0461	EA	100
32033.....	0.0479	EA	100
32034.....	0.0501	EA	100
32035.....	0.0594	EA	100
32036.....	0.0561	EA	100
32037.....	0.0558	EA	50
32038.....	0.0563	EA	50
32039.....	0.0631	EA	50
32040.....	0.0660	EA	50
32042.....	0.0535	EA	50
32043.....	0.0578	EA	50
32044.....	0.0558	EA	50
32046.....	0.0621	EA	50
32047.....	0.0657	EA	50
32048.....	0.0695	EA	50
32049.....	0.0808	EA	50
32050.....	0.0815	EA	50
32051.....	0.0933	EA	50
32054.....	0.0773	EA	50
32055.....	0.0832	EA	50
32057.....	0.0853	EA	50
32058-1.....	0.0343	EA	50
32058-1/2.....	0.0255	EA	50
32058-1/4.....	0.0225	EA	50
32058-3/4.....	0.0315	EA	50
32058-3/8.....	0.0253	EA	50
32058-5/8.....	0.0253	EA	50
32060.....	0.0232	EA	50
32061.....	0.0294	EA	50
32062.....	0.0305	EA	50
32063.....	0.0322	EA	50
32064.....	0.0336	EA	50
32065.....	0.0364	EA	50
32066.....	0.0366	EA	50
32067.....	0.0383	EA	50
32068.....	0.0474	EA	50
32072.....	0.0352	EA	50
32073.....	0.0416	EA	50
32074.....	0.0391	EA	100
32076.....	0.0383	EA	50
32081.....	0.0383	EA	50
32082.....	0.4115	EA	100
32083.....	0.0428	EA	50
32084.....	0.0457	EA	50
32085.....	0.0485	EA	50
32086.....	0.0409	EA	50
32087.....	0.0527	EA	50
32088.....	0.0325	EA	50
32089.....	0.0566	EA	50
32090-21/2.....	0.0719	EA	50
32090-3.....	0.0898	EA	50
32090.....	0.0580	EA	50
32091.....	0.0348	EA	50
32092.....	0.4830	EA	50
32093.....	0.0418	EA	50
32094.....	0.0045	EA	50
32095.....	0.0487	EA	50
32096.....	0.0519	EA	50
32097.....	0.0554	EA	50
32098-13/4.....	0.0603	EA	50
32098.....	0.0415	EA	50
32099.....	0.0623	EA	50
321.....	2.8720	EA	5
32101-3.....	0.0708	EA	50
32101.....	0.0648	EA	50
32102.....	0.0531	EA	50
32103.....	0.0569	EA	50
32104.....	0.0586	EA	50
32105.....	0.0658	EA	50
32106.....	0.0642	EA	25
32107.....	0.0657	EA	25
32108.....	0.0697	EA	25
32110-13/4.....	0.0807	EA	25
32110-2.....	0.0728	EA	25
32110-21/2.....	0.0772	EA	25
32110-3.....	0.0849	EA	25
32111-13/4.....	0.0707	EA	25
32111-21/2.....	0.0947	EA	25
32111-3.....	0.1129	EA	25
32112.....	0.0548	EA	50
32113.....	0.0575	EA	50
32114.....	0.0809	EA	25
32115.....	0.0585	EA	25
32116.....	0.0667	EA	25
32117.....	0.0681	EA	25
32118.....	0.0691	EA	25
32119.....	0.0797	EA	25
32131.....	0.0568	EA	50
32132.....	0.0596	EA	50
32133.....	0.0615	EA	50
32134.....	0.0658	EA	50
32135.....	0.0744	EA	50
32136.....	0.0739	EA	50
32137.....	0.0851	EA	50
32138.....	0.1014	EA	50
32139.....	0.1060	EA	50
32140.....	0.1097	EA	50
32144.....	0.0706	EA	50
32145.....	0.0721	EA	50
32146-X.....	0.0621	EA	50
32146.....	0.0771	EA	50
32147.....	0.0801	EA	50
32148-X.....	0.0873	EA	50
32148.....	0.0825	EA	50
32149-1.....	0.0921	EA	50
32149.....	0.0896	EA	50
32156-1.....	0.1085	EA	50
32156.....	0.1060	EA	50
32157-1.....	0.2013	EA	100
32157.....	0.1785	EA	100
32158.....	0.2071	EA	100
32159-1.....	0.3240	EA	100
32159.....	0.2399	EA	100
32160-1.....	0.1346	EA	100
32160-11/2.....	0.2054	EA	100
32160-11/4.....	0.1695	EA	100
32160-13/4.....	0.2260	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
32160-3/4.....	0.1220	EA	100
32160-41/2.....	0.4129	EA	100
32160.....	0.3545	EA	100
32161-1.....	0.2825	EA	100
32161.....	0.2633	EA	100
32162-1.....	0.4411	EA	100
32162-31/2.....	0.5712	EA	100
32162-4.....	0.6427	EA	100
32162-5.....	1.1256	EA	100
32162.....	0.3297	EA	100
32163-1.....	0.1499	EA	50
32163.....	1.3210	EA	100
32164-11/2.....	0.2439	EA	50
32164-11/4.....	0.2532	EA	50
32164-13/4.....	0.2851	EA	50
32164-2.....	0.3212	EA	50
32164-21/2.....	0.4026	EA	50
32164-21/4.....	0.3607	EA	50
32164-23/4.....	0.4129	EA	50
32164-3.....	0.4662	EA	50
32164-31/2.....	0.6105	EA	50
32164-4.....	0.6882	EA	50
32164.....	0.1750	EA	50
32165-1.....	0.5830	EA	50
32165-2.....	0.6748	EA	50
32165-3.....	1.0127	EA	50
32165-4.....	1.1690	EA	25
32165-5.....	0.6100	EA	50
32165-6.....	1.1788	EA	25
32165.....	0.7301	EA	50
32166.....	1.2190	EA	25
32167-1.....	1.8550	EA	25
32167-2.....	1.8253	EA	25
32167.....	1.7172	EA	25
32168.....	0.6302	EA	50
32169-1.....	1.0604	EA	50
32169.....	0.9170	EA	50
32170.....	3.5192	EA	25
32171-1.....	5.7585	EA	25
32171-2.....	6.7363	EA	25
32171-3.....	2.6119	EA	25
32171-4.....	3.9008	EA	10
32171-5.....	4.1340	EA	10
32171-6.....	4.1764	EA	10
32171.....	3.7630	EA	25
32172.....	4.3460	EA	10
32173.....	4.6958	EA	10
32174.....	2.7423	EA	10
32175.....	2.8814	EA	10
32176-1.....	0.3824	EA	50
32176-2.....	0.4222	EA	50
32176-3.....	0.4781	EA	50
32176-4.....	0.5346	EA	50
32176-5.....	0.5780	EA	50
32176-6.....	0.5911	EA	50
32176-7.....	0.7041	EA	50
32176-8.....	0.7910	EA	50
32176-9.....	0.8649	EA	50
32176.....	0.3738	EA	50
32177.....	0.6345	EA	50
32198.....	0.1087	EA	100
32199-1.....	0.1414	EA	100
32199.....	0.1192	EA	100
321A.....	0.1959	EA	50
322.....	4.1840	EA	5
32200-1.....	0.1699	EA	100
32200.....	0.1275	EA	100
32222.....	0.1319	EA	50
32223.....	0.2180	EA	50
32224-X.....	0.5380	EA	50
32224.....	0.2990	EA	50
32225.....	0.5692	EA	50
32232.....	0.1219	EA	50
32233.....	0.1612	EA	50
32234.....	0.6508	EA	50
32235.....	0.4205	EA	50
32271.....	0.0497	EA	50
32272.....	0.0640	EA	50
32273.....	0.0869	EA	50
32274.....	0.1395	EA	50
32275.....	0.1696	EA	50
32276.....	0.2395	EA	25
32277.....	0.3182	EA	25
32278.....	0.5949	EA	25
32279.....	0.9124	EA	25
32280.....	1.5935	EA	25
32281.....	0.0497	EA	50
32282.....	0.0640	EA	50
32283.....	0.0869	EA	50
32284.....	0.1395	EA	50
32285.....	0.1696	EA	50
32286.....	0.2395	EA	25
32287.....	0.3182	EA	25
32288.....	0.5949	EA	25
32289.....	0.9124	EA	25
32290.....	1.5935	EA	25
32291.....	0.0752	EA	100
32292.....	0.1009	EA	100
32293.....	0.1268	EA	100
32294.....	0.2255	EA	50
32295.....	0.3024	EA	50
32297.....	0.5418	EA	50
32298.....	0.7248	EA	25
32299.....	1.0420	EA	25
322A.....	0.4523	EA	50
323.....	0.1792	EA	25
32300.....	2.1730	EA	25
32310.....	0.2296	EA	50
32311.....	0.2498	EA	50
32312.....	0.0500	EA	50
32314.....	0.0490	EA	50
32316.....	0.3794	EA	50
32318.....	0.0550	EA	50
32319.....	0.1520	EA	50
32320-1.....	0.5433	EA	50
32320-2.....	0.6321	EA	50
32320-3.....	0.2851	EA	50
32320.....	0.0752	EA	50
32321.....	0.3074	EA	50
32322.....	0.3235	EA	50
32324.....	0.0700	EA	50
32326.....	0.4108	EA	50
32328.....	0.1000	EA	50
32329.....	0.5036	EA	50
32330-1.....	0.6432	EA	50
32330.....	0.1115	EA	50
32331.....	0.7309	EA	50
32332.....	0.7631	EA	50
32333.....	0.3412	EA	50
32334.....	0.3877	EA	50
32336.....	0.4511	EA	50
32338.....	0.5188	EA	50
32340.....	0.5746	EA	50
32342.....	0.6289	EA	50
32344.....	0.6904	EA	25
32345.....	0.8048	EA	25
32346.....	0.9353	EA	25
32347.....	0.9822	EA	25
32348.....	1.0706	EA	25
32349-1.....	2.2737	EA	25
32349.....	1.4628	EA	25
32350.....	0.6388	EA	25
32351.....	0.6865	EA	25
32352.....	0.7527	EA	25
32353.....	0.8058	EA	25
32354.....	0.8750	EA	25
32356.....	1.1073	EA	25
32357.....	1.1638	EA	25
32362-13.....	2.1299	ST	1
32362-9.....	1.7340	ST	1
32370.....	17.3403	EA	1
32371.....	17.3403	EA	1
32374.....	26.5318	EA	1
32375.....	23.5532	EA	1
32376.....	23.7758	EA	1
32377.....	66.1383	EA	1
32378.....	33.6296	EA	1
32379-1/16.....	0.1285	EA	10
32379-1/2.....	4.5540	EA	10
32379-1/4.....	0.6621	EA	10
32379-1/8.....	0.1419	EA	10
32379-3/16.....	0.3163	EA	10
32379-3/32.....	0.1124	EA	10
32379-3/8.....	1.9950	EA	10
32379-5/16.....	1.1952	EA	10
32379-5/32.....	0.2165	EA	10
32379-5/64.....	0.1093	EA	10
32379-7/32.....	0.4505	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
32379-7/64.....	0.1373	EA	10
32379-9/64.....	0.1583	EA	10
32379.....	52.4412	EA	1
32380.....	0.1285	EA	10
32381.....	0.0809	EA	10
32382.....	0.0900	EA	10
32383.....	0.1013	EA	10
32384-9/64.....	0.3037	EA	10
32384.....	0.1047	EA	10
32385.....	0.1548	EA	10
32386.....	0.2361	EA	10
32387.....	0.3226	EA	10
32388.....	0.4519	EA	10
32389.....	0.8117	EA	10
3239.....	11.5602	EA	5
32390.....	1.3767	EA	10
32391.....	3.5031	EA	10
32392.....	5.6049	EA	5
32393-7/8.....	15.0633	EA	5
32393.....	7.6367	EA	5
32394.....	23.0153	ST	1
32395.....	8.4058	EA	1
32396.....	20.5959	EA	1
32397.....	6.0102	EA	1
32398.....	11.6282	EA	1
324.....	0.3136	EA	25
32400.....	60.2928	ST	1
32402-1.....	0.2330	EA	10
32404.....	18.4864	EA	1
32406.....	42.8077	KT	1
32407.....	49.8489	ST	1
32411.....	0.4365	EA	25
32412.....	0.4445	EA	25
32413.....	0.7126	EA	25
32414.....	0.7903	EA	25
32415.....	0.8357	EA	25
32423.....	0.8782	EA	25
32424.....	0.8170	EA	25
32425.....	0.8600	EA	25
32426.....	0.8475	EA	25
32427.....	0.8779	EA	15
32428.....	1.2661	EA	15
32429.....	1.0213	EA	15
32433.....	1.0286	EA	25
32434.....	1.2086	EA	25
32435.....	0.9350	EA	25
32436.....	1.0475	EA	25
32437.....	1.0286	EA	25
32438.....	1.1517	EA	15
32439.....	1.3450	EA	10
32444.....	1.1727	EA	10
32445.....	1.4075	EA	10
32446.....	1.4075	EA	10
32447.....	1.3125	EA	10
32448.....	1.4472	EA	10
32449.....	1.5863	EA	10
32455.....	2.4318	EA	5
32465.....	18.0500	EA	1
32466.....	21.0500	EA	1
32467N.....	25.0500	LG	1
32469N.....	41.0500	LG	1
32470.....	42.0500	EA	1
32471-1.....	60.0500	EA	1
32471.....	48.0500	EA	1
32472.....	2.2556	EA	5
32473.....	2.7954	EA	1
32474.....	2.9756	EA	1
32475.....	15.0500	EA	1
32476.....	16.5500	EA	1
32477.....	18.8000	EA	1
32478.....	23.0500	EA	1
32479-1.....	28.0500	EA	1
32479.....	27.5500	EA	1
32480.....	32.0500	EA	1
32481-1.....	46.0500	EA	1
32481.....	39.5500	EA	1
32482-2.....	2.9756	EA	1
32482.....	50.0500	EA	1
32483.....	3.2088	EA	1
32484.....	4.1628	EA	1
32485.....	4.9472	EA	1
32486.....	6.9930	EA	1
32487.....	7.0566	EA	1
32488.....	1.6254	EA	5
32489-1.....	11.2648	EA	1
32489.....	2.3186	EA	5
32490-1.....	16.5754	EA	1
32490.....	2.5707	EA	5
32491-1.....	20.2324	EA	1
32492.....	3.8310	EA	2
325.....	1.4760	EA	5
32502-1.....	1.6468	EA	1
32502.....	0.6912	EA	10
325046.....	0.0096	EA	250
32516.....	0.7681	EA	10
32518-1.....	2.2064	EA	1
32518.....	1.1074	EA	10
32519-1.....	2.6478	EA	1
32519.....	1.4629	EA	10
32520-1.....	2.7404	EA	1
32520.....	1.5625	EA	10
32522-1.....	1.8819	EA	1
32522.....	0.8336	EA	10
32523-1.....	2.1559	EA	1
32523.....	0.9865	EA	10
32525-1.....	2.4923	EA	1
32525.....	1.4530	EA	10
32530-1.....	2.9046	EA	1
32530.....	1.9398	EA	10
32535-1.....	2.5440	EA	1
32535.....	2.0776	EA	10
32537.....	2.4910	EA	10
32539.....	2.9150	EA	10
32540-1.....	3.0982	EA	1
32540.....	2.9150	EA	10
32542-1.....	4.2796	EA	1
32542.....	3.2825	EA	10
32550.....	1.0630	EA	10
32551.....	1.0630	EA	10
32552.....	1.0630	EA	10
32553.....	1.0630	EA	10
32555.....	1.2961	EA	10
32556.....	1.4002	EA	10
32560-Y.....	2.6818	EA	1
32560-Z.....	2.7666	EA	1
32560.....	2.8620	EA	1
32561.....	2.9044	EA	1
32562.....	3.0740	EA	1
32563.....	3.3814	EA	1
32564.....	3.5404	EA	1
32565-1.....	5.9254	EA	1
32565.....	3.0481	EA	1
32566-1.....	7.1782	EA	5
32566.....	5.6272	EA	5
32567-A.....	1.1820	EA	10
32567-B.....	1.2312	EA	10
32567-C.....	1.2312	EA	10
32567-D.....	1.2847	EA	10
32567-E.....	1.4074	EA	10
32567-F.....	1.4074	EA	10
32567-H.....	1.5373	EA	10
32569.....	1.1784	EA	25
32570.....	0.1326	EA	100
32572.....	0.1848	EA	100
32574.....	0.2200	EA	100
32575.....	0.2350	EA	100
32576.....	0.2803	EA	100
32577.....	0.1940	EA	100
32578.....	0.3000	EA	100
32579.....	0.2525	EA	100
32580-1.....	0.3150	EA	50
32580-X.....	0.2896	EA	50
32580.....	0.2725	EA	100
32581.....	0.2432	EA	25
32582.....	0.2666	EA	25
32583.....	0.2833	EA	25
32584.....	0.3270	EA	25
32585-1.....	0.4377	EA	25
32585-10-50.....	1.5510	EA	50
32585-10.....	1.9116	EA	10
32585-11-50.....	2.3446	EA	50
32585-11.....	2.6242	EA	10
32585-4.....	1.3992	EA	15
32585-7.....	1.5052	EA	15
32585-8-50.....	0.9811	EA	50
32585-8.....	2.4168	EA	10
32585-9-50.....	1.0304	EA	50
32585-9.....	1.3628	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
32585	0.3903	EA	25
32586	0.2905	EA	25
32587	0.1056	EA	25
32588	0.1032	EA	25
32589-1	0.1397	EA	25
32589-2	0.1745	EA	25
32589	0.1171	EA	25
32590	0.0873	EA	100
32591	0.1003	EA	100
32592	0.1014	EA	100
32593	0.1076	EA	100
32594	0.1208	EA	100
32595	0.1979	EA	50
32596	0.2035	EA	50
32597	0.2279	EA	50
326	1.9680	EA	5
32601	0.1993	EA	50
32602	0.2243	EA	50
32603	0.2379	EA	50
32604	0.2685	EA	50
32605	0.3486	EA	50
32606	0.3956	EA	50
32607-1	1.4618	EA	25
32607-1/2	0.4511	EA	25
32607-1/4	0.4437	EA	25
32607-11/2	1.6384	EA	25
32607-2	1.8907	EA	25
32607-3/4	0.6352	EA	25
32607-3/8	0.4274	EA	25
32607-5/16	0.4563	EA	25
32607-5/8	0.6700	EA	25
32607-7/8	0.7101	EA	25
32610	0.7451	EA	50
32611	0.7454	EA	50
32612	0.7451	EA	50
32613	0.8069	EA	50
32614	0.8594	EA	50
32615	0.8155	EA	50
32630	2.3850	EA	1
32631	2.4274	EA	1
32632	2.6288	EA	1
32633	2.7454	EA	1
32635	4.0103	EA	1
32636	4.5050	EA	1
32650	5.6074	EA	5
32651	6.1480	EA	5
32652	6.5720	EA	5
32653	7.9394	EA	5
32654	12.6670	EA	5
32665-1	1.1366	EA	25
32665-2	0.2568	EA	25
32665	1.4487	EA	25
32666	1.5105	EA	15
32667	2.2366	EA	15
32668	2.9044	EA	15
32669	3.7312	EA	15
32670	5.4484	EA	10
32675	4.0704	EA	20
32676	4.4520	EA	20
32677	5.0774	EA	15
32678	5.9042	EA	15
32679	6.8900	EA	15
32680	9.4976	EA	15
32685	4.5050	EA	5
32686	5.2682	EA	5
32687-1	12.7836	EA	5
32687	6.6780	EA	5
32690	5.9254	EA	10
32691	6.8158	EA	10
32692	13.1546	EA	10
32694-1	4.8760	EA	5
32694	3.9962	EA	5
32695-1	8.2150	EA	5
32695	6.4448	EA	5
32696	9.8050	EA	5
326A	0.4864	EA	25
327-1	0.1925	EA	25
327	2.1720	EA	5
32710	0.1832	EA	50
32711	0.1856	EA	50
32712	0.2133	EA	50
32713	0.2612	EA	50
32714	0.2612	EA	50
32715	0.2612	EA	50
32716	0.3245	EA	50
32717	0.2415	EA	50
32725	0.2308	EA	25
32727	0.2839	EA	25
32728	0.3285	EA	25
32733	0.3870	EA	25
32735	0.4762	EA	25
32736	0.6032	EA	25
32737	0.6793	EA	25
32743	0.6924	EA	25
32744	0.6831	EA	25
32745	0.7678	EA	25
32746	0.8678	EA	25
32747	0.9655	EA	25
32748	1.0747	EA	25
32750	1.4701	EA	25
32754	1.0509	EA	10
32755	1.3355	EA	10
32757	1.5786	EA	10
32764	1.6040	EA	10
32765	1.3386	EA	10
32766	1.9086	EA	10
32768	1.8702	EA	10
32770	2.3502	EA	10
32772	2.5895	EA	10
32774	3.9427	EA	10
32790	0.6519	EA	50
32791	0.7670	EA	50
32792	0.7506	EA	50
32793	0.6769	EA	50
32794	0.9568	EA	50
32795	1.0472	EA	50
32796	1.9477	EA	50
32797	1.9741	EA	25
32798	4.3377	EA	25
327A	0.3889	EA	25
328	3.4840	EA	5
32801	0.0373	EA	100
32802-S	0.0659	EA	2000
32802	0.0473	EA	100
32803	0.0613	EA	100
32804-1S	0.0704	EA	1400
32804-S	0.0478	EA	1800
32804	0.0622	EA	100
32805-S	0.0861	EA	1200
32805	0.0861	EA	100
32808-S	0.1803	EA	1000
32808	0.1186	EA	100
32817-1S	0.1460	EA	1000
32817-S	0.1288	EA	1200
32817	0.0867	EA	100
32818-S	0.1587	EA	800
32818	0.1056	EA	100
32831-2	0.3885	EA	100
32831-21/2	0.5012	EA	100
328A	0.2105	EA	50
329	4.1400	EA	5
32949	0.5893	EA	10
32950	0.6497	EA	10
32952	0.6604	EA	10
32969	0.9100	EA	10
32990	0.6580	EA	10
32991	0.5199	EA	10
32993	0.5352	EA	10
32994	0.9521	EA	10
32A	0.5360	EA	25
33	1.4560	EA	10
330	5.5360	EA	5
3300	0.2397	EA	50
33000	0.2850	EA	100
33001	0.3250	EA	100
33002	0.3425	EA	100
33003	0.3415	EA	50
33004	0.0586	EA	50
33005	0.4220	EA	50
33005OS	10.0681	EA	6
33006	0.1184	EA	50
33007	0.6900	EA	25
33008	0.7050	EA	25
33009	0.9700	EA	25
33013	0.2850	EA	100
33014	0.3250	EA	100
33015	0.3425	EA	100
33015OS	31.6969	EA	4

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
33016	0.3415	EA	50
33017	0.4000	EA	50
33018	0.4220	EA	50
33019	0.4775	EA	50
33020	0.6900	EA	25
33021	0.7050	EA	25
33022	0.9700	EA	25
3303	0.0589	EA	50
330448	0.0592	EA	100
3306	0.2695	EA	25
3309	0.9013	EA	25
331	1.8880	EA	5
3310	0.8331	EA	25
33101	6.7194	EA	10
33102	7.0353	EA	10
33103	4.5090	EA	10
33104	5.7684	EA	10
33105	6.1395	EA	10
3311	0.1884	EA	50
3313	0.2859	EA	50
331388	0.1436	EA	100
33142	15.3054	EA	10
33143	16.0806	EA	10
3315	0.5500	EA	25
331595	9.0288	EA	1
33168	18.8181	EA	10
33169	19.0287	EA	10
3317	0.3691	EA	25
331A	0.2004	EA	50
332	2.3800	EA	5
33203	5.8301	EA	12
33205	46.7334	EA	10
33206	59.6679	EA	10
33221	41.4939	EA	1
3326	0.1903	EA	50
333	3.4840	EA	5
334	4.2240	EA	5
33400	0.1230	EA	100
33401	0.1247	EA	100
33402	0.1381	EA	100
33403	0.1420	EA	100
33404	0.1575	EA	100
33405	0.1282	EA	100
33406	0.1295	EA	100
33407	0.1413	EA	100
33408	0.1430	EA	100
33409	0.1588	EA	100
33410	0.1282	EA	100
33411	0.1295	EA	100
33412	0.1413	EA	100
33413	0.1430	EA	100
33414	0.1588	EA	100
33415	0.1304	EA	100
33416	0.1399	EA	100
33417	0.1420	EA	100
33418	0.1446	EA	100
33419	0.1638	EA	100
3342	0.3579	EA	25
33420	0.1588	EA	100
33421	0.1647	EA	100
33422	0.1883	EA	100
33423	0.2224	EA	100
33424	0.2664	EA	100
33425	0.2068	EA	50
33426	0.2222	EA	50
33427	0.2527	EA	50
33428	0.2763	EA	50
33429	0.2989	EA	50
33430	0.5134	EA	25
33431	0.5683	EA	25
33432	0.6347	EA	25
3344	0.1223	EA	25
3346	0.2421	EA	25
3348	0.7338	EA	25
334A	0.0543	EA	50
335	2.6240	EA	5
3353	1.0204	EA	25
33557-1/2	0.1539	EA	100
33557-3/4	0.5196	EA	250
33557-3/8	0.0774	EA	500
33557-5/8	0.3402	EA	250
33557-7/8	0.8282	EA	100
33560	0.0215	EA	200
33561	0.0310	EA	200
33562	0.0405	EA	200
33563	0.0568	EA	200
33564	0.0792	EA	200
33565	0.1136	EA	100
33566	0.1601	EA	100
33567	0.2366	EA	100
33568	0.3734	EA	50
33569-1	0.9354	EA	25
33569-2	1.0799	EA	25
33569-3	2.1384	EA	10
33569	0.5172	EA	50
3357	0.0778	EA	100
33570-1/2	0.0846	EA	100
33570-1/4	0.0823	EA	100
33570-3/16	0.0747	EA	100
33570-3/8	0.0835	EA	100
33571-1	0.0730	EA	100
33571-2	0.0580	EA	100
33571-3	0.1262	EA	100
33571	0.0721	EA	100
33572-1	0.1821	EA	100
33572-1/2	0.0695	EA	100
33572-1/4	0.0659	EA	100
33572-2	0.0618	EA	100
33572-3	0.0748	EA	100
33572-3/4	0.0770	EA	100
33572-3/8	0.0668	EA	100
33572-4	0.0789	EA	100
33572-5	0.1547	EA	50
33572-5/8	0.0728	EA	100
33572	0.1575	EA	100
33573-1/2	0.0720	EA	100
33573-1/4	0.0668	EA	100
33573-3/8	0.0695	EA	100
33573-5/8	0.0419	EA	100
33574-1	0.1617	EA	100
33575-1	0.0931	EA	100
33575	0.0687	EA	100
33576-1	0.0656	EA	100
33576	0.0699	EA	100
33577	0.0732	EA	100
33578	0.0758	EA	100
33579-1	0.0859	EA	100
33579	0.0799	EA	100
33580-1	0.2480	EA	50
33580-2	0.3211	EA	50
33580	0.0938	EA	100
33582	0.0665	EA	50
33583	0.0631	EA	50
33584	0.0663	EA	50
33585	0.0685	EA	50
33586-1	0.0893	EA	100
33586	0.0732	EA	50
33587	0.0888	EA	50
33588-1	0.1066	EA	50
33588-2	0.1950	EA	50
33588-3	0.1068	EA	50
33588-5	0.1662	EA	25
33588	0.1031	EA	50
33589-1	0.0683	EA	50
33589-2	0.2022	EA	100
33589	0.1715	EA	100
33590	0.0708	EA	50
33591	0.0736	EA	50
33592-1	0.0938	EA	50
33592	0.0784	EA	50
33593-1	0.1066	EA	50
33593	0.0919	EA	50
33594	0.1126	EA	50
33595	0.1169	EA	50
33596	0.1291	EA	50
33597-1	0.2167	EA	25
33597-2	0.3244	EA	25
33597-3	0.3986	EA	25
33597	0.1948	EA	25
33598	0.1511	EA	100
33599-9	0.0683	EA	50
336	3.6920	EA	5
33600-P	0.5470	EA	25
33600	0.0805	EA	50
33601-P	0.5471	EA	25
33601	0.0833	EA	50
33602-P	0.5526	EA	25
33602	0.0885	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
33603.....	0.0954	EA	50
33604-P.....	0.5755	EA	25
33604.....	0.0215	EA	50
33605-P.....	0.6040	EA	25
33605.....	0.1112	EA	50
33606-P.....	0.6459	EA	100
33606.....	0.1275	EA	50
33607-P.....	0.6772	EA	25
33607.....	0.1382	EA	50
33608-P.....	0.6551	EA	25
33608.....	0.1520	EA	50
33609.....	0.1772	EA	50
33610.....	0.2263	EA	50
33611.....	0.3316	EA	50
33612-1.....	0.3828	EA	50
33612.....	0.3624	EA	50
33613.....	0.4670	EA	50
33614-1.....	0.0986	EA	50
33614-2.....	0.7532	EA	25
33614-3.....	0.9942	EA	10
33614-4.....	1.3123	EA	10
33614-5.....	1.7323	EA	10
33614.....	0.6180	EA	50
33615-1.....	0.1093	EA	50
33616-1.....	0.1028	EA	50
33616-1P.....	0.5582	EA	25
33617-1.....	0.1081	EA	50
33617-1P.....	0.5639	EA	25
33618-1.....	0.1144	EA	50
33619-1.....	0.1225	EA	50
33619-1P.....	0.5873	EA	25
33620-1.....	0.1314	EA	50
33620-1P.....	0.6164	EA	25
33621-1.....	0.1427	EA	50
33621-1P.....	0.6454	EA	25
33622-1.....	0.1540	EA	50
33623-1.....	0.1673	EA	50
33623-1P.....	0.7048	EA	25
33624-1.....	0.2372	EA	25
33625-1.....	0.2796	EA	25
33625-1P.....	0.1689	EA	100
33626-1.....	0.4044	EA	25
33627-1.....	0.4070	EA	25
33627-1P.....	1.1443	EA	25
33627-2.....	0.4197	EA	25
33628-1.....	0.4407	EA	25
33628-2.....	0.5625	EA	25
33629-1.....	0.6131	EA	25
33629-2.....	0.5773	EA	10
33629-3.....	0.8480	EA	10
33629-4.....	1.0070	EA	10
33629-5.....	2.0449	EA	10
33630.....	0.1329	EA	50
33631.....	0.1346	EA	50
33632-P.....	0.6152	EA	25
33632.....	0.1236	EA	50
33633.....	0.1451	EA	50
33634-P.....	0.6472	EA	25
33634.....	0.1382	EA	50
33635-P.....	0.6792	EA	25
33635.....	0.1521	EA	50
33636-P.....	0.7113	EA	25
33636.....	0.1662	EA	50
33637-P.....	0.7465	EA	25
33637.....	0.1813	EA	50
33638-P.....	0.7838	EA	25
33638.....	0.1966	EA	50
33639-P.....	0.8230	EA	25
33639.....	0.2701	EA	50
33640-P.....	1.1832	EA	100
33640.....	0.2969	EA	50
33641.....	0.4519	EA	50
33642-1.....	0.5089	EA	25
33642-2.....	0.5582	EA	25
33642-P.....	1.2345	EA	50
33642.....	0.4916	EA	25
33643-1.....	0.9646	EA	10
33643-2.....	1.1342	EA	10
33643-4.....	1.6218	EA	10
33643.....	0.6561	EA	10
33645-1.....	0.2353	EA	25
33645-2.....	0.4229	EA	25
336458.....	0.2248	EA	100
33646-1.....	0.2648	EA	25
33647-1.....	0.2789	EA	25
33648-1.....	0.3195	EA	25
33649-1.....	0.3485	EA	25
33650-1.....	0.3771	EA	25
33651-1.....	0.4444	EA	25
33652-1.....	0.5127	EA	25
33653.....	0.8175	EA	25
33654-1.....	0.6604	EA	10
33655-1.....	0.8445	EA	10
33656-1.....	1.0162	EA	10
33659.....	0.5895	EA	25
33660.....	0.2644	EA	25
33661.....	0.2700	EA	25
33662-P.....	0.8348	EA	10
33662.....	0.2687	EA	25
33663-P.....	0.8852	EA	10
33663.....	0.2945	EA	25
33664-P.....	0.9380	EA	10
33664.....	0.3202	EA	25
33665.....	0.3472	EA	25
33666-P.....	1.0413	EA	10
33666.....	0.3738	EA	25
33667-P.....	1.1213	EA	10
33667.....	0.4444	EA	25
33668-P.....	1.1742	EA	10
33668.....	0.4616	EA	25
33669.....	0.5448	EA	25
33670-P.....	1.3560	EA	10
33670.....	0.6604	EA	10
33671.....	0.7025	EA	10
33672.....	0.7484	EA	10
33674.....	0.8973	EA	10
33675.....	1.0386	EA	10
33676.....	1.0904	EA	10
33677.....	1.2932	EA	10
33678-1.....	1.7172	EA	10
33678.....	1.4946	EA	10
33679-1.....	1.9398	EA	10
33679-2.....	2.5546	EA	10
33680-1.....	0.4770	EA	25
33681-1.....	0.5222	EA	25
33682-1.....	0.5323	EA	25
33682-2.....	0.5781	EA	25
33683-1.....	0.6236	EA	25
33684-1.....	0.6620	EA	25
33685-1.....	0.7133	EA	25
33685-2.....	0.7883	EA	25
33686-1.....	0.8696	EA	10
33686-2.....	0.9147	EA	10
33686-31/2.....	0.9785	EA	10
33686-4.....	1.1011	EA	10
33686-41/2.....	1.4310	EA	10
33686-5.....	1.7702	EA	10
33686-51/2.....	1.8020	EA	10
33686-6.....	1.8656	EA	10
33687-1.....	2.3108	EA	10
33688-1.....	2.7666	EA	5
33689-1.....	3.7100	EA	5
33690-1.....	0.8398	EA	10
33691-1.....	0.8840	EA	10
33692-1.....	0.9040	EA	10
33693-1.....	1.0524	EA	10
33694-1.....	1.1363	EA	10
33695-1.....	1.2207	EA	10
33696-1.....	1.5264	EA	10
33697-1.....	1.6218	EA	10
33697-2.....	1.7808	EA	10
33698-1.....	1.9398	EA	10
33699-4.....	2.2684	EA	10
33699-41/2.....	2.5016	EA	10
33699-5.....	2.7136	EA	10
33699-51/2.....	2.9362	EA	5
337.....	3.5680	EA	5
33701-1.....	3.2012	EA	5
33702-1.....	3.5828	EA	5
33703-1.....	4.0386	EA	5
33704-1.....	5.0456	EA	5
33705-1.....	1.9080	EA	10
33706.....	3.4260	EA	10
33707-1.....	2.0882	EA	10
33707-2.....	4.2895	EA	10
33708-1.....	2.7984	EA	5
33708-2.....	2.8394	EA	5
33708-31/2.....	3.3072	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
33709-1.....	3.8902	EA	5
33709-2.....	4.2400	EA	5
33710-1.....	5.7346	EA	5
33710-2.....	7.2928	EA	5
33710-3.....	12.2581	EA	5
33710-5.....	4.6640	EA	5
33710-6.....	6.2222	EA	5
33710-61/2.....	6.6069	EA	5
33711-1.....	2.6182	EA	10
33711-2.....	2.7902	EA	10
33712-1.....	3.0846	EA	10
33712-2.....	2.4168	EA	10
33713-1.....	3.5828	EA	10
33713-2.....	3.7312	EA	10
33714-1.....	3.9114	EA	10
33715-1.....	4.6322	EA	5
33716-1.....	5.8512	EA	5
33717-5.....	6.5084	EA	5
33717-51/2.....	7.4094	EA	5
33718-6.....	7.8334	EA	5
33718-7.....	12.1796	EA	5
33719.....	10.4304	EA	5
33720.....	13.8224	EA	5
33721-1.....	12.8048	EA	2
33721-2.....	13.5574	EA	2
33721-3.....	14.5644	EA	2
33721-4.....	15.2428	EA	2
33721-5.....	16.3346	EA	2
33721-6.....	17.5324	EA	2
33721-7.....	20.8078	EA	2
33721-8.....	22.0374	EA	2
33721.....	12.4550	EA	2
33722-1.....	18.5818	EA	1
33722-2.....	19.9492	EA	1
33722-3.....	21.5180	EA	1
33722-4.....	22.7052	EA	1
33722-5.....	25.0902	EA	1
33722-7.....	28.5247	EA	1
33722-8.....	31.6625	EA	1
33722.....	28.4822	EA	2
33724-1.....	0.4473	EA	50
33724-11/4.....	0.4679	EA	50
33724-2.....	0.4885	EA	50
33724-3.....	0.5537	EA	50
33724-4.....	0.5950	EA	50
33725-11/4.....	0.6190	EA	50
33725-2.....	0.6533	EA	50
33725-3.....	0.6946	EA	50
33725-4.....	0.7323	EA	50
33725-5.....	0.5701	EA	50
33725-6.....	0.8079	EA	50
33725-8.....	0.8787	EA	50
33726-1.....	0.7289	EA	50
33726-2.....	0.5701	EA	50
33726-3.....	0.8182	EA	50
33726-5.....	0.8491	EA	50
33726-7.....	0.8697	EA	50
33729.....	1.2056	EA	25
33730.....	1.0071	EA	25
33731.....	1.7063	EA	25
33732.....	1.8661	EA	25
33733.....	3.1689	EA	25
33740.....	0.2933	EA	50
33742.....	0.3389	EA	50
33743.....	0.3987	EA	50
33744.....	0.4248	EA	50
33745.....	0.4837	EA	50
33746.....	0.5158	EA	50
33747.....	0.5615	EA	50
33748.....	0.5894	EA	50
33749.....	0.5986	EA	50
33750.....	0.6077	EA	50
33751.....	0.6276	EA	50
33752.....	0.5982	EA	50
33754.....	0.6512	EA	50
33755.....	0.6830	EA	50
33756.....	0.7032	EA	50
33757.....	0.7145	EA	50
33758.....	0.5495	EA	25
33759.....	0.6842	EA	25
33760.....	0.6972	EA	25
33761.....	0.7759	EA	25
33762.....	0.8523	EA	25
33763.....	0.9341	EA	25
337A.....	0.2594	EA	50
33800.....	0.2600	EA	100
33802.....	0.2730	EA	100
33803.....	0.2933	EA	100
33804.....	0.3304	EA	100
33805.....	0.3372	EA	100
33806.....	0.4010	EA	100
33807.....	0.4121	EA	100
33808.....	0.4820	EA	50
33812.....	0.3469	EA	50
33813.....	0.3673	EA	50
33814.....	0.3889	EA	50
33816.....	0.4318	EA	50
33818.....	0.6228	EA	50
33821.....	0.6744	EA	50
33822.....	0.5244	EA	50
33824.....	0.5912	EA	50
33828-1/2.....	0.0939	EA	50
33828-3/4.....	0.1023	EA	50
33828-3/8.....	0.0784	EA	50
33828-5/8.....	0.0994	EA	50
33829-1.....	0.1020	EA	100
33829-2.....	0.1076	EA	100
33829-3.....	0.1128	EA	100
33829-4.....	0.1284	EA	100
33829-5.....	0.1442	EA	100
33829-6.....	0.1597	EA	100
33830-X.....	0.1253	EA	100
33830.....	0.1434	EA	100
33831.....	0.1622	EA	100
33833.....	0.1747	EA	100
33834.....	0.2002	EA	100
33835.....	0.2213	EA	100
33836-2.....	0.2452	EA	100
33836-21/2.....	0.2699	EA	100
33836.....	0.1586	EA	100
33838.....	0.2120	EA	100
33840.....	0.2290	EA	100
33841.....	0.2577	EA	100
33842.....	0.2942	EA	100
33843.....	0.2108	EA	100
33844.....	0.3420	EA	100
33846.....	0.2421	EA	100
33848.....	0.2730	EA	100
33849.....	0.2412	EA	100
33850.....	0.3873	EA	100
33851.....	0.3012	EA	100
33852-21/2.....	0.5620	EA	100
33852-3.....	0.6887	EA	100
33852-4.....	0.5780	EA	100
33852.....	0.3151	EA	100
33854-1.....	0.1780	EA	100
33854-11/2.....	0.1447	EA	100
33854-3/4.....	0.1612	EA	100
33854-3/8.....	0.1008	EA	100
33854-5/8.....	0.1239	EA	100
33854.....	0.0965	EA	250
33855-5/8.....	0.1369	EA	100
33855.....	0.1115	EA	250
33856-1.....	0.1340	EA	100
33856-11/4.....	0.1630	EA	100
33856.....	0.1450	EA	250
33857-11/2.....	0.2760	EA	100
33857-11/4.....	0.1921	EA	100
33857-2.....	0.2355	EA	100
33857-5/8.....	0.1539	EA	100
33857.....	0.1439	EA	250
339.....	4.3880	EA	5
33900-1/2.....	390.4828	RL	1
33900-3/8.....	265.4028	RL	1
33900-9/32.....	206.9544	RL	1
33901-1/2.....	66.1228	EA	1
33901-3/8.....	39.6016	EA	1
33901-9/32.....	32.0862	EA	1
33903-1/2.....	25.7752	EA	1
33903-3/8.....	21.7830	EA	1
33903-9/32.....	17.1136	EA	1
33904-1/2.....	34.7998	EA	1
33904-3/8.....	22.1222	EA	1
33904-9/32.....	19.1648	EA	1
33905-1/2.....	55.0896	EA	1
33905-3/8.....	33.6624	EA	1
33905-9/32.....	32.2926	EA	1
33907-1/2.....	108.0988	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
33907-3/8.....	67.3312	EA	1
33907-9/32.....	49.8836	EA	1
33910.....	6.9660	EA	2
339186.....	0.0939	EA	100
33925.....	3.8054	EA	10
33926.....	4.0810	EA	10
33927.....	3.9644	EA	10
33929.....	6.2328	EA	10
33950.....	1.1660	EA	25
33951.....	1.4603	EA	10
33952.....	1.6112	EA	25
33954.....	2.3850	EA	10
33960.....	1.5264	EA	5
33961.....	1.6660	EA	5
33962.....	1.7737	EA	5
33963.....	2.3620	EA	5
33964.....	2.7701	EA	5
33965.....	4.6057	EA	2
33966.....	5.0827	EA	2
33967.....	19.0953	EA	2
33968.....	8.4906	EA	2
33969.....	11.1618	EA	2
33970.....	15.2640	EA	2
33971.....	18.3168	EA	2
33974.....	1.5264	EA	5
33975.....	1.7243	EA	5
33976.....	1.8285	EA	5
33977.....	2.4345	EA	5
33978.....	2.8602	EA	5
33979-1.....	4.7515	EA	2
33979-3.....	19.6448	EA	2
33979.....	5.2417	EA	2
33980.....	8.9252	EA	2
33981.....	11.6706	EA	2
33983.....	15.5290	EA	2
33984.....	18.8574	EA	2
339A.....	0.6198	EA	25
34-0001F.....	36.7737	EA	1
34-0025F.....	41.6615	EA	1
34-0050F.....	89.9201	EA	1
34-120F.....	109.3164	EA	1
34-140LF.....	156.3995	EA	1
34.....	1.9480	EA	10
340.....	14.5160	EA	5
34008.....	0.7062	EA	100
34012.....	0.7200	EA	50
340162.....	4.0032	EA	1
340163.....	6.4051	EA	1
340164.....	1.4688	EA	2
34023.....	0.0343	EA	100
34024.....	0.0374	EA	100
34025.....	0.0337	EA	100
34026.....	0.0480	EA	100
34027.....	0.0736	EA	100
34028.....	0.0877	EA	50
34029.....	0.1639	EA	50
34030.....	0.3472	EA	50
34031.....	0.3278	EA	50
34032.....	0.6218	EA	50
34033.....	1.5482	EA	25
34034.....	2.1966	EA	25
34035.....	0.0233	EA	100
34036.....	0.0480	EA	100
34037.....	0.0736	EA	100
34038.....	0.0877	EA	50
34039.....	0.1639	EA	50
34040.....	0.3472	EA	50
34041.....	0.3278	EA	50
34042.....	0.6218	EA	50
34043.....	1.6451	EA	25
34044.....	2.2454	EA	25
3404404.....	3.0704	EA	5
34056-1.....	0.1335	EA	50
34056.....	0.1282	EA	25
34057.....	0.1297	EA	25
341.....	23.4920	EA	5
34100.....	0.0100	EA	250
34101.....	0.0128	EA	250
34103.....	0.0084	EA	250
34104.....	0.0258	EA	250
34105.....	0.0347	EA	100
34106.....	0.0597	EA	100
34107.....	0.0331	EA	100
34108.....	0.0388	EA	100
34110.....	0.0738	EA	100
34111.....	0.0276	EA	100
34112.....	0.0214	EA	100
34113.....	0.0235	EA	100
34114-X.....	0.0203	EA	1000
34114.....	0.0241	EA	100
34115.....	0.0214	EA	100
34117-1.....	0.0038	EA	100
34117-X.....	0.0245	EA	1000
34117.....	0.0314	EA	100
34118-1.....	0.0403	EA	100
34118.....	0.0307	EA	100
34119-X.....	0.0428	EA	250
34119.....	0.0489	EA	100
34120-X.....	0.0404	EA	1000
34120.....	0.0519	EA	100
34121-X.....	0.0443	EA	1000
34121.....	0.0567	EA	100
34122-X.....	0.0498	EA	1000
34122.....	0.0815	EA	100
34123-X.....	0.0620	EA	250
34123.....	0.0706	EA	100
34124.....	0.0761	EA	100
34125.....	0.0946	EA	100
34126.....	0.0761	EA	100
34127.....	0.0799	EA	100
34128.....	0.0877	EA	100
34129.....	0.1338	EA	100
34130-1.....	0.0738	EA	100
34130-1X.....	0.0572	EA	500
34130-2.....	0.0748	EA	100
34130-2X.....	0.0635	EA	500
34130-4.....	0.1049	EA	100
34130-5.....	0.1598	EA	100
34130.....	0.0685	EA	100
34131-1.....	0.1684	EA	100
34131-1X.....	0.1384	EA	250
34131-2.....	0.3316	EA	100
34131-2X.....	0.2669	EA	250
34131.....	0.1570	EA	100
34134.....	0.0322	EA	100
34135.....	0.0318	EA	100
34136.....	0.0325	EA	100
34142-X.....	0.0551	EA	1000
34142.....	0.0744	EA	100
34143.....	0.0620	EA	100
34144-1.....	0.1063	EA	100
34144.....	0.0744	EA	100
34145.....	0.0345	EA	100
34147.....	0.0400	EA	100
34148.....	0.0470	EA	100
34149-1.....	0.0452	EA	100
34149.....	0.0385	EA	100
34150.....	0.0439	EA	100
34151.....	0.0462	EA	100
34152.....	0.0517	EA	100
34153.....	0.0591	EA	100
34154.....	0.0703	EA	100
34156.....	0.0414	EA	100
34158.....	0.0430	EA	100
34167-1.....	0.0214	EA	100
34167.....	0.0308	EA	100
34168.....	0.0232	EA	100
34169.....	0.0314	EA	100
3417.....	0.3196	EA	25
34170.....	0.0313	EA	100
34171-1.....	0.0257	EA	100
34171-2.....	0.0257	EA	100
34171.....	0.0232	EA	100
34172-X.....	0.0186	EA	500
34172.....	0.0245	EA	100
34173-1.....	0.0285	EA	100
34173-2.....	0.0285	EA	100
34173-X.....	0.0219	EA	500
34173.....	0.0248	EA	100
34174-1.....	0.0325	EA	100
34174-1X.....	0.0256	EA	500
34174-B.....	0.0252	EA	500
34174-X.....	0.0353	EA	100
34174-XX.....	0.0244	EA	500
34174.....	0.0032	EA	100
34175.....	0.0780	EA	100
34176-1-3000....	0.0281	EA	3000
34176-1.....	0.0757	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
34177	0.0971	EA	100
34178	0.1141	EA	100
34180-X	0.0875	EA	500
34180	0.0997	EA	100
34188-B	0.6079	EA	250
34188	0.6797	EA	25
34189	0.0454	EA	100
34190	0.0471	EA	100
34191	0.0543	EA	100
34192	0.0602	EA	100
34193	0.0734	EA	100
34194	0.0897	EA	100
34195	0.1264	EA	100
34196	0.1624	EA	100
34198-1	0.0514	EA	100
34198-2	0.0606	EA	100
34198-3	0.1058	EA	100
34198-4	0.0786	EA	100
34198-4X	0.0744	EA	2000
34199-1	0.1896	EA	100
34199-1X	0.1769	EA	2000
34199-2	0.2417	EA	100
34199-3	0.2749	EA	100
34199-X	0.1254	EA	2000
34199	0.1382	EA	100
342	2.7080	EA	5
34200-1-2000	0.1565	EA	2000
34200-1	0.3583	EA	25
34200-1B	0.3137	EA	250
34200-B	0.1940	EA	250
34200	0.2349	EA	25
34201-B	0.1975	EA	250
34201-S	0.7133	EA	25
34201-SB	0.6251	EA	250
34201	0.2416	EA	25
34202-B	0.1357	EA	250
34202	0.1701	EA	25
34203-B	0.1460	EA	250
34203	0.1804	EA	25
34204-B	0.1460	EA	250
34204	0.1804	EA	25
34205-B	0.1559	EA	250
34205	0.1871	EA	25
34206-B	0.3125	EA	250
34206	0.4031	EA	25
34207	0.1031	EA	100
34208-5000	0.0553	EA	5000
34208	0.1158	EA	100
34209	0.1889	EA	100
34210	0.2477	EA	100
34211	0.2745	EA	100
34212	0.1402	EA	100
34213	0.2354	EA	100
34215	0.1257	EA	100
34216-1	0.1635	EA	100
34216	0.1191	EA	100
34217	0.1684	EA	100
34221-X	0.0350	EA	2000
34221	0.0400	EA	100
34222-1	0.0639	EA	100
34222-X	0.0505	EA	2000
34222	0.0557	EA	100
34223	0.0601	EA	100
34224-X	0.0653	EA	2000
34224	0.0719	EA	100
34225-1	0.0953	EA	100
34225-2	0.1935	EA	100
34225-3	0.1504	EA	100
34225-X	0.0944	EA	2000
34225	0.1042	EA	100
34226	0.1167	EA	100
34227	0.1268	EA	100
34230	0.0818	EA	100
34231	0.2219	EA	100
34244	0.3290	EA	25
34245	0.4310	EA	25
34246	0.4522	EA	25
34247-1	1.1769	EA	10
34247	0.8161	EA	25
34248	1.5052	EA	10
34250	3.4066	EA	10
34251	0.0785	EA	100
34252	0.1930	EA	200
34253	0.2118	EA	250
34254	0.1996	EA	250
34255	0.0598	EA	100
34256	0.0471	EA	100
34257	0.2537	EA	250
34258	0.1696	EA	250
34259	0.3335	EA	50
3426	0.0789	EA	500
34260	0.0756	EA	250
34261	0.2042	EA	250
34262-5/8	0.0392	EA	500
34262-7/16	0.0387	EA	500
34264-3/4	0.1581	EA	500
34264-5/8	0.0844	EA	500
34265-3/8	0.0508	EA	500
34265-5/8	0.0717	EA	500
34266-1/2	0.0421	EA	500
34266-5/16	0.0328	EA	500
34266-5/8	0.0415	EA	500
34266-7/16	0.0343	EA	500
34267-1/2	0.0608	EA	500
34267-3/8	0.0950	EA	500
34267-5/8	0.0395	EA	500
34267-7/16	0.0631	EA	500
34268-1/2	0.1151	EA	500
34269	0.0687	EA	100
3427	0.1751	EA	50
34270	0.0375	EA	100
34271-1	0.0190	EA	100
34271	0.0775	EA	100
34272	0.0760	EA	100
34273	0.0885	EA	100
34274	0.1115	EA	100
34275	0.1272	EA	50
34276-1	0.4126	EA	50
34276	0.1695	EA	50
34277	0.7282	EA	50
34278	1.0761	EA	50
34279	1.1508	EA	25
34280	1.4416	EA	25
34281	0.0812	EA	100
34282	0.1337	EA	100
34283	0.1732	EA	100
34284	0.0750	EA	100
34285	0.3132	EA	50
34286-1	0.4126	EA	50
34286	0.3838	EA	50
34287	0.7282	EA	50
34288	1.0761	EA	50
34289	1.1508	EA	25
34290	1.4416	EA	25
34291	0.1615	EA	50
34292	0.1894	EA	50
34293	0.1576	EA	50
34294	0.2585	EA	50
34295	0.3412	EA	50
34296	0.3706	EA	50
34298	0.1151	EA	50
34299	0.1635	EA	50
342A	0.7709	EA	25
343-1	0.5542	EA	25
343-2	0.5542	EA	25
343-3	0.6393	EA	25
343	4.0200	EA	5
34300	0.0983	EA	50
34302	0.1382	EA	50
34304	0.1840	EA	50
34308	0.2743	EA	50
34315	0.1482	EA	25
34316	0.1512	EA	25
34317	0.1555	EA	25
34318	0.1763	EA	25
34319	0.1866	EA	25
34320	0.2726	EA	25
34321	0.2128	EA	25
34323	0.2779	EA	25
34324	0.3292	EA	25
34325	0.4156	EA	25
34327	1.0495	EA	10
34331	0.2165	EA	25
34345	1.5462	EA	50
34346	6.1218	EA	50
34347	6.7249	EA	50
34348	7.3908	EA	25
34349	0.1844	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
34350	0.2130	EA	50
34351	0.2616	EA	25
34352	0.4128	EA	25
34353	0.1112	EA	25
34354	0.1685	EA	25
34355	0.1773	EA	25
34356	0.2253	EA	25
34357	0.4998	EA	25
34358	0.5972	EA	10
34360	0.1112	EA	25
3437	0.8604	EA	15
34375	0.0368	EA	100
34376	0.0385	EA	100
34378	0.0480	EA	100
34380	0.0475	EA	100
34382	0.0523	EA	100
34384	0.0490	EA	100
34385	0.0571	EA	100
34386	0.0675	EA	100
34387	0.0742	EA	100
34388	0.0763	EA	100
34389	0.0789	EA	100
3439	0.2160	EA	25
34390	0.0816	EA	100
34392	0.0859	EA	100
34393-5	0.1044	EA	50
34393-6	0.1186	EA	50
34393	0.0390	EA	100
34395-1	0.0561	EA	100
34395-1/2	0.0472	EA	100
34395-11/2	0.1115	EA	100
34395-2	0.1287	EA	100
34395-21/2	0.1524	EA	100
34395-3	0.1420	EA	100
34395-3/4	0.0502	EA	100
34395-4	0.1623	EA	100
34396-1	0.0838	EA	100
34396-11/2	0.1120	EA	100
34396-2	0.1338	EA	50
34396-21/2	0.1540	EA	50
34396-3	0.1787	EA	50
34396-3/4	0.0744	EA	100
34396-4	0.2278	EA	50
34396-6	0.4739	EA	50
34399	5.4264	EA	12
344	4.8800	EA	5
3440	0.1691	EA	25
34405-1	0.0501	EA	100
34405-1/2	0.0058	EA	100
34405-11/2	0.0548	EA	100
34405-11/4	0.0526	EA	100
34405-13/4	0.0576	EA	100
34405-2	0.0729	EA	100
34405-21/2	0.0771	EA	100
34405-21/4	0.0742	EA	100
34405-3	0.0825	EA	100
34405-3/4	0.0480	EA	100
34405-31/2	0.0859	EA	100
34405-4	0.0901	EA	100
3441	0.6833	EA	25
34410-1	0.0566	EA	100
34410-1/2	0.0472	EA	100
34410-11/2	0.1124	EA	100
34410-11/4	0.1043	EA	100
34410-2	0.1301	EA	100
34410-3	0.1796	EA	100
34410-3/4	0.0508	EA	100
34415-1	0.2759	EA	50
34415-11/2	0.3177	EA	50
34415-11/4	0.2960	EA	100
34415-2	0.3710	EA	50
34415-21/2	0.3212	EA	100
34415-3	0.4314	EA	50
34415-3/4	0.2496	EA	50
34415-4	0.4841	EA	50
34415-6	0.6010	EA	50
3442	0.5876	EA	25
34420-1	0.5184	EA	25
34420-1/2	0.3582	EA	25
34420-3/4	0.4070	EA	25
34421-1	0.5448	EA	25
34421-1/2	0.4836	EA	25
34421-3/4	0.4819	EA	25
34422-1	0.3941	EA	25
34422-1/2	0.4981	EA	25
34422-3/4	0.4315	EA	25
34423-1	0.5928	EA	25
34423-1/2	0.5649	EA	25
34423-11/2	0.6664	EA	25
34423-11/4	0.6106	EA	25
34423-2	0.6981	EA	25
34424-1	0.8574	EA	25
34424-1/2	0.7218	EA	25
34424-11/2	1.0548	EA	25
34424-11/4	0.9688	EA	25
34424-2	1.1026	EA	25
34424-3/4	0.7948	EA	25
34425-1	1.5264	EA	25
34425-11/2	1.8974	EA	25
34425-2	2.1942	EA	25
34425-3/4	1.3303	EA	25
3442A	0.9804	EA	15
3444	0.7447	EA	25
34440-1	0.3941	EA	25
34441-1	0.3941	EA	25
34441-1/2	0.3610	EA	25
34442-1	0.4682	EA	25
34442-1/2	0.4126	EA	25
34442-11/2	0.5690	EA	25
34442-11/4	0.5184	EA	25
34442-2	0.6212	EA	25
34442-3	0.9170	EA	25
34442-3/4	0.4524	EA	25
34443-1	0.7785	EA	25
34443-2	1.0022	EA	25
34444-1	1.5052	EA	25
34444-3/4	1.4204	EA	25
3444A	0.2212	EA	25
34452	0.0389	EA	100
3446	0.1714	EA	100
34462	0.0649	EA	100
34464	0.0552	EA	100
34479	0.0746	EA	100
3448	0.3689	EA	25
34481	0.0270	EA	100
3449	0.3853	EA	25
34493	0.1151	EA	100
34495	0.1718	EA	100
344996	0.3511	EA	20
344A	0.5383	EA	25
345	5.2080	EA	5
3451	0.9004	EA	10
34515	0.0760	EA	100
3452	0.6200	EA	25
34532-1	0.7134	EA	50
34532-2	0.7620	EA	50
34532-3	1.0053	EA	50
34532	0.3616	EA	50
34533	3.5929	EA	50
3454	0.5376	EA	25
34550	3.8913	EA	50
3456	0.4134	EA	25
34560-10	9.7665	EA	2
34560-12	13.3122	EA	2
34560-15	20.6640	EA	1
34560-16	22.4979	EA	1
34560-20	44.4750	EA	1
34560-25	49.0508	EA	1
34560-3	2.8334	EA	2
34560-4	3.0068	EA	2
34560-5	4.7047	EA	2
34560-6	5.6095	EA	2
34560-8	6.9850	EA	2
3457	0.3695	EA	25
34571	0.0242	EA	100
34572	0.0504	EA	100
34573	0.0296	EA	100
34574-1	0.0781	EA	100
34574-2	0.0668	EA	100
34574-3	0.0787	EA	100
34574-4	0.0850	EA	100
34574	0.0359	EA	100
34575	0.0480	EA	100
34576	0.0525	EA	100
34577	0.0550	EA	100
34578-1	0.0817	EA	100
34578	0.0816	EA	100
34579-1	0.0948	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
34579	0.0640	EA	100
34580	0.1095	EA	100
34581	0.1212	EA	100
34582	0.1296	EA	100
34583	0.1080	EA	100
34584	0.1460	EA	100
34585	0.1232	EA	100
34586	0.1737	EA	100
34587	0.1843	EA	100
34588	0.2064	EA	50
34589	0.2412	EA	50
3459	0.5818	EA	15
34590-1	118.9638	EA	1
34590-1/16	2.4612	EA	2
34590-1/2	30.1252	EA	1
34590-1/4	8.2680	EA	2
34590-1/8	4.3990	EA	2
34590-11/2	110.5877	EA	1
34590-11/4	107.1533	EA	1
34590-11/8	105.7795	EA	1
34590-1116	43.7886	EA	1
34590-1132	12.0891	EA	2
34590-1364	3.7709	EA	2
34590-1564	6.6971	EA	2
34590-3/16	6.6462	EA	2
34590-3/32	2.6956	EA	2
34590-3/4	67.4266	EA	1
34590-3/8	18.5818	EA	2
34590-5/16	12.8896	EA	2
34590-5/32	4.8454	EA	2
34590-5/8	46.8732	EA	1
34590-7/16	27.0724	EA	2
34590-7/32	6.1888	EA	2
34590-7/8	92.1140	EA	1
34590-9/16	30.2914	EA	1
34590-9/32	8.4486	EA	2
34590-9/64	3.8079	EA	2
345A	0.4083	EA	25
346	0.0989	EA	100
34600	0.1275	EA	50
34601	0.0929	EA	50
34602	0.1500	EA	50
34603-1	0.0915	EA	50
34603	0.1579	EA	50
34604	0.1848	EA	50
34605	0.2105	EA	50
34606	0.2399	EA	50
34607	0.1190	EA	50
34608	0.1400	EA	50
34609	0.2895	EA	50
34610	0.3202	EA	50
34611	0.3325	EA	50
34612	0.3718	EA	50
34614	0.6029	EA	50
34615	1.1360	EA	50
34616	1.1952	EA	50
34620-1	0.1043	EA	100
34620-11/2	0.1217	EA	100
34620-11/4	0.1130	EA	100
34620-2	0.1521	EA	100
34620-21/2	0.1782	EA	100
34620-3	0.2260	EA	100
34620-31/2	0.2004	EA	100
34620-4	0.2477	EA	100
34621-1	0.1591	EA	100
34621-11/2	0.1921	EA	100
34621-2	0.2173	EA	100
34621-21/2	0.2808	EA	100
34621-3	0.3425	EA	100
34621-31/2	0.3946	EA	100
34621-4	0.4129	EA	100
34621-5	0.6228	EA	100
34622-1	0.2334	EA	100
34622-11/2	0.2629	EA	100
34622-2	0.3503	EA	100
34622-21/4	0.4216	EA	50
34622-3	0.5228	EA	50
34622-31/2	0.5954	EA	50
34622-4	0.5002	EA	50
34622-5	0.6845	EA	50
34622-6	1.0769	EA	50
34622-7	4.3199	EA	50
34622-9	4.6470	EA	25
34623-1	0.5454	EA	50
34623-11/2	0.4702	EA	50
34623-13/4	0.5954	EA	50
34623-2	0.5172	EA	50
34623-21/2	0.6584	EA	50
34623-3	0.8562	EA	50
34623-31/2	0.9027	EA	25
34623-4	1.0700	EA	25
34623-41/2	1.2951	EA	25
34623-51/2	1.7319	EA	25
34624-1	2.1667	EA	25
34624-2	1.2169	EA	25
34625	0.1700	EA	50
34626-31/2	1.7775	EA	25
34626-4	2.1556	EA	25
34626-41/2	2.3381	EA	25
34626-51/2	2.6945	EA	25
34626	0.1915	EA	50
34627	0.2000	EA	50
34628-1	0.2186	EA	50
34628	0.2210	EA	50
34629-1	0.2382	EA	50
34629	0.2467	EA	50
34630-1	0.2803	EA	50
34630	0.2890	EA	50
34631	0.1600	EA	50
34632	0.3423	EA	50
34633	0.2010	EA	50
34634	0.4504	EA	50
34635	0.4521	EA	50
34636	0.4969	EA	50
34637	0.2800	EA	50
34639	0.8625	EA	25
34641	1.0670	EA	25
34651	0.2798	EA	50
34652	0.3006	EA	50
34653-1	0.3368	EA	50
34653	0.3387	EA	50
34654-1	0.4433	EA	50
34654	0.3972	EA	50
34655	0.4563	EA	50
34656	0.5306	EA	50
34657	0.5495	EA	50
34658	0.9692	EA	50
34660	0.8776	EA	50
34677	0.3588	EA	50
34678-1	0.4557	EA	50
34678	0.4373	EA	50
34679	0.4783	EA	50
34680	0.5356	EA	50
34681	0.6172	EA	50
34682	0.7145	EA	50
34683	0.7821	EA	50
34684	0.9020	EA	50
34685	0.9424	EA	50
34686	1.0213	EA	50
34687	1.1130	EA	50
34689	1.6748	EA	25
3469	0.2442	EA	25
34690-1	2.1947	EA	25
34690	2.1652	EA	25
34691	0.9239	EA	25
34692	1.1130	EA	25
34694-31/2	1.4559	EA	25
34694-4	1.3984	EA	25
34694-41/2	1.8471	EA	10
34694-5	2.0458	EA	10
34694-51/2	2.3002	EA	10
34694-6	2.8864	EA	10
34694-61/2	4.1398	EA	10
34694-7	4.3172	EA	10
34694-8	4.4988	EA	10
34694	1.2614	EA	25
34695-1	0.1477	EA	10
34695-1/2	0.1445	EA	10
34695-3/4	0.2650	EA	10
34696-1	0.1930	EA	10
34696-11/2	0.3498	EA	10
34696-11/4	0.2160	EA	10
34696-2	0.2662	EA	10
34696-21/4	0.2823	EA	10
34696-3/4	0.2862	EA	10
34697-1	0.3604	EA	10
34697-11/2	0.4346	EA	10
34697-11/4	0.3816	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
34697-13/4.....	0.4224	EA	10
34697-2.....	0.5194	EA	10
34697-21/2.....	0.4945	EA	10
34697-3/4.....	0.3180	EA	10
34698-1.....	0.7736	EA	10
34698-11/2.....	0.6971	EA	10
34698-2.....	0.7482	EA	10
34698-21/2.....	0.8311	EA	10
34699-1.....	0.8480	EA	10
34699-11/2.....	1.0494	EA	10
34699-11/4.....	0.9328	EA	10
34699-13/4.....	0.8162	EA	10
34699-2.....	1.1978	EA	10
347.....	4.2240	EA	5
3470.....	0.8007	EA	25
34700-11/2.....	1.0445	EA	10
34700-11/4.....	0.9946	EA	10
34700-13/4.....	1.1102	EA	10
34700-21/2.....	1.2912	EA	10
34700-21/4.....	2.2684	EA	10
34700-3.....	1.4836	EA	10
34701-21/2.....	2.5234	EA	10
34701-4.....	3.2567	EA	10
34719.....	0.0240	EA	100
34720.....	0.0241	EA	100
34721.....	0.0241	EA	100
34722-5/8.....	0.0241	EA	100
34723.....	0.0239	EA	100
34724.....	0.0366	EA	100
34725.....	0.0245	EA	100
34726.....	0.0248	EA	100
34727.....	0.0253	EA	100
34729.....	0.0296	EA	100
34730.....	0.0345	EA	100
34731-11/2.....	0.0391	EA	100
34738.....	0.0266	EA	100
34739.....	0.0282	EA	100
34740.....	0.0301	EA	100
34742.....	0.0334	EA	100
34743.....	0.0429	EA	100
34744.....	0.0499	EA	100
34746.....	0.0557	EA	100
34747.....	0.0612	EA	100
34748.....	0.0726	EA	100
34749.....	0.0984	EA	100
34750.....	0.0318	EA	50
34751.....	0.0330	EA	50
34752.....	0.0349	EA	50
34753.....	0.0080	EA	50
34754.....	0.0496	EA	50
34755.....	0.0548	EA	50
34756.....	0.0606	EA	50
34757.....	0.0663	EA	50
34759.....	0.0772	EA	50
34760.....	0.0886	EA	50
34765.....	0.0552	EA	50
34766.....	0.0621	EA	50
34767.....	0.0667	EA	50
34768.....	0.0728	EA	50
34769.....	0.0736	EA	50
3477.....	0.0667	EA	50
34770.....	0.0758	EA	50
34771-21/2.....	0.1060	EA	50
34772-3.....	0.1388	EA	50
34774-1.....	0.0757	EA	50
34775-11/4.....	0.0816	EA	50
34778.....	0.1413	EA	50
34780.....	0.0911	EA	50
34782.....	0.1195	EA	50
34796-1.....	0.2079	EA	10
34796-11/2.....	0.2557	EA	10
34796-3/4.....	0.2000	EA	10
34797-1.....	0.3912	EA	10
34797-11/2.....	0.4356	EA	10
34797-11/4.....	0.4151	EA	10
34797-3/4.....	0.5596	EA	10
34799-1.....	0.8203	EA	10
34799-11/2.....	0.8755	EA	10
347A.....	0.0557	EA	25
348.....	5.7800	EA	5
34820.....	0.2465	EA	50
34821.....	0.2624	EA	50
34822.....	0.3644	EA	50
34823.....	0.3938	EA	50
34825.....	0.2846	EA	50
34826.....	0.2817	EA	50
34827.....	0.3718	EA	50
34828.....	0.4094	EA	50
34830.....	0.2672	EA	50
34831.....	0.2954	EA	50
34832.....	0.3745	EA	50
34833.....	0.4451	EA	25
34835.....	0.2805	EA	50
34836.....	0.3122	EA	50
34837.....	0.3918	EA	25
34838.....	0.4635	EA	25
34839.....	0.5232	EA	25
34840.....	0.3018	EA	50
34841.....	0.3926	EA	50
34842.....	0.4718	EA	25
34843.....	0.5547	EA	25
34844-1.....	0.8422	EA	25
34844.....	0.6398	EA	25
34845.....	0.3640	EA	50
34846.....	0.4380	EA	25
34847.....	0.4818	EA	25
34848.....	0.5541	EA	25
34849-1.....	0.8804	EA	25
34849-2.....	1.0548	EA	25
34849-3.....	1.3329	EA	25
34849.....	0.7000	EA	25
34850.....	0.4701	EA	25
34851.....	0.5778	EA	25
34852.....	0.7617	EA	20
34853.....	0.7500	EA	20
34854-1.....	1.1689	EA	10
34854-2.....	1.4313	EA	10
34854-3.....	1.8351	EA	10
34854.....	0.8526	EA	10
34855.....	0.7783	EA	10
34856.....	0.8884	EA	10
34857.....	0.9077	EA	10
34858.....	1.1954	EA	10
34859-1.....	1.6748	EA	10
34859-2.....	2.2241	EA	10
34859-3.....	2.7601	EA	10
34859-4.....	1.1204	EA	10
34859-5.....	1.9504	EA	10
34859-6.....	2.5781	EA	10
34859-7.....	3.2214	EA	10
34859.....	1.2927	EA	10
34860.....	0.1184	EA	25
34861.....	0.1064	EA	25
34862.....	0.1374	EA	25
34863.....	0.0969	EA	25
34864.....	0.0939	EA	25
34865.....	0.1234	EA	25
34866.....	0.1274	EA	25
34867.....	0.1326	EA	25
34870.....	0.0763	EA	25
34871-1.....	0.1036	EA	25
34871.....	0.0781	EA	25
34872-1.....	0.1102	EA	25
34872.....	0.1056	EA	25
34873-1.....	0.1141	EA	25
34873.....	0.1126	EA	25
34874-1.....	0.1202	EA	25
34874.....	0.1165	EA	25
34875.....	0.1203	EA	25
34878-1.....	0.1093	EA	25
34878.....	0.0883	EA	25
34879-1.....	0.1145	EA	25
34879.....	0.1117	EA	25
34880-1.....	0.1402	EA	25
34880.....	0.1169	EA	25
34881-1.....	0.1787	EA	25
34881.....	0.1429	EA	25
34882.....	0.1823	EA	25
34885.....	0.1084	EA	25
34886.....	0.1126	EA	25
34887-1.....	0.1347	EA	25
34887.....	0.1242	EA	25
34888-1.....	0.1813	EA	25
34888.....	0.1377	EA	25
34889-1.....	0.2351	EA	25
34889.....	0.1849	EA	25
34890.....	0.2397	EA	25
34891.....	0.3200	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
34892	0.3466	EA	25
34893	0.1759	EA	25
34894	0.1876	EA	25
34895-1	0.2539	EA	25
34895	0.2061	EA	25
34896-1	0.3343	EA	25
34896	0.2589	EA	25
34897	0.3408	EA	25
348A	0.1314	EA	25
349	6.7240	EA	5
34900	0.2327	EA	25
34901	0.2440	EA	25
34902-1	0.4433	EA	25
34902	0.2881	EA	25
34903-1	0.4482	EA	25
34903	0.4522	EA	25
34904	0.4571	EA	25
34905	0.6310	EA	25
34906-1	0.8889	EA	25
34906	0.6936	EA	25
34907	0.5327	EA	10
34908	0.5050	EA	10
34909	0.7187	EA	10
34911	0.4526	EA	10
34912-1	0.5959	EA	10
34912	0.4994	EA	10
34913-1	0.7980	EA	10
34913	0.6078	EA	10
34914	0.8140	EA	10
34915	1.0600	EA	10
34916	1.1448	EA	10
34917	1.4310	EA	10
34918	1.8974	EA	10
34919	2.2260	EA	10
34920	1.1130	EA	10
34921	1.2402	EA	10
34922	1.3462	EA	10
34923	1.6006	EA	10
34924	1.9398	EA	10
34925	2.3002	EA	10
34930	2.4910	EA	10
34931	2.8726	EA	10
34932	3.5404	EA	10
34939	0.0263	EA	50
34946	0.0247	EA	50
34948	0.0644	EA	50
3495	0.3413	EA	25
34950	0.0206	EA	100
34951-1	0.0242	EA	100
34951	0.0299	EA	100
34952	0.0283	EA	100
34953	0.0309	EA	100
34954	0.0495	EA	100
34956-1	0.0407	EA	100
34956	0.0355	EA	100
34957	0.0417	EA	100
34958	0.0572	EA	100
34959	0.0948	EA	100
3496	0.1565	EA	100
34960	0.0634	EA	100
34961	0.1118	EA	100
34962	0.0737	EA	100
34969	0.0203	EA	50
34970	0.0560	EA	50
34971-1	0.0663	EA	50
34971	0.0247	EA	50
34973-1	0.0389	EA	50
34973-3	0.0810	EA	50
34973	0.0433	EA	50
34975	0.0423	EA	50
34976-3	0.0457	EA	50
34976	0.0498	EA	50
34977-2	0.0552	EA	50
34977	0.0601	EA	50
34978-1	0.0467	EA	50
34978	0.0432	EA	50
34979-1	0.0612	EA	50
34979	0.0542	EA	50
34980	0.0686	EA	50
34981-1	0.1288	EA	50
34981-2	0.1083	EA	50
34981	0.0825	EA	50
34982-1	0.0827	EA	50
34982-11/8	0.1116	EA	50
34982-7/8	0.0979	EA	50
34982	0.0687	EA	50
34983-1	0.1020	EA	50
34983-2	0.1576	EA	50
34983-3	0.1288	EA	50
34983	0.0924	EA	50
34984-4	0.0950	EA	50
34984-5	0.1288	EA	50
34984	0.0823	EA	50
34985-11/8	0.1460	EA	25
34985-2	0.1206	EA	25
34985-21/2	0.1611	EA	25
34985-4	0.1339	EA	25
34985-5	0.1975	EA	25
34985	0.1081	EA	50
34986-3	0.2239	EA	25
34986	0.1657	EA	25
34987	0.2013	EA	25
34988	0.2452	EA	25
34989-1	0.1541	EA	25
34989-11/8	0.2078	EA	25
34989-7/8	0.1837	EA	25
34989	0.1347	EA	25
34990-1	0.1932	EA	25
34990-15/8	0.2490	EA	25
34990-2	0.2662	EA	25
34990	0.2917	EA	25
34991-1	0.3095	EA	25
34991-1/4	0.3246	EA	25
34991-11/4	0.4654	EA	25
34991-X	0.2710	EA	25
34991	0.2321	EA	25
34992-1	0.2138	EA	25
34992-6	0.2550	EA	25
34992	0.1673	EA	25
34993-2	0.1281	EA	25
34993-4	0.3786	EA	25
34993-6	0.4613	EA	25
34993-7	0.6738	EA	25
34993	0.2964	EA	25
349A	0.5618	EA	25
34A	0.3323	EA	25
35-10CF	45.3118	EA	1
35-24CF	84.8468	EA	1
35	1.1080	EA	10
350	3.6920	EA	5
35001	0.0358	EA	100
35002	0.0441	EA	100
35003	0.0394	EA	100
35004	0.0495	EA	100
35005	0.0427	EA	100
35006	0.0509	EA	100
35007	0.0358	EA	100
35008	0.0452	EA	100
35009	0.0394	EA	100
35010	0.0475	EA	100
35011	0.0427	EA	100
35012	0.0841	EA	100
35013	0.0394	EA	100
35014	0.0773	EA	100
35016	0.0452	EA	100
35017	0.0463	EA	100
35018	0.0442	EA	100
35019	0.0479	EA	100
35020	0.0584	EA	100
35021	0.0515	EA	100
35022	0.0579	EA	100
35023	0.0458	EA	100
35024	0.0497	EA	100
35025	0.0567	EA	100
35026	0.0561	EA	100
35027	0.0704	EA	100
35028	0.0626	EA	100
35029	0.0737	EA	100
35030	0.0865	EA	100
35031	0.0704	EA	100
35032	0.0655	EA	100
35033	0.0800	EA	100
35034	0.0989	EA	100
35035	0.0900	EA	100
35036	0.0542	EA	100
35037	0.1220	EA	100
35038	0.0848	EA	100
35039	0.0944	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
3504	0.6029	EA	25
35040	0.1181	EA	100
35041	0.1039	EA	100
35042	0.1156	EA	100
35043	0.1299	EA	100
35044	0.1734	EA	100
35045	0.1597	EA	100
35046	0.1545	EA	100
35047	0.1200	EA	100
35048	0.2129	EA	50
35049	0.2164	EA	50
3505	0.5955	EA	25
35050	0.1725	EA	50
35051	0.2456	EA	50
35052	0.2140	EA	50
35053	0.0092	EA	100
35054	0.1345	EA	100
35055	0.1531	EA	50
35056	0.1699	EA	50
35057	0.1830	EA	50
35058	0.1972	EA	50
35059	0.2197	EA	25
3506	0.2421	EA	50
35060	0.2656	EA	25
35061	0.5902	EA	25
35062	0.4946	EA	25
35063	0.6945	EA	25
35064	0.1790	EA	100
35065	0.2318	EA	100
35066	0.2009	EA	50
35067	0.2210	EA	50
35068	0.2474	EA	50
35069	0.2820	EA	50
35070	0.3272	EA	25
35071	0.4636	EA	25
35072	0.9328	EA	15
35073	0.7384	EA	15
35074	0.8071	EA	15
35075	0.2938	EA	50
35076	0.2498	EA	25
35077	0.3661	EA	25
35078	0.3283	EA	25
35079	0.4791	EA	25
35080	0.4930	EA	25
35081	1.3250	EA	15
35082	1.5264	EA	15
35083	0.3977	EA	25
35084	0.4508	EA	25
35085	0.4232	EA	25
35086	0.6282	EA	25
35087	0.5374	EA	25
35088	0.6501	EA	15
35089	0.7775	EA	15
35090	0.5283	EA	25
35091	0.7231	EA	25
35092	0.6709	EA	25
35093	0.8338	EA	15
35094	1.0494	EA	15
35095	1.4655	EA	10
35096	1.4522	EA	10
350A	0.1347	EA	50
350EMT	7.1133	EA	10
351	5.0440	EA	5
35100	0.9844	EA	20
35101	1.0119	EA	20
35102	2.2453	EA	20
35103	4.2732	EA	20
35104	4.1034	EA	20
35105	4.0089	EA	20
35106	1.2350	EA	20
35107	4.7002	EA	20
35108	2.7838	EA	20
35109	4.3617	EA	20
35110	4.5406	EA	20
35111	4.8197	EA	20
35112	5.1659	EA	20
35113	5.3717	EA	20
35114	1.6438	EA	20
35115	6.7336	EA	20
35116	7.3606	EA	20
35117	6.1336	EA	20
35118	6.7325	EA	20
35119	7.6040	EA	20
3512	0.1789	EA	50
35120	7.4029	EA	20
35121	4.6983	EA	20
35122	8.7160	EA	20
35123	7.4392	EA	10
35124	7.7925	EA	10
35125	5.5618	EA	10
35126	3.2462	EA	10
35127	2.0015	EA	1
35128	2.3001	EA	1
35129	2.5731	EA	1
3513	0.6191	EA	10
35130	3.5244	EA	1
35131	4.5903	EA	1
35132	5.9486	EA	1
35150	0.3984	EA	20
35151	0.4533	EA	20
35152	0.6182	EA	20
35154	0.5358	EA	20
35155	0.6182	EA	20
35156	0.7006	EA	20
35157	1.0704	EA	20
35158	1.0853	EA	20
35159	0.9479	EA	20
35160	1.1677	EA	20
35161	1.2776	EA	20
35162	1.3875	EA	20
35163	1.4974	EA	20
35164	1.9370	EA	20
35165	2.2118	EA	20
35166	1.8224	EA	20
35167	3.0522	EA	20
35168	2.0744	EA	20
35169	2.4865	EA	20
35170	3.1028	EA	20
35171	3.1962	EA	20
35172	3.4207	EA	20
35173	3.5308	EA	10
35174	3.6633	EA	10
35175	4.2740	EA	10
35176	4.5776	EA	10
352	5.9880	EA	5
35200	0.0559	EA	100
35201	0.0802	EA	100
35202	0.0548	EA	100
35203	0.0847	EA	100
35204	0.1196	EA	100
35205	0.0611	EA	100
35207	0.0954	EA	100
35208	0.0658	EA	50
35209	0.1190	EA	50
35210	0.0825	EA	50
35213	0.1424	EA	50
35214	0.1513	EA	50
35226	0.0878	EA	50
35228	0.0901	EA	50
35229	0.1219	EA	50
35230	0.1066	EA	50
35232	0.1118	EA	50
35233	0.1129	EA	50
35234	0.1283	EA	50
35236	0.1484	EA	50
35238	0.1812	EA	50
35239	0.1888	EA	50
35241	0.2308	EA	50
35242	0.2473	EA	25
35243	0.2720	EA	25
35244	0.3008	EA	25
35245	0.3332	EA	25
35249	0.1080	EA	50
35250	0.1149	EA	50
35251	0.1258	EA	50
35252	0.1374	EA	50
35254	0.2042	EA	50
35255	0.2054	EA	50
35256	0.2153	EA	50
35257	0.2215	EA	50
35258-1	0.3282	EA	50
35258	0.2316	EA	50
35260	0.2524	EA	50
35261	0.2574	EA	50
35262-1	0.4087	EA	50
35262-2	0.3073	EA	50
35262	0.2750	EA	50
35265	0.3796	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
35266	0.4507	EA	50
35267	0.4784	EA	50
35268	0.6251	EA	50
35269	0.5359	EA	50
35270	0.7043	EA	25
35271	0.7315	EA	25
35272	0.7933	EA	25
35273	0.8488	EA	25
35274	0.9140	EA	25
35275	0.1133	EA	50
35277	0.1305	EA	50
35278	0.1090	EA	50
35280	0.1130	EA	50
35282	0.1267	EA	50
35283	0.1350	EA	50
35285	0.2062	EA	50
35286	0.2074	EA	50
35288	0.2130	EA	50
35289	0.2183	EA	50
3529	0.1433	EA	50
35290-1	0.3069	EA	50
35290	0.2293	EA	50
35291-1	0.2686	EA	50
35291	0.2490	EA	50
35292	0.4088	EA	25
35293-1	0.3058	EA	25
35293	0.2759	EA	25
35295	0.5213	EA	25
35296	0.3775	EA	25
35297	0.4878	EA	25
35298	0.6113	EA	10
35299	0.4645	EA	10
352A	0.1388	EA	25
353	7.3800	EA	5
35300	0.5228	EA	10
35301	0.7056	EA	10
35302	0.7525	EA	10
35303	0.8278	EA	10
35304	0.9540	EA	10
35305	1.0388	EA	10
35306	1.8126	EA	10
35307	2.0988	EA	10
35314	0.1282	EA	100
35315	0.2211	EA	100
35316	0.2664	EA	100
35317	0.1207	EA	100
354	8.1200	EA	5
35460	0.0280	EA	100
35461	0.0309	EA	100
35462	0.0306	EA	100
35463	0.0448	EA	100
35464	0.0463	EA	100
35465	0.0512	EA	100
35466	0.0826	EA	100
35467	0.0974	EA	100
35470	0.0433	EA	100
35471	0.2135	EA	100
35472	0.1040	EA	100
35473	0.1504	EA	100
35474	0.1625	EA	100
35475	0.2373	EA	100
35476	0.2025	EA	100
35477	0.2234	EA	100
35480	0.0601	EA	100
35481	0.0738	EA	100
35482	0.0738	EA	100
35483	0.0961	EA	100
35484	0.1439	EA	100
35485	0.1545	EA	100
35486	0.2609	EA	100
35487	0.2421	EA	100
354A	0.1093	EA	50
355	3.8120	EA	5
35509	0.0183	EA	100
35510	0.0200	EA	100
35512	0.0216	EA	100
35514	0.0344	EA	100
35529	0.0253	EA	100
35531	0.0294	EA	100
35533	0.0351	EA	100
35534	0.0440	EA	100
35535	0.0472	EA	100
35536	0.0482	EA	100
35537	0.0528	EA	100
35551	0.0412	EA	100
35553	0.0451	EA	100
35555	0.0485	EA	100
35556	0.0553	EA	100
35557	0.0613	EA	100
35558	0.0632	EA	100
35559	0.0689	EA	100
35561	0.0896	EA	50
35562	0.1063	EA	50
35577	0.0536	EA	100
35579	0.0560	EA	100
35581	0.0424	EA	100
35582	0.0513	EA	100
35583	0.0576	EA	50
35584	0.0674	EA	50
35585	0.0338	EA	50
35586	0.1075	EA	50
35587	0.1343	EA	50
35590	0.0501	EA	100
35592	0.0563	EA	100
35593	0.0648	EA	100
35594	0.0718	EA	50
35595	0.0817	EA	50
35596	0.0937	EA	50
35597	0.1095	EA	50
35598	0.1631	EA	50
355A	0.0643	EA	100
356	5.7400	EA	5
35601	0.0630	EA	50
35603	0.0697	EA	50
35605	0.0901	EA	50
35606	0.0965	EA	50
35607	0.1107	EA	50
35608	0.1367	EA	50
35609	0.1633	EA	50
35610	0.1723	EA	25
35615	0.2151	EA	50
35618	0.2412	EA	50
35619	0.2542	EA	50
35635	0.0267	EA	100
35636	0.0400	EA	100
35640	0.0222	EA	100
35642	0.0159	EA	100
35651	0.3325	EA	50
35652	0.4025	EA	50
35653	0.4307	EA	50
35654	0.5067	EA	50
35656	0.5300	EA	50
35657	0.0280	EA	100
35659	0.0290	EA	100
35660	0.0328	EA	100
35661-11/4	0.0478	EA	100
35661	0.0391	EA	100
35662	0.0647	EA	100
35663	0.0316	EA	100
35664	0.0375	EA	100
35665-13/4	0.0832	EA	100
35665	0.0429	EA	100
35666	0.0518	EA	100
35667	0.0578	EA	100
35668	0.1018	EA	100
35669	0.1170	EA	100
35670	0.1262	EA	100
35673-13/4	0.0941	EA	50
35673	0.0499	EA	100
35674-3/4	0.0425	EA	50
35674	0.0593	EA	100
35675	0.0668	EA	50
35676-21/4	0.0995	EA	50
35676	0.1031	EA	50
35677	0.1079	EA	50
35678-31/2	0.1447	EA	50
35678	0.1383	EA	50
35679	0.0583	EA	50
35680-11/4	0.0745	EA	50
35680	0.0661	EA	50
35681	0.0841	EA	50
35682	0.1097	EA	50
35683	0.1574	EA	50
35684	0.1662	EA	50
35686	0.1199	EA	50
35687	0.1380	EA	50
35688	0.1972	EA	50
356A	0.0865	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
357	7.5040	EA	5
35701	0.0307	EA	100
35703	0.1087	EA	100
35793	0.0252	EA	100
35794	0.0378	EA	100
35795	0.0260	EA	100
35796	0.0268	EA	100
358	4.7160	EA	5
35801-1	0.0181	EA	50
35801	0.0176	EA	50
35802-1	0.0196	EA	50
35802	0.0186	EA	50
35803	0.0208	EA	50
35804-1	0.0436	EA	50
35804-2	0.0333	EA	50
35804	0.0231	EA	50
35805-1	0.0205	EA	50
35805	0.0194	EA	50
35806-1	0.0233	EA	50
35806	0.0217	EA	50
35807	0.0252	EA	50
35808-1	0.0391	EA	50
35808	0.0284	EA	50
35809-1	0.1144	EA	50
35809	0.0499	EA	50
35810-1	0.0248	EA	50
35810-2	0.0277	EA	50
35810	0.0257	EA	50
35811	0.0298	EA	50
35812	0.0739	EA	50
35813-1	0.0480	EA	50
35813	0.0394	EA	50
35814	0.0670	EA	50
35816-1	0.0234	EA	50
35816	0.0239	EA	50
35817-1	0.0277	EA	50
35817	0.0257	EA	50
35818	0.0298	EA	50
35819-1	0.0394	EA	50
35819	0.0739	EA	50
35820	0.0522	EA	50
35821	0.0670	EA	50
35824	0.0414	EA	50
35825-1	0.0451	EA	50
35825	0.0418	EA	50
35826	0.0483	EA	50
35827-1	0.0613	EA	50
35827	0.0549	EA	50
35828	0.0686	EA	50
35830	0.0761	EA	50
35845-1	0.5701	EA	25
35845	0.2441	EA	25
35846	0.6703	EA	25
35848	0.7373	EA	25
35870	0.0139	EA	100
35872	0.0155	EA	100
35873	0.0173	EA	100
35875	0.0181	EA	100
35877	0.0198	EA	100
35878	0.0225	EA	100
35879	0.0243	EA	100
3588	0.2039	EA	50
35880	0.0232	EA	100
35881	0.0255	EA	100
35882	0.0294	EA	100
35883	0.0635	EA	100
35884	0.0471	EA	50
35886	0.0430	EA	100
35887	0.0471	EA	100
35888	0.0493	EA	100
35890	0.0198	EA	100
35891	0.0232	EA	100
35892	0.0255	EA	100
35893	0.0294	EA	100
35895	0.0471	EA	50
35898	0.0283	EA	100
359	4.3480	EA	5
35901	0.0152	EA	100
35902	0.0139	EA	100
35903	0.0161	EA	100
35910	0.0148	EA	100
35911	0.0148	EA	100
35912	0.0187	EA	100
35913	0.0222	EA	100
35914	0.0400	EA	100
35920	0.0261	EA	100
35921	0.0230	EA	100
35922	0.0230	EA	100
35923	0.0243	EA	100
35924	0.0256	EA	100
35926	0.1308	EA	100
35928	0.0743	EA	50
35933	0.0265	EA	100
35934	0.0522	EA	100
35935	0.0391	EA	50
35937	0.1495	EA	50
35938	0.0635	EA	50
35942	0.0435	EA	100
35943	0.0513	EA	50
35945	0.0691	EA	50
35947	0.0900	EA	50
35948	0.0530	EA	50
35999	0.1701	EA	250
36	0.6560	EA	10
360	7.0920	EA	5
36000	0.3508	EA	100
360000	0.0661	EA	250
360001	0.0661	EA	250
360002	0.0495	EA	250
360003	0.0404	EA	100
360004	0.0769	EA	100
360005	0.0643	EA	100
360006	0.1043	EA	50
360007	0.1139	EA	50
360008	0.1356	EA	25
360009	0.1982	EA	25
36001	0.3484	EA	100
360010	0.3081	EA	10
360011	0.3885	EA	10
360012	0.5537	EA	10
36002	0.3557	EA	100
36003	0.3552	EA	100
36004	0.3650	EA	100
36005	0.3764	EA	100
36006	0.3933	EA	100
36007	0.4135	EA	100
36008	0.4304	EA	100
36009	0.4378	EA	100
36010	0.4711	EA	100
36011	0.4953	EA	100
36012-1	0.5755	EA	50
36012	0.5408	EA	50
36013	0.6353	EA	50
36014	0.6754	EA	50
36025	0.3916	EA	100
36026	0.3875	EA	100
36027	0.3971	EA	100
36028	0.3988	EA	100
36029	0.4654	EA	100
36030	0.4831	EA	100
36031	0.4921	EA	100
36032	0.4924	EA	100
36033	0.5122	EA	100
36034	0.5374	EA	100
36035	0.5571	EA	100
36036	0.6150	EA	100
36037	0.6584	EA	50
36038	0.7335	EA	50
36039	0.8160	EA	50
36040-1	1.1412	EA	50
36040	1.1212	EA	50
36042	1.2757	EA	50
36050	0.4279	EA	100
36051	0.4239	EA	100
36052	0.4370	EA	100
36053	0.4382	EA	100
36054	0.4581	EA	100
36055	0.4817	EA	100
36056	0.5172	EA	100
36057	0.5413	EA	100
36058	0.5715	EA	50
36059	0.5811	EA	50
36060	0.6286	EA	50
36061	0.6478	EA	50
36062	0.6732	EA	50
36063	0.7199	EA	50
36064	0.8118	EA	50
36065	0.8590	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
36066	0.9535	EA	25
36067	0.9921	EA	25
36068	1.2074	EA	25
36069	1.3297	EA	25
36070	1.4800	EA	25
36071	2.6446	EA	25
36072	2.9180	EA	25
36077	0.5298	EA	50
36079	0.5484	EA	50
36080	0.5806	EA	50
36081	0.6180	EA	50
36082	0.6617	EA	50
36083	0.7123	EA	50
36084	0.7426	EA	50
36085	0.7805	EA	50
36086	0.8119	EA	25
36087	0.8561	EA	25
36088	0.9821	EA	25
36089	0.9471	EA	25
36091	1.0811	EA	25
36092	1.2171	EA	25
36093	1.4471	EA	25
36094	1.5639	EA	25
36095	1.7893	EA	25
36097	3.1995	EA	25
36098	3.4785	EA	10
36102	0.6971	EA	50
36104	0.7142	EA	50
36105	0.7268	EA	50
36106	0.7330	EA	50
36107	0.8164	EA	50
36108	0.8563	EA	50
36109	0.9167	EA	25
36110	0.9684	EA	25
36111	1.0090	EA	25
36112	1.0641	EA	25
36113	1.1506	EA	25
36114	1.1895	EA	25
36115	1.2210	EA	25
36116	1.3501	EA	25
36117	1.4183	EA	25
36118	1.5280	EA	25
36119	1.7972	EA	25
36120	2.2958	EA	25
36121	3.3099	EA	10
36122	4.0744	EA	10
36123	4.3709	EA	10
36124	4.4550	EA	10
36129	0.9686	EA	25
36130	0.9789	EA	25
36131	1.0624	EA	25
36132	1.1011	EA	25
36133	1.1959	EA	25
36134	1.2461	EA	25
36135	1.3963	EA	10
36137	1.4798	EA	10
36139	1.5645	EA	10
36141	1.6879	EA	10
36142	1.7659	EA	10
36143-1	2.4860	EA	10
36143	1.9778	EA	10
36144	2.5566	EA	10
36145	1.0429	EA	25
36146	1.1533	EA	25
36147	1.2260	EA	25
36148	1.2883	EA	25
36149	1.3368	EA	25
36150	1.4329	EA	25
36151	1.5205	EA	25
36152	1.5766	EA	25
36153	1.6096	EA	25
36154	1.5836	EA	25
36155	1.6915	EA	25
36156	1.7226	EA	25
36157	1.9017	EA	25
36158	2.0308	EA	25
36159	2.1262	EA	25
36160	2.5820	EA	25
36161	2.6774	EA	25
36162	4.4462	EA	10
36163	4.9265	EA	10
36165	6.1912	EA	5
36166	6.8147	EA	5
36167	7.4998	EA	5
36170	1.5311	EA	25
36171	1.5887	EA	25
36172	1.7981	EA	25
36173	1.8652	EA	25
36174	2.0096	EA	25
36175	2.0626	EA	25
36176	2.1898	EA	25
36177	2.1984	EA	25
36178	2.1412	EA	25
36179	2.1949	EA	25
36180	2.2472	EA	10
36181	2.5016	EA	10
36182	2.5970	EA	10
36183	2.9044	EA	10
36184	3.2012	EA	10
36185	5.8435	EA	10
36186	6.7752	EA	5
36187	7.7061	EA	5
36188	8.1543	EA	5
36189	8.8177	EA	5
36190	9.6696	EA	2
36191	11.2376	EA	2
36192	46.6073	EA	2
36193	2.2566	EA	10
36194	2.3108	EA	10
36195	2.4639	EA	10
36196	2.7666	EA	10
36197	2.8384	EA	10
36198	3.2012	EA	10
36200	3.5828	EA	10
36201	3.6037	EA	10
36202	3.7736	EA	10
36203	4.0704	EA	10
36204	4.2824	EA	10
36205	5.0350	EA	10
36206	8.1180	EA	5
36207	9.3749	EA	2
36208	10.4389	EA	2
36209	11.5107	EA	2
36211	13.1307	EA	2
36212	14.7389	EA	2
36214	3.5510	EA	10
36215	3.7948	EA	10
36217	4.4626	EA	10
36219	4.8336	EA	10
36221	5.3106	EA	10
36222	5.4060	EA	10
36223	6.2752	EA	10
36224	6.6992	EA	10
36225	7.5790	EA	10
36226	12.1864	EA	2
36227	13.0501	EA	2
36228	13.8369	EA	2
36229	15.0263	EA	2
36231	20.5607	EA	2
36232	23.0176	EA	2
36233-12	56.9449	EA	2
36234	8.1022	EA	5
36235	9.3037	EA	5
36236	10.5297	EA	5
36238	11.9422	EA	5
36239	14.2415	EA	5
36243	12.6005	EA	5
36245	14.8409	EA	2
36246	16.3600	EA	2
36247	18.1420	EA	2
36248	18.8049	EA	2
36249	20.6846	EA	2
36250	22.7100	EA	2
36251	24.6581	EA	2
36252	27.1410	EA	2
36265	74.0589	EA	1
36266	75.3241	EA	1
36267	76.0351	EA	1
36268	76.9877	EA	1
36300	0.3508	EA	100
36301	0.3484	EA	100
36302	0.3557	EA	100
36304	0.3650	EA	100
36305	0.3764	EA	100
36306	0.3933	EA	100
36307	0.4135	EA	100
36308	0.4304	EA	100
36309	0.4378	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
36310	0.4711	EA	100
36311	0.4953	EA	100
36312	0.5408	EA	50
36313	0.6353	EA	50
36314	0.6754	EA	50
36325	0.3916	EA	100
36327	0.3971	EA	100
36329	0.4654	EA	100
36330	0.4831	EA	100
36331	0.4921	EA	100
36332	0.4924	EA	100
36333	0.5122	EA	100
36334	0.5374	EA	100
36335	0.5571	EA	100
36336	0.6150	EA	100
36337	0.6584	EA	50
36339	0.8160	EA	50
36340-1	1.1412	EA	50
36340	1.1212	EA	50
36342	1.2757	EA	50
36350	0.4279	EA	100
36352	0.4370	EA	100
36353	0.4382	EA	100
36354	0.4581	EA	100
36355	0.4817	EA	100
36356	0.5172	EA	100
36357	0.5413	EA	100
36358	0.5715	EA	50
36359	0.5811	EA	50
36360	0.6286	EA	50
36361	0.6478	EA	50
36362	0.6732	EA	50
36363	0.7199	EA	50
36364	0.8118	EA	50
36366	0.9535	EA	25
36367	0.9921	EA	25
36368	1.2074	EA	25
36369	1.3297	EA	25
36370	1.4800	EA	25
36377	0.5298	EA	50
36379	0.5484	EA	50
36380	0.5806	EA	50
36381	0.6180	EA	50
36382	0.6617	EA	50
36383	0.7123	EA	50
36384	0.7426	EA	50
36385	0.7805	EA	50
36386	0.8119	EA	25
36387	0.8561	EA	25
36389	0.9471	EA	25
36391	1.0811	EA	25
36392	1.2171	EA	25
36393	1.4471	EA	25
36395	1.7893	EA	25
36402	0.6971	EA	50
36404	0.7142	EA	50
36405	0.7268	EA	50
36406	0.7330	EA	50
36407	0.8164	EA	50
36408	0.8563	EA	50
36409	0.9167	EA	25
36410	0.9684	EA	25
36411	1.0090	EA	25
36412	1.0641	EA	25
36413	1.1506	EA	25
36414	1.1895	EA	25
36416	1.3501	EA	25
36417	1.4183	EA	25
36418	1.5280	EA	25
36419	1.7972	EA	25
36420	2.2958	EA	25
36421	3.3099	EA	10
36422	4.0744	EA	10
36429	0.9686	EA	25
36430	0.9789	EA	25
36431	1.0624	EA	25
36432	1.1011	EA	25
36433	1.1959	EA	25
36434	1.2461	EA	25
36435	1.3963	EA	10
36437	1.4798	EA	10
36439	1.5645	EA	10
36441	1.6879	EA	10
36442	1.7659	EA	10
36443	1.9778	EA	10
36445	1.0429	EA	25
36446	1.1533	EA	25
36447	1.2260	EA	25
36448	1.2883	EA	25
36449	1.3368	EA	25
36450	1.4329	EA	25
36451	1.5205	EA	25
36452	1.5766	EA	25
36453	1.6096	EA	25
36454	1.5836	EA	25
36455	1.6915	EA	25
36456	1.7226	EA	25
36457	1.9017	EA	25
36458	2.0308	EA	25
36459	2.1262	EA	25
36460	2.5820	EA	25
36461	2.6774	EA	25
36462	4.4462	EA	10
36463	4.9265	EA	10
36464	5.5743	EA	10
36465	6.1912	EA	5
36470	1.5311	EA	25
36471	1.5887	EA	25
36472	1.7981	EA	25
36473	1.8652	EA	25
36474	2.0096	EA	25
36475	2.0626	EA	25
36476	2.1898	EA	25
36477	2.1984	EA	25
36478	2.1412	EA	25
36479	2.1949	EA	25
36480	2.2472	EA	10
36481	2.5016	EA	10
36482	2.5970	EA	10
36483	2.9004	EA	10
36484	3.2012	EA	10
36485	5.8435	EA	10
36486	6.7752	EA	5
36487	7.7061	EA	5
36488	8.1543	EA	5
36490	9.6696	EA	2
36491	11.2376	EA	2
36494	2.3108	EA	10
36496	3.1745	EA	10
36498	3.5847	EA	10
365	0.3239	EA	25
36500	4.3307	EA	10
36501	4.8139	EA	10
36502	5.3105	EA	10
36503	5.8031	EA	10
36504	6.3030	EA	10
36505	6.7240	EA	10
36507	9.3749	EA	2
36509	11.5107	EA	2
36511	13.1307	EA	2
36512	14.7389	EA	2
36514	3.5510	EA	10
36515	4.1224	EA	10
36517	4.5872	EA	10
36519	4.9184	EA	10
36521	5.3668	EA	10
36522	5.8208	EA	10
36523	6.2752	EA	10
36524	6.7300	EA	10
365240	35.5804	EA	1
36525	7.5790	EA	10
365250	35.5804	EA	1
36527	13.0501	EA	2
36528	13.8369	EA	2
36529	15.0263	EA	2
36531	20.5607	EA	2
36532	23.0176	EA	2
36560	0.1264	EA	100
36561	0.1503	EA	100
36562	0.1938	EA	100
36563	0.3071	EA	50
36564	0.3792	EA	50
36565	0.5475	EA	50
36566	0.7141	EA	50
36567	1.1743	EA	25
36568	1.6709	EA	25
36569	4.4613	EA	25
36575	0.1292	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
36576	0.1650	EA	100
36577	0.2024	EA	100
36578	0.3377	EA	50
36579	0.4172	EA	50
36580	0.5611	EA	50
36581	0.6555	EA	50
36582	1.1630	EA	25
36583	1.6709	EA	25
36584	4.4613	EA	25
36601	0.1377	EA	100
36602	0.1714	EA	100
36603	0.1925	EA	100
36604	0.2368	EA	50
36605	0.3500	EA	50
36606	0.5042	EA	50
36607	0.8075	EA	50
36608	1.1508	EA	25
36609	1.8751	EA	25
36610-11/2	11.4609	EA	10
36610-11/4	7.2035	EA	10
36610-11/8	5.6580	EA	10
36610-13/4	25.4074	EA	5
36610-2	30.9354	EA	5
36610	3.6714	EA	25
36611	0.1377	EA	100
36612	0.1714	EA	100
36613	0.1925	EA	100
36614	0.2368	EA	50
36615	0.3500	EA	50
36616	0.5042	EA	50
36617	0.8075	EA	50
36618	1.1508	EA	25
36619	1.8751	EA	25
3662	0.2207	EA	25
36620-11/2	11.4609	EA	10
36620-11/4	7.2035	EA	10
36620-11/8	5.6580	EA	10
36620-2	30.9354	EA	5
36620	3.6714	EA	25
366240	48.2877	EA	1
3663	0.2207	EA	25
3664	0.2389	EA	25
3665	0.2389	EA	25
36650	2.2764	EA	5
36651	2.8884	EA	5
36652	3.5682	EA	5
36653	0.2241	EA	50
36654	0.2691	EA	50
36655-1	0.3854	EA	25
36655	0.3036	EA	25
36656-1	0.5458	EA	25
36656-B	0.3987	EA	100
36656	0.4965	EA	25
36657-B	0.4639	EA	100
36657	0.2425	EA	25
36658-B	0.5916	EA	100
36658	0.3380	EA	25
36659-B	1.0266	EA	100
36659	1.2708	EA	25
3666	0.2759	EA	25
36660-B	1.3698	EA	100
36660	1.7967	EA	10
36661-1	3.0362	EA	10
36661-B	2.6398	EA	50
36661	2.9620	EA	10
36662-1	3.9266	EA	10
36662-B	3.1650	EA	50
36662	3.6464	EA	10
36663	6.2222	EA	5
36664	7.2338	EA	5
36665	2.1888	EA	5
36666	2.7773	EA	5
36667	3.4310	EA	5
36668-1	1.0621	EA	50
36668-2	0.3033	EA	50
36668	0.8856	EA	50
3667	0.2759	EA	25
36670	0.6027	EA	50
36671	0.9040	EA	50
36672-1	1.2560	EA	50
36672	0.4000	EA	100
36673	1.3075	EA	50
36674-1	1.2060	EA	25
36674-2	2.6076	EA	25
36674-3	4.3990	EA	5
36674-4	6.2222	EA	5
36674	1.8217	EA	25
36675	15.6000	EA	1
36676	17.8500	EA	1
36677	19.1000	EA	1
36678	23.2000	EA	1
36679-1	29.0000	EA	1
36679	33.2500	EA	1
36680	39.2500	EA	1
36681	45.3000	EA	1
36682	49.4500	EA	1
36683	58.1000	EA	1
36684	53.1500	EA	1
36685	59.5937	EA	1
36686	47.2548	EA	1
36687	51.6534	EA	1
36688-1	23.5000	EA	1
36688	20.0000	EA	1
36689-1	30.4000	EA	1
36689	28.0000	EA	1
36690-1	42.1000	EA	1
36690	41.2500	EA	1
36691N	44.3500	LG	1
36692N	48.8500	LG	1
36693	60.1000	EA	1
36694	78.9000	EA	1
36695	106.2999	EA	1
36696	119.1874	EA	1
36697	161.5542	EA	1
36698	15.5000	EA	1
36699	16.0000	EA	1
36700	18.0000	EA	1
36701-HD	0.1307	EA	125
36701	0.0050	EA	100
36702-HD	0.1517	EA	100
36702	0.0055	EA	100
36703-HD	0.1686	EA	75
36703	0.0060	EA	100
36704-HD	0.1869	EA	60
36704	0.3615	EA	50
36705-HD	0.3081	EA	25
36705	0.0085	EA	50
36706-HD	0.5848	EA	25
36706	0.3800	EA	25
36707-HD	0.6026	EA	15
36707	0.0098	EA	25
36708-HD	0.6980	EA	15
36708	0.0100	EA	25
36711-HD	0.1145	EA	500
36711	0.0295	EA	1000
36712-HD	0.1302	EA	500
36712	0.0433	EA	1000
36713-HD	0.1453	EA	300
36713	0.0704	EA	500
367137	2.4327	EA	5
36714-HD	0.1643	EA	300
36714	0.0785	EA	500
36715-HD	0.2771	EA	150
36715	0.1163	EA	200
36716-HD	0.5333	EA	125
36716	0.1931	EA	200
36717-HD	0.5537	EA	75
36717	0.2125	EA	150
36718-HD	0.5860	EA	75
36718	0.3795	EA	125
36719-HD	0.9764	EA	15
36719	0.4880	EA	80
36720-HD	1.2706	EA	15
36720	0.6167	EA	60
36721-HD	1.5578	EA	10
36721	0.9566	EA	50
36722-HD	1.8444	EA	10
36722	1.5687	EA	35
36724-HD	2.6397	EA	10
36724	1.7084	EA	25
36725	0.0657	EA	200
36726	0.1188	EA	200
36727	0.1500	EA	200
36728	0.2163	EA	200
36729	0.3249	EA	200
36730	0.4446	EA	100
36731	0.5670	EA	100
36732	0.7488	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
36733.....	1.1454	EA	50
36734.....	1.7706	EA	50
36735.....	2.4900	EA	25
36736.....	3.4791	EA	25
36738.....	5.8194	EA	10
36744-10.....	0.0622	EA	250
36744-6.....	0.0615	EA	250
36744-8.....	0.0621	EA	250
36745-1.....	0.5953	EA	25
36745-1/2.....	0.1155	EA	100
36745-1/4.....	0.0790	EA	100
36745-3/4.....	0.2354	EA	50
36745-3/8.....	0.0836	EA	100
36745-5/16.....	0.0808	EA	100
36745-5/8.....	0.1779	EA	50
36745-7/16.....	0.0911	EA	100
36745-7/8.....	0.3561	EA	50
36750.....	0.3720	EA	100
36751.....	0.3850	EA	100
36752.....	0.4200	EA	75
36753.....	0.4415	EA	50
36754.....	0.5050	EA	25
36755.....	0.5600	EA	25
36756.....	0.6225	EA	15
36757.....	0.9400	EA	10
36765.....	0.0315	EA	750
36766.....	0.0479	EA	500
36767.....	0.0722	EA	300
36768.....	0.0924	EA	250
36769.....	0.1165	EA	125
3677.....	0.0284	EA	50
36770.....	0.2154	EA	100
36771.....	0.2088	EA	75
36773.....	0.5310	EA	35
36774.....	0.8486	EA	30
36777.....	1.7597	EA	15
36780.....	0.1253	EA	100
36781.....	0.1491	EA	100
36782.....	0.1923	EA	100
36783.....	0.3046	EA	50
36784.....	0.3761	EA	50
36785.....	0.5431	EA	50
36786.....	0.7085	EA	50
36787.....	1.1650	EA	25
36788.....	1.5914	EA	25
36789.....	2.4928	EA	25
36790.....	8.6032	EA	10
36791.....	9.7941	EA	10
36792.....	12.6294	EA	10
36795.....	0.1282	EA	100
36796.....	0.1637	EA	100
36797.....	0.2008	EA	100
36798.....	0.3350	EA	50
36799.....	0.4139	EA	50
368.....	0.8095	EA	25
36800.....	0.5567	EA	50
36801.....	0.6503	EA	50
36802.....	1.1538	EA	25
36803.....	1.5914	EA	25
36804.....	2.4928	EA	25
36805.....	8.6032	EA	10
36806.....	9.7941	EA	10
36807.....	12.6294	EA	10
36811-1.....	0.1200	EA	25
36812-P.....	0.6510	EA	25
36812.....	0.1505	EA	25
36813-P.....	0.6611	EA	25
36813.....	0.1561	EA	25
36814-P.....	0.6853	EA	25
36814.....	0.1638	EA	25
36815.....	0.1845	EA	25
36816.....	0.2294	EA	25
36817-1.....	0.2869	EA	25
36817.....	0.2540	EA	25
36818-1.....	0.4579	EA	25
36818-2.....	0.5037	EA	25
36818.....	0.3159	EA	25
36819.....	0.5541	EA	25
36820.....	0.6095	EA	25
36821.....	0.1847	EA	25
36822.....	0.1797	EA	25
36823-1.....	0.2567	EA	25
36823.....	0.1990	EA	25
36824.....	0.2189	EA	25
36825.....	0.2699	EA	25
36826-1.....	0.3693	EA	25
36826.....	0.3159	EA	25
36827-1.....	0.4583	EA	25
36827-2.....	0.5333	EA	25
36827.....	0.4018	EA	25
36828.....	0.8671	EA	25
36831.....	0.2160	EA	25
36832.....	0.2262	EA	25
36833.....	0.2728	EA	25
36834.....	0.3057	EA	25
36835.....	0.3379	EA	25
36836.....	0.3713	EA	25
36837.....	0.3890	EA	25
36838.....	0.4087	EA	25
36839.....	0.4079	EA	25
36840.....	0.4521	EA	25
36842.....	0.6032	EA	25
36845.....	0.6163	EA	25
36846.....	0.4767	EA	25
36847.....	0.6941	EA	25
36848.....	0.5761	EA	25
36853.....	0.5922	EA	10
36854.....	0.6611	EA	10
36855.....	0.7310	EA	10
36856.....	0.8014	EA	10
36857.....	0.8704	EA	10
36858.....	0.9446	EA	10
36859.....	0.9010	EA	10
36860.....	1.0423	EA	10
36862.....	1.2713	EA	10
36863.....	0.1335	EA	25
36864-1.....	1.4910	EA	10
36864.....	1.1236	EA	10
36865.....	1.3356	EA	10
36866.....	1.4628	EA	10
36867.....	1.6112	EA	10
36868.....	1.6006	EA	10
36869-3.....	2.2260	EA	10
36869.....	1.9398	EA	10
36870-1.....	1.8762	EA	10
36870-2.....	2.1239	EA	10
36870-3.....	2.1518	EA	10
36870-4.....	2.5652	EA	10
36870-5.....	2.8726	EA	10
36870-6.....	2.3108	EA	10
36870.....	1.8868	EA	10
36871-1.....	0.1771	EA	25
36871-2.....	0.1575	EA	25
36871-3.....	0.1773	EA	25
36871-4.....	0.2011	EA	25
36871-5.....	0.2298	EA	25
36871-7.....	0.4163	EA	25
36871.....	0.1736	EA	25
36872-1.....	0.1760	EA	25
36872-2.....	0.1913	EA	25
36872-3.....	0.2105	EA	25
36872-4.....	0.3038	EA	25
36872-5.....	0.1820	EA	25
36872-6.....	0.2846	EA	25
36872-7.....	0.2779	EA	25
36873.....	0.2622	EA	25
36874.....	0.2937	EA	25
36875.....	0.3222	EA	25
36876.....	0.3570	EA	25
36878.....	0.6587	EA	10
36879.....	0.6254	EA	10
36880.....	0.8162	EA	10
36881.....	0.7705	EA	10
36882.....	0.8370	EA	10
36883.....	0.9081	EA	10
36885.....	0.1189	EA	100
36886.....	0.1234	EA	100
36887.....	0.1301	EA	100
36889.....	0.1327	EA	100
36890.....	0.1374	EA	100
36891.....	0.1869	EA	100
36892.....	0.1930	EA	100
36893.....	0.1568	EA	100
36894.....	0.1624	EA	100
36895.....	0.1583	EA	100
36896.....	0.1754	EA	100
36897.....	0.1811	EA	100
36899-5.....	0.1253	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
36899-6.....	0.1277	EA	100
369.....	0.3594	EA	25
36900-1.....	0.1346	EA	100
36900.....	0.1340	EA	100
36901.....	0.1382	EA	100
36902.....	0.0975	EA	100
36903-1.....	0.1036	EA	100
36903.....	0.1000	EA	100
36904.....	0.1090	EA	100
36905-5.....	0.1026	EA	100
36905.....	0.1234	EA	100
36906-1.....	0.1101	EA	100
36906.....	0.1053	EA	100
36907.....	0.1149	EA	100
36908-1.....	0.1529	EA	100
36908-2.....	0.1901	EA	100
36908-5.....	0.0987	EA	100
36908.....	0.1300	EA	100
36909-1.....	0.1048	EA	100
36909-P.....	0.8601	EA	25
36909.....	0.1012	EA	100
36910.....	0.1103	EA	100
36911.....	0.1247	EA	100
36912.....	0.1439	EA	100
36913.....	0.1790	EA	100
36915.....	7.1020	EA	1
36916.....	9.0206	EA	1
36917.....	11.1618	EA	1
36918.....	15.3594	EA	1
36919-1.....	22.7379	EA	1
36919.....	16.3452	EA	1
36920.....	21.3484	EA	1
36921.....	25.0902	EA	1
36922.....	30.7294	EA	1
36923.....	41.4142	EA	1
36925.....	55.9574	EA	1
36956.....	0.4961	EA	25
36957.....	0.4745	EA	25
36959.....	0.5088	EA	25
36965.....	0.5459	EA	25
36966.....	0.5792	EA	25
36967.....	0.5604	EA	25
36968.....	0.6125	EA	25
36969.....	0.7510	EA	15
36971.....	0.6444	EA	15
36976.....	0.6050	EA	25
36977.....	0.6858	EA	25
36978.....	0.7463	EA	25
36979.....	0.7510	EA	15
36980.....	0.7745	EA	15
36981.....	0.9007	EA	10
36986.....	0.8467	EA	10
36987.....	0.8594	EA	10
36989.....	0.8341	EA	10
36990.....	0.9120	EA	10
37.....	0.6980	EA	10
370.....	3.2000	EA	5
37000.....	0.2891	EA	75
37001.....	0.3029	EA	100
37002.....	0.3062	EA	75
37003.....	0.3412	EA	75
37004.....	0.3550	EA	75
37005.....	0.4344	EA	60
37006.....	0.4599	EA	60
37010.....	0.6186	EA	50
37011.....	0.5205	EA	50
37012.....	0.5535	EA	50
37013.....	0.5504	EA	50
37014.....	0.6215	EA	50
37015.....	0.6474	EA	50
37016.....	0.7006	EA	50
37017.....	0.7078	EA	50
37018.....	0.8107	EA	25
37019.....	0.8449	EA	30
3702.....	0.7935	EA	25
37021.....	0.7482	EA	50
37022.....	0.7642	EA	50
37023.....	0.7966	EA	25
37024.....	0.8811	EA	30
37025.....	0.9273	EA	40
37026.....	0.9910	EA	25
37027.....	0.9532	EA	25
37028.....	1.0909	EA	25
37029.....	1.2102	EA	25
3703.....	0.2960	EA	50
37030.....	1.1849	EA	25
37031.....	1.2368	EA	25
37032.....	1.3240	EA	25
37045.....	0.4238	EA	25
37046.....	0.5525	EA	25
37047.....	0.7871	EA	25
3707.....	0.2998	EA	50
370A.....	0.3594	EA	25
371.....	3.5680	EA	5
3710.....	0.4901	EA	25
37100.....	0.1351	EA	100
37101.....	0.1370	EA	100
37102.....	0.1377	EA	100
37103.....	0.1382	EA	100
37104.....	0.1445	EA	100
37105.....	0.1492	EA	100
37106.....	0.2215	EA	100
37107.....	0.2263	EA	100
37108.....	0.2284	EA	100
37109.....	0.2467	EA	100
3711.....	0.3274	EA	25
37110.....	0.2533	EA	100
37111.....	0.2576	EA	100
37112.....	0.2514	EA	100
37113.....	0.2623	EA	100
37114.....	0.2669	EA	100
37115.....	0.2940	EA	100
37116.....	0.2956	EA	100
37117.....	0.3214	EA	100
37118.....	0.5015	EA	50
37119.....	0.5387	EA	50
3712.....	0.3274	EA	25
37120.....	0.5767	EA	50
37125.....	0.0363	EA	100
37126.....	0.0665	EA	100
37127.....	0.0907	EA	100
37128.....	0.1695	EA	100
37130.....	0.0351	EA	100
37131.....	0.0378	EA	100
37132.....	0.0378	EA	100
37133.....	0.0474	EA	100
37134.....	0.0288	EA	100
372.....	8.1200	EA	5
3732.....	0.1309	EA	50
3733.....	0.2399	EA	50
3734.....	0.2117	EA	25
3735.....	0.2909	EA	25
3736.....	0.8396	EA	10
3737.....	0.4952	EA	25
374.....	10.7000	EA	5
37400.....	0.2662	EA	100
37401.....	0.3361	EA	100
37402.....	0.4257	EA	100
37403.....	0.4039	EA	50
37404.....	0.4589	EA	50
37405.....	0.6017	EA	50
37406.....	0.7101	EA	50
37407.....	0.7233	EA	50
37408.....	0.7861	EA	50
37409.....	1.0171	EA	50
37410.....	1.2537	EA	25
37411.....	1.3757	EA	25
37412.....	1.5517	EA	25
37413.....	1.5148	EA	25
37414.....	1.8259	EA	20
37415.....	2.3267	EA	20
37416.....	2.9486	EA	20
37417.....	0.3950	EA	50
37418.....	0.5222	EA	50
37419.....	0.6454	EA	25
37420.....	0.8881	EA	25
37421.....	1.1119	EA	25
37422.....	0.6751	EA	25
37423.....	1.5290	EA	10
37424.....	0.5112	EA	100
37425.....	1.6100	EA	100
37426.....	1.5800	EA	50
37427.....	1.7300	EA	50
37428.....	1.7000	EA	50
37429.....	2.1000	EA	50
37430.....	2.2400	EA	50
37431.....	2.8400	EA	25
37432.....	2.8200	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
37433	3.7800	EA	15
37434	4.5200	EA	15
37435	4.5800	EA	15
37436	5.6700	EA	10
37437	6.9000	EA	10
37438	8.3400	EA	10
37439	0.8300	EA	50
37440	1.0400	EA	25
37441	0.4250	EA	50
37442	0.7760	EA	25
37443	0.1754	EA	100
37444-1	2.3697	EA	1
37444	0.3612	EA	50
37445-1	3.8802	EA	1
37445	0.6784	EA	50
37446-1	5.6049	EA	1
37446	1.0441	EA	25
37447	0.1014	EA	100
37448	0.1162	EA	100
37449	0.1799	EA	100
3745	0.4519	EA	50
37450	0.2664	EA	100
37451	0.1298	EA	100
37452	0.1636	EA	100
37453	0.2345	EA	100
37454	0.2798	EA	100
37455	0.3359	EA	25
37456	0.4845	EA	25
37457	0.4908	EA	50
37458	0.6355	EA	50
37459	1.1599	EA	25
3746	0.0709	EA	100
37460	0.2887	EA	100
37461	0.4272	EA	100
37462	0.4787	EA	100
37463	0.5448	EA	100
37464	0.6578	EA	100
37466	1.6238	EA	25
37467	1.4725	EA	25
37469	2.3574	EA	50
3747	0.1665	EA	100
37470	3.7817	EA	25
37488	0.5000	EA	100
37489	0.8700	EA	100
37490	0.9000	EA	100
37491	2.5136	EA	100
37492	0.2092	EA	100
37497	7.8752	EA	1
3751	0.2338	EA	25
37511	0.0350	EA	200
37514	0.0443	EA	200
37517	0.0350	EA	200
37518	0.0402	EA	200
37519	0.0495	EA	200
37521	0.0574	EA	200
37523	0.0707	EA	200
37525	0.0797	EA	100
3753	0.4242	EA	25
37541	0.0522	EA	200
37542	0.0567	EA	200
37543	0.0663	EA	200
37545	0.0783	EA	200
37547	0.0907	EA	200
37548	0.1113	EA	100
3754883-X	1.0630	EA	10
37556	0.1120	EA	200
37558	0.1357	EA	200
37560	0.1487	EA	100
3757A	0.7791	EA	25
3758	0.2358	EA	100
3759	0.3692	EA	50
376	0.1040	EA	100
37689	0.5053	EA	25
3769	0.8268	EA	10
37690	0.5114	EA	25
37691	0.5690	EA	25
37692	0.5924	EA	25
37693	0.6174	EA	25
37694	0.6341	EA	25
37695	0.6647	EA	25
37696	0.7379	EA	25
37697	0.7468	EA	25
37698	0.7677	EA	25
37699	0.8303	EA	25
377	0.5801	EA	25
37700	0.6823	EA	25
37701	1.0375	EA	25
37702	0.7856	EA	25
37703	1.1334	EA	25
37704	1.1442	EA	25
37705	1.1526	EA	25
37706	1.2562	EA	25
37707	1.7090	EA	25
37708	0.8525	EA	25
37709	0.9659	EA	25
37710	1.2958	EA	25
37711	1.0516	EA	25
37712	1.0843	EA	25
37713	1.1921	EA	25
37714	1.4734	EA	25
37715	1.3674	EA	10
37716	1.6218	EA	10
37717	1.6760	EA	10
37718	2.8832	EA	10
37719	2.9468	EA	10
37720	2.9786	EA	10
37721	2.9998	EA	10
37722	7.4939	EA	5
37723	9.9313	EA	5
37777	0.9544	EA	25
37778	1.0890	EA	25
37779	1.0989	EA	25
3778	0.3709	EA	25
37780	1.4075	EA	25
37781	1.6500	EA	25
37782	1.9050	EA	25
37783	1.9725	EA	25
37784	2.1500	EA	25
37789	1.2584	EA	25
3779	0.3689	EA	25
37790	1.3616	EA	25
37791	1.5036	EA	25
37792	1.5450	EA	25
37794	1.7985	EA	10
37796	1.9517	EA	10
37797	2.3900	EA	10
3780	0.3689	EA	25
37800	1.8606	EA	25
37801	2.2548	EA	25
37802	2.4855	EA	25
3781	0.3689	EA	25
37810	3.0536	EA	25
37811	3.2184	EA	25
37812	3.2596	EA	25
37814	3.3043	EA	10
37817	9.7899	EA	10
3782	0.3689	EA	25
37821	0.0257	EA	100
37822	0.0273	EA	100
37832	0.0229	EA	50
37833	0.0188	EA	50
37834	0.0205	EA	50
37836	0.0235	EA	50
37837	0.0261	EA	50
37838	0.0436	EA	50
37839	0.0807	EA	50
3784	0.5383	EA	25
37840	0.0944	EA	50
37841	0.0191	EA	50
37842	0.0208	EA	50
37843	0.0223	EA	50
37845	0.0259	EA	50
37846	0.0297	EA	50
37847	0.0353	EA	50
37852	0.0259	EA	50
37853	0.0294	EA	50
37854	0.0351	EA	50
37855	0.0402	EA	50
37857	0.0463	EA	50
37859	0.0979	EA	50
3786	0.0140	EA	50
37860	0.1013	EA	50
37862	0.0248	EA	50
37863	0.0259	EA	50
37864	0.0276	EA	50
37865	0.0294	EA	50
37866	0.0351	EA	50
37873	0.0314	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
37874	0.0364	EA	50
37875	0.0418	EA	50
37877	0.0807	EA	50
37880	0.0368	EA	50
37881	0.0386	EA	50
37882	0.0449	EA	50
37883-13/4	0.1144	EA	50
37883	0.0517	EA	50
37884	0.0584	EA	50
37885	0.0667	EA	50
37887-21/2	0.1442	EA	50
37887	0.0761	EA	50
37888	0.1803	EA	50
379	0.0381	EA	100
37903	0.2232	EA	50
37906	0.0258	EA	50
37907	0.0268	EA	50
37909	0.0309	EA	50
3791-1151-	22.5836	EA	1
37911	0.0314	EA	50
37912	0.0268	EA	50
37914	0.0371	EA	50
37916	0.0428	EA	50
37921	0.0386	EA	50
37922	0.0417	EA	50
37923	0.0340	EA	50
37925	0.0531	EA	50
37927	0.0726	EA	50
37931	0.0598	EA	100
37932	0.0665	EA	50
37934	0.0592	EA	50
37944	0.0881	EA	25
3796	0.3661	EA	25
37A	0.4033	EA	25
38	0.9640	EA	10
380	0.4479	EA	25
3800	0.6089	EA	25
38000	0.0214	EA	50
38001	0.0381	EA	50
38002	0.0286	EA	50
38003	0.0338	EA	50
38004-11/2	0.0605	EA	50
38004	0.0807	EA	50
38005	0.0232	EA	50
38006	0.0429	EA	50
38007	0.0302	EA	50
38008	0.0495	EA	50
38009	0.0350	EA	50
38010	0.0408	EA	50
38011	0.0623	EA	50
38012-3/8	0.0940	EA	50
38012	0.0349	EA	50
38013	0.0532	EA	50
38014	0.0392	EA	50
38015	0.0462	EA	50
38016-2	0.1133	EA	50
38016	0.0612	EA	50
38017-1/4	0.0429	EA	50
38017	0.0464	EA	50
38018	0.0349	EA	50
38019	0.0567	EA	50
38020	0.0392	EA	50
38021	0.0462	EA	50
38022-2	0.1133	EA	50
38022-3	0.1442	EA	50
38022	0.0612	EA	50
38023	0.0385	EA	50
38024	0.0478	EA	50
38025	0.0635	EA	50
38026	0.0477	EA	50
38027	0.0807	EA	50
38028	0.0604	EA	50
38029	0.0685	EA	50
38030	0.1116	EA	50
38031-13/4	0.1460	EA	50
38031	0.0835	EA	50
38032-21/2	0.1666	EA	50
38032	0.1528	EA	50
380345-S	0.3110	EA	25
38040	0.1271	EA	50
38042	0.0361	EA	50
38043	0.0316	EA	50
38044	0.0034	EA	50
38048-11/2	0.1889	EA	100
38050	0.0464	EA	50
38051	0.0532	EA	50
38052	0.0412	EA	50
38053	0.0635	EA	50
38054	0.0488	EA	50
38055	0.0536	EA	50
38056	0.0903	EA	50
38057	0.1013	EA	50
38058	0.0584	EA	50
38059	0.0435	EA	50
38060	0.0670	EA	50
38061	0.0504	EA	50
38062	0.0586	EA	50
38063	0.1017	EA	50
38064	0.0750	EA	50
38065	0.0670	EA	50
38066	0.0502	EA	50
38067	0.0569	EA	50
38068	0.0666	EA	50
38069	0.1082	EA	50
38070	0.0762	EA	50
38071	0.0670	EA	50
38072	0.0502	EA	50
38073	0.0800	EA	50
38074	0.0569	EA	50
38075	0.0666	EA	50
38076	0.0767	EA	50
38077	0.0807	EA	50
38078	0.0553	EA	50
38079	0.0687	EA	50
38080	0.0783	EA	50
38081	0.0879	EA	50
38082	0.0719	EA	50
38083	0.0829	EA	50
38084	0.0940	EA	50
38085	0.0996	EA	50
38086	0.1052	EA	50
3811	0.3163	EA	25
3817	0.5552	EA	25
38208	0.0357	EA	100
38209	0.0730	EA	100
38210	0.0454	EA	100
38211	0.0535	EA	100
38212	0.0535	EA	100
38214	0.0778	EA	100
38215	0.0389	EA	100
38216	0.0454	EA	100
38217	0.0486	EA	100
38218	0.0552	EA	100
38219	0.0632	EA	100
38220	0.0730	EA	100
38221	0.0730	EA	100
38224	0.0681	EA	100
38225	0.0843	EA	200
38226-1	0.1102	EA	200
38226	0.0762	EA	200
38227	0.0957	EA	200
38229	0.0681	EA	100
38230	0.0762	EA	100
38231-X	0.0714	EA	1000
38231	0.0827	EA	100
38232	0.1443	EA	100
38233-X	0.0860	EA	500
38233	0.1313	EA	100
38234	0.1621	EA	100
38235	0.1508	EA	100
38237	0.1297	EA	100
38238	0.1135	EA	100
38239	0.1248	EA	100
38240	0.1589	EA	100
38241-X	0.1492	EA	250
38241	0.1800	EA	100
38243	0.1897	EA	100
38244	0.2189	EA	100
38246	0.1313	EA	100
38248	0.1670	EA	100
38250	0.2383	EA	100
38252	0.4119	EA	100
38253	0.3534	EA	100
38254	0.3243	EA	100
38259-11/2	0.3210	EA	500
38259	0.2707	EA	100
38260	0.3697	EA	100
38262	0.5724	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
38263.....	0.5237	EA	50
38265.....	0.8253	EA	50
38270.....	0.6096	EA	50
38272.....	0.8302	EA	50
38273.....	0.7507	EA	50
38275-21/2.....	3.2687	EA	25
38275-3.....	3.5459	EA	25
38275.....	1.0020	EA	50
38276.....	1.2841	EA	50
38277-2.....	2.2781	EA	25
38277-21/2.....	2.6494	EA	25
38277-3.....	2.9801	EA	25
38278-3X.....	1.0701	EA	250
38278-4.....	1.3295	EA	50
383.....	0.0352	EA	100
38302.....	0.0392	EA	50
38303.....	0.0412	EA	50
38305.....	0.0451	EA	50
38306.....	0.0735	EA	50
38307.....	0.0457	EA	50
38309.....	0.0497	EA	50
38310.....	0.0553	EA	50
38311.....	0.0558	EA	50
38312.....	0.0563	EA	50
38313.....	0.0494	EA	50
38314.....	0.0558	EA	50
38315.....	0.0621	EA	50
38316.....	0.0657	EA	50
38317.....	0.0695	EA	50
38327.....	0.0294	EA	50
38328.....	0.0305	EA	50
3833.....	0.2116	EA	50
38330.....	0.0336	EA	50
38331.....	0.0364	EA	50
38332.....	0.0340	EA	50
38333.....	0.0351	EA	50
38334.....	0.0365	EA	50
38335.....	0.0409	EA	50
38336-1.....	0.0445	EA	50
38336-2.....	0.0471	EA	50
38338-1.....	0.0391	EA	50
38338.....	0.0368	EA	50
38339.....	0.0410	EA	50
3834.....	0.1518	EA	50
38340-1.....	0.0502	EA	50
38340-2.....	0.0540	EA	50
38340-3.....	0.0632	EA	50
38340.....	0.0457	EA	50
38342-1.....	0.0568	EA	50
38342-2.....	0.0587	EA	50
38342-3.....	0.0643	EA	50
38342.....	0.0531	EA	50
38344-1.....	0.0606	EA	50
38355.....	0.0510	EA	50
38356.....	0.0658	EA	50
38360.....	0.0631	EA	50
38362.....	0.0836	EA	50
38363.....	0.0872	EA	50
38370.....	0.1900	EA	100
38371.....	0.2010	EA	50
38372.....	0.5240	EA	50
38373.....	1.8666	EA	25
38375.....	1.7278	EA	1
38376.....	2.8938	EA	1
38377.....	3.7736	EA	1
38378.....	15.3878	EA	1
38381.....	0.1661	EA	100
38382.....	0.1770	EA	100
38383.....	0.1953	EA	100
38384.....	0.2149	EA	100
38385.....	0.3036	EA	100
38386.....	0.4524	EA	100
38387.....	0.5987	EA	100
38401.....	0.6401	EA	25
38402.....	0.7850	EA	25
38403.....	0.9944	EA	25
38406.....	0.9993	EA	25
38407.....	1.0324	EA	25
38408.....	1.3937	EA	10
38409.....	1.4940	EA	10
3841.....	0.0649	EA	50
38411-1.....	0.7861	EA	10
38411.....	1.7490	EA	10
38412.....	1.9186	EA	10
38413.....	2.2896	EA	5
38414.....	2.2873	EA	5
38417.....	3.2012	EA	10
38418.....	3.4768	EA	5
38419.....	3.8690	EA	5
38423.....	3.0683	EA	5
38424.....	5.4696	EA	5
38425.....	6.6356	EA	5
38442.....	5.6011	EA	10
38444.....	6.3791	EA	10
38445.....	6.9236	EA	10
38446.....	5.9123	EA	10
38448.....	6.5346	EA	10
38449.....	7.1570	EA	10
38452.....	0.7279	EA	50
38453.....	0.9964	EA	50
38454.....	1.2336	EA	25
38455.....	1.6430	EA	25
38456.....	2.4804	EA	25
38457.....	2.1624	EA	25
38458.....	2.4910	EA	10
38460.....	91.9232	EA	1
38461.....	0.1200	EA	100
38462.....	0.3397	EA	100
38463.....	0.0815	EA	100
38464-1.....	0.1250	EA	100
38464.....	0.4607	EA	100
38465.....	0.1430	EA	100
38466.....	0.1550	EA	100
38467.....	0.1625	EA	100
38468.....	0.5972	EA	100
38469-1.....	0.6954	EA	100
38469.....	0.1610	EA	100
38470.....	0.0700	EA	100
38471.....	0.0750	EA	100
38472.....	0.3020	EA	100
38473-1.....	0.4984	EA	100
38473.....	0.3585	EA	100
38474.....	0.3829	EA	100
38475.....	0.1060	EA	100
38476.....	0.1135	EA	100
38477.....	0.5150	EA	100
38478.....	0.6128	EA	100
38479.....	0.6780	EA	100
38482.....	8.7556	EA	2
38484.....	9.9640	EA	2
38485.....	10.3880	EA	2
38486.....	10.5364	EA	2
38488.....	10.8438	EA	2
38489.....	10.9710	EA	2
38490.....	1.3684	EA	100
38491.....	1.4677	EA	50
38492.....	1.8696	EA	50
38494.....	2.8853	EA	25
385.....	9.7733	EA	3
38501-X.....	1.2106	EA	25
38501.....	1.0925	EA	100
38502-X.....	1.3911	EA	25
38502.....	1.1608	EA	100
38503-X.....	1.4355	EA	25
38503.....	1.2797	EA	100
38505-X.....	1.3087	EA	25
38505.....	1.1616	EA	100
38506-X.....	1.5283	EA	25
38506.....	1.5370	EA	100
38508-X.....	1.5322	EA	25
38508.....	1.5344	EA	100
38509-X.....	1.9404	EA	25
38509.....	1.9504	EA	100
38510-X.....	1.9626	EA	10
38510.....	2.0246	EA	50
38511-X.....	2.7303	EA	10
38511.....	2.7136	EA	50
38512-X.....	2.9021	EA	10
38512.....	2.7990	EA	50
38514-X.....	2.1833	EA	10
38514.....	2.1518	EA	50
38515-X.....	2.4540	EA	10
38515.....	2.3850	EA	50
38516-X.....	3.4551	EA	5
38516.....	3.0528	EA	25
38517-X.....	3.6014	EA	5
38517.....	3.6358	EA	25
38519-X.....	4.1601	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
38519	4.1234	EA	25
38520-1	4.1276	EA	20
38520-X	4.9284	EA	10
38520	5.3000	EA	25
38522	5.6498	EA	15
38525-X	5.5121	EA	5
38525	5.6180	EA	18
38526-X	7.0233	EA	5
38526	6.3070	EA	12
38527-X	6.8713	EA	5
38527	6.8688	EA	12
38530	0.1683	EA	200
38531	0.1438	EA	200
38532	0.1262	EA	100
38537	0.4671	EA	100
38538	0.4868	EA	100
38539	0.4626	EA	100
3854	0.1462	EA	25
38540	0.5403	EA	100
38541	0.8433	EA	50
38542	0.9269	EA	50
38544	0.7414	EA	100
38545	0.2500	EA	100
38546	0.4400	EA	100
38550	0.6447	EA	100
38551	0.7500	EA	100
38552	0.9956	EA	50
38553	1.3104	EA	25
38556	0.3755	EA	100
38557	0.4204	EA	100
38558	0.4698	EA	100
38559	0.1825	EA	100
38560	0.2800	EA	50
38561	0.2310	EA	50
38562-1	0.6000	EA	25
38562-2	1.2852	EA	25
38562	0.4500	EA	50
38563	1.2056	EA	25
38564	1.8000	EA	25
38566	0.2117	EA	100
38567	0.1840	EA	50
38568	0.2630	EA	50
38569	0.2850	EA	50
3857	0.1369	EA	50
38570	0.6280	EA	25
38577	0.1305	EA	100
38578	0.1713	EA	100
38579	0.2160	EA	100
38580	0.1972	EA	100
38581	0.1568	EA	100
386	9.7067	EA	3
38601	0.1559	EA	100
38602	0.2131	EA	100
38603-1	0.5554	EA	50
38603	0.2314	EA	100
38604	0.6582	EA	50
38611	9.6178	EA	1
38620	3.2224	EA	5
38621	3.5404	EA	5
38622	4.0810	EA	5
38624	5.0138	EA	5
38626	7.8334	EA	5
38627	10.1548	EA	2
38628	13.5786	EA	2
38629	18.4228	EA	2
38630	0.6519	EA	25
38631	0.6985	EA	25
38632	0.7541	EA	25
38633	0.8161	EA	25
38634	0.1847	EA	25
38635	0.5339	EA	25
38636	1.2017	EA	25
38641	1.6391	EA	25
38651-1	3.0087	EA	10
38651	3.1482	EA	10
38652-1	4.6324	EA	5
38652-2	4.7760	EA	5
38652	3.7206	EA	10
38653-1	4.1070	EA	10
38653	3.9856	EA	10
38654-1	4.7552	EA	5
38654-2	5.5633	EA	5
38654	4.6640	EA	10
38655-1	4.2821	EA	10
38655	4.4202	EA	10
38656-1	5.4325	EA	5
38656	5.3530	EA	10
38657-1	6.7580	EA	5
38657-2	4.6009	EA	10
38657	6.3070	EA	10
38658-1	5.9844	EA	10
38658	6.2116	EA	10
38659-1	8.2680	EA	5
38659	6.0987	EA	10
38660-1	11.6286	EA	5
38660-2	12.1918	EA	5
38663	10.2820	EA	5
38664	11.5964	EA	5
38665	18.2320	EA	1
38666	17.3747	EA	1
38668	14.2252	EA	5
38669	13.4683	EA	5
38695	0.0781	EA	25
38696	0.1310	EA	25
38697	0.2902	EA	25
38706	0.0191	EA	50
38707	0.0237	EA	50
38709	0.0278	EA	50
38711	0.0299	EA	50
38718	0.0247	EA	50
38719	0.0289	EA	50
38721	0.0335	EA	50
38723	0.0340	EA	50
38724	0.0407	EA	50
38727	0.0345	EA	50
38729	0.0366	EA	50
38731	0.0438	EA	50
38732	0.0448	EA	50
38733	0.0484	EA	50
38736	0.0443	EA	50
38738	0.0469	EA	50
38740	0.0551	EA	50
38741	0.0613	EA	50
38742	0.0680	EA	50
3875	0.1094	EA	50
38750-1	0.4034	EA	5
38750	0.8374	EA	5
38751-1	0.4034	EA	5
38751	0.8421	EA	5
38752-1	0.2076	EA	1
38752	0.8909	EA	10
38753-1	0.3925	EA	5
38753	0.9074	EA	5
38754-1	0.4436	EA	5
38754	0.9547	EA	5
38755-1	0.3294	EA	10
38755	0.9170	EA	10
38756-1	0.4781	EA	5
38756	1.1024	EA	5
38757-1	0.5122	EA	5
38757	1.0829	EA	5
38758-1	0.5298	EA	5
38758	1.1978	EA	5
38759-1	0.4418	EA	5
38759	1.4204	EA	5
38760	1.2430	EA	10
38761-1	0.4995	EA	5
38761	1.4310	EA	5
38762	1.2951	EA	10
38763-1	0.5193	EA	5
38763	1.2208	EA	5
38764-1	0.5794	EA	5
38764	1.6006	EA	5
38765-1	0.6365	EA	5
38765	1.6006	EA	5
38766-1	0.6865	EA	5
38766	1.7596	EA	5
38767	1.5385	EA	10
38768-1	0.9297	EA	2
38768	1.9398	EA	2
38769-1	0.9712	EA	2
38769	2.0352	EA	2
38770-1	1.0490	EA	2
38770	2.1412	EA	2
38771-1	1.0997	EA	2
38771	1.9610	EA	2
38772-1	1.2444	EA	2
38772	2.0988	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
38773-1.....	1.3613	EA	2
38773.....	2.3108	EA	2
38774-1.....	1.4071	EA	2
38774.....	2.5016	EA	2
38775-1.....	1.4130	EA	2
38775.....	5.1516	EA	2
38776-1.....	1.5007	EA	2
38776.....	5.5438	EA	2
38777-1.....	1.5809	EA	2
38777.....	6.0632	EA	2
38778-1.....	1.7439	EA	2
38778.....	6.3918	EA	2
38779.....	8.3834	EA	2
38780.....	9.2179	EA	2
38781.....	7.7080	EA	2
38825.....	0.8202	EA	10
38827.....	0.7041	EA	10
38829.....	1.0818	EA	10
38830.....	1.1829	EA	10
38835.....	1.5661	EA	10
38838.....	1.6657	EA	10
38839.....	1.7344	EA	10
38844.....	2.0352	EA	10
38845.....	1.8821	EA	10
38847.....	1.9542	EA	10
38848.....	1.9851	EA	10
38849.....	2.0812	EA	10
38851.....	2.2598	EA	10
38868.....	0.1472	EA	50
38869.....	0.2580	EA	50
38870-1.....	0.6548	EA	50
38870.....	0.2183	EA	50
38871.....	0.5170	EA	50
38872.....	0.3070	EA	50
38873.....	0.3682	EA	50
38874.....	0.3682	EA	50
38875.....	0.4509	EA	50
38876.....	0.5556	EA	50
38877.....	0.5942	EA	50
38878-1.....	1.7418	EA	50
38879-1.....	0.5788	EA	25
38879.....	0.7981	EA	50
38880.....	0.7485	EA	50
38890.....	0.2347	EA	100
38891.....	0.2672	EA	100
38892.....	0.3479	EA	100
38893-1.....	0.4314	EA	50
38893.....	0.4129	EA	50
38894.....	1.5984	EA	50
38895.....	0.6109	EA	50
38896.....	1.2127	EA	25
38897-1.....	9.1422	EA	10
389.....	27.6067	EA	3
38901.....	18.4300	EA	1
38903.....	20.0553	EA	1
38910.....	20.8278	EA	1
38914.....	47.2241	EA	1
38922.....	37.4286	EA	1
389A.....	0.3478	EA	25
38A.....	0.4260	EA	25
39.....	0.9220	EA	10
390.....	0.3478	EA	25
39000.....	0.5595	EA	100
39001.....	0.5652	EA	100
39002.....	0.5667	EA	100
39003.....	0.5674	EA	100
39004.....	0.0140	EA	100
39005.....	0.5870	EA	100
39006.....	0.0175	EA	100
39007.....	0.6500	EA	100
39008.....	0.0213	EA	100
39009.....	0.7070	EA	100
39010.....	0.0250	EA	100
39011.....	0.7502	EA	100
39012.....	0.0335	EA	50
39013.....	0.8795	EA	50
39014.....	0.9800	EA	50
39015.....	1.5623	EA	50
39025.....	0.4970	EA	100
39026.....	0.5023	EA	100
39027.....	0.5175	EA	100
39028.....	0.5225	EA	100
39029.....	0.0257	EA	100
39030.....	0.5538	EA	100
39031.....	0.0328	EA	100
39032.....	0.6025	EA	100
39033.....	0.0350	EA	100
39034.....	0.7410	EA	100
39035.....	0.0464	EA	100
39036.....	0.7980	EA	100
39037.....	0.0500	EA	50
39038.....	0.8500	EA	50
39039.....	0.8870	EA	50
39040-1.....	1.0229	EA	50
39040.....	1.0054	EA	50
39042.....	1.2515	EA	50
39050.....	0.5320	EA	100
39052.....	0.5400	EA	100
39053.....	0.5689	EA	100
39054.....	0.0354	EA	100
39055.....	0.0363	EA	100
39056.....	0.0429	EA	100
39057.....	0.6500	EA	100
39058.....	0.0450	EA	50
39059.....	0.7410	EA	50
39060.....	0.0519	EA	50
39061.....	0.8000	EA	50
39062.....	0.0646	EA	50
39063.....	0.8800	EA	50
39064.....	0.0700	EA	50
39066.....	1.0912	EA	25
39067.....	1.2904	EA	25
39068.....	1.3492	EA	25
39069.....	1.5595	EA	25
39070.....	1.6144	EA	25
39071.....	5.2865	EA	10
39072.....	5.5168	EA	10
39074.....	5.5750	EA	10
39077.....	0.5890	EA	50
39079.....	0.6217	EA	50
39080.....	0.6571	EA	50
39081.....	0.7048	EA	50
39082.....	0.7426	EA	50
39083.....	0.7669	EA	50
39084.....	0.8041	EA	50
39085.....	0.8431	EA	50
39086.....	0.8821	EA	25
39087.....	0.9325	EA	25
39089.....	1.1197	EA	25
39091.....	1.2292	EA	25
39092.....	1.4377	EA	25
39093.....	1.4888	EA	25
39095.....	2.0098	EA	25
39102.....	0.7315	EA	50
39104.....	0.0519	EA	50
39105.....	0.0633	EA	50
39106.....	0.0717	EA	50
39107.....	0.9330	EA	50
39108.....	0.1200	EA	50
39109.....	1.0050	EA	25
39110.....	0.1327	EA	25
39111.....	1.1225	EA	25
39112.....	0.2950	EA	25
39113.....	1.3325	EA	25
39114.....	0.1538	EA	25
39116.....	0.1648	EA	25
39117.....	1.6138	EA	25
39118.....	1.7209	EA	25
39119.....	2.2558	EA	25
39120.....	2.3794	EA	25
39121.....	6.8008	EA	10
39122.....	6.8508	EA	10
39123.....	6.9500	EA	10
39124.....	7.6550	EA	10
39129.....	1.0963	EA	25
39130.....	1.1425	EA	25
39131.....	1.1812	EA	25
39132.....	1.2736	EA	25
39133.....	1.3558	EA	25
39135.....	1.4749	EA	10
39137.....	1.6198	EA	10
39139.....	1.7998	EA	10
39141.....	1.9975	EA	10
39143.....	2.3182	EA	10
39145.....	0.1013	EA	25
39146.....	1.2900	EA	25
39147.....	0.1560	EA	25
39148.....	1.5500	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
39149	0.1568	EA	25
39150	1.7415	EA	25
39151	0.2435	EA	25
39152	1.9600	EA	25
39153	0.2952	EA	25
39154	2.0750	EA	25
39155	2.2410	EA	25
39157	2.3025	EA	25
39158	2.3990	EA	25
39159	2.4655	EA	25
39160	2.7317	EA	25
39161	2.9618	EA	25
39163	8.1016	EA	10
39165	15.1243	EA	5
39167	18.9626	EA	5
39168	22.8536	EA	5
39169-1	2.4950	EA	25
39169	0.1049	EA	25
39170	0.1772	EA	25
39171	2.5800	EA	25
39172	0.2043	EA	25
39173	2.6520	EA	25
39174	0.2259	EA	25
39175	2.7230	EA	25
39176	0.2350	EA	25
39177	2.8047	EA	25
39178	0.2479	EA	25
39180	0.2500	EA	10
39181	3.3482	EA	10
39182	3.4754	EA	10
39183	3.7934	EA	10
39184	4.0478	EA	10
39185	11.1788	EA	10
39186	12.7391	EA	5
39188	14.4020	EA	5
39190	18.1145	EA	2
39191	23.1914	EA	2
39193	4.3178	EA	10
39194	4.3846	EA	10
39196	4.7616	EA	10
39198	5.0160	EA	10
392	0.3892	EA	25
39200	5.2068	EA	10
39201	5.5566	EA	10
39202	5.9700	EA	10
39203	6.2562	EA	10
39204	6.6378	EA	10
39205	6.8922	EA	10
39207	17.6126	EA	2
39209	18.4619	EA	2
39211	23.7791	EA	2
39214	5.7474	EA	10
39216	6.1608	EA	10
39217	6.7014	EA	10
39219	6.9558	EA	10
3922	0.2278	EA	50
39221	7.4646	EA	10
39222	7.9098	EA	10
39223	8.4504	EA	10
39224	9.1500	EA	10
39225	9.6588	EA	10
39227	22.0541	EA	2
39229	27.1058	EA	2
39230	13.6883	EA	5
39231	16.3295	EA	5
39232	16.3457	EA	5
39233	19.5380	EA	5
39234	21.9965	EA	5
39235	24.5906	EA	5
39236	27.9825	EA	5
39237	31.3640	EA	5
39238	36.3884	EA	5
39240	16.7477	EA	5
39241	21.1157	EA	5
39242	21.3938	EA	5
39243	21.8228	EA	5
39244	24.0725	EA	2
39245	30.8183	EA	2
39246	32.6117	EA	2
39247	34.3388	EA	2
39248	39.8400	EA	2
39249	40.8461	EA	2
39250	41.1038	EA	2
39251	45.4775	EA	2
39252	47.6372	EA	2
39254	45.8552	EA	2
393	1.3038	EA	10
39300	0.3595	EA	100
39302	0.4027	EA	100
39304	0.4650	EA	100
39305	0.4870	EA	100
39306	0.5265	EA	100
39307	0.5500	EA	100
39308	0.5860	EA	100
39310	0.6190	EA	100
39312	0.6878	EA	50
39325	0.3970	EA	100
39327	0.4175	EA	100
39329	0.4350	EA	100
39330	0.4538	EA	100
39331	0.4760	EA	100
39332	0.5025	EA	100
39333	0.5900	EA	100
39334	0.6410	EA	100
39335	0.6775	EA	100
39336	0.6980	EA	100
39337	0.7292	EA	50
39339	0.7870	EA	50
39350	0.4320	EA	100
39352	0.4400	EA	100
39354	0.5015	EA	100
39355	0.5120	EA	100
39356	0.5390	EA	100
39357	0.5500	EA	100
39358	0.6350	EA	50
39359	0.6410	EA	50
39360	0.6780	EA	50
39361	0.7000	EA	50
39362	0.7515	EA	50
39364	0.8350	EA	50
39366	0.9912	EA	25
39367	1.1904	EA	25
39368	1.2492	EA	25
39377	0.4890	EA	50
39379	0.5217	EA	50
39380	0.5571	EA	50
39381	0.6048	EA	50
39382	0.6426	EA	50
39383	0.6669	EA	50
39384	0.7041	EA	50
39385	0.7431	EA	50
39386	0.7821	EA	25
39387	0.8325	EA	25
39389	1.0197	EA	25
39391	1.1292	EA	25
394	28.0200	EA	3
39404	0.7620	EA	50
39405	0.7925	EA	50
39406	0.8200	EA	50
39407	0.8330	EA	50
39408	0.8470	EA	50
39409	0.9050	EA	25
39410	0.9980	EA	25
39411	1.0225	EA	25
39412	1.1750	EA	25
39414	1.2972	EA	25
39416	1.4040	EA	25
39417	1.5138	EA	25
39418	1.6209	EA	25
39420	2.2794	EA	25
39429	0.9963	EA	25
39431	1.0812	EA	25
39433	1.5558	EA	25
39435	1.3749	EA	10
39437	1.5198	EA	10
39439	1.6998	EA	10
39441	1.8975	EA	10
39445	1.0950	EA	25
39446	1.1900	EA	25
39447	1.3650	EA	25
39448	1.4500	EA	25
39449	1.5780	EA	25
39450	1.6415	EA	25
39451	1.7330	EA	25
39452	1.8600	EA	25
39453	1.9485	EA	25
39455	2.1410	EA	25
39457	2.2025	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
39458.....	2.2990	EA	25
39459.....	2.3655	EA	25
39460.....	2.6317	EA	25
39461.....	2.8618	EA	25
39470.....	2.4515	EA	25
39472.....	2.5400	EA	25
39473.....	2.5520	EA	25
39474.....	2.5825	EA	25
39476.....	2.6500	EA	25
39478.....	2.7530	EA	25
39480.....	2.9815	EA	10
39481.....	3.2482	EA	10
39482.....	3.3754	EA	10
39484.....	3.9478	EA	10
39486.....	12.6391	EA	5
39494.....	4.2846	EA	10
39496.....	4.6616	EA	10
39498.....	4.9160	EA	10
394A.....	0.8306	EA	10
395.....	13.4600	EA	3
39500.....	5.1068	EA	10
39501.....	5.4566	EA	10
39502.....	5.8700	EA	10
39503.....	6.1562	EA	10
39505.....	6.7922	EA	10
39514.....	5.6474	EA	10
39517.....	6.6014	EA	10
39519.....	6.8558	EA	10
39521.....	7.3646	EA	10
39523.....	8.3504	EA	10
39525.....	9.5588	EA	10
39560.....	0.3450	EA	100
39562.....	0.3825	EA	100
39563.....	0.4100	EA	100
39564.....	0.4540	EA	50
39565.....	0.5810	EA	50
39566.....	0.7067	EA	50
39567.....	0.8215	EA	50
39568.....	1.1779	EA	25
39569.....	2.1246	EA	25
39570.....	2.3684	EA	25
39571.....	0.0786	EA	100
39572.....	0.1272	EA	100
39573.....	0.1584	EA	100
39574.....	0.3573	EA	50
39575.....	0.3714	EA	50
39576.....	0.5313	EA	50
39577.....	0.6315	EA	50
39578.....	1.1316	EA	25
39579.....	1.9641	EA	25
39580.....	2.8401	EA	25
39601.....	0.0149	EA	100
39602.....	0.0227	EA	100
39603.....	0.0289	EA	100
39604.....	0.3525	EA	50
39605.....	0.0745	EA	50
39606.....	0.6150	EA	50
39607.....	0.0893	EA	50
39608.....	0.1100	EA	25
39609.....	2.2848	EA	25
39610-11/4.....	4.9614	EA	10
39610-11/8.....	3.7131	EA	10
39610.....	4.0704	EA	25
39611.....	0.1050	EA	100
39612.....	0.1485	EA	100
39613.....	0.2262	EA	100
39614-X.....	0.3072	EA	50
39614.....	0.2874	EA	50
39615.....	0.4302	EA	50
39616.....	0.6150	EA	50
39617.....	0.9117	EA	50
39618.....	1.3707	EA	25
39619.....	2.2848	EA	25
39620-11/4.....	5.4129	EA	10
39620-11/8.....	5.3532	EA	10
39620.....	4.0704	EA	25
39621.....	0.1550	EA	100
39622.....	0.2115	EA	100
39623.....	0.2432	EA	100
39624.....	0.2675	EA	100
39625.....	0.3480	EA	100
39626.....	0.3500	EA	100
39627.....	0.4550	EA	100
39628.....	0.6274	EA	100
39629.....	1.0622	EA	100
39630.....	1.6033	EA	50
39631.....	10.3981	EA	50
39632.....	8.2680	EA	50
39633.....	18.1719	EA	25
39634.....	23.8078	EA	25
39635.....	0.0580	EA	100
39636.....	0.0739	EA	100
39637.....	0.1035	EA	100
39638.....	0.1399	EA	100
39639.....	0.2502	EA	100
39640.....	0.3597	EA	100
39641.....	0.4955	EA	100
39642.....	0.6226	EA	100
39643.....	1.0626	EA	100
39644.....	1.5497	EA	50
39645.....	7.6647	EA	50
39646.....	20.1049	EA	50
39647.....	24.1738	EA	25
39651.....	0.2388	EA	100
39652.....	0.2560	EA	100
39653.....	0.2852	EA	50
39654.....	0.3442	EA	50
39655.....	0.3915	EA	25
39656.....	0.7337	EA	25
39657.....	0.6829	EA	10
39658.....	0.8904	EA	10
39659.....	1.9822	EA	5
39660.....	2.1836	EA	5
39661.....	0.2749	EA	100
39662.....	0.3000	EA	100
39663.....	0.3453	EA	50
39664.....	0.4027	EA	50
39665.....	0.4333	EA	25
39666.....	0.7337	EA	25
39667.....	0.7349	EA	10
39668.....	0.9222	EA	10
39669.....	2.0246	EA	5
39670.....	2.2684	EA	5
39671.....	0.8976	EA	10
39672.....	0.3569	EA	10
39673.....	0.4459	EA	10
39674.....	0.8268	EA	10
39675.....	2.4175	EA	5
39676.....	2.8514	EA	5
39677.....	2.8514	EA	5
39678.....	3.4437	EA	5
39679.....	3.4437	EA	5
39680.....	3.6519	EA	5
39681.....	9.0503	EA	1
39682.....	2.6727	EA	5
39683.....	3.6519	EA	5
397.....	0.5041	EA	25
39701.....	0.0315	EA	200
39702.....	0.0466	EA	200
39703.....	0.0679	EA	200
39704.....	0.0870	EA	100
39705.....	0.1153	EA	100
39706.....	0.2002	EA	50
39707.....	0.2025	EA	50
39708.....	0.3461	EA	50
39709.....	0.4204	EA	20
39710.....	0.5322	EA	20
39711.....	0.9797	EA	20
39712.....	1.7084	EA	20
39725.....	0.0043	EA	100
39726.....	0.0087	EA	100
39727.....	0.0122	EA	100
39728.....	0.3725	EA	50
39729.....	0.0250	EA	50
39730.....	0.4200	EA	25
39731.....	0.0295	EA	25
39732.....	0.0325	EA	25
39733.....	0.7500	EA	10
39734.....	1.0200	EA	10
39735.....	1.0683	EA	10
39736.....	1.5150	EA	10
39750.....	0.0315	EA	200
39751.....	0.0466	EA	200
39752.....	0.0660	EA	200
39753.....	0.0844	EA	100
39754.....	0.1153	EA	100
39755.....	0.2002	EA	50
39756.....	0.1965	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
39757	0.3566	EA	50
39758	0.4204	EA	20
39759	0.5322	EA	20
39760	1.0546	EA	20
39761	1.2080	EA	20
398	15.1000	EA	3
39817-2500	0.0884	EA	2500
39817	0.1396	EA	250
39860	3.4669	EA	25
39861	3.7596	EA	25
39862	4.1867	EA	25
39863	4.9724	EA	10
39865	3.8054	EA	10
39866	5.4696	EA	5
39867	6.1268	EA	5
39868	7.8864	EA	5
39870	1.0388	EA	50
39871	1.3674	EA	50
39872	1.9080	EA	25
39873	2.1836	EA	25
39874	4.6428	EA	25
39875	4.5530	EA	25
39876	4.6913	EA	12
39877	9.1278	EA	6
39878	9.5705	EA	6
399	20.2267	EA	3
3990	0.4947	EA	25
399A	0.6236	EA	10
3L230-9801	5.1384	EA	1
3M26334	4.9730	EA	12
3M26336	6.9130	EA	6
3M26338	10.0850	EA	4
3M26340	13.6958	EA	4
4-404ATC-	3.0120	EA	12
4	0.5891	EA	25
40	2.1320	EA	10
400	0.2931	EA	25
40000	0.2044	EA	50
40001	0.2093	EA	50
40002	0.2170	EA	50
40003	0.2270	EA	50
40004	0.2409	EA	50
40005	0.1829	EA	50
40006	0.1846	EA	50
40007	0.1968	EA	50
40008	0.2114	EA	50
40009	0.2322	EA	50
40010	0.2969	EA	50
40011	0.2034	EA	50
40012	0.1999	EA	50
40013	0.2232	EA	50
40014	0.2601	EA	50
40015	0.3598	EA	25
40016	0.3929	EA	25
40017	0.2548	EA	25
40018	0.3171	EA	25
40019	0.3658	EA	25
40020	0.4711	EA	10
40021	0.5824	EA	10
40022	0.8435	EA	10
40050	0.2190	EA	25
40051	0.2300	EA	25
40052	0.2373	EA	25
40053	0.2482	EA	25
40054	0.3380	EA	25
40055	0.2665	EA	25
40056	0.2774	EA	25
40057	0.2884	EA	25
40058	0.6283	EA	25
40059	0.3140	EA	25
40060	0.2336	EA	25
40061	0.2409	EA	25
40062	0.2519	EA	25
40063	0.3691	EA	25
40064	0.2702	EA	25
40065	0.4428	EA	25
40066	0.4231	EA	25
40067	0.3067	EA	25
40068	0.3453	EA	25
40069	0.2409	EA	25
40070	0.2698	EA	25
40071	0.2555	EA	25
40072	0.2774	EA	25
40073	0.2866	EA	25
40074	0.3570	EA	25
40075	0.4837	EA	25
40076	0.3939	EA	25
40077	0.4016	EA	25
40078	0.4381	EA	25
40079	0.4746	EA	25
40080	0.4256	EA	25
40081	0.3213	EA	25
40082	0.4206	EA	25
40083	0.3541	EA	25
40084	0.3271	EA	25
40085	0.3651	EA	25
40086	0.4016	EA	25
40087	0.6312	EA	25
40088	0.7966	EA	25
40089	0.6097	EA	25
40090	0.9152	EA	25
40091	0.8396	EA	25
40092	0.4990	EA	25
40093	0.3833	EA	25
40094	0.3906	EA	25
40095	0.4519	EA	25
40096	0.4563	EA	25
40097	0.5863	EA	25
40098	0.5406	EA	25
40099	0.6352	EA	25
400EMT	7.3359	EA	10
401	22.8267	EA	3
40100	0.6790	EA	25
40101	0.8762	EA	25
40102	1.2164	EA	25
40103	1.0952	EA	25
40106	0.8396	EA	10
40107	0.9492	EA	10
40108	1.0587	EA	10
40109	1.5672	EA	10
40110	1.2047	EA	10
40112	1.3872	EA	10
40113	1.6793	EA	10
40114	0.9857	EA	10
40115	1.0222	EA	10
40116	1.0587	EA	10
40117	1.1317	EA	10
40118	1.2412	EA	10
40119	1.3142	EA	10
40120	1.4968	EA	10
40121	1.5698	EA	10
40122	1.6793	EA	10
40123	2.1539	EA	10
40124	2.3364	EA	10
40126	1.2412	EA	10
40127	2.0115	EA	10
40128	2.2119	EA	10
40129	1.6063	EA	10
40130	2.1568	EA	10
40131	2.4459	EA	10
40132	2.6391	EA	10
40133	4.6396	EA	10
40134	3.4681	EA	10
40135	3.7536	EA	10
40136	4.0157	EA	10
4016	0.3823	EA	25
40161	3.2966	EA	1
40162	3.4928	EA	1
40164	3.8478	EA	1
40165	5.1310	EA	1
40168	6.6000	EA	1
40171	10.2486	EA	1
40173	12.3384	EA	1
40180	0.0180	EA	100
40182	0.0183	EA	100
40183	0.0197	EA	100
40184	0.0982	EA	100
40186	0.0888	EA	100
40190	0.1128	EA	100
40191	0.0051	EA	100
40192	0.0642	EA	100
40193	0.0666	EA	100
40194	0.0794	EA	100
40195	0.2053	EA	100
40196	0.0200	EA	100
402	0.2801	EA	25
40200	0.0838	EA	100
40201	0.0848	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
40202.....	0.0888	EA	100
40203-1.....	0.0506	EA	100
40203.....	0.0039	EA	100
40204.....	0.1925	EA	1
40206.....	0.0049	EA	100
40208.....	0.0990	EA	100
40209-1.....	0.1821	EA	100
40209-2.....	0.2216	EA	100
40209.....	0.1596	EA	100
40210-1.....	0.2630	EA	100
40210-P.....	0.4859	EA	25
40210.....	0.0724	EA	50
40211-P.....	0.6868	EA	25
40211.....	0.0669	EA	50
40212-P.....	0.5361	EA	25
40212.....	0.0701	EA	50
40213-1.....	0.1118	EA	50
40213.....	0.0747	EA	50
40214-P.....	0.5640	EA	25
40214.....	0.0876	EA	50
40215-P.....	1.1863	EA	100
40215.....	0.0917	EA	50
40216-13/4.....	0.1115	EA	50
40216-2.....	0.1232	EA	50
40216-3.....	0.1948	EA	25
40216-4.....	0.2167	EA	25
40216-5.....	0.3244	EA	25
40216-6.....	0.3986	EA	25
40216-7.....	0.1266	EA	100
40216-9.....	0.0896	EA	50
40216.....	0.0966	EA	50
40217-1.....	0.0879	EA	50
40217.....	0.0766	EA	50
40218-1.....	0.1261	EA	50
40218.....	0.0845	EA	50
40219.....	0.0987	EA	50
40220.....	0.1173	EA	50
40221.....	0.1348	EA	50
40222.....	0.1617	EA	50
40223.....	0.1607	EA	50
40224.....	0.2749	EA	50
40225.....	0.2477	EA	25
40226.....	0.3901	EA	25
40227-1.....	0.1290	EA	50
40228-1.....	0.1141	EA	50
40228.....	0.1089	EA	100
40229-1.....	0.1297	EA	50
40229.....	0.1507	EA	100
40230-1.....	0.1388	EA	50
40231-1.....	0.1508	EA	50
40232-1.....	0.1700	EA	50
40233-1.....	0.1769	EA	50
40234-1.....	0.2980	EA	25
40235-1.....	0.3408	EA	25
40235-2.....	0.5056	EA	25
40235-4.....	0.5591	EA	10
40235-5.....	0.8480	EA	10
40236-1.....	0.1672	EA	100
40236.....	0.1572	EA	50
40237.....	0.1307	EA	50
40238.....	0.1461	EA	50
40239.....	0.1608	EA	50
40240.....	0.1760	EA	50
40241.....	0.1919	EA	50
40242.....	0.2802	EA	50
40243.....	0.2532	EA	50
40244.....	0.3140	EA	50
40246-1.....	0.4684	EA	25
40247-1.....	0.2654	EA	50
40247.....	0.2519	EA	50
40248.....	0.3042	EA	25
40249.....	0.3593	EA	25
40256.....	0.2844	EA	25
40257.....	0.3115	EA	25
40258.....	0.3389	EA	25
40259.....	0.3696	EA	25
4026.....	0.5262	EA	25
40260.....	0.3954	EA	25
40261.....	0.4432	EA	25
40262.....	0.4880	EA	25
40264.....	0.6290	EA	10
40265.....	0.5973	EA	25
40266.....	0.6604	EA	25
40267.....	0.5070	EA	25
40268.....	0.7725	EA	25
40269.....	0.8112	EA	25
40270.....	0.6795	EA	25
403.....	0.2801	EA	25
4030.....	2.3310	EA	5
40300.....	0.3069	EA	100
40301.....	0.0179	EA	100
40302.....	0.3166	EA	100
40303.....	0.0608	EA	100
40304.....	0.3272	EA	100
40305.....	0.0165	EA	100
40307.....	0.2377	EA	100
40308.....	0.2426	EA	100
40309.....	0.0638	EA	100
4031.....	1.0200	EA	5
40310.....	0.0669	EA	100
40311.....	0.0749	EA	100
40312.....	0.0670	EA	100
40313.....	0.0789	EA	100
40315.....	0.0864	EA	100
40316.....	0.1015	EA	100
40317.....	0.0667	EA	100
40318.....	0.0688	EA	100
40319.....	0.0714	EA	100
40320.....	0.0727	EA	100
40321.....	0.0745	EA	100
40323.....	0.0824	EA	100
40324.....	0.1031	EA	100
40325.....	0.1149	EA	100
40326.....	0.0776	EA	100
40327.....	0.0784	EA	100
40328.....	0.0794	EA	100
40329.....	0.0808	EA	100
4033.....	2.0709	EA	5
40330.....	0.0824	EA	100
40331-1.....	0.0850	EA	100
40332.....	0.0925	EA	100
40333.....	0.1048	EA	100
40334.....	0.1237	EA	100
40335.....	0.1289	EA	100
40336.....	0.1485	EA	100
40337.....	0.0784	EA	100
40338.....	0.0794	EA	100
40339.....	0.0800	EA	100
40340.....	0.0816	EA	100
40341.....	0.0866	EA	100
40342.....	0.0887	EA	100
40343.....	0.0958	EA	100
40344.....	0.1360	EA	100
40345.....	0.1308	EA	100
40346.....	0.1328	EA	100
40347.....	0.1733	EA	100
40348.....	0.0842	EA	100
40349.....	0.0861	EA	100
4035.....	1.1130	EA	5
40350.....	0.0867	EA	100
40351.....	0.0884	EA	100
40353.....	0.0961	EA	100
40354.....	0.1204	EA	100
40355.....	0.1313	EA	100
40356.....	0.1536	EA	100
40357.....	0.1843	EA	100
40358.....	0.2434	EA	100
40359.....	0.0861	EA	100
4036.....	1.3666	EA	5
40360.....	0.0866	EA	100
40361.....	0.0878	EA	100
40362.....	0.0895	EA	100
40363.....	0.0910	EA	100
40364.....	0.0973	EA	100
40365.....	0.1231	EA	100
40366.....	0.1343	EA	100
40367.....	0.1574	EA	100
40368.....	0.1886	EA	100
40369.....	0.2379	EA	100
4037.....	2.8169	EA	5
40370.....	0.2218	EA	100
40371.....	0.3582	EA	50
40372.....	0.4099	EA	50
40373.....	0.0926	EA	100
40374.....	0.0929	EA	100
40375.....	0.0958	EA	100
40376.....	0.0977	EA	100
40377.....	0.1047	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
40378.....	0.1341	EA	100
40379.....	0.1504	EA	100
40380.....	0.1794	EA	100
40381.....	0.2180	EA	100
40382.....	0.2518	EA	100
40383.....	0.3358	EA	100
40384.....	0.5017	EA	50
40385.....	0.5266	EA	50
40386.....	0.0832	EA	100
40387.....	0.0887	EA	100
40388.....	0.0872	EA	100
40389.....	0.1285	EA	100
40390.....	0.1075	EA	100
40391.....	0.1170	EA	100
40392.....	0.1411	EA	100
40393.....	0.1688	EA	100
40394.....	0.2053	EA	100
40395.....	0.3173	EA	100
40396.....	0.3545	EA	100
40397.....	0.5266	EA	50
40398.....	0.5370	EA	50
40399.....	0.6084	EA	50
404.....	58.2200	EA	1
40400.....	0.9273	EA	25
40401.....	0.2313	EA	100
40402.....	0.2303	EA	100
40403.....	0.2423	EA	100
40404.....	0.2990	EA	100
40405.....	0.2854	EA	100
40406.....	0.3159	EA	50
40407.....	0.3639	EA	50
40408.....	0.4282	EA	50
40409.....	0.5267	EA	50
40411.....	0.2913	EA	100
40413.....	0.2608	EA	100
40414.....	0.3208	EA	100
40415.....	0.3054	EA	100
40416-1.....	0.5139	EA	50
40417.....	0.4758	EA	50
40418.....	0.6143	EA	50
40419.....	0.7632	EA	50
40420.....	0.8586	EA	25
40421.....	0.8631	EA	25
40422-1.....	1.0653	EA	25
40423.....	1.1719	EA	25
40424.....	0.3537	EA	100
40425.....	0.3883	EA	50
40426.....	0.4138	EA	50
40428.....	0.5088	EA	50
40429.....	0.9919	EA	25
40430.....	0.9077	EA	25
40431.....	1.2741	EA	25
40432.....	1.2157	EA	25
40433.....	1.7425	EA	10
40434-1.....	1.9166	EA	10
40435.....	1.0877	EA	50
40436.....	0.9539	EA	50
40437.....	1.1318	EA	50
40438.....	1.4259	EA	25
40439.....	1.4973	EA	25
40440.....	1.6396	EA	10
40441.....	2.1200	EA	10
40442.....	2.4311	EA	10
40443.....	2.6099	EA	10
40444.....	3.1974	EA	10
40446.....	2.0775	EA	10
40447.....	2.2469	EA	10
40448.....	2.9982	EA	10
40449.....	3.8443	EA	10
4045.....	0.6034	EA	5
40452.....	2.9813	EA	10
40453-1.....	3.5600	EA	10
40454-1.....	5.4957	EA	10
40454-2.....	6.5990	EA	10
40454.....	4.6158	EA	10
40457-1.....	0.0610	EA	100
40457.....	0.0580	EA	100
40459.....	0.0055	EA	100
4046.....	0.7023	EA	5
40460.....	0.0933	EA	100
40461.....	0.0054	EA	100
40462-1.....	0.1421	EA	100
40463.....	0.0086	EA	100
40464.....	0.0943	EA	100
40465.....	0.0947	EA	100
40466-1.....	0.1026	EA	100
40467.....	0.0880	EA	100
40468.....	0.0901	EA	100
40469.....	0.1027	EA	100
4047.....	0.5997	EA	50
40470.....	0.0924	EA	100
40471.....	0.1007	EA	100
40472.....	0.1104	EA	100
40473.....	0.1377	EA	100
40474-1.....	0.2405	EA	100
40474.....	0.1932	EA	100
40475-1.....	0.0908	EA	100
40475.....	0.0901	EA	100
40476-1.....	0.0939	EA	100
40476.....	0.0921	EA	100
40477-1.....	0.1021	EA	100
40477.....	0.0909	EA	100
40478-1.....	0.1409	EA	100
40478.....	0.1378	EA	100
40479-1.....	0.2445	EA	100
40479.....	0.2242	EA	100
4048.....	0.7678	EA	50
40480-1.....	0.0969	EA	100
40480.....	0.0968	EA	100
40481-1.....	0.0972	EA	100
40481.....	0.1003	EA	100
40482-1.....	0.1591	EA	100
40482.....	0.1093	EA	100
40483-2.....	0.2583	EA	100
40483-3.....	0.2667	EA	100
40483-4.....	0.4775	EA	100
40483.....	0.1573	EA	100
40485-1.....	0.0772	EA	100
40485.....	0.0991	EA	100
40486-1.....	0.0946	EA	100
40486.....	0.0913	EA	100
40487-1.....	0.0887	EA	100
40487.....	0.1126	EA	100
40488-1.....	0.2152	EA	100
40488.....	0.1478	EA	100
40489-1.....	0.4907	EA	100
40489.....	0.3359	EA	100
40490-1.....	0.2300	EA	100
40490-2.....	0.2386	EA	100
40490.....	0.2739	EA	100
40491-1.....	0.3208	EA	100
40491.....	0.2955	EA	100
40492-1.....	0.5639	EA	50
40492.....	0.3462	EA	100
40493-1.....	0.6731	EA	50
40493.....	0.5584	EA	50
40494-1.....	0.4957	EA	50
40494.....	0.5784	EA	50
40495-1.....	1.1022	EA	50
40495.....	0.9292	EA	50
40496-1.....	1.1968	EA	25
40496.....	1.1849	EA	25
40497-1.....	1.7961	EA	10
40497-2.....	1.9282	EA	10
40497.....	1.5662	EA	10
40498-1.....	2.3309	EA	10
40498.....	2.2674	EA	10
40499.....	3.0514	EA	10
405.....	18.5320	EA	5
40501.....	0.0832	EA	50
40502-1.....	0.0872	EA	50
40502-2.....	0.0973	EA	50
40502.....	0.0841	EA	50
40503-1.....	0.1007	EA	50
40503-3/16.....	0.0797	EA	50
40505.....	0.0987	EA	50
40506-2.....	0.0982	EA	50
40506.....	0.0905	EA	50
40507.....	0.0869	EA	50
40508.....	0.0971	EA	50
40509-1/4.....	0.0788	EA	50
40509-3/16.....	0.0839	EA	50
40509-5/16.....	0.0852	EA	50
4051.....	0.0633	EA	50
40510.....	0.0848	EA	50
40511.....	0.0976	EA	50
40512.....	0.1003	EA	50
40513.....	0.1090	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
40515.....	0.0954	EA	50
40516.....	0.0976	EA	50
40517.....	0.1003	EA	50
40518.....	0.1090	EA	50
4052.....	0.0603	EA	50
40520.....	0.0982	EA	50
40521.....	0.0995	EA	50
40522.....	0.1014	EA	50
40523.....	0.1101	EA	50
40524-1.....	0.1423	EA	50
40524-11/4.....	0.1953	EA	50
40524.....	0.1522	EA	50
40525.....	0.0982	EA	50
40526.....	0.0864	EA	50
40527.....	0.1014	EA	50
40528.....	0.1101	EA	50
40529-1.....	0.1538	EA	50
40529-3.....	0.0915	EA	50
40529.....	0.1322	EA	50
40530.....	0.1053	EA	50
40531.....	0.1085	EA	50
40532-1.....	0.1476	EA	50
40532.....	0.1187	EA	50
40533.....	0.1703	EA	50
40534-11/4.....	0.3629	EA	50
40534.....	0.2281	EA	50
40535.....	0.1053	EA	50
40536.....	0.1085	EA	50
40537-1.....	0.1476	EA	50
40537-2.....	0.1482	EA	50
40537.....	0.1151	EA	50
40539.....	0.2281	EA	50
40540.....	0.1252	EA	25
40541.....	0.1217	EA	25
40542.....	0.1598	EA	25
40543-11/2.....	0.2980	EA	25
40543-11/4.....	0.3423	EA	25
40543-2.....	0.4430	EA	25
40543.....	0.2321	EA	25
40545.....	0.1283	EA	25
40546.....	0.1217	EA	25
40547.....	0.1744	EA	25
40548.....	0.2110	EA	25
40550.....	0.2672	EA	25
40551.....	0.3301	EA	25
40552.....	0.3794	EA	25
40555.....	0.3151	EA	25
40556.....	0.4318	EA	25
40557-11/2.....	0.6179	EA	25
40557-11/4.....	0.7038	EA	25
40557.....	0.5746	EA	25
40560.....	0.3056	EA	25
40561.....	0.3775	EA	25
40562.....	0.4877	EA	25
40566.....	1.0932	EA	10
40594-B.....	0.4919	EA	200
40594.....	0.6572	EA	25
40596-1.....	0.8586	EA	25
40596-1B.....	0.7025	EA	200
40596-B.....	0.6611	EA	200
40596.....	0.8056	EA	25
40597-B.....	0.7084	EA	200
40597.....	0.9328	EA	25
40598-B.....	0.9137	EA	200
40598.....	1.1024	EA	25
40599-10B.....	0.7354	EA	1
40599-11.....	0.8844	EA	25
40599-11B.....	0.8225	EA	100
40599-12.....	1.0812	EA	25
40599-12B.....	0.8768	EA	100
40599-13.....	1.1872	EA	25
40599-13B.....	1.0134	EA	100
40599-2B.....	1.5987	EA	1
40599-4.....	1.8338	EA	25
40599-4B.....	1.5979	EA	100
40599.....	1.2826	EA	25
405A.....	0.8586	EA	25
406.....	21.1160	EA	5
40600-1.....	1.3674	EA	25
40600-1B.....	1.1160	EA	100
40600-B.....	0.9898	EA	100
40600.....	1.3038	EA	25
40601-1B.....	1.2447	EA	100
40601-B.....	1.2371	EA	100
40601.....	1.4628	EA	25
40602-B.....	1.3383	EA	100
40602.....	1.6218	EA	25
40603-2.....	2.0140	EA	25
40603-2B.....	1.7101	EA	100
40603-3.....	2.1200	EA	25
40603-3B.....	1.7375	EA	100
40603-4.....	1.9954	EA	10
40603-4B.....	1.7985	EA	50
40603-5.....	2.3214	EA	10
40603-5B.....	1.8336	EA	100
40603-6B.....	1.8818	EA	50
40603-7B.....	2.0475	EA	50
40603-B.....	1.3719	EA	100
40603.....	1.8444	EA	25
40604-B.....	1.2561	EA	1
40605-1.....	1.7596	EA	25
40605-1B.....	1.4837	EA	100
40605-B.....	1.4323	EA	100
40605.....	1.6430	EA	25
40606-1.....	1.9610	EA	25
40606-1B.....	1.6848	EA	100
40606-B.....	1.4291	EA	100
40606.....	1.8550	EA	25
40607-B.....	1.7008	EA	100
40607.....	2.1200	EA	25
40608-B.....	1.8078	EA	100
40608.....	2.2260	EA	25
40609-B.....	1.8475	EA	100
40609.....	2.3214	EA	15
40611-B.....	2.0403	EA	100
40611.....	2.5546	EA	15
40612-B.....	2.4522	EA	100
40612.....	2.6818	EA	15
40613-2B.....	2.7558	EA	50
40613-4B.....	3.0964	EA	50
40613-5B.....	3.2822	EA	50
40613-6B.....	3.4792	EA	50
40613.....	2.9468	EA	10
40615-1.....	2.5864	EA	10
40615-1B.....	2.0959	EA	50
40615-B.....	1.9221	EA	50
40615.....	2.0668	EA	10
40616-1.....	3.2648	EA	10
40616-1B.....	2.2035	EA	50
40616-2.....	3.4238	EA	10
40616-2B.....	2.9017	EA	50
40616-3B.....	2.6863	EA	50
40616-4B.....	2.9450	EA	50
40616-B.....	2.5047	EA	50
40616.....	2.9468	EA	10
40617-B.....	3.1583	EA	50
40618-B.....	3.2952	EA	50
40619-B.....	3.4381	EA	50
40621-B.....	3.9540	EA	50
40622-2B.....	3.6816	EA	1
40622-3B.....	3.4443	EA	50
40622-4.....	4.3778	EA	10
40622-4B.....	3.7470	EA	50
40622-5.....	4.7806	EA	5
40622-5B.....	3.8830	EA	25
40622-6B.....	4.5820	EA	25
40622-7B.....	4.9944	EA	25
40622-8B.....	5.4439	EA	25
40622-B.....	2.7875	EA	50
40623-3B.....	5.6324	EA	25
40623-4B.....	6.7218	EA	25
40623-6B.....	7.7693	EA	25
40626-B.....	9.2745	EA	25
40627-B.....	9.9622	EA	20
40628-B.....	15.2793	EA	20
407.....	21.1160	EA	5
40731.....	0.0232	EA	100
40732.....	0.0289	EA	100
40735.....	0.0536	EA	100
40739.....	0.0443	EA	100
40741.....	0.0330	EA	100
40742.....	0.0433	EA	100
40745.....	0.1097	EA	100
40746.....	0.0525	EA	100
40747.....	0.0541	EA	50
40748.....	0.0840	EA	100
40751.....	0.1221	EA	50
40752-1.....	0.0953	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
40752-2.....	0.0665	EA	50
40752.....	0.1272	EA	50
40753.....	0.0989	EA	100
40755.....	0.1257	EA	50
40757.....	0.1236	EA	100
40758.....	0.1200	EA	50
40759.....	0.1556	EA	50
40761.....	0.1839	EA	50
40770.....	0.0195	EA	100
40771.....	0.0205	EA	100
40772.....	0.0186	EA	100
40774.....	0.0237	EA	100
40775.....	0.0237	EA	100
40776.....	0.0211	EA	100
40777.....	0.0234	EA	100
40778.....	0.0271	EA	100
40779.....	0.0298	EA	100
40780.....	0.1463	EA	100
40782.....	0.0211	EA	50
40783.....	0.0361	EA	50
40784.....	0.0273	EA	50
40785.....	0.0307	EA	50
40786.....	0.0341	EA	50
40787.....	0.0379	EA	50
40789.....	0.0430	EA	50
40791.....	0.1494	EA	50
40792.....	0.0896	EA	50
40793.....	0.0371	EA	50
40794.....	0.0462	EA	50
40795.....	0.0773	EA	50
40799.....	0.7733	EA	25
40800.....	0.8015	EA	25
40801-1.....	0.8431	EA	25
40801.....	0.8230	EA	25
40802.....	0.8662	EA	25
40803-1.....	1.0812	EA	25
40803-2.....	1.0054	EA	25
40803-3.....	1.0547	EA	10
40803-4.....	1.3789	EA	10
40803.....	0.9126	EA	25
40804-1.....	0.9341	EA	25
40804-2.....	0.8894	EA	25
40804-3.....	0.8584	EA	25
40804.....	0.9108	EA	25
40805.....	0.9563	EA	25
40806.....	1.0038	EA	25
40807-1.....	1.2296	EA	25
40807-2.....	0.9411	EA	25
40807-3.....	1.0787	EA	25
40807.....	1.1554	EA	25
40808.....	1.0325	EA	25
40809-1.....	1.0779	EA	25
40809.....	1.0540	EA	25
40810.....	1.1013	EA	25
40811.....	1.1485	EA	25
40812.....	1.1963	EA	25
40813-1.....	1.2932	EA	25
40813.....	1.2433	EA	25
40814-1.....	1.4628	EA	25
40814-2.....	1.6006	EA	25
40814-3.....	1.6748	EA	25
40814-4.....	1.7702	EA	25
40814-5.....	1.8974	EA	25
40814-6.....	2.1730	EA	25
40814-7.....	2.3320	EA	25
40814-8.....	1.9679	EA	25
40814.....	1.3462	EA	25
40815.....	1.8007	EA	25
40816-1.....	1.8656	EA	25
40816.....	1.8550	EA	25
40817.....	1.8868	EA	25
40818.....	1.9504	EA	25
40819.....	2.0140	EA	25
40820-1.....	2.1412	EA	25
40820.....	2.0564	EA	25
40821-1.....	2.3214	EA	25
40821-2.....	2.5016	EA	25
40821-3.....	2.6924	EA	25
40821-4.....	2.9150	EA	25
40821-5.....	3.1376	EA	25
40821.....	2.1730	EA	25
40822-1.....	3.0873	EA	25
40822-2.....	3.1503	EA	25
40822-3.....	3.0564	EA	25
40822.....	3.1482	EA	25
40823-1.....	3.3602	EA	25
40823.....	3.2542	EA	25
40824-1.....	3.7100	EA	25
40824-2.....	3.9114	EA	25
40824-3.....	4.2294	EA	25
40824.....	3.4662	EA	25
40825.....	4.5156	EA	25
40826.....	4.6746	EA	25
40827-1.....	5.3848	EA	10
40827.....	5.4802	EA	25
40828-1.....	6.2010	EA	10
40828.....	6.1692	EA	10
40829-1.....	7.0508	EA	10
40829.....	6.6462	EA	10
40832.....	7.6532	EA	10
40833.....	8.6693	EA	5
40834-1.....	5.0932	EA	10
40834.....	9.9697	EA	5
40835-1.....	3.8902	EA	25
40835-2.....	4.1367	EA	25
40835-3.....	4.4838	EA	25
40835-4.....	5.0870	EA	10
40835-5.....	4.7553	EA	10
40835.....	3.3920	EA	25
40836.....	3.5993	EA	25
40837.....	5.1728	EA	10
40838.....	6.0526	EA	10
40839.....	5.5014	EA	10
40840.....	5.7558	EA	10
40841.....	6.0208	EA	10
40842.....	6.3176	EA	10
40843.....	6.6462	EA	10
40844.....	6.7098	EA	10
40845.....	7.7168	EA	10
40846.....	6.9444	EA	10
40847.....	7.2822	EA	5
40848.....	7.4509	EA	5
40849.....	7.8334	EA	5
40850.....	8.0107	EA	5
40851.....	8.4376	EA	5
40852.....	11.5858	EA	5
40853.....	12.8684	EA	5
40854.....	5.7638	EA	10
40855-1.....	0.1573	EA	100
40855-2.....	0.1383	EA	100
40855-3.....	0.1442	EA	100
40855-4.....	0.1494	EA	100
40855.....	0.1538	EA	100
40856-1.....	0.1512	EA	100
40856-2.....	0.1876	EA	100
40856-3.....	0.2087	EA	100
40856-4.....	0.2320	EA	100
40856.....	0.1636	EA	100
40857-1.....	0.1343	EA	100
40857-2.....	0.1345	EA	100
40857.....	0.1426	EA	100
40858-1.....	0.1373	EA	100
40858.....	0.1824	EA	50
40859.....	0.1517	EA	100
40860-1.....	0.1042	EA	100
40860-1P.....	0.1156	EA	100
40860-2.....	0.2215	EA	100
40860-4.....	0.2688	EA	100
40860-7.....	0.1008	EA	100
40860-8.....	0.1013	EA	100
40860.....	0.1600	EA	50
40861-1.....	0.1044	EA	100
40861-P.....	0.5321	EA	100
40861.....	0.1102	EA	50
40862.....	0.1132	EA	50
40863-1.....	0.1240	EA	50
40863-2.....	0.2859	EA	100
40863-3.....	0.2947	EA	100
40863.....	0.1173	EA	50
40864-1.....	0.0785	EA	100
40864-2.....	0.1077	EA	100
40864-3.....	0.1077	EA	100
40864.....	0.1124	EA	100
40865-1.....	0.1164	EA	100
40865-1P.....	0.5589	EA	100
40865-2.....	0.1106	EA	100
40865-3.....	0.1106	EA	100
40865.....	0.1164	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
40866-1.....	0.1243	EA	50
40866-2.....	0.1198	EA	50
40866-2P.....	0.5634	EA	100
40866-3.....	0.1243	EA	50
40866-3P.....	0.1264	EA	25
40866.....	0.1198	EA	50
40867-1.....	0.1376	EA	50
40867-2.....	0.1304	EA	50
40867-3.....	0.0962	EA	50
40867.....	0.1304	EA	50
40868-1.....	0.1474	EA	50
40868-1P.....	0.7947	EA	25
40868-7.....	0.3501	EA	50
40868.....	0.1474	EA	50
40869-1.....	0.1717	EA	50
40869-2.....	0.1658	EA	100
40869-3.....	0.1296	EA	50
40869-4.....	0.1458	EA	50
40869.....	0.0947	EA	50
40870-1.....	0.1461	EA	50
40870-2.....	0.1575	EA	50
40870-3.....	0.1733	EA	50
40870-4.....	0.2012	EA	50
40870-5.....	0.2335	EA	50
40871.....	0.3147	EA	50
40874-P.....	0.5902	EA	25
40874.....	0.1365	EA	50
40875-P.....	0.5947	EA	25
40875.....	0.1717	EA	50
40876-P.....	0.6037	EA	100
40876.....	0.1796	EA	100
40877-1.....	0.1966	EA	50
40877-P.....	0.1372	EA	100
40877.....	0.1869	EA	50
40878-1.....	0.2012	EA	50
40878-2.....	0.2110	EA	50
40878-3.....	0.2331	EA	50
40878-4.....	0.2797	EA	50
40878-5.....	0.3357	EA	25
40878.....	0.2103	EA	50
40879-1.....	0.2677	EA	50
40879-1P.....	0.7209	EA	25
40879-2.....	0.2273	EA	50
40879-2P.....	0.7423	EA	25
40880-1.....	0.2359	EA	50
40881-1.....	0.2772	EA	50
40881-3.....	0.3326	EA	50
40881-P.....	0.8228	EA	100
40881.....	0.2502	EA	50
40882-1.....	0.2585	EA	50
40882-2.....	0.3113	EA	50
40882.....	0.2126	EA	50
40883-1.....	0.3272	EA	50
40883-2.....	0.3496	EA	50
40884-1.....	0.3865	EA	50
40884-2.....	0.4282	EA	50
40884-3.....	0.5138	EA	50
40884-4.....	0.6165	EA	50
40885-1.....	0.6148	EA	25
40885.....	0.6678	EA	25
40886.....	0.7314	EA	25
40887.....	0.8056	EA	25
40888.....	0.9646	EA	25
40889-1.....	0.8791	EA	25
40889-2.....	0.9674	EA	25
40889-3.....	1.1166	EA	25
40889.....	0.7256	EA	25
409-1.....	0.0992	EA	50
409.....	0.1667	EA	50
40900.....	0.0187	EA	100
40901.....	0.0204	EA	100
40902.....	0.0695	EA	100
40903.....	0.0441	EA	100
40904.....	0.0307	EA	100
40905.....	0.1086	EA	100
40906.....	0.0551	EA	100
40907.....	0.0671	EA	100
40908.....	0.0738	EA	100
40909.....	0.0950	EA	100
40910.....	0.1152	EA	100
40911.....	0.1282	EA	100
40912.....	0.1388	EA	100
40913.....	0.1594	EA	100
40914.....	0.1090	EA	100
40915.....	0.1340	EA	100
40916.....	0.1323	EA	100
40917.....	0.1391	EA	100
40918.....	0.1594	EA	100
40919.....	0.0552	EA	100
40920.....	0.0665	EA	100
40921.....	0.1221	EA	100
40922.....	0.1506	EA	100
40923.....	0.1568	EA	100
40924.....	0.1945	EA	100
40925.....	0.2113	EA	100
40926.....	0.0573	EA	100
40927.....	0.0632	EA	100
40928.....	0.1323	EA	100
40929.....	0.1861	EA	100
40930.....	0.2216	EA	100
40931.....	0.2498	EA	100
40932.....	0.0624	EA	100
40933.....	0.0696	EA	100
40934.....	0.1506	EA	100
40935.....	0.1081	EA	100
40936.....	0.1148	EA	100
40937.....	0.0365	EA	100
40938.....	0.1119	EA	100
40939.....	0.0810	EA	100
40940.....	0.1255	EA	100
40941.....	0.0952	EA	100
40942.....	0.1145	EA	100
40943.....	0.1269	EA	100
40944.....	0.1476	EA	100
40945.....	0.1699	EA	100
40946.....	0.1730	EA	100
40947.....	0.1243	EA	100
40948.....	0.1566	EA	100
40949.....	0.1699	EA	100
40950.....	0.0225	EA	50
40951.....	0.2870	EA	50
40952.....	0.9769	EA	50
40953.....	1.1261	EA	50
40954.....	0.2200	EA	50
40955.....	0.2850	EA	50
40956.....	0.3346	EA	50
40957.....	0.3804	EA	50
40958.....	0.4263	EA	50
40959.....	0.5916	EA	50
40960.....	1.9781	EA	50
40961.....	0.4776	EA	50
40962.....	0.8480	EA	50
40963.....	0.6057	EA	50
40964.....	1.0108	EA	50
40965.....	1.2754	EA	50
40966.....	1.0638	EA	50
40967.....	1.7367	EA	50
40968.....	1.2897	EA	50
40969.....	1.4946	EA	50
40970.....	1.8338	EA	50
4100.....	0.0666	EA	50
41001.....	11.1357	EA	10
41002.....	13.8136	EA	10
41003.....	14.4499	EA	10
41004.....	15.0862	EA	10
41005.....	15.7491	EA	10
41007.....	16.3058	EA	10
41008.....	17.0747	EA	10
41009.....	17.7641	EA	10
41010.....	18.4534	EA	10
41011.....	19.1958	EA	5
41016.....	19.8852	EA	5
41017.....	21.5290	EA	5
41018.....	22.4835	EA	5
41019.....	23.3054	EA	5
41020.....	26.1954	EA	5
411.....	0.1143	EA	50
41100.....	0.0898	EA	100
41101.....	0.0936	EA	100
41102.....	0.1033	EA	100
41103.....	0.0909	EA	100
41104.....	0.0949	EA	100
41105.....	0.0882	EA	100
41106.....	0.0898	EA	100
41107.....	0.1030	EA	100
41108.....	0.1057	EA	100
41109.....	0.1097	EA	100
41110.....	0.1302	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
41111	0.1712	EA	100
41112	0.1861	EA	100
41113	0.2607	EA	100
41114	0.1030	EA	100
41115	0.1097	EA	100
41116	0.1383	EA	100
41117	0.1426	EA	100
41118	0.1638	EA	100
41119	0.2405	EA	100
41120	0.3007	EA	100
41121	0.1426	EA	100
41122	0.1999	EA	100
41123	0.2244	EA	100
41124	0.2903	EA	100
41125	0.3250	EA	100
41126	0.4131	EA	100
41127	0.5665	EA	100
41128	0.2244	EA	100
41129	0.4471	EA	100
41130	0.4814	EA	100
41131	0.5494	EA	100
41132	0.7048	EA	100
41133	0.9319	EA	100
41134	1.6040	EA	50
412	14.9640	EA	5
41200	0.0830	EA	100
41201	0.0842	EA	100
41202	0.0853	EA	100
41203	0.0854	EA	100
41204	0.0927	EA	100
41205	0.0919	EA	100
41206	0.0944	EA	100
41207	0.0896	EA	100
41208	0.0918	EA	100
41209	0.0927	EA	100
41210	0.0984	EA	100
41211	0.1186	EA	100
41212	0.1601	EA	100
41213	0.2022	EA	100
41214	0.0925	EA	100
41215	0.1178	EA	100
41216	0.1388	EA	100
41217	0.1696	EA	100
41218	0.2007	EA	100
4125	0.2692	EA	25
4126	0.2692	EA	25
4128	0.1526	EA	25
412A	0.4768	EA	10
413	4.1840	EA	5
4130	0.5494	EA	25
4133	0.1814	EA	25
4134	0.4519	EA	25
413A	0.1113	EA	25
414	4.5120	EA	5
415	3.4440	EA	5
4152	0.6495	EA	25
4154	0.4706	EA	25
4159	0.4068	EA	25
415A	0.3988	EA	25
416	5.0840	EA	5
416A	0.1071	EA	25
417	6.1920	EA	5
4171	0.6000	EA	25
4172	0.1739	EA	25
41749	0.1028	EA	50
4175	0.3031	EA	25
41750	0.0985	EA	50
41751	0.1045	EA	50
41752	0.1181	EA	50
41754	0.1471	EA	50
41755	0.2891	EA	50
41756	0.3575	EA	25
41757	0.5895	EA	25
41758	0.6271	EA	25
41759	0.1617	EA	25
41760	1.0831	EA	25
41762	0.4154	EA	50
41764	0.4372	EA	25
41765	0.6413	EA	25
41766	0.6818	EA	25
41769	0.0920	EA	50
4177	0.3694	EA	25
41771	0.1091	EA	50
41772	0.2299	EA	50
41773	0.2502	EA	50
41774	0.3829	EA	25
41775	0.5366	EA	25
41776	1.2808	EA	10
41781	0.1667	EA	50
41782	0.2567	EA	50
41783	0.4954	EA	50
41785	0.6235	EA	25
417A	0.1824	EA	50
418	7.1360	EA	5
418A	0.1680	EA	25
419	2.8720	EA	5
41906	0.2546	EA	25
41907	0.2578	EA	25
41908	0.2696	EA	25
41909	0.2775	EA	25
41910	0.3011	EA	25
41911	0.3425	EA	25
41912	0.5920	EA	25
41914-1	0.3085	EA	25
41915	0.3131	EA	25
41916-1	0.3140	EA	25
41916	0.3131	EA	25
41917	0.3212	EA	25
41918	0.3371	EA	25
41919	0.3371	EA	25
41920	0.4523	EA	25
41925	0.3371	EA	25
41926-1	0.3493	EA	25
41926	0.3410	EA	25
41927	0.3645	EA	25
41928	0.3887	EA	25
41929	0.3967	EA	25
41930	0.4044	EA	25
41935	0.5035	EA	25
41936-1	0.4632	EA	25
41936	0.4598	EA	25
41937	0.4757	EA	25
41938	0.4915	EA	25
41939	0.5074	EA	25
41940	0.2253	EA	25
41941	0.3506	EA	25
41942	0.2983	EA	25
41945	0.9677	EA	25
41946	0.8487	EA	25
41947	0.2406	EA	25
41948	0.2689	EA	25
41949	0.6841	EA	25
41950	0.3501	EA	25
41955	1.3351	EA	10
41960	1.4310	EA	10
41961	1.4734	EA	10
41962	1.5264	EA	10
41963	1.6748	EA	10
41964	1.7914	EA	10
41965	2.3880	EA	10
41999-1	0.2948	EA	100
41999-4	0.3126	EA	100
41999-5	0.3192	EA	100
420	2.7080	EA	5
42000-1	0.1782	EA	50
42000-1BLK	0.2325	EA	100
42000	0.2749	EA	50
42001-1	0.3749	EA	50
42001	0.1831	EA	50
42002	0.1870	EA	50
42002BLK	0.2480	EA	100
42004	0.1923	EA	50
42004BLK	0.2580	EA	100
42005	0.2504	EA	50
42005BLK	0.3012	EA	100
42006-1	0.3580	EA	50
42006-1BLK	0.3963	EA	100
42006-2	0.4465	EA	50
42006-3	0.4764	EA	50
42006-4	0.4963	EA	50
42006	0.3303	EA	50
42006BLK	0.2978	EA	100
42007	0.2273	EA	50
42008	0.1846	EA	50
42008BLK	0.1871	EA	100
42009	0.1870	EA	50
42010	0.2244	EA	50
42010BLK	0.2093	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
42011	0.2131	EA	50
42011BLK	0.2093	EA	100
42013	0.2230	EA	50
42013BLK	0.2524	EA	100
42015	0.2314	EA	50
42015BLK	0.3787	EA	100
42016	0.2971	EA	50
42017	0.4173	EA	50
42018	0.4326	EA	50
42019	0.4448	EA	50
42021	0.4700	EA	50
42023	0.4598	EA	50
42025	0.3037	EA	50
42026	0.2185	EA	50
42027-14	0.2761	EA	50
42027	0.2252	EA	50
42028	0.2275	EA	50
42028BLK	0.1871	EA	100
42029	0.2860	EA	50
42030	0.2501	EA	50
42030BLK	0.1982	EA	100
42032	0.2470	EA	50
42034	0.2594	EA	50
42034BLK	0.2093	EA	100
42036	0.2796	EA	50
42036BLK	0.2868	EA	100
42037	0.2838	EA	50
42037BLK	0.3311	EA	100
42038	0.3045	EA	50
42039	0.3088	EA	50
42039BLK	0.4086	EA	100
42041	0.3573	EA	50
42043-2	0.5150	EA	25
42043	0.4175	EA	50
42044-1	0.7145	EA	25
42044	0.6558	EA	25
42045	0.2885	EA	50
42046	0.4565	EA	50
42047-1	0.3328	EA	50
42047	0.2990	EA	50
42048-1	0.3829	EA	50
42048	0.3530	EA	50
42049-1	0.6846	EA	50
42049-2	0.4444	EA	50
42049	0.4063	EA	50
42050	0.5019	EA	50
42051-14	0.3967	EA	50
42051	0.2796	EA	50
42052	0.2896	EA	50
42052BLK	0.3421	EA	100
42053	0.4842	EA	50
42054	0.3045	EA	50
42055	0.4454	EA	50
42056	0.3045	EA	50
42056BLK	0.3532	EA	100
42058	0.3530	EA	50
42058BLK	0.3864	EA	100
42060	0.3765	EA	50
42060BLK	0.4307	EA	100
42061	0.3918	EA	50
42061BLK	0.4307	EA	100
42062	0.4203	EA	50
42063	0.4629	EA	50
42063BLK	0.5746	EA	100
42064	0.4882	EA	50
42065	0.4977	EA	50
42065BLK	0.3532	EA	100
42066	0.5934	EA	50
42067	0.6124	EA	50
42068	0.6904	EA	25
42069	0.7200	EA	25
42070	0.7624	EA	25
42071-1	0.9902	EA	25
42071	0.8578	EA	10
42072	1.9002	EA	10
42075	0.3808	EA	50
42075BLK	0.5525	EA	100
42076	0.4441	EA	50
42076BLK	0.5746	EA	100
42078	0.4906	EA	50
42078BLK	0.6078	EA	100
42080	0.5382	EA	50
42080BLK	0.6300	EA	100
42081	0.5889	EA	50
42081BLK	0.7186	EA	100
42083	0.6242	EA	50
42083BLK	0.6300	EA	100
42084	0.6736	EA	50
42085	0.7019	EA	50
42085BLK	0.8071	EA	100
42086	0.8246	EA	50
42087	0.8648	EA	50
42087BLK	1.1061	EA	100
42088	0.9742	EA	50
42089	1.0069	EA	50
42090	1.1453	EA	50
42091	1.1762	EA	25
42092	1.5758	EA	25
42093	1.2420	EA	25
42095	1.3610	EA	25
42097	1.6390	EA	25
42099	0.6872	EA	50
42099BLK	0.8293	EA	100
420A	0.6984	EA	25
421	2.6640	EA	5
42101	0.7191	EA	50
42101BLK	0.8625	EA	100
42103	0.7642	EA	50
42103BLK	0.8514	EA	100
42104	0.8347	EA	50
42104BLK	0.9954	EA	100
42105	0.8786	EA	50
42105BLK	0.9954	EA	100
42106	1.1005	EA	50
42106BLK	1.0728	EA	100
42107	1.0405	EA	25
42107BLK	1.0839	EA	100
42108	1.1410	EA	25
42108BLK	1.4924	EA	100
42109	1.1760	EA	25
42110	1.2041	EA	25
42111	1.2158	EA	25
42112	1.2920	EA	25
42113	1.3511	EA	25
42115	1.4813	EA	25
42116	1.9578	EA	10
42117	1.7675	EA	10
42118	2.8446	EA	10
42127	1.9394	EA	1
42134	1.3531	EA	50
42135	1.4196	EA	50
42136	1.4504	EA	50
42137	1.4690	EA	50
42139	1.6733	EA	25
42141	1.9974	EA	25
42142	2.0553	EA	25
42143	2.1776	EA	25
42144	2.6498	EA	25
42145	2.6228	EA	25
42147	2.8079	EA	25
42149	3.0402	EA	10
42151	3.4557	EA	10
42153	3.2251	EA	10
42165	1.4485	EA	25
42166	1.5327	EA	25
42167	1.6688	EA	25
42168	1.6464	EA	25
42169	1.6029	EA	25
42170	1.9126	EA	25
42171	2.3578	EA	25
42172	2.1458	EA	25
42173	2.7076	EA	25
42174	2.2624	EA	10
42176	3.0574	EA	10
42180	3.2058	EA	5
42183	5.1718	EA	5
42184	5.6391	EA	5
42185	6.7495	EA	5
42186-3	3.0981	EA	5
42187	3.7358	EA	5
42188	4.3400	EA	5
42190	4.8170	EA	5
42191	4.4024	EA	5
42192	5.0926	EA	5
42193	4.9139	EA	3
42194	5.6332	EA	3
42195	5.9724	EA	3
42196	12.6772	EA	3

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
42197	7.5577	EA	3
42198	8.1235	EA	3
42199	8.2375	EA	3
422	2.7880	EA	5
42204	3.0981	EA	5
42205	4.6156	EA	5
42206	5.0184	EA	5
42207	5.1139	EA	5
42208	5.3894	EA	5
42209	5.4806	EA	5
4221	0.5354	EA	25
42210	5.6862	EA	5
42211	4.9139	EA	5
42212	6.1526	EA	5
42213	6.7144	EA	5
42214-400	5.4295	EA	50
42214	7.2762	EA	3
42215	7.3086	EA	3
42216	7.3437	EA	3
42217	8.6394	EA	3
4222	1.1797	EA	25
42228-1	7.5094	EA	5
42228	6.9900	EA	5
42229-1	7.5737	EA	5
42229	7.5394	EA	5
4223	1.2537	EA	25
42230-1	11.2135	EA	3
42230	14.0833	EA	3
42231-1	12.5842	EA	3
42232-2	19.6789	EA	1
42232	7.7463	EA	3
4224	0.3594	EA	25
42241	30.1037	EA	5
42242	37.7431	EA	5
42243	36.9681	EA	5
42244	39.7359	EA	3
42245	48.9253	EA	3
42246	51.9146	EA	3
42251-1	50.7266	EA	10
42253	0.2940	EA	50
42258	0.2819	EA	50
42260	0.3049	EA	50
42261	0.3723	EA	50
42262	0.3986	EA	50
42265	0.3681	EA	50
42267	0.4717	EA	50
42268	0.4995	EA	50
4227	0.5857	EA	15
42282	0.5046	EA	50
42284	0.5046	EA	50
42286	0.5220	EA	50
42287	0.5524	EA	50
42289	0.5855	EA	50
42291	0.6790	EA	50
42293	1.3478	EA	50
422C072-6	16.5148	EA	6
422C072	18.3062	EA	1
423	3.9360	EA	5
4230	0.8804	EA	50
42305	0.5887	EA	25
42307	0.6206	EA	25
42309	0.6498	EA	25
42311	0.6498	EA	25
42312	0.7212	EA	25
42314	0.8266	EA	25
42315	0.8618	EA	25
42317	1.0167	EA	25
42319	1.1865	EA	25
42321	1.2306	EA	25
42323	1.2440	EA	10
42327	0.9273	EA	50
42328	1.0167	EA	50
42329	2.3929	EA	50
4233	0.7905	EA	25
42330	0.4046	EA	50
42331	0.4046	EA	50
42332	0.4220	EA	50
42333	0.5361	EA	50
42334	0.4855	EA	50
42336	0.5790	EA	50
42338	0.6419	EA	50
42340	0.5230	EA	50
42342	0.5498	EA	50
42345	0.7266	EA	25
4235	0.3250	EA	25
4238	0.3509	EA	25
424	1.5780	EA	10
4240	1.7889	EA	25
42400	0.2607	EA	50
42400BLK	0.0421	EA	100
42401	0.3704	EA	50
42401BLK	0.0491	EA	100
42402	0.3805	EA	50
42402BLK	0.0558	EA	100
42403	0.3988	EA	50
42404	0.4412	EA	50
42404BLK	0.1177	EA	100
42405	0.4998	EA	50
42405BLK	0.1659	EA	100
42406	0.6188	EA	50
42406BLK	0.2630	EA	100
42407	0.8383	EA	25
42408	1.0280	EA	25
42409-18	1.6039	EA	25
42409-20	1.7284	EA	25
42410	2.1985	EA	100
42411	2.6440	EA	25
42413	5.4039	EA	25
42414	0.2860	EA	50
42415-1	0.4755	EA	50
42415	0.3787	EA	50
42416-1	0.4667	EA	50
42416	0.4716	EA	25
42430	0.2008	EA	100
42431	0.1554	EA	100
42432	0.1605	EA	100
42433	0.1039	EA	100
42434	0.1103	EA	100
42449-5	0.1326	EA	50
42449	0.0319	EA	100
42450	0.1153	EA	200
42450BLK	0.0340	EA	100
42451	0.1188	EA	200
42451BLK	0.0482	EA	100
42452	0.1229	EA	200
42452BLK	0.0586	EA	100
42453	0.1272	EA	200
42454	0.1272	EA	200
42454BLK	0.0755	EA	100
42455	0.1422	EA	100
42455BLK	0.1095	EA	100
42456	0.1505	EA	100
42456BLK	0.1519	EA	100
42457	0.2002	EA	100
42458-16	0.2323	EA	100
42458-18	0.3779	EA	50
42458-20	0.5498	EA	50
42459-1	0.7778	EA	50
42460	0.0266	EA	200
42461	0.0266	EA	200
42462	0.0422	EA	200
42463	0.0468	EA	200
42464	0.0154	EA	200
42465	0.0288	EA	100
42466	0.2171	EA	100
42467	0.1398	EA	100
42468	0.1964	EA	100
42469-1	0.9247	EA	100
42469-18	0.5653	EA	100
42469-2	1.6442	EA	50
42469-20	0.5247	EA	50
42469-3	4.0565	EA	100
42469-6	5.0065	EA	50
42469	0.6218	EA	100
42470	0.0232	EA	200
42471	0.0232	EA	200
42472	0.0352	EA	200
42473	0.0470	EA	200
42474	0.0584	EA	200
42475	0.0655	EA	200
42476	0.0732	EA	200
42477	0.1287	EA	200
42478	0.2620	EA	200
42480	0.0321	EA	200
42481	0.0569	EA	100
42482	0.0762	EA	100
42483	0.1072	EA	100
4249	2.1306	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
424A	1.0282	EA	25
425	1.7640	EA	10
42515	0.0515	EA	200
4252	0.5083	EA	25
42522	0.0557	EA	200
42524	0.0557	EA	200
42526	0.0591	EA	200
4253	0.4666	EA	25
42533	0.0898	EA	200
42538	0.1085	EA	200
42543	0.1568	EA	200
42544	0.1700	EA	200
42546	0.1937	EA	200
42556	0.3056	EA	100
42558	0.3755	EA	100
4256	0.6535	EA	25
4257	0.3960	EA	25
426	1.8660	EA	10
42601	0.3781	EA	25
42603	0.4159	EA	25
42608	0.4367	EA	25
42612	0.4650	EA	25
42614	0.4883	EA	25
42616	0.5127	EA	25
42617	0.6384	EA	25
42619	0.6704	EA	25
42621	0.9022	EA	25
42630	0.6745	EA	25
42633	0.7197	EA	25
42637	1.3616	EA	25
4264	0.4887	EA	25
4265	0.4523	EA	25
42692	3.2754	EA	5
42693	6.0738	EA	5
42694	7.2610	EA	5
42695	8.2468	EA	2
42696	9.9852	EA	2
42697	14.9778	EA	2
42698	17.9246	EA	2
42699	35.2874	EA	1
427	3.2800	EA	5
42700	38.8384	EA	1
42704-1	0.1928	EA	50
42704-2	0.1924	EA	50
42704-3	0.1946	EA	50
42704-4	0.2051	EA	50
42704	0.2421	EA	50
42705-1	0.2627	EA	50
42705-2	0.2403	EA	50
42705-4	0.2510	EA	50
42705	0.2121	EA	50
42706-1	0.2944	EA	50
42706-2	0.3314	EA	50
42706-3	0.0186	EA	1
42706-5	0.2698	EA	1
42706	0.2736	EA	50
42707	0.1973	EA	50
42708	0.2246	EA	50
42709	0.2495	EA	50
4271	0.4331	EA	25
42710-1	0.1556	EA	50
42710	0.2571	EA	50
42712-1	0.1803	EA	50
42712	0.2621	EA	50
42713	0.2842	EA	50
42714	0.2972	EA	50
42715	0.3099	EA	50
42716	0.3317	EA	50
42717	0.3337	EA	50
42718-1	0.3750	EA	50
42718	0.3486	EA	50
42719	0.2630	EA	50
42720	0.2752	EA	50
42721	0.2806	EA	50
42722	0.1764	EA	50
42723-1	0.1786	EA	50
42723	0.2846	EA	50
42724	0.2908	EA	50
42725	0.3249	EA	50
42726	0.3461	EA	50
42727	0.3320	EA	50
42728-1	0.3489	EA	50
42728	0.3341	EA	50
42729-1	0.5038	EA	50
42729-2	0.5290	EA	50
42729-3	0.6325	EA	50
42729-4	0.6647	EA	50
42729	0.3754	EA	50
4273	0.1262	EA	50
42730	0.2497	EA	50
42732	0.2666	EA	50
42733	0.2731	EA	50
42734	0.1873	EA	50
42735-1	0.1852	EA	50
42735	0.2852	EA	50
42736	0.2976	EA	50
42738	0.3265	EA	50
42739	0.3300	EA	50
42740	0.3662	EA	50
42741	0.3674	EA	50
42742	0.3720	EA	50
42743	0.4014	EA	50
42745-1	0.5535	EA	50
42745-2	0.5634	EA	50
42745-3	0.5854	EA	25
42745-4	0.7986	EA	25
42745-5	0.8273	EA	25
42745-6	1.5109	EA	25
42745-7	0.8973	EA	50
42745	0.5435	EA	50
42746-1	0.2933	EA	50
42746	0.3944	EA	50
42747	0.3670	EA	50
42749	0.3835	EA	50
4275	0.3366	EA	25
42751	0.4056	EA	50
42752	0.4276	EA	50
42753	0.4625	EA	50
42754	0.5444	EA	50
42755	0.5130	EA	50
42756-1	0.5304	EA	50
42756	0.5677	EA	50
42757-1	0.5634	EA	50
42757	0.5984	EA	50
42758-1	1.3092	EA	50
42758	0.6145	EA	50
42759-1	0.8406	EA	25
42759-2	0.8708	EA	25
42759	0.6289	EA	50
42762	0.5771	EA	50
42763	0.5865	EA	50
42765	0.5617	EA	50
42766	0.5897	EA	50
42767	0.7133	EA	50
42768	0.7163	EA	50
42769	0.8250	EA	50
42770-1	0.7648	EA	50
42770	0.8309	EA	50
42771-1	0.7833	EA	50
42771	0.8482	EA	50
42772-1	1.7453	EA	50
42772	0.8633	EA	50
42773	0.8854	EA	50
42774-1	0.9362	EA	25
42774	0.9092	EA	25
42775-1	1.7058	EA	10
42775	1.6740	EA	10
42779	1.0507	EA	25
42780	1.0705	EA	25
42781	1.0064	EA	25
42782	1.1880	EA	25
42783	1.1347	EA	25
42784	1.2018	EA	25
42785	1.3574	EA	25
42786	1.3428	EA	25
42787-1	1.5257	EA	25
42787	1.5158	EA	25
42788	1.7172	EA	25
42789	1.8439	EA	25
4279	0.4235	EA	25
42790	1.7914	EA	25
42791	1.8020	EA	25
42792	1.8126	EA	25
42793-1	1.8444	EA	10
42793	1.8338	EA	10
42795-1	2.4650	EA	25
42795-2	2.4563	EA	25
42795-3	3.0523	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
42795	2.3445	EA	25
42796-1	3.3470	EA	25
42796-3	4.4995	EA	25
42796	3.3262	EA	25
42797-1	1.4946	EA	10
42797-2	1.5336	EA	10
42797-3	1.6430	EA	10
42797	1.2084	EA	10
42798-1	1.9822	EA	10
42798-2	2.1730	EA	10
42798-3	2.6500	EA	10
42798	1.8126	EA	10
427A	0.3434	EA	50
428	2.0920	EA	10
42801-1	2.3850	EA	10
42801-2	2.6606	EA	10
42801-3	2.7482	EA	10
42801	2.1836	EA	10
42802-1	3.1891	EA	5
42802-2	3.4768	EA	5
42802-3	3.6358	EA	5
42802	3.0104	EA	10
42803	4.0810	EA	5
42806-1	7.3246	EA	5
42806-2	6.8757	EA	5
42806-3	8.2044	EA	5
42806-4	8.8828	EA	3
42806-5	8.4549	EA	3
42806-6	10.1018	EA	3
42806-7	8.7940	EA	3
42806	6.8900	EA	5
42808-1	11.1250	EA	5
42808-2	11.2362	EA	5
42808-3	13.5089	EA	5
42808-4	13.6678	EA	3
42808-5	14.3830	EA	3
42808-6	15.4955	EA	3
42808-7	15.4955	EA	3
42808	10.8600	EA	5
42810	0.1066	EA	100
42812	0.1088	EA	100
42814	0.1066	EA	100
42816	0.1088	EA	100
42818	0.1145	EA	100
4282	0.7575	EA	25
42820	0.1345	EA	100
42822	0.1574	EA	100
42825	0.1209	EA	100
42827	0.1322	EA	100
42829	0.1536	EA	100
4283	2.1301	EA	25
42831	0.1698	EA	100
42834	0.1622	EA	100
42836	0.1994	EA	100
42838	0.2032	EA	100
42840	0.2311	EA	100
42842	0.2749	EA	100
42845	0.2501	EA	50
42847	0.2955	EA	50
42849	0.3209	EA	50
4285	0.4080	EA	25
42850	0.3715	EA	50
42851	0.3867	EA	25
42853	0.4652	EA	25
42856	0.3099	EA	100
42859	0.4636	EA	50
42861	0.5111	EA	50
42862	0.5719	EA	50
42863	0.6034	EA	25
42866	0.7738	EA	25
42867	0.8243	EA	25
4288	0.4644	EA	25
42891	0.2812	EA	50
42892	0.3375	EA	50
42893	0.4552	EA	50
42894	0.5729	EA	50
42895	1.0402	EA	50
42896	1.6157	EA	50
42897	2.5707	EA	50
428A	0.2246	EA	25
429	2.4600	EA	5
4290	0.4616	EA	25
42909	0.1152	EA	50
4291	0.4149	EA	25
42910	0.1174	EA	50
42911	0.1205	EA	50
42912	0.1227	EA	50
42913	0.1289	EA	50
42914	0.1348	EA	50
42915	0.1388	EA	50
42918	0.1200	EA	50
42919	0.1227	EA	50
42920	0.1250	EA	50
42921	0.1276	EA	50
42922	0.1303	EA	50
42923	0.1320	EA	50
42924	0.1327	EA	50
42925	0.2016	EA	50
42927	0.0583	EA	100
42928	0.1419	EA	50
42929	0.1433	EA	50
4293	0.8635	EA	25
42930	0.1474	EA	50
42931	0.1529	EA	50
42932	0.1571	EA	50
42933	0.1651	EA	50
42934	0.1742	EA	25
42935	0.1843	EA	25
42936	0.2309	EA	25
42938	0.1884	EA	50
42939	0.1890	EA	50
42940	0.1915	EA	50
42941	0.1939	EA	25
42942	0.1953	EA	25
42943	0.1966	EA	25
42944	0.1986	EA	25
42945	0.2253	EA	25
42952	0.2356	EA	25
42953	0.2366	EA	25
42954	0.2199	EA	25
42955	0.2388	EA	25
42956	0.2392	EA	10
42957	0.2406	EA	10
42958	0.2689	EA	10
42960	0.3501	EA	10
42962	0.4138	EA	10
42965	0.3718	EA	10
42966	0.3003	EA	10
42967	0.3946	EA	10
42968	0.4163	EA	10
42969	0.4065	EA	10
42970	0.4635	EA	10
42972	0.5735	EA	10
42974	0.6518	EA	10
4299	1.0288	EA	25
43	0.7212	EA	10
430	2.1940	EA	10
43000	0.0559	EA	50
43001	0.0648	EA	50
43002	0.0739	EA	50
43003	0.1302	EA	50
43004	0.1834	EA	50
43005	0.2568	EA	50
43006	0.2932	EA	50
43007	0.4953	EA	50
43008	0.6694	EA	25
43009	0.1026	EA	50
4301	0.7180	EA	25
43020	0.6369	EA	100
43021	0.6514	EA	100
43022	0.7429	EA	100
43023	0.7424	EA	100
43024	0.9473	EA	50
43025	1.0039	EA	50
43026	1.2628	EA	25
43027	1.3435	EA	25
43028	1.6164	EA	25
43029	1.7315	EA	25
43030	0.6514	EA	100
43031	0.7424	EA	100
43032	0.9473	EA	50
43032BLK	0.1982	EA	100
43033	1.2639	EA	25
43034	1.6180	EA	25
43050	0.3706	EA	100
43051	0.3338	EA	100
43052	0.3533	EA	100
43053	0.3533	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
43054.....	0.4750	EA	50
43055.....	0.5800	EA	50
43056.....	0.8509	EA	25
43057.....	1.0383	EA	25
43058.....	1.1564	EA	25
43059.....	1.2702	EA	25
43060.....	0.5390	EA	100
43061.....	0.5598	EA	100
43062.....	0.6562	EA	50
43063.....	0.8414	EA	25
43075.....	9.8792	ST	1
431-10-RL.....	1212.7158	EA	1
431-12-RL.....	1553.0551	EA	1
431-16-BX.....	214.5600	EA	1
431-16-RL.....	1024.1640	EA	1
431-4-BX.....	78.4800	EA	1
431-4-RL.....	1346.9814	EA	1
431-6-RL.....	1332.4500	EA	1
431-8-RL.....	1684.8000	EA	1
431.....	1.8240	EA	10
4310.....	0.7632	EA	25
43100.....	13.9496	EA	1
43101.....	8.7662	ST	1
4311.....	0.6813	EA	25
43127.....	0.1390	EA	25
43128.....	0.1163	EA	25
43129.....	0.1772	EA	25
43130.....	0.1772	EA	25
43131.....	0.1999	EA	25
43132.....	0.2116	EA	25
43133.....	0.2289	EA	25
43134-1.....	0.1699	EA	25
43134.....	0.2434	EA	25
43135.....	0.1163	EA	25
43136.....	0.1772	EA	25
43137-1.....	0.1482	EA	25
43137.....	0.2434	EA	25
43138-1.....	0.0371	EA	100
43138.....	0.1772	EA	25
43139.....	0.1772	EA	25
43140.....	0.1310	EA	25
43141.....	0.1999	EA	25
43142.....	0.2201	EA	25
43143-1.....	0.3147	EA	25
43143-2.....	0.0198	EA	100
43143.....	0.2841	EA	25
43144.....	0.1884	EA	25
43145-1.....	0.1743	EA	25
43145.....	0.1884	EA	25
43146.....	0.2085	EA	25
43147.....	0.2260	EA	25
43148.....	0.2377	EA	25
43149.....	0.2608	EA	25
4315.....	0.0494	EA	50
43150.....	0.3011	EA	25
43151-1.....	0.3409	EA	25
43151.....	0.3187	EA	25
43152-1.....	0.6141	EA	25
43152.....	0.5027	EA	25
43154-1.....	0.2433	EA	25
43154.....	0.2896	EA	25
43155-1.....	0.0373	EA	100
43155.....	0.2896	EA	25
43156.....	0.3041	EA	25
43157.....	0.3187	EA	25
43158.....	0.3273	EA	25
43159.....	0.3708	EA	25
43160.....	0.4056	EA	25
43161.....	0.0762	EA	100
43162.....	0.3671	EA	25
43163.....	0.4206	EA	25
43164-1.....	1.1024	EA	25
43164.....	0.8854	EA	25
43165.....	0.5389	EA	25
43166.....	0.5041	EA	25
43167.....	0.5041	EA	25
43168.....	0.5158	EA	25
43169.....	0.5910	EA	25
43170.....	0.6313	EA	25
43171.....	0.0568	EA	100
43172.....	0.7416	EA	25
43173-1.....	1.1557	EA	25
43173.....	0.9154	EA	25
43174.....	1.4832	EA	25
43175.....	0.7648	EA	10
43176.....	0.8169	EA	10
43177.....	0.8402	EA	10
43178.....	0.9154	EA	10
43179.....	0.9561	EA	10
43180.....	0.8899	EA	10
43181-1.....	0.1366	EA	50
43181-2.....	0.0178	EA	50
43181-3.....	0.2239	EA	50
43181-4.....	0.3947	EA	50
43181-5.....	0.0380	EA	1
43181.....	1.1531	EA	10
43182-1.....	0.9770	EA	10
43182-2.....	1.0601	EA	10
43182.....	0.9673	EA	10
43183-1.....	1.6289	EA	10
43183-2.....	2.0122	EA	10
43183.....	1.4373	EA	10
43184-2.....	0.2053	EA	50
43185-1.....	1.3595	EA	10
43185-2.....	1.6428	EA	10
43185.....	1.1473	EA	10
43186-1.....	2.4728	EA	10
43186-2.....	0.5389	EA	25
43186.....	1.9174	EA	10
43187.....	3.3850	EA	10
43188-1.....	4.2751	EA	10
43188-2.....	5.0444	EA	10
43188.....	3.0223	EA	10
43189-2.....	1.6629	EA	25
43189.....	5.1324	EA	10
4319.....	1.1247	EA	5
431A.....	0.4348	EA	50
432.....	3.1560	EA	5
4320.....	0.9817	EA	10
43202.....	0.0343	EA	50
43203.....	0.0359	EA	50
43204.....	0.0377	EA	50
43205.....	0.0440	EA	50
43208.....	0.0483	EA	50
43209.....	0.0518	EA	50
4321.....	1.1898	EA	10
4322.....	1.1943	EA	10
43222.....	0.0449	EA	50
43223.....	0.0470	EA	50
43224.....	0.0488	EA	50
43225.....	0.0510	EA	50
43226.....	0.0516	EA	50
43227.....	0.0545	EA	50
43229.....	0.0560	EA	50
43231.....	0.0589	EA	50
43233.....	0.0753	EA	50
43234.....	0.0913	EA	50
43235.....	0.1004	EA	50
43236.....	0.1380	EA	50
43237.....	0.1476	EA	50
43239.....	0.0624	EA	50
4324.....	1.1053	EA	10
43240.....	0.0631	EA	50
43241.....	0.0637	EA	50
43242.....	0.0650	EA	50
43243.....	0.0657	EA	50
43244.....	0.0664	EA	50
43248.....	0.0743	EA	50
43249.....	0.0815	EA	50
43254.....	0.0841	EA	50
43255.....	0.0849	EA	50
43256.....	0.0929	EA	50
43257.....	0.0968	EA	50
43258.....	0.0997	EA	50
43259.....	0.1027	EA	50
43261.....	0.1089	EA	50
43263.....	0.1154	EA	50
43264.....	0.1339	EA	50
43265.....	0.1467	EA	50
43266.....	0.1641	EA	50
43267.....	0.1766	EA	50
43269.....	0.1940	EA	50
43274.....	0.1983	EA	25
43276.....	0.2024	EA	25
4328.....	1.1660	EA	5
432A.....	0.5489	EA	50
433.....	2.6640	EA	5
43307-1.....	0.0444	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
43307-3	0.0239	EA	100
43308-1	0.0244	EA	100
43308-2	0.0206	EA	1
43308-3	0.0233	EA	100
43308-4	0.0233	EA	100
43308-5	0.0239	EA	100
43308-6	0.0414	EA	100
43308-7	0.0277	EA	100
43308-8	0.0295	EA	100
43309	0.0536	EA	50
43310	0.0547	EA	50
43311	0.0301	EA	50
43312	0.0313	EA	50
43313	0.0669	EA	50
43314	0.0683	EA	50
43315	0.0336	EA	50
43316	0.0085	EA	100
43318	0.0870	EA	100
43319	0.0293	EA	50
4332-1	0.7409	EA	10
43320	0.0790	EA	50
43321	0.0806	EA	50
43322	0.0823	EA	50
43323	0.0873	EA	50
43324	0.1055	EA	50
43325-2	0.1100	EA	100
43325	0.1229	EA	50
43327	0.1006	EA	50
43328	0.0517	EA	50
43329	0.1103	EA	100
43330	0.0493	EA	50
43331	0.1027	EA	50
43332	0.1214	EA	50
43333	0.1643	EA	50
43334-2	0.2829	EA	100
43335	0.1705	EA	25
43336	0.0877	EA	25
43337	0.1772	EA	25
43338	0.1808	EA	25
43339	0.1826	EA	25
4334	0.2242	EA	25
43340	0.2203	EA	25
43342-2	0.4588	EA	100
43342	0.2378	EA	25
43345	0.3899	EA	100
43346	2.2356	EA	100
43347	0.1458	EA	25
43348	0.4152	EA	100
43349	0.4760	EA	100
4339	0.4600	EA	25
434	3.2400	EA	5
43401	0.1114	EA	50
43402	0.1121	EA	50
43403	0.1141	EA	50
43404	0.1149	EA	50
43405	0.1306	EA	50
43406	0.1429	EA	50
43407	0.1516	EA	50
43408	0.1655	EA	50
43409	0.1780	EA	50
43410	0.2355	EA	50
43411	0.3223	EA	50
43412	0.3608	EA	50
43413	0.4432	EA	50
43416-12	5.5074	EA	12
43421	0.1626	EA	50
43422	0.1659	EA	50
43423	0.1833	EA	50
43424	0.2110	EA	50
43425	0.2680	EA	50
43426	0.2756	EA	50
43427	0.2576	EA	50
43428	0.2862	EA	50
43429	0.3180	EA	50
4343	0.3898	EA	25
43430	0.3286	EA	50
43431	0.3604	EA	50
43432	0.6816	EA	25
4344	0.4715	EA	25
43441	0.2178	EA	50
43442	0.2938	EA	50
43443	0.3074	EA	50
43444	0.3039	EA	50
43445	0.3392	EA	50
43446	0.3498	EA	50
43447	0.3434	EA	50
43448	0.3710	EA	50
43449	0.4134	EA	50
43450	0.4346	EA	50
43451	0.7582	EA	50
4347	1.1978	EA	25
4349	1.0577	EA	25
434A	2.7454	EA	5
435	4.1840	EA	5
4350	0.8088	EA	25
4352	0.5928	EA	25
43532	0.1438	EA	50
43533	0.1574	EA	50
43543	0.1605	EA	100
43545	0.2325	EA	100
4355	0.7846	EA	25
43581	0.0209	EA	50
43582	0.0217	EA	50
43584	0.0275	EA	50
43585	0.0326	EA	50
43586	0.0619	EA	50
43599	0.0290	EA	50
4360	0.5334	EA	25
43600	0.0298	EA	50
43604	0.0334	EA	50
43605	0.0399	EA	50
43606	0.0510	EA	50
43608	0.0679	EA	50
43610	0.1002	EA	50
43616	0.0290	EA	50
43617	0.0290	EA	50
43618	0.0439	EA	50
43619	0.0304	EA	50
43621	0.0340	EA	50
43622	0.0353	EA	50
43623	0.0389	EA	50
43625	0.0624	EA	50
43627	0.0800	EA	50
43631	0.0423	EA	50
43632	0.0665	EA	50
43633	0.0477	EA	50
43634	0.0497	EA	50
43635	0.0545	EA	50
43636	0.0690	EA	50
43637	0.0905	EA	50
43638	0.0992	EA	50
43639	0.1112	EA	50
43640	0.1196	EA	50
43641	0.1259	EA	50
43645	0.0651	EA	25
43646	0.0696	EA	25
43647	0.1192	EA	25
43649	0.2374	EA	25
43651	0.2715	EA	25
43665	0.0409	EA	50
43666	0.0447	EA	50
43667	0.0497	EA	50
43669	0.0552	EA	50
43681	0.0533	EA	50
43682	0.0542	EA	50
43683	0.0558	EA	50
43685	0.0649	EA	50
43687	0.0697	EA	50
43688	0.0807	EA	50
43689	0.0868	EA	50
43691	0.0933	EA	50
43696	0.1004	EA	50
43697	0.0608	EA	50
437	3.4440	EA	5
43701	0.0723	EA	50
43702	0.0814	EA	50
43703	0.0905	EA	50
43705	0.1005	EA	50
43707	0.1183	EA	50
43711	0.0849	EA	50
43712	0.0929	EA	50
43713	0.0968	EA	50
43714	0.1027	EA	50
43715	0.1059	EA	50
43716	0.1109	EA	50
43717	0.1339	EA	50
43718	0.1467	EA	50
43726	0.1687	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
43728.....	0.1776	EA	25
43730.....	0.2193	EA	25
438.....	3.8120	EA	5
4381.....	0.3952	EA	25
4384.....	0.4767	EA	25
4385.....	0.2998	EA	25
4386.....	0.1608	EA	25
438A.....	3.4620	EA	5
439.....	2.9920	EA	5
4391.....	0.4833	EA	50
4397-1.....	0.1370	EA	50
4397.....	0.3158	EA	50
4398-1.....	0.1128	EA	50
4398.....	0.2130	EA	50
43981.....	20.7565	LB	1
43981BLK.....	0.0588	EA	100
43983.....	18.3445	LB	1
43983BLK.....	0.0620	EA	100
43984.....	15.9325	LB	1
43984BLK.....	0.0742	EA	100
43985.....	10.3435	LB	1
43985BLK.....	0.1653	EA	100
43986.....	13.8507	LB	1
43987.....	10.5608	LB	1
43989.....	14.8068	LB	1
43990.....	15.7847	LB	1
44.....	7.3147	EA	5
440.....	3.0760	EA	5
4400.....	2.6761	EA	10
440000.....	0.1485	EA	100
440001.....	0.1485	EA	100
440002.....	0.1485	EA	100
440003.....	0.2542	EA	100
440004.....	0.3725	EA	100
440005.....	0.4324	EA	100
440006.....	0.7350	EA	50
440007.....	0.8735	EA	50
440008.....	1.5689	EA	25
440009.....	2.3589	EA	10
440010.....	3.3508	EA	5
440011.....	5.2296	EA	5
440012.....	0.1423	EA	100
440013.....	0.2542	EA	100
440014.....	0.3725	EA	100
440015.....	0.3952	EA	100
440016.....	0.7519	EA	50
440017.....	0.8735	EA	50
440018.....	1.5689	EA	25
440019.....	2.2048	EA	10
440020.....	6.1170	EA	5
440021.....	5.2296	EA	5
440030.....	0.7621	EA	50
440031.....	0.8055	EA	50
440032.....	0.8196	EA	50
440033.....	1.0182	EA	25
440034.....	1.7645	EA	25
440035.....	2.1035	EA	10
440036.....	5.4021	EA	10
440037.....	10.8780	EA	5
440038.....	15.1762	EA	5
440039.....	0.8208	EA	50
440040.....	1.0204	EA	25
440041.....	1.7645	EA	25
440042.....	2.1035	EA	10
440043.....	5.4021	EA	10
44009.....	1.2915	EA	50
44010.....	1.8685	EA	50
44011.....	1.2900	EA	50
44012.....	1.1718	EA	50
44018.....	1.8826	EA	50
44019.....	0.2201	EA	50
44020-12.....	6.8908	EA	12
44021.....	0.2275	EA	50
44023.....	0.2550	EA	50
44025.....	0.2811	EA	50
44027.....	0.3249	EA	50
44029.....	2.3704	EA	50
44030.....	0.4023	EA	50
44031.....	0.6328	EA	50
44050.....	0.3509	EA	50
44051.....	0.4023	EA	50
44053.....	0.4313	EA	50
44055.....	0.4654	EA	50
44056.....	0.5048	EA	50
44057.....	0.5405	EA	50
44059.....	0.5777	EA	50
44061.....	0.6446	EA	50
44063.....	0.7168	EA	25
44071.....	0.5673	EA	50
44072.....	0.6134	EA	50
44075.....	0.6543	EA	50
44076.....	0.7093	EA	50
44077.....	0.7651	EA	50
44078.....	0.8127	EA	50
44079.....	0.8840	EA	50
44080.....	0.9309	EA	50
44081.....	0.9971	EA	50
44083.....	1.1197	EA	50
44085.....	1.3049	EA	25
44087.....	1.8365	EA	25
44090.....	1.0224	EA	25
44091.....	1.0759	EA	25
44092.....	1.2372	EA	25
44093.....	1.3882	EA	25
44097.....	1.5317	EA	25
44098.....	1.6581	EA	25
440A.....	0.2576	EA	50
441.....	3.0360	EA	5
44101.....	1.8328	EA	25
44103.....	2.1056	EA	25
44118.....	2.0715	EA	10
44119.....	2.3897	EA	10
44120.....	2.6455	EA	10
44121.....	2.8789	EA	10
44122.....	3.3050	EA	10
44123.....	3.6529	EA	5
44124.....	3.9585	EA	5
44125.....	4.5072	EA	5
44133.....	3.9570	EA	10
44134.....	4.2366	EA	10
44135.....	4.6158	EA	10
44136.....	5.1050	EA	10
44137.....	5.6114	EA	10
4415.....	0.6219	EA	25
44183.....	0.3085	EA	50
44185.....	0.3502	EA	50
44187.....	0.6715	EA	50
44188.....	0.3469	EA	50
44189.....	0.4343	EA	50
44190.....	0.4877	EA	25
44191.....	0.6731	EA	25
44192.....	0.5998	EA	25
44193.....	0.8162	EA	25
44194.....	1.3472	EA	25
44196.....	5.2065	EA	25
44197.....	0.7935	EA	50
44198.....	0.8920	EA	50
441A.....	0.3232	EA	50
442.....	3.3640	EA	5
4420.....	0.7819	EA	25
4424.....	0.5778	EA	15
4428.....	0.7481	EA	25
4429.....	0.5056	EA	25
442A.....	0.3057	EA	50
443.....	4.2240	EA	5
44300.....	0.2367	EA	100
44301.....	0.2443	EA	100
44302.....	0.2468	EA	100
44303.....	0.2958	EA	100
44304.....	0.3061	EA	100
44310.....	0.2608	EA	100
44311.....	0.2668	EA	100
44312.....	0.2704	EA	100
44313.....	0.2958	EA	100
44314.....	0.3453	EA	50
44315.....	0.3666	EA	50
4432.....	1.0292	EA	10
44320.....	0.2539	EA	50
44321.....	0.2597	EA	50
44322.....	0.2713	EA	50
44323.....	0.2958	EA	50
44324.....	0.3146	EA	50
44325.....	0.3452	EA	50
44326.....	0.4117	EA	25
44327.....	0.5412	EA	25
44330.....	0.3646	EA	100
44331.....	0.3839	EA	100
44332.....	0.4011	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
44333	0.4243	EA	50
44334	0.4473	EA	50
44335	0.5412	EA	50
44336	0.7303	EA	50
44338	1.1422	EA	25
4434	0.3820	EA	25
443A	0.6359	EA	50
444	1.6536	EA	5
4441	0.1450	EA	50
44413	2.1826	EA	50
44414	2.1863	EA	50
44415	2.1945	EA	50
44416	2.9477	EA	50
44417	3.9961	EA	50
44418	3.6221	EA	50
44419	2.2726	EA	50
4442	0.1450	EA	50
44420	2.3418	EA	50
44421	7.4052	EA	50
44422	16.6784	EA	50
44423	16.1810	EA	50
44424	16.6360	EA	50
44427-1	0.2680	EA	50
44427	0.1178	EA	50
44428	0.2643	EA	50
44429	0.2933	EA	50
44430	0.2699	EA	50
44432	0.2879	EA	25
44434	0.3075	EA	25
44436	0.3197	EA	25
44437	0.3333	EA	25
44438	0.3491	EA	25
44439	0.3661	EA	25
4444	0.1450	EA	50
44441	0.3961	EA	25
44443	0.5335	EA	25
44444	0.9729	EA	25
44446	1.0457	EA	25
44450-1	2.3573	EA	50
44451	0.3647	EA	50
44452	0.3617	EA	50
44453	0.3714	EA	50
44454	0.3743	EA	50
44456	0.3916	EA	50
44458	0.4103	EA	25
44460	0.4338	EA	25
44461	0.4558	EA	25
44462	0.4784	EA	25
44463	0.5320	EA	25
44465	0.5654	EA	25
44467	0.6651	EA	25
44468	0.7929	EA	25
44470	1.2844	EA	25
44475	0.4700	EA	50
44476	0.4968	EA	50
44478	0.5522	EA	50
4448	0.3475	EA	50
44480	0.5843	EA	25
44481	0.6010	EA	25
44483	0.6333	EA	25
44484	0.6863	EA	25
44485	0.7176	EA	25
44486	0.8413	EA	25
44487	0.8788	EA	25
44488	1.0032	EA	25
44489	1.0579	EA	25
44490	1.1625	EA	25
44491	1.2012	EA	25
44493	1.2237	EA	25
44495	1.2592	EA	25
44499	0.7381	EA	25
445	2.2960	EA	10
4450	0.5402	EA	50
44501	0.7844	EA	25
44503	0.8649	EA	25
44504	0.9219	EA	25
44505	0.9598	EA	25
44506	1.1135	EA	25
44507	1.1423	EA	25
44508	1.2671	EA	10
44509	1.3383	EA	10
4451	1.1353	EA	25
44511	1.4781	EA	10
44513	1.6804	EA	10
44515	1.8596	EA	10
44517	1.9656	EA	10
44519	1.8384	EA	50
44520	2.0384	EA	50
44521	2.1938	EA	25
44522	2.4778	EA	25
44523	2.7789	EA	25
44524	2.9752	EA	25
44567	1.5763	EA	10
44568	1.9232	EA	10
44570	2.0822	EA	10
44572	2.2200	EA	10
44574	2.3578	EA	10
44576	3.5344	EA	10
44578	3.7252	EA	5
44580	4.1386	EA	5
44582	4.3188	EA	5
445A	0.2418	EA	50
4461	1.0229	EA	25
44630	4.8276	EA	10
44632	5.0502	EA	10
44634	6.2374	EA	10
44636	6.4918	EA	10
44638	6.7992	EA	10
4464	0.4369	EA	25
44640	7.1808	EA	5
44642	7.4458	EA	5
44644	8.0606	EA	3
44646	8.7178	EA	3
44648	10.9860	EA	3
44660	7.3716	EA	5
44661	7.8592	EA	5
44662	8.3044	EA	5
44663	8.6754	EA	5
44664	9.0994	EA	3
44665	9.5128	EA	3
44666	9.7884	EA	3
44669	12.6928	EA	3
44680	22.0206	EA	5
44681	19.5752	EA	5
44682	30.1251	EA	5
44683	21.8652	EA	5
44684	23.7999	EA	3
44687	28.8039	EA	3
447	3.6080	EA	5
4478	0.2260	EA	25
448	6.1520	EA	5
4482	0.3063	EA	25
45	0.9220	EA	10
4501	0.1772	EA	50
4502	0.2003	EA	50
4503	0.2174	EA	50
4504	0.2342	EA	50
45040	65.6776	EA	1
45045	35.8280	EA	1
4505	0.2741	EA	50
4506	0.3029	EA	50
4508	0.3326	EA	50
45150	0.3286	EA	100
45151	0.4262	EA	50
45152	0.4281	EA	25
45153	0.6302	EA	25
451TC-4-RL	693.3600	EA	1
4520	0.3324	EA	50
45200	0.2655	EA	100
45201	0.2776	EA	100
45202	0.3198	EA	100
45203	0.3198	EA	100
45204	0.4538	EA	50
45205	0.5292	EA	50
45206	0.6602	EA	25
45207	0.7700	EA	25
45208	0.9521	EA	25
45209	0.9521	EA	25
4521	0.3781	EA	50
4522	0.4087	EA	50
45220	0.3238	EA	100
45221	0.3732	EA	100
45222	0.5292	EA	50
45223	0.6602	EA	25
45224	0.9521	EA	25
4523	0.4519	EA	50
45230	0.3448	EA	100
45231	0.3448	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
45232	0.3514	EA	100
45233	0.3582	EA	100
45234	0.3582	EA	100
45235	0.5607	EA	50
45236	0.5553	EA	50
45237	0.9998	EA	25
45238	0.9904	EA	25
45239	1.2286	EA	25
4524	0.4988	EA	50
4525	0.7359	EA	50
45250	0.7289	EA	100
45251	0.3633	EA	100
45252	0.3710	EA	100
45253	0.5816	EA	50
45254	1.0346	EA	25
45255	1.2778	EA	25
4526	0.5775	EA	50
4528	0.5890	EA	50
45291	1.8566	EA	10
45292	2.0140	EA	10
45294	2.0352	EA	10
45295	2.6288	EA	10
45296	6.4615	EA	10
45298	5.2998	EA	5
45299	6.1480	EA	5
45300-1	11.9462	EA	1
45300	6.1480	EA	5
45301	11.9462	EA	1
45302	11.9462	EA	1
45303	11.9462	EA	1
45304	11.9462	EA	1
45305	11.9462	EA	1
45306	11.9462	EA	1
45307	11.9462	EA	1
45308	11.9462	EA	1
45309	11.9462	EA	1
45314	4.9067	EA	5
45315	3.6382	EA	5
45320	11.9462	EA	1
45321	11.9462	EA	1
45322	11.9462	EA	1
45323	11.9462	EA	1
45324	13.8824	EA	1
45330	22.3978	EA	1
45331	22.3978	EA	1
45332	22.3978	EA	1
45333	22.3978	EA	1
45334	22.3978	EA	1
45335	22.3978	EA	1
45336	22.3978	EA	1
45337	22.3978	EA	1
45338	22.3978	EA	1
45339	22.3978	EA	1
45340	22.3978	EA	1
45350	19.5287	EA	1
45351	22.3978	EA	1
45352	22.3978	EA	1
45353	22.3978	EA	1
45354	22.3978	EA	1
45355	22.3978	EA	1
454	4.8800	EA	5
4540	0.4971	EA	50
45404	3.7418	EA	1
45406	4.0386	EA	1
45408	4.1764	EA	1
4541	0.5045	EA	50
45410	4.3354	EA	1
45412	5.1940	EA	1
45414	5.6286	EA	1
45416	6.9430	EA	1
4542	0.5338	EA	50
4543	0.6996	EA	50
45432	23.4896	EA	1
4544	0.8225	EA	50
4548	0.0487	EA	100
4549	0.0883	EA	100
455	5.0040	EA	5
4550	0.1602	EA	100
4551	0.1695	EA	50
4552	0.1486	EA	50
4553	0.2130	EA	50
4554	0.2024	EA	25
4555	0.2761	EA	25
4556	0.2966	EA	25
4557	0.1958	EA	25
4558	0.3226	EA	25
4559	0.2740	EA	25
456	5.6160	EA	5
4560	0.2912	EA	25
4561	0.3419	EA	25
4562	0.3777	EA	25
4563	0.4924	EA	25
4564	0.6069	EA	25
4565	0.6526	EA	25
4566	0.5891	EA	25
457	5.9040	EA	5
4570	0.5660	EA	25
4571	0.6129	EA	25
4572	0.6633	EA	25
4573	0.7602	EA	25
4574	0.7775	EA	25
4575	0.8570	EA	25
4576	0.8958	EA	25
4577	1.0391	EA	25
4578	1.5027	EA	25
457A	1.3780	EA	25
458	0.2121	EA	50
4580	0.1296	EA	50
4581	0.1421	EA	50
4582	0.2188	EA	50
45A	6.1209	EA	5
46-1201-	25.3694	EA	1
46-1202-	26.5426	EA	1
46-1203-	25.3694	EA	1
46-1205-	24.4476	EA	1
46-1301-	26.5912	EA	1
46-1302-	25.3694	EA	1
46-1303-	24.4476	EA	1
46	1.3940	EA	10
4608	4.5087	EA	10
4609	0.8105	EA	10
461	11.4800	EA	3
462	10.4533	EA	3
4620	1.8974	EA	6
4621	1.9928	EA	6
4622	2.1412	EA	6
4623	2.5283	EA	6
4624	2.7348	EA	6
4625	3.1800	EA	6
4626	3.5828	EA	6
4627	4.8301	EA	10
4628	0.8105	EA	10
462A	0.1064	EA	50
463	8.4733	EA	3
463A	0.1447	EA	50
464	12.6400	EA	3
46416	0.7109	EA	25
465	14.4500	EA	2
4651	0.1922	EA	25
4652	0.7805	EA	25
465A	0.1545	EA	50
4661	0.7520	EA	25
467	0.2183	EA	50
4670	0.6118	EA	25
468	0.1159	EA	50
4682	0.5377	EA	25
469	0.1595	EA	50
46980	0.0724	EA	100
46981	0.0987	EA	100
46982	0.1107	EA	100
46983	0.1798	EA	50
46984	0.1897	EA	50
46985	0.4522	EA	50
46986	0.7502	EA	25
46990	0.1559	EA	100
46991	0.1919	EA	100
46992	0.2709	EA	100
46993	0.3739	EA	50
46994	0.4718	EA	50
46995	0.7440	EA	50
46996	1.4585	EA	25
47	1.4960	EA	10
470-12010300	0.2131	EA	50
470-12015858	0.3690	EA	50
470-12066272	0.6199	EA	50
470-12066614	0.3825	EA	50
470-12084912	0.5877	EA	50
470-12084913	0.6191	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
470-12092344....	0.3230	EA	50
470-12092345....	0.3230	EA	50
470-12103360....	0.3690	EA	50
470-12110649....	0.8268	EA	50
470-12110652....	0.8268	EA	50
470-12110842....	0.3406	EA	50
470-12110843....	0.3406	EA	50
470-12110844....	0.3406	EA	50
470-12110845....	0.3230	EA	50
470-12110846....	0.3230	EA	50
470-12110847....	0.3230	EA	50
470-12124075....	0.3230	EA	50
470-12124076....	0.3230	EA	50
470-12129373....	0.3780	EA	50
470-12129409....	0.3230	EA	50
470-12129484....	0.3780	EA	50
470-12160551....	0.5578	EA	50
470-12186456....	0.3230	EA	50
470-12186457....	0.3230	EA	50
470.....	0.1693	EA	50
47000.....	0.4731	EA	100
47001.....	0.4750	EA	100
47002.....	0.4789	EA	100
47003.....	0.4833	EA	100
47004.....	0.4833	EA	100
47005.....	0.3581	EA	100
47010.....	0.3908	EA	100
47011.....	0.5265	EA	100
47012.....	0.5266	EA	100
47013.....	0.5319	EA	100
47014.....	0.5536	EA	100
47015.....	0.6242	EA	100
47020.....	0.3557	EA	50
47021.....	0.5693	EA	50
47022.....	0.5716	EA	50
47023.....	0.5918	EA	50
47024.....	0.6731	EA	50
47025.....	0.7329	EA	50
47026.....	0.7578	EA	50
47027.....	0.5783	EA	50
47028.....	0.8287	EA	50
47030.....	0.8056	EA	25
47031.....	1.0388	EA	25
47032.....	1.1130	EA	25
47033.....	1.2826	EA	25
47034.....	1.3780	EA	25
47035.....	1.7914	EA	25
47036.....	1.7066	EA	25
47054.....	0.3987	EA	100
47055.....	0.4604	EA	100
47056.....	0.4924	EA	100
471.....	0.1834	EA	50
47104.....	0.7587	EA	50
47105.....	0.7823	EA	50
47106.....	0.8988	EA	50
47107.....	0.9127	EA	50
47108.....	1.0159	EA	50
47110.....	1.1942	EA	25
47112.....	1.3802	EA	25
47113.....	1.8028	EA	25
47116.....	1.2329	EA	50
47117.....	1.3137	EA	50
47118.....	1.4490	EA	50
4712.....	0.4715	EA	25
47147.....	1.8893	EA	25
47148.....	1.9166	EA	25
47149.....	1.9768	EA	25
47150.....	2.0209	EA	25
47151.....	2.0757	EA	25
47153.....	2.4415	EA	25
47159.....	1.6794	EA	25
4716.....	0.4863	EA	50
47160.....	2.0083	EA	25
47161.....	2.1293	EA	25
47162.....	2.3272	EA	25
47171.....	4.5633	EA	10
47172.....	5.0885	EA	10
47173.....	6.6847	EA	10
47174.....	7.1747	EA	10
47175.....	7.6055	EA	10
47176.....	7.7793	EA	10
471TC-10.....	1569.6925	EA	1
471TC-12.....	1700.1207	EA	1
471TC-16.....	1166.5661	EA	1
471TC-4.....	1476.9397	EA	1
471TC-6.....	5025.3116	EA	1
471TC-8.....	6447.8952	EA	1
472.....	0.1943	EA	50
47200.....	0.0095	EA	100
47201.....	0.0109	EA	100
47202.....	0.0136	EA	100
47203.....	0.0188	EA	100
47204.....	0.0549	EA	100
47205.....	0.0736	EA	50
47206.....	0.0847	EA	50
47207.....	0.1837	EA	50
47208.....	0.2284	EA	25
47209.....	0.9247	EA	25
47210.....	0.5117	EA	10
47211.....	0.6285	EA	10
47212.....	0.2729	EA	50
47213.....	0.2835	EA	50
47214.....	0.3190	EA	50
47215.....	0.5316	EA	50
47216.....	1.0101	EA	50
47217.....	1.6835	EA	50
4722.....	0.1515	EA	25
4724.....	0.3664	EA	25
4729.....	0.2811	EA	25
47297.....	0.1334	EA	50
47298.....	0.1363	EA	50
47299.....	0.1223	EA	50
472TC-20.....	3057.0294	EA	1
473.....	0.1995	EA	50
47300.....	0.1321	EA	50
47302.....	0.1330	EA	50
47303.....	0.1343	EA	50
47304.....	0.1375	EA	50
47305.....	0.1402	EA	50
47306.....	0.1442	EA	50
47307.....	0.1554	EA	50
47308.....	0.1768	EA	50
47309.....	0.1994	EA	50
47310.....	0.2987	EA	50
47311.....	0.1393	EA	50
47312.....	0.1407	EA	50
47313.....	0.1424	EA	50
47314.....	0.1479	EA	50
47315.....	0.1534	EA	50
47316.....	0.1697	EA	50
47317.....	0.1873	EA	50
47318.....	0.2053	EA	50
47319-1.....	0.2755	EA	50
47319.....	0.3151	EA	50
47320-1.....	0.3086	EA	50
47320-2.....	0.4083	EA	50
47320-3.....	0.7246	EA	50
47320-4.....	0.2544	EA	50
47320.....	0.2519	EA	50
47321.....	0.2570	EA	50
47322.....	0.2599	EA	50
47323.....	0.2737	EA	50
47324.....	0.3053	EA	50
47325.....	0.3151	EA	50
47326.....	0.3418	EA	50
47327.....	0.3697	EA	50
47328.....	0.3895	EA	50
47329-1.....	0.4592	EA	50
47329-2.....	0.5143	EA	50
47329-3.....	0.5915	EA	50
47329-4.....	0.7822	EA	25
47329.....	0.4100	EA	50
4733.....	0.3526	EA	25
47330.....	0.4869	EA	50
47331.....	0.4926	EA	50
47332.....	0.5202	EA	50
47333.....	0.5474	EA	25
47334.....	0.6022	EA	25
47335.....	0.6296	EA	25
47336.....	0.6558	EA	25
47337.....	0.6843	EA	25
47338.....	0.7346	EA	25
47339-1.....	0.9037	EA	25
47339-2.....	1.0392	EA	25
47339-3.....	1.1951	EA	25
47339-4.....	1.3744	EA	25
47339.....	0.7858	EA	25
4734.....	1.3674	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
47340.....	0.7500	EA	25
47341.....	0.7576	EA	25
47342.....	0.7667	EA	25
47343.....	0.7857	EA	25
47344.....	0.8075	EA	25
47345.....	0.9031	EA	25
47346.....	0.9694	EA	25
47347.....	1.0370	EA	25
47348.....	1.1926	EA	25
47349-1.....	1.5771	EA	25
47349-2.....	1.8137	EA	5
47349.....	1.3714	EA	25
4735.....	0.6835	EA	25
47350.....	1.2627	EA	25
47351.....	1.4142	EA	25
47352.....	1.5839	EA	25
47353.....	1.7756	EA	10
47354.....	1.9885	EA	10
47355.....	2.2255	EA	10
47356.....	2.4934	EA	5
47357-1.....	3.1253	EA	5
47357-2.....	3.5031	EA	5
47357.....	2.7922	EA	5
47358.....	3.9221	EA	5
47359.....	4.6605	EA	5
4736.....	0.3331	EA	50
47360.....	3.3932	EA	5
47361.....	3.5065	EA	5
47362.....	3.7092	EA	5
47363.....	4.1556	EA	5
47364.....	4.6536	EA	5
47365.....	5.2100	EA	5
47366.....	6.5357	EA	5
47367.....	7.7652	EA	5
47368.....	6.9272	EA	1
4737.....	0.4571	EA	50
47377.....	22.3648	EA	1
4738.....	0.8236	EA	25
47380.....	0.0296	EA	100
47381.....	0.0323	EA	50
47382.....	0.0378	EA	50
47383.....	0.0430	EA	50
47385.....	0.0870	EA	50
47386.....	0.1843	EA	50
47387-1.....	0.4451	EA	25
47387.....	0.2034	EA	25
47388.....	0.6470	EA	25
47389-1.....	1.9164	EA	5
47389.....	1.0592	EA	25
47390.....	0.0111	EA	200
47391.....	0.0108	EA	100
47392.....	0.0111	EA	100
47393.....	0.0204	EA	100
47395.....	0.0466	EA	100
47396.....	0.0852	EA	100
47397-1.....	0.1766	EA	50
47397.....	0.1036	EA	50
47398.....	0.2208	EA	50
47399-1.....	0.6704	EA	25
47399.....	0.3489	EA	25
47400.....	0.1962	EA	100
47401.....	0.1978	EA	100
47402.....	0.2035	EA	100
47403.....	0.2071	EA	100
47404.....	0.2144	EA	100
47405.....	0.2309	EA	100
47410.....	0.0303	EA	50
47411.....	0.0316	EA	50
47412.....	0.0326	EA	50
47413.....	0.0379	EA	50
47414.....	0.0465	EA	50
47415.....	0.0701	EA	50
47416.....	0.0783	EA	25
47417.....	0.1875	EA	25
47418.....	0.2361	EA	10
47419.....	0.4717	EA	10
4742.....	1.1130	EA	25
47420.....	0.6450	EA	5
47421.....	1.1337	EA	5
4743.....	1.2614	EA	25
475.....	0.8515	EA	25
4750.....	1.0116	EA	25
47500.....	0.2986	EA	50
47501.....	0.3523	EA	50
47502.....	0.3756	EA	50
47503.....	0.4132	EA	100
47504.....	0.4139	EA	50
47505.....	0.4456	EA	50
47506.....	0.5296	EA	50
47507.....	0.4829	EA	50
47509.....	0.4928	EA	50
4751.....	1.3674	EA	25
47511.....	0.5028	EA	50
47520.....	0.3629	EA	50
47521.....	0.3768	EA	50
47522.....	0.3873	EA	50
47523.....	0.3926	EA	50
47524.....	0.4397	EA	50
47525.....	0.4840	EA	50
47526.....	0.5475	EA	50
47527.....	0.5598	EA	50
47528.....	0.4744	EA	50
47529-1.....	0.5892	EA	50
47529.....	0.6077	EA	50
47530.....	0.3723	EA	50
47531.....	0.5410	EA	50
47532.....	0.3873	EA	50
47533.....	0.4397	EA	50
47534.....	0.4840	EA	50
47535.....	0.5410	EA	50
47536.....	0.5709	EA	50
47537.....	0.6056	EA	50
47538-1.....	0.5776	EA	50
47538.....	0.6583	EA	50
47539-1.....	0.9253	EA	50
47539-2.....	1.0388	EA	50
47539-3.....	1.3780	EA	25
47539-4.....	1.7384	EA	25
47539.....	0.7632	EA	50
47540.....	0.8692	EA	50
47541.....	0.9222	EA	50
47542.....	0.9010	EA	50
47543.....	0.9752	EA	50
47544.....	0.8998	EA	50
47545.....	1.1660	EA	50
47546.....	0.9960	EA	50
47547.....	1.4628	EA	50
47548.....	1.4184	EA	50
47549-1.....	2.1624	EA	25
47549-2.....	2.2154	EA	25
47549-3.....	2.3850	EA	25
47549-4.....	2.5864	EA	10
47549.....	1.9504	EA	25
47550.....	1.1554	EA	50
47551.....	1.4204	EA	50
47552.....	1.7066	EA	50
47553.....	1.9292	EA	50
47554.....	1.8762	EA	50
47555.....	2.0352	EA	50
47556.....	2.6606	EA	25
47557.....	2.7666	EA	25
47558.....	2.8514	EA	25
47559-1.....	3.0528	EA	25
47559-2.....	3.2118	EA	25
47559-3.....	3.7842	EA	10
47559-4.....	3.9856	EA	10
47559.....	2.9150	EA	25
47560.....	2.4698	EA	25
47561.....	2.5122	EA	25
47562.....	2.1362	EA	25
47563.....	2.9256	EA	25
47564.....	3.5086	EA	25
47565.....	4.1764	EA	25
47566.....	4.4414	EA	25
47567.....	5.1410	EA	10
47568.....	5.3212	EA	10
47569.....	5.3848	EA	10
47570.....	5.5968	EA	10
47571.....	6.1162	EA	10
47574.....	6.4361	EA	5
47575.....	6.6421	EA	5
47576.....	6.7417	EA	5
47577.....	7.0062	EA	5
47581.....	12.1372	EA	1
47582.....	12.3879	EA	1
47583.....	12.8721	EA	1
47585.....	13.4835	EA	1
47586.....	15.7742	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
47600	0.1278	EA	100
47601	0.1261	EA	100
47602	0.1245	EA	100
47605	0.1649	EA	50
476060	0.7212	EA	25
47607	0.1896	EA	50
47610	0.1484	EA	100
476108	0.7214	EA	25
47611	0.0767	EA	100
476112	0.7359	EA	25
476115	0.7891	EA	25
47612	0.1731	EA	50
476132	0.7313	EA	25
476136	0.7552	EA	25
476138	0.7951	EA	25
476140	2.4391	EA	10
476142	0.9700	EA	25
47615	0.6536	EA	50
476150	3.0079	EA	10
476168	0.7227	EA	25
47617	0.2432	EA	50
476178	0.7577	EA	25
476180	0.8064	EA	25
476182	0.8064	EA	25
476184	0.8484	EA	25
476188	0.9955	EA	25
47619	0.3132	EA	50
476204	0.8064	EA	25
47622	0.1158	EA	50
476228	0.8742	EA	25
47623	0.7159	EA	50
476230	0.9332	EA	25
476232	0.9780	EA	25
476234	1.1192	EA	25
476236	1.2629	EA	25
47626	0.3132	EA	50
476270	1.6604	EA	25
47628	0.3833	EA	25
47630	0.5522	EA	25
47632	2.0883	EA	25
47635	0.4080	EA	25
47638	0.6677	EA	25
47640	0.7789	EA	25
47642	1.0880	EA	25
47644	2.4213	EA	10
47646	3.5694	EA	10
47649	0.6924	EA	10
47654	1.3641	EA	10
47656	1.8752	EA	10
47658	5.9041	EA	10
47660	7.4830	EA	10
47663	0.9974	EA	10
47668	2.6211	EA	10
47670	6.0364	EA	5
47672	3.9152	EA	5
47674	0.7624	EA	5
47676	13.8088	EA	5
477	0.3523	EA	50
4770	0.7200	EA	25
4772	0.7013	EA	25
4775	0.7420	EA	25
4777	0.5366	EA	25
478	0.2908	EA	25
4781	0.3636	EA	25
4782	0.3636	EA	25
4783	0.4274	EA	25
47900	0.5522	EA	50
47901	0.5577	EA	50
47902	0.5863	EA	50
47903	0.6232	EA	50
47910	0.4738	EA	50
47911	0.4888	EA	50
47912	0.5361	EA	50
47913	0.5585	EA	50
47914	0.6085	EA	50
47920	0.1578	EA	50
47921	0.1637	EA	50
47922	0.1696	EA	50
47923	0.1857	EA	50
47926	0.2720	EA	50
47930	0.1637	EA	50
47931	0.1696	EA	50
47932	0.1755	EA	50
47933	0.1979	EA	50
47934	0.2150	EA	50
47936	0.2907	EA	50
47938	0.3587	EA	50
47940	0.1799	EA	50
47941	0.1840	EA	50
47942	0.1950	EA	50
47943	0.2086	EA	50
47945	0.2955	EA	50
47947	0.3626	EA	50
47949	0.4746	EA	50
47955	0.2309	EA	50
47958	0.2998	EA	50
47960	0.3999	EA	50
47962	0.5375	EA	25
47964	0.7491	EA	25
47970	0.2900	EA	50
47973	0.3899	EA	50
47975	0.4856	EA	50
47977	0.6500	EA	25
47979	0.7905	EA	25
47985	0.5500	EA	25
47987	0.6594	EA	25
47989	0.8268	EA	10
47991	0.9328	EA	10
47993	1.5158	EA	10
47995	1.0388	EA	10
47997	1.3038	EA	10
47998	1.7596	EA	10
47999	2.1836	EA	10
4802	0.0872	EA	25
4803	0.1216	EA	25
4804	0.0913	EA	25
4805	0.8767	EA	25
4807	0.1187	EA	25
4808	0.1196	EA	25
4809	0.1633	EA	25
4810	0.1715	EA	25
4812	0.1891	EA	25
48120	0.0698	EA	100
48121	0.0710	EA	100
48122	0.0827	EA	100
48123	0.0850	EA	100
48124	0.0883	EA	100
48125	0.0853	EA	100
48126	0.0879	EA	100
48127	0.1024	EA	100
48128	0.0930	EA	100
48129	0.1029	EA	100
4813	0.1902	EA	25
48130	0.0943	EA	100
48131	0.1539	EA	100
48132	0.0984	EA	100
48133	0.1147	EA	100
48134	0.1746	EA	100
48135	0.2005	EA	100
48136	0.2751	EA	100
48137	0.1147	EA	100
48138	0.1178	EA	100
48139	0.2158	EA	100
48140	0.2683	EA	100
48141	0.3423	EA	100
48142	0.1696	EA	100
48143	0.2007	EA	100
48144	0.3611	EA	100
48145	0.3818	EA	100
48146	0.4550	EA	100
48147	0.6168	EA	100
4815	0.2979	EA	25
48150	0.0878	EA	100
48151	0.0922	EA	100
48152	0.0882	EA	100
48153	0.0936	EA	100
48154	0.1057	EA	100
48155	0.1945	EA	100
48156	0.1999	EA	100
48157	1.8536	EA	50
48158	1.2238	EA	50
4816	0.3028	EA	25
4818	0.5200	EA	25
4819	0.3145	EA	25
48200	0.0214	EA	100
48201	0.0216	EA	100
48202	0.1365	EA	100
48204	0.1395	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
48210	0.3040	EA	100
48211	0.1344	EA	100
48212	0.3231	EA	100
48213	0.1661	EA	100
48214	0.0239	EA	100
48215	0.3304	EA	100
48216	0.3482	EA	100
4822	0.5119	EA	25
48220	0.1372	EA	100
48221	0.1540	EA	100
48222	0.1556	EA	100
48223	0.1563	EA	100
48224	0.1570	EA	100
48225	0.1586	EA	100
48226	0.1638	EA	100
48227	0.1690	EA	100
48228	0.2010	EA	100
48230	0.2400	EA	100
48231	0.2974	EA	100
48232	0.2559	EA	100
48233	0.0174	EA	100
48234	0.2664	EA	100
48235	0.4022	EA	100
48236	0.4827	EA	100
48237	0.5875	EA	100
48240	0.1292	EA	100
48241	0.1320	EA	100
48242	0.1374	EA	100
48243	0.1447	EA	100
48244	0.1868	EA	100
48245	0.2155	EA	100
48250	0.2339	EA	100
48251	0.2818	EA	100
48255	0.3996	EA	100
48256	0.4293	EA	100
48257	0.4636	EA	100
48260	0.2846	EA	100
48261	0.3334	EA	100
48262	0.3476	EA	100
48263	0.3601	EA	100
48265	0.2314	EA	100
48266	0.2440	EA	100
48267	0.2394	EA	100
48268	0.0209	EA	100
48269	0.1368	EA	100
48270	0.0342	EA	100
48276	0.2989	EA	100
48277	0.3501	EA	100
48278	0.3571	EA	100
48279	0.3642	EA	100
48280	0.2989	EA	100
48281	0.3571	EA	100
48282	0.3642	EA	100
48290	0.3657	EA	100
48291	0.3697	EA	100
48292	0.1618	EA	100
48293	0.1621	EA	100
48294	0.1624	EA	100
48295	0.0321	EA	100
48300	0.3657	EA	100
48301	0.3697	EA	100
48302	0.3736	EA	100
48303	0.1624	EA	100
48304	0.4013	EA	100
48305	0.6106	EA	100
48306	0.1811	EA	100
48310	0.5458	EA	100
48311	0.3262	EA	100
48312	0.3302	EA	100
48313	0.1624	EA	100
48314	0.3333	EA	100
48315	0.3594	EA	100
48316	0.1810	EA	100
48317	0.5553	EA	100
48318	0.1811	EA	100
48319	0.6604	EA	100
48320	0.3191	EA	100
48321	0.3231	EA	100
48322	0.3065	EA	100
48323	0.3262	EA	100
48324	0.3547	EA	100
48325	0.1811	EA	100
48326	0.5782	EA	100
48327	0.1930	EA	100
48330	0.1568	EA	100
48331	0.1624	EA	100
48332	0.1583	EA	100
48333	0.2078	EA	100
48335	0.1568	EA	100
48336	0.1624	EA	100
48337	0.1583	EA	100
48339	0.1811	EA	100
48340	0.1930	EA	100
48345	0.2155	EA	100
48350	0.1527	EA	100
48351	0.1557	EA	100
48352	0.1625	EA	100
48353	0.1939	EA	100
48354	0.1983	EA	100
483543	0.3354	EA	25
48355	0.2125	EA	100
48356	0.2483	EA	100
48357	0.3098	EA	100
48358	0.3793	EA	100
48360	0.1527	EA	100
48361	0.1557	EA	100
48362	0.1625	EA	100
48363	0.1777	EA	100
48364	0.1983	EA	100
48365	0.2195	EA	100
48370	0.1201	EA	100
48371	0.1211	EA	100
48372	0.1244	EA	100
48373	0.1539	EA	100
48374	0.2509	EA	100
48375	0.2939	EA	100
48376	0.3380	EA	100
48377	0.3887	EA	100
48380	0.2923	EA	100
48381	0.3215	EA	100
48382	0.3531	EA	100
48383	0.4495	EA	100
48384	0.5782	EA	100
48390	0.1271	EA	100
48391	0.1277	EA	100
48392	0.1309	EA	100
48393	0.1617	EA	100
48394	0.3137	EA	100
48395	0.3921	EA	100
48396	0.4902	EA	100
48397	0.6127	EA	100
48398	0.7658	EA	100
484	0.3563	EA	50
48400	0.1271	EA	100
48401	0.1277	EA	100
48402	0.1309	EA	100
48403	0.1617	EA	100
48404	0.3137	EA	100
48405	0.3921	EA	100
48406	0.4902	EA	100
48407	0.6127	EA	100
48408	0.7658	EA	100
48409-1	1.0580	EA	25
48409-2	1.4072	EA	10
48409-3	1.9041	EA	10
48409-4	4.2427	EA	5
48409-5	4.7518	EA	5
48409-6	6.3571	EA	5
48409-7	6.6749	EA	5
48409-8	7.0087	EA	5
48409-9	7.7344	EA	5
48410	0.2765	EA	100
48411	0.0503	EA	100
48415	0.2792	EA	100
48416	0.1235	EA	100
48417	0.1470	EA	100
48418	0.3803	EA	100
4842	0.0732	EA	25
48420	0.1143	EA	100
48421	0.1438	EA	100
48422	0.1262	EA	100
48423	0.0503	EA	100
48424	0.3253	EA	100
48425	0.2630	EA	100
48426	0.0770	EA	100
48427	0.1543	EA	100
48428	0.2630	EA	100
48429	0.1167	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
48430	0.1268	EA	100
48431	0.1367	EA	100
48435	0.3033	EA	100
48436	0.3165	EA	100
48437	0.1352	EA	100
48438	0.3561	EA	100
48439	0.3710	EA	100
4844	0.0845	EA	25
48440	0.1301	EA	100
48441	0.1543	EA	100
48442	0.2523	EA	100
48443	0.2928	EA	100
48444	0.1386	EA	100
48445	0.3561	EA	100
48450	0.2000	EA	100
48451	0.2181	EA	100
48452	0.2264	EA	100
48453	0.2594	EA	100
48454	0.2901	EA	100
48455	0.0218	EA	100
48456	0.3803	EA	100
48457	0.3886	EA	100
4846	0.0872	EA	25
48460	0.0640	EA	100
48461	0.2073	EA	100
48462	0.2218	EA	100
48463	0.2509	EA	100
4847	0.0920	EA	25
48470	0.1028	EA	100
48471	0.0789	EA	100
48472	0.0801	EA	100
48473-1	0.1442	EA	100
48473	0.0934	EA	100
48476	0.2348	EA	100
48477	0.2560	EA	100
4848	0.1130	EA	25
48480	0.1837	EA	100
48481	0.1952	EA	100
48482	0.2356	EA	100
48483	0.2664	EA	100
48484	0.0263	EA	100
48485	0.1400	EA	100
48486	0.3184	EA	100
48487	0.3406	EA	100
4849	0.1081	EA	25
48490	0.0620	EA	100
48491	0.0626	EA	100
48492	0.0657	EA	100
48494	0.3035	EA	100
48495	0.0860	EA	100
48496	0.0621	EA	100
48497	0.0651	EA	100
48498	0.0678	EA	100
48499	0.2977	EA	100
4850	0.1216	EA	25
48500	0.3904	EA	100
48501	0.5099	EA	100
48505	0.0614	EA	100
48506	0.0862	EA	100
48507	0.1098	EA	100
48508	0.1411	EA	100
48509	0.1960	EA	100
4851	0.1240	EA	25
48510	0.2274	EA	100
48515	0.2531	EA	100
48516	0.2630	EA	100
48517	0.1654	EA	100
48518	0.4903	EA	100
48519	0.6030	EA	100
4852	0.2018	EA	25
48520	0.7417	EA	100
48525	0.1622	EA	100
48526	0.4903	EA	100
48527	0.6030	EA	100
48528	0.7974	EA	100
4853	0.1446	EA	25
48530	0.2274	EA	100
48531	0.2509	EA	100
48532	0.2744	EA	100
48533	0.3009	EA	100
48534	0.3371	EA	100
48535	0.3606	EA	100
48536	0.4217	EA	100
48537	0.5175	EA	100
48538	0.6272	EA	100
48540	0.2501	EA	100
48541	0.2759	EA	100
48542	0.3041	EA	100
48543	0.3308	EA	100
48544	0.3709	EA	100
48545	0.3967	EA	100
48546-1	0.7830	EA	10
48546-2	0.8723	EA	10
48546-3	1.2948	EA	10
48546-4	2.1806	EA	5
48546-5	3.1182	EA	5
48546-6	1.9495	EA	10
48546	0.4138	EA	100
48547-1	5.0228	EA	5
48547-2	6.2785	EA	2
48547-3	7.8482	EA	2
48547	4.0182	EA	5
48548-1	4.2949	EA	2
48548-2	5.3686	EA	2
48548-3	7.5161	EA	2
48548-4	9.7710	EA	2
48548-5	1.4713	EA	10
48548-6	1.7515	EA	10
48548-7	1.8041	EA	10
48548-8	2.3821	EA	10
48548	3.4359	EA	5
48549-1	7.8263	EA	2
48549-10	2.5515	EA	5
48549-2	12.2288	EA	2
48549-3	1.2298	EA	10
48549-4	1.3146	EA	10
48549-5	1.3954	EA	5
48549-6	1.5478	EA	5
48549-7	1.7387	EA	5
48549-8	1.8913	EA	5
48549-9	2.3748	EA	5
48549	6.0188	EA	2
4855	0.2699	EA	25
48550	0.6829	EA	100
48551	0.7033	EA	100
48552	0.7204	EA	100
48553	1.2714	EA	100
48554	0.7440	EA	100
48555	0.1988	EA	100
48556	0.3916	EA	100
48557	1.8721	EA	100
4856	0.1470	EA	25
48560	0.2738	EA	100
48561	0.3338	EA	100
48562	1.3674	EA	100
48565	0.5250	EA	100
48566	0.5332	EA	100
48567	0.5453	EA	100
48568	0.5543	EA	100
48569	0.5836	EA	100
48570	1.7174	EA	100
48571	2.0349	EA	100
48576	0.6821	EA	100
48577	0.0456	EA	100
48578	1.2323	EA	100
4858	0.2850	EA	25
48580	0.7049	EA	100
48581	0.7269	EA	100
48582	0.7651	EA	100
48583	0.0456	EA	100
48585	0.6153	EA	100
48586	0.0374	EA	100
48587	0.6927	EA	100
48588	0.8148	EA	100
48589	1.1444	EA	100
48590	0.7480	EA	100
48591	0.9165	EA	100
48592	1.1057	EA	100
48593	1.1599	EA	100
48594	1.2519	EA	100
48595	0.1717	EA	100
48597	0.7073	EA	100
48598	0.7529	EA	100
486	0.4571	EA	50
4860	0.3369	EA	25
48601	0.0067	EA	100
48602	0.7855	EA	100
48603	0.0071	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
48604	0.9019	EA	100
48605	0.9890	EA	100
48610	0.0485	EA	100
48611	1.1908	EA	100
48616	0.1221	EA	100
48617	0.1229	EA	100
48618	0.9653	EA	100
48619	1.0053	EA	100
4862	0.2466	EA	25
48620	0.9035	EA	100
48621	1.0541	EA	100
48627	0.0069	EA	100
48630	0.2744	EA	100
48631	0.3136	EA	100
48632	0.5880	EA	100
48633	0.6664	EA	100
48635	0.0973	EA	100
48636	0.1134	EA	100
4864	1.2571	EA	25
48640	0.1098	EA	100
48641	0.0910	EA	100
48642	0.3293	EA	100
48643	1.3544	EA	100
48644	0.0770	EA	100
48645	2.6502	EA	100
48650	0.4535	EA	100
48651	0.0910	EA	100
48653	0.1568	EA	100
48654	0.3450	EA	100
48655	1.2507	EA	100
48656	0.4312	EA	100
48657	2.4474	EA	100
4866	0.9081	EA	25
48660	0.2324	EA	100
48661	0.2431	EA	100
48662	0.2587	EA	100
48663	0.2744	EA	100
48664	0.2979	EA	100
48665	0.3999	EA	100
48666	0.4704	EA	100
48667	0.5645	EA	100
4867	0.9571	EA	10
48670	0.3136	EA	100
48671	0.3434	EA	100
48672	0.3778	EA	100
48680	0.0810	EA	100
48681	0.0833	EA	100
48682	0.1100	EA	100
48683	0.0809	EA	100
48684	0.0888	EA	100
48685	0.0087	EA	100
48686	0.0902	EA	100
48687	0.1270	EA	100
48690	0.1141	EA	100
48691	0.1105	EA	100
48692	0.0958	EA	100
48695	0.1247	EA	100
48696	0.1276	EA	100
48697	0.1477	EA	100
48698	0.2034	EA	100
48699	0.2586	EA	100
487	0.5538	EA	50
48700	0.0891	EA	100
48701	0.1381	EA	100
48702	0.1477	EA	100
48703	0.2586	EA	100
4875	0.3289	EA	25
4876	0.1150	EA	25
488	0.7018	EA	50
489	0.8349	EA	50
49	1.6800	EA	5
49000	0.2382	EA	100
49001	0.2491	EA	100
49002	0.2563	EA	100
49003	0.2815	EA	100
49004	0.3031	EA	100
49005	0.3140	EA	100
49006	0.3212	EA	100
49007	0.3479	EA	50
49008	0.3551	EA	50
49009	0.4104	EA	50
4901	0.7212	EA	25
49010	0.4600	EA	50
49015	0.2089	EA	100
49016	0.2125	EA	100
49017	0.2138	EA	100
49018	0.3248	EA	100
49019	0.3543	EA	100
4902	0.1182	EA	50
49020	0.3688	EA	100
49021	0.4255	EA	50
49022	0.4128	EA	50
49023	0.4320	EA	50
49024	0.4897	EA	50
49025	0.5077	EA	50
4903	0.1143	EA	50
49030	0.3089	EA	100
49031	0.3500	EA	100
49032	0.3724	EA	100
49033	0.4056	EA	50
49034	0.4308	EA	50
49035	0.4536	EA	50
49036	0.4623	EA	50
49037	0.5238	EA	25
49038	0.5815	EA	25
49039	0.6032	EA	25
49040	0.6284	EA	25
49041	0.6450	EA	25
49042	0.7534	EA	25
49049	0.5762	EA	50
49050	0.6195	EA	50
49051	0.6748	EA	50
49052	0.7318	EA	25
49053	0.7642	EA	25
49054	0.8003	EA	25
49055	0.7960	EA	25
49056	0.8746	EA	25
49057	0.9720	EA	25
49058	1.2357	EA	10
49059	1.3386	EA	10
49060	1.5910	EA	10
49061	1.5910	EA	10
49062	2.5173	EA	10
49063	2.6156	EA	10
49070	0.6777	EA	25
49071	0.9590	EA	25
49072	1.0095	EA	25
49073	1.0455	EA	25
49074	1.0910	EA	25
49075	1.2177	EA	10
49076	0.2635	EA	10
49077	1.3331	EA	10
49078	1.4268	EA	10
49079	1.5386	EA	10
49080	1.6703	EA	10
49081	1.7857	EA	10
49082	1.8398	EA	10
49083	1.8540	EA	10
49084	1.9463	EA	10
49090	1.5685	EA	10
49091	1.5785	EA	10
49092	1.5878	EA	10
49093	1.5972	EA	10
49094	1.7379	EA	10
49095	1.8376	EA	10
49096	1.9254	EA	10
49097	1.9454	EA	10
49098	1.9950	EA	10
49099	1.9808	EA	10
49100	1.9973	EA	10
49101	2.0163	EA	10
49102	2.2110	EA	5
49103	2.4144	EA	5
49104	2.5630	EA	5
49105	3.1371	EA	5
49110	2.2798	EA	10
49111	2.3683	EA	10
49112	2.4728	EA	10
49113	2.5796	EA	10
49114	2.7305	EA	10
49115	3.1253	EA	5
49116	3.4248	EA	5
49117	3.7891	EA	5
49118	3.9335	EA	5
49119	3.9486	EA	5
49120	3.9717	EA	5
49121	5.5133	EA	5
49130	3.3455	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
49131	3.3131	EA	5
49132	3.6258	EA	5
49133	3.6527	EA	5
49134	3.6693	EA	5
49135	4.2542	EA	5
49136	4.5358	EA	5
49137	5.0551	EA	5
49138	5.4741	EA	5
49139	4.6747	EA	5
49140	5.1315	EA	5
49141	6.6393	EA	5
49150	13.1087	EA	5
49151	13.4977	EA	5
49152	13.7141	EA	5
49153	14.1949	EA	5
49154	14.7209	EA	5
49155	15.9801	EA	5
49160	15.3969	EA	5
49161	15.6373	EA	5
49162	16.0431	EA	5
49163	16.2836	EA	5
49164	16.6442	EA	5
49165	17.6933	EA	5
49170	4.3266	EA	5
49171	4.6391	EA	5
49172	4.8555	EA	5
49173	5.3652	EA	5
49174	5.7739	EA	5
49175	6.7836	EA	5
49180	6.7836	EA	5
49181	6.5906	EA	5
49182	7.2884	EA	5
49183	7.3846	EA	5
49184	7.4750	EA	5
49185	8.8511	EA	5
492	0.6292	EA	25
5	0.9066	EA	25
50	1.2720	EA	5
500	3.5404	EA	5
5000	0.1312	EA	100
5002	0.1312	EA	100
5003	0.1312	EA	100
5005	0.1436	EA	100
5006	0.1742	EA	100
5007	0.1784	EA	100
5008	0.2276	EA	100
5009	0.2276	EA	100
5010	0.2522	EA	100
50112	4.5095	EA	6
5014	0.1374	EA	100
5015	0.1374	EA	100
502	3.5404	EA	5
5021	0.2480	EA	100
5023	0.2480	EA	100
5024	0.2234	EA	100
5026	0.2788	EA	100
5027	0.3034	EA	100
5028	0.2850	EA	100
5029	0.0380	EA	100
503	0.1713	EA	25
5030	0.3650	EA	100
5031	0.3874	EA	100
5032	0.5044	EA	100
503240	5.4387	EA	1
5033	0.2480	EA	100
5034	0.2480	EA	100
5035	0.2480	EA	100
5036	0.2234	EA	100
5037	0.2850	EA	100
5038	0.2952	EA	100
5040	0.3014	EA	100
5041	0.3588	EA	100
5043	0.1866	EA	100
5044	0.1558	EA	100
5045	0.1374	EA	100
5046	0.2010	EA	100
5047	0.2132	EA	100
5048	0.2112	EA	100
5049	0.3382	EA	100
505	0.7767	EA	25
50512	0.2130	EA	100
5055L	8.2953	EA	1
5055M	8.1868	EA	1
5056	1.4512	EA	25
5057	1.4680	EA	25
5058	1.7960	EA	25
5059	0.1496	EA	100
5060	0.1578	EA	100
5062	0.2338	EA	100
5063	0.2912	EA	100
5066	0.1886	EA	100
5067	0.2522	EA	100
5068	0.2686	EA	100
5069	0.1660	EA	100
5070	0.2070	EA	100
5071	0.1968	EA	100
5072	0.3096	EA	100
5073	0.5576	EA	50
50758	8.4354	EA	10
50759	11.8918	EA	10
509	0.4340	EA	25
50A	0.2508	EA	50
51	1.6400	EA	5
510006	29.8809	EA	1
51115	0.7521	EA	25
5113	0.4286	EA	50
5114	0.4506	EA	50
5130	0.7314	EA	50
5131	0.8480	EA	50
5133	0.8480	EA	50
5135-P	0.5600	EA	25
5136-P	1.0070	EA	25
5136	0.4172	EA	50
51500	0.0703	EA	100
51501	0.1205	EA	100
51502	0.1353	EA	100
51504	0.3396	EA	50
51509	3.6171	EA	25
51521	0.1219	EA	100
51526	0.7923	EA	50
51527	1.0943	EA	25
5153	1.0812	EA	50
5154	0.4836	EA	50
51550	24.5214	EA	10
51551	33.1271	EA	10
51552	38.1600	EA	10
5159	1.7215	EA	25
5162	1.1465	EA	25
5163	1.0070	EA	50
5167	0.7233	EA	50
5174	1.0070	EA	25
5178	0.8020	EA	50
5179	1.0070	EA	50
5182	1.8868	EA	25
5189	0.3414	EA	25
51A	0.4910	EA	50
52	1.7240	EA	5
520	0.1480	EA	100
5200-10	9.3759	EA	1
5200-3	9.3759	EA	1
5200-5	9.3759	EA	1
5200-6	24.5836	EA	1
5200-7	9.3759	EA	1
5200-8	20.8962	EA	1
5200-9	8.7062	EA	1
5201-10	9.5099	EA	1
5201-14	8.8134	EA	1
5201-6	9.3759	EA	1
5201-7	9.3936	EA	1
5201-8	24.5836	EA	1
5201-9	8.1972	EA	1
521	0.1605	EA	100
522	0.1869	EA	100
522401	0.9182	EA	25
522402	0.8387	EA	25
522403	0.8133	EA	25
522404	0.7879	EA	25
522405	0.7370	EA	25
522406	0.7371	EA	25
522407	0.7370	EA	25
522408	0.7371	EA	25
522409	0.7108	EA	100
522410	0.7032	EA	100
522411	0.7108	EA	100
522412	0.7032	EA	100
522501	1.2044	EA	25
522502	1.1532	EA	25
522503	1.0481	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
522504	1.0411	EA	25
522505	0.9530	EA	25
522506	1.1097	EA	25
522507	0.9149	EA	25
522508	0.9926	EA	25
522509	0.8854	EA	50
522510	1.0166	EA	50
522511	0.9071	EA	50
522512	0.9978	EA	50
523	0.2048	EA	50
524	0.0615	EA	100
5249	0.0390	EA	100
525	0.3663	EA	50
5250	0.0390	EA	100
5251	0.0390	EA	100
5252	0.0390	EA	100
5253	0.0616	EA	100
5254	0.4125	EA	100
5255	0.4862	EA	100
5255A	1.0070	EA	25
5256	0.5115	EA	100
5257	0.1026	EA	100
5258	0.1210	EA	100
5259	0.0390	EA	100
5260	0.0390	EA	100
5261	0.0390	EA	100
5262	0.0410	EA	100
5263	0.0840	EA	100
5264	0.0472	EA	100
5265	0.0594	EA	100
5266	0.0718	EA	100
5267	0.1168	EA	100
5268-P	1.0448	EA	25
5268	0.1108	EA	100
5270	0.0758	EA	100
5271	0.1004	EA	100
5272-PT	13.6620	EA	1
5272	0.0862	EA	100
5273-PT	13.4723	EA	1
5274	0.0902	EA	100
52A	0.5034	EA	50
53	2.8720	EA	5
530002	0.7517	EA	25
530003	0.7546	EA	25
530004	0.6889	EA	25
530005	0.6546	EA	25
530006	0.6331	EA	25
530007	1.0750	EA	25
530008	0.6189	EA	25
530091	1.3646	EA	25
530092	1.3374	EA	25
530093	1.1731	EA	25
530095	1.0246	EA	25
530102	0.9274	EA	25
530103	0.9074	EA	25
530104	0.8489	EA	25
530105	0.8074	EA	25
530106	0.6360	EA	25
530107	1.1320	EA	25
530108	0.7617	EA	25
530191	1.6274	EA	25
530192	1.5946	EA	25
530193	1.4003	EA	25
530195	1.1931	EA	25
530202	1.2190	EA	25
530203	1.1872	EA	25
530204	1.1554	EA	25
530205	1.0812	EA	25
530206	1.0176	EA	25
530207	1.7852	EA	25
530208	1.0176	EA	25
530291	1.9917	EA	25
530292	1.9531	EA	25
530293	1.7172	EA	25
530295	1.4946	EA	25
5307	0.5936	EA	25
531151	3.7287	EA	25
531155	2.9970	EA	25
5345-P	0.6150	EA	25
535	1.3088	EA	20
537	0.1378	EA	50
5384-P	0.5936	EA	25
5385-P	0.5354	EA	25
5393-P	0.8905	EA	25
53A	0.2543	EA	25
54	4.3880	EA	5
541	1.9398	EA	10
541052	15.1262	EA	1
541054	17.5112	EA	1
541057	19.9916	EA	1
541060	22.1752	EA	1
5423	0.2807	EA	50
543628	43.8504	EA	1
543632	43.4177	EA	1
5440	0.5116	EA	50
546054	13.9917	EA	1
546057	24.2528	EA	1
546060	28.5352	EA	1
5468226	3.8025	EA	4
547017	13.9052	EA	1
54A	0.2633	EA	25
55	0.2677	EA	25
550373	1.3000	EA	5
550375	0.6100	EA	5
550376	1.3500	EA	5
550377	0.5800	EA	5
550378	1.3500	EA	5
550379	0.8400	EA	5
5510	19.7341	EA	1
5535-X	16.4748	EA	1
5586	27.7671	EA	25
560	0.2281	EA	25
5603	9.2426	EA	1
561	0.2646	EA	25
562	0.3562	EA	25
563	0.0923	EA	50
5656	0.5632	EA	25
5657	2.5039	EA	5
566-50	48.8721	EA	1
57	0.3271	EA	25
570-5725-045	772.1353	EA	1
57001	4.9537	EA	1
57002	4.9227	EA	2
57003	6.9531	EA	2
57004	7.7640	EA	2
57005	13.3369	EA	2
57006	9.5112	EA	2
57007	15.7661	EA	2
57008	12.9082	EA	2
57009	23.4111	EA	2
57010	12.0628	EA	2
57011	13.2712	EA	2
57012	16.6102	EA	2
57014	32.3182	EA	2
57015	26.9358	EA	2
57016	39.9630	EA	2
57017	47.1330	EA	2
57018	60.2304	EA	2
57019	14.0031	EA	2
57020	21.7677	EA	2
57021	24.7685	EA	2
57022	18.9227	EA	2
57023	38.8456	EA	2
57024	27.6182	EA	2
57025	53.9191	EA	2
57026	50.5612	EA	2
57027	71.6622	EA	2
57028	12.1377	EA	2
57029	19.2909	EA	2
57030	21.7679	EA	2
57031	17.2034	EA	2
57032	25.9842	EA	2
57033	23.7803	EA	2
57034	34.9764	EA	2
57035	47.8938	EA	2
57036	48.8401	EA	2
57037	12.0628	EA	2
57038	13.2712	EA	2
57039	16.6102	EA	2
57040	20.4898	EA	2
57041	32.3182	EA	2
57042	26.9358	EA	2
57043	39.9153	EA	2
57044	47.1077	EA	2
57045	60.2065	EA	2
574	0.0429	EA	50
575-6801	0.7879	EA	10
575-6802	0.5453	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
575-6803	0.4694	EA	10
575-6804	0.7879	EA	10
575-6805	0.5453	EA	10
575-6806	0.5453	EA	10
575-6807	0.7879	EA	10
575-6808	0.5453	EA	10
575-6809	0.5453	EA	10
575-6810	0.7879	EA	10
575-6811	0.7879	EA	10
575-6812	0.4694	EA	10
575-6814	0.7879	EA	10
575-6815	0.7879	EA	10
575-6816	0.7879	EA	10
575-6817	0.7879	EA	10
575-6818	0.7879	EA	10
575-6819	0.5453	EA	10
575-6820	0.7879	EA	10
575-6821	0.7879	EA	10
576080	17.4717	EA	1
576467	17.3035	EA	1
578787	10.0736	EA	1
578788	11.6792	EA	1
578789	15.4570	EA	1
578790	24.9636	EA	1
5791	0.8215	EA	50
5792	0.9325	EA	50
5793	0.9550	EA	50
5794	1.4432	EA	25
5795	1.5256	EA	25
5796	1.8368	EA	25
581-50	49.0690	EA	1
581838	4.4096	EA	10
581863	6.5563	EA	2
581869	9.8378	EA	2
583	0.5669	EA	50
585-53	92.8951	EA	1
59	0.2591	EA	25
59000B-32	708.0013	EA	1
59000B	715.3280	EA	1
59001B	389.1099	EA	1
59002B-32	712.7515	EA	1
59002B	720.0782	EA	1
59003B	381.6163	EA	1
59004B	423.7921	EA	1
59005B	371.9660	EA	1
59006B	255.6670	EA	1
59007B	432.0532	EA	1
59008B	380.2272	EA	1
59009B-32	633.4675	EA	1
59009B	639.3346	EA	1
59010B	512.4651	EA	1
59011B-32	646.8201	EA	1
59011B	652.6872	EA	1
59012B-32	757.0841	EA	1
59012B	762.9512	EA	1
59013B-32	779.0776	EA	1
59013B	784.9447	EA	1
59014B	105.7151	EA	1
59014BP	112.4166	EA	1
59015B	100.8910	EA	1
59015BP	107.5925	EA	1
59016B	278.3178	EA	1
59017B	237.3625	EA	1
59018B	145.4580	EA	1
59019B	280.8099	EA	1
59020B	239.8546	EA	1
59021B-32	409.4659	EA	1
59021B	414.1024	EA	1
59022B-32	416.3819	EA	1
59022B	421.0184	EA	1
59023B-32	486.3316	EA	1
59023B	490.9681	EA	1
59024B-32	496.4327	EA	1
59024B	501.0691	EA	1
59025B	60.7062	EA	1
59025BP	66.0021	EA	1
59026B	58.2656	EA	1
59026BP	63.5615	EA	1
59027B-32	453.5494	EA	1
59027B	458.1859	EA	1
59028B-32	393.3543	EA	1
59028B	397.9907	EA	1
59029B-32	736.8269	EA	1
59029B	741.4634	EA	1
59030B-32	459.1183	EA	1
59030B	463.7548	EA	1
59031B	283.1938	EA	1
59032B	242.2385	EA	1
59033B	259.8866	EA	1
59034B	218.9314	EA	1
59035B	127.0269	EA	1
59036B	259.6265	EA	1
59037B	218.6713	EA	1
59038B-32	431.3989	EA	1
59038B	436.0353	EA	1
59039B-32	369.1843	EA	1
59039B	373.8207	EA	1
59040B-32	391.7367	EA	1
59040B	396.3731	EA	1
59041B-32	386.4988	EA	1
59041B	391.1352	EA	1
59042B-32	456.4150	EA	1
59042B	461.0515	EA	1
59043B-32	454.3003	EA	1
59043B	458.9367	EA	1
59044B	55.0716	EA	1
59044BP	60.3675	EA	1
59045B	52.7534	EA	1
59045BP	58.0493	EA	1
59046B	324.9604	EA	1
59047B	284.0051	EA	1
59048B	429.4786	EA	1
59049B	388.5234	EA	1
5905	0.8036	EA	50
59050B	155.8563	EA	1
59050BP	161.1521	EA	1
59051B	95.7757	EA	1
59051BP	101.0716	EA	1
59052B	570.9392	EA	1
59053B-32	484.3923	EA	1
59053B	489.0288	EA	1
59054B	266.9933	EA	1
59055B	226.0381	EA	1
59056B	303.9459	EA	1
59057B-32	258.3543	EA	1
59057B	262.9907	EA	1
59058B	435.1350	EA	1
59059B-32	348.5882	EA	1
59059B	353.2246	EA	1
59060B	238.4817	EA	1
59061B	197.5265	EA	1
59062B	78.0929	EA	1
59062BP	98.0865	EA	1
59063B	49.8994	EA	1
59063BP	55.1953	EA	1
59064B	55.1476	EA	1
59064BP	60.4435	EA	1
59065B	54.7780	EA	1
59065BP	60.0738	EA	1
59066B	349.2674	EA	1
59066BP	370.8217	EA	1
59067B	222.4487	EA	1
59068B	181.4934	EA	1
59069B	68.8676	EA	1
59069BP	74.5344	EA	1
59070B	309.6047	EA	1
59071B	268.6495	EA	1
59072B-32	450.0683	EA	1
59072B	454.7047	EA	1
59073B	540.1480	EA	1
59074B-32	592.2430	EA	1
59074B	604.6210	EA	1
59075B	244.9522	EA	1
59076B	203.9969	EA	1
59077B	546.7125	EA	1
59078B-32	460.1656	EA	1
59078B	464.8021	EA	1
59079B	251.7896	EA	1
59080B	210.8344	EA	1
59081B	294.9229	EA	1
59082B-32	249.3313	EA	1
59082B	253.9677	EA	1
59083B	114.0703	EA	1
59083BP	119.7371	EA	1
59084B	99.2325	EA	1
59084BP	104.8992	EA	1
59085B	281.2735	EA	1
59086B	276.3640	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
59087B.....	315.7152	EA	1
59088B.....	263.8891	EA	1
59089B.....	96.9633	EA	1
59089BP.....	104.1342	EA	1
59090B.....	139.7850	EA	1
59090BP.....	146.9559	EA	1
59091B.....	92.1954	EA	1
59091BP.....	96.7442	EA	1
59092B.....	86.7475	EA	1
59092BP.....	92.0434	EA	1
59093B.....	125.6743	EA	1
59093BP.....	130.9702	EA	1
59094B.....	101.3137	EA	1
59094BP.....	105.8626	EA	1
59095B.....	213.0444	EA	1
59096B.....	213.0444	EA	1
59097B-32.....	366.6278	EA	1
59097B.....	371.2642	EA	1
59098B.....	82.1626	EA	1
59098BP.....	106.1230	EA	1
59099B.....	168.5346	EA	1
59100B.....	69.3740	EA	1
59100BP.....	75.3759	EA	1
59101B.....	359.9294	EA	1
59102B.....	318.9742	EA	1
59103B-32.....	611.3983	EA	1
59103B.....	616.0348	EA	1
59104B.....	121.6368	EA	1
59104BP.....	126.9326	EA	1
59105B.....	115.6544	EA	1
59105BP.....	121.3212	EA	1
59106B.....	130.5361	EA	1
59106BP.....	136.2029	EA	1
59107B.....	60.5903	EA	1
59107BP.....	65.8861	EA	1
59108B.....	58.8645	EA	1
59108BP.....	64.5313	EA	1
59109B.....	71.1382	EA	1
59109BP.....	76.4340	EA	1
59110B.....	62.8583	EA	1
59110BP.....	68.1541	EA	1
59111B.....	123.7129	EA	1
59111BP.....	129.0087	EA	1
59112B.....	69.1307	EA	1
59112BP.....	76.6864	EA	1
59113B.....	53.6009	EA	1
59113BP.....	58.8967	EA	1
59114B.....	55.9178	EA	1
59114BP.....	61.5846	EA	1
59115B.....	68.9874	EA	1
59115BP.....	74.6542	EA	1
59116B.....	123.2595	EA	1
59116BP.....	128.9263	EA	1
59117B.....	133.5498	EA	1
59117BP.....	138.8457	EA	1
59118B.....	135.7843	EA	1
59118BP.....	125.9566	EA	1
59119B.....	140.3242	EA	1
59119BP.....	145.9909	EA	1
59120B.....	46.6024	EA	1
59120BP.....	51.8982	EA	1
59121B.....	85.3033	EA	1
59121BP.....	92.8590	EA	1
59122B.....	67.7810	EA	1
59122BP.....	74.8421	EA	1
59123B.....	87.9821	EA	1
59123BP.....	94.0473	EA	1
59124B.....	74.6395	EA	1
59124BP.....	80.7046	EA	1
59125B.....	106.7511	EA	1
59125BP.....	113.8122	EA	1
59126B.....	92.4846	EA	1
59126BP.....	98.5498	EA	1
59127B.....	118.7131	EA	1
59127BP.....	124.7783	EA	1
59128B.....	286.9716	EA	1
59129B.....	232.3646	EA	1
59130B.....	51.3170	EA	1
59130BP.....	57.7394	EA	1
59131B.....	66.7729	EA	1
59131BP.....	72.7749	EA	1
59132B.....	54.5253	EA	1
59132BP.....	60.9476	EA	1
59133B.....	62.2394	EA	1
59133BP.....	68.6617	EA	1
59134B.....	94.9276	EA	1
59134BP.....	101.3499	EA	1
59135B.....	121.0766	EA	1
59135BP.....	127.0786	EA	1
59136B.....	109.9033	EA	1
59136BP.....	115.0587	EA	1
59137B.....	148.5467	EA	1
59137BP.....	153.7021	EA	1
59138B.....	76.7567	EA	1
59138BP.....	82.7587	EA	1
59140B.....	45.7719	EA	1
59140BP.....	51.7739	EA	1
59141B.....	50.8179	EA	1
59141BP.....	56.8198	EA	1
59142B.....	73.3573	EA	1
59142BP.....	79.3593	EA	1
59143B.....	61.2541	EA	1
59143BP.....	62.9096	EA	1
59144B.....	64.3295	EA	1
59144BP.....	70.7519	EA	1
59145B.....	84.0534	EA	1
59145BP.....	90.0554	EA	1
59146B.....	280.3489	EA	1
59146BP.....	286.3509	EA	1
59147B.....	67.8677	EA	1
59147BP.....	73.8696	EA	1
59148B.....	356.2098	EA	1
59148BP.....	362.2117	EA	1
59150BP.....	58.9762	EA	1
59151BP.....	57.0218	EA	1
59152BP.....	34.4415	EA	1
59153B.....	70.6614	EA	1
59153BP.....	76.6633	EA	1
59154B.....	66.9685	EA	1
59154BP.....	92.1499	EA	1
59155B.....	205.4646	EA	1
59155BP.....	211.8869	EA	1
59156B.....	158.3189	EA	1
59156BP.....	164.7412	EA	1
59157B.....	71.0190	EA	1
59157BP.....	94.3206	EA	1
59158B.....	107.1446	EA	1
59158BP.....	113.1466	EA	1
59159B.....	90.2422	EA	1
59159BP.....	95.3976	EA	1
59160B.....	78.1711	EA	1
59160BP.....	84.5935	EA	1
59161B.....	84.0388	EA	1
59161BP.....	89.6791	EA	1
59162B.....	74.5951	EA	1
59162BP.....	81.0174	EA	1
59163B.....	83.5352	EA	1
59163BP.....	89.5372	EA	1
59164B.....	131.0298	EA	1
59164BP.....	137.0318	EA	1
59165B.....	124.1959	EA	1
59165BP.....	130.1978	EA	1
59166B.....	239.4095	EA	1
59166BP.....	245.4115	EA	1
59167B.....	388.9739	EA	1
59167BP.....	394.2629	EA	1
59168B.....	387.1658	EA	1
59168BP.....	378.3572	EA	1
59169B.....	267.7551	EA	1
59169BP.....	272.0007	EA	1
59170B.....	341.6388	EA	1
59170BP.....	346.5816	EA	1
59171B.....	379.0006	EA	1
59171BP.....	383.2462	EA	1
59172B.....	220.1899	EA	1
59172BP.....	225.1327	EA	1
59173B.....	383.8482	EA	1
59173BP.....	388.0938	EA	1
59174B.....	185.8366	EA	1
59174BP.....	191.1256	EA	1
59175B.....	237.6741	EA	1
59175BP.....	242.9631	EA	1
59176B.....	391.8732	EA	1
59176BP.....	396.8160	EA	1
59177B.....	431.5737	EA	1
59177BP.....	436.5165	EA	1
59178B.....	353.6479	EA	1
59178BP.....	299.7549	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
59179B	131.4356	EA	1
59179BP	135.6812	EA	1
59180B	123.7750	EA	1
59180BP	128.0206	EA	1
59181B	176.4544	EA	1
59181BP	181.3972	EA	1
59182B	234.9709	EA	1
59182BP	239.2165	EA	1
59183B	127.0746	EA	1
59183BP	132.0174	EA	1
59184B	143.3154	EA	1
59184BP	147.5610	EA	1
59185B	297.1248	EA	1
59185BP	302.0676	EA	1
59186B	309.8342	EA	1
59186BP	314.7770	EA	1
59187B	52.8087	EA	1
59187BP	58.0977	EA	1
59188B	52.4481	EA	1
59188BP	57.7371	EA	1
59190B	89.5496	EA	1
59190BP	95.5942	EA	1
59191B	81.8703	EA	1
59191BP	87.5192	EA	1
59192B	65.2478	EA	1
59192BP	70.8967	EA	1
59193B	87.5220	EA	1
59193BP	93.5665	EA	1
59194B	101.4052	EA	1
59194BP	107.4497	EA	1
59195B	71.8254	EA	1
59195BP	77.4743	EA	1
59196B	78.7244	EA	1
59196BP	84.7690	EA	1
59197B	97.2935	EA	1
59197BP	103.3381	EA	1
59198B	64.2354	EA	1
59198BP	70.2799	EA	1
59199B	87.7926	EA	1
59199BP	93.8371	EA	1
59200B	103.3274	EA	1
59200BP	108.1795	EA	1
59201BP	35.8774	EA	1
59202B	65.1234	EA	1
59202BP	71.0808	EA	1
59203B	80.3509	EA	1
59203BP	85.9998	EA	1
59204B	102.7762	EA	1
59204BP	108.4251	EA	1
59205B	88.9727	EA	1
59205BP	95.0172	EA	1
59206B	97.5985	EA	1
59206BP	103.6430	EA	1
59207B	103.8944	EA	1
59207BP	109.5433	EA	1
59208B	89.1719	EA	1
59208BP	95.2164	EA	1
59209BP	48.7839	EA	1
59210B	64.1145	EA	1
59210BP	74.1281	EA	1
59211B	56.3030	EA	1
59211BP	62.3475	EA	1
59212B	90.5140	EA	1
59212BP	96.1629	EA	1
59213BP	36.5780	EA	1
59214BP	82.0300	EA	1
59215B	56.1519	EA	1
59215BP	61.8008	EA	1
59216B	50.4068	EA	1
59216BP	56.4514	EA	1
59217BP	47.7851	EA	1
59218B	48.3945	EA	1
59218BP	54.4391	EA	1
59219B	57.9790	EA	1
59219BP	64.0235	EA	1
59220BP	29.5966	EA	1
59221BP	28.8987	EA	1
59222B	44.8887	EA	1
59222BP	50.5376	EA	1
59223B	98.1356	EA	1
59223BP	103.7845	EA	1
59224B	44.4491	EA	1
59224BP	49.3012	EA	1
59225B	49.5320	EA	1
59225BP	54.3841	EA	1
59226B	60.6732	EA	1
59226BP	63.8356	EA	1
59227B	57.9826	EA	1
59227BP	64.0478	EA	1
59228B	50.4524	EA	1
59228BP	55.3046	EA	1
59229B	62.8987	EA	1
59229BP	67.7508	EA	1
59230B	46.1251	EA	1
59230BP	50.9772	EA	1
59231B	107.9718	EA	1
59231BP	113.6207	EA	1
59232B	84.8377	EA	1
59232BP	90.8822	EA	1
59233B	78.4291	EA	1
59233BP	83.2812	EA	1
59234B	67.3634	EA	1
59234BP	72.2155	EA	1
59235B	69.1218	EA	1
59235BP	73.9740	EA	1
59236B	86.4175	EA	1
59236BP	108.7194	EA	1
59237B	114.0987	EA	1
59237BP	118.9509	EA	1
59238B	85.2088	EA	1
59238BP	91.2740	EA	1
59239B	79.7479	EA	1
59239BP	85.7924	EA	1
592401	0.8277	EA	25
592402	0.7707	EA	25
592403	0.7518	EA	25
592404	0.7240	EA	25
592405	0.6773	EA	25
592406	0.6773	EA	25
592407	0.6773	EA	25
592408	0.6773	EA	25
592409	0.6773	EA	25
59240B	60.3435	EA	1
59240BP	66.3881	EA	1
592410	0.6773	EA	25
592411	0.6773	EA	25
592412	0.6773	EA	25
59241B	62.8712	EA	1
59241BP	67.7233	EA	1
59242B	155.6412	EA	1
59242BP	160.4934	EA	1
59243B	111.2688	EA	1
59243BP	116.1209	EA	1
59244B	67.5145	EA	1
59244BP	73.5591	EA	1
59246B	45.0810	EA	1
59246BP	51.1256	EA	1
59247B	54.6149	EA	1
59247BP	59.4670	EA	1
59248B	58.7019	EA	1
59248BP	63.5540	EA	1
592501	1.0276	EA	25
592502	0.9809	EA	25
592503	0.9575	EA	25
592504	0.9108	EA	25
592505	0.8875	EA	25
592506	0.8641	EA	25
592507	0.8407	EA	25
592508	0.9225	EA	25
592509	0.8407	EA	25
59250B	57.4932	EA	1
59250BP	63.5584	EA	1
592510	0.9557	EA	25
592511	0.8407	EA	25
592512	0.9496	EA	25
59251B	47.0112	EA	1
59251BP	53.0557	EA	1
59252B	65.2272	EA	1
59252BP	70.0793	EA	1
59253B	52.1010	EA	1
59253BP	56.9531	EA	1
59255B	80.7713	EA	1
59255BP	86.8159	EA	1
59256B	84.0683	EA	1
59256BP	111.2196	EA	1
59257B	102.9163	EA	1
59257BP	108.9609	EA	1
59258B	64.7533	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
59258BP.....	70.7978	EA	1
59259B.....	86.2114	EA	1
59259BP.....	92.2560	EA	1
59260B.....	109.6280	EA	1
59260BP.....	115.6725	EA	1
59261B.....	174.7915	EA	1
59261BP.....	179.6436	EA	1
59262B.....	123.6876	EA	1
59262BP.....	129.3365	EA	1
59263B.....	57.6235	EA	1
59263BP.....	63.2724	EA	1
59264B.....	53.7220	EA	1
59264BP.....	59.3709	EA	1
59265B.....	76.6363	EA	1
59265BP.....	81.4884	EA	1
59266B.....	46.8532	EA	1
59266BP.....	52.8977	EA	1
59267B.....	138.8017	EA	1
59267BP.....	144.4506	EA	1
59268B.....	130.1443	EA	1
59268BP.....	136.1888	EA	1
59269B.....	50.1502	EA	1
59269BP.....	56.1948	EA	1
59270B.....	56.4283	EA	1
59270BP.....	62.4728	EA	1
59272B.....	131.4081	EA	1
59272BP.....	137.0570	EA	1
59273B.....	134.6834	EA	1
59274B.....	70.9135	EA	1
59275B.....	120.8634	EA	1
59276B.....	129.3942	EA	1
59277B.....	100.5043	EA	1
59278B.....	79.5132	EA	1
59279B.....	127.1497	EA	1
59280B.....	70.6907	EA	1
59281B.....	56.0956	EA	1
59282B.....	83.6411	EA	1
59283B.....	69.0460	EA	1
59284B.....	136.9314	EA	1
59285B.....	151.7370	EA	1
59285BP.....	157.7816	EA	1
59286B.....	132.9399	EA	1
59286BP.....	138.5888	EA	1
59287B.....	233.1010	EA	1
59287BP.....	238.7499	EA	1
59288B.....	140.1452	EA	1
59288BP.....	145.7941	EA	1
59289B.....	68.0019	EA	1
59289BP.....	73.6508	EA	1
59290B.....	150.3855	EA	1
59290BP.....	155.2376	EA	1
59291B.....	62.8575	EA	1
59291BP.....	68.5064	EA	1
59292B.....	121.9773	EA	1
59292BP.....	123.0378	EA	1
59293B.....	84.9476	EA	1
59293BP.....	90.5965	EA	1
59294B.....	84.5698	EA	1
59294BP.....	90.6143	EA	1
59301B.....	224.4831	EA	1
59302B.....	744.4749	EA	1
59310B-99.....	346.4822	EA	1
59310B.....	437.5468	EA	1
59311B-99.....	339.3590	EA	1
59311B.....	430.2752	EA	1
59312B-99.....	196.7572	EA	1
59312B.....	254.3576	EA	1
59313B-99.....	191.0544	EA	1
59313B.....	273.5782	EA	1
59314B.....	1269.2440	EA	1
59315B.....	661.6838	EA	1
59316B-99.....	122.3982	EA	1
59316B.....	173.6810	EA	1
59317B-99.....	216.7064	EA	1
59317B.....	236.1044	EA	1
59318B-99.....	230.8468	EA	1
59318B.....	281.4618	EA	1
59319B.....	210.7280	EA	1
59320B.....	392.4756	EA	1
59325.....	1.3732	EA	1
59375.....	142.9909	EA	1
59400B.....	1258.6654	EA	1
59401B.....	726.2631	EA	1
59402B.....	130.4985	EA	1
59402BP.....	271.5539	EA	1
59403B.....	349.4906	EA	1
59403BP.....	348.1330	EA	1
59404B.....	119.6864	EA	1
59404BP.....	123.4141	EA	1
59405B.....	167.5783	EA	1
59405BP.....	142.7033	EA	1
59406B.....	166.1788	EA	1
59406BP.....	159.1386	EA	1
59407B.....	254.2746	EA	1
59407BP.....	232.8006	EA	1
59408B.....	140.3466	EA	1
59408BP.....	144.4802	EA	1
59409B.....	249.8699	EA	1
59409BP.....	250.0317	EA	1
59420B.....	137.2950	EA	1
59420BP.....	143.3601	EA	1
59421B.....	148.4619	EA	1
59421BP.....	156.0176	EA	1
59422B.....	83.0366	EA	1
59422BP.....	87.8997	EA	1
59423B.....	120.8923	EA	1
59423BP.....	125.7554	EA	1
59424B.....	198.1199	EA	1
59424BP.....	202.9830	EA	1
59425B.....	105.8489	EA	1
59425BP.....	112.3052	EA	1
59426B.....	125.6025	EA	1
59426BP.....	132.0592	EA	1
59427BP.....	73.3931	EA	1
59428B.....	99.5457	EA	1
59428BP.....	97.0033	EA	1
59429B.....	118.1533	EA	1
59429BP.....	114.0897	EA	1
59430B.....	112.2942	EA	1
59430BP.....	108.1111	EA	1
59431B.....	140.7201	EA	1
59431BP.....	140.7032	EA	1
59432B.....	121.2254	EA	1
59432BP.....	114.9717	EA	1
59433B.....	108.5284	EA	1
59433BP.....	110.8295	EA	1
59434B.....	161.8166	EA	1
59434BP.....	160.9786	EA	1
59435B.....	104.0503	EA	1
59435BP.....	99.7312	EA	1
59436B.....	66.8455	EA	1
59436BP.....	70.7770	EA	1
59438B.....	156.4779	EA	1
59438BP.....	162.8463	EA	1
59439B.....	211.5148	EA	1
59439BP.....	219.4483	EA	1
59440B.....	183.6161	EA	1
59440BP.....	191.5495	EA	1
59441B.....	264.0686	EA	1
59441BP.....	270.4370	EA	1
59442B.....	127.0742	EA	1
59442BP.....	133.1393	EA	1
59443B.....	100.9212	EA	1
59443BP.....	108.4769	EA	1
59444B.....	128.0612	EA	1
59444BP.....	129.8100	EA	1
59445B.....	114.7511	EA	1
59445BP.....	109.2578	EA	1
59446B.....	440.9965	EA	1
59446BP.....	445.5454	EA	1
59447B.....	225.3951	EA	1
59447BP.....	225.5082	EA	1
59448B.....	374.1557	EA	1
59448BP.....	374.2688	EA	1
59449B.....	283.0356	EA	1
59449BP.....	288.6459	EA	1
59450B.....	177.3698	EA	1
59450BP.....	182.9801	EA	1
59451B.....	63.8876	EA	1
59451BP.....	63.9720	EA	1
59452B.....	54.4918	EA	1
59452BP.....	54.5802	EA	1
59453B.....	157.8174	EA	1
59453BP.....	157.9007	EA	1
59454B.....	92.6189	EA	1
59455B.....	227.2199	EA	1
59456B.....	200.3698	EA	1
59457B.....	100.1608	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
59460B	94.1591	EA	1
59460BP	81.2413	EA	1
59461B	85.6849	EA	1
59461BP	85.7901	EA	1
59463B	446.1615	EA	1
59464B	648.5040	EA	1
59465B	264.2474	EA	1
59465BP	269.8963	EA	1
59466B	1087.3077	EA	1
59470B	134.1568	EA	1
59470BP	159.2934	EA	1
59471B	68.5863	EA	1
59471BP	75.6475	EA	1
59472B	81.3623	EA	1
59472BP	88.4234	EA	1
59473B	110.6320	EA	1
59473BP	117.6931	EA	1
59474B	106.6155	EA	1
59474BP	113.6766	EA	1
59475B	260.4966	EA	1
59476B	143.0816	EA	1
59477B	165.3903	EA	1
59478B	112.8852	EA	1
59479B	125.7385	EA	1
59480B	174.9280	EA	1
59481B	774.3800	EA	1
59490BP	124.8748	EA	1
59491BP	124.8748	EA	1
5950-4	0.0721	EA	100
5950-5	0.0508	EA	100
5950-8	0.1709	EA	100
59500B	133.1963	EA	1
59500BP	122.9584	EA	1
59501B	207.1089	EA	1
59502B	205.0243	EA	1
59503B	362.1781	EA	1
59503BP	414.3212	EA	1
59504B	148.1960	EA	1
59504BP	168.1166	EA	1
59505B	184.5668	EA	1
59505BP	182.0142	EA	1
59506B	163.2042	EA	1
59506BP	163.2936	EA	1
59507B	121.0673	EA	1
59507BP	121.1567	EA	1
59508BP	113.7969	EA	1
59510BP	89.1528	EA	1
59512B	129.5297	EA	1
59512BP	132.3600	EA	1
59513B	101.1544	EA	1
59513BP	103.2254	EA	1
59514B	135.2445	EA	1
59514BP	128.0426	EA	1
59515B	146.2461	EA	1
59515BP	146.2319	EA	1
59516B	122.6644	EA	1
59516BP	121.9102	EA	1
59517B	192.3099	EA	1
59517BP	195.5544	EA	1
59518B	113.6952	EA	1
59518BP	115.8582	EA	1
59519B	186.6169	EA	1
59519BP	188.9870	EA	1
59520B	155.2293	EA	1
59520BP	154.4751	EA	1
59521B	155.5667	EA	1
59521BP	154.7790	EA	1
59522B	100.1360	EA	1
59522BP	99.3818	EA	1
59524B	135.6391	EA	1
59524BP	137.4679	EA	1
59525B	177.0038	EA	1
59525BP	173.1166	EA	1
59527	62.0354	EA	1
59528	58.5874	EA	1
59529B	122.5161	EA	1
59529BP	123.8328	EA	1
59531B	81.0103	EA	1
59531BP	83.3113	EA	1
59532B	86.7887	EA	1
59532BP	87.4412	EA	1
59534B	102.4203	EA	1
59534BP	104.7214	EA	1
59535B	79.9611	EA	1
59535BP	82.2621	EA	1
59536B	71.7687	EA	1
59536BP	73.6449	EA	1
59537BP	89.7874	EA	1
59538B	102.2116	EA	1
59538BP	104.2825	EA	1
59539B	88.3288	EA	1
59539BP	82.7107	EA	1
59540B	86.3815	EA	1
59540BP	80.7634	EA	1
59541B	152.5244	EA	1
59541BP	152.5092	EA	1
59542B	96.7749	EA	1
59542BP	91.1567	EA	1
59543B	169.5649	EA	1
59543BP	169.6642	EA	1
59544B	116.1931	EA	1
59544BP	109.3265	EA	1
59545B	121.7653	EA	1
59545BP	116.1471	EA	1
59546B	137.6914	EA	1
59546BP	132.0733	EA	1
59547B	100.4516	EA	1
59547BP	94.8334	EA	1
59548B	125.1870	EA	1
59548BP	125.2763	EA	1
59549B	120.3895	EA	1
59549BP	120.5505	EA	1
59550B	129.8200	EA	1
59550BP	131.8910	EA	1
59551B	311.1846	EA	1
59551BP	304.8174	EA	1
59552B	149.1983	EA	1
59552BP	153.9129	EA	1
59600B	279.3482	EA	1
59600BP	282.3395	EA	1
59601B	268.3649	EA	1
59601BP	271.3563	EA	1
59602B	104.3133	EA	1
59602BP	105.2348	EA	1
59603B	104.4864	EA	1
59603BP	100.7287	EA	1
59604B	110.6042	EA	1
59604BP	149.3328	EA	1
59605B	89.7157	EA	1
59605BP	89.7872	EA	1
59606B	127.2805	EA	1
59606BP	128.9373	EA	1
59607B	69.7981	EA	1
59607BP	89.9092	EA	1
59608B	117.3735	EA	1
59608BP	115.7732	EA	1
59610B	134.6532	EA	1
59610BP	135.7117	EA	1
59611B	127.2047	EA	1
59611BP	112.4024	EA	1
59612B	405.3626	EA	1
59612BP	404.5414	EA	1
59613B	341.7928	EA	1
59613BP	220.0242	EA	1
59614B	295.0821	EA	1
59614BP	122.0406	EA	1
59615B	314.7522	EA	1
59615BP	313.2941	EA	1
59616B	241.9303	EA	1
59616BP	243.8402	EA	1
59617B	283.1154	EA	1
59617BP	140.9799	EA	1
59618B	99.9030	EA	1
59618BP	105.1158	EA	1
59619B	282.8574	EA	1
59619BP	281.7680	EA	1
59620B	175.2304	EA	1
59620BP	174.4092	EA	1
59621B	131.1273	EA	1
59621BP	100.3184	EA	1
59622B	285.6551	EA	1
59622BP	198.6864	EA	1
59623B	517.4112	EA	1
59623BP	519.0910	EA	1
59625B	76.8631	EA	1
59625BP	79.4863	EA	1
59626B	271.0054	EA	1
59626BP	439.2110	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
59627B	126.0758	EA	1
59627BP	71.0094	EA	1
59628B	153.1756	EA	1
59628BP	122.1544	EA	1
59629B	252.7792	EA	1
59629BP	250.8182	EA	1
59630B	103.4454	EA	1
59630BP	227.0400	EA	1
59631B	240.3892	EA	1
59631BP	244.2320	EA	1
59632B	322.7445	EA	1
59632BP	326.5873	EA	1
59633B	170.0756	EA	1
59633BP	85.8388	EA	1
59634B	157.2975	EA	1
59634BP	97.2974	EA	1
59635B	143.3140	EA	1
59635BP	108.7454	EA	1
59636B	166.4467	EA	1
59638B	1336.0134	EA	1
59639B	2310.4204	EA	1
59640B	1582.3631	EA	1
59800B	325.4047	EA	1
59801	3350.3039	EA	1
59801B	72.3825	EA	1
59801BP	76.9135	EA	1
59802B	100.0222	EA	1
59802BP	104.8627	EA	1
59803	2012.7837	EA	1
59803B	329.4229	EA	1
59806	2297.8763	EA	1
59809B	379.5617	EA	1
59810B	366.1084	EA	1
59811B	237.5158	EA	1
59812B	164.3606	EA	1
59818B	158.6422	EA	1
59819B	232.6061	EA	1
59838B	99.7466	EA	1
59839B	78.1114	EA	1
59841B	84.5661	EA	1
59845B	114.4931	EA	1
59845BP	115.3548	EA	1
59846B	160.5154	EA	1
59846BP	165.1051	EA	1
60	0.3078	EA	25
6000	1.2060	EA	10
6001	1.1479	EA	10
6002	1.1479	EA	10
6003	0.7352	EA	10
6004	1.0304	EA	10
6005	0.5634	EA	10
6006	0.9109	EA	10
6007	0.9722	EA	10
6008	0.8815	EA	10
6009	1.2092	EA	10
6010	1.0038	EA	10
6011	1.5757	EA	10
601180	1.0420	EA	10
6013	1.8370	EA	10
601310	1.2453	EA	10
6014	1.7274	EA	10
6017	1.3239	EA	10
602	0.2548	EA	25
6020	1.4692	EA	10
6021	0.8446	EA	10
6023	2.3508	EA	10
6025	0.9975	EA	10
6026	1.9318	EA	10
6027	2.3015	EA	10
6028	1.4797	EA	10
6029	1.6579	EA	10
6031	1.7264	EA	10
6032	1.5906	EA	10
6033	0.8793	EA	10
6038	1.1027	EA	10
6039	1.5767	EA	10
604	0.0763	EA	100
6041	1.3545	EA	10
6042	1.2459	EA	10
6043	0.8276	EA	10
6046	0.6436	EA	10
6047	1.0784	EA	10
6048	1.4196	EA	10
6049	0.8446	EA	10
605	0.7184	EA	25
6050	0.9848	EA	10
6056	1.7264	EA	10
606	0.1666	EA	50
606080	1.5096	EA	10
606090	2.1602	EA	10
6063	1.3176	EA	10
6066	1.0733	EA	10
6069	0.9059	EA	10
607	0.1594	EA	25
6071	1.1479	EA	10
6072	4.9651	EA	10
608	0.2360	EA	25
6083	1.1239	EA	10
6084	1.2449	EA	10
6085	1.4882	EA	10
6090	1.3103	EA	10
6091	2.2917	EA	10
6096	1.3154	EA	10
6097	1.5103	EA	10
6098	1.7599	EA	10
60A-120V	0.6890	EA	24
61	0.3107	EA	25
610-318B	3.0279	EA	10
6105	1.0291	EA	10
6106	1.0291	EA	10
6107	1.1132	EA	10
6108	1.0566	EA	10
6111	1.2459	EA	10
6112	1.2395	EA	10
6114	1.0057	EA	10
611405	3.9114	EA	10
611406	3.9114	EA	10
611408	3.9114	EA	10
6118	1.5251	EA	10
6119	1.4746	EA	10
612	0.1442	EA	50
6121	1.0468	EA	10
6122	1.0417	EA	10
6123	1.6335	EA	10
612405	4.5686	EA	10
612406	4.5686	EA	10
612408	4.5686	EA	10
6127	1.3735	EA	10
6128	1.3217	EA	10
6129	1.5242	EA	10
6130	1.4923	EA	10
6131	2.1941	EA	10
613240	9.6830	EA	1
613445	5.2152	EA	10
613446	5.2152	EA	10
613448	5.2152	EA	10
6135	1.3735	EA	10
6136	1.7116	EA	10
6137	2.0098	EA	10
6138	1.2408	EA	10
6139	1.2408	EA	10
6140	1.8086	EA	10
6141	1.6693	EA	10
6142	2.0032	EA	10
61441	1.1902	EA	10
61451	1.8537	EA	10
61461	2.7069	EA	10
61481	2.5805	EA	10
61491	2.2961	EA	10
61501	3.3072	EA	10
61511	1.7274	EA	10
61521	1.6326	EA	10
61541	1.6958	EA	10
615445	6.5190	EA	10
615446	6.5190	EA	10
615448	6.5190	EA	10
61561	2.1697	EA	10
61571	1.5030	EA	10
61581	2.5805	EA	10
61591	1.6958	EA	10
616	0.4598	EA	25
61601	2.9596	EA	10
61611	1.4114	EA	10
61621	1.4430	EA	10
61631	1.2218	EA	10
61641	1.4114	EA	10
61651	1.6294	EA	10
61671	2.0402	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
61681	1.5030	EA	10
61691	1.5694	EA	10
617	0.2446	EA	50
61701	1.9801	EA	10
61711	1.7590	EA	10
61721	1.6958	EA	10
61731	1.5662	EA	10
61741	1.5378	EA	10
61751	1.7590	EA	10
61761	1.7274	EA	10
61771	1.7590	EA	10
61781	1.8537	EA	10
61791	1.6326	EA	10
61801	1.7906	EA	10
61811	1.2218	EA	10
61821	1.1270	EA	10
61831	1.2819	EA	10
61841	1.2819	EA	10
6200	4.6534	EA	1
6201	4.6110	EA	1
6202	3.8478	EA	1
6203	6.5296	EA	1
6205	1.0706	EA	10
6206	0.4932	EA	10
6207	0.5194	EA	10
6208	2.0129	EA	10
6209	2.0564	EA	10
6210	0.4876	EA	10
6211	0.5194	EA	10
6212	0.4134	EA	10
6213	0.6254	EA	10
6214	0.6360	EA	10
6215	0.3074	EA	10
6216	0.5540	EA	10
6217	1.0918	EA	10
6218	1.1766	EA	10
6219	1.1766	EA	10
6220	1.9186	EA	10
6221	1.2508	EA	10
6222	0.6756	EA	10
6223	0.6466	EA	10
6224	0.6254	EA	10
6225	0.6890	EA	10
6226	0.5194	EA	10
6227	0.3922	EA	10
6228	1.0494	EA	10
6229	0.6756	EA	10
6230	0.8904	EA	10
6231	0.7364	EA	10
6232	1.7702	EA	10
6233	2.4992	EA	10
6234	1.7702	EA	10
6235	2.4992	EA	10
6236	1.7808	EA	10
6237	2.8096	EA	10
624	0.1491	EA	25
6250	11.7872	EA	1
6251	11.7872	EA	1
6252	11.7872	EA	1
6253	14.6598	EA	1
6255	11.8674	EA	1
6300	1.5098	EA	10
6301	1.4925	EA	10
631	0.3872	EA	25
63100	0.1500	EA	100
63101	0.1655	EA	100
63102	0.1666	EA	100
63103	0.1971	EA	100
63105	0.1954	EA	100
63106	0.2441	EA	100
63107	0.1118	EA	100
63108	0.2387	EA	100
63109	0.2844	EA	100
63111	0.2868	EA	100
63115	0.1898	EA	100
63116	0.1906	EA	100
63117	0.1961	EA	100
63119	0.2165	EA	100
63120	0.2728	EA	100
63121	0.2580	EA	100
63122	0.3589	EA	100
63123	0.4269	EA	100
63124	0.4293	EA	100
63125	0.4671	EA	100
63126	0.5117	EA	100
63130	0.2207	EA	100
63131	0.2554	EA	100
63132	0.2300	EA	100
63134	0.2652	EA	100
63135	0.2972	EA	100
63136	0.3250	EA	100
63137	0.4152	EA	100
63138	0.4073	EA	100
63140	0.4888	EA	100
63141	0.5081	EA	100
63142	0.8414	EA	50
63143	1.0388	EA	50
63146	0.4198	EA	100
63147	0.4395	EA	100
63148	0.4448	EA	100
63149	0.5405	EA	100
63151	0.6493	EA	100
63153	0.7808	EA	100
63160	0.4682	EA	100
63161	0.4104	EA	100
63162	0.4291	EA	100
63163	0.4773	EA	100
63164	0.4834	EA	100
63165	0.5743	EA	100
63166	0.6211	EA	100
63167	0.7617	EA	50
63168	0.7235	EA	50
63169	0.8758	EA	50
63170	0.9433	EA	50
63171	1.2074	EA	25
63172	1.3356	EA	25
63173	1.3222	EA	25
63174	1.6006	EA	25
63175	1.9398	EA	25
63178	0.6678	EA	50
63179	0.7321	EA	50
63180	0.7632	EA	50
63181	0.8211	EA	50
63182	0.8374	EA	25
63184	0.9540	EA	25
63186	1.1872	EA	25
63187	1.3780	EA	25
63188	1.7066	EA	25
63189	1.8374	EA	25
63190	2.2472	EA	25
63191	2.9680	EA	25
63196	1.3201	EA	25
63197	1.3898	EA	25
63198	1.2536	EA	25
63199	1.5399	EA	25
632	0.3163	EA	25
63201	1.5932	EA	25
63203	1.8656	EA	25
63204	2.0988	EA	25
63205	4.6534	EA	25
63206	3.0316	EA	25
63207	3.2648	EA	25
63208	4.2824	EA	10
6321	2.7937	EA	10
63212	2.3414	EA	10
63213	2.6085	EA	10
63214	2.7129	EA	10
63215	3.4619	EA	10
63216	3.7916	EA	10
63217	4.2941	EA	10
63220	2.1513	EA	25
63221	2.3986	EA	10
63222	2.6772	EA	10
63223	2.9879	EA	10
63224	3.2838	EA	10
63225	3.5138	EA	10
63226	4.0702	EA	10
63227	5.6624	EA	10
63230-T	0.6806	EA	100
63231-T	0.9458	EA	100
63232-T	0.9539	EA	50
63241-T	1.3867	EA	50
63242-T	1.4648	EA	50
63243-T	1.7002	EA	50
63255-T	3.2712	EA	50
63256-T	2.7904	EA	50
63257-T	2.9368	EA	25
63258-T	2.1000	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
63259-T.....	2.5000	EA	25
63260-T.....	2.6000	EA	25
63261-T.....	2.7000	EA	25
633.....	0.3064	EA	25
63500.....	0.3908	EA	50
63501.....	0.4245	EA	50
63502.....	0.5469	EA	50
63503.....	0.5840	EA	50
63504.....	0.6941	EA	50
63505.....	0.5548	EA	50
63506.....	0.6222	EA	50
63507.....	0.6570	EA	50
63508.....	0.7221	EA	50
63509.....	0.8030	EA	50
63510.....	0.5548	EA	50
63511.....	0.6222	EA	50
63512.....	0.6570	EA	50
63513.....	0.7221	EA	50
63514.....	0.8030	EA	50
63515.....	1.0399	EA	50
63516.....	1.0512	EA	50
63517.....	1.1590	EA	50
63518.....	1.2241	EA	50
63519.....	1.1365	EA	50
63520.....	1.3701	EA	25
63521.....	1.8609	EA	25
63522.....	1.9777	EA	25
63523.....	2.4022	EA	25
63524.....	1.5408	EA	25
63525.....	1.7284	EA	25
63526.....	1.9440	EA	25
63527.....	3.1232	EA	25
63528.....	2.1574	EA	25
63529.....	2.2708	EA	10
63530.....	2.3438	EA	10
63531.....	2.7099	EA	10
63532.....	3.6589	EA	10
63533.....	4.0284	EA	10
63534.....	3.2962	EA	10
63535.....	3.0760	EA	10
63536.....	2.7099	EA	10
63537.....	2.8559	EA	10
63538.....	3.4422	EA	10
63539.....	3.5926	EA	10
6354.....	1.0013	EA	10
63540.....	4.1014	EA	10
63541.....	4.3215	EA	10
63542.....	6.0791	EA	10
63543.....	6.7383	EA	10
63544.....	7.4144	EA	10
63545.....	7.3245	EA	10
63546.....	8.1297	EA	10
63547.....	9.2281	EA	10
63548.....	9.7391	EA	10
63549.....	24.5566	EA	10
63550.....	14.6479	EA	10
63551.....	16.5526	EA	5
63552.....	17.5779	EA	5
63553.....	19.7758	EA	5
63554.....	21.2402	EA	5
63555.....	25.6347	EA	5
63556.....	28.5648	EA	5
63557.....	38.2027	EA	1
63558.....	146.4849	EA	1
63559.....	205.0788	EA	1
63560.....	0.2006	EA	50
63561.....	0.1379	EA	50
63562.....	0.1506	EA	50
63563.....	0.1882	EA	50
63564.....	0.1256	EA	50
63565.....	0.1379	EA	50
63566.....	0.1442	EA	50
63567.....	0.1506	EA	50
63569.....	0.1256	EA	50
63570.....	0.1256	EA	50
63571.....	0.1316	EA	50
63572.....	0.1396	EA	50
63573.....	0.1577	EA	50
63574.....	0.2116	EA	50
63576.....	0.2813	EA	25
6358.....	2.4833	EA	10
63584.....	0.2698	EA	25
63585.....	0.1379	EA	25
63586.....	0.1629	EA	25
63587.....	0.1756	EA	25
63588.....	0.2330	EA	25
63589.....	0.2948	EA	25
63590.....	0.3388	EA	25
63591.....	0.4514	EA	25
63592.....	0.3690	EA	25
63593.....	0.2195	EA	25
63594.....	0.2445	EA	25
63595.....	0.2866	EA	25
63596.....	0.3333	EA	25
63597.....	0.3764	EA	25
63598.....	0.4767	EA	25
63600.....	0.5338	EA	25
63601.....	0.3459	EA	25
63602.....	0.4336	EA	25
63603.....	0.4891	EA	25
63604.....	0.5520	EA	25
63605.....	0.7525	EA	25
63606.....	0.6899	EA	25
63607.....	0.7885	EA	25
63608.....	0.9605	EA	25
63609.....	1.1290	EA	25
63610.....	6.9883	EA	5
63611.....	7.5257	EA	5
63612.....	8.0634	EA	5
63613.....	8.2426	EA	1
63614.....	8.6008	EA	1
63820.....	0.1129	EA	100
63821.....	0.1354	EA	100
63822.....	0.1423	EA	100
63824.....	0.1474	EA	100
63825-1.....	0.1630	EA	100
63825.....	0.1569	EA	100
63826.....	0.1859	EA	100
63827.....	0.1842	EA	100
63828-1.....	0.1759	EA	100
63828.....	0.2131	EA	100
63829.....	0.1895	EA	100
63830.....	0.1953	EA	100
63831.....	0.1751	EA	100
63832.....	0.2303	EA	100
63833.....	0.2824	EA	100
63835.....	0.2363	EA	100
63836.....	0.2280	EA	100
63837.....	0.2616	EA	100
63838.....	0.2615	EA	100
63839.....	0.3023	EA	100
63840.....	0.3837	EA	100
63841.....	0.4797	EA	100
63845.....	0.2496	EA	100
63846.....	0.2576	EA	100
63847.....	0.2616	EA	100
63848.....	0.2951	EA	100
63849.....	0.3407	EA	100
63850.....	0.3801	EA	100
63851.....	0.4797	EA	100
63855.....	0.2909	EA	100
63856.....	0.3307	EA	100
63857.....	0.3503	EA	100
63858-1.....	0.3711	EA	100
63858.....	0.3770	EA	100
63859.....	0.4137	EA	100
63860.....	0.4770	EA	100
63861-1.....	0.6412	EA	50
63861-2.....	0.6956	EA	50
63861-21/2.....	0.7180	EA	50
63861.....	0.5217	EA	100
63863.....	0.2526	EA	100
63864.....	0.3868	EA	100
63865.....	0.4656	EA	100
63866.....	0.6294	EA	100
63867.....	0.5691	EA	100
63868.....	0.6527	EA	100
63869.....	0.6840	EA	100
63870.....	0.8286	EA	100
63871.....	0.9008	EA	50
63872.....	1.0388	EA	50
63873.....	1.2084	EA	50
63875.....	0.9069	EA	50
63876.....	1.0014	EA	50
63877.....	1.0388	EA	50
63878.....	1.0600	EA	50
63879.....	1.3038	EA	50
63880.....	1.4628	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
63881.....	2.3320	EA	25
63882.....	2.3956	EA	25
63883.....	2.5016	EA	25
63884.....	3.0210	EA	25
63885.....	3.1335	EA	25
63886-21/2.....	4.2718	EA	25
63886-3.....	4.7198	EA	25
63886.....	3.5510	EA	25
63890.....	4.8545	EA	5
63891.....	5.4195	EA	5
63892.....	5.9540	EA	5
63893.....	6.7493	EA	5
63894-1.....	8.9745	EA	5
63894.....	7.5403	EA	5
63895.....	9.0744	EA	5
6394.....	0.5936	EA	10
6395.....	0.6325	EA	10
6396.....	1.1917	EA	10
6398.....	2.0488	EA	10
6399.....	0.3624	EA	10
64.....	0.3081	EA	25
6400.....	4.5521	EA	10
6401.....	5.3309	EA	10
6402.....	3.9814	EA	10
6403.....	8.0183	EA	10
6404.....	3.4568	EA	10
640405.....	15.1156	EA	1
640406.....	13.7694	EA	1
640408.....	21.0185	EA	1
6405.....	4.2651	EA	10
6406.....	1.7562	EA	10
6407.....	2.8276	EA	10
6408.....	3.4395	EA	10
6410.....	1.6594	EA	10
6412.....	3.4395	EA	10
6413.....	1.7706	EA	10
645053.....	9.1163	EA	10
645056.....	9.1163	EA	10
645057.....	9.1163	EA	10
645063.....	10.1260	EA	10
645064.....	10.1260	EA	10
645066.....	10.1260	EA	10
645253.....	17.9230	EA	10
645254.....	17.9230	EA	10
645256.....	17.9230	EA	10
645257.....	17.9230	EA	10
645263.....	19.8576	EA	10
645264.....	19.8576	EA	10
645266.....	19.8576	EA	10
645267.....	19.8481	EA	10
6458.....	0.9846	EA	10
645853.....	9.1163	EA	1
645854.....	9.1163	EA	1
645857.....	9.1163	EA	1
645863.....	10.1260	EA	1
645864.....	10.1260	EA	1
645866.....	10.1260	EA	1
645867.....	10.1260	EA	1
6459.....	2.6134	EA	10
645953.....	17.8575	EA	1
645954.....	17.8575	EA	1
645956.....	17.8575	EA	1
645957.....	17.8575	EA	1
645963.....	19.8481	EA	1
645964.....	19.8481	EA	1
645966.....	19.8481	EA	1
645967.....	19.8481	EA	1
6460.....	0.3065	EA	25
6461.....	0.3179	EA	25
6462.....	0.6564	EA	25
6463.....	0.3090	EA	25
6464.....	0.3004	EA	25
64660.....	0.6532	EA	50
64661.....	0.8498	EA	50
64662.....	0.9797	EA	50
64663.....	1.3063	EA	50
64664.....	1.5995	EA	50
64665.....	1.6627	EA	50
64669.....	1.4854	EA	50
64670.....	1.7505	EA	50
64671.....	2.3808	EA	50
64676.....	1.8506	EA	50
64677.....	2.1772	EA	50
64678.....	3.0480	EA	50
6468.....	1.7139	EA	25
6486.....	2.9038	EA	25
649.....	0.2259	EA	25
65.....	1.3886	EA	25
650.....	0.5292	EA	50
6500.....	49.1449	EA	1
65000-C.....	7.4151	EA	10
65000-CC.....	3.4912	EA	10
65000-LB.....	7.4151	EA	10
65000-LL.....	7.4151	EA	10
65000-LR.....	7.4151	EA	10
65000-SC.....	2.6818	EA	10
65000-SG.....	2.2586	EA	10
65000-T.....	9.4446	EA	5
65001-C.....	8.9016	EA	5
65001-CC.....	4.2385	EA	10
65001-LB.....	8.9016	EA	5
65001-LL.....	8.9016	EA	5
65001-LR.....	8.9016	EA	5
65001-SC.....	3.6551	EA	10
65001-SG.....	2.2586	EA	10
65001-T.....	11.0603	EA	5
65002-C.....	12.0851	EA	5
65002-CC.....	6.6798	EA	10
65002-LB.....	13.3307	EA	5
65002-LL.....	13.3307	EA	5
65002-LR.....	13.3307	EA	5
65002-SC.....	3.4448	EA	10
65002-SG.....	3.0227	EA	5
65002-T.....	18.6601	EA	3
65003-C.....	21.5161	EA	1
65003-CC.....	8.9257	EA	5
65003-LB.....	21.5161	EA	1
65003-LL.....	21.5161	EA	1
65003-LR.....	21.5161	EA	5
65003-SC.....	4.1777	EA	5
65003-SG.....	3.7117	EA	5
65003-T.....	24.7545	EA	1
65004-C.....	27.6441	EA	1
65004-CC.....	8.9257	EA	5
65004-LB.....	27.6441	EA	1
65004-LL.....	27.6441	EA	1
65004-LR.....	27.6441	EA	1
65004-SC.....	4.1777	EA	5
65004-SG.....	3.7949	EA	5
65004-T.....	32.8255	EA	1
65005-C.....	45.3558	EA	1
65005-CC.....	13.1356	EA	5
65005-LB.....	45.3558	EA	1
65005-LL.....	45.3558	EA	1
65005-LR.....	45.3558	EA	1
65005-SC.....	7.2552	EA	5
65005-SG.....	4.5173	EA	5
65005-T.....	50.3536	EA	2
65010-CA.....	7.3404	EA	10
65010-CCA.....	3.8255	EA	10
65010-LBA.....	9.0793	EA	10
65010-LLA.....	7.8112	EA	10
65010-LRA.....	8.6582	EA	10
65010-SCA.....	2.5332	EA	10
65010-TSA.....	10.4686	EA	5
65011-CA.....	9.3450	EA	5
65011-CCA.....	5.1956	EA	10
65011-LBA.....	10.1471	EA	5
65011-LLA.....	10.1471	EA	5
65011-LRA.....	10.1471	EA	5
65011-SCA.....	2.7383	EA	10
65011-TSA.....	13.0818	EA	5
65012-CA.....	16.3616	EA	5
65012-CCA.....	8.2427	EA	10
65012-LBA.....	16.0210	EA	5
65012-LLA.....	16.0210	EA	5
65012-LRA.....	16.0210	EA	5
65012-SCA.....	4.1285	EA	10
65012-TSA.....	19.4119	EA	5
65013-CA.....	24.6727	EA	1
65013-CCA.....	10.3582	EA	5
65013-LBA.....	26.5410	EA	1
65013-LLA.....	24.9107	EA	1
65013-LRA.....	24.9107	EA	1
65013-SCA.....	6.6490	EA	5
65013-TSA.....	31.4591	EA	1
65014-CA.....	32.1460	EA	1
65014-CCA.....	12.1990	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
65014-LBA.....	34.9485	EA	1
65014-LLA.....	34.9485	EA	1
65014-LRA.....	34.9485	EA	1
65014-SCA.....	6.4841	EA	5
65014-TSA.....	41.9821	EA	1
65015-CA.....	53.5492	EA	1
65015-CCA.....	13.6760	EA	5
65015-LBA.....	54.1557	EA	1
65015-LLA.....	58.1650	EA	1
65015-LRA.....	58.1650	EA	1
65015-SCA.....	8.9795	EA	5
65015-TSA.....	58.5771	EA	1
65018.....	24.4320	EA	1
65022.....	24.4320	EA	1
6503.....	0.3707	EA	20
65030-BCC.....	3.5580	EA	10
65030-BSC.....	2.2669	EA	10
65030-C.....	7.6012	EA	10
65030-LB.....	7.6012	EA	10
65030-LL.....	7.6012	EA	10
65030-LR.....	10.8613	EA	10
65030-SG.....	2.4558	EA	10
65030-T.....	9.5243	EA	5
65031-BCC.....	4.3237	EA	10
65031-BSC.....	2.8316	EA	10
65031-C.....	9.3054	EA	5
65031-LB.....	9.3054	EA	5
65031-LL.....	9.3054	EA	5
65031-LR.....	9.3054	EA	5
65031-SG.....	2.4558	EA	10
65031-T.....	11.4126	EA	5
65032-BCC.....	6.8589	EA	5
65032-BSC.....	3.8696	EA	5
65032-C.....	17.1570	EA	5
65032-LB.....	13.7044	EA	5
65032-LL.....	13.7044	EA	5
65032-LR.....	13.7044	EA	5
65032-SG.....	3.2951	EA	5
65032-T.....	18.4089	EA	1
65033-BCC.....	5.9257	EA	5
65033-BSC.....	6.1795	EA	5
65033-C.....	21.6655	EA	1
65033-LB.....	23.9324	EA	1
65033-LL.....	21.6655	EA	1
65033-LR.....	23.9324	EA	1
65033-SG.....	4.1166	EA	5
65033-T.....	24.9040	EA	1
65034-C.....	31.0569	EA	1
65034-LB.....	31.0569	EA	1
65034-LL.....	29.9863	EA	1
65034-LR.....	29.9863	EA	1
65034-T.....	32.4399	EA	1
65035-BCC.....	13.4969	EA	5
65035-BSC.....	7.4329	EA	5
65035-C.....	50.9356	EA	1
65035-LB.....	50.9356	EA	1
65035-LL.....	46.4519	EA	1
65035-LR.....	50.9356	EA	1
65035-SG.....	4.9381	EA	5
65035-T.....	50.9356	EA	1
65036-BSC.....	12.0731	EA	1
65036-SG.....	5.0280	EA	6
6504.....	0.8641	EA	20
65050.....	13.1962	EA	1
65051.....	14.6407	EA	1
65052.....	15.4879	EA	1
65056.....	16.5340	EA	1
65057.....	16.1605	EA	1
65058.....	22.9023	EA	1
65070.....	26.2033	EA	1
65071.....	25.9253	EA	1
65072.....	26.6975	EA	1
65076.....	25.3274	EA	1
65077.....	28.5658	EA	1
65078.....	27.4199	EA	1
65091.....	4.2532	EA	1
65099.....	4.2532	EA	1
651.....	0.7454	EA	50
65100.....	3.5950	EA	1
65101.....	6.4205	EA	1
65105.....	6.4205	EA	1
65108.....	4.5597	EA	1
651093.....	0.6511	EA	25
65116.....	8.2786	EA	1
6514.....	17.8613	EA	2
6515.....	7.1974	EA	1
655.....	0.9430	EA	25
65618.....	36.6682	EA	1
65622.....	36.6682	EA	1
65651.....	7.2078	EA	10
65661.....	2.3181	EA	10
65671.....	3.4395	EA	10
65691.....	10.6156	EA	10
65701.....	6.4435	EA	10
65711.....	6.1269	EA	10
65721.....	3.2170	EA	10
65731.....	5.8315	EA	10
65761.....	3.8845	EA	10
657685.....	6.2928	EA	1
65771.....	4.4408	EA	10
65781.....	1.7562	EA	10
65791.....	0.4593	EA	10
65801.....	5.1551	EA	10
65811.....	4.5432	EA	10
65821.....	4.5377	EA	10
65831.....	7.7641	EA	10
65841.....	3.3695	EA	10
65851.....	2.4794	EA	10
65871.....	3.7032	EA	10
65881.....	3.1614	EA	10
65911.....	1.4369	EA	10
65921.....	6.1565	EA	10
65931.....	1.2940	EA	10
65961.....	10.7125	EA	10
65971.....	7.4448	EA	10
66.....	0.0882	EA	50
661405.....	26.8604	EA	1
661406.....	26.1926	EA	1
661408.....	30.6871	EA	1
661605.....	46.6415	EA	1
661606.....	49.5972	EA	1
661608.....	60.2099	EA	1
664.....	0.3972	EA	25
665.....	0.1200	EA	50
6668.....	7.3785	EA	1
6675.....	7.6034	EA	1
6699.....	6.3070	EA	1
6701.....	1.6443	EA	10
6702.....	1.2204	EA	10
67030.....	3.0759	EA	10
6704.....	6.0950	EA	2
67040.....	3.4854	EA	10
6705.....	7.2398	EA	2
67050.....	5.1996	EA	5
6706.....	0.6052	EA	25
6711.....	0.6834	EA	25
6712.....	0.2575	EA	50
6713.....	0.1504	EA	50
6715.....	0.1741	EA	50
6716.....	0.4807	EA	50
6717.....	0.1972	EA	50
6718.....	0.2889	EA	25
6719.....	0.1348	EA	50
6720.....	0.5559	EA	25
6723.....	7.2716	EA	2
6725.....	7.4836	EA	2
6727.....	13.2231	EA	1
6740.....	4.8124	EA	1
6741.....	7.5790	EA	1
6742.....	7.8334	EA	1
6743.....	6.4872	EA	2
6744.....	7.5472	EA	2
6745.....	6.3070	EA	2
6746-1.....	9.4764	EA	2
6747-1.....	8.2680	EA	2
6750.....	2.9150	EA	10
6751-213-.....	10.7712	EA	1
6751.....	2.0882	EA	10
6752-110-.....	1.8864	EA	1
6752-121-.....	2.5056	EA	1
6752-291-.....	4.6656	EA	1
6752-336-.....	7.6147	EA	1
6752-405-.....	2.1082	EA	1
6752-41-.....	6.6200	EA	1
6752-44-.....	5.3914	EA	1
6752-533-.....	1.3716	EA	1
6752-534-.....	1.4048	EA	1
6752-9-.....	1.0310	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
6752	7.0066	EA	2
6753	5.6853	EA	2
6755	8.9464	EA	2
6756	6.2922	EA	2
6757	9.6778	EA	2
6758	6.8370	EA	2
6760	9.4128	EA	2
6762	7.1550	EA	2
6763	7.0066	EA	2
6764	2.3850	EA	5
6765	2.4592	EA	2
6766	15.1898	EA	2
6770	7.9076	EA	2
6771	7.9076	EA	2
6772	7.4200	EA	2
6773	4.1011	EA	10
6774	2.3214	EA	10
6775	12.3914	EA	2
6776	3.9856	EA	5
6778	9.6139	KT	1
6780	9.1902	EA	1
6783	12.2536	KT	2
6786	12.9956	EA	2
6787	8.0878	EA	2
6788	6.7416	EA	2
6789	10.8862	EA	2
6790-1	1.8550	EA	5
6790-2	5.1834	EA	2
6790	2.5758	EA	5
6791	8.2362	EA	2
6792	7.1126	EA	3
6793	19.6609	EA	2
6794	8.3634	EA	2
6795	6.8158	EA	1
6796	3.3390	EA	5
6798	2.8791	EA	10
6799	17.8504	EA	2
68	5.5360	EA	5
6800	8.9040	EA	2
6802	8.1726	EA	2
6803	3.0422	EA	2
6804	10.4092	EA	2
6805	8.3528	EA	2
6806	9.0630	EA	2
6807	9.0630	EA	2
6811	7.5472	EA	2
6812	3.2648	EA	2
6813	0.5771	EA	10
6814	0.4601	EA	10
6816	0.5730	EA	10
6817	0.4515	EA	10
6818	0.5771	EA	10
6819	0.5771	EA	10
682	0.1709	EA	50
6821	0.4601	EA	10
6822	0.4694	EA	10
682276	2.7136	EA	5
6823	0.4694	EA	10
6826	0.5771	EA	10
6827-1	0.9871	EA	10
6827	0.4601	EA	10
6830-1	0.6903	EA	10
6830	0.5771	EA	10
6831	0.5771	EA	10
6832-1	0.9871	EA	10
6832-2	0.9871	EA	10
6832	0.5771	EA	10
6833	0.5771	EA	10
6834	0.5771	EA	10
6835	0.4601	EA	10
6836	0.4601	EA	10
6838	0.5771	EA	10
6839	1.0372	EA	10
6840	0.6765	EA	10
6841	0.4601	EA	10
6842	0.6904	EA	10
6843	0.9871	EA	10
6844	0.6904	EA	10
6845	0.6765	EA	10
6846	0.4601	EA	10
6847	0.5771	EA	10
6848	0.4601	EA	10
6849	5.1728	EA	2
6850	1.6000	EA	2
6852	0.5730	EA	10
6853	1.0372	EA	10
6854-1	0.5730	EA	10
6854	0.6904	EA	10
6855-1	0.9871	EA	10
6855	0.5730	EA	10
6856	0.4694	EA	10
6857	0.4694	EA	10
6859	0.5730	EA	10
686	0.3865	EA	50
6860	1.0372	EA	10
6861	0.5730	EA	10
6862	0.5730	EA	10
6863	0.4694	EA	10
6864	0.6765	EA	10
6865-1	0.6765	EA	10
6865	0.5730	EA	10
6866	0.6765	EA	10
6868	0.5730	EA	10
6869	0.5730	EA	10
687	0.5547	EA	50
6870	0.9871	EA	10
6871-1	0.5730	EA	10
6871	0.9871	EA	10
6872	9.4862	EA	2
6873	7.1232	EA	2
6874	6.4766	EA	2
6877	10.2228	EA	1
6880	4.7276	EA	2
6884	4.0564	EA	2
6885	3.1800	EA	2
6891	1.1768	EA	4
6892	3.2355	EA	4
6894	0.9674	EA	4
69	2.5440	EA	5
690	0.2473	EA	25
6900	0.2251	EA	25
6901	0.1771	EA	25
6902	0.1422	EA	25
691	1.1829	EA	25
6911	0.3010	EA	25
6912	0.9011	EA	25
6918	0.8357	EA	25
692	0.7377	EA	25
693	0.6761	EA	25
6945	0.7102	EA	25
6954	1.1995	EA	10
6956	8.5053	EA	5
6964	0.4362	EA	25
6975	1.3813	EA	10
6977	0.3315	EA	25
698	0.9448	EA	10
6981	1.4524	EA	10
7	0.5762	EA	10
70	2.1720	EA	5
700	0.2964	EA	25
70000	0.1245	EA	100
70001	0.1595	EA	100
70002	0.5742	EA	100
70003	0.1292	EA	100
70004	0.1413	EA	50
70005	0.1541	EA	50
70006	0.1694	EA	50
70007	0.1840	EA	50
70008	0.3439	EA	25
70009	0.1716	EA	50
70010	0.2092	EA	50
70011	0.2774	EA	25
70012	0.3384	EA	25
70013	0.2603	EA	25
70014	0.2629	EA	25
70015	0.2687	EA	25
70016	0.3242	EA	25
70017	0.3103	EA	25
70018	0.6597	EA	25
70019	0.4965	EA	25
70020	0.6067	EA	25
70021	0.7061	EA	25
70022	0.8086	EA	25
70023	1.1591	EA	25
70024	1.3106	EA	10
7005-1	1.9080	EA	10
7005-2	1.6430	EA	10
7006	2.9998	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
7007	3.2290	EA	5
700743	4.0764	EA	1
7008-A	0.9017	EA	10
7009	3.6092	EA	2
700927	15.4230	EA	1
700950	14.3930	EA	5
700960	5.2112	EA	5
700961	10.5515	EA	5
701	0.2462	EA	25
701000	1.1590	EA	5
701001	2.3699	EA	5
701002	1.7203	EA	5
701003	2.5695	EA	5
701004	2.1989	EA	5
7012	8.2086	EA	1
7013	5.7770	EA	2
7014	6.1056	EA	2
7015	6.7946	EA	2
7016	3.3602	EA	4
701639	0.6459	EA	10
7017	4.2294	EA	4
701700	7.7623	EA	3
701701	11.1972	EA	2
701703	84.9458	EA	1
701711	18.9467	EA	2
701712	43.2899	EA	1
701713	55.4884	EA	1
701715	8.0228	EA	2
701716	9.7537	EA	2
701717	52.7917	EA	1
701719	89.5137	EA	1
701720	46.5439	EA	1
701726	11.6826	EA	3
701727	15.1171	EA	2
701729	28.4748	EA	1
701756	21.2777	EA	1
701758	72.9029	EA	1
701762	39.2623	EA	1
701763	30.6614	EA	1
701764	41.7858	EA	1
701765	37.7859	EA	1
701766	84.7440	EA	1
701767	72.8831	EA	1
701770	20.3396	EA	1
701771	32.6861	EA	1
701772	39.9592	EA	1
701775	16.3374	EA	2
701776	15.3250	EA	2
701777	29.0367	EA	1
701779	72.9935	EA	1
701781	52.0681	EA	1
701783	85.9744	EA	1
701784	73.7486	EA	1
701785	27.4002	EA	1
701786	37.4227	EA	1
701788	38.1041	EA	1
701790	55.7293	EA	1
701791	50.7763	EA	1
701792	55.4352	EA	1
701800	18.8948	EA	1
701801	27.6099	EA	1
701802	28.1107	EA	1
701803	29.9160	EA	1
701804	40.0928	EA	1
701805	48.7992	EA	1
701806	57.1590	EA	1
701810	79.4927	EA	1
701816	26.2326	EA	1
701817	28.0263	EA	1
701818	30.3499	EA	1
701819	37.8973	EA	1
701820	46.6736	EA	1
701821	68.9694	EA	1
701822	68.9694	EA	1
701824	95.3301	EA	1
701825	149.7520	EA	1
701830	24.6915	EA	2
701831	24.2989	EA	2
701834	0.4240	EA	10
701837	40.7153	EA	1
701838	57.3871	EA	1
701839	86.2133	EA	1
701840	82.8191	EA	1
701845	18.0375	EA	1
701846	16.5864	EA	1
701847	31.9214	EA	1
701849	94.0070	EA	1
701855	29.8987	EA	1
701856	52.3228	EA	1
701857	33.6587	EA	1
701860	66.8513	EA	1
701861	64.1591	EA	1
701862	69.1423	EA	1
701863	93.0183	EA	1
701864	153.9881	EA	1
701870	32.9016	EA	1
701875	24.3817	EA	1
701876	27.0823	EA	1
701877	28.6558	EA	1
701878	35.7463	EA	1
701879	46.0233	EA	1
701880	48.8256	EA	1
701881	70.1084	EA	1
701882	72.9107	EA	1
701883	96.4590	EA	1
701884	114.1966	EA	1
701885	160.3809	EA	1
701890	19.0427	EA	1
701891	25.1529	EA	1
701892	27.4750	EA	1
701893	30.6728	EA	1
701894	31.2971	EA	1
701895	39.3763	EA	1
701901	95.9562	EA	1
701902	168.1804	EA	1
701905	26.3837	EA	2
701906	21.7507	EA	2
701907	24.7988	EA	2
701909	36.8058	EA	1
701916	37.9073	EA	1
701917	31.9983	EA	2
701918	36.4879	EA	1
701919	59.1552	EA	1
701920	79.8075	EA	1
701922	106.7577	EA	1
701925	52.0983	EA	1
701926	50.3179	EA	1
701928	57.4396	EA	1
701930	102.9098	EA	1
701931	131.0048	EA	1
701935	18.6179	EA	1
701937	16.5418	EA	1
701938	29.1275	EA	1
701939	39.2266	EA	1
701940	37.9102	EA	1
701942	37.4525	EA	1
701947	59.6760	EA	1
701948	77.9531	EA	1
701950	95.4110	EA	1
701951	96.8602	EA	1
701952	82.7357	EA	1
701954	111.5271	EA	1
701956	108.5920	EA	1
701957	109.1852	EA	1
701958	125.0244	EA	1
701959	124.7448	EA	1
701961	217.3591	EA	1
701965	29.3959	EA	1
701966	46.8368	EA	1
701967	36.5090	EA	1
701971	74.9446	EA	1
701972	71.2468	EA	1
701973	116.3040	EA	1
701974	76.8486	EA	1
701980	37.2378	EA	1
701981	37.7633	EA	1
701985	36.9666	EA	1
701986	83.3289	EA	1
701987	85.3289	EA	1
701988	95.9251	EA	1
701989	219.9100	EA	1
701995	27.6162	EA	1
701996	40.0006	EA	1
702	0.2960	EA	25
7020	7.8284	EA	2
702341	0.5512	EA	10
7025	3.0776	EA	5
702568	0.5512	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
7027	7.5790	EA	1
7028	5.0496	EA	2
702816	11.7130	EA	1
7034	2.8684	EA	5
7037	5.5286	EA	2
7038	4.4202	EA	2
7039-1	5.2765	EA	5
704	0.7102	EA	10
7040-1	5.2126	EA	5
7040	7.5684	EA	2
7043-HD	5.7028	EA	2
704607	0.6742	EA	10
704624	0.7950	EA	10
7048	11.2572	EA	2
704869	0.7950	EA	10
7050	10.2926	EA	2
7051	7.1974	KT	1
7053	1.0957	EA	10
7054-HD	0.7867	EA	10
7055	6.3918	EA	5
7056	9.6248	EA	2
7057	6.0314	EA	2
7058	9.1478	EA	2
7059	7.9818	EA	2
705926	0.7950	EA	10
705998	0.4558	EA	10
706	0.5786	EA	25
7061	8.3961	EA	2
706200	5.3318	EA	5
706201	18.7090	EA	5
706393	0.4240	EA	10
7064	5.5332	EA	2
7066	6.6356	EA	2
7067	6.3388	EA	2
7068	8.4857	EA	1
7069	4.0598	EA	2
707	0.5502	EA	25
707115	0.5088	EA	10
7073	10.1018	EA	2
7074	10.1018	EA	2
707959	0.4558	EA	10
708	0.2157	EA	50
7084	3.3465	EA	2
7086	8.9782	EA	2
708669	15.5871	EA	1
7087	0.1349	EA	50
7088	0.1040	EA	50
7089	7.7274	EA	2
709	1.4971	EA	10
7094-A	0.8613	EA	25
709412	0.7950	EA	10
709601	6.6038	EA	1
709602	9.0948	EA	1
709603	12.0135	EA	1
709604	16.1880	EA	2
709605	45.5608	EA	2
709610	16.7736	EA	2
709611	10.4371	EA	2
709612	12.8605	EA	2
709613	21.1010	EA	1
709614	28.0659	EA	1
709620	16.9282	EA	2
709622	15.3170	EA	1
709623	21.6573	EA	1
709624	28.2514	EA	1
709625	68.2484	EA	1
709699	3.1087	EA	10
709700	22.2176	EA	5
709701	19.3980	EA	5
709702	22.6946	EA	5
709703	100.0657	EA	2
709704	31.0580	EA	2
709705	30.9414	EA	2
709706	127.9407	EA	2
709742	0.4240	EA	10
7098	1.6000	KT	5
709849	0.5596	EA	10
71	0.1840	EA	25
710000	43.6130	EA	1
710001	52.7642	EA	1
710002	90.3515	EA	1
710020	31.3621	EA	1
710021	35.7820	EA	1
710022	85.8335	EA	1
710030	4.7163	EA	1
710031	4.7163	EA	1
710032	5.3345	EA	1
710040	15.0334	EA	1
710041	17.3884	EA	1
710042	25.2531	EA	1
710045	13.5909	EA	1
710046	16.4697	EA	1
710047	25.8198	EA	1
710081	0.4110	EA	10
710190	3.4330	EA	1
710213	4.0764	EA	1
71022LG	60.0968	EA	1
710500	0.5080	EA	25
710501	0.9840	EA	25
710502	0.8109	EA	25
710502X	26.1821	EA	1
710503	1.0282	EA	25
710504	0.8222	EA	10
710505	1.2406	EA	10
710506	0.9854	EA	10
710510	0.9854	EA	25
710512	0.7311	EA	25
710513	0.7311	EA	25
710514	0.8265	EA	10
710515	0.9854	EA	10
710516	1.0172	EA	10
710579	0.4558	EA	10
71060LG	5.5620	EA	1
711	0.4876	EA	25
711429	9.2538	EA	1
712101	1.3381	EA	5
712102	9.4937	EA	1
712105	13.5302	EA	2
712112	4.5783	EA	2
712113	11.5973	EA	2
712115	38.1008	EA	1
712116	35.1092	EA	1
712122	12.1743	EA	2
712130	3.8932	EA	5
712131	4.7862	EA	5
712132	2.5360	EA	5
712133	2.6788	EA	5
712135	3.3575	EA	2
712136	12.9298	EA	1
712137	19.4305	EA	1
712138	12.7870	EA	1
712150	5.9896	EA	2
712151	7.7755	EA	5
712153	17.0346	EA	2
712155	17.8204	EA	2
712160	4.0389	EA	5
712169	9.8086	EA	2
712171	16.2653	EA	2
712172	14.8641	EA	2
712173	28.4176	EA	1
712174	26.3762	EA	1
712175	35.0858	EA	1
712181	22.4198	EA	2
712185	12.9408	EA	2
712195	30.0304	EA	1
712200	42.3911	EA	1
712205	22.7690	EA	2
712206	36.2559	EA	2
712211	5.5005	EA	2
712214	20.1774	EA	2
712215	22.7161	EA	2
712216	37.5782	EA	2
712221	6.9814	EA	2
712225	6.0294	EA	5
712230	6.8118	EA	2
712231	8.8917	EA	2
712232	13.7651	EA	1
712235	1.9370	EA	5
712236	2.6445	EA	5
712237	3.5615	EA	5
712238	7.2260	EA	5
712239	7.2260	EA	2
712240	9.7777	EA	2
712241	13.6311	EA	2
712242	34.6026	EA	2
712245	1.7515	EA	6
712246	2.3423	EA	5
712247	3.3176	EA	4

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
712248	4.1075	EA	4
712249	5.3542	EA	2
712250	9.5167	EA	2
712251	15.6265	EA	2
712252	26.9758	EA	2
712255	1.9432	EA	5
712256	1.9432	EA	5
712257	1.6151	EA	5
712258	1.9150	EA	5
712259	1.7083	EA	5
712260	2.4687	EA	5
712261	3.1021	EA	2
712262	4.5383	EA	2
712263	11.5507	EA	2
712264	6.4815	EA	2
712265	16.7564	EA	1
712266	25.4585	EA	1
712287	0.5512	EA	10
712689	3.5072	EA	1
7130	6.0102	EA	2
7131	7.1411	EA	2
7132	8.6920	EA	1
713653	8.6284	EA	1
7140	6.8083	EA	1
715	0.6028	EA	25
715000	4.9608	EA	10
715001	4.6330	EA	10
715011	5.3508	EA	10
715012	6.2094	EA	10
715013	10.1418	EA	10
715014	11.4469	EA	10
715020	3.3351	EA	10
715021	2.6795	EA	10
715022	2.9646	EA	10
715023	4.3613	EA	10
715024	5.3305	EA	10
715030	4.0763	EA	10
715031	4.9600	EA	10
715032	5.0740	EA	10
715033	5.5016	EA	10
715034	5.6441	EA	10
715035	5.5301	EA	10
715040	4.4184	EA	10
715041	4.4754	EA	10
715042	6.0147	EA	10
715043	7.8390	EA	10
715051	9.5030	EA	5
715060	5.6173	EA	10
715061	12.6987	EA	5
715520	1.0647	EA	5
715526	2.8506	EA	5
715546	3.6803	EA	10
715548	4.7505	EA	5
715558	2.8272	EA	5
715572	2.5387	EA	5
715575	3.2888	EA	5
716	1.4851	EA	25
7160	8.1196	EA	2
7161	6.1586	EA	2
7162	7.6426	EA	2
7163	6.2752	EA	2
7164	3.1672	EA	2
7165	5.6710	EA	2
7166	7.1126	EA	2
7167	5.9890	EA	2
7168	6.7840	EA	2
7169	12.4974	EA	1
717	2.1392	EA	25
718	1.8544	EA	25
7190	2.5459	EA	2
7191	2.5237	EA	2
7192	1.7447	EA	2
7193	2.0875	EA	2
71A-5570-001	88.7956	EA	1
71A-5770-001	110.1640	EA	1
71A-6071-001	136.6231	EA	1
71A-6572-001	201.7644	EA	1
71A-7971-001D	122.0053	EA	1
71A-8071-001D	127.6542	EA	1
71A-8172-001D	154.1080	EA	1
71A-8271-001D	228.5654	EA	1
71A-8473-001D	229.8330	EA	1
71A-8773-001D	331.8761	EA	1
72	2.9920	EA	5
720-1	0.7481	EA	1
7200	2.3440	EA	1
72002	0.2502	EA	100
72004	0.1686	EA	100
72006	0.1706	EA	100
72008	0.1698	EA	100
72010	0.1088	EA	100
72012	0.0804	EA	100
72014	0.1763	EA	100
72016	0.1777	EA	100
72018	0.1036	EA	100
72020	0.1050	EA	100
72022	0.1088	EA	100
72024	0.1143	EA	100
72026	0.1206	EA	100
72028	0.1050	EA	100
72030	0.1088	EA	100
72032	0.1130	EA	100
72034	0.1220	EA	100
72036	0.1223	EA	100
72038	0.1450	EA	100
72040	0.1469	EA	100
72042	0.1530	EA	100
72044	0.1598	EA	100
72046	0.1687	EA	100
72048	0.1758	EA	100
72050	0.1974	EA	100
72052	0.1044	EA	100
72054	0.1488	EA	100
72056	0.1550	EA	100
72058	0.1607	EA	100
72060	0.1716	EA	100
72062	0.1882	EA	100
72064	0.2083	EA	100
72066	0.2203	EA	100
72068	0.2320	EA	100
72070	0.1594	EA	100
72072	0.1656	EA	100
72074	0.1720	EA	100
72076	0.1848	EA	100
72078	0.1997	EA	100
72080	0.2150	EA	100
72082	0.2257	EA	100
72084	0.2374	EA	100
72086	0.2461	EA	100
72088	0.2721	EA	100
72090	0.1597	EA	100
72092	0.1879	EA	100
72094	0.1945	EA	100
72096	0.2077	EA	100
72098	0.2239	EA	100
721	0.1937	EA	25
72100	0.2426	EA	100
72102	0.2599	EA	100
72104	0.2986	EA	100
72106	0.3240	EA	100
72108	0.3560	EA	100
72110	0.4148	EA	100
72112	0.5321	EA	100
72114	0.5597	EA	100
72115	0.9700	EA	100
72116	0.5684	EA	100
72117	0.7330	EA	100
72118	0.2172	EA	100
72120	0.2309	EA	100
72122	0.2418	EA	100
72124	0.2529	EA	100
72126	0.2679	EA	100
72128	0.2880	EA	100
72130	0.3078	EA	100
72132	0.3336	EA	100
72134	0.3613	EA	100
72136	0.3918	EA	100
72138	0.4994	EA	100
72140	0.5897	EA	100
72142	0.8536	EA	100
72144	0.8595	EA	100
72146	0.9098	EA	50
72148	0.9504	EA	50
72150	0.2806	EA	100
72152	0.2843	EA	100
72154	0.2893	EA	100
72156	0.3058	EA	100
72158	0.0390	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
72160.....	0.3560	EA	100
72162.....	0.3901	EA	100
72164.....	0.4255	EA	50
72166.....	0.4612	EA	50
72168.....	0.6335	EA	50
72170.....	0.6963	EA	50
72172.....	0.9541	EA	50
72174.....	1.0382	EA	50
72176.....	1.0740	EA	50
72178.....	1.1775	EA	50
72180.....	1.3850	EA	50
72182.....	1.5238	EA	50
72184.....	1.8099	EA	50
72185.....	2.5923	EA	50
72188.....	0.8918	EA	100
72190.....	0.4966	EA	100
72192.....	0.5485	EA	100
72194.....	0.5574	EA	100
72196.....	0.6209	EA	50
72198.....	0.6752	EA	50
721ST-12.....	5409.5650	EA	1
721ST-16.....	6623.5225	EA	1
721ST-20.....	12533.5788	EA	1
721ST-8.....	4408.5825	EA	1
72200.....	0.7353	EA	50
72202.....	0.7959	EA	50
72204.....	0.8755	EA	50
72206.....	0.9375	EA	50
72208.....	0.9448	EA	25
72210.....	1.2095	EA	25
72214.....	1.3253	EA	25
72216.....	1.5947	EA	25
72218.....	1.0779	EA	50
72220.....	1.0779	EA	50
72222.....	0.4148	EA	50
72224.....	0.5378	EA	50
72226.....	0.5694	EA	50
72228.....	0.6301	EA	50
72230.....	0.6898	EA	50
72232.....	0.7513	EA	50
72234.....	0.8135	EA	50
72236.....	0.8755	EA	25
72238.....	0.9375	EA	25
72240.....	1.0816	EA	25
72242.....	1.2095	EA	25
72244.....	1.3029	EA	25
72246.....	1.3942	EA	25
72247.....	1.6113	EA	25
72248.....	1.6532	EA	25
72250.....	1.9842	EA	25
72252.....	2.1919	EA	25
72254.....	2.7149	EA	25
72256.....	3.2287	EA	25
72258.....	3.8767	EA	10
72260.....	4.5190	EA	10
72262.....	5.4648	EA	10
72264.....	1.0860	EA	25
72266.....	1.1014	EA	25
72268.....	1.1237	EA	25
72270.....	1.2192	EA	25
72271.....	1.9137	EA	25
72272.....	1.3156	EA	25
72274.....	1.4473	EA	25
72276.....	1.5051	EA	25
72278.....	1.6772	EA	25
72280.....	1.8347	EA	25
72282.....	1.9538	EA	25
72284.....	2.0651	EA	25
72286.....	2.3244	EA	25
72288.....	3.0305	EA	25
72290.....	3.7366	EA	25
72292.....	3.8767	EA	10
72294.....	3.9818	EA	10
72296.....	4.2154	EA	10
72298.....	4.3672	EA	10
723.....	0.7373	EA	25
72300.....	7.8528	EA	10
72302.....	1.7719	EA	25
72304.....	1.8655	EA	25
72306.....	2.0772	EA	25
72308.....	2.2210	EA	25
72310.....	2.3979	EA	25
72312.....	2.5769	EA	25
72314.....	3.2812	EA	25
72316.....	3.4856	EA	25
72318.....	3.8125	EA	25
72320.....	4.1336	EA	25
72321.....	4.6649	EA	25
72322.....	4.8109	EA	25
72324.....	5.3013	EA	25
72326.....	5.7392	EA	25
72328.....	6.2764	EA	10
72330.....	6.6967	EA	10
72332.....	7.9754	EA	10
72334.....	8.5359	EA	10
72336.....	13.0140	EA	10
72338.....	4.0869	EA	10
72340.....	4.3730	EA	10
72342.....	4.4197	EA	10
72344.....	5.1204	EA	10
72346.....	5.9669	EA	10
72348.....	6.2238	EA	10
72350.....	7.0120	EA	10
72352.....	8.1914	EA	10
72354.....	10.1881	EA	10
72356.....	12.2316	EA	10
72358.....	13.1015	EA	10
72360.....	13.9189	EA	10
72364.....	16.0091	EA	10
72366.....	18.4087	EA	10
72368.....	5.5933	EA	10
72370.....	6.2063	EA	10
723705.....	0.1556	EA	25
72372.....	6.5916	EA	10
72374.....	7.0179	EA	10
723744.....	1.0115	EA	15
72376.....	7.5492	EA	10
72378.....	8.0629	EA	10
72380.....	8.2439	EA	10
72382.....	12.1557	EA	10
72384.....	13.2650	EA	10
72386.....	14.4969	EA	10
72388.....	15.7172	EA	10
72390.....	16.1317	EA	10
72392.....	17.1535	EA	10
72394.....	23.8502	EA	10
72396.....	28.2174	EA	10
72400.....	19.5881	EA	1
72402.....	20.1194	EA	1
72404.....	21.2929	EA	1
72406.....	22.8868	EA	1
72408.....	23.9086	EA	1
72410.....	25.6309	EA	1
72412.....	27.4992	EA	1
72414.....	31.2475	EA	1
72416.....	32.6721	EA	1
72418.....	34.6047	EA	1
72420.....	38.3121	EA	1
72422.....	44.7052	EA	1
72424.....	70.9667	EA	1
72428.....	29.1574	EA	1
72430.....	31.2884	EA	1
72432.....	33.7698	EA	1
72434.....	35.6322	EA	1
72436.....	37.4947	EA	1
72438.....	39.3572	EA	1
72440.....	41.3251	EA	1
72442.....	43.3913	EA	1
72444.....	45.5609	EA	1
725.....	0.7918	EA	25
727000.....	6.5189	EA	4
727001.....	6.5189	EA	4
727002.....	6.2964	EA	4
727004.....	8.6847	EA	2
727005.....	8.6847	EA	2
727006.....	6.0043	EA	2
727007.....	4.8892	EA	2
727400.....	7.3981	EA	1
727401.....	7.9128	EA	1
727402.....	8.5715	EA	1
727403.....	9.5046	EA	1
727405.....	47.6961	EA	1
727406.....	47.6961	EA	1
727600.....	38.4213	EA	1
727601.....	40.1962	EA	1
727602.....	38.6301	EA	1
727603.....	38.4735	EA	1
727604.....	40.6399	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
727605.....	21.4143	EA	1
727606.....	24.9853	EA	1
727607.....	26.6338	EA	1
727608.....	40.1962	EA	1
727609.....	42.3626	EA	1
727620.....	2.6101	EA	10
727621.....	3.2888	EA	10
727800.....	12.7313	EA	2
727801.....	12.9958	EA	2
727802.....	20.0226	EA	2
727803.....	20.2870	EA	2
727804.....	25.8404	EA	2
727805.....	25.2737	EA	2
727806.....	39.6295	EA	2
727815.....	22.4404	EA	2
727816.....	23.4226	EA	2
727817.....	38.4584	EA	2
727825.....	22.3270	EA	2
727826.....	23.2715	EA	2
727827.....	36.5695	EA	2
727828.....	39.6295	EA	2
727830.....	4.1178	EA	2
727832.....	12.0513	EA	2
727833.....	16.0936	EA	2
727850.....	2.7136	EA	5
727855.....	9.8262	EA	5
727856.....	2.7196	EA	5
727857.....	2.9315	EA	5
727858.....	13.0328	EA	5
728400.....	14.8514	EA	1
728450.....	7.0580	EA	1
728750.....	7.5684	EA	2
728751.....	14.3800	EA	2
7290.....	0.6342	EA	25
7291.....	0.6342	EA	25
729100.....	13.6231	EA	5
729105.....	13.6231	EA	5
729106.....	13.6231	EA	5
729110.....	2.2705	EA	5
729111.....	4.2383	EA	5
729115.....	2.2705	EA	5
729116.....	2.5733	EA	5
729150.....	18.7197	EA	5
729151.....	16.1703	EA	5
729155.....	18.6831	EA	5
729156.....	17.0180	EA	5
729160.....	16.5279	EA	2
729161.....	25.6980	EA	2
729165.....	2.7900	EA	5
729166.....	3.0080	EA	5
729170.....	2.4585	EA	5
729171.....	2.4428	EA	5
729175.....	7.4712	EA	5
729176.....	9.4526	EA	5
7292.....	0.6342	EA	25
729200.....	26.1111	EA	2
729201.....	48.2313	EA	2
729202.....	45.2668	EA	2
729204.....	28.2099	EA	1
729205.....	28.2099	EA	1
729206.....	28.2099	EA	1
729207.....	28.2099	EA	1
729208.....	28.2099	EA	1
729209.....	28.2099	EA	1
729210.....	60.4932	EA	1
729211.....	60.4932	EA	1
729212.....	60.4932	EA	1
729213.....	60.4932	EA	1
729214.....	60.4932	EA	1
729215.....	60.4932	EA	1
729216.....	60.4932	EA	1
729222.....	31.9190	EA	1
729223.....	31.9190	EA	1
729224.....	31.9190	EA	1
729225.....	31.9190	EA	1
729226.....	31.9190	EA	1
729227.....	31.9190	EA	1
729230.....	13.9228	EA	1
729231.....	12.6864	EA	1
729232.....	12.6864	EA	1
729233.....	12.6864	EA	1
729234.....	12.6864	EA	1
729235.....	12.6864	EA	1
729240.....	14.1701	EA	1
729241.....	14.1701	EA	1
729242.....	14.1701	EA	1
729245.....	14.1701	EA	1
729246.....	14.1701	EA	1
729250.....	14.9119	EA	1
729251.....	13.1260	EA	1
729252.....	13.1260	EA	1
729253.....	13.1260	EA	1
729254.....	13.1260	EA	1
729255.....	13.1260	EA	1
729256.....	13.1260	EA	1
729260.....	15.0493	EA	1
729261.....	13.4557	EA	1
729262.....	13.4557	EA	1
729263.....	13.4557	EA	1
729264.....	13.4557	EA	1
729265.....	13.4557	EA	1
729266.....	13.4557	EA	1
729270.....	12.0545	EA	1
729271.....	11.1203	EA	1
729272.....	11.1203	EA	1
729273.....	11.1203	EA	1
729274.....	11.1203	EA	1
729275.....	11.1203	EA	1
729276.....	11.1203	EA	1
729280.....	14.3624	EA	1
729281.....	14.3624	EA	1
7293.....	0.6386	EA	25
729300.....	5.9916	EA	10
729320.....	8.1018	EA	10
729321.....	8.2149	EA	10
729322.....	8.2149	EA	10
729323.....	10.7397	EA	10
729324.....	11.2672	EA	10
729330.....	7.7627	EA	10
729331.....	7.7627	EA	10
729332.....	7.7627	EA	10
729333.....	11.1542	EA	10
729334.....	11.5687	EA	10
7294.....	0.6342	EA	25
729400.....	47.5228	EA	1
729401.....	47.5228	EA	1
729402.....	47.5228	EA	1
729410.....	60.5900	EA	1
729411.....	51.6461	EA	1
729412.....	53.0206	EA	1
729415.....	46.4272	EA	1
729416.....	53.5584	EA	1
729417.....	50.7298	EA	1
729420.....	41.1685	EA	1
729421.....	35.5312	EA	1
729422.....	35.5312	EA	1
729430.....	26.3085	EA	1
729431.....	26.3085	EA	1
729435.....	22.2848	EA	1
729436.....	22.2848	EA	1
729440.....	17.9423	EA	1
729441.....	17.9423	EA	1
729445.....	43.3995	EA	1
729446.....	43.3995	EA	1
729447.....	43.3995	EA	1
729450.....	35.7105	EA	1
729451.....	35.7105	EA	1
729452.....	42.6624	EA	1
729455.....	37.6825	EA	1
729456.....	39.3757	EA	1
729460.....	66.2471	EA	1
729461.....	66.2471	EA	1
729462.....	66.2471	EA	1
729465.....	74.2424	EA	1
729466.....	102.3218	EA	1
729467.....	78.5176	EA	1
729470.....	2.9999	EA	1
729471.....	6.2892	EA	1
729472.....	18.4546	EA	1
729473.....	4.6626	EA	1
729474.....	5.6719	EA	1
7295.....	0.6342	EA	25
729561.....	0.7400	EA	100
729562.....	0.7000	EA	100
729563.....	0.7400	EA	100
729564.....	0.8075	EA	100
729565.....	1.2000	EA	100
729566.....	1.2500	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
729567	1.2600	EA	50
729568	1.3900	EA	50
729569	1.4900	EA	50
729570	1.5600	EA	50
729571	1.6600	EA	50
729572	2.0200	EA	50
729573	2.4000	EA	50
729574	2.3400	EA	50
729575	2.7600	EA	25
729576	3.0500	EA	25
729577	3.6000	EA	25
729578	4.2000	EA	25
729579	4.8700	EA	25
729580	5.5200	EA	25
729581	6.0000	EA	25
729582	4.6100	EA	25
729583	5.3500	EA	25
729584	5.6900	EA	25
729585	6.3600	EA	25
729586	7.0800	EA	25
729587	8.1400	EA	25
729588	9.1700	EA	20
729589	10.6200	EA	20
729590	7.6100	EA	20
729591	8.1100	EA	20
729592	8.8800	EA	20
729593	9.6500	EA	20
729594	10.3900	EA	10
729595	12.1700	EA	10
729596	14.4000	EA	10
729597	17.4000	EA	10
729598	17.5900	EA	5
729599	21.1200	EA	5
7296	0.6342	EA	25
729600	22.8000	EA	5
729601	25.9200	EA	5
729602	24.2000	EA	5
729603	31.6900	EA	5
729604	37.2000	EA	5
729605	44.7000	EA	5
729606	51.0000	EA	5
729607	0.2000	EA	100
729608	0.2100	EA	100
729609	0.2200	EA	100
729610	0.2300	EA	100
729611	0.2900	EA	100
729612	0.3300	EA	100
729613	0.4000	EA	100
729614	0.2000	EA	100
729615	0.2100	EA	100
729616	0.2200	EA	100
729617	0.2300	EA	100
729618	0.2900	EA	100
729619	0.3300	EA	100
729620	0.4000	EA	100
729621	0.3200	EA	100
729622	0.3400	EA	100
729623	0.3500	EA	100
729624	0.6600	EA	100
729625	0.8100	EA	100
729626	0.2200	EA	100
729627	0.2300	EA	100
729628	0.2600	EA	100
729629	0.2800	EA	100
729630	0.3200	EA	100
729631	0.3400	EA	100
729632	0.3500	EA	100
729633	0.6600	EA	100
729634	0.8100	EA	100
729635	0.5600	EA	50
729636	0.7400	EA	50
729637	0.8200	EA	50
729638	0.8600	EA	50
729639	0.9900	EA	25
729640	1.0600	EA	50
729641	1.1000	EA	25
729642	1.3300	EA	50
729643	1.4400	EA	25
729644	2.0000	EA	20
729645	1.9400	EA	10
729646	2.1600	EA	10
729647	2.4200	EA	10
729648	2.5700	EA	10
729649	2.5800	EA	10
729650	2.8900	EA	10
729651	3.3300	EA	10
7297	0.6342	EA	25
729730	0.6300	EA	50
7298	0.6342	EA	25
72A	0.5503	EA	25
73-14050-	4.4549	EA	12
73-14150-	6.7788	EA	12
73-14300-	3.4055	EA	12
73-14350-	6.4042	EA	12
73-14400-	4.7017	EA	12
73-14550-	4.7017	EA	12
73-14600	1.0486	EA	12
73-14650-	7.9886	EA	12
73-14750-	6.2011	EA	12
73-14800	1.3466	EA	12
73-14850-	9.7955	EA	12
73-14950-	11.1339	EA	6
73-15000	1.6990	EA	6
73-15050-	13.3902	EA	6
73-15150-	15.0731	EA	6
73-15250-	18.4787	EA	6
73-18750-	7.7933	EA	12
73-18800-	9.8162	EA	12
73-22700-	6.1884	EA	12
73-22800-	7.6040	EA	12
73-22950-	6.4223	EA	12
73-23050-	6.5722	EA	12
73-23200-	8.0462	EA	12
73-23250	1.2988	EA	12
73-23300-	9.5152	EA	12
73-23400-	7.0144	EA	12
73-23450	1.6846	EA	12
73-23500-	8.7172	EA	12
73-23600-	13.0491	EA	6
73-23650	2.2672	EA	12
73-23700-	17.0557	EA	6
73-23800	2.7405	EA	6
73-23900	3.4762	EA	6
73-23950	3.6424	EA	6
73-24300-	8.8189	EA	12
73-24350-	9.8588	EA	12
73-24400-	13.1167	EA	6
73-24450	3.1018	EA	6
73-25550-	10.9362	EA	12
73-25600-	14.8797	EA	6
73-27500	1.6789	EA	12
73-27550	2.0590	EA	12
73-27600	2.7523	EA	6
73-31500-	9.4463	EA	12
73-31550-	1.7401	EA	12
73-31600-	10.9560	EA	12
73-31700-	9.7462	EA	12
73-31750	1.6254	EA	12
73-31800-	11.4617	EA	12
73-31900-	8.3614	EA	12
73-31950	1.9119	EA	12
73-32000-	13.9981	EA	12
73-32100-	14.6335	EA	12
73-32150	2.3359	EA	12
73-32200-	16.7149	EA	12
73-32300-	18.8040	EA	6
73-32350	3.0063	EA	6
73-32400-	21.5843	EA	6
73-32500-	21.7724	EA	6
73-37300	2.5327	EA	12
73-37400	3.3864	EA	12
73-37450	3.8181	EA	6
73-39300-	5.4690	EA	12
73-39400-	6.5211	EA	12
73-39600-	5.4308	EA	12
73-39650	0.9072	EA	12
73-39700-	6.8449	EA	12
73-39850-	4.7525	EA	12
73-39900	1.1376	EA	1
73-39950-	8.0943	EA	12
73-40050-	6.6078	EA	12
73-40150-	10.4350	EA	12
73-40250-	11.1593	EA	6
73-40350-	13.8888	EA	6
73-42800-	7.1717	EA	12
73-42900	1.2472	EA	12
73-43000-	8.5365	EA	12
73-43100	1.5585	EA	12

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
73-43300.....	2.0323	EA	12
73-43400.....	2.3455	EA	6
73-47900.....	1.0543	EA	12
73-48100.....	1.1403	EA	12
73-48250.....	1.4401	EA	12
73-49850-.....	9.5844	EA	12
73-49950-.....	9.0981	EA	12
73-50000-.....	12.2404	EA	12
73-50050.....	2.0399	EA	12
73-50100-.....	14.9969	EA	12
73-50150-.....	14.5912	EA	12
73-50200.....	2.3092	EA	12
73-50250-.....	16.4262	EA	12
73-50300-.....	17.1825	EA	12
73-50350.....	2.8827	EA	12
73-50400-.....	20.9388	EA	12
73-51650-.....	9.0575	EA	12
73-51750.....	1.5127	EA	12
73-51800-.....	10.7984	EA	12
73-51900.....	1.8871	EA	12
73-51950-.....	13.4390	EA	12
73-52050.....	2.2634	EA	12
73-53700-.....	3.7972	EA	12
73-53800-.....	5.6251	EA	12
73-53850-.....	7.6615	EA	12
73-58050-.....	7.6615	EA	12
73-717-BD.....	14.6896	EA	1
73-74061.....	4.7276	EA	12
73-770-BD.....	62.1132	EA	1
73.....	6.8880	EA	5
730.....	0.6341	EA	25
7300.....	3.5042	EA	5
730000.....	1.8632	EA	5
730001.....	2.1513	EA	5
730002.....	2.0611	EA	5
730003.....	2.3986	EA	5
730004.....	2.1548	EA	5
730005.....	2.3407	EA	5
730010.....	3.0553	EA	5
730011.....	3.6239	EA	5
730012.....	4.2665	EA	2
730015.....	1.4342	EA	5
730016.....	1.7224	EA	5
73002.....	0.2181	EA	100
730020.....	2.9093	EA	5
730021.....	5.3524	EA	5
730022.....	5.9013	EA	2
730023.....	2.2366	EA	2
730024.....	4.0207	EA	1
730025.....	7.1901	EA	1
730030.....	1.6007	EA	5
730031.....	2.2794	EA	5
730032.....	5.8185	EA	2
730033.....	2.9748	EA	2
73004.....	0.0367	EA	100
730040.....	1.9700	EA	5
730041.....	2.2010	EA	5
730042.....	3.2592	EA	2
730043.....	2.7925	EA	2
730050.....	0.4770	EA	25
730055.....	6.2176	EA	5
730056.....	6.2389	EA	5
730057.....	7.7720	EA	5
730058.....	5.6498	EA	2
73006.....	0.2608	EA	100
730060.....	2.2958	EA	5
73008.....	0.3831	EA	100
73014.....	0.1773	EA	100
73016.....	0.2469	EA	100
73018.....	0.0180	EA	100
73020.....	0.0261	EA	100
73022.....	0.0986	EA	100
73024.....	0.1072	EA	100
73026.....	0.0195	EA	100
73028.....	0.1488	EA	100
73030.....	0.1550	EA	100
73032.....	0.1716	EA	100
73034.....	0.1516	EA	100
73036.....	0.1573	EA	100
73038.....	0.1638	EA	100
73040.....	0.1758	EA	100
73042.....	0.1928	EA	100
73044.....	0.2047	EA	100
73046.....	0.2149	EA	100
73048.....	0.2259	EA	100
73050.....	0.2345	EA	100
73052.....	0.2591	EA	100
73054.....	0.1124	EA	100
73056.....	0.1789	EA	100
73058.....	0.1853	EA	100
73060.....	0.1979	EA	100
73062.....	0.2260	EA	100
73064.....	0.2311	EA	100
73066.....	0.2476	EA	100
73068.....	0.2843	EA	100
73070.....	0.3307	EA	100
73072.....	0.3390	EA	100
73074.....	0.3451	EA	100
73076.....	0.1621	EA	100
73078.....	0.2304	EA	100
7308.....	13.8970	EA	2
73080.....	0.2410	EA	100
73082.....	0.2679	EA	100
73084.....	0.2742	EA	100
73086.....	0.2931	EA	100
73088.....	0.3178	EA	100
73090.....	0.3543	EA	100
73092.....	0.3734	EA	100
73094.....	0.5065	EA	100
73096.....	0.6397	EA	100
73098.....	0.2744	EA	100
73100.....	0.2744	EA	100
731000.....	6.1692	EA	1
731001.....	8.7662	EA	1
731002.....	9.1902	EA	1
731003.....	9.4976	EA	1
731004.....	11.6962	EA	1
73102.....	0.2757	EA	100
73104.....	0.3036	EA	100
73106.....	0.3093	EA	100
73108.....	0.3390	EA	100
73110.....	0.3716	EA	100
73112.....	0.4053	EA	50
73114.....	0.4692	EA	50
73116.....	0.5078	EA	50
73118.....	0.6630	EA	50
73119.....	0.8260	EA	50
7312.....	11.8508	EA	1
73120.....	0.9890	EA	50
73122.....	0.5307	EA	100
73124.....	0.5911	EA	50
73126.....	0.6429	EA	50
73128.....	0.7581	EA	50
7313.....	14.2358	EA	1
73130.....	0.5424	EA	50
73132.....	0.6001	EA	50
73134.....	0.6570	EA	50
73136.....	0.7513	EA	50
73138.....	0.7748	EA	50
73140.....	0.8755	EA	25
73142.....	0.8928	EA	25
73143.....	1.0808	EA	25
73144.....	1.1520	EA	25
73145.....	1.3258	EA	25
73146.....	1.0334	EA	25
73148.....	1.0362	EA	25
73150.....	1.0702	EA	25
73152.....	1.2123	EA	25
73154.....	1.2728	EA	25
73155.....	1.4115	EA	25
73156.....	1.4333	EA	25
73158.....	2.0040	EA	25
73160.....	2.5573	EA	25
731600.....	184.9630	BX	1
73164.....	2.6507	EA	25
73168.....	2.7324	EA	25
73172.....	3.7717	EA	20
73176.....	3.4669	EA	25
731800.....	184.9630	BX	1
7329.....	50.2546	RL	1
733835.....	0.0823	EA	50
733900.....	0.0349	EA	100
734-20156-140...	3.3657	EA	60
734-20156-141...	4.8940	EA	60
734-20156-160...	5.0657	EA	50
7343-NA.....	1.3250	EA	10
7343.....	1.0038	EA	10
7344.....	12.8366	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
7345	8.7450	EA	1
7346	0.8579	EA	10
7347	14.0344	EA	1
735	0.1513	EA	50
7350-1	1.3356	EA	10
7350	0.9328	EA	10
735000	1.4416	EA	5
735001	1.4946	EA	5
735002	1.1236	EA	5
735003	1.2932	EA	5
735004	2.1624	EA	5
735005	3.0104	EA	2
735006	3.4344	EA	2
735007	5.0244	EA	2
735008	20.2124	EA	2
735009	27.1363	EA	1
735010	56.8313	EA	1
7351-1	1.6006	EA	10
7351	1.0706	EA	10
7352-1	1.9822	EA	5
7352	1.2508	EA	5
7353	1.4204	EA	5
7354-1	1.5370	EA	2
7354	1.0918	EA	2
735400	205.5145	BX	1
7355-1	2.0352	EA	2
7355	1.5370	EA	2
7356-1	2.5016	EA	2
7356	1.6430	EA	2
735600	205.5145	BX	1
7357-1	1.6572	EA	2
7357	1.6229	EA	2
736	0.2544	EA	25
736000	1.0812	EA	5
736001	1.0812	EA	5
736002	0.8480	EA	5
736003	1.0176	EA	5
736004	1.5264	EA	5
736005	1.9504	EA	2
736006	2.6394	EA	2
736007	3.8478	EA	2
736008	9.9702	EA	2
736009	13.9021	EA	1
736010	26.8874	EA	1
737	0.2559	EA	50
7370-D	175.3829	KT	1
7370	0.9540	EA	15
737000	4.3248	EA	5
737001	5.0774	EA	5
737002	4.3248	EA	5
737003	5.0774	EA	5
737004	5.8300	EA	5
737005	6.9112	EA	2
737006	10.3562	EA	2
737007	14.9142	EA	2
7371	0.9540	EA	15
7372	0.9540	EA	15
7373	0.9540	EA	15
7374	0.9540	EA	15
7375	0.9540	EA	15
7376	0.9540	EA	15
737600	210.6524	BX	1
7377	0.9540	EA	15
7378-1	0.9540	EA	15
7378	0.9540	EA	15
7379	14.0344	EA	1
7380-D	32.1283	KT	1
7380-P	220.8200	KT	1
7380-R	45.3468	KT	1
7380	2.3426	EA	10
7381	2.3426	EA	10
7382	2.3426	EA	10
7383	2.3426	EA	10
7384-1	3.9856	EA	10
7384	2.3426	EA	10
7385-100	6.1904	EA	1
7385-125	6.1904	EA	1
7385-150	6.1904	EA	1
7385-175	6.1904	EA	1
7385-200	6.1904	EA	1
7385-225	7.3330	EA	1
7385-250	6.1904	EA	1
7386-50	5.7308	EA	10
7386-80	5.7308	EA	10
7394	38.1648	EA	1
74	6.3960	EA	5
740000	1.6218	EA	5
740001	1.8274	EA	5
740002	1.7808	EA	5
740003	2.0249	EA	5
740004	2.2578	EA	5
740005	4.4871	EA	5
740006	4.4871	EA	5
740007	3.3072	EA	5
740008	6.1383	EA	5
740009	6.1383	EA	5
740010	6.1383	EA	5
740011	4.5898	EA	5
740014	11.1370	EA	2
740015	11.1370	EA	2
740016	8.2150	EA	2
740017	12.8470	EA	1
740018	9.8156	EA	1
740019	19.4572	EA	1
740020	14.9778	EA	1
740025	1.2508	EA	5
740026	1.8020	EA	5
740027	2.1200	EA	5
740028	2.1942	EA	5
740029	2.7560	EA	5
740030	4.1446	EA	5
740031	7.4942	EA	2
740032	9.8474	EA	2
740033	12.5822	EA	2
740040	2.6076	EA	5
740041	2.9150	EA	5
740042	3.8417	EA	5
740043	2.7878	EA	5
740044	5.6500	EA	5
740045	5.6500	EA	5
740046	4.1658	EA	5
740047	7.6358	EA	2
740048	7.6358	EA	2
740049	5.7240	EA	2
740050	8.3528	EA	2
740051	15.7771	EA	1
740052	12.0204	EA	1
740053	20.0764	EA	1
740060	1.3674	EA	5
740061	1.6218	EA	5
740062	1.8868	EA	5
740063	2.6818	EA	5
740064	3.8690	EA	5
740065	5.8724	EA	2
740066	9.3280	EA	2
740067	11.0770	EA	1
740068	15.6244	EA	1
740075	3.1482	EA	5
740076	3.1482	EA	5
740077	3.7312	EA	5
740078	4.1022	EA	5
740079	5.9678	EA	5
740080	7.2822	EA	2
740081	11.6706	EA	2
740082	13.8860	EA	1
740083	19.5570	EA	1
740090	2.5228	EA	5
740091	2.5228	EA	5
740092	3.1058	EA	5
740093	3.3072	EA	5
740094	4.7700	EA	5
740095	6.7204	EA	2
740096	11.8402	EA	2
740097	15.7516	EA	1
740098	19.9810	EA	1
740107	4.3036	EA	5
740113	28.3444	EA	1
740120	1.1236	EA	10
740121	1.1236	EA	10
740122	1.4734	EA	10
740123	1.8656	EA	10
740124	2.7560	EA	5
740125	5.0774	EA	5
740126	10.6761	EA	2
740127	11.6608	EA	2
740128	16.0026	EA	2
740135	1.0812	EA	10
740136	1.2826	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
740137	1.7066	EA	10
740138	2.4486	EA	10
740139	2.9786	EA	5
740140	3.7736	EA	5
740141	7.4942	EA	2
740142	8.9570	EA	2
740143	10.6000	EA	2
740150	3.3602	EA	2
740151	3.3602	EA	2
740152	4.2612	EA	2
740153	4.4944	EA	2
740154	7.1656	EA	1
740155	9.1054	EA	1
740156	18.1154	EA	1
740157	22.5144	EA	1
740158	28.9380	EA	1
740165	8.4694	EA	2
740166	8.4694	EA	2
740167	8.6072	EA	2
740168	9.3280	EA	2
740169	11.8402	EA	1
740170	17.8504	EA	1
740171	30.9626	EA	1
740172	35.0118	EA	1
740173	41.9336	EA	1
7403	1.2084	EA	5
7404	1.2084	EA	5
7409	2.8620	EA	5
741	0.5952	EA	25
7410	3.2867	EA	5
7411	14.2145	EA	1
7412	1.3446	EA	5
7415	18.8856	EA	1
7416	2.7030	EA	5
7417	2.7030	EA	5
7418	3.8266	EA	2
7419	9.1054	EA	2
742	1.1366	EA	10
7420	7.2822	EA	2
7421	8.8298	EA	2
7424	6.6356	EA	5
7427	2.4062	EA	5
7428	8.6390	EA	5
7429	0.8503	EA	10
7433	6.6356	EA	2
7435	50.5042	EA	1
7438	12.4427	EA	1
7439	0.4433	EA	10
7440	0.3979	EA	10
7441	6.7228	EA	1
7442	24.0090	EA	1
7445	5.0244	EA	2
7446	7.9606	EA	2
7447	1.4342	EA	10
7448-1	0.3845	EA	10
7448	1.5370	EA	5
7450	1.2267	EA	10
7452	1.2267	EA	10
7455	0.9998	EA	10
746	0.1863	EA	100
7460	0.9187	EA	10
7461-H	0.8782	EA	10
7461	0.8377	EA	10
7462	0.9998	EA	10
7464-H	1.2296	EA	10
7464	0.9593	EA	10
7465	0.6890	EA	10
7466	0.8374	EA	10
7469-1	1.3037	EA	10
7469-H	0.7364	EA	10
7470-1	1.2296	EA	10
7470-H	1.0403	EA	10
7471	0.8374	EA	10
7472-1	1.6960	EA	10
7472-A	2.8408	EA	10
7472	0.9390	EA	10
7473-10	2.0940	EA	10
7473-11	2.1200	EA	10
7473-12	3.5086	EA	10
7473-13	0.8268	EA	10
7473-14	0.6678	EA	10
7473-15	14.0344	EA	1
7473-16	13.1652	EA	1
7473-17	1.8338	EA	10
7473-18	4.0916	EA	10
7473-19	1.4204	EA	10
7473-2	0.9540	EA	10
7473-22	1.5370	EA	10
7473-23	3.4026	EA	10
7473-24	0.5696	EA	10
7473-25	0.7314	EA	10
7473-26	0.7314	EA	10
7473-27	1.4768	EA	10
7473-28	3.7150	EA	10
7473-29	5.5451	EA	10
7473-3	0.7972	EA	10
7473-7	1.4768	EA	10
7473-8	6.1948	EA	10
7473-9	3.1071	EA	10
7474	1.2267	EA	10
7475	1.2296	EA	10
7476-NA	3.4026	EA	10
7476	1.6077	EA	10
7477-NA	3.7630	EA	10
7477	1.6077	EA	10
7478	2.4385	EA	10
7479	0.8374	EA	10
7480-1	1.7414	EA	10
7480	6.7545	EA	10
7481-2	1.9724	EA	10
7481	0.6360	EA	10
7482	1.2402	EA	10
7483-1	1.2835	EA	10
7483	1.6006	EA	10
7485	0.4997	EA	10
7486-1	1.0388	EA	10
7486	1.0808	EA	10
7487	1.3250	EA	10
7488-A	1.6279	EA	10
7488	0.5945	EA	10
7489	0.7972	EA	10
7490-3H	13.1560	EA	1
7490	5.2174	EA	1
7491	7.5185	EA	1
7492-1	7.6335	EA	1
7492	10.1336	EA	1
7493-H	7.6320	EA	1
7493	3.7217	EA	1
7494-1	3.7217	EA	1
7494-1H	6.6210	EA	1
7494-2	4.0669	EA	1
7494-2H	17.1614	EA	1
7495	7.5185	EA	1
7496-1	7.1974	EA	1
7496-1H	6.2069	EA	1
7496-2	6.1378	EA	1
7496-2H	6.2069	EA	1
7496-3	8.3238	EA	1
7496-3H	10.2184	EA	1
7497	6.9432	EA	1
7498	9.3593	EA	1
7499-4	10.9180	EA	1
7499-6	12.9489	EA	1
7499-9	8.3634	EA	1
75	1.9680	EA	5
750000	2.9044	EA	1
750001	2.9044	EA	1
750002	2.9044	EA	1
750003	2.9256	EA	1
750004	2.9256	EA	1
750005	2.9256	EA	1
750006	2.9256	EA	1
750007	2.9256	EA	1
750008	2.9256	EA	1
750009	2.9256	EA	1
750010	4.3566	EA	1
750011	2.9256	EA	1
750012	2.9256	EA	1
750013	2.9256	EA	1
750014	2.9256	EA	1
750015	2.9256	EA	1
750016	7.5578	EA	1
750017	7.5578	EA	1
750018	7.5578	EA	1
750019	7.5578	EA	1
750020	7.5578	EA	1
750021	7.5578	EA	1
750022	14.3312	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
750023	14.3312	EA	1
750024	14.3312	EA	1
750025	14.3312	EA	1
750026	4.6651	EA	1
750027	4.9673	EA	1
750028	8.5673	EA	1
750029	12.1244	EA	1
750030	21.1682	EA	1
750031	24.3774	EA	1
750032	19.1605	EA	1
750033	24.3774	EA	1
750034	21.1682	EA	1
750035	26.9452	EA	1
750036	19.1605	EA	1
750037	24.3774	EA	1
750038	21.1682	EA	1
750039	26.9452	EA	1
750040	21.1682	EA	1
750041	26.9452	EA	1
750042	21.1682	EA	1
750043	26.9452	EA	1
750044	19.1605	EA	1
750045	24.3774	EA	1
750046	21.1682	EA	1
750047	26.4894	EA	1
750048	35.1186	EA	1
750049	18.2282	EA	1
750050	26.4894	EA	1
750051	37.2899	EA	1
750052	19.3317	EA	1
750053	26.4894	EA	1
750054	37.3135	EA	1
750055	19.3674	EA	1
750056	26.4894	EA	1
750057	37.3142	EA	1
750058	26.4894	EA	1
750059	37.3135	EA	1
750060	26.4894	EA	1
750061	37.2899	EA	1
750062	26.4894	EA	1
750063	37.2899	EA	1
750064	26.4894	EA	1
750065	37.3135	EA	1
750066	23.9083	EA	1
750067	42.8558	EA	1
750068	23.9091	EA	1
750069	38.7812	EA	1
750070	42.8558	EA	1
750071	38.7812	EA	1
750072	42.8558	EA	1
750073	67.4344	EA	1
750074	38.7812	EA	1
750075	67.4344	EA	1
750076	38.7812	EA	1
750077	74.5286	EA	1
750078	38.7812	EA	1
750079	67.4344	EA	1
750080	74.5286	EA	1
750081	67.4344	EA	1
750082	67.4344	EA	1
750083	67.4344	EA	1
750084	67.4344	EA	1
7501	2.1200	EA	12
7502	7.7168	EA	1
7506	2.8408	EA	5
7507	1.1554	RL	6
7509-30	2.6712	EA	5
7509-40	2.1094	EA	5
7510-B	20.1621	EA	1
7510	27.5606	RL	1
7511-B	23.3083	EA	1
7511	37.8314	RL	1
7512-B	51.5363	EA	1
7512	49.0568	RL	1
7513-B	71.5141	EA	1
7513	95.8028	RL	1
7514-B	167.2893	EA	1
7515-1	2.7136	EA	5
7515	2.7878	EA	5
7516-1	2.1200	EA	5
7516	2.1995	EA	5
7517	2.1094	EA	5
7518	2.8979	EA	5
7519	2.8302	EA	5
7520-1	2.7984	EA	5
7520	2.7878	EA	5
7521	3.0974	EA	5
7522-1	2.3278	EA	5
7522	3.0974	EA	5
7523-1	2.3278	EA	5
7523-2	2.9549	EA	5
7523	3.0974	EA	5
7524-100	2.8302	EA	5
7524-30	2.7984	EA	5
7524-40	2.7984	EA	5
7524-50	2.8302	EA	5
7524-80	2.8302	EA	5
7524	7.2865	EA	12
7525-20	7.4745	EA	20
7525-X	7.6862	EA	5
7525	7.5310	EA	10
7526	4.7064	EA	1
7527-36	3.6797	EA	36
7527	4.0055	EA	5
7528-48	2.7132	EA	48
7528	3.0162	EA	5
7529	6.2434	EA	1
7530	13.7271	EA	1
7531-1	44.4826	RL	1
7531	17.1338	RL	1
7532	27.1197	RL	1
7533-1	42.8506	RL	1
7533	32.8853	RL	1
7534	41.3546	RL	1
7535	51.5218	RL	1
754-00000-031	1.3222	EA	200
754	0.1392	EA	25
7540-10	2.2280	EA	10
7540-12	1.5974	EA	10
7540-14	1.3172	EA	10
7540-16	2.2048	EA	10
7540-18	2.2048	EA	10
7540-20	1.9127	EA	10
7541	14.5962	EA	1
7542	3.5794	KT	1
754200	0.0984	EA	100
7543-1	0.2704	EA	5
7543	0.3161	EA	5
7544-12	21.4438	RL	1
7544-14	19.6948	RL	1
7544-16	17.0236	RL	1
7545	0.3466	EA	5
7546-1	0.3466	EA	5
7546	0.3466	EA	5
755	0.2161	EA	25
7550	0.3466	EA	5
7551	0.3466	EA	5
7552	0.2889	EA	5
7553	0.3466	EA	5
7554-1	0.2889	EA	5
7554-A	0.7131	EA	15
7554	0.3466	EA	5
7555	0.3466	EA	5
7556	0.4622	EA	5
7557	0.4622	EA	5
7558-A	0.7061	EA	15
7558	0.3854	EA	5
7559-A	0.7131	EA	15
7559	0.3466	EA	5
756	0.1482	EA	25
7560-1	0.3466	EA	5
7560-A	0.7131	EA	15
7560-D	28.9592	KT	1
7560	0.3498	EA	5
7561-A	0.7061	EA	15
7561	0.3466	EA	5
7562-1	0.3246	EA	5
7562	0.4829	EA	5
7563	0.3466	EA	5
7564-1	0.3466	EA	5
7564	0.4089	EA	5
7565	0.4622	EA	5
7567-A	0.7131	EA	15
7567	0.3466	EA	5
7568	0.3466	EA	5
7569-A	0.7061	EA	15
7569	0.4829	EA	5
757	0.4519	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
7570	0.2889	EA	5
7571	0.5994	EA	5
7572-1	0.4834	EA	5
7572-1A	0.5880	EA	15
7572-A	0.5880	EA	15
7572	0.4692	EA	5
7573-A	0.7061	EA	15
7573	0.4622	EA	5
7574-1	0.3246	EA	5
7574-A	0.7061	EA	15
7574	0.3859	EA	5
7575-1	0.6743	EA	25
7575-A	0.6062	EA	15
7575	0.6675	EA	25
7576	0.6675	EA	25
7577	0.3640	EA	50
7578-2	8.2172	EA	25
7578	0.2360	EA	50
7579-1	0.3544	EA	25
7579	0.4203	EA	25
7580	0.6480	EA	50
7581	0.6675	EA	25
7582-2	0.8852	EA	25
7582-3	4.3432	EA	25
7582	0.6480	EA	50
7583	0.4344	EA	25
7585	1.7283	EA	25
7586	0.9679	EA	10
7587	1.3829	EA	10
7588	0.6743	EA	25
7589	0.3446	EA	25
7590	0.7862	EA	25
7591	1.1001	EA	25
7593	3.3833	EA	25
7595-1	1.3357	EA	25
7595	1.4004	EA	10
7596	0.3068	EA	25
7597	0.4397	EA	25
7598-1	4.3884	EA	3
7598-2	70.5117	EA	2
7598-3	1.4172	EA	20
7598	97.9526	EA	2
7599	0.7491	EA	25
75A-120V	0.6890	EA	24
75A	0.5709	EA	25
76	2.7480	EA	5
7600	0.3670	EA	25
7602	2.9220	EA	50
7603	0.4441	EA	25
7604-1	16.9070	EA	1
7604-11	44.4962	EA	1
7604-12	11.1441	EA	2
7604-13	4.2294	EA	2
7604-3	10.9392	EA	2
7604-4	12.7624	EA	2
7604-50	0.7065	EA	50
7604-51	0.7065	EA	50
7604-52	0.2431	EA	50
7604-53	0.7080	EA	50
7604-54	0.7080	EA	50
7604-55	0.3549	EA	50
7604-56	0.8034	EA	50
7604-57	0.8063	EA	50
7604-58	0.4271	EA	50
7604-6	3.8054	EA	1
7604-7	7.6108	EA	1
7604-8	58.2896	EA	2
7604	28.2172	EA	1
7605	0.2329	EA	25
7606	25.0432	EA	1
7607	0.2181	EA	50
7608	0.2329	EA	25
7609	0.2355	EA	25
7610	0.2329	EA	25
7611	0.2416	EA	25
7613	0.2851	EA	50
7614	0.1252	EA	50
7615	0.1701	EA	50
7616	0.1413	EA	25
7617	0.1413	EA	25
7618	0.1439	EA	25
7619	0.1452	EA	25
762	0.4805	EA	25
7620	0.0811	EA	25
7621	0.1090	EA	25
7622	0.4431	EA	25
7633	1.1340	EA	4
7639	2.3728	EA	2
764335	0.0823	EA	100
7647	9.3776	EA	3
7650	2.2397	EA	5
7651	2.2393	EA	5
765152X	14.2442	EA	1
765153X	14.9496	EA	1
765154X	15.3837	EA	1
76515LG	13.9729	EA	1
76515MD	13.9729	EA	1
76515SM	13.9729	EA	1
76515XL	14.6984	EA	1
7652	2.2532	EA	5
7653	2.2532	EA	5
7654	2.2532	EA	5
7657	14.6413	EA	5
7658	14.6413	EA	5
7659	4.9887	EA	5
7660	7.2962	EA	10
7661	1.7791	EA	10
7662	4.4871	EA	5
7663	4.4721	EA	5
767	0.6237	EA	25
768	1.2981	EA	10
769	0.2406	EA	25
7690	0.1245	EA	50
7691	0.0983	EA	50
7693-B	0.1031	EA	1000
7693	0.3584	EA	50
7694	0.1172	EA	50
77	2.8280	EA	5
770	0.3488	EA	25
7704	2.5652	EA	5
7705	2.6606	EA	5
7706-1	2.7560	EA	5
7706	2.7348	EA	5
7707	2.6500	EA	5
7708	2.6500	EA	5
7709	2.6500	EA	5
771	0.7584	EA	25
7710	2.9362	EA	2
7711-1	4.6634	EA	2
7711	22.1400	EA	1
7711A	2.9362	EA	2
7712-1	5.6909	EA	2
7712	2.9362	EA	2
77124	13.2712	EA	1
7713	6.0881	EA	2
77164	24.0787	EA	1
7720	0.5164	EA	25
7721	0.5317	EA	25
7722	0.4444	EA	25
7725	2.4644	EA	6
772TC-12	1753.7912	EA	1
773	1.4628	EA	5
7735	22.9949	EA	1
7736	9.0544	EA	1
7737	10.3341	EA	1
7738	11.2488	EA	4
77388	0.1516	EA	100
774-20100-100	3.0497	EA	60
774-20100-120	3.3142	EA	50
774-20156-140	4.8940	EA	50
774-20156-160	5.0657	EA	45
774-20156-180	5.1344	EA	40
7743519	5.1186	EA	2
7744	10.3648	EA	5
77440	0.2980	EA	100
77442	0.3427	EA	100
77446	0.3941	EA	100
77450	0.1562	EA	100
7746-1	0.2436	EA	20
774604	0.1007	EA	100
774691	0.1266	EA	50
7747	0.7914	EA	20
77474	0.4192	EA	100
77478	0.5684	EA	100
7748	0.9441	EA	20
77482	0.9700	EA	100
7749	18.5287	EA	10
7750	4.1503	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
77500	1.1775	EA	50
77504	1.3850	EA	50
7751	0.2447	EA	100
77510	2.1310	EA	50
7752	0.0699	EA	100
7753	0.4099	EA	50
7754	0.9730	EA	20
77540	1.6532	EA	25
77544	2.1719	EA	25
77548	2.1919	EA	25
7755	1.5515	EA	20
77552	2.7103	EA	25
77556	3.2287	EA	25
7756	1.7490	EA	20
7757	0.8181	EA	10
7758	3.8690	EA	5
7759-1	2.5228	EA	10
7759	2.2048	EA	10
7760	2.2048	EA	10
7761	3.1058	EA	10
7762	3.2012	EA	10
7763	0.2326	EA	100
7765-1	0.9859	EA	10
7765-2	1.0594	EA	10
7765	0.9617	EA	10
7768	2.8408	EA	10
7770	1.2074	EA	8
7771	1.9625	EA	8
7772	1.3649	EA	8
7774	3.9228	EA	5
7775	1.8014	EA	5
7783	13.3984	RL	1
7784-1	14.1250	RL	1
7784	11.7597	RL	1
7785	22.2868	RL	1
7787	14.2676	RL	1
7788	6.8030	RL	1
7789	14.4054	RL	1
7790	17.5960	RL	1
7791	18.9210	RL	1
7792	25.8322	RL	1
7797	6.3069	EA	5
78	4.7160	EA	5
7800-A	0.9017	EA	5
7801-A	1.2508	EA	5
7801	0.9159	EA	6
7802-A	1.5582	EA	5
7803-A	3.2418	EA	5
7803	13.1768	EA	2
7804-A	2.1900	EA	5
7804	4.9600	EA	2
7806-1/2D	0.3586	EA	25
7806-12	0.2561	EA	25
7806-12D	0.3586	EA	25
7806-14	0.2561	EA	25
7806-16	0.2916	EA	25
7806-164	0.2824	EA	25
7806-18	0.3059	EA	25
7806-20	0.3044	EA	25
7807	0.0137	EA	500
7809	4.7806	EA	2
7810	4.7806	EA	2
7812	0.2450	EA	15
7813	1.4240	EA	5
7817	1.5582	EA	5
7818	5.0668	EA	5
7820	0.6300	EA	10
7821-FO	4.3566	EA	2
7821-HD	3.7462	EA	5
7821	1.4098	EA	5
7825	5.7346	EA	5
7826	7.3006	EA	5
7827	5.8936	EA	1
7828	1.0210	EA	5
7829	1.2635	EA	10
783	0.2409	EA	50
7830	3.4959	EA	2
7831	3.4959	EA	2
7833	14.2448	EA	5
7834	9.4498	EA	5
7835	1.2935	EA	5
7836	1.4310	EA	10
7838	9.5016	EA	2
7839	2.2260	EA	2
784-20156-140	2.9192	EA	60
784-20156-160	3.5546	EA	60
784	0.2618	EA	50
7840-1	10.2038	EA	5
7840-2	10.1310	EA	5
7840	7.9104	EA	5
7841	10.2661	EA	5
7842	5.3318	EA	1
7843	11.2254	EA	1
7846	11.2003	EA	5
784848	0.1697	EA	50
7849-1	14.9460	EA	1
7849	13.2606	EA	1
785	0.2290	EA	50
7850	11.6070	EA	5
7851	12.2079	EA	5
7852	16.5940	EA	5
7853	10.9086	EA	1
7854	18.4131	EA	2
7855	17.0806	EA	2
7861	23.9342	EA	1
787	4.0567	EA	5
7870	1.5212	EA	15
7871	1.1872	EA	10
7872	4.1677	EA	5
7873	2.0003	EA	5
7874	3.0802	EA	5
7875	1.7765	EA	5
7876	0.6467	EA	10
7877	5.0823	EA	1
7878	3.8478	EA	5
788-54490-945	1.3222	EA	160
788-74060-945	2.1122	EA	100
788-74090-945	2.2667	EA	120
788-74110-000	1.0475	EA	300
788-74170-945	2.2152	EA	75
788-74210-135	1.9748	EA	100
788-74210-945	2.1122	EA	80
788-74230-945	2.3182	EA	125
788-74240-945	2.3182	EA	100
788-74250-945	2.2839	EA	100
788-74540-945	1.8202	EA	120
788	0.1326	EA	50
7884	0.7190	EA	25
7887	11.8799	EA	2
7889	6.7366	EA	5
7891	0.5390	EA	10
7894	5.2681	EA	1
7896	2.6712	EA	5
7897	3.3572	EA	5
7898	3.0110	EA	5
78A	2.9362	EA	10
79	8.1600	EA	5
7900	4.0847	EA	5
7901	5.2933	EA	2
7903	1.4098	EA	10
7905	3.2102	EA	5
7906	4.9604	EA	10
7908	3.8347	EA	10
791	0.0440	EA	100
7910	0.7613	EA	10
7916	5.5991	EA	5
792	0.0943	EA	100
7927	3.7162	EA	5
7929	24.9524	RL	1
793	0.0659	EA	100
7930	24.9524	RL	1
7931	4.7231	EA	1
7932	7.0610	EA	2
794-20100-130	3.6748	EA	60
794	0.1049	EA	100
7940	8.6284	EA	5
7947	0.8247	EA	15
7948	1.4342	EA	5
7949	1.3207	EA	5
7950	8.6072	EA	5
7952	2.0960	EA	2
7953	1.7375	EA	2
7954	17.8504	EA	2
7955	0.2326	EA	50
796	0.1136	EA	100
7966-1	0.2472	EA	50
7966	0.1474	EA	50
7972	3.7165	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
7974	0.4342	EA	25
7975	5.9890	EA	1
7979	0.3232	EA	25
798	0.1376	EA	50
7980	0.4698	EA	25
79810	0.9815	EA	25
7981N	20.8983	RL	1
7982	9.0325	RL	1
79850	1.3979	EA	25
79900	2.7810	EA	20
79930	4.6047	EA	10
7994	1.2254	EA	25
7996	4.4203	ST	1
7998	4.9291	ST	1
7999	5.4062	ST	1
7EQ-1142-	1.1928	EA	50
8	0.1643	EA	50
800001	31.0477	EA	1
8003	0.3444	EA	50
8005-BESXL	23.6519	BX	1
8009	0.2316	EA	100
80310-A	1.5111	EA	1
80310	3.3014	EA	1
80320-1B	93.7241	PC	1
80320-X	13.7376	EA	1
80323-X	9.7846	EA	5
80323-XB	6.1162	EA	1
80323	29.0777	EA	1
80323B	30.5988	EA	1
80323BP	12.5080	PC	1
80324-1	17.3988	EA	1
80324	43.2350	EA	1
80324B	46.5430	EA	1
80326B	15.8682	EA	1
80326BP	26.9738	PC	1
80327	45.5051	EA	1
80327B	48.1675	EA	1
80328-T	28.4100	EA	1
80328B	15.1686	EA	1
80328BP	26.9738	PC	1
80329	43.6835	EA	1
80329B	46.3459	EA	1
80356-1	50.4970	EA	1
80364	82.4256	EA	1
80366	22.2388	EA	1
80367	43.3487	EA	1
80368	22.0586	EA	1
80370	75.1113	EA	1
80371	67.2464	EA	1
80372	52.8898	EA	1
80373-1	41.2552	EA	1
80373	116.6000	EA	1
80375	57.1446	EA	1
80377	35.1683	EA	1
80380	4.2837	EA	1
80381	7.6408	EA	1
80382	4.1658	EA	1
80383	4.8092	EA	1
80384	4.5464	EA	1
80388	6.7204	EA	1
80389	55.8514	EA	1
80390	226.8673	EA	1
80391	61.1408	EA	1
80393	54.4416	EA	1
80394	61.1408	EA	1
80395	77.0514	EA	1
80399	23.0550	EA	1
8040-10	9.2213	EA	1
8040-6	9.0299	EA	1
80401	1.3979	EA	48
80402	0.6156	EA	48
80403	0.5847	EA	48
80404	0.6531	EA	48
80406	1.2326	EA	48
80407-76	12.9848	EA	1
80407	0.8810	EA	48
80408-77	12.1674	EA	1
80408	0.7561	EA	48
80409-78	8.7811	EA	1
80409	1.8696	EA	48
8041-10	11.2794	EA	1
8041-6	12.3125	EA	1
8041-8	8.6088	EA	1
80410	8.5725	EA	1
80411	5.9254	EA	1
80412	8.8061	EA	1
80413	5.4431	EA	1
80414	8.5249	EA	1
80415	5.4673	EA	1
80416	32.6530	EA	1
80417	21.1493	EA	1
80419	30.1816	EA	1
8042-10	11.2554	EA	1
8042-6	20.6025	EA	1
8042-8	9.3326	EA	1
80420-1	14.6957	EA	1
80420-79	10.2991	EA	1
80420	390.1198	EA	1
80421-90	22.3030	EA	1
80421	23.8149	EA	1
80422-50	65.3382	EA	1
80422	65.3382	EA	1
8043-8	11.0568	EA	1
8044-10	12.4116	EA	1
8044-6	12.7816	EA	1
8044-8	10.4949	EA	1
80450	30.5469	EA	1
80450B	14.7234	EA	1
80451-X	12.9614	EA	5
80451-XB	6.1162	EA	1
80451B	14.9990	EA	1
80452	46.9764	EA	1
80452B	28.0794	EA	1
80453	31.2475	EA	1
80453B	14.6386	EA	1
80453BP	29.1457	PC	1
80454B	6.4684	EA	1
80456	45.3547	EA	1
80456B	17.7444	EA	1
8050-10	15.1189	EA	1
8050-12	17.8924	EA	1
8050-6	18.9022	EA	1
8050-8	11.2799	EA	1
805185	1.0002	EA	15
805188	0.1776	EA	50
8052-10	15.2858	EA	1
8052-12	16.8075	EA	1
8052-6	9.1657	EA	1
8052-8	10.5566	EA	1
8053-10	13.5049	EA	1
8053-12	19.7529	EA	1
8053-6	15.3965	EA	1
8053-8	15.3409	EA	1
80531	20.3838	EA	1
8054-10	13.6161	EA	1
8054-12	19.0296	EA	1
8054-6	14.4512	EA	1
8054-8	11.7245	EA	1
8055-10	2.0402	EA	10
8055-12	2.4797	EA	10
8055-6	2.0402	EA	10
8055-8	2.3184	EA	10
8060	764.1636	EA	1
80600	116.6000	EA	1
80601	346.4351	EA	1
80602	61.1408	EA	1
80603	413.2834	EA	1
80700	27.6401	EA	1
80702	192.9151	EA	1
80703	0.3022	EA	1
80703B	5.6049	PK	1
80704	4.5884	EA	1
80704B	5.6599	PC	1
80705B	106.1676	PC	1
80705HDB	170.9971	PC	1
80706B	39.4638	PC	1
80714	111.6710	EA	1
80715	92.4956	EA	1
80716	58.7286	EA	1
80717	76.5532	EA	1
80720-X	14.2228	EA	1
80732	96.4380	EA	1
80740	110.2264	EA	1
80741	94.4546	EA	1
80742	93.8608	EA	1
80743	88.0615	EA	1
80747	110.0464	EA	1
80749	18.8680	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
80750	29.7282	EA	1
80751	32.5148	EA	1
80760	74.5797	EA	1
80763	27.8674	EA	1
80776	46.9474	EA	1
80787-1	15.2790	EA	1
80787	93.9068	EA	1
80796-1	12.1725	EA	1
80796	97.6469	EA	1
80797	63.1792	EA	1
80798	49.2514	EA	1
8090	20.2931	EA	1
810	0.0774	EA	100
8100A-12	1.0600	PR	12
8100A	1.0918	PR	1
811-20-RL	3245.7390	EA	1
811-24-RL	4165.7910	EA	1
811-32-RL	5264.7420	EA	1
811	0.0885	EA	100
811027	11.8084	EA	1
81158	4.8959	EA	1
812	0.0624	EA	50
81257-6	32.5296	EA	6
81260	0.4749	EA	1
81261	0.4749	EA	1
81262	0.4749	EA	1
81263	1.1125	EA	1
81265	0.0797	EA	25
81267	0.0797	EA	25
81268	0.0797	EA	25
81269	0.0797	EA	100
81272	8.1464	EA	1
81274	3.9088	EA	1
81279	122.4830	EA	1
81280	31.2768	EA	1
81281	2.9078	EA	1
81282	3.2018	EA	1
813	0.0958	EA	50
815	0.1185	EA	50
815291	0.4414	EA	25
815326	0.1356	EA	50
8157	33.2566	EA	1
8158	33.2566	EA	1
81878	5.9952	EA	12
819	0.3731	EA	25
82	2.1200	EA	10
8200-16	6.4766	EA	1
8200-17	7.5694	EA	1
8200-18	6.4766	EA	1
8200-19	8.5488	EA	1
8200-20	6.9536	EA	1
8200-22	12.2539	EA	1
8200-24	12.4242	EA	1
8204	16.0551	PR	1
82046	27.8749	EA	10
8207	16.7680	PR	1
823280	9.6554	EA	12
8236	11.5646	EA	1
8238	11.5646	EA	1
8242-06	13.0745	EA	6
8242-D1	22.7097	EA	1
8242	0.1888	EA	50
827	0.2785	EA	50
829	0.2008	EA	50
83-52400-	12.2629	EA	12
83-52600-	12.2629	EA	12
83-52650-	12.2175	EA	12
83-53000-	12.2629	EA	12
83-53050-	12.2175	EA	12
83-53450-	12.2629	EA	12
83-53500-	12.2175	EA	12
83-53900-	12.2175	EA	12
83	0.4288	EA	25
8300	12.3066	EA	1
8302-L	26.6853	EA	1
8302-R	26.6853	EA	1
8303	26.9738	EA	1
8304	25.9352	EA	1
8305	27.8392	EA	1
8306	27.8392	EA	1
8307	26.9738	EA	1
8308	26.9738	EA	1
8309R	19.3386	EA	5
831	0.1675	EA	50
8310-1	6.7795	EA	1
8310	6.7795	EA	5
83101	31.0000	EA	1
8311	34.6188	EA	1
8312	34.6188	EA	1
8313	28.4162	EA	1
8314	28.4162	EA	1
8315	28.1277	EA	1
8317	38.8914	EA	1
8318-LH	32.3108	EA	1
8318-RH	32.3108	EA	1
8319-LH	63.4677	EA	1
8319-RH	63.4677	EA	1
832	0.1813	EA	50
8320-LH	28.1277	EA	1
8320-RH	28.1277	EA	1
8321	18.6434	EA	1
8322	24.9544	EA	1
8323	24.9544	EA	1
8324-LH	24.5216	EA	1
8324-RH	24.5216	EA	1
8325-LH	28.7047	EA	1
8325-RH	28.7047	EA	1
8328-H	11.8569	EA	2
8328	24.8101	EA	1
833	0.3375	EA	50
8330	31.0126	EA	1
8331	31.0126	EA	1
8332	31.0126	EA	1
8333	34.4745	EA	1
8334	12.2608	EA	1
8346	4.0429	EA	10
8350	3.9812	EA	10
8353	0.7861	EA	25
8362	4.8972	EA	1
8365	0.8301	EA	2
8368	2.1094	EA	1
8369	2.1094	EA	1
8375	0.7412	EA	12
8379	22.0586	EA	1
8385	9.6990	EA	1
838780-X	0.3430	EA	50
8390	4.4929	EA	1
8393	4.9132	EA	1
8395	2.5546	EA	1
8396	26.9374	EA	1
8397	4.8391	EA	1
8398	2.0988	EA	10
8399	2.0988	EA	10
840	0.4706	EA	50
840020	8.2362	EA	1
840030	9.8686	EA	1
840042	17.0786	EA	1
840050	17.0786	EA	1
840070	18.3693	EA	1
840110	21.7604	EA	1
840281	0.8641	EA	50
840282	0.8687	EA	50
840283	0.8687	EA	50
840331	1.2707	EA	50
840332	1.2707	EA	50
840333	1.2621	EA	50
840381	1.1543	EA	50
840382	1.0674	EA	50
840383	1.0674	EA	50
840397	3.6070	EA	25
840398	3.5916	EA	25
8404	4.0891	EA	1
840431	2.4144	EA	25
840432	2.4144	EA	25
840433	2.4022	EA	25
840481	1.8683	EA	25
840482	1.9809	EA	25
840483	1.8683	EA	25
840497	7.2344	EA	1
840498	6.8467	EA	10
8405	4.0891	EA	1
8406	2.7043	EA	1
8407	2.6466	EA	1
8408	1.4198	EA	15
8409	1.3917	EA	15
841	0.4482	EA	50
8411	1.8020	EA	10
8412	1.8020	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
8416	4.1468	EA	1
8417	8.4741	EA	1
8418	0.3608	EA	50
8418A	5.7207	EA	1
8419	5.1149	EA	1
8420-1	4.6216	EA	1
8421	1.7552	EA	1
8423	1.3686	EA	5
842331	1.2199	EA	50
842332	1.0585	EA	50
842333	1.0585	EA	50
8424	9.9413	EA	1
842431	2.3615	EA	25
842432	2.0840	EA	25
842433	2.0492	EA	25
8425-R	3.7700	EA	6
8425-Y	3.7957	EA	6
8426	10.0293	EA	1
8427	2.8832	EA	1
8429-R	2.9302	EA	6
8429-Y	2.9302	EA	6
8430	2.5716	EA	10
8431	2.5716	EA	10
8432	1.6642	EA	100
8433	1.6642	EA	100
8434	1.6302	EA	100
843401	9.0613	EA	10
8435	2.0833	EA	100
8436	1.6642	EA	100
8437	1.6642	EA	100
8438	3.1376	EA	10
8439	2.1200	EA	4
8440	235.9898	RL	1
84406	1.3992	EA	10
84407	1.3992	EA	10
84408	1.5158	EA	10
84409	1.6536	EA	10
84410	1.7490	EA	10
84411	2.1412	EA	10
84412	2.7878	EA	10
84413	3.0422	EA	10
84414	5.3106	EA	10
84415	6.5084	EA	10
8442	7.9366	EA	1
8449-1	7.5007	EA	1
8449	7.5123	EA	1
8454-1	1.9294	EA	2
8454-2	1.4416	EA	2
8454-A	3.1668	EA	1
8454-R	3.2397	EA	1
845511	3.3115	EA	10
845512	2.9227	EA	10
845514	2.9651	EA	10
845611	3.9647	EA	10
845612	3.4818	EA	10
845614	3.4818	EA	10
845800	0.0939	EA	100
845811	6.8111	EA	10
845812	5.9724	EA	10
845814	5.9724	EA	10
8464	10.5894	EA	1
8465-1	3.3920	EA	10
8466	10.5894	EA	1
8467-1	0.8551	EA	10
847	0.1596	EA	50
8470-1	5.9717	EA	10
8473	3.7302	EA	1
8474	3.7302	EA	1
8477	4.8553	EA	1
8478	4.8553	EA	1
8479-1	1.4416	EA	6
8479	1.9822	EA	6
8480-1	1.8118	EA	5
8480	1.9504	EA	6
84800	20.8743	EA	1
8482	1.5264	EA	5
84820	1.8134	EA	12
84840	94.7857	EA	1
8485	3.8372	EA	1
8489-R	10.3781	EA	1
85	1.2737	EA	10
850	0.3733	EA	25
8506	26.2244	EA	1
8507-R	10.5576	EA	1
8507-Y	10.5576	EA	1
8508	10.2714	EA	1
8509	1.6414	EA	1
851	0.2405	EA	25
8510	1.6416	EA	1
8520	14.8411	EA	1
8521-R	2.7231	EA	12
8521-Y	2.7231	EA	12
8522	19.4367	EA	1
8524	36.2268	EA	1
8528	5.2576	EA	1
8529	5.2576	EA	1
8532-R	2.7519	EA	12
8533-R	0.9820	EA	12
8533-Y	0.9168	EA	12
8536	1.2296	EA	1
8537	1.6658	EA	1
8538-R	7.0942	EA	6
8538-Y	6.9829	EA	6
8539-R	3.4974	EA	10
8539-Y	3.4974	EA	10
8540-Y	3.1275	EA	10
85406	4.0068	EA	10
85407	4.0916	EA	10
85408	4.4414	EA	10
85409	4.7170	EA	10
8541-A	6.9238	EA	1
85410	4.8760	EA	10
85411	5.4060	EA	10
85412	5.5014	EA	10
85413	6.4660	EA	10
85414	7.4200	EA	10
85415	8.0030	EA	10
8544-LH	28.7047	EA	1
8544-RH	28.7047	EA	1
8545-LH	9.3759	EA	1
8545-RH	9.3759	EA	1
8550-B	8.8985	EA	1
8550	10.8686	EA	1
8553	14.3956	EA	1
855914	0.8482	EA	10
855939	0.1470	EA	50
8562-LH	51.9281	EA	1
8562-RH	51.9281	EA	1
8563-LH	40.3885	EA	1
8563-RH	40.3885	EA	1
85662	8.6184	EA	1
85663	3.2335	EA	1
8580	6.1904	EA	1
8581	3.8054	EA	5
8585	28.4953	EA	2
8588	27.3056	EA	1
8589	34.6514	EA	1
8590	58.4151	EA	1
8593	34.3122	EA	1
8600	0.2366	PR	12
8600C	0.2480	PR	12
8610	0.5512	PR	12
8610C	0.2366	PR	12
8614	9.3843	EA	1
86150	0.1866	EA	100
86154	0.1468	EA	100
8616	0.7694	EA	10
86172	0.1272	EA	100
86176	0.1348	EA	100
86203	1.6006	EA	10
86204	1.6006	EA	10
86205	1.6006	EA	10
86206	1.6006	EA	10
86207	1.6006	EA	10
86208	1.6006	EA	10
86209	1.6006	EA	10
86210	2.0140	EA	10
86211	2.0140	EA	10
86212	2.8726	EA	5
86213	2.9786	EA	5
86214	4.5686	EA	5
86215	7.2398	EA	5
86216	11.1468	EA	1
86217	14.2681	EA	1
86218	17.4524	EA	1
86219	19.5017	EA	1
86220	32.2704	EA	1
86253	1.4628	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
86254	1.4628	EA	10
86255	1.4628	EA	10
86256	1.4628	EA	10
86257	1.7702	EA	10
86258	2.2260	EA	5
86259	3.0422	EA	5
8626	146.6681	EA	1
86260	3.4681	EA	5
86261	4.4838	EA	5
86263	7.6532	EA	5
86265	13.2417	EA	1
86266	16.5521	EA	1
86267	26.2486	EA	1
86268	31.1074	EA	1
8627	75.0361	EA	1
86275	5.4298	EA	5
86276	5.4298	EA	5
86277	5.4298	EA	5
86278	5.4298	EA	5
86279	5.8502	EA	5
8628-1	25.5890	EA	1
8628-B	22.2137	EA	1
8628-X	42.4080	EA	1
8628	150.0146	EA	1
86280	6.0603	EA	5
86281	6.3056	EA	5
86282	6.7259	EA	5
86283	6.9361	EA	5
86284	7.1463	EA	5
86285	8.0221	EA	5
86286	9.5284	EA	1
86287-1	14.3276	EA	1
86287	10.6144	EA	1
86288	0.2310	EA	100
8629	89.4318	EA	1
86292	0.2702	EA	100
86296	0.3162	EA	100
8630	25.0046	EA	1
86300	0.3699	EA	100
8631	22.7832	EA	1
86362	0.3478	EA	100
86364	0.4069	EA	100
86368	0.4895	EA	100
8640	3.8294	EA	1
8641	3.8294	EA	1
86424	0.2073	EA	100
86440	0.3035	EA	100
86442	0.3370	EA	100
8646	22.0692	EA	1
8648	20.8866	EA	1
8649	13.2606	EA	1
865	0.0784	EA	50
8650	10.7590	EA	1
86526	0.1597	EA	100
8653	24.3071	EA	1
8654	34.1262	EA	1
8655	34.1819	EA	1
86576	0.6508	EA	100
86580	0.8516	EA	100
8659	16.9343	EA	1
866	0.1821	EA	50
8660	17.4629	EA	1
866067	0.1300	EA	50
86646	0.9621	EA	50
8668	3.4768	EA	5
86688	2.2011	EA	50
867	0.2198	EA	50
86703	0.3695	EA	25
86704	0.3624	EA	25
86705	0.3391	EA	25
86706	0.3809	EA	25
86707	0.4526	EA	25
86708	0.4419	EA	25
86709	0.4824	EA	25
86710	0.5677	EA	25
86711	0.6069	EA	25
86712	0.8319	EA	10
86713	1.0168	EA	10
86714	1.4840	EA	10
86715	2.3532	EA	10
86716	4.8124	EA	10
86717	4.8866	EA	10
86718	9.8474	EA	10
86719	13.9708	EA	5
86720	19.9174	EA	5
86721	25.8852	EA	5
86722	30.5386	EA	5
86724	2.3028	EA	25
86753	0.8601	EA	25
86754	0.8803	EA	25
86755	0.8861	EA	25
86756	1.0992	EA	25
86757	1.1120	EA	25
86758	1.6112	EA	25
86759	2.3002	EA	10
8676-S	10.7590	EA	1
86760	1.8172	EA	10
86761	2.8196	EA	10
86763	4.1128	EA	10
86764	3.6187	EA	10
86765	7.3458	EA	10
86766	10.7166	EA	5
86767	14.3948	EA	5
8677-S	13.2606	EA	1
8678	3.4450	EA	5
8679	0.9347	EA	10
8680	12.6018	EA	1
86801	0.2438	EA	25
86802	0.2438	EA	25
86803	0.1378	EA	25
86804	0.1378	EA	25
86805	0.1378	EA	25
86806	0.1378	EA	25
86807	0.1590	EA	25
86808	0.1696	EA	25
86809	0.2332	EA	25
8681	3.5086	EA	5
86810	0.2438	EA	25
86811	0.3074	EA	25
86812	0.4028	EA	10
86813	0.5300	EA	10
86814	0.9540	EA	10
86815	1.4522	EA	10
86816	2.9998	EA	10
86817	3.6782	EA	10
86818	5.2576	EA	10
86819	6.9854	EA	10
8682	1.7680	EA	5
86820	11.4374	EA	5
86821	16.2286	EA	5
86822	20.4474	EA	5
8683	1.0848	EA	5
8685	10.1230	EA	1
86853	0.3286	EA	25
86854	0.3286	EA	25
86855	0.3286	EA	25
86856	0.4240	EA	25
86857	0.5300	EA	25
86858	0.5936	EA	25
86859	0.7420	EA	10
8686	0.7635	EA	5
86861	1.2402	EA	10
86863	2.1624	EA	10
8687	1.5900	EA	10
8688	1.9127	EA	10
8689-20	1.1415	EA	1
8689-30	1.1575	EA	1
869	0.1720	EA	50
8690	1.4265	EA	5
8691-1	1.2336	EA	20
8691	1.3356	EA	5
8692	4.1552	EA	5
8693	3.6358	EA	2
8694	1.3356	EA	5
8695-1	3.0217	EA	5
8695	3.1824	EA	5
8696	11.1386	EA	5
8697	2.5411	EA	2
8698	2.1730	EA	2
8699	12.0522	EA	1
870	0.3146	EA	50
8700	22.6593	EA	1
8701	21.0092	EA	1
8702	45.4427	EA	1
8703	25.9352	EA	1
8704	22.3609	EA	1
8707	25.7910	EA	1
8715	8.1196	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
8716	4.0852	EA	1
8718	14.1192	EA	1
8738-R	3.6540	EA	10
8738-Y	3.6416	EA	10
8739	5.2064	EA	10
8740-R	4.2024	EA	10
8740-Y	4.2160	EA	10
8741	3.8851	EA	10
875500	13.8255	EA	10
875501	17.2057	EA	10
8757	5.5126	EA	1
8758	6.5701	EA	1
8759	1.9715	EA	5
876	0.4613	EA	50
8760	2.8191	EA	2
8761	7.1471	EA	1
876272	0.0846	EA	50
8763	7.1182	EA	1
876364	0.8035	EA	5
8764	7.7529	EA	1
8767	3.1164	EA	1
8768	3.1164	EA	1
8769	3.4238	EA	5
877	0.2140	EA	50
8770	2.7654	EA	2
8771	1.9880	EA	10
8771A	12.5292	EA	1
8772	8.7760	EA	5
8772A	12.0628	EA	1
8773	7.9560	EA	5
8773A	14.0131	EA	1
8774	10.1972	EA	1
8775	2.4274	EA	5
8776	11.2572	EA	1
8777	9.8796	EA	1
8778	2.3850	EA	5
8779	11.0664	EA	1
878	0.2909	EA	50
8780	1.2104	EA	10
8781	0.2708	EA	50
8781A	1.1773	EA	10
8784	4.1446	EA	1
8785	4.6372	EA	1
8786	4.6372	EA	1
8787	4.8124	EA	1
8788	0.5088	EA	25
8788A	27.1971	EA	1
879	0.2232	EA	50
8795	26.0347	EA	1
88	0.0659	EA	25
880	0.4246	EA	25
8801	26.0134	EA	1
880493	7.0842	EA	5
880495	11.7550	EA	5
881	0.5010	EA	25
8812	26.0134	EA	1
8815-1	14.5239	EA	1
882	0.0887	EA	100
8820	17.0345	EA	1
8821	6.1056	EA	1
8823	21.1695	EA	1
8827	20.0844	EA	1
883	0.3701	EA	100
883311	12.8896	EA	1
8834	38.4780	EA	1
8836	17.5071	EA	1
8838	21.4058	EA	1
8839	14.9374	EA	1
884	0.1123	EA	100
8842	7.7168	EA	1
8844	24.7138	EA	1
8847	7.1126	EA	2
885	0.0712	EA	100
8851	17.2519	EA	1
886	0.1241	EA	100
8860	11.5858	EA	1
8864	21.9314	EA	1
8865	22.8430	EA	1
886511	0.1515	EA	50
8868	105.4353	EA	1
887	0.1569	EA	50
8870	0.3854	EA	100
888	0.1686	EA	50
8888	73.7138	EA	1
8889	38.1231	EA	1
88C-081	2453.1790	EA	1
88C-082	2499.5466	EA	1
88DB-12	14.1645	EA	2
88DB-16	17.0537	EA	2
88DB-20	20.6477	EA	1
88DB-24	21.7048	EA	1
88DB-32	22.6913	EA	1
89	0.3615	EA	50
890	0.1497	EA	50
8900-1	7.1237	EA	1
8900	50.3500	EA	1
8901-1	22.2832	EA	1
8901	58.4590	EA	1
8902	16.0808	EA	1
8903	69.3770	EA	1
8904	32.1710	EA	1
8905-1	1.5314	EA	1
8905	3.0016	EA	5
8906	58.6174	EA	1
8907	38.1915	EA	1
89135	0.9946	EA	10
89136	1.0616	EA	10
8954	0.1888	EA	50
898000	12.0313	EA	10
898001	11.9448	EA	10
898002	12.0401	EA	10
898003	11.9448	EA	10
898004	15.1979	EA	10
898005	14.4807	EA	10
898006	14.4807	EA	10
898007	14.4807	EA	10
898008	21.5686	EA	10
898009	21.5686	EA	10
898010	21.5241	EA	10
898011	19.9929	EA	10
9	0.7738	EA	25
90	3.8120	EA	5
900	0.1380	EA	50
9000	0.8025	EA	25
9001	0.4876	EA	25
9003	0.7420	EA	25
9003ST	28.2479	EA	1
9004	1.0573	EA	25
9004STBP	28.2479	EA	1
9005ST	28.2479	EA	1
9005XSLL	11.3129	EA	1
9006	0.8226	EA	25
9006ST	28.2479	EA	1
9006XSLL	11.3129	EA	1
9007STBP	28.2479	EA	1
9008	0.5430	EA	25
90130	11.1008	EA	1
9015	0.8056	EA	25
9016	0.6678	EA	25
9017	0.4134	EA	25
9018	0.9010	EA	25
9020	0.7738	EA	25
90218	9.2881	EA	1
9025	0.4170	EA	25
903	0.5009	EA	25
9031	0.4170	EA	25
9032	0.3952	EA	25
90365	8.6049	EA	1
904	0.4333	EA	25
90400	0.2616	EA	100
90401	0.3248	EA	100
90402	0.2891	EA	100
90403	0.3225	EA	100
90404	0.3355	EA	100
90405	0.3616	EA	100
90406	0.3974	EA	100
90407	0.4517	EA	100
90408	0.4539	EA	100
90409	0.2400	EA	50
90410	0.5454	EA	50
90411	0.5787	EA	50
90412	0.6120	EA	50
90420	0.3887	EA	100
90422	0.4374	EA	100
90424	0.4914	EA	100
90425	0.5312	EA	50
90426	0.6158	EA	50
90427	0.6033	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
90428	0.7416	EA	50
90430	0.6823	EA	50
90431	0.7510	EA	50
90440	0.4957	EA	50
90442	0.5644	EA	50
90443	0.5553	EA	50
90444	0.6392	EA	50
90445	0.7299	EA	50
90446	0.7980	EA	50
90447	0.8821	EA	50
90448	1.0309	EA	25
90449	1.1069	EA	25
90450	1.1875	EA	25
90451	1.4146	EA	25
90452	1.4960	EA	25
90460	1.0945	EA	25
90462	1.2848	EA	25
90463	1.4562	EA	25
90464	1.6317	EA	25
90465	1.6096	EA	25
90466	1.9267	EA	25
90482	2.4030	EA	5
90483	2.5884	EA	5
90484	2.7430	EA	5
90485	2.8941	EA	5
905	0.3219	EA	25
9050-5/32	2.3625	EA	5
905030	8.6049	EA	1
90505	0.0357	EA	100
90506	0.0363	EA	50
90508	0.0481	EA	50
9052	0.4592	EA	25
90520	0.0600	EA	50
90526	0.0253	EA	50
90527	0.0280	EA	50
90528	0.0269	EA	50
90530	0.0331	EA	50
90532	0.0391	EA	50
90535	0.0772	EA	50
90536	0.0849	EA	50
90542	0.0532	EA	100
90543	0.0394	EA	100
90544	0.0391	EA	100
90545	0.0670	EA	50
90546	0.0478	EA	50
90548	0.0145	EA	50
9055	0.7220	EA	25
90551	0.0864	EA	50
90553	0.1265	EA	50
9056	0.6232	EA	25
90563	0.0453	EA	50
90564	0.0449	EA	50
90566	0.0599	EA	50
90568	0.0710	EA	50
9057	0.5824	EA	25
90571	0.0911	EA	50
90573	0.1449	EA	50
9058	0.6312	EA	25
90582	0.0453	EA	50
90584	0.0449	EA	50
90586	0.0599	EA	50
90588	0.0710	EA	50
9059	0.5088	EA	25
9060	0.0600	EA	25
90603	0.0999	EA	50
90604	0.1198	EA	50
90605	0.1395	EA	50
90606	0.2232	EA	50
90607	0.2562	EA	50
90622	0.0971	EA	50
90624	0.1165	EA	50
90626	0.1356	EA	50
90629	0.1778	EA	50
90631	0.2177	EA	50
9064	0.5168	EA	25
90640	0.1194	EA	50
90641	0.1339	EA	50
90642	0.1404	EA	50
90645	0.1294	EA	50
90646	0.1354	EA	50
90647	0.1379	EA	50
90648	0.1463	EA	50
90649	0.1598	EA	50
9065	0.2480	EA	100
90650	0.1738	EA	50
90651	0.2051	EA	50
90655	0.1423	EA	50
90656	0.1438	EA	50
90657	0.1464	EA	50
90658	0.1477	EA	50
90659	0.1670	EA	50
90660	0.1773	EA	50
90661	0.2400	EA	50
90665	0.1466	EA	50
90666	0.1279	EA	50
90667	0.1279	EA	50
90668	0.1374	EA	50
90669	0.1477	EA	50
90670	0.2967	EA	50
90675	0.0466	EA	50
90676	0.0670	EA	50
90677	0.0371	EA	50
90678	0.0371	EA	50
90680	0.2151	EA	50
90681	0.2235	EA	50
90682	0.2439	EA	50
90683	0.2888	EA	50
90684	0.3310	EA	50
90685	0.1515	EA	50
906855	0.1266	EA	50
90686	0.1585	EA	50
90687	0.1694	EA	50
90688	0.1906	EA	50
90689	0.4501	EA	50
90690	0.1848	EA	50
90691	0.2568	EA	50
90692	0.3116	EA	50
907	0.1309	EA	50
909	0.5414	EA	25
90985	11.8605	EA	1
91	4.5120	EA	5
910	0.1760	EA	100
9100	1.2056	EA	25
9101	1.3169	EA	25
9102	0.7038	EA	25
9103	0.7038	EA	25
9104	0.6496	EA	25
9105	0.7038	EA	25
911	0.2503	EA	100
912	0.2765	EA	100
913	0.9836	EA	25
914	0.2048	EA	50
915	0.1613	EA	100
916	0.1697	EA	100
91601	0.0498	EA	100
91603	0.0541	EA	100
91604	0.0602	EA	100
91605	0.0623	EA	100
91606	0.0738	EA	100
91607	0.0802	EA	100
91615	0.0623	EA	100
91630	0.2138	EA	100
91631	0.2783	EA	100
91632	0.3814	EA	50
91633	0.5239	EA	50
91665	0.1036	EA	100
91666	0.1253	EA	100
91667	0.2124	EA	50
91668	0.2759	EA	50
917	0.1875	EA	100
91741	0.0283	EA	100
91742	0.0495	EA	100
91743	0.0412	EA	100
91745	0.1077	EA	100
91751	0.0378	EA	100
91752	0.0979	EA	100
91753	0.1322	EA	100
91754	0.1494	EA	100
91755	0.1059	EA	100
91761	31.8712	LB	1
91762	56.2912	LB	1
91763	50.3964	LB	1
91764	47.8755	LB	1
91765	23.0792	LB	1
91766	13.2224	LB	1
91767	11.2511	LB	1
91769	9.2660	LB	1
91771	8.1601	LB	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
91800	0.0830	EA	100
91801	0.0220	EA	100
91802	0.1528	EA	100
91804	0.4539	EA	50
91806	0.8240	EA	50
92	0.0725	EA	50
920	0.2801	EA	25
92000-1	0.1108	EA	50
92000	0.0813	EA	50
92001-1	0.0882	EA	50
92001-2	0.1305	EA	50
92001	0.0844	EA	50
92002-2	0.1010	EA	50
92002	0.0991	EA	50
92003	0.1036	EA	50
92004-1	0.1092	EA	25
92004-2	0.0873	EA	25
92004-3	0.1103	EA	10
92004-4	0.1151	EA	10
92004-5	0.3796	EA	10
92004-6	0.4407	EA	10
92004	0.1114	EA	50
92005-1	0.1011	EA	25
92005-3	0.1271	EA	50
92005	0.0923	EA	25
92006	0.0875	EA	25
92007	0.1360	EA	25
92008	0.1042	EA	25
92009	0.1018	EA	25
92010	0.1230	EA	25
92011	0.1355	EA	25
92012	0.1507	EA	25
92013	0.1584	EA	10
92014-1	0.2108	EA	10
92014-2	0.3043	EA	10
92014-3	0.1717	EA	50
92014-4	0.1812	EA	50
92014	0.2039	EA	10
92015-1	0.1656	EA	25
92015	0.1063	EA	25
92016	0.1216	EA	25
92017	0.1261	EA	25
92018	0.1395	EA	25
92019	0.1486	EA	25
92020	0.1612	EA	25
92021	0.1863	EA	25
92022	0.2360	EA	25
92023-1	0.3036	EA	10
92023	0.2854	EA	10
92024-1	0.2301	EA	25
92024-3	0.3121	EA	50
92024	0.1913	EA	25
92025	0.1763	EA	25
92027	0.1870	EA	25
92028	0.2012	EA	25
92029	0.2088	EA	25
92030	0.0820	EA	25
92031	0.2546	EA	25
92032	0.3195	EA	25
92033	0.3610	EA	25
92034-1	0.6754	EA	25
92034	0.4096	EA	25
92035	0.6776	EA	10
92036	1.2001	EA	25
92037-1	2.1133	EA	25
92037-2	0.2324	EA	25
92037-3	0.2717	EA	25
92037-4	0.2814	EA	25
92037-5	0.2912	EA	25
92037-6	0.3355	EA	25
92037-7	0.4046	EA	25
92037-8	0.3683	EA	50
92037	1.8618	EA	25
92038	0.2914	EA	25
92039-1	0.3876	EA	25
92039	0.2741	EA	25
92040-1	0.3282	EA	25
92040	0.3144	EA	25
92041	0.3485	EA	25
92042	0.4111	EA	25
92043	0.4438	EA	25
92044	0.4935	EA	25
92045	0.5532	EA	25
92046	0.8713	EA	25
92047	0.5552	EA	10
92049	0.5755	EA	10
92050-1	0.4587	EA	25
92050	0.4141	EA	25
92051-1	0.5847	EA	25
92052	0.4675	EA	10
92053	0.4720	EA	10
92054	0.4841	EA	10
92056-1	0.5045	EA	10
92056	0.5346	EA	10
92057	0.5515	EA	10
92058-1	0.7219	EA	10
92058	0.6261	EA	10
92059	0.8317	EA	10
92060	1.2192	EA	10
92061	0.8480	EA	10
92063	0.8692	EA	10
9207	0.1821	EA	25
92072	0.6420	EA	10
92075	0.7259	EA	10
92076	0.8243	EA	10
92084-1	1.6966	EA	10
92084	0.9858	EA	10
92085	1.2190	EA	10
92086	1.3568	EA	10
92087	1.5370	EA	10
92088	1.6218	EA	10
92089	1.6642	EA	10
92090	1.8126	EA	10
92091	1.9716	EA	10
92093	2.0458	EA	10
92094	3.2421	EA	25
92095	3.6096	EA	25
92096	3.9770	EA	25
92097	4.1900	EA	25
92098	4.4166	EA	25
92099-1	5.6977	EA	10
92099-2	9.7365	EA	10
92099-3	10.2826	EA	10
92099-4	11.0656	EA	5
92099-6	13.2637	EA	5
92099-7	14.0536	EA	5
92099	4.8288	EA	10
9210	2.3002	EA	5
92100-3	0.1483	EA	100
92101	0.0534	EA	100
92102	0.0547	EA	100
92103	0.0813	EA	100
92104	0.0562	EA	100
92105	0.0854	EA	100
92106-1	0.1519	EA	100
92106	0.0594	EA	100
92107-1	0.2259	EA	100
92107-2	0.2428	EA	100
92107-3	0.0145	EA	100
92107-4	0.0144	EA	100
92107-5	0.4230	EA	100
92107-6	0.4398	EA	100
92107	0.2045	EA	100
92108	0.0996	EA	50
92109	0.1016	EA	50
92110	0.0533	EA	50
92111	0.0679	EA	50
92112-1	0.1095	EA	50
92112	0.0701	EA	50
92113	0.0598	EA	50
92114	0.0772	EA	50
92115	0.0654	EA	50
92116	0.1569	EA	25
92117	0.0977	EA	25
92118	0.2238	EA	25
92119	0.2869	EA	25
92121	0.1267	EA	50
92150-1	0.1624	EA	10
92150	0.4371	EA	10
92151-1	0.1624	EA	10
92151	0.2525	EA	10
92152-1	0.1771	EA	10
92152	0.5413	EA	10
92153-1	0.8959	EA	5
92153	2.7699	EA	5
92154-1	0.9267	EA	5
92154	2.9626	EA	5
92155-1	0.2037	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
92155	0.4498	EA	10
92156-1	1.0828	EA	5
92156	3.2921	EA	5
92157-1	1.1194	EA	5
92157	3.6756	EA	5
92158-1	1.2256	EA	5
92158	3.7705	EA	5
92159	0.7421	EA	10
9216	3.4264	EA	5
92160-1	0.2421	EA	10
92160	0.6054	EA	10
92161-1	0.2509	EA	10
92161	0.6165	EA	10
92162	0.5093	EA	10
92163-1	0.2893	EA	10
92163	0.7109	EA	10
92164-1	0.3277	EA	10
92164	0.7942	EA	10
92165-1	0.3690	EA	10
92165	0.7858	EA	10
92166-1	0.2498	EA	10
92166	0.7415	EA	10
92167-1	0.5196	EA	10
92167	1.0478	EA	10
92168-1	1.9981	EA	2
92168	5.3226	EA	2
92169	6.1006	EA	2
92170-1	2.4264	EA	2
92170	8.2194	EA	2
92171-1	2.9236	EA	2
92171	6.7972	EA	2
92172-1	3.0609	EA	2
92172	7.5811	EA	2
92173-1	0.9714	EA	1
92173	8.0652	EA	10
921LL	1.6492	EA	10
922	0.9339	EA	25
92208	0.0320	EA	100
92209	0.0416	EA	100
92210	0.0507	EA	100
92215	0.0639	EA	100
92216	0.0827	EA	100
92217	0.1014	EA	100
92218	0.1141	EA	100
92219	0.1408	EA	100
9222	2.9944	EA	25
92221	0.1702	EA	100
92228	0.1217	EA	50
92229	0.1395	EA	50
9223-1	2.1398	EA	25
9223-2	1.5601	EA	25
9223	1.6001	EA	25
92230	0.1773	EA	50
92231	0.1937	EA	50
92232	0.2020	EA	50
92233	0.2654	EA	50
92234	0.2673	EA	50
92237	0.2344	EA	50
92238	0.2658	EA	50
92239	0.2971	EA	50
92240	0.2923	EA	50
92241	0.3675	EA	50
92243	0.3991	EA	50
92244	0.4585	EA	50
92248	0.3991	EA	50
92250	0.4998	EA	50
92252	0.4977	EA	50
92253	0.5630	EA	50
92255	0.6128	EA	50
92256	0.6741	EA	50
92258-2	0.0683	EA	50
92258-3	0.0719	EA	50
92258-4	0.0796	EA	50
92258-5	0.0832	EA	50
92260-1	0.0905	EA	50
92260-2	0.1117	EA	50
92260-3	0.1080	EA	50
92260-4	0.1208	EA	50
92260-5	0.1267	EA	50
92262	0.1088	EA	25
92263	0.1073	EA	25
92264	0.1110	EA	25
92265	0.1482	EA	25
92266	0.1676	EA	25
92267	0.2676	EA	25
92268	0.1380	EA	25
92269	0.1387	EA	25
92270	0.2406	EA	25
92271	0.2884	EA	25
92272	0.4008	EA	25
92274	0.2468	EA	25
92275	0.2731	EA	25
92276	0.3205	EA	25
92277	0.3578	EA	25
92278	0.5016	EA	25
92279	0.5775	EA	25
92280	0.7225	EA	25
92281	0.9306	EA	25
92283	0.5049	EA	25
92284	0.6451	EA	25
92285	0.7462	EA	25
92286	0.8094	EA	25
92288	0.6652	EA	25
92289	0.8174	EA	25
92290	1.0018	EA	25
92291	1.3285	EA	25
92292	1.4230	EA	25
923	0.1655	EA	50
92301	0.1913	EA	50
92302-1	0.5700	EA	50
92302	0.5600	EA	50
92303-1	0.2116	EA	50
92303	0.5900	EA	50
92304	0.6000	EA	50
92305	0.6200	EA	50
92306	0.6500	EA	50
92307	0.6600	EA	50
92308	0.6700	EA	50
92309	0.6800	EA	50
92310	0.6900	EA	50
92311	0.7000	EA	50
92312-1	0.7236	EA	50
92312	0.7200	EA	50
92313	0.7500	EA	50
92314	0.8800	EA	50
92315	0.9139	EA	25
92316.:	0.9915	EA	25
92318-1	0.6566	EA	50
92318	0.5800	EA	50
92319-1	0.6677	EA	50
92319	0.5900	EA	50
92320	0.6700	EA	50
92321	0.7200	EA	50
92322	0.8500	EA	50
92323	0.8600	EA	50
92324	0.8700	EA	50
92325	0.8800	EA	50
92326	0.8900	EA	50
92327	0.9000	EA	50
92328-1	0.9556	EA	50
92328	0.9200	EA	50
92329	1.0000	EA	50
92330	1.0800	EA	50
92331	1.0725	EA	50
92332-1	1.0820	EA	50
92332	1.0672	EA	50
92333	1.2660	EA	50
92334-1	0.6475	EA	50
92334	0.6200	EA	50
92335	0.7800	EA	50
92336	0.7850	EA	50
92337	0.8900	EA	50
92338	0.9700	EA	50
92339	1.0000	EA	25
92340	1.0100	EA	25
92341	1.0200	EA	25
92342	1.0300	EA	25
92343	1.0400	EA	25
92344-1	1.0564	EA	25
92344	1.0500	EA	25
92345-1	1.0658	EA	25
92345	1.0600	EA	25
92346	1.1000	EA	25
92347	0.9663	EA	25
92348	1.0543	EA	25
92349	1.1479	EA	25
92350-1	1.4840	EA	25
92350	1.2390	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
92351.....	1.8495	EA	25
92352.....	0.7200	EA	25
92353.....	2.1077	EA	25
92354.....	0.6600	EA	25
92355.....	0.8225	EA	25
92358.....	0.8500	EA	25
92359.....	0.9000	EA	25
92360.....	1.0600	EA	25
92361.....	1.1700	EA	25
92362.....	1.1800	EA	25
92363.....	1.3000	EA	25
92364-1.....	1.1470	EA	25
92364.....	1.6000	EA	25
92365.....	1.7000	EA	25
92366-1.....	2.1882	EA	10
92366.....	1.8000	EA	25
92367-1.....	2.6122	EA	10
92367.....	1.8172	EA	10
92368.....	2.3260	EA	10
92369.....	2.5075	EA	10
92370.....	1.2055	EA	25
92371.....	1.4800	EA	10
92372.....	1.5000	EA	10
92373.....	1.5500	EA	10
92374.....	1.5900	EA	10
92375.....	1.7000	EA	10
92376.....	1.8000	EA	10
92377.....	1.9500	EA	10
92378.....	2.0000	EA	10
92379.....	2.4000	EA	10
92380.....	2.8800	EA	10
92381.....	2.9500	EA	10
92382.....	2.6122	EA	10
92383.....	2.8560	EA	10
92384.....	3.0892	EA	10
92385-1.....	0.6094	EA	25
92385-2.....	0.9500	EA	25
92385.....	3.3648	EA	10
92386.....	0.9700	EA	25
92387.....	0.9800	EA	25
92388.....	1.0000	EA	25
92390-1.....	1.0800	EA	25
92390-2.....	1.3100	EA	25
92390-3.....	1.0200	EA	25
92390.....	1.0100	EA	25
92391-1.....	1.5900	EA	25
92391.....	1.4000	EA	25
92392-1.....	1.9752	EA	10
92392.....	1.8176	EA	10
92393.....	2.3790	EA	10
92394.....	2.5453	EA	10
92395.....	2.5850	EA	10
92396.....	2.9514	EA	10
92397.....	3.0500	EA	10
92398.....	3.1210	EA	10
92399-1.....	3.4178	EA	10
92399.....	3.2500	EA	10
924.....	0.1363	EA	50
92400.....	3.4800	EA	10
92401-1.....	3.9266	EA	10
92401.....	3.5050	EA	10
92402-1.....	3.0000	EA	10
92402.....	4.2976	EA	10
92403.....	5.0396	EA	10
92404.....	6.4227	EA	10
92405.....	3.3860	EA	5
92407.....	3.9690	EA	5
92409.....	4.5202	EA	5
92411.....	5.1668	EA	5
92413.....	5.8028	EA	5
92415.....	6.4388	EA	5
92416.....	6.9476	EA	5
92417.....	7.7002	EA	5
92418.....	8.6330	EA	5
92419.....	9.4598	EA	5
92420-1.....	6.3609	EA	5
92420.....	5.6259	EA	5
92421-1.....	8.1666	EA	5
92421.....	7.0960	EA	5
92422-1.....	9.4916	EA	5
92422.....	9.1948	EA	5
92423-1.....	11.2618	EA	5
92423.....	10.6152	EA	5
92424.....	12.5974	EA	1
92430.....	0.0777	EA	50
92432.....	0.0316	EA	50
92434.....	0.0343	EA	100
92435.....	0.0388	EA	100
92436.....	0.0497	EA	100
92438.....	0.1445	EA	50
92439.....	0.0560	EA	50
92450.....	0.0903	EA	100
92452.....	0.0418	EA	100
92454.....	0.0433	EA	50
92455.....	0.0488	EA	50
9246.....	0.2464	EA	25
9247.....	0.2048	EA	25
9248.....	0.2464	EA	25
9249.....	0.2792	EA	25
925.....	0.6888	EA	50
9250.....	0.3120	EA	25
92500.....	0.0422	EA	50
92501.....	0.0427	EA	50
92502.....	0.0263	EA	50
92503.....	0.0476	EA	50
92504.....	0.0523	EA	50
92505.....	0.0700	EA	50
9250A.....	1.6591	EA	25
9251.....	0.3448	EA	25
92510-1.....	0.0466	EA	50
92510.....	0.0278	EA	50
92511-1.....	0.0502	EA	50
92511.....	0.0303	EA	50
92512.....	0.0322	EA	50
92513.....	0.0567	EA	50
92514.....	0.0388	EA	50
92515.....	0.0664	EA	50
92516.....	0.0444	EA	50
92517.....	0.0876	EA	50
92518.....	0.1033	EA	50
92519.....	0.1219	EA	50
9251A.....	0.7083	EA	25
9252.....	0.3280	EA	25
92520-1.....	0.0611	EA	50
92520.....	0.0569	EA	50
92521-1.....	0.0640	EA	50
92521.....	0.0390	EA	50
92522.....	0.0411	EA	50
92523.....	0.0748	EA	50
92524-1.....	0.0904	EA	50
92524.....	0.0527	EA	50
92525.....	0.0611	EA	50
92526.....	0.0721	EA	25
92527.....	0.1319	EA	25
92528.....	0.1566	EA	25
92529.....	0.1814	EA	25
9252A.....	0.5964	EA	25
9253.....	0.6443	EA	25
92534-1.....	0.0786	EA	50
92534.....	0.0722	EA	50
92535.....	0.0849	EA	50
92536.....	0.0547	EA	50
92537.....	0.0963	EA	50
92538.....	0.0660	EA	50
92539.....	0.0830	EA	50
9254.....	0.4317	EA	25
92540.....	0.0953	EA	25
92541.....	0.1078	EA	25
92542.....	0.2012	EA	25
92543.....	0.2264	EA	25
9255.....	1.9362	EA	25
92554-1.....	0.1075	EA	100
92554.....	0.0729	EA	50
92555-1.....	0.0842	EA	50
92555.....	0.0509	EA	50
92556.....	0.0547	EA	50
92557.....	0.0963	EA	50
92558.....	0.0660	EA	50
92559.....	0.0830	EA	50
9256.....	0.5530	EA	25
92560.....	0.1518	EA	25
92561.....	0.1078	EA	25
92562.....	0.2012	EA	25
92563.....	0.2264	EA	25
92566.....	0.1407	EA	50
92567.....	0.1413	EA	50
92568.....	0.0978	EA	50
92569.....	0.1840	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
9257	0.4428	EA	50
92570	0.2038	EA	25
92571	0.2336	EA	25
92573	0.3090	EA	25
9257A	0.4190	EA	25
9258	0.6972	EA	50
92585	0.1601	EA	25
92586	0.1015	EA	25
92587	0.1748	EA	25
92588-1	0.2800	EA	25
92588	0.1181	EA	25
92589	0.1400	EA	25
9258A	1.4277	EA	25
9259	1.0576	EA	25
92590	0.1580	EA	25
92591	0.1749	EA	25
92592	0.3219	EA	25
92593	0.2299	EA	25
92595	0.2215	EA	25
92596	0.2769	EA	25
92599-1	0.4647	EA	25
92599-10	0.9755	EA	10
92599-2	0.2769	EA	25
92599-3	0.5337	EA	25
92599-4	0.6148	EA	25
92599-5	0.7422	EA	25
92599-6	0.6045	EA	10
92599-7	0.6841	EA	10
92599-8	0.7638	EA	10
92599-9	0.9001	EA	10
92599	0.4624	EA	25
9259A	2.9354	EA	25
9260	1.1232	EA	25
92600	0.0258	EA	50
92601	0.0408	EA	50
92602	0.0287	EA	50
92603	0.0476	EA	50
92604-1	0.0677	EA	50
92604	0.0349	EA	50
92605	0.0700	EA	50
9260A	0.5375	EA	25
9261	1.1232	EA	25
92610-1	0.0465	EA	50
92610	0.0294	EA	50
92611-1	0.0507	EA	50
92611	0.0486	EA	50
92612	0.0351	EA	50
92613	0.0582	EA	50
92614	0.0423	EA	50
92615	0.0677	EA	50
92616	0.0478	EA	50
92617	0.0876	EA	50
92618	0.0685	EA	50
92619	0.1219	EA	50
9261A	0.3500	EA	25
9262	0.6436	EA	50
92620-1	0.0611	EA	50
92620	0.0377	EA	50
92621	0.0409	EA	50
92622	0.0150	EA	50
92623	0.0768	EA	50
92624-1	0.0928	EA	50
92624	0.0572	EA	50
92625	0.0661	EA	50
92626	0.0763	EA	25
92627	0.0875	EA	25
92628	0.1566	EA	25
92629	0.1206	EA	25
9262A	0.1569	EA	25
9263	0.5085	EA	25
92634	0.0478	EA	50
92635	0.0533	EA	50
92636	0.0591	EA	50
92637	0.0985	EA	50
92638-1	0.1216	EA	50
92638	0.0717	EA	50
92639	0.0901	EA	50
9264	1.2384	EA	25
92640	0.1035	EA	25
92641	0.1166	EA	25
92642	0.2012	EA	25
92643	0.1506	EA	25
9264A	0.2814	EA	25
9265	1.2384	EA	25
92654-1	0.0770	EA	50
92654	0.0482	EA	50
92655-1	0.1129	EA	100
92655	0.0811	EA	50
92656	0.0591	EA	50
92657	0.0985	EA	50
92658	0.0717	EA	50
92659	0.0901	EA	50
9265A	0.4462	EA	25
9266	1.2384	EA	25
92660	0.1035	EA	25
92661	0.1166	EA	25
92662	0.2012	EA	25
92663	0.1506	EA	25
92665	0.1407	EA	50
92666	0.0883	EA	50
92667	0.1028	EA	50
92668	0.1840	EA	50
92669	0.1275	EA	50
9266A	0.6365	EA	25
9267	2.3456	EA	25
92670	0.1463	EA	50
92672	0.3090	EA	50
9267A	0.3667	EA	25
9268	0.4462	EA	25
92685	0.0939	EA	25
92686	0.1101	EA	25
92687	0.1790	EA	25
92688-1	0.3857	EA	100
92688	0.1279	EA	25
92689	0.1525	EA	25
9269	0.6020	EA	25
92690	0.1715	EA	25
92691	0.1895	EA	25
92692	0.2289	EA	25
92693	0.2495	EA	25
92694-1	0.4108	EA	25
92695	0.2862	EA	25
92696	0.3710	EA	25
92697	0.4452	EA	25
92698-1	0.2862	EA	25
92698-2	0.3922	EA	25
92698-3	0.4134	EA	25
92698-4	0.7422	EA	25
92698	0.4624	EA	25
92699-1	0.7638	EA	10
92699-2	0.9001	EA	10
92699	0.6045	EA	10
9270	0.9325	EA	25
92702	0.1229	EA	50
92703	0.1373	EA	50
92704	0.1497	EA	50
92706	0.2002	EA	50
92708	0.2398	EA	50
9271	0.6020	EA	25
92710	0.2905	EA	50
92718	0.2009	EA	50
92719	0.2229	EA	50
9272	0.5541	EA	25
92720	0.2416	EA	50
92721	0.2655	EA	50
92722	0.2922	EA	50
92724	0.3695	EA	50
92726	0.5043	EA	50
9273	0.4295	EA	25
92734	0.2753	EA	50
92735	0.2779	EA	50
92736	0.3101	EA	50
92738	0.3795	EA	50
92740	0.4728	EA	25
92742	0.5735	EA	25
92754	0.7973	EA	25
92755	0.8477	EA	25
92760	0.9373	EA	25
92764	1.4098	EA	25
9278	0.2792	EA	25
92785-2	0.3991	EA	25
92787	0.5486	EA	25
9279	0.4512	EA	25
92790	0.6875	EA	25
928	0.8257	EA	25
9280	0.7544	EA	25
92806	0.0596	EA	100
92809	0.0674	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
9281	1.2464	EA	25
92811	0.1469	EA	100
92812	0.1981	EA	100
92813	0.2809	EA	100
9282	0.3120	EA	25
9283	0.3856	EA	25
9283A	1.0189	EA	10
9284	0.4104	EA	25
9284A	0.8963	EA	10
9285	0.6400	EA	25
929	0.8257	EA	25
92902	0.0307	EA	100
92904	0.0471	EA	50
92909	0.1572	EA	50
92915	0.0475	EA	50
92917	0.0478	EA	50
92919	0.0480	EA	50
92921	0.0604	EA	50
92923	0.0563	EA	50
92927	0.0532	EA	50
92929	0.0464	EA	50
92931	0.0632	EA	50
92933	0.0636	EA	50
92935	0.0718	EA	50
92937	0.1033	EA	50
92941	0.0569	EA	50
92943	0.0654	EA	50
92945	0.0807	EA	50
92947	0.1101	EA	50
92949	0.1190	EA	50
92950	0.1906	EA	25
92951	0.1319	EA	25
92953	0.1814	EA	25
92956	0.0722	EA	50
92958	0.0849	EA	50
92960	0.1066	EA	50
92962	0.1290	EA	50
92964	0.1623	EA	50
92965	0.1510	EA	25
92966	0.1727	EA	25
92967	0.1944	EA	25
92968	0.5293	EA	25
9297	2.0140	EA	10
92971	0.0871	EA	50
92973	0.0970	EA	50
92975	0.1066	EA	50
92977	0.1290	EA	50
92979	0.1623	EA	50
92980	0.1863	EA	25
92981	0.2104	EA	25
92986	0.1235	EA	50
92987	0.1405	EA	50
92988	0.1869	EA	50
92989	0.2049	EA	50
92996	0.1563	EA	25
92998	0.1980	EA	25
93	0.2921	EA	50
93000	0.2303	EA	25
93002	0.2742	EA	25
93003	0.2576	EA	25
93004	0.2849	EA	25
93005	0.3442	EA	25
93006	0.4492	EA	25
93008	0.4108	EA	25
9301	55.8502	EA	1
93012	0.2612	EA	50
93013	0.1363	EA	50
93014	0.2183	EA	50
93015-1	0.2113	EA	25
93015	0.1063	EA	25
93016	0.1098	EA	25
93017	0.1460	EA	25
93018-1	0.1702	EA	25
93018	0.1259	EA	25
93020	0.1494	EA	25
93021	0.1863	EA	25
93022	0.2195	EA	25
93023	0.3025	EA	10
93024	0.2814	EA	10
9303	0.3578	EA	50
93039-3	0.1108	EA	100
9304	0.2948	EA	50
93040	0.0772	EA	100
93041	0.1108	EA	100
93043	0.1258	EA	100
93045	0.1458	EA	100
93048	0.2016	EA	100
93049	0.1007	EA	100
9305	0.3633	EA	50
93050	0.1152	EA	50
93051	0.1296	EA	100
93052	0.1380	EA	50
93053	0.1428	EA	100
93054	0.1450	EA	50
93055	0.1635	EA	100
93056	0.1808	EA	50
93058	0.2503	EA	50
9306	0.3004	EA	50
93061	0.1140	EA	100
93062	0.1524	EA	50
93063	0.1354	EA	100
93064	0.1654	EA	50
93065	0.1415	EA	100
93066	0.1859	EA	50
93067	0.1839	EA	100
93068	0.2131	EA	50
93069	0.1997	EA	100
9307	0.3093	EA	50
93070	0.2328	EA	50
93074-1	0.1495	EA	100
93074	0.1639	EA	50
93075	0.1895	EA	50
93076	0.1953	EA	50
93077	0.2041	EA	50
93078-1	0.2335	EA	100
93078	0.2389	EA	50
93079	0.2824	EA	50
9308	0.3213	EA	50
93082	0.2210	EA	50
93083	0.2187	EA	100
93084	0.2645	EA	50
93085	0.2280	EA	50
93086	0.2533	EA	100
93087-1	0.2253	EA	100
93087	0.2615	EA	50
93088	0.3023	EA	50
93089-1	0.4734	EA	50
93089	0.4954	EA	50
93092	0.3199	EA	50
93093	0.2446	EA	50
93094-1	0.2511	EA	50
93094	0.2496	EA	50
93095	0.2576	EA	50
93096	0.2731	EA	50
93097-1	0.3421	EA	50
93097	0.2951	EA	50
93098-1	0.4954	EA	50
93098	0.3502	EA	50
93099-2	0.8067	EA	50
93099	0.5151	EA	50
931	0.4382	EA	25
9310	0.3565	EA	50
93105	0.3117	EA	25
93106-1	0.3503	EA	100
93106	0.3307	EA	25
93107-1	0.4192	EA	50
93107	0.3770	EA	25
93108-1	0.4326	EA	50
93108	0.4137	EA	25
93109-1	0.5711	EA	50
93109	0.5217	EA	25
93110	0.7149	EA	25
93111	0.8281	EA	50
93112	0.8652	EA	50
93113	1.0330	EA	50
93114	1.0632	EA	50
93115	2.8408	EA	10
93116	3.6888	EA	10
93117	3.9114	EA	10
93119	0.0501	EA	100
93121	0.0616	EA	100
93122	0.4656	EA	50
93123	0.5612	EA	50
93124	0.5893	EA	50
93125	0.5917	EA	50
93126	0.6840	EA	50
93127	0.7540	EA	50
93128	0.9131	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
93129	1.0365	EA	50
9313	0.4451	EA	50
93137	0.0540	EA	100
93139	0.0669	EA	100
93141	0.0815	EA	100
93143	0.1121	EA	100
93149	0.0726	EA	100
93151	0.0904	EA	100
93153	0.1145	EA	100
93155	0.1504	EA	100
93156	0.1995	EA	100
93161	0.1232	EA	100
93162	0.1473	EA	100
93164	0.1797	EA	100
93166	0.2504	EA	100
93172	0.2437	EA	100
93174	0.7735	EA	100
93215	0.0422	EA	50
93216	0.0426	EA	50
93217	0.0287	EA	50
93219	0.0338	EA	50
93221	0.0200	EA	50
93236	0.0547	EA	50
93237	0.0170	EA	50
93238	0.0613	EA	50
93239	0.0200	EA	50
93241	0.0551	EA	50
93243	0.0400	EA	50
93249	0.0215	EA	50
93250	0.0837	EA	50
93251	0.0280	EA	50
93253	0.0792	EA	50
93254	0.0385	EA	25
93255	0.0215	EA	25
93260-1	0.1179	EA	50
93260	0.0706	EA	50
93261	0.0415	EA	50
93262	0.0420	EA	50
93263	0.1144	EA	25
93264	0.1295	EA	25
93266	0.0615	EA	25
93267	0.1619	EA	50
93269	0.1066	EA	50
93270	0.0700	EA	50
93271	0.2256	EA	25
93272	0.0900	EA	25
93274	0.1140	EA	25
9330	0.3999	EA	50
93301	0.1817	EA	25
93302	0.2065	EA	25
93303	0.2645	EA	25
93304	0.3334	EA	25
93305	0.3745	EA	25
93306	0.4626	EA	25
93307	0.6376	EA	25
9331	0.4051	EA	50
93310	0.3139	EA	25
93311	0.3358	EA	25
93312	0.4295	EA	25
93313	0.5398	EA	25
93314	0.6389	EA	25
93315	0.7614	EA	25
93316	0.9137	EA	25
93317	1.0964	EA	25
9332	0.4091	EA	50
93321	0.5145	EA	25
93322	0.5286	EA	25
93323	0.6774	EA	25
93324	0.8204	EA	25
93325	1.0282	EA	25
93326	1.2473	EA	25
93328	1.4950	EA	25
93334	1.1821	EA	25
93335	1.4168	EA	25
93336	1.6993	EA	25
93337	1.9514	EA	25
93338	2.3468	EA	25
93339	2.6989	EA	25
9334	0.4130	EA	50
93340	3.1030	EA	25
93341	3.4725	EA	25
9335	0.5118	EA	50
9336	0.4171	EA	50
9337	0.4212	EA	50
9338	0.5213	EA	50
9339	0.4257	EA	50
9340	0.5310	EA	50
93401	2.9405	EA	10
93402	3.2551	EA	10
93403	3.3847	EA	10
93404	3.8471	EA	10
93405	4.1617	EA	10
93406	4.7551	EA	10
93407	5.6043	EA	10
9341	0.5337	EA	50
93410	3.8667	EA	10
93411	4.0131	EA	10
93412	4.1918	EA	10
93413	3.2151	EA	10
93414	3.6320	EA	10
93415	3.7798	EA	10
93416	4.4839	EA	10
93417	5.3002	EA	10
9342	0.5365	EA	50
93420	3.9970	EA	10
93421	4.2142	EA	10
93422	4.4139	EA	10
93423	4.9268	EA	10
93424	5.5524	EA	10
93425	5.8214	EA	5
93426	6.0653	EA	5
93430	8.2547	EA	5
93431	8.3415	EA	5
93432	6.7960	EA	5
93433	9.5578	EA	5
93434	11.7304	EA	5
93550	22.5000	EA	1
93551	25.0000	EA	1
93552	28.0000	EA	1
93553	32.0000	EA	1
93554	36.8000	EA	1
93555	48.1500	EA	1
93556	61.5000	EA	1
93557	72.2000	EA	1
93558	93.5000	EA	1
93560	23.0000	EA	1
93561	30.0000	EA	1
93562	36.0000	EA	1
93563	37.2500	EA	1
93564	38.0000	EA	1
93565	49.2500	EA	1
93566	55.0000	EA	1
93567	123.8523	EA	1
93568	125.5000	EA	1
93570	4.3354	EA	5
93571	5.8830	EA	5
93572	8.2680	EA	5
93573	10.0480	EA	2
93574	10.6318	EA	2
93575	15.0838	EA	2
93576	21.0410	EA	1
93577	37.7466	EA	1
93578	42.4636	EA	1
9359	0.4433	EA	25
9360	0.4506	EA	25
93602	0.1271	EA	100
93603	0.1279	EA	100
93604	0.1302	EA	100
93605-2	0.1461	EA	100
93605	0.1315	EA	100
93606	0.4700	EA	100
93607	0.3315	EA	100
93609	0.4800	EA	100
93611-1	0.6625	EA	100
93611	0.5500	EA	100
93613	0.7500	EA	100
93614	1.2007	EA	50
93615	1.6260	EA	25
93616	3.0904	EA	25
93617	4.4896	EA	25
93618-1	0.0700	EA	100
93618	0.0691	EA	100
93619	0.0833	EA	100
9362	0.4616	EA	25
93620	0.1156	EA	100
93621	0.2015	EA	100
93622	0.0706	EA	100
93623	0.0713	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
93624	0.3725	EA	100
93625	0.4550	EA	100
93626	0.5100	EA	100
93627	0.5230	EA	50
93628	0.8225	EA	50
93629	1.7528	EA	25
93630	3.2215	EA	10
93631	0.4398	EA	50
93632	0.5257	EA	50
93637	0.0713	EA	100
9364	0.4751	EA	25
93640	0.4185	EA	25
93641	0.5350	EA	25
93642	0.7314	EA	25
93644	2.1836	EA	10
9365	0.4825	EA	25
93650	0.4346	EA	25
93658	0.0794	EA	100
93659-1	0.1415	EA	100
93659	0.1005	EA	100
93660-1	0.3245	EA	50
93660-2	0.3303	EA	50
93660	0.0756	EA	100
93661-1	0.5490	EA	50
93661	0.0954	EA	100
93662-1	0.8707	EA	25
93662	0.1250	EA	100
93663-1	2.8466	EA	25
93663	0.2949	EA	50
93664	0.3185	EA	50
93665	0.4876	EA	50
93666	0.5228	EA	50
93667	0.8292	EA	25
93668	1.6363	EA	25
93669	2.7076	EA	25
9367	0.5034	EA	25
9368	0.5136	EA	25
937-1	0.4346	EA	25
9370	0.5338	EA	25
93700	0.4000	EA	100
93701	0.4500	EA	100
93702	0.5000	EA	100
93703	0.6050	EA	100
93704-A	0.2778	EA	500
93704	0.6000	EA	100
93705	0.7000	EA	50
93706	0.7500	EA	50
93707	0.8500	EA	25
93708	0.9500	EA	25
9372	0.5444	EA	25
9373	0.5642	EA	25
9375	0.5863	EA	25
93750	0.0253	EA	100
93751	0.0308	EA	100
93752	0.0331	EA	100
93753	0.0496	EA	50
93754	0.0604	EA	50
93755	0.1860	EA	50
93756	0.2050	EA	25
93757	0.2509	EA	25
93758	1.6936	EA	10
93759	0.7847	EA	10
9376	0.6045	EA	25
93760	0.0123	EA	100
93761	0.0133	EA	100
93762	0.0138	EA	100
93763	0.0188	EA	100
93764	0.0265	EA	100
93765	0.0338	EA	100
93766	0.0571	EA	100
93767-1	0.1665	EA	100
93767	0.0726	EA	100
93769	0.1586	EA	100
93770	0.2866	EA	50
93771-1	0.9057	EA	25
93771-7/8	0.8238	EA	25
93771	0.4342	EA	25
93772	0.1125	EA	200
93773	0.1136	EA	200
93774	0.1143	EA	200
93775	0.1155	EA	100
93776	0.1176	EA	100
93777	0.3500	EA	100
93778	0.4000	EA	100
93779-1	0.5000	EA	100
93779-A	0.1544	EA	500
93779	0.4500	EA	100
9378	0.6305	EA	25
93781	0.5500	EA	100
93782	0.6000	EA	50
93783	0.7000	EA	25
93784	0.8000	EA	25
93785	0.9000	EA	25
938	0.2472	EA	25
93802	0.0288	EA	100
93803	0.0352	EA	100
93804	0.0440	EA	100
93805	0.0684	EA	100
93806	0.0694	EA	100
93807	0.0783	EA	100
93808	0.1305	EA	100
93809	0.3035	EA	100
9381	0.4104	EA	25
93810	0.2065	EA	100
93812	0.3755	EA	50
93813	1.1132	EA	50
9382	0.4432	EA	25
93822	0.0288	EA	100
93823	0.0354	EA	100
93824	0.0440	EA	100
93825	0.0927	EA	100
93826	0.0694	EA	100
93827	0.0783	EA	100
93828	0.1305	EA	100
93829	0.3075	EA	100
9383	0.4264	EA	25
93830	0.3666	EA	100
93832	0.3755	EA	50
93833	1.1361	EA	50
9384	0.5088	EA	25
9385	0.5744	EA	25
93850	0.0661	EA	100
93851	0.0924	EA	100
93852	0.1585	EA	100
93853	0.4460	EA	50
93854	0.4591	EA	50
93855	0.8769	EA	50
93856	1.8036	EA	25
93857	3.4160	EA	10
93858	4.6502	EA	10
93859	10.7172	EA	10
9386	0.5576	EA	25
9387	0.7136	EA	25
93878	0.4929	EA	100
93879	0.4514	EA	100
9388	0.7464	EA	25
93880	0.4601	EA	100
93881	0.5133	EA	100
93882	0.6451	EA	100
9389	0.2376	EA	25
93890	0.3153	EA	100
93891	0.2803	EA	100
93892	0.0663	EA	100
93893	0.2716	EA	100
93894	0.0721	EA	100
93896	0.3371	EA	100
93897	0.2840	EA	100
93898	0.3204	EA	100
93899	0.5577	EA	100
93901	0.0664	EA	50
93902	0.0682	EA	50
93903	0.0724	EA	50
93904	0.0805	EA	50
93905	0.0887	EA	50
93906	0.0875	EA	50
93907	0.1009	EA	50
93908	0.0619	EA	50
93909	0.0677	EA	50
9391	0.3776	EA	25
93910	0.0682	EA	50
93911	0.0710	EA	50
93912	0.0740	EA	50
93913	0.0953	EA	50
93914	0.1155	EA	50
93915	0.1296	EA	50
93917	0.0704	EA	50
93918	0.0714	EA	50
93919	0.0725	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
93920	0.0768	EA	50
93921	0.0815	EA	50
93922	0.0975	EA	50
93923	0.1069	EA	50
93924	0.1542	EA	50
93926	0.0869	EA	50
93927	0.0964	EA	50
93928	0.1016	EA	50
93929	0.1076	EA	50
93930-1	0.1396	EA	50
93930	0.1195	EA	50
93931	0.1604	EA	50
93934	0.1134	EA	50
93935	0.1144	EA	50
93936	0.1295	EA	50
93937-1	0.1715	EA	50
93937	0.1360	EA	50
93938	0.1521	EA	50
93939	0.1940	EA	50
9394	0.5526	FT	25
93941	0.2434	EA	25
93942	0.2983	EA	25
93946	0.1609	EA	50
93947	0.1638	EA	50
93948	0.1737	EA	50
93949	0.1990	EA	50
9395	0.6099	FT	25
93950	0.2345	EA	50
93951	0.2746	EA	50
93952	0.3345	EA	25
93959	0.2205	EA	50
9396	0.6251	EA	25
93960	0.2214	EA	50
93961	0.2707	EA	50
93962	0.3059	EA	50
93963	0.3469	EA	25
93964	0.4694	EA	25
93965	0.8532	EA	25
9397	0.6515	EA	25
93970	0.1133	EA	50
93971	0.1346	EA	50
93972	0.1506	EA	50
9398	0.6529	EA	25
93980	0.6083	EA	25
93981	0.6679	EA	25
93982	0.9928	EA	25
93983	0.7405	EA	25
9399	0.6817	EA	25
93990	0.0866	EA	50
93991	0.0869	EA	50
93992	0.0981	EA	50
93993	0.1042	EA	50
93994	0.1109	EA	50
93995	0.1220	EA	50
93996	0.1274	EA	50
93997	0.1743	EA	50
93998	0.1848	EA	50
94	0.1561	EA	100
9400	0.6951	EA	25
9401	0.7226	EA	25
9402	0.7312	EA	25
9403	0.7374	EA	25
9404	0.7827	EA	25
9405	0.8184	EA	25
9406	0.8538	EA	25
9407	0.8964	EA	25
9408	0.9414	EA	25
9409	0.9884	EA	25
941	0.4327	EA	25
9410	1.0379	EA	25
94110	0.0407	EA	100
94111	0.0411	EA	100
94112	0.0415	EA	100
94113	0.0476	EA	100
94114	0.0586	EA	100
94115	0.0429	EA	100
94116	0.0433	EA	100
94117	0.0273	EA	100
94118	0.0306	EA	100
94119	0.0313	EA	100
94121	0.0386	EA	100
94122	0.0721	EA	100
94123	0.0514	EA	100
94136	0.0534	EA	100
94137	0.0336	EA	100
94138	0.0374	EA	100
94139	0.0420	EA	100
94141	0.0510	EA	100
94142	0.0595	EA	100
94143	0.0703	EA	100
94144	0.1159	EA	100
94145	0.0749	EA	100
94148	0.0719	EA	100
94149	0.0456	EA	100
94150	0.0815	EA	100
94151	0.0566	EA	100
94153	0.0717	EA	100
94154	0.0735	EA	100
94155-1	0.1107	EA	100
94155	0.0941	EA	100
94156	0.1249	EA	100
94161	0.0772	EA	100
94162	0.0922	EA	100
94163	0.1038	EA	100
94164	0.1124	EA	100
94166	0.1567	EA	100
94170	0.1199	EA	100
94172	0.1526	EA	100
94174	0.7501	EA	100
9418	0.7362	EA	10
9421	0.7312	EA	10
94210	0.0374	EA	100
94211	0.0234	EA	100
94212	0.0271	EA	100
94213	0.0322	EA	100
94214	0.0620	EA	100
94215	0.0263	EA	100
94216	0.0267	EA	100
94217	0.0294	EA	100
94218	0.0321	EA	100
94219	0.0345	EA	100
94221	0.0424	EA	100
94222	0.0227	EA	100
94223	0.0853	EA	100
94236	0.0336	EA	100
94237	0.0381	EA	100
94238	0.0394	EA	100
94239	0.0463	EA	100
9424	0.8149	EA	10
94241	0.0572	EA	100
94242	0.0663	EA	100
94243	0.0787	EA	100
94244	0.1508	EA	100
94245	0.1616	EA	100
94248	0.0791	EA	100
94249	0.0499	EA	100
94250	0.0523	EA	100
94251	0.0657	EA	100
94253	0.0825	EA	100
94254	0.0883	EA	50
94255	0.1028	EA	50
94256	0.1236	EA	100
94257	0.1385	EA	100
94260	0.0712	EA	100
94261	0.0809	EA	100
94262	0.0991	EA	100
94263	0.1129	EA	50
94264	0.1275	EA	50
94265	0.1773	EA	100
94267	0.1790	EA	100
94269	0.1132	EA	100
94270	0.1341	EA	100
94271	0.1417	EA	50
94272	0.1710	EA	50
94274	0.2307	EA	50
94300	0.0386	EA	100
94301	0.0390	EA	100
94302	0.0409	EA	100
94303	0.0471	EA	100
94304	0.0580	EA	100
94305	0.0406	EA	100
94306	0.0257	EA	100
94307	0.0269	EA	100
94308	0.0305	EA	100
94309	0.0311	EA	100
94310	0.0384	EA	100
94311	0.0894	EA	100
94312	0.1054	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
94313	0.0528	EA	100
94314	0.0334	EA	100
94315	0.0375	EA	100
94316	0.0417	EA	100
94317	0.0505	EA	100
94318	0.0589	EA	100
94319	0.0695	EA	100
94320	0.1365	EA	100
94321	0.0485	EA	100
94322	0.0780	EA	100
94323	0.0788	EA	100
94324	0.0499	EA	100
94325	0.0561	EA	100
94326	0.0711	EA	100
94327	0.0727	EA	100
94328	0.0935	EA	100
94329	0.1850	EA	100
94330	0.0520	EA	100
94331	0.0914	EA	100
94332	0.1029	EA	100
94333	0.1115	EA	100
94334	0.2224	EA	100
94350	0.0665	EA	100
94351	0.0773	EA	100
94352	0.0791	EA	100
94353	0.0926	EA	100
94354	0.0954	EA	100
94355	0.1078	EA	100
94356	0.1490	EA	100
94357	0.1549	EA	100
94358	0.0853	EA	100
94359	0.0981	EA	100
94360	0.1012	EA	100
94361	0.1140	EA	100
94362	0.1291	EA	100
94363	0.1493	EA	100
94364	0.1727	EA	100
94365	0.1978	EA	100
94366	0.0071	EA	100
94367	0.1273	EA	100
94368	0.1338	EA	100
94369	0.1483	EA	100
94370	0.1617	EA	100
94371	0.2032	EA	100
94372	0.2336	EA	100
94373	0.2639	EA	100
94374	0.1094	EA	100
94375	0.1273	EA	100
94376	0.1338	EA	100
94377	0.1483	EA	100
94378	0.1617	EA	100
94379	0.2032	EA	100
94380	0.2336	EA	100
94381	0.2639	EA	100
94489	0.1401	EA	100
94490	0.0601	EA	100
94491	0.0012	EA	100
94492	0.0020	EA	100
94493	0.0601	EA	100
94494	0.0654	EA	100
94495	0.0681	EA	100
94496	0.0621	EA	100
94497	0.0974	EA	100
94498	0.0439	EA	100
94499	0.0028	EA	100
945	0.8667	EA	10
9450	92.0811	EA	1
94500-1	0.0028	EA	100
94500	0.0463	EA	100
94501	0.0480	EA	100
94502	0.0513	EA	100
94504	0.0343	EA	100
94505	0.1294	EA	100
94506	0.0825	EA	100
94509	0.0921	EA	100
94510-1	0.0030	EA	100
94510	0.0532	EA	100
94511-1	0.0560	EA	100
94511	0.0582	EA	100
94512	0.0396	EA	100
94513	0.0423	EA	100
94514	0.0480	EA	100
94515	0.0969	EA	100
94516	0.0536	EA	100
94517	0.1333	EA	100
94518	0.0867	EA	100
94519	0.1251	EA	100
9452	132.0263	EA	1
94520	0.0390	EA	100
94521	0.0744	EA	100
94522	0.0496	EA	100
94523	0.1026	EA	100
94524-1	0.1246	EA	100
94524	0.1101	EA	100
94525	0.0726	EA	100
94526	0.1712	EA	100
94527	0.1076	EA	50
94528	0.1690	EA	50
94535	0.1004	EA	100
94536	0.1066	EA	100
94538	0.0852	EA	100
94539	0.1073	EA	100
9454	205.3020	EA	1
94540	0.2220	EA	50
94541	0.2314	EA	50
94542	0.1434	EA	50
9455	169.1011	EA	1
94554	0.0092	EA	100
94555	0.0552	EA	100
94556	0.1066	EA	100
94557	0.1287	EA	100
94558	0.1549	EA	100
94559	0.1951	EA	100
94560	0.2220	EA	50
94561	0.2314	EA	50
94563	0.2709	EA	50
94585	0.1862	EA	50
94586	0.1980	EA	50
94587	0.2034	EA	50
94588-1	0.4616	EA	100
94588	0.2303	EA	50
94589	0.2742	EA	50
94590	0.3086	EA	50
94591	0.3413	EA	50
94592	0.4119	EA	50
94593	0.4490	EA	50
94607	0.0525	EA	50
94608	0.0540	EA	50
94609	0.0322	EA	50
94610	0.0759	EA	50
94611	0.0931	EA	50
94613	0.0347	EA	50
94614	0.0716	EA	50
94615-1	0.0890	EA	100
94615	0.0400	EA	50
94616-1	0.1075	EA	100
94616	0.0400	EA	50
94617	0.0400	EA	50
94618	0.1313	EA	25
94619	0.1456	EA	25
94620	0.2144	EA	100
94621	0.3069	EA	100
94623-1	0.5590	EA	100
94623	0.1024	EA	50
94624-1	0.1988	EA	100
94624	0.0400	EA	50
94625-1	0.1409	EA	100
94625	0.0600	EA	50
94626	0.0600	EA	50
94627	0.0948	EA	25
94628	0.1072	EA	25
94629	0.1382	EA	100
94632	0.1024	EA	50
94633	0.0543	EA	50
94634	0.0658	EA	50
94635	0.0827	EA	50
94636	0.0948	EA	25
94637	0.1072	EA	25
94641-1	0.2075	EA	100
94641	0.0800	EA	25
94642	0.0800	EA	25
94643	0.0800	EA	25
94644	0.1572	EA	25
94645	0.1737	EA	25
94647	0.2289	EA	25
94648-1	0.0019	EA	100
94648-2	0.0410	EA	100
94648-3	0.0360	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
94648	0.0022	EA	100
94649-1	0.0641	EA	100
94649-2	0.0486	EA	100
94649-3	0.0467	EA	100
94649	0.0393	EA	100
94650-2	0.1374	EA	100
94650-3	0.1054	EA	100
94650-4	0.0457	EA	50
94650	0.0507	EA	100
94651-1	0.0470	EA	50
94651	0.0482	EA	50
94652-1	0.0495	EA	50
94652	0.0505	EA	50
94653-1	0.0568	EA	50
94653	0.0538	EA	50
94654-1	0.0765	EA	50
94654	0.0614	EA	50
94655-1	0.1034	EA	50
94655-2	0.1095	EA	50
94655	0.0808	EA	50
94656	0.0523	EA	50
94657-1	0.0610	EA	50
94657	0.0555	EA	50
94658-1	0.0605	EA	50
94658	0.0610	EA	50
94659-1	0.0729	EA	50
94659	0.0661	EA	50
94660-1	0.0808	EA	50
94660	0.0797	EA	50
94661-1	0.1144	EA	50
94661	0.0902	EA	50
94662-1	0.1512	EA	50
94662-2	0.1837	EA	100
94662	0.1291	EA	50
94663-1	0.0710	EA	50
94663	0.0711	EA	50
94664-1	0.0773	EA	50
94664	0.0779	EA	50
94665-1	0.0964	EA	50
94665	0.0846	EA	50
94666-1	0.1214	EA	50
94666	0.1153	EA	50
94667	0.1247	EA	50
94668	0.1442	EA	25
94669	0.1651	EA	25
94670	0.1869	EA	25
94671	0.2276	EA	25
94672-1	0.1854	EA	50
94672	0.0903	EA	50
94673-1	0.1017	EA	50
94673	0.1011	EA	50
94674-1	0.1235	EA	50
94674	0.1118	EA	50
94675-1	0.1451	EA	50
94675	0.1353	EA	50
94676	0.1699	EA	50
94677	0.1953	EA	25
94678	0.2204	EA	25
94679	0.2400	EA	25
94680	0.2840	EA	25
94681-1	0.1015	EA	50
94681	0.0913	EA	50
94682-1	0.1017	EA	50
94682	0.1015	EA	50
94683-1	0.1235	EA	50
94683	0.1118	EA	50
94684-1	0.1451	EA	50
94684	0.1353	EA	50
94685	0.1699	EA	50
94686	0.1953	EA	25
94687	0.2204	EA	25
94688	0.2400	EA	25
94689-1	0.1562	EA	50
94689-3	0.1778	EA	50
94689-4	0.1923	EA	50
94689-5	0.2067	EA	50
94689-7	0.2462	EA	50
94689-9	0.3059	EA	50
94689	0.2840	EA	25
94690	0.1786	EA	25
94691-1	0.2245	EA	25
94691	0.2075	EA	25
94692	0.2413	EA	25
94693	0.2875	EA	25
94694	0.3231	EA	25
94695	0.3573	EA	25
94696	0.4316	EA	25
94697-1	0.5020	EA	25
94697	0.4705	EA	25
94698-1	0.6352	EA	25
94698	0.5281	EA	25
94699-1	0.9553	EA	25
94699	0.8190	EA	25
947239	0.3280	EA	25
9474	45.5213	EA	1
9475	152.3847	EA	1
948	0.6219	EA	50
9481	0.5248	EA	25
949	0.2979	EA	25
9500-006	0.5640	EA	25
9500-007	0.7214	EA	25
9500-008	0.8974	EA	25
9500-009	0.7404	EA	25
9500-010	0.7420	EA	25
9500-011	0.7420	EA	25
9500-012	0.7526	EA	25
9500-013	0.7526	EA	25
9500-014	0.8162	EA	25
9500-015	0.8480	EA	25
9500-016	0.8586	EA	25
9500-017	0.8798	EA	25
9500-018	0.9010	EA	25
9500-019	0.9222	EA	25
9500-020	0.9646	EA	25
9500-022	1.0282	EA	25
9500-024	1.1660	EA	25
9500-026	1.3780	EA	25
9500-028	1.4840	EA	25
9500-030	1.8560	EA	25
9500-031	1.8745	EA	10
9500-032	1.8934	EA	10
9500-033	1.9123	EA	10
9500-110	0.8162	EA	25
9500-111	0.8268	EA	25
9500-112	0.8268	EA	25
9500-113	0.8480	EA	25
9500-114	0.8586	EA	25
9500-115	0.8586	EA	25
9500-116	0.8904	EA	25
9500-117	0.9010	EA	25
9500-118	0.9010	EA	25
9500-119	0.9540	EA	25
9500-120	1.0282	EA	25
9500-121	1.0706	EA	25
9500-122	1.0812	EA	25
9500-123	1.1872	EA	25
9500-124	1.2614	EA	25
9500-125	1.2826	EA	25
9500-126	1.4098	EA	25
9500-127	1.4098	EA	25
9500-128	1.4204	EA	10
9500-129	1.5052	EA	10
9500-130	1.6112	EA	10
9500-131	1.6430	EA	10
9500-132	1.7490	EA	10
9500-133	1.8974	EA	10
9500-134	1.9504	EA	10
9500-135	1.9822	EA	10
9500-136	2.0140	EA	10
9500-137	2.0352	EA	10
9500-138	2.0458	EA	10
9500-139	2.0776	EA	10
9500-140	2.0882	EA	10
9500-141	2.0988	EA	10
9500-142	2.1094	EA	10
9500-143	2.1200	EA	10
9500-144	2.1200	EA	10
9500-204	1.0705	EA	25
9500-205	1.0811	EA	25
9500-206	1.0921	EA	25
9500-207	1.1031	EA	25
9500-208	1.1141	EA	25
9500-209	1.1255	EA	25
9500-210	0.9010	EA	25
9500-211	0.9222	EA	25
9500-212	0.9328	EA	25
9500-213	0.9328	EA	25
9500-214	0.9858	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
9500-215	0.9964	EA	25
9500-216	1.0176	EA	25
9500-217	1.0812	EA	25
9500-218	1.0918	EA	25
9500-219	1.1130	EA	25
9500-220	1.1660	EA	25
9500-221	1.2296	EA	25
9500-222	1.2614	EA	10
9500-223	1.3250	EA	10
9500-224	1.3462	EA	10
9500-225	1.4310	EA	10
9500-226	1.5158	EA	10
9500-227	1.8985	EA	10
9500-228	1.9081	EA	10
9500-229	1.9178	EA	10
9500-230	1.9274	EA	5
9500-231	1.9370	EA	5
9500-232	1.9466	EA	5
9500-233	1.9562	EA	5
9500-234	1.9659	EA	5
9500-235	1.9758	EA	5
9501	8.3634	EA	10
9502	8.3634	EA	10
9503	8.3952	EA	10
9504	8.5754	EA	10
9505	8.6178	EA	10
9506	9.8005	EA	10
9507	8.8298	EA	10
9508	10.0700	EA	10
9510	10.5286	EA	10
9511	10.5835	EA	10
9512	10.7717	EA	10
9513	11.2034	EA	10
9514	11.3382	EA	10
95500	0.0866	EA	50
95501	0.0934	EA	50
95502	0.1007	EA	50
95503	0.1142	EA	50
95510	0.1142	EA	50
95511	0.1523	EA	50
95512	0.1794	EA	50
95513	0.1992	EA	50
95514	0.2086	EA	50
95515	0.2514	EA	50
95520	0.1559	EA	50
95521	0.1940	EA	50
95522	0.2279	EA	50
95523	0.2524	EA	50
95530	0.1369	EA	50
95531	0.1447	EA	50
95532	0.1576	EA	50
95533	0.1794	EA	50
95540	0.1771	EA	50
95541	0.1955	EA	50
95542	0.2210	EA	50
95543	0.2624	EA	50
95544	0.3346	EA	50
95550	0.2168	EA	50
95551	0.2809	EA	50
95552	0.3026	EA	50
95553	0.3469	EA	50
95554	0.3832	EA	50
95560	0.3585	EA	50
95561	0.3961	EA	50
95562	0.4468	EA	50
95563	0.5101	EA	50
95564	0.4957	EA	50
95565	0.5758	EA	50
95566	0.6784	EA	50
95567	0.7632	EA	50
95570	0.1771	EA	50
95571	0.1837	EA	50
95572	0.1955	EA	50
95573	0.2221	EA	50
95574	0.2624	EA	50
95575	0.2716	EA	50
95580	0.2168	EA	50
95581	0.2809	EA	50
95582	0.3026	EA	50
95583	0.3469	EA	50
95584	0.3832	EA	50
95590	0.3699	EA	50
95591	0.3961	EA	50
95592	0.4468	EA	50
95593	0.5101	EA	50
95594	0.4185	EA	50
95595	0.4957	EA	50
95596	0.5758	EA	50
95597	0.6784	EA	50
95598	0.7632	EA	50
95599	0.8301	EA	50
9562	14.5278	EA	5
957361	0.1039	EA	50
957381	0.7779	EA	10
957496	6.6930	EA	1
96	6.1920	EA	5
960	0.2086	EA	50
9601	0.1752	EA	25
9602	0.1855	EA	25
9603	0.1923	EA	25
9604	0.2026	EA	25
9605	0.2164	EA	25
9606	0.2267	EA	25
961	0.1239	EA	50
9614	1.1780	EA	10
9615	0.8414	EA	10
9616	0.7038	EA	10
962	0.0445	EA	50
9621	109.9407	RL	1
9622	114.5342	RL	1
9623	165.0628	RL	1
9624	165.0628	RL	1
9629-D1	22.0291	EA	1
963	0.1565	EA	50
9630	7.3496	EA	2
9635	32.9535	EA	1
9636	36.1873	EA	1
9637	39.9393	EA	1
9638	36.2976	EA	1
9639	42.0670	EA	1
964	0.1716	EA	50
965	0.1975	EA	50
9651-24	2.4885	EA	24
966	0.2167	EA	50
9674	0.2085	EA	50
967511	0.3370	EA	25
9676	0.1213	EA	50
96780	0.0063	EA	100
96781	0.0086	EA	100
96782	0.0130	EA	100
96783	0.0274	EA	50
96784	0.0324	EA	50
96785	0.0431	EA	50
96786	0.0616	EA	50
96787	0.1279	EA	25
96788	0.2257	EA	25
96789	0.3027	EA	25
96790	1.4909	EA	10
96791	2.2308	EA	10
96792	3.2366	EA	10
96795	0.0086	EA	100
96796	0.0127	EA	100
96797	0.0214	EA	100
96798	0.0277	EA	50
96799	0.0493	EA	50
96800	0.0573	EA	50
96801	0.0741	EA	50
96802	0.1297	EA	25
96803	0.1541	EA	25
96804	0.2667	EA	25
96805-13/4	1.4258	EA	1
96805-13/8	0.5541	EA	1
9681	0.2740	EA	50
9682	0.0976	EA	50
9683	0.1928	EA	50
9684	0.2122	EA	50
9686	0.2914	EA	25
9687	0.5845	EA	25
9688	0.3291	EA	25
9689	0.8778	EA	10
9690	0.3669	EA	10
9697	0.6240	EA	25
97	6.2320	EA	5
9700-1X	20.3096	EA	1
97000	0.0252	EA	100
97001	0.0241	EA	100
97002	0.0272	EA	100
97003	0.0263	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
97004	0.0262	EA	100
97005	0.0356	EA	100
97006	0.0454	EA	100
97007	0.0522	EA	100
97008	0.0595	EA	100
97009	0.0631	EA	100
9701-X	25.0796	EA	1
97010	0.0664	EA	100
97011	0.0954	EA	100
97012	0.0961	EA	100
97013	0.1062	EA	100
97014	0.1058	EA	100
97016	0.1328	EA	50
97018	0.2731	EA	50
9702-X	28.3600	EA	1
97020	0.2990	EA	50
97025	0.0335	EA	100
97027	0.0358	EA	100
97028	0.0394	EA	100
97029	0.0368	EA	100
9703-X	31.7682	EA	1
97030	0.0558	EA	100
97031	0.0549	EA	100
97032	0.0748	EA	100
97033	0.0830	EA	100
97034	0.0914	EA	100
97035	0.0992	EA	100
97036	0.1091	EA	100
97037	0.1175	EA	100
97038	0.1503	EA	100
97039	0.1554	EA	100
9704-X	33.2204	EA	1
97040	0.1532	EA	100
97042	0.3431	EA	50
97043	0.3455	EA	50
97044	0.3647	EA	50
9705-X	53.2014	EA	1
97052	0.0447	EA	100
97053-B	0.0507	EA	1600
97053	0.0571	EA	100
97054	0.0526	EA	100
97055	0.0582	EA	100
97056	0.0655	EA	100
97057	0.0934	EA	100
97058	0.0969	EA	50
97059	0.1297	EA	50
97060	0.1189	EA	50
97061	0.1509	EA	50
97062	0.1503	EA	50
97063	0.1810	EA	50
97064	0.1923	EA	50
97066	0.2278	EA	25
97067	0.3554	EA	25
97068	0.3809	EA	25
97069	0.3893	EA	25
9707-X	55.9578	EA	1
97070	0.3660	EA	25
97071	0.4458	EA	25
97072	0.4686	EA	25
97077	0.0932	EA	100
97079	0.0896	EA	100
97080	0.1003	EA	100
97081	0.1151	EA	100
97082	0.1255	EA	100
97083	0.1547	EA	50
97084	0.1689	EA	50
97085	0.1826	EA	50
97087	0.2129	EA	25
97089	0.2428	EA	25
97091	0.2744	EA	25
97093	0.4725	EA	25
97095	0.5611	EA	25
97102	0.1275	EA	50
97104	0.1091	EA	50
97105	0.1377	EA	50
97106	0.1312	EA	50
97107	0.1622	EA	50
97108	0.1802	EA	50
97109	0.2213	EA	25
97110	0.2364	EA	25
97111	0.2463	EA	25
97112	0.2747	EA	25
97113	0.2536	EA	25
97114	0.3373	EA	25
97116	0.3621	EA	25
97117	0.5166	EA	25
97118	0.5790	EA	25
97119	0.6133	EA	25
97120	0.6392	EA	25
97121	0.6965	EA	25
97122	0.7054	EA	25
97124	0.7760	EA	10
97126	1.4774	EA	10
97128-1	1.4105	EA	10
97128	1.4703	EA	10
97130	0.1850	EA	25
97131	0.2021	EA	25
97133	0.2523	EA	25
97135	0.3161	EA	10
97137	0.3623	EA	10
97139	0.4134	EA	10
97144	0.8189	EA	10
97145	0.2070	EA	25
97146	0.1977	EA	25
97147	0.2508	EA	25
97148	0.2771	EA	25
97149	0.2607	EA	25
97150	0.3400	EA	25
97151	0.3541	EA	25
97152	0.4139	EA	25
97153	0.4347	EA	25
97154	0.4643	EA	25
97155	0.4288	EA	25
97156	0.5243	EA	25
97157-1	1.4968	EA	25
97157	0.5462	EA	25
97158	0.7262	EA	25
97159	0.7769	EA	25
97160	0.8410	EA	25
97161	0.8798	EA	25
97162	1.1162	EA	10
97163-1	1.3596	EA	10
97163	1.2983	EA	10
97164	1.7766	EA	10
97165	1.9147	EA	10
97166	4.6258	EA	10
97167	2.4725	EA	10
97168	4.0913	EA	10
97169-1	0.4701	EA	25
97169	0.4785	EA	25
97170	0.4570	EA	25
97171	0.4765	EA	25
97172	0.5113	EA	25
97173	0.4787	EA	25
97174	0.5781	EA	25
97175	0.6246	EA	25
97176	0.6485	EA	25
97177	0.7448	EA	25
97178	0.7802	EA	25
97179	0.8154	EA	25
97180	0.8501	EA	25
97181	0.9216	EA	25
97182	0.8913	EA	25
97183	0.9861	EA	25
97184	1.2028	EA	25
97185	1.4887	EA	25
97186	1.7182	EA	10
97187	1.9548	EA	10
97188	1.9703	EA	10
97190	2.3259	EA	10
97191	2.3456	EA	10
97193-1	0.8539	EA	25
97193	0.7616	EA	25
97194	0.6936	EA	25
97195	0.7585	EA	25
97196	0.8089	EA	25
97197	0.8928	EA	25
97198	0.9008	EA	25
97199	1.0141	EA	25
97200-1	1.1865	EA	25
97200	1.0099	EA	25
97201	1.1680	EA	25
97202	1.2775	EA	25
97203	1.3787	EA	25
97204	1.5254	EA	25
97205	1.6095	EA	25
97206	2.1675	EA	10
97207	2.5158	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
97209	2.7139	EA	10
97211	3.1143	EA	10
97212	3.3624	EA	10
97213	0.9776	EA	25
97214-1	1.0695	EA	25
97214	1.0104	EA	25
97215	1.1336	EA	25
97216	1.1934	EA	25
97219	1.3271	EA	25
97221	1.4849	EA	15
97222	1.6863	EA	15
97223	1.7925	EA	10
97224	2.1520	EA	10
97225	2.1914	EA	10
97227	2.8545	EA	10
97228	3.3274	EA	10
97229	3.5550	EA	10
97231	3.8766	EA	10
97232	4.3062	EA	10
97233	4.5792	EA	10
97234-1	2.2080	EA	10
97234	3.7736	EA	10
97235	2.2668	EA	10
97236	3.9856	EA	10
97237	5.6816	EA	5
97238	2.9459	EA	10
97240	6.8900	EA	10
97242	4.7561	EA	5
97243	4.7912	EA	10
97245	2.8562	EA	10
97246	6.0950	EA	5
97247-1	7.4094	EA	5
97247	3.4760	EA	10
97248-1	9.4658	EA	5
97248	4.7444	EA	10
97249	5.0689	EA	5
97251	13.6634	EA	5
97255	7.3481	EA	2
97256	7.0702	EA	2
97257-1	7.9924	EA	1
97257	7.1232	EA	1
97258	8.9570	EA	1
97259	12.4126	EA	1
97260	15.1686	EA	1
97261	18.1260	EA	1
97262	24.6768	EA	1
9729-D1	22.0291	EA	1
97300	0.0252	EA	100
97301-B	0.0259	EA	4800
97301	0.0266	EA	100
97302	0.0297	EA	100
97303	0.0290	EA	100
97304	0.0312	EA	100
97305	0.0365	EA	100
97306	0.0471	EA	100
97325-1	0.0379	EA	100
97325-1B	0.0370	EA	2800
97325	0.0403	EA	100
97327	0.0407	EA	100
97328-B	0.0425	EA	2400
97328	0.0436	EA	100
97329	0.0500	EA	100
97330	0.0545	EA	100
97331	0.0653	EA	100
97333	0.0850	EA	100
9735	61.4588	RL	1
97352	0.0553	EA	100
97354	0.0646	EA	100
97355	0.0708	EA	100
97356	0.0801	EA	100
97357	0.0989	EA	100
97358	0.1060	EA	100
97360	0.1346	EA	50
97363	0.1819	EA	25
9737	83.1358	RL	1
97378-B	0.0961	EA	1200
97378	0.0985	EA	100
97379	0.0945	EA	100
97380-11/2	0.1591	EA	50
97380-B	0.0956	EA	950
97380	0.1069	EA	100
97381	0.1529	EA	50
97382	0.1602	EA	50
97402	0.1419	EA	50
97404	0.1341	EA	50
97405	0.1448	EA	50
97406	0.1651	EA	50
97407	0.1740	EA	100
97408	0.1875	EA	100
97410	0.2412	EA	50
97416	0.3681	EA	50
97437	0.3707	EA	25
97439	0.4475	EA	25
97447	0.2656	EA	25
97449	0.3163	EA	25
97451	0.3860	EA	25
97453	0.4601	EA	25
9747-1	0.7165	EA	25
9747	0.2172	EA	25
97480	1.5261	EA	10
97482	2.0685	EA	10
97490	1.3514	EA	10
975	0.2239	EA	50
97501	0.5403	EA	1
97502	0.8684	EA	1
97503	0.9365	EA	1
97505	1.1606	EA	1
97507	1.0725	EA	1
97509	1.3007	EA	1
97511	1.1806	EA	1
9752-12	3.3847	EA	12
97520-1	0.9725	EA	1
97520	0.9245	EA	1
97521-1	1.0325	EA	1
97521	1.0045	EA	1
97522	1.0605	EA	1
97523	1.1046	EA	1
97525	1.4367	EA	1
97526	1.2967	EA	1
97530-1	0.6683	EA	1
97531	0.6563	EA	1
97532	1.2126	EA	1
97533-1	1.2446	EA	1
97534	1.3887	EA	1
9754	0.1959	EA	50
97543	0.8124	EA	1
97544	0.9645	EA	1
97545-1	1.5208	EA	1
97546-1	1.6368	EA	1
97546	1.5648	EA	1
97548	1.7609	EA	1
97549	2.2932	EA	1
97558	0.7724	EA	1
97559	0.9965	EA	1
9756-06	6.6983	EA	6
9756	19.8631	RL	1
97560	2.1411	EA	1
97563	2.8454	EA	1
97565	1.1486	EA	1
97566	1.6248	EA	1
97568	2.3092	EA	1
97569-1	2.6253	EA	1
9757-1	30.3796	RL	1
9757	23.2458	RL	1
97579-1	1.4327	EA	1
9758-1	66.8170	RL	1
9758	15.8894	EA	1
97580	1.4847	EA	1
97587	3.4577	EA	1
97591XL	4.7481	PR	1
97593-1	1.6048	EA	1
97593	10.8680	EA	1
9759N	17.3946	RL	1
976	0.1348	EA	50
97608	2.0971	EA	1
97609	2.3372	EA	1
9761	10.0372	EA	6
97617	4.7064	EA	1
9762	14.2965	EA	6
97624-1	2.7254	EA	1
97625	20.1248	EA	1
97630	6.3112	EA	1
97631	7.5478	EA	1
97633	17.0085	EA	1
97638-1	3.3217	EA	1
9764	11.0417	EA	6
97645	8.2081	EA	1
97647	9.1566	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
9765	15.1404	EA	6
97655	7.6518	EA	1
97668	0.5695	EA	1
9768	5.7208	KT	3
97684	1.0789	EA	1
9769	5.4881	KT	3
9770	5.7208	KT	3
97758	2.7594	EA	1
97760	3.4492	EA	1
977635	0.1095	EA	50
977638	0.5058	EA	15
9777-1	0.5126	EA	25
977717	0.5353	EA	15
977718	0.5353	EA	15
977719	0.5806	EA	15
9778-1	0.4227	EA	25
9778-2	0.9373	EA	25
9782	0.8978	EA	25
9784	0.7106	EA	25
9791	0.2524	EA	25
9792-1	0.4719	EA	25
9792-2	0.7926	EA	25
9792	0.2990	EA	25
9798-1	81.4796	RL	1
9798-2	66.7728	RL	1
9798-3	108.3744	RL	1
98	0.4661	EA	25
98001-1	1.3173	EA	1
98001	6.2525	EA	1
98002-1	1.4957	EA	1
98002	6.5805	EA	1
98003-1	1.5482	EA	1
98003	1.5692	EA	1
98004-1	1.8683	EA	1
98004	1.5692	EA	1
98005	1.8683	EA	1
98006	1.7109	EA	1
98008	1.8893	EA	1
9800XLD	6.0314	EA	12
9801-1X	26.1826	RL	1
98013	0.6770	EA	1
98015	1.1598	EA	1
98016	7.0274	EA	1
98017-1	1.6636	EA	1
98017	7.3759	EA	1
98018-1	1.7581	EA	1
98018	8.1262	EA	1
98019	8.5403	EA	1
9802-1X	33.5004	RL	1
98020-1	4.4398	EA	1
98020	2.2829	EA	1
98021	2.0992	EA	1
98023	2.3406	EA	1
98024-1	2.5243	EA	1
98025	2.5925	EA	1
98027	1.0549	EA	1
98028-1	10.0122	EA	1
98029	10.1762	EA	1
9803-1X	35.7224	RL	1
98030	10.4755	EA	1
98031	10.6723	EA	1
98032	2.0793	EA	1
98034	2.6030	EA	1
98039	0.8187	EA	1
98041	1.2805	EA	1
98042	1.4117	EA	1
98043-1	14.3131	EA	1
98044	14.5140	EA	1
98045	14.9568	EA	1
98046	15.2520	EA	1
98047-1	3.6369	EA	1
98047	15.7030	EA	1
98048	20.1732	EA	1
9805	20.0764	RL	1
98050	22.3856	EA	1
98051	21.0756	EA	1
98055	1.3855	EA	1
98057-1	1.8368	EA	1
98057	1.7318	EA	1
98058-1	3.6054	EA	1
98059	3.0806	EA	1
98060	3.3430	EA	1
98061-1	4.1039	EA	1
98072-1	3.2538	EA	1
98074	4.0515	EA	1
98075	4.1617	EA	1
98076	5.0696	EA	1
98077	4.7809	EA	1
98079	5.3897	EA	1
98081	6.0090	EA	1
98085-1	2.2619	EA	1
98086	2.3669	EA	1
9810	5.7770	EA	1
98100	3.2380	EA	1
98101	3.6106	EA	1
98104	5.2218	EA	1
98105	5.6311	EA	1
98117-1	4.2246	EA	1
98118-1	5.0748	EA	1
9811N	18.8374	EA	1
98120	7.6568	EA	1
98122	8.8219	EA	1
9812N	25.7203	EA	1
98132	5.9040	EA	1
98133	6.4970	EA	1
98135	10.0342	EA	1
98137	11.5613	EA	1
98138	13.8810	EA	1
9813N	33.9749	EA	1
98147	7.7408	EA	1
98149	9.2942	EA	1
9814N	13.0628	EA	1
98150	4.7109	EA	1
98151	1.6794	EA	1
98152	1.5639	EA	1
9815N	19.9477	EA	1
98161	0.5668	EA	1
98162-1	0.7085	EA	1
98162	0.6403	EA	1
98163	0.7925	EA	1
98165-1	1.9365	EA	1
98166	7.0274	EA	1
98168-1	2.2147	EA	1
98169	8.1262	EA	1
9816N	25.7812	EA	1
98174	2.5715	EA	1
98176	2.8497	EA	1
98179	1.5849	EA	1
9817N	17.8943	EA	1
9818	26.4909	EA	1
98180	2.0520	EA	1
98192-1	1.3435	EA	1
98195	14.5140	EA	1
98196	14.9568	EA	1
9819N	31.9938	EA	1
98205	1.2805	EA	1
98206-1	1.4537	EA	1
98207-1	1.6636	EA	1
98207	1.5744	EA	1
98208-1	1.9260	EA	1
98208	1.8211	EA	1
98211	3.7103	EA	1
98212	4.4870	EA	1
98220	1.7161	EA	1
98221	1.8001	EA	1
98223-1	2.6922	EA	1
98224	2.9651	EA	1
98226	4.5763	EA	1
98230-1	6.9011	EA	1
98238	2.6817	EA	1
9824	0.3309	EA	25
98249-1	7.0953	EA	1
98249	5.2952	EA	1
9825	34.0048	RL	1
98263-1	5.0748	EA	1
98263	4.8492	EA	1
9831	0.1942	EA	25
9832	0.4987	EA	25
984357	0.1576	EA	100
984358	0.1706	EA	100
984359	0.1828	EA	100
984360	0.9151	EA	1
984361	1.3788	EA	1
984362	1.7096	EA	1
984363	2.1921	EA	1
984364	2.9488	EA	1
984365	6.4695	EA	1
984366	5.4900	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
984367	6.8184	EA	1
984368	10.7079	EA	1
984369	11.9225	EA	1
984370	22.0033	EA	1
985186	2.4513	EA	5
985188	3.9633	EA	5
985531	0.0106	EA	100
9864	0.2234	EA	100
9865	0.2850	EA	100
987045	16.4936	EA	1
987763	0.2259	EA	25
987775	0.1243	EA	50
987776	0.1415	EA	50
987784	0.3529	EA	25
987786	0.5466	EA	15
987805	0.1175	EA	50
987811	0.3348	EA	25
987817	0.7702	EA	25
987824	0.4445	EA	15
987837	0.5783	EA	10
987840	0.4717	EA	15
987846	0.1168	EA	50
987860	0.5148	EA	15
987873	0.3711	EA	25
987874	0.3869	EA	25
987877	0.4241	EA	15
987881	0.3688	EA	25
987905	0.6827	EA	10
987907	0.3075	EA	25
987909	0.1583	EA	50
987910	0.8392	EA	10
989	0.1904	EA	25
989025-1	0.0108	EA	100
989025-2	0.0085	EA	500
989025	0.0226	EA	****
989026-1	0.0121	EA	100
989026-2	0.0098	EA	500
989026	0.0267	EA	9000
989027-1	0.0141	EA	100
989027-2	0.0118	EA	500
989027	0.0324	EA	7000
989028-1	0.0154	EA	100
989028-2	0.0131	EA	500
989028	0.0357	EA	5000
989029-1	0.0170	EA	100
989029-2	0.0147	EA	500
989029	0.0402	EA	4000
989030-1	0.0220	EA	100
989030-2	0.0197	EA	500
989030	0.0550	EA	2500
989031-1	0.0256	EA	100
989031-2	0.0233	EA	500
989031	0.0652	EA	2000
989032-1	0.0210	EA	100
989032-2	0.0187	EA	500
989032	0.0521	EA	3000
99	0.5260	EA	25
990	0.1745	EA	25
99000	0.1161	EA	100
99002	0.1224	EA	100
99004	0.1356	EA	100
99005	0.1449	EA	100
99006	0.1554	EA	100
99007	0.1812	EA	100
99008	0.1965	EA	100
99010	0.2325	EA	100
99011	0.2658	EA	100
99012	0.3057	EA	100
99014	0.5088	EA	100
99016	0.6156	EA	50
99017	0.7641	EA	50
99018	1.2117	EA	50
99019	1.2648	EA	50
99027	0.1770	EA	100
99029	0.1962	EA	100
99030	0.2166	EA	100
99031	0.2400	EA	100
99033	0.2937	EA	100
99035	0.3300	EA	100
99037	0.4254	EA	100
99039	0.5376	EA	100
99040	0.6150	EA	50
99044	1.1013	EA	50
99045	1.2114	EA	50
99051-1	0.2211	EA	100
99051-1B	0.2211	EA	1900
99052	0.2421	EA	100
99053	0.2493	EA	100
99054	0.2616	EA	100
99055	0.2904	EA	100
99056	0.3393	EA	100
99057	0.3663	EA	100
99058	0.4128	EA	50
99060	0.4623	EA	50
99062	0.5346	EA	50
99064	0.6744	EA	50
99066	0.8895	EA	25
99067	1.1046	EA	25
99068	1.1673	EA	25
99077	0.2026	EA	50
99081-1	0.3945	EA	100
99081-2	0.4323	EA	100
99081-3	0.5232	EA	50
99081	0.4830	EA	100
99083	0.5481	EA	50
991	0.1836	EA	50
9910	10.9433	EA	5
99102	0.5070	EA	50
99104	0.5439	EA	50
99105	0.5766	EA	50
99106	0.6234	EA	50
99107	0.7086	EA	50
99108	0.7569	EA	50
99109	0.8034	EA	25
99110	0.8802	EA	25
99112	1.0866	EA	25
99114	1.1775	EA	25
99115	1.2615	EA	25
99116	1.3107	EA	25
99117	1.4484	EA	25
99118	1.5621	EA	25
99119	2.1348	EA	25
99120	2.2614	EA	25
9913	5.3212	EA	10
99133	1.1433	EA	25
99138	2.1618	EA	25
9914	5.3954	EA	10
99146	5.7219	EA	5
99147	1.0788	EA	25
99148	1.1658	EA	25
99149	1.3005	EA	25
9915	5.4166	EA	10
99150	1.3797	EA	25
99151	1.4697	EA	25
99153	1.6167	EA	25
99155	1.8270	EA	25
99157	2.0232	EA	25
99158	2.1762	EA	25
99159	2.3526	EA	25
9916	5.4272	EA	10
99160	2.5296	EA	25
99161	2.7738	EA	25
99162	4.0602	EA	10
99163	5.7240	EA	10
99164	5.9976	EA	10
99165	6.8688	EA	10
99169	1.7826	EA	25
9917	5.5014	EA	10
99170	1.8270	EA	25
99172	2.0946	EA	25
99174	2.3586	EA	25
99175	2.4765	EA	25
99176	2.6055	EA	25
99178	2.7921	EA	25
9918	5.5756	EA	10
99180	3.0528	EA	25
99181	3.3390	EA	25
99182	3.4662	EA	25
99183	3.7842	EA	25
99184	4.1022	EA	25
99185	6.2091	EA	10
99186	8.2680	EA	10
99187	8.4096	EA	10
99188	9.9852	EA	10
99189	9.6480	EA	5
9919	5.7240	EA	10
99196	3.2754	EA	25
99197	3.7206	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
99198	4.0386	EA	25
99199	4.2612	EA	25
9920	5.7982	EA	10
99200	4.5474	EA	25
99201	5.0880	EA	25
99202	5.4060	EA	25
99203	5.7240	EA	10
99204	6.0420	EA	10
99206	12.9744	EA	5
99208	14.4591	EA	5
9921	8.1442	EA	5
99211	15.9063	EA	5
99216	4.8018	EA	10
99217	5.3424	EA	10
99218	5.5014	EA	10
99219	5.8194	EA	10
99220	6.1374	EA	10
99221	6.5826	EA	10
99222	7.1868	EA	10
99223	7.6638	EA	10
99224	8.4906	EA	10
99225	9.0312	EA	10
99226	9.6480	EA	10
99227	23.6910	EA	10
99228	13.6146	EA	10
99229	24.6768	EA	10
99230	14.8632	EA	10
99231-1	16.7532	EA	10
99231	31.2594	EA	10
99232	32.6268	EA	10
99236	11.2908	EA	10
99238	14.4723	EA	5
99239	12.3693	EA	2
9924	7.8416	EA	5
99240	16.2906	EA	2
99241	17.4135	EA	2
99242	18.3762	EA	2
99243	23.7546	EA	1
99244-1	27.5256	EA	1
99244-2	9.2868	EA	10
99244	21.5115	EA	2
99245-1	11.4735	EA	5
99245-2	12.2586	EA	5
99246	13.2582	EA	5
99247	15.3189	EA	2
99248	18.6120	EA	2
99249	19.2618	EA	2
9925	8.2719	EA	5
99250	20.4987	EA	2
99251	22.0011	EA	2
99252	21.8793	EA	2
99254	27.1596	EA	2
99255	28.1484	EA	2
99256	29.7435	EA	1
99260	25.0266	EA	2
99261	25.0266	EA	2
99262	30.9414	EA	1
99263	28.2066	EA	1
99264	31.4502	EA	1
99265	42.1986	EA	1
99266	42.1986	EA	1
99267	49.3659	EA	1
99268	53.2968	EA	1
99269	63.6318	EA	1
99270	75.3024	EA	1
99271	86.5914	EA	1
9928-1	59.5958	EA	1
9929	165.0628	RL	1
993	0.1572	EA	50
9930N	183.3376	RL	1
9931N	235.7016	RL	1
9932-13/8	69.5178	EA	1
9932-15/8	109.7570	EA	1
9932	371.7632	RL	1
9933	252.3395	RL	1
9934N	64.8876	EA	1
9935-1	78.3870	EA	1
9935	64.2466	EA	1
9936-21/8	84.7788	EA	1
9936-25/8	111.9619	EA	1
9936	81.4080	EA	1
9937	87.8104	EA	1
9938	96.0254	EA	1
9939	102.7564	EA	1
994	0.3126	EA	50
9940	111.3954	EA	1
9941	29.6694	RL	1
9942	36.9304	RL	1
9943	59.6674	RL	1
9944	86.0932	RL	1
9945	116.3716	RL	1
9948	5.8400	EA	2
99485	0.2616	EA	100
99486	0.2904	EA	100
99487	0.3393	EA	100
99488-B	0.3903	EA	800
99488	0.4128	EA	50
99489-B	0.6711	EA	325
99489	0.7326	EA	25
99495	0.5766	EA	50
99496	0.6234	EA	50
99498	0.7569	EA	50
99499	0.8802	EA	25
9950-1	0.3882	EA	10
9950	0.3725	EA	10
99500	1.0872	EA	25
99501	1.8324	EA	25
99502	2.1357	EA	25
99503	2.3814	EA	10
99504	5.3106	EA	10
99505	4.1982	EA	10
99506	4.6701	EA	10
9951	0.4349	EA	10
99510	2.4765	EA	25
99511	3.7842	EA	25
99512	7.3611	EA	10
99513	7.7766	EA	10
99514	8.8488	EA	5
99515	9.2013	EA	5
99516	9.9888	EA	5
9952	0.3725	EA	10
99520	5.0880	EA	25
99521	5.7240	EA	10
99522	9.3171	EA	10
99523	9.5721	EA	5
99524	10.8369	EA	5
99525	12.2481	EA	5
99526	5.3424	EA	10
99527	5.3457	EA	10
99528	8.4906	EA	10
99529	12.4890	EA	10
9953	0.4362	EA	10
99531-1	10.6131	EA	10
99531	16.1454	EA	10
99532	17.0445	EA	5
9954	0.4362	EA	10
9956	0.3393	EA	10
9957	0.4122	EA	10
996	0.2278	EA	25
9960	0.3707	EA	10
9969	58.9784	EA	1
9970	0.2816	EA	50
9971	0.2993	EA	50
9972	0.3778	EA	50
99720	0.0468	EA	100
99721	0.0850	EA	100
99722	0.0050	EA	100
99723	0.1546	EA	50
99724	0.2326	EA	50
99725	0.3176	EA	25
99726	0.4062	EA	25
99727	0.5356	EA	25
99728	0.8200	EA	10
99729	1.2676	EA	10
9973	0.3827	EA	50
99730	1.2168	EA	10
99731	1.3472	EA	10
9974	0.3878	EA	50
99740	0.0422	EA	200
99741	0.0623	EA	200
99742	0.0908	EA	200
99743	0.1162	EA	100
99744	0.1543	EA	100
99745	0.2679	EA	50
99746	0.2707	EA	50
99747	0.4630	EA	50
99748	0.5621	EA	20
99749	0.7121	EA	20

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
9975	0.3965	EA	50
99750	0.7314	EA	10
99751	0.9646	EA	10
99752	1.3780	EA	10
99755	0.1621	EA	100
9976	0.4019	EA	50
99760	0.0422	EA	200
99761	0.0623	EA	200
99762	0.0883	EA	200
99763	0.1129	EA	100
99764	0.1543	EA	100
99765	0.2626	EA	50
99766	0.2629	EA	50
99767	0.4767	EA	50
99768	0.5512	EA	20
99769	0.7102	EA	20
9977-1	0.3644	EA	50
9977-10	0.4739	EA	25
9977-11	0.4946	EA	25
9977-12	0.4576	EA	25
9977-13	0.5392	EA	25
9977-14	0.5564	EA	25
9977-15	0.5770	EA	25
9977-16	0.5907	EA	25
9977-2	0.3787	EA	50
9977-3	0.3930	EA	50
9977-4	0.3572	EA	50
9977-5	0.4012	EA	50
9977-5X	0.4126	EA	50
9977-6	0.4198	EA	50
9977-6X	0.4162	EA	50
9977-7	0.5126	EA	50
9977-7X	0.4208	EA	50
9977-8	0.4951	EA	25
9977-8X	0.5035	EA	25
9977-9	0.4362	EA	25
9977-9X	0.5220	EA	25
9977-X	0.3484	EA	50
9977	0.4070	EA	50
99770	0.7314	EA	10
99771	0.1385	EA	10
99772	2.0426	EA	10
9978-1	0.4376	EA	50
9978-2	0.4394	EA	50
9978	0.3699	EA	50
99780	0.1398	EA	100
99781	0.1989	EA	100
99782	0.3024	EA	100
99783	0.3840	EA	50
99784	0.5757	EA	50
99785	0.8223	EA	50
99786	1.2195	EA	50
99787	1.8336	EA	25
99788	3.0528	EA	25
99789	5.4060	EA	10
9979	0.3747	EA	50
99790	10.8120	EA	10
99791	15.1050	EA	10
997911	0.6623	EA	10
99792	27.8568	EA	10
99793-2	1.2276	EA	10
997935	0.3348	EA	25
997937	0.3100	EA	25
99797	0.3024	EA	100
997984	0.5511	EA	15
99799	0.5760	EA	50
997990	6.7527	EA	1
998	1.0320	EA	10
9980	0.3796	EA	50
99801	1.2195	EA	50
99802	1.8444	EA	25
998024	0.4241	EA	15
998029	0.2849	EA	25
99803	4.8336	EA	25
998030	0.4672	EA	15
99804	5.4060	EA	10
998042	19.0482	EA	1
998043	16.0696	EA	1
998061	0.7031	EA	10
998064	0.6863	EA	25
998066	0.7575	EA	10
998074	7.6532	EA	1
998082	4.9600	EA	2
998083	6.3643	EA	1
998084	6.9021	EA	1
998085	7.4997	EA	1
998086	8.1272	EA	1
998087	10.4577	EA	1
998088	11.2645	EA	1
998090	6.7098	EA	1
998093	0.2100	EA	25
998094	0.2100	EA	25
998097	0.5897	EA	15
9981-1	0.3716	EA	50
9981	0.3848	EA	50
998101	0.6237	EA	15
998103	0.7689	EA	10
998106	10.7802	EA	1
998109	0.1923	EA	50
998113	12.8366	EA	1
998114	0.0889	EA	100
998118	0.5806	EA	15
998119	0.6169	EA	15
998122	5.4205	EA	1
998127	6.4130	EA	1
998128	6.9320	EA	1
998129	5.7667	EA	2
998130	5.3783	EA	2
998131	5.4082	EA	2
998135	8.0375	EA	1
998136	0.1601	EA	50
998143	4.6902	EA	1
998144	4.2865	EA	1
998158	4.9898	EA	2
9982	0.3896	EA	50
998204	11.0028	EA	1
998207	0.7530	EA	10
998211	8.6052	EA	1
998212	7.4399	EA	1
998216	0.3212	EA	25
998224	0.2871	EA	25
998227	6.5190	EA	1
998228	24.6803	EA	1
998229	8.6638	EA	1
998244	0.4731	EA	25
998253	6.7586	EA	1
998261	4.2752	EA	1
998263	0.4128	EA	15
998264	0.9798	EA	10
998265	1.1000	EA	10
998278	5.5112	EA	1
998286	1.6806	EA	5
998287	1.1249	EA	10
998291	2.9879	EA	2
998292	2.9879	EA	2
998293	2.9879	EA	2
998294	2.9879	EA	2
998295	2.9879	EA	2
998296	2.9879	EA	2
998297	2.9879	EA	2
998298	2.9879	EA	2
998299	2.9879	EA	2
9983-1	0.3853	EA	50
9983	0.3947	EA	50
998308	0.0717	EA	100
998309	4.2638	EA	1
998311	26.5926	EA	1
998312	7.7985	EA	1
998316	0.3892	EA	25
998317	8.0038	EA	1
998320	0.2214	EA	25
998322	0.3212	EA	25
998333	17.0327	EA	1
998334	4.6948	EA	1
998335	0.1152	EA	50
998336	5.8514	EA	1
998337	7.5978	EA	1
998352	5.6927	EA	1
998361	0.3212	EA	25
998365	0.7371	EA	15
998381	8.0060	EA	1
998396	8.0287	EA	1
9984-10	0.6764	EA	25
9984-11	0.6845	EA	25
9984-12	0.6994	EA	25
9984-13	0.7492	EA	25
9984-14	0.7727	EA	25
9984-15	0.7948	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
9984-16	0.8058	EA	25
9984-17	0.8374	EA	25
9984-18	0.8580	EA	25
9984-19	0.9603	EA	25
9984-20	0.9644	EA	25
9984-21	1.0014	EA	25
9984-22	1.1044	EA	25
9984-23	1.3772	EA	25
9984-24	1.4164	EA	25
9984-25	1.4171	EA	25
9984-26	1.4186	EA	25
9984-27	1.4205	EA	25
9984-28	0.3479	EA	25
9984-5	0.5789	EA	25
9984-6	0.6588	EA	25
9984-7	0.6602	EA	25
9984-8	0.6748	EA	25
9984-9	0.6805	EA	25
9984	0.3999	EA	50
998417	7.3256	EA	1
998418	7.3256	EA	1
998419	6.8494	EA	1
998427	5.8514	EA	1
998429	6.7586	EA	1
998451	6.4575	EA	1
998452	5.1030	EA	1
998454	12.9730	EA	1
9985-1	0.4012	EA	50
9985-2	0.4089	EA	50
9985	0.4060	EA	25
9986	0.4115	EA	25
9987-1	0.4238	EA	25
9987	0.4194	EA	25
9988-1	0.4272	EA	25
9988-2	0.4326	EA	25
9988-3	0.4908	EA	25
9988-4	0.5095	EA	25
9988-5	0.5091	EA	25
9988-6	0.5084	EA	25
9988-7	0.5075	EA	25
9988	0.4347	EA	25
9989	0.4383	EA	25
999	0.8616	EA	25
9990	0.4463	EA	25
9991-1	0.5254	EA	25
9991-2	0.5009	EA	25
9991-3	0.5049	EA	25
9991-4	0.5235	EA	25
9991-5	0.5971	EA	25
9991-6	0.6791	EA	25
9991-7	0.7185	EA	25
9991-8	0.8266	EA	25
9991-9	0.8264	EA	25
9991	0.6297	EA	25
9992	0.8344	EA	25
9993-1	1.0550	EA	25
9993-10	1.0887	EA	25
9993-11	0.8995	EA	25
9993-12	1.1127	EA	25
9993-13	1.1237	EA	25
9993-14	1.1292	EA	25
9993-15	1.1347	EA	25
9993-16	1.1464	EA	25
9993-17	1.1522	EA	25
9993-18	1.1581	EA	25
9993-19	1.1639	EA	10
9993-2	0.8673	EA	25
9993-20	1.1698	EA	10
9993-21	1.1756	EA	10
9993-22	1.1814	EA	10
9993-23	1.1873	EA	10
9993-24	1.1931	EA	10
9993-25	1.1989	EA	10
9993-26	1.0757	EA	25
9993-3	0.4788	EA	25
9993-4	0.5265	EA	25
9993-5	0.5790	EA	25
9993-6	0.6371	EA	25
9993-7	0.7010	EA	25
9993-8	0.7710	EA	25
9993-9	0.8834	EA	25
9993	0.8509	EA	25
9994-1	1.0494	EA	25
9994-10	1.2296	EA	10
9994-11	1.2296	EA	10
9994-2	1.0812	EA	25
9994-3	1.0918	EA	10
9994-3X	1.0918	EA	10
9994-4	1.1130	EA	10
9994-4X	1.1130	EA	10
9994-5	1.1130	EA	10
9994-5X	1.4871	EA	10
9994-6	1.2470	EA	10
9994-6X	1.4910	EA	10
9994-7	1.4459	EA	10
9994-9	1.3992	EA	10
9994-X	1.1024	EA	10
9994	1.0784	EA	25
9995-1	0.4547	EA	25
9995-2	0.4592	EA	25
9995-3	0.4640	EA	25
9995-4	0.4688	EA	25
9995-5	0.4736	EA	25
9995-7	1.2402	EA	10
9995	0.4502	EA	25
9997	18.0306	EA	1
9998	30.0550	EA	1
9999	3.9834	EA	1
A001	113.7945	EA	1
A10031	263.8091	CS	1
A73420-1	4.6274	EA	1
A73420	4.1891	EA	12
AA-2	0.3922	EA	10
AA-3	0.5512	EA	10
AA803AG2	4890.5120	EA	1
AB100A	93.9881	EA	1
AB101A	126.2577	EA	1
AB101A1	145.1431	EA	1
AB101AX	132.5323	EA	1
AB101AXXL	138.8070	EA	1
AB101AXXXL	138.8317	EA	1
AB104A13	204.5208	EA	1
AC202A01	278.7038	EA	1
AC215A	132.9342	EA	1
AC215A1	152.5927	EA	1
AD215AG	210.8273	EA	1
AD620AP	150.1108	EA	1
AE542AW2	92.5044	EA	1
AE542AW3	87.6825	EA	1
AE544AW1	145.9162	EA	1
AE552AW2	181.8950	EA	1
AE560A6	99.9227	EA	1
AF745A	179.2986	EA	1
AJ450A6	65.0567	EA	1
AK069A	28.3361	EA	1
ALL-0350	16.6961	EA	1
ALL-0355-01	11.4991	EA	1
ALL-0355	20.5842	EA	1
ALL-1001	21.2663	EA	1
ALL-1401	203.9483	EA	1
ALL-1550	118.8892	EA	1
ALL-2000	7.9946	EA	1
ALL-2050-01	48.4561	EA	1
ALL-2050	102.2550	EA	1
ALL-3001	21.3319	EA	1
ALL-7100	5.9534	EA	2
ALL-7102	19.3609	EA	2
ALL-7103	10.6972	EA	2
ALL-7115	67.9376	EA	1
ALL-7176	22.9804	EA	1
ALL-7212	22.0812	EA	1
ALL-9401-20	36.9676	EA	1
ALL-9401	44.4358	EA	1
AM-1	0.3710	EA	10
AM-3	0.3710	EA	10
AM-7	0.4707	EA	10
ANS1180010	7.0179	PR	12
ANS118008	7.0179	PR	12
ANS118009	7.0179	PR	12
ANS22410	2.3784	PR	12
ANS2247	2.3784	PR	12
ANS2248	2.3784	PR	12
ANS2249	2.3784	PR	12
ANS225159	7.2928	PR	1
ANS2319310	16.3770	PR	1
ANS321057	4.4946	PR	12
ANS321059	4.4946	PR	12
ANS401057	6.8280	PR	12

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
ANS401059	6.8280	PR	12
ANS4740010	6.4481	PR	12
ANS474008	6.4481	PR	12
ANS474009	6.4481	PR	12
ANS9250010	19.5891	BX	1
ANS925007	19.5891	BX	1
ANS925008	19.5891	BX	1
ANS925009	18.2638	BX	1
AO11400	3.5804	EA	1
AO11401	4.6107	EA	1
AO11411	9.6460	EA	1
AO11412	10.5364	EA	1
AO11434	14.4176	EA	1
AO11435	13.6015	EA	1
AO11436	13.6015	EA	1
AO11500	14.5444	EA	1
AO11501	14.5444	EA	1
AO11536	9.2432	EA	1
AO11538	12.6882	EA	1
AO12100	7.7016	EA	1
AO12101	8.7320	EA	1
AO12115	10.2502	EA	1
AO12122	8.2168	EA	1
AO12150	3.6040	EA	1
AO12159	3.6040	EA	1
AO12166	5.4166	EA	1
AO13250	9.9048	EA	1
AO13251	10.9077	EA	1
AO13252	12.5356	EA	1
AO13274	10.4062	EA	1
AO13277	11.4091	EA	1
AO13280	13.0370	EA	1
AO14347	7.2292	EA	1
AO14348	7.2292	EA	1
AO15150	13.8966	EA	1
AO15152	6.9547	EA	1
AO15153	6.9547	EA	1
AO15154	8.1620	EA	1
AO15155	8.1620	EA	1
AO15170	10.6896	EA	1
AO15172	11.0759	EA	1
AO15250	11.8487	EA	1
AO15902	3.6040	EA	1
AO15903	3.6040	EA	1
AO16615	13.2654	EA	1
AO16616	13.2654	EA	1
AO16617	13.2654	EA	1
AO16618	13.2654	EA	1
AO16656	16.1650	EA	1
AO3101009	56.5722	BX	1
AO3111115	138.9130	BX	1
AO3111126	75.9689	BX	1
AO3111250	89.8350	BX	1
AO3111252	89.8350	BX	1
AO3111254	62.9457	BX	1
AO3121250	30.3876	BX	1
AO3121252	30.3876	BX	1
AO3121256	30.3876	BX	1
AO3121260	97.5200	BX	1
AO3121261	35.8139	BX	1
AO3181002	60.3564	BX	1
AO3181003	110.6534	BX	1
AO3201000	7.1020	EA	1
AO3212200	70.5426	BX	1
AO3303002	25.1432	EA	1
AO3303028	73.7713	EA	1
AO3313108	2.1795	EA	6
AO3404004	202.8098	BX	1
AO3501001	11.2597	EA	1
AO3911000	51.0708	BX	1
AO3911001	117.9674	BX	1
AO3911002	101.6084	BX	1
AO3911004	88.5312	BX	1
AO40300	9.6566	EA	1
AO40301	11.0346	EA	1
AO40304	9.8262	EA	1
AO40305	11.7872	EA	1
AO41110	6.5932	EA	10
AOH10A	30.9626	EA	1
AOH6BV	15.7940	EA	1
AOH7A	28.4398	EA	1
AOH7P3E	15.7940	PR	1
AOP1000	30.1782	BX	1
AOP1001	30.6812	BX	1
AOP2000	47.7822	BX	1
AOP2001	80.4752	BX	1
AOP3000	118.1980	BX	1
AOP3001	118.1980	BX	1
AP-1	0.3710	EA	10
AP-2	0.3710	EA	10
AP-3	0.3710	EA	10
AP-4	0.3710	EA	10
AP-5	0.4657	EA	10
AP29-9800	6.0379	EA	5
AP30-9800	6.1288	EA	5
AP31-9800	6.8931	EA	5
AP33-9800	6.3909	EA	5
AP35-9800	6.9033	EA	5
AP36-9800	6.7269	EA	5
AP37-9800	6.9123	EA	5
AP38-9800	7.3970	EA	5
AP39-9800	7.1689	EA	5
AP40-9800	7.2743	EA	5
AP41-9800	7.3899	EA	5
AP42-9800	7.5667	EA	5
AP46-9800	8.8092	EA	5
AP47-9800	8.8878	EA	5
AP51-9800	8.3870	EA	5
AP55-9800	9.1288	EA	5
AR-1	0.3710	EA	10
AR-4	0.4982	EA	10
ATKRO1	190.3310	EA	1
AW99	102.9084	EA	1
B-1	0.3922	EA	10
B-10	0.7314	EA	10
B-101	0.5724	EA	10
B-102	0.3286	EA	10
B-11	0.3209	EA	10
B-110	3.9220	EA	10
B-2	0.5512	EA	10
B-24	0.7680	EA	10
B-4	0.2258	EA	10
B-44	0.2181	EA	10
B-45	0.2127	EA	10
B-46	0.2398	EA	10
B-47	0.2384	EA	10
B-48	0.2181	EA	10
B-49	0.2116	EA	10
B-5	0.3922	EA	10
B-50	0.2127	EA	10
B-51	0.2127	EA	10
B-52	0.4124	EA	10
B-53	0.3816	EA	10
B-55	0.5512	EA	10
B-56	0.5512	EA	10
B-57	0.9328	EA	10
B-58	0.4546	EA	10
B-59	0.4362	EA	10
B-61	0.5512	EA	10
B-62	0.2990	EA	10
B-63	0.2494	EA	10
B-64	1.0070	EA	10
B-65	0.5512	EA	10
B-67	0.2494	EA	10
B-68	1.0070	EA	10
B-69	0.5512	EA	10
B-70	0.2227	EA	10
B-71	0.2756	EA	10
B-72	0.5512	EA	10
B-73	0.4282	EA	10
B-74	0.3922	EA	10
B-75	0.2958	EA	10
B-77	0.2486	EA	10
B-78	1.0070	EA	10
B-79	0.2550	EA	10
B-80	0.3816	EA	10
B-83	0.2347	EA	10
B-84	0.3922	EA	10
B-85	0.2644	EA	10
B-86	0.3816	EA	10
B-87	0.4468	EA	10
B-88	0.3816	EA	10
B-89	0.3180	EA	10
B-90	0.3062	EA	10
B-91	0.2606	EA	10
B-92	0.2398	EA	10
B-93	0.8480	EA	10
B-96	0.3405	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
B23401-1.....	0.4333	EA	50
B23401-10.....	1.2724	EA	50
B23401-10X.....	1.2724	EA	50
B23401-2.....	0.5573	EA	50
B23401-2X.....	0.5718	EA	50
B23401-7.....	0.7774	EA	50
B23401-8.....	0.7373	EA	50
B23700.....	0.4333	EA	50
B23701.....	0.4333	EA	50
B23702.....	0.5573	EA	50
B23703.....	0.5573	EA	50
B23710.....	0.7774	EA	50
B6AZ-11450-A....	20.6710	EA	1
BB-1120-X.....	1.0808	EA	20
BB-1121-X.....	1.0425	EA	20
BB-1132-X.....	1.4526	EA	10
BB-1133-X.....	1.4526	EA	10
BB-1134-X.....	0.6752	EA	20
BB-1135-X.....	0.6752	EA	20
BB-1142-BX.....	0.5273	EA	50
BD1000-1.....	8.4678	EA	1
BD1000.....	8.2044	EA	6
BD1001-1.....	7.1449	EA	1
BD1001.....	7.1449	EA	6
BD1002-1.....	12.1264	EA	1
BD1002.....	9.7096	EA	6
BD1003-1.....	7.1643	EA	1
BD1003.....	7.1449	EA	6
BD1004-1.....	7.1742	EA	1
BD1004.....	7.1449	EA	6
BD1005-1.....	7.1596	EA	1
BD1005.....	7.1449	EA	6
BD1006-1.....	9.8493	EA	1
BD1006.....	9.7096	EA	6
BD1007-1.....	9.8493	EA	1
BD1007.....	9.7096	EA	6
BD1008-1.....	8.9363	EA	1
BD1008.....	8.7344	EA	6
BD1009-1.....	10.6382	EA	1
BD1009.....	10.5046	EA	6
BD1010-1.....	5.6843	EA	1
BD1010.....	6.5826	EA	6
BD1011-1.....	3.0695	EA	1
BD1011.....	3.0634	EA	6
BD1012-1.....	2.6671	EA	1
BD1012.....	2.6671	EA	6
BD1013-1.....	3.0723	EA	1
BD1013.....	3.0723	EA	6
BD1014-1.....	3.1060	EA	1
BD1014.....	3.1060	EA	6
BD1015-1.....	4.1133	EA	1
BD1015.....	4.7700	EA	6
BD1016-1.....	4.7334	EA	1
BD1016.....	4.6640	EA	6
BD1017-1.....	6.6172	EA	1
BD1017.....	6.6172	EA	6
BD1018-1.....	6.3388	EA	1
BD1018.....	3.3255	EA	12
BD1019-1.....	3.3592	EA	1
BD1019.....	3.4099	EA	12
BD1020-1.....	5.9357	EA	1
BD1020.....	4.3354	EA	12
BD1021-1.....	6.3471	EA	1
BD1021.....	5.4018	EA	6
BD1022-1.....	4.8953	EA	1
BD1022.....	5.4693	EA	6
BD1023.....	17.7762	EA	1
BD1024.....	38.7851	EA	1
BD1025-1.....	6.2752	EA	1
BD1025.....	2.7515	EA	12
BD1026-1.....	3.2411	EA	1
BD1026.....	3.2411	EA	12
BD1027-1.....	4.1409	EA	1
BD1027.....	3.4174	EA	12
BD1028-1.....	7.5962	EA	1
BD1028.....	7.5962	EA	6
BD1029.....	31.3157	EA	1
BD1030.....	56.9857	EA	1
BD1031-1.....	3.4774	EA	1
BD1031.....	3.4774	EA	6
BD1032-1.....	3.4132	EA	1
BD1032.....	3.4132	EA	6
BD1033-1.....	5.1434	EA	1
BD1033.....	5.9572	EA	6
BD1034-1.....	3.3968	EA	1
BD1034.....	3.0247	EA	6
BD1035-1.....	5.3680	EA	1
BD1035.....	5.3680	EA	6
BD1036.....	18.4546	EA	1
BD1037.....	60.2875	EA	1
BD1038-1.....	3.7137	EA	1
BD1038.....	3.7137	EA	6
BD1039-1.....	4.7644	EA	1
BD1039.....	5.5014	EA	6
BD1040-1.....	4.0927	EA	1
BD1040.....	4.8018	EA	6
BD1041-1.....	3.8240	EA	1
BD1041.....	4.4308	EA	6
BD1043-1.....	13.8966	EA	1
BD1043.....	10.4659	EA	6
BD1049-1.....	6.9279	EA	1
BD1049.....	6.9430	EA	6
BD1050-1.....	3.4099	EA	1
BD1050.....	3.4099	EA	6
BD1051-1.....	7.5997	EA	1
BD1051.....	7.9924	EA	6
BD1052-1.....	8.0889	EA	1
BD1052.....	7.8546	EA	6
BD1053-1.....	4.9815	EA	1
BD1053.....	5.7452	EA	6
BD1054-1.....	5.3156	EA	1
BD1054.....	6.1480	EA	6
BD1055-1.....	5.3680	EA	1
BD1055.....	4.5915	EA	6
BD1056.....	20.6796	EA	1
BD1057.....	46.1208	EA	1
BD1058-1.....	6.9968	EA	1
BD1058.....	8.0878	EA	6
BD1059-1.....	6.9210	EA	1
BD1059.....	6.5159	EA	6
BD1060.....	23.8924	EA	1
BD1061.....	67.0714	EA	1
BD1062-1.....	3.4774	EA	1
BD1062.....	3.4774	EA	6
BD1063-1.....	4.0176	EA	1
BD1063.....	4.0176	EA	6
BD1064-1.....	3.2411	EA	1
BD1064.....	3.2411	EA	6
BD1065-1.....	7.0588	EA	1
BD1065.....	8.1726	EA	6
BD1066-1.....	5.3116	EA	1
BD1066.....	5.3005	EA	6
BD1067-1.....	5.5981	EA	1
BD1067.....	6.4660	EA	6
BD1068-1.....	4.3200	EA	1
BD1068.....	5.0032	EA	6
BD1069-1.....	5.8358	EA	1
BD1069.....	6.7734	EA	6
BD1070-1.....	9.5737	EA	1
BD1070.....	11.0770	EA	6
BD1072-1.....	5.1275	EA	1
BD1072.....	5.1275	EA	6
BD1073-1.....	6.6394	EA	1
BD1073.....	6.6394	EA	6
BD1074-1.....	7.0920	EA	1
BD1074.....	8.2256	EA	6
BD1075-1.....	5.0444	EA	1
BD1075.....	5.0444	EA	6
BD1076-1.....	7.0920	EA	1
BD1076.....	8.2256	EA	6
BD1077-1.....	5.0932	EA	1
BD1077.....	5.1198	EA	6
BD1078-1.....	8.6032	EA	1
BD1078.....	9.9958	EA	6
BD1079-1.....	6.2712	EA	1
BD1079.....	7.2822	EA	6
BD1080-1.....	5.5637	EA	1
BD1080.....	5.5637	EA	6
BD1081-1.....	5.6565	EA	1
BD1081.....	5.0932	EA	6
BD1082-1.....	7.8476	EA	1
BD1082.....	9.1160	EA	6
BD1083-1.....	5.1585	EA	1
BD1083.....	4.8018	EA	6
BD1084-1.....	8.7268	EA	1
BD1084.....	8.7268	EA	6
BD1085-1.....	9.1008	EA	1
BD1085.....	9.1008	EA	6

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
BD1086-1.....	7.0920	EA	1
BD1086.....	8.2256	EA	6
BD1087-1.....	4.5577	EA	1
BD1087.....	4.5577	EA	6
BD1088-1.....	3.3761	EA	1
BD1088.....	3.9838	EA	6
BD1089-1.....	6.8757	EA	1
BD1089.....	6.4130	EA	6
BD1090-1.....	6.1098	EA	1
BD1090.....	7.0702	EA	6
BD1091-1.....	4.2655	EA	1
BD1091.....	4.5623	EA	6
BD1092-1.....	6.6765	EA	1
BD1092.....	5.7121	EA	6
BD1093-1.....	5.5053	EA	1
BD1093.....	6.4130	EA	6
BD1094-1.....	11.7951	EA	1
BD1094.....	11.7951	EA	6
BD1096-1.....	5.6668	EA	1
BD1096.....	6.5508	EA	6
BD1097-1.....	16.6500	EA	1
BD1097.....	10.7908	EA	6
BD1098-1.....	5.9278	EA	1
BD1098.....	6.8900	EA	6
BD1099-1.....	4.0059	EA	1
BD1099.....	4.0059	EA	6
BD1100-1.....	4.7848	EA	1
BD1100.....	4.7477	EA	6
BD1101-1.....	6.2685	EA	1
BD1101.....	5.1186	EA	6
BD1102.....	42.9171	EA	1
BD1103.....	40.1326	EA	1
BD1104-1.....	6.6023	EA	1
BD1104.....	6.6023	EA	6
BD1105.....	45.8701	EA	1
BD1106.....	45.2243	EA	1
BD1107-1.....	3.2902	EA	1
BD1107.....	2.9776	EA	6
BD1108-1.....	5.2670	EA	1
BD1108.....	5.2670	EA	6
BD1109-1.....	4.6021	EA	1
BD1109.....	4.1831	EA	6
BD1110-1.....	4.0045	EA	1
BD1110.....	4.6322	EA	6
BD1111-1.....	5.6379	EA	1
BD1111.....	5.6379	EA	6
BD1112.....	18.9952	EA	1
BD1113.....	57.3322	EA	1
BD1114-1.....	9.5202	EA	1
BD1114.....	11.0770	EA	6
BD1115-1.....	5.8420	EA	1
BD1115.....	5.8420	EA	6
BD1116-1.....	5.5637	EA	1
BD1116.....	5.6008	EA	6
BD1117-1.....	4.2655	EA	1
BD1117.....	4.2655	EA	6
BD1118-1.....	5.3412	EA	1
BD1118.....	5.0074	EA	6
BD1119-1.....	3.8353	EA	1
BD1119.....	3.7833	EA	6
BD1120-1.....	8.0331	EA	1
BD1120.....	9.3174	EA	6
BD1121-1.....	5.8234	EA	1
BD1121.....	5.8234	EA	6
BD1122.....	46.0670	EA	1
BD1124-1.....	6.6387	EA	1
BD1124.....	7.7168	EA	6
BD1125-1.....	6.4979	EA	1
BD1125.....	7.5366	EA	6
BD1126.....	82.3562	EA	1
BD1127-1.....	4.8961	EA	1
BD1127.....	4.8961	EA	6
BD1128-1.....	4.3514	EA	1
BD1128.....	5.0774	EA	6
BD1129-1.....	6.2314	EA	1
BD1129.....	6.2314	EA	6
BD1130.....	68.3170	EA	1
BD1131-1.....	5.7704	EA	1
BD1131.....	5.7770	EA	6
BD1132-1.....	6.4111	EA	1
BD1132.....	7.4094	EA	6
BD1133-1.....	7.9166	EA	1
BD1133.....	9.1690	EA	6
BD1135-1.....	5.0304	EA	1
BD1135.....	4.7265	EA	6
BD1136-1.....	7.2001	EA	1
BD1136.....	8.3528	EA	6
BD1137-1.....	8.0275	EA	1
BD1137.....	8.0275	EA	6
BD1138-1.....	5.8358	EA	1
BD1138.....	6.7840	EA	6
BD1139-1.....	10.1352	EA	1
BD1139.....	11.7130	EA	6
BD1140-1.....	4.3545	EA	1
BD1140.....	4.0492	EA	6
BD1141-1.....	7.2710	EA	1
BD1141.....	7.1449	EA	6
BD1142-1.....	5.8255	EA	1
BD1142.....	6.7416	EA	6
BD1143-1.....	6.6826	EA	1
BD1143.....	6.6826	EA	6
BD1144-1.....	4.7941	EA	1
BD1144.....	4.7941	EA	6
BD1145-1.....	6.7136	EA	1
BD1145.....	6.7136	EA	6
BD1146-1.....	5.0642	EA	1
BD1146.....	5.0642	EA	6
BD1147-1.....	16.7805	EA	1
BD1147.....	16.9728	EA	6
BD1148-1.....	4.4565	EA	1
BD1148.....	4.4565	EA	6
BD1149.....	18.7243	EA	1
BD1150.....	43.4938	EA	1
BD1151-1.....	6.7529	EA	1
BD1151.....	11.1618	EA	6
BD1153-1.....	4.3889	EA	1
BD1153.....	4.3889	EA	6
BD1154-1.....	6.1943	EA	1
BD1154.....	6.1943	EA	6
BD1155-1.....	6.9548	EA	1
BD1155.....	6.9548	EA	6
BD1156-1.....	5.7863	EA	1
BD1156.....	5.7863	EA	6
BD1157-1.....	6.3056	EA	1
BD1157.....	6.3056	EA	6
BD1158-1.....	5.6750	EA	1
BD1158.....	5.6750	EA	6
BD1200-1.....	6.7143	EA	1
BD1200.....	5.9758	EA	6
BD1201-1.....	6.7143	EA	1
BD1201.....	5.9758	EA	6
BD1202-1.....	6.7143	EA	1
BD1202.....	5.9758	EA	6
BD1203-1.....	6.5190	EA	1
BD1203.....	5.8019	EA	6
BD1204-1.....	6.7143	EA	1
BD1204.....	5.9758	EA	6
BD1205-1.....	6.7143	EA	1
BD1205.....	5.9758	EA	6
BD1206-1.....	6.7143	EA	1
BD1206.....	5.9758	EA	6
BD1207-1.....	6.7143	EA	1
BD1207.....	5.9758	EA	6
BD1208-1.....	6.7143	EA	1
BD1208.....	5.9758	EA	6
BD1209-1.....	6.7143	EA	1
BD1209.....	5.9758	EA	6
BD1210-1.....	6.7143	EA	1
BD1210.....	5.9758	EA	6
BD1211-1.....	6.7143	EA	1
BD1211.....	5.9758	EA	6
BD1212-1.....	6.7143	EA	1
BD1212.....	5.9758	EA	6
BD1213-1.....	6.9927	EA	1
BD1213.....	6.2235	EA	6
BD1214-1.....	6.9927	EA	1
BD1214.....	6.2235	EA	6
BD1215-1.....	7.3150	EA	1
BD1215.....	6.5103	EA	6
BD1216-1.....	8.1353	EA	1
BD1216.....	7.2404	EA	6
BD1217-1.....	7.3150	EA	1
BD1217.....	6.5103	EA	6
BD1218-1.....	8.1353	EA	1
BD1218.....	7.2404	EA	6
BD1219-1.....	6.7143	EA	1
BD1219.....	5.9758	EA	6
BD1220-1.....	6.7143	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
BD1220.....	5.9758	EA	6
BD1221-1.....	8.4967	EA	1
BD1221.....	7.5620	EA	6
BD1222-1.....	7.3150	EA	1
BD1222.....	6.5103	EA	6
BD1223-1.....	7.3150	EA	1
BD1223.....	6.5103	EA	6
BD1224-1.....	7.3150	EA	1
BD1224.....	6.5103	EA	6
BD1225-1.....	7.3150	EA	1
BD1225.....	6.5103	EA	6
BD1226-1.....	7.3150	EA	1
BD1226.....	6.5103	EA	6
BD1227-1.....	7.3150	EA	1
BD1227.....	6.5103	EA	6
BD1228-1.....	6.7143	EA	1
BD1228.....	5.9758	EA	6
BD1230-1.....	6.7143	EA	1
BD1230.....	5.9758	EA	6
BD1231-1.....	6.7143	EA	1
BD1231.....	5.9758	EA	6
BD1232-1.....	6.7143	EA	1
BD1232.....	5.9758	EA	6
BD1233-1.....	6.7143	EA	1
BD1233.....	5.9758	EA	6
BD1234-1.....	7.1392	EA	1
BD1234.....	6.3539	EA	6
BD1235-1.....	4.3997	EA	1
BD1235.....	3.9157	EA	6
BD1236-1.....	6.7143	EA	1
BD1236.....	5.9758	EA	6
BD1237-1.....	6.7143	EA	1
BD1237.....	5.9758	EA	6
BD1238-1.....	6.7143	EA	1
BD1238.....	5.9758	EA	6
BD1239-1.....	8.5406	EA	1
BD1239.....	7.6012	EA	6
BD1240-1.....	8.5406	EA	1
BD1240.....	7.6012	EA	6
BD1241-1.....	8.5406	EA	1
BD1241.....	7.6012	EA	6
BD1242-1.....	8.5406	EA	1
BD1242.....	7.6012	EA	6
BD1243-1.....	8.5406	EA	1
BD1243.....	7.6012	EA	6
BD1244-1.....	8.5406	EA	1
BD1244.....	7.6012	EA	6
BD1245-1.....	6.0632	EA	1
BD1245.....	5.5585	EA	6
BD1253-1.....	6.3383	EA	1
BD1253.....	5.6411	EA	6
BD1257-1.....	6.9927	EA	1
BD1257.....	6.2235	EA	6
BD1258-1.....	5.7377	EA	1
BD1258.....	5.1066	EA	6
BD1264-1.....	7.3491	EA	1
BD1264.....	6.5407	EA	6
BD1265-1.....	6.9927	EA	1
BD1265.....	6.2235	EA	6
BD1266-1.....	6.5190	EA	1
BD1266.....	5.8019	EA	6
BD1267-1.....	7.3150	EA	1
BD1267.....	6.5103	EA	6
BD1268-1.....	6.6655	EA	1
BD1268.....	5.9323	EA	6
BD1269-1.....	7.3150	EA	1
BD1269.....	6.5103	EA	6
BD1270-1.....	8.1353	EA	1
BD1270.....	7.2404	EA	6
BD1271-1.....	7.3150	EA	1
BD1271.....	6.5103	EA	6
BD1301-1.....	4.5706	EA	1
BD1301.....	4.0679	EA	6
BD1302-1.....	4.5706	EA	1
BD1302.....	4.0679	EA	6
BD1305-1.....	4.5706	EA	1
BD1305.....	4.0679	EA	6
BD1306-1.....	4.5706	EA	1
BD1306.....	4.0679	EA	6
BD1307-1.....	4.5706	EA	1
BD1307.....	4.0679	EA	6
BD1308-1.....	4.5706	EA	1
BD1308.....	4.0679	EA	6
BD1309-1.....	4.5706	EA	1
BD1309.....	4.0679	EA	6
BD1310-1.....	4.5706	EA	1
BD1310.....	4.0679	EA	6
BD1311-1.....	4.5706	EA	1
BD1311.....	4.0679	EA	6
BD1312-1.....	4.5706	EA	1
BD1312.....	4.0679	EA	6
BD1313-1.....	4.7415	EA	1
BD1313.....	4.2200	EA	6
BD1314-1.....	4.4925	EA	1
BD1314.....	3.9983	EA	6
BD1315-1.....	4.5706	EA	1
BD1315.....	4.0679	EA	6
BD1316-1.....	4.5706	EA	1
BD1316.....	4.0679	EA	6
BD1317-1.....	3.7893	EA	1
BD1317.....	3.3725	EA	6
BD1318-1.....	4.4534	EA	1
BD1318.....	3.9636	EA	6
BD1330-1.....	3.9700	EA	1
BD1330.....	3.5333	EA	6
BD1331-1.....	3.9700	EA	1
BD1331.....	3.5333	EA	6
BD1332-1.....	3.9700	EA	1
BD1332.....	3.5333	EA	6
BD1333-1.....	3.9700	EA	1
BD1333.....	3.5333	EA	6
BD1334-1.....	4.4534	EA	1
BD1334.....	3.9636	EA	6
BD1335-1.....	3.9700	EA	1
BD1335.....	3.5333	EA	6
BD1336-1.....	4.3997	EA	1
BD1336.....	3.9157	EA	6
BD1337-1.....	5.6742	EA	1
BD1337.....	5.0501	EA	6
BD1338-1.....	3.9700	EA	1
BD1338.....	3.5333	EA	6
BD1339-1.....	6.6313	EA	1
BD1339.....	5.9019	EA	6
BD1340-1.....	3.9700	EA	1
BD1340.....	3.5333	EA	6
BD1341-1.....	5.6742	EA	1
BD1341.....	5.0501	EA	6
BD1342-1.....	6.6313	EA	1
BD1342.....	5.9019	EA	6
BD1343-1.....	6.6313	EA	1
BD1343.....	5.9019	EA	6
BD1344-1.....	6.6313	EA	1
BD1344.....	5.9019	EA	6
BD1345-1.....	3.9700	EA	1
BD1345.....	3.5333	EA	6
BD1346-1.....	4.3997	EA	1
BD1346.....	3.9157	EA	6
BD1347-1.....	6.6313	EA	1
BD1347.....	5.9019	EA	6
BD1348-1.....	3.9700	EA	1
BD1348.....	3.5333	EA	6
BD1349-1.....	5.6742	EA	1
BD1349.....	5.0501	EA	6
BD1350-1.....	4.3997	EA	1
BD1350.....	3.9157	EA	6
BD1351-1.....	4.3997	EA	1
BD1351.....	3.9157	EA	6
BD1352-1.....	3.7893	EA	1
BD1352.....	3.3725	EA	6
BD1353-1.....	6.6313	EA	1
BD1353.....	5.9019	EA	6
BD1354-1.....	8.6285	EA	1
BD1354.....	7.6794	EA	6
BD1370-1.....	4.4534	EA	1
BD1370.....	3.9636	EA	6
BD1371-1.....	4.4534	EA	1
BD1371.....	3.9636	EA	6
BD1372-1.....	4.4534	EA	1
BD1372.....	3.9636	EA	6
BD1373-1.....	4.5706	EA	1
BD1373.....	4.0679	EA	6
BD1374-1.....	4.4534	EA	1
BD1374.....	3.9636	EA	6
BD1375-1.....	4.4534	EA	1
BD1375.....	3.9636	EA	6
BD1376-1.....	4.4534	EA	1
BD1376.....	3.9636	EA	6
BD1377-1.....	4.4534	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
BD1377.....	3.9636	EA	6
BD1378-1.....	4.4534	EA	1
BD1378.....	3.9636	EA	6
BD1379-1.....	4.4534	EA	1
BD1379.....	3.9636	EA	6
BD1380-1.....	4.4534	EA	1
BD1380.....	3.9636	EA	6
BD1381-1.....	4.4534	EA	1
BD1381.....	3.9636	EA	6
BD1382-1.....	4.4534	EA	1
BD1382.....	3.9636	EA	6
BD1383-1.....	4.4534	EA	1
BD1383.....	3.9636	EA	6
BD1384-1.....	4.4534	EA	1
BD1384.....	3.9636	EA	6
BD1400-1.....	4.8492	EA	1
BD1400.....	4.3158	EA	6
BD1401-1.....	4.8492	EA	1
BD1401.....	4.3158	EA	6
BD1402-1.....	4.8492	EA	1
BD1402.....	4.3158	EA	6
BD1403-1.....	4.8492	EA	1
BD1403.....	4.3158	EA	6
BD1404-1.....	7.6763	EA	1
BD1404.....	6.8319	EA	6
BD1405-1.....	3.7510	EA	1
BD1405.....	3.3384	EA	6
BD1406-1.....	7.6763	EA	1
BD1406.....	6.8319	EA	6
BD1407-1.....	4.8492	EA	1
BD1407.....	4.3158	EA	6
BD1408-1.....	4.8492	EA	1
BD1408.....	4.3158	EA	6
BD1409-1.....	2.7793	EA	1
BD1409.....	2.4736	EA	6
BD1410-1.....	7.6763	EA	1
BD1410.....	6.8319	EA	6
BD1411-1.....	3.8960	EA	1
BD1411.....	3.8584	EA	6
BD1412-1.....	4.8492	EA	1
BD1412.....	4.3158	EA	6
BD1413-1.....	4.8492	EA	1
BD1413.....	4.3158	EA	6
BD1415-1.....	5.3242	EA	1
BD1415.....	4.7386	EA	6
BD1416-1.....	3.3037	EA	1
BD1416.....	2.9403	EA	6
BD1417-1.....	6.0337	EA	1
BD1417.....	5.3700	EA	6
BD1418-1.....	7.3941	EA	1
BD1418.....	6.5807	EA	6
BD1419-1.....	9.0631	EA	1
BD1419.....	8.0662	EA	6
BD1420-1.....	9.0631	EA	1
BD1420.....	8.0662	EA	6
BD1421-1.....	5.7252	EA	1
BD1421.....	5.0955	EA	6
BD1422-1.....	7.9030	EA	1
BD1422.....	7.0337	EA	6
BD1423-1.....	7.9030	EA	1
BD1423.....	7.0337	EA	6
BD1424-1.....	7.9030	EA	1
BD1424.....	7.0337	EA	6
BD1425-1.....	5.7252	EA	1
BD1425.....	5.0955	EA	6
BD1426-1.....	5.7252	EA	1
BD1426.....	5.0955	EA	6
BD1427-1.....	5.7252	EA	1
BD1427.....	5.0955	EA	6
BD1428-1.....	8.2037	EA	1
BD1428.....	7.3013	EA	6
BD1450-1.....	4.9808	EA	1
BD1450.....	4.4329	EA	6
BD1451-1.....	7.5005	EA	1
BD1451.....	6.6755	EA	6
BD1452-1.....	5.0883	EA	1
BD1452.....	4.5285	EA	6
BD1453-1.....	6.7094	EA	1
BD1453.....	5.9714	EA	6
BD1454-1.....	7.4663	EA	1
BD1454.....	6.6450	EA	6
BD1455-1.....	7.4663	EA	1
BD1455.....	6.6450	EA	6
BD1456-1.....	6.7094	EA	1
BD1456.....	5.9714	EA	6
BD1457-1.....	6.7094	EA	1
BD1457.....	5.9714	EA	6
BD1458-1.....	6.7094	EA	1
BD1458.....	5.9714	EA	6
BD1459-1.....	6.6069	EA	1
BD1459.....	5.8801	EA	6
BD1460-1.....	5.1713	EA	1
BD1460.....	4.6024	EA	6
BD1470-1.....	6.8315	EA	1
BD1470.....	6.0801	EA	6
BD1471-1.....	7.7789	EA	1
BD1471.....	6.9232	EA	6
BD1472-1.....	6.8315	EA	1
BD1472.....	6.0801	EA	6
BD1473-1.....	5.7621	EA	1
BD1473.....	5.1283	EA	6
BD1474-1.....	5.7621	EA	1
BD1474.....	5.1283	EA	6
BD1475-1.....	6.8315	EA	1
BD1475.....	6.0801	EA	6
BD80018.....	0.8743	EA	10
BD80019.....	0.8743	EA	10
BD80020.....	0.9772	EA	10
BD80035.....	1.8257	EA	10
BD80875-2.....	1.8085	EA	6
BD80876-2.....	1.8085	EA	6
BD80901.....	40.4431	EA	1
BD80904.....	9.3189	EA	1
BD80912-2.....	1.4999	EA	6
BD80916-2.....	1.1656	EA	6
BD80917-2.....	1.1656	EA	6
BD80920.....	16.1692	EA	1
BD80925-2.....	1.6457	EA	4
BD80934.....	15.1200	EA	4
BD80951.....	8.0949	EA	2
BD80952.....	6.8742	EA	6
BD80954.....	2.0142	EA	6
BD80960.....	3.6000	EA	1
BD80961.....	3.0857	EA	1
BD80963.....	5.9143	EA	2
BD80964-4.....	2.8852	EA	100
BD80965-4.....	2.8852	EA	100
BD80968.....	6.0686	EA	2
BD80980.....	4.9886	EA	2
BD80987.....	2.7360	EA	1
BD80989.....	2.5303	EA	1
BD81005.....	21.1063	EA	1
BD81011.....	6.5571	EA	2
BD81018.....	4.5463	EA	5
BD81022.....	4.8857	EA	2
BD81040.....	5.5029	EA	10
BD81055.....	3.5434	EA	4
BD81056.....	2.5714	EA	1
BD81059.....	0.6583	EA	5
BD81068.....	3.7491	EA	4
BD81069.....	3.7491	EA	4
BD81121.....	8.9691	EA	5
BD81122.....	8.9691	EA	5
BD81138.....	3.5383	EA	5
BD81200.....	13.8831	EA	2
BD81214.....	16.1692	EA	1
BD81216.....	1.2034	EA	10
BD81217.....	1.0109	EA	10
BD81222.....	1.3269	EA	10
BD81251.....	3.5434	EA	4
BD81512-2.....	5.7086	EA	2
BD83892.....	4.7623	EA	1
BD83920-4.....	13.9096	EA	6
BD83920.....	14.3383	EA	1
BD83942.....	194.1943	EA	1
BD83989.....	11.6923	EA	1
BDCRWTC1150X....	5.2289	EA	1
BDWIL1115075....	6.6971	EA	1
BE-2.....	0.3710	EA	10
BE-8.....	0.5512	EA	10
BES1005SL.....	14.6984	BX	1
BES1005SM.....	14.6984	BX	1
BES1005SS.....	14.6984	BX	1
BES279009.....	5.9869	PR	12
BES321410.....	8.9782	PR	1
BES6005PFL.....	19.3108	BX	1
BES6005PFM.....	19.3992	BX	1
BES6005PFS.....	19.3108	BX	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
BES6005PFXL.....	19.3108	BX	1
BES66NBW10.....	8.1843	PR	1
BES7005L.....	18.0898	BX	1
BES7005M.....	16.8434	BX	1
BES7005S.....	18.0898	BX	1
BES7005XL.....	18.0898	BX	1
BES71709.....	2.6818	PR	12
BES71710.....	2.6818	PR	12
BES73008.....	2.3512	PR	12
BES73009.....	2.3512	PR	12
BES73010.....	2.3512	PR	12
BES73011.....	2.3512	PR	12
BES7705PFTL.....	20.0870	BX	1
BES7705PFTM.....	19.3992	BX	1
BES7705PFTS.....	19.3992	BX	1
BES7705PFTXL....	19.3992	BX	1
BES7712R10.....	4.0605	PR	12
BES8005L.....	24.7086	BX	1
BES8005M.....	24.7086	BX	1
BES8005S.....	23.7403	BX	1
BES8005XL.....	23.7403	BX	1
BES81210.....	5.9869	PR	12
BES87408.....	31.7984	PR	1
BES87409.....	31.7984	PR	1
BES87410.....	31.7984	PR	1
BES89009.....	245.0541	PR	1
BES89010.....	245.0541	PR	1
BES89209.....	89.1007	PR	1
BES89210.....	89.1007	PR	1
BES91007.....	10.7170	EA	1
BES91009.....	11.1088	EA	1
BES910C07.....	11.3953	EA	1
BES910C09.....	11.3953	EA	1
BES962L10.....	4.8023	PR	1
BH-12.....	0.3165	EA	10
BL-10.....	1.2048	EA	10
BM-3.....	0.3816	EA	10
BM15.....	100.9438	EA	1
BM30.....	199.9160	EA	1
BN-1.....	0.3710	EA	10
BN-7.....	0.6832	EA	10
BO-1.....	0.3710	EA	10
BP-176-.....	55.0864	EA	1
BP-182-.....	51.9002	EA	1
BP-196-.....	29.4081	EA	1
BP-203-.....	29.0149	EA	1
BP-2146-.....	49.2770	EA	1
BP-219-.....	40.6257	EA	1
BP-225-.....	85.5975	EA	1
BP-228-.....	58.3358	EA	1
BP-230-.....	34.7798	EA	1
BP-242-.....	30.0895	EA	1
BP-253-.....	89.7159	EA	1
BP-255-.....	57.5860	EA	1
BP-260-.....	38.4820	EA	1
BP-266-.....	49.8125	EA	1
BP-271-.....	156.7494	EA	1
BP-284-.....	64.1483	EA	1
BP-285-.....	61.7351	EA	1
BP-295-.....	62.3653	EA	1
BP-298-.....	145.8976	EA	1
BP-313-.....	124.0466	EA	1
BP-320-.....	71.8243	EA	1
BP-409-S.....	99.2572	EA	1
BP-46-.....	38.7538	EA	1
BP-5045-.....	44.2905	EA	1
BP-5504-.....	202.4346	EA	1
BP-5509-.....	122.2595	EA	1
BP-5510-.....	234.8173	EA	1
BP-5511-.....	214.6868	EA	1
BP-5523-.....	288.5793	EA	1
BP-5524-.....	93.7410	EA	1
BP-5534-.....	69.8069	EA	1
BP-5536-.....	77.1561	EA	1
BP-5537-.....	43.6216	EA	1
BP-5538-.....	40.8063	EA	1
BP-5549-.....	124.8320	EA	1
BP-5557-.....	102.0988	EA	1
BP-5561-.....	24.3726	EA	1
BP-5573-.....	76.9515	EA	1
BP-5574-.....	48.6162	EA	1
BP-5582-.....	50.1016	EA	1
BP-5583-.....	79.7639	EA	1
BP-5600-.....	53.5574	EA	1
BP-5602-.....	104.0815	EA	1
BP-5613-.....	56.8619	EA	1
BP-5626-.....	111.8736	EA	1
BP-5627-.....	78.9191	EA	1
BP-5629-.....	42.9918	EA	1
BP-5638-.....	76.6579	EA	1
BP-5639-.....	85.1127	EA	1
BP-5652-.....	62.9951	EA	1
BP-5693-.....	87.1275	EA	1
BP-5700-.....	47.7222	EA	1
BP-5701-.....	53.9310	EA	1
BP-5706-.....	112.2739	EA	1
BP-5711-.....	113.6615	EA	1
BP-5716-.....	43.6456	EA	1
BP-5717-.....	36.7279	EA	1
BP-5721-.....	56.5425	EA	1
BP-5722-.....	102.3530	EA	1
BP-5726-.....	145.7052	EA	1
BP-5731-.....	39.9390	EA	1
BP-5734-.....	56.2074	EA	1
BP-5755-.....	40.2058	EA	1
BP-5760-.....	92.2777	EA	1
BP-5769-.....	41.2821	EA	1
BP-5771-.....	292.0972	EA	1
BP-5793-.....	39.0406	EA	1
BP-5794-.....	56.1325	EA	1
BP-5795-.....	93.3558	EA	1
BP-5796-.....	79.0386	EA	1
BP-5803-.....	93.9856	EA	1
BP-5807-.....	110.0057	EA	1
BP-5808-.....	129.7706	EA	1
BP-5809-.....	269.7438	EA	1
BP-5812-.....	214.4608	EA	1
BP-5819-.....	65.0587	EA	1
BP-5825-.....	80.6963	EA	1
BP-5831-.....	34.6375	EA	1
BP-5834-.....	258.2602	EA	1
BP-5850-.....	97.2590	EA	1
BP-5863-.....	97.9795	EA	1
BP-5876-.....	131.2383	EA	1
BP-5877-.....	250.5215	EA	1
BP-5946-.....	158.4414	EA	1
BP-626-A.....	91.7839	EA	1
BP-627-A.....	51.4174	EA	1
BP-646-A.....	27.3079	EA	1
BP-666-A.....	85.9224	EA	1
BP-670-A.....	146.7335	EA	1
BP-675-A.....	180.3036	EA	1
BP-676-A.....	154.7124	EA	1
BP-690-M.....	126.5550	EA	1
BP-690-S.....	197.0442	EA	1
BP-694-A.....	211.2719	EA	1
BP-708-M.....	422.6959	EA	1
BP-750-M3.....	153.9813	EA	1
BP-750-M4.....	371.4448	EA	1
BP-751-M2.....	785.0535	EA	1
BP-815-.....	145.1416	EA	1
BP-816-.....	150.9080	EA	1
BP-818-.....	102.8903	EA	1
BP-818-X.....	66.5841	EA	1
BP-823-.....	54.1988	EA	1
BP44-9800.....	11.4471	EA	5
BP46-9800.....	12.6513	EA	5
BP48-9800.....	11.7670	EA	5
BSM3650.....	158.4495	EA	1
BUL2000.....	91.6900	EA	1
BUL30ORR.....	57.5156	EA	1
BUL30RDR.....	57.5156	EA	1
BUL33RDPL.....	44.6896	EA	1
BUL33RDR.....	61.9888	EA	1
BUL33WHPL.....	44.6896	EA	1
BUL33WHR.....	61.9888	EA	1
BUL33YLPL.....	44.6896	EA	1
BUL33YLR.....	61.9888	EA	1
BUL41ORPL.....	25.2280	EA	1
BUL41RDPL.....	25.2280	EA	1
BUL41WHPL.....	25.2280	EA	1
BUL41WHR.....	41.4460	EA	1
BUL41YLPL.....	25.2280	EA	1
BUL41YLR.....	41.4460	EA	1
BULMKYL.....	19.1754	EA	1
C-242.....	0.6499	EA	10
C-603.....	0.2795	EA	10
C-606.....	0.2795	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C-97034-.....	0.1005	EA	900
C1000002.....	4.3216	EA	1
C1000003.....	74.1066	EA	1
C1000004.....	0.9092	EA	1
C1000006.....	8.9952	EA	1
C1000008.....	9.3166	EA	1
C1000020.....	1.3543	EA	1
C1000036.....	1.6016	EA	1
C1000037.....	8.9952	EA	1
C1000040.....	12.8493	EA	1
C1000041.....	6.6342	EA	1
C1000043.....	13.3348	EA	1
C1000047.....	7.9566	EA	1
C1000048.....	5.3820	EA	1
C1000055.....	1.8195	EA	1
C1000082.....	3.4562	EA	1
C1000088.....	0.9491	EA	2
C1000091.....	6.5232	EA	1
C10036.....	0.0174	EA	100
C101101.....	2.0564	EA	3
C101102.....	1.7066	EA	3
C10190.....	0.2602	EA	12
C10196.....	0.0240	EA	100
C10200.....	93.3411	EA	1
C10201.....	0.0918	EA	100
C10202.....	0.0918	EA	100
C10203.....	0.0918	EA	100
C10204.....	0.0918	EA	100
C10205.....	0.0918	EA	100
C10206.....	0.2525	EA	100
C10240.....	0.3020	EA	100
C10241.....	0.5987	EA	100
C10242.....	0.4730	EA	100
C10243.....	0.4682	EA	100
C10245.....	0.6536	EA	50
C10246.....	0.9164	EA	50
C10280.....	3.9219	EA	10
C10286.....	4.9368	EA	10
C10329.....	0.5116	EA	50
C10380.....	0.4781	EA	25
C105408.....	14.0637	EA	1
C105412.....	16.7706	EA	1
C105416.....	20.2778	EA	1
C105420.....	23.9030	EA	1
C105424.....	24.6238	EA	1
C105428.....	26.5742	EA	1
C105432.....	28.0476	EA	1
C105434.....	43.6065	EA	1
C10589.....	1.7732	EA	50
C10597-1.....	0.0962	EA	15
C10606-1.....	0.0962	EA	15
C10607-1.....	0.0962	EA	15
C10616B.....	52.2429	EA	1
C106210.....	6.2646	EA	2
C10656.....	0.1129	EA	100
C10658.....	0.2433	EA	100
C10680.....	0.6346	EA	120
C10833.....	0.3958	EA	10
C10908.....	0.1896	EA	100
C109890.....	9.1634	EA	3
C10999.....	24.0302	EA	1
C11000.....	24.0302	EA	1
C1100000.....	894.0252	EA	1
C1100001.....	131.8559	EA	1
C1100023.....	12.4825	EA	1
C1100049.....	15.9924	EA	1
C1100056.....	11.3500	EA	1
C1100062.....	15.1022	EA	1
C1100075.....	138.5937	EA	1
C1100079.....	2.3677	EA	1
C1100086.....	109.4892	EA	1
C1100087.....	5.1330	EA	1
C1100106.....	2.2458	EA	2
C11263-1.....	0.1968	EA	10
C11263.....	0.1344	EA	100
C11264-1.....	0.7031	EA	10
C11264.....	0.1624	EA	50
C11267.....	0.6078	EA	50
C11269.....	0.8780	EA	50
C11280.....	0.2108	EA	50
C11282.....	1.0745	EA	50
C11285.....	0.0354	EA	100
C11286.....	0.0229	EA	100
C11299.....	0.0423	EA	100
C11300.....	0.0365	EA	100
C11301.....	0.0347	EA	100
C11308.....	0.0388	EA	100
C11309.....	0.0284	EA	100
C11314.....	13.8007	EA	1
C11329.....	0.0361	EA	100
C11330.....	0.0342	EA	100
C11337.....	0.1724	EA	50
C11341.....	0.0964	EA	50
C11346.....	0.0967	EA	50
C11362.....	0.0482	EA	100
C11363.....	0.0267	EA	100
C11368.....	0.8488	EA	25
C11369.....	0.8588	EA	25
C11372.....	0.4427	EA	25
C11393.....	0.0458	EA	100
C11462.....	0.0586	EA	100
C11508.....	0.2925	EA	50
C11509.....	0.4902	EA	50
C11693.....	0.7873	EA	5
C11702-1.....	1.2525	EA	10
C11702.....	0.1867	EA	50
C120610.....	1.4628	EA	5
C121350.....	0.9743	EA	25
C121351.....	0.9743	EA	25
C121352.....	2.0582	EA	25
C121353.....	2.0582	EA	25
C121354.....	2.6656	EA	10
C121355.....	2.7182	EA	10
C12142.....	0.6880	EA	50
C122060.....	6.6586	EA	1
C122062.....	6.4553	EA	1
C122064.....	6.4553	EA	1
C122065.....	6.4553	EA	1
C122066.....	6.4553	EA	1
C122100.....	26.2024	EA	1
C122102.....	36.5970	EA	1
C122104.....	46.5341	EA	1
C122202.....	19.6455	EA	1
C12238.....	0.1282	EA	50
C12301-1.....	0.1637	EA	10
C12301.....	0.1785	EA	50
C123050.....	4.7276	EA	4
C123234.....	15.9792	EA	1
C124034.....	11.5540	EA	1
C12490.....	0.0512	EA	100
C12501.....	0.0859	EA	50
C125013.....	10.4834	EA	2
C125023.....	21.5213	EA	1
C12511.....	0.0905	EA	50
C125117.....	34.7468	EA	1
C12512.....	0.0754	EA	50
C12513.....	0.1612	EA	50
C125136.....	39.1034	EA	1
C125143.....	14.6810	EA	1
C125302.....	18.9018	EA	1
C125312.....	7.7000	EA	1
C125322.....	18.0836	EA	1
C125337.....	0.3517	EA	1
C125338.....	0.4658	EA	1
C125342.....	2.1980	EA	1
C125343.....	0.0446	EA	1
C125500.....	5.1516	EA	5
C126102.....	2.6413	EA	10
C126105.....	3.8690	EA	10
C126108.....	4.9160	EA	10
C12656.....	1.8857	EA	5
C12682.....	0.9485	EA	50
C12791.....	0.2142	EA	25
C12841.....	0.0241	EA	100
C12842.....	0.0253	EA	100
C12931.....	0.0838	EA	50
C12932.....	0.0903	EA	50
C12934.....	0.0926	EA	50
C12967.....	0.1131	EA	50
C13008.....	0.0422	EA	100
C13010.....	1.0884	EA	50
C130140.....	107.4944	EA	1
C130512.....	55.9395	EA	1
C131218.....	124.5653	EA	1
C13186.....	0.3133	EA	36
C132104.....	86.8670	EA	1
C132202.....	54.8130	EA	1
C133104.....	48.2987	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C13429.....	0.0489	EA	100
C13430.....	0.0901	EA	100
C13431.....	0.2054	EA	100
C134320.....	1.1158	EA	12
C134322.....	1.7743	EA	6
C134324.....	4.5013	EA	4
C134326.....	6.9512	EA	2
C134328.....	7.8211	EA	2
C134330.....	8.6256	EA	2
C134332.....	13.8167	EA	1
C134340.....	1.7866	EA	12
C134342.....	2.1194	EA	6
C134344.....	3.5439	EA	6
C134346.....	3.2301	EA	6
C134348.....	3.8049	EA	6
C134350.....	4.7642	EA	6
C134352.....	5.1400	EA	6
C136150.....	32.5774	EA	1
C136152.....	72.5133	EA	1
C13638.....	0.3745	EA	50
C13639.....	0.2774	EA	50
C13850.....	0.4678	EA	50
C14028.....	0.3421	EA	25
C14066.....	0.2156	EA	25
C14067.....	0.2714	EA	25
C140890.....	10.5953	EA	1
C141144.....	27.4876	EA	1
C142012.....	40.8651	EA	1
C14264.....	0.3017	EA	100
C14269.....	0.9746	EA	100
C143002.....	5.7664	EA	1
C143166.....	42.3470	EA	1
C143208.....	11.1724	EA	2
C143232.....	6.1528	EA	3
C143236.....	6.1528	EA	3
C143302.....	230.0053	EA	1
C143502.....	29.9216	EA	1
C144210.....	22.3059	EA	1
C144214.....	34.9610	EA	1
C144810.....	76.8394	EA	1
C144850.....	67.3206	EA	1
C144871.....	2.1368	EA	12
C144876.....	5.3209	EA	4
C144878.....	4.9064	EA	6
C14522.....	4.1328	EA	10
C14602.....	0.0788	EA	100
C14607.....	0.2290	EA	100
C14611.....	0.0571	EA	100
C147310.....	12.3959	EA	1
C147505.....	9.7414	EA	1
C147506.....	39.2111	EA	1
C147560.....	12.4102	EA	1
C147602.....	19.0735	EA	1
C147650.....	5.1273	EA	5
C147800.....	41.1503	EA	1
C14828.....	17.3180	EA	1
C148802.....	7.2470	EA	2
C148804.....	14.3206	EA	2
C148902.....	0.0697	EA	250
C148904.....	0.0783	EA	100
C14899.....	0.2179	EA	50
C14917.....	1.5132	EA	12
C149242.....	20.9986	EA	1
C14975.....	0.1198	EA	50
C14978.....	0.1018	EA	50
C14979.....	0.1018	EA	50
C14981.....	0.0982	EA	50
C150587.....	4.7700	EA	5
C150589.....	3.6570	EA	5
C150595.....	51.8354	EA	1
C15083.....	0.1972	EA	50
C15093.....	0.1260	EA	50
C15094.....	0.1151	EA	50
C15095.....	0.2115	EA	50
C15097.....	0.1500	EA	50
C15099.....	0.1888	EA	50
C15107.....	0.3205	EA	25
C15140.....	0.6768	EA	25
C15155.....	0.1381	EA	100
C15159.....	0.1288	EA	100
C15160.....	0.1823	EA	100
C15198.....	24.0302	EA	1
C15199.....	24.0302	EA	1
C15201.....	35.3616	EA	1
C15418.....	0.1384	EA	60
C15455.....	15.1130	EA	1
C15498.....	21.7618	EA	1
C160116.....	0.2735	EA	25
C160231.....	13.5570	EA	2
C160254.....	10.2707	EA	1
C16033.....	1.2747	EA	10
C16047.....	0.1765	EA	50
C160544.....	9.7506	EA	6
C160548.....	0.0844	EA	100
C160550.....	0.0844	EA	100
C160608.....	7.9808	EA	3
C160652-1.....	6.6652	EA	25
C160654-1.....	6.2853	EA	25
C160656-1.....	6.2674	EA	25
C160720.....	10.1402	EA	1
C160721.....	8.3767	EA	1
C160724.....	10.1402	EA	1
C160725.....	8.3767	EA	1
C160728.....	10.1402	EA	1
C160729.....	8.3767	EA	1
C160732.....	10.1402	EA	1
C160733.....	8.9008	EA	1
C161154.....	193.0684	EA	1
C16134.....	0.0416	EA	100
C161502.....	32.4003	EA	1
C16313.....	0.6736	EA	5
C16322.....	0.6429	EA	5
C16326.....	1.4840	EA	5
C16335.....	0.7263	EA	5
C16336.....	0.8416	EA	5
C16337.....	1.6264	EA	5
C164002.....	169.9639	EA	1
C16520.....	0.8904	EA	5
C16609.....	0.5194	EA	10
C16639.....	0.6148	EA	10
C16643.....	0.9540	EA	10
C16644.....	1.0706	EA	10
C170152.....	0.9874	EA	12
C17343.....	15.8576	EA	1
C17344.....	14.1086	EA	1
C17436.....	0.8780	EA	50
C175006.....	12.5013	EA	1
C175042.....	6.2579	EA	1
C175302.....	38.0655	EA	1
C175304.....	38.5622	EA	1
C17909.....	176.1479	EA	1
C17911.....	1.8508	EA	5
C18167.....	5.4261	EA	5
C18188.....	0.9691	EA	10
C18271.....	0.3923	EA	50
C18272-1.....	0.1323	EA	25
C18272.....	0.5421	EA	50
C183104.....	1.3497	EA	12
C18350.....	0.2200	EA	25
C184452.....	1.3356	EA	5
C184454.....	1.8224	EA	5
C184456.....	1.9460	EA	5
C185324.....	2.3346	EA	1
C185366.....	2.0816	EA	10
C18568-1.....	0.7966	EA	10
C18591-1.....	0.4610	EA	10
C18619.....	0.0263	EA	100
C186204.....	12.4867	EA	1
C186205.....	15.8747	EA	1
C186206.....	19.3162	EA	1
C186207.....	22.5499	EA	1
C186212.....	35.2467	EA	1
C18639.....	0.0320	EA	100
C187206.....	14.2261	EA	1
C187208.....	28.1136	EA	1
C187506.....	9.9503	EA	1
C187508.....	18.1156	EA	1
C18802.....	0.2025	EA	30
C188104.....	4.4475	EA	5
C188106.....	5.5717	EA	5
C188108.....	7.8212	EA	4
C188110.....	17.1824	EA	3
C188112.....	23.5989	EA	2
C18827.....	9.3687	EA	1
C18882.....	2.5352	EA	10
C18883.....	2.7877	EA	5
C189214.....	0.5867	EA	25
C189218.....	1.4856	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C189222.....	1.7139	EA	10
C18949.....	5.2792	EA	5
C18951.....	0.3787	EA	25
C18954.....	0.4043	EA	25
C18955.....	0.2568	EA	25
C18956.....	0.3415	EA	25
C18957.....	0.4558	EA	25
C18959.....	0.3292	EA	100
C191105.....	43.8324	EA	1
C191124.....	40.0876	EA	1
C191212.....	5.8532	EA	2
C191214.....	7.9517	EA	2
C193214.....	10.1548	EA	1
C193420.....	1.7756	EA	4
C193604.....	4.7222	EA	4
C194110.....	78.7754	EA	1
C194114.....	50.8881	EA	1
C194210.....	34.6838	EA	1
C194212.....	59.7972	EA	1
C194214.....	50.3618	EA	1
C194216.....	39.5297	EA	1
C19500.....	99.0000	EA	1
C19501.....	99.0000	EA	1
C19502.....	99.0000	EA	1
C19503.....	99.0000	EA	1
C19505.....	99.0000	EA	1
C19506.....	99.0000	EA	1
C19507.....	99.0000	EA	1
C19508.....	99.0000	EA	1
C19509.....	99.0000	EA	1
C19510.....	99.0000	EA	1
C19511.....	99.0000	EA	1
C19513.....	99.0000	EA	1
C19514.....	99.0000	EA	1
C19515.....	99.0000	EA	1
C19556.....	99.0000	EA	1
C19557.....	99.0000	EA	1
C19594.....	6.0068	EA	1
C19688.....	6.0068	EA	1
C19693.....	99.0000	EA	1
C19694.....	99.0000	EA	1
C19700.....	29.4706	EA	1
C19717.....	6.0068	EA	1
C19727.....	1.9851	EA	1
C19728.....	1.4508	EA	1
C19794.....	99.0000	EA	1
C19799.....	6.0068	EA	1
C19832.....	0.5490	EA	50
C19833.....	0.5516	EA	50
C19834.....	0.5516	EA	50
C19847.....	6.0068	EA	1
C19855.....	137.8330	EA	1
C19859.....	0.0938	EA	100
C19860.....	0.0918	EA	100
C19861.....	0.0918	EA	100
C19862.....	0.0918	EA	100
C19863.....	0.0918	EA	100
C19868.....	0.2040	EA	100
C19869.....	0.2040	EA	100
C19870.....	0.0938	EA	100
C19876.....	99.0000	EA	1
C19877.....	99.0000	EA	1
C19900.....	117.5454	EA	1
C19948.....	6.0068	EA	1
C19960.....	99.0000	EA	1
C19962.....	8.9329	EA	1
C19965.....	99.0000	EA	1
C19967.....	99.0000	EA	1
C19970.....	29.4706	EA	1
C1UZ-13550-E....	7.0022	EA	2
C20009.....	99.0000	EA	1
C20028.....	5.2752	EA	1
C20030.....	6.0068	EA	1
C20048.....	1.4637	EA	1
C20091.....	88.0943	EA	1
C20108.....	99.0000	EA	1
C201101.....	1.4518	EA	6
C20111.....	99.0000	EA	1
C20139.....	99.0000	EA	1
C20141.....	6.0068	EA	1
C20154.....	99.0000	EA	1
C20163.....	29.4706	EA	1
C20166.....	99.0000	EA	1
C20167.....	99.0000	EA	1
C20170.....	99.0000	EA	1
C20171.....	99.0000	EA	1
C20176.....	99.0000	EA	1
C20199.....	99.0000	EA	1
C20200.....	99.0000	EA	1
C202013.....	18.5182	EA	1
C202103.....	12.7203	EA	1
C202107.....	11.6167	EA	1
C202200.....	61.5048	EA	1
C202203.....	1.7946	EA	6
C20232.....	12.7966	EA	1
C20238.....	99.0000	EA	1
C20239.....	99.0000	EA	1
C20254.....	99.0000	EA	1
C20266.....	99.0000	EA	1
C20267.....	99.0000	EA	1
C20268.....	6.0068	EA	1
C20281.....	99.0000	EA	1
C20295.....	10.4234	EA	1
C20303.....	99.0000	EA	1
C20304.....	99.0000	EA	1
C20307.....	6.0068	EA	1
C20309.....	10.4234	EA	1
C20311.....	99.0000	EA	1
C20312.....	99.0000	EA	1
C20321.....	99.0000	EA	1
C20322.....	99.0000	EA	1
C20337.....	99.0000	EA	1
C20352.....	99.0000	EA	1
C20353.....	99.0000	EA	1
C20388.....	99.0000	EA	1
C20397.....	99.0000	EA	1
C204056.....	6.7734	EA	1
C20408.....	8.9088	EA	1
C20420.....	99.0000	EA	1
C20421.....	99.0000	EA	1
C204272.....	36.8801	EA	1
C20437.....	8.6341	EA	1
C20438.....	8.6341	EA	1
C20446.....	0.5333	EA	2
C20448.....	17.5635	EA	1
C20453.....	99.0000	EA	1
C20454.....	99.0000	EA	1
C20458.....	15.0839	EA	1
C20461.....	99.0000	EA	1
C20462.....	8.0434	EA	1
C20464.....	99.0000	EA	1
C20465.....	99.0000	EA	1
C20484.....	11.8796	EA	1
C20485.....	11.8796	EA	1
C20486.....	11.8796	EA	1
C20489.....	99.0000	EA	1
C20490.....	99.0000	EA	1
C20506.....	99.0000	EA	1
C20507.....	99.0000	EA	1
C20511.....	11.9951	EA	1
C205111-1.....	5.8429	EA	1
C20514.....	99.0000	EA	1
C20530.....	34.9822	EA	1
C20531.....	2.7053	EA	1
C20533.....	99.0000	EA	1
C20535.....	6.0068	EA	1
C20544.....	99.0000	EA	1
C20545.....	99.0000	EA	1
C20546.....	6.0068	EA	1
C20549.....	99.0000	EA	1
C20550.....	99.0000	EA	1
C20553.....	99.0000	EA	1
C20554.....	99.0000	EA	1
C20559.....	1.0223	EA	1
C20563.....	0.8164	EA	1
C20564.....	1.5051	EA	1
C20565.....	7.1126	EA	1
C20573.....	7.1126	EA	1
C20579.....	7.1126	EA	1
C20583.....	8.9088	EA	1
C20590.....	99.0000	EA	1
C20596.....	99.0000	EA	1
C20597.....	99.0000	EA	1
C20598.....	6.0068	EA	1
C20599.....	99.0000	EA	1
C206000.....	15.1390	EA	1
C20602.....	599.0000	EA	1
C20604.....	599.0000	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C20609.....	0.5181	EA	1
C20620.....	20.8056	EA	1
C20627.....	76.5995	EA	1
C20631.....	37.2152	EA	1
C20635.....	99.0000	EA	1
C20636.....	99.0000	EA	1
C20637.....	6.0068	EA	1
C20647.....	12.8721	EA	1
C20656.....	99.0000	EA	1
C20658.....	7.7137	EA	1
C20663.....	99.0000	EA	1
C20664.....	99.0000	EA	1
C20666.....	99.0000	EA	1
C20672.....	99.0000	EA	1
C20673.....	99.0000	EA	1
C20675.....	99.0000	EA	1
C20679.....	7.3576	EA	1
C20680.....	0.5337	EA	100
C20681.....	0.1837	EA	100
C20682.....	0.2941	EA	100
C20683.....	0.4982	EA	100
C20684.....	0.1388	EA	1
C20685.....	0.1388	EA	1
C20692.....	599.0000	EA	1
C20694.....	599.0000	EA	1
C20716.....	290.4481	EA	1
C20717.....	271.6962	EA	1
C20718.....	6.5494	EA	1
C20721.....	0.0918	EA	100
C20722.....	0.0918	EA	100
C20723.....	0.0918	EA	100
C20724.....	0.0918	EA	100
C20725.....	0.0918	EA	100
C20731.....	0.6428	EA	100
C20732.....	0.6428	EA	100
C20733.....	0.6428	EA	100
C20734.....	0.6428	EA	100
C20735.....	0.6428	EA	100
C20736.....	0.6328	EA	100
C20737.....	0.6428	EA	100
C20738.....	0.6428	EA	100
C20740.....	0.6428	EA	100
C20741.....	0.9738	EA	100
C20742.....	0.6428	EA	100
C20743.....	99.0000	EA	1
C20744.....	99.0000	EA	1
C20746.....	16.6671	EA	1
C20747.....	0.4571	EA	50
C20748.....	12.3490	EA	5
C20750.....	12.3490	EA	5
C20752.....	99.0000	EA	1
C20754.....	6.0068	EA	1
C20755.....	6.5494	EA	1
C20759.....	4.5746	EA	1
C20760.....	6.0068	EA	1
C20765.....	6.5494	EA	1
C20767.....	115.7776	EA	1
C20770.....	6.0068	EA	1
C20774.....	126.5370	EA	1
C20776.....	64.7693	EA	1
C20777.....	54.0506	EA	1
C20780.....	4.5746	EA	1
C20782.....	9.1767	EA	1
C20784.....	99.0000	EA	1
C20785.....	127.0475	EA	1
C20786.....	127.0475	EA	1
C20789.....	127.0475	EA	1
C20791.....	599.0000	EA	1
C20792.....	599.0000	EA	1
C20795.....	599.0000	EA	1
C20796.....	99.0000	EA	1
C20797.....	137.8330	EA	1
C20798.....	4.9078	EA	1
C20799.....	4.9078	EA	1
C20802.....	0.1583	EA	100
C20803.....	0.1525	EA	100
C20806.....	0.1572	EA	100
C20807.....	0.1516	EA	100
C20808.....	0.1525	EA	100
C20809.....	0.1525	EA	100
C20813.....	0.1887	EA	100
C20814.....	0.1787	EA	100
C20815.....	0.1857	EA	100
C20816.....	0.2170	EA	100
C20817.....	0.2387	EA	100
C20825.....	0.1887	EA	100
C20829.....	0.2261	EA	100
C20830.....	0.3187	EA	100
C20833.....	0.1785	EA	100
C20835.....	0.2368	EA	100
C20844.....	0.9735	EA	100
C20845.....	1.0120	EA	100
C20846.....	0.6428	EA	100
C20847.....	1.0162	EA	100
C20848.....	0.6428	EA	100
C20852.....	13.8648	EA	1
C20853.....	13.8648	EA	1
C20854.....	13.8648	EA	1
C20855.....	13.8648	EA	1
C20856.....	13.8648	EA	1
C20857.....	13.8648	EA	1
C20858.....	13.8648	EA	1
C20859.....	13.8648	EA	1
C20860.....	13.8648	EA	1
C20861.....	13.8648	EA	1
C20862.....	13.8648	EA	1
C20863.....	13.8648	EA	1
C20864.....	13.8648	EA	1
C20865.....	13.8648	EA	1
C20867.....	10.6530	EA	5
C20868.....	133.2950	EA	1
C20869.....	1.7642	EA	10
C20870.....	0.0938	EA	100
C20871.....	0.0918	EA	100
C20872.....	0.0918	EA	100
C20873.....	0.0918	EA	100
C20874.....	0.0918	EA	100
C20875.....	0.1392	EA	100
C20876.....	0.0938	EA	100
C20877.....	0.5440	EA	10
C20878.....	0.8992	EA	10
C20880.....	4.6786	EA	10
C20881.....	0.0943	EA	100
C20882.....	0.0943	EA	100
C20883.....	0.0943	EA	100
C20884.....	0.0943	EA	100
C20885.....	1.7683	EA	10
C20887.....	1.7816	EA	10
C20888.....	0.2493	EA	100
C20889.....	1.1143	EA	10
C20890.....	1.2879	EA	10
C20891.....	0.0579	EA	100
C20892.....	0.0600	EA	100
C20893.....	0.0918	EA	100
C20894.....	0.0948	EA	100
C20895.....	0.1623	EA	100
C20896.....	0.2303	EA	100
C20897.....	0.9145	EA	50
C20898.....	1.1378	EA	50
C20901.....	7.1784	EA	4
C20908.....	89.7722	EA	1
C20920.....	269.5729	EA	1
C2100001.....	175.4149	EA	1
C2100009.....	2.6602	EA	1
C2100022.....	2.1409	EA	1
C2100049.....	31.9672	EA	1
C2100083.....	109.7909	EA	1
C2100114.....	7.8577	EA	1
C2100115.....	4.0249	EA	1
C210374.....	18.4200	EA	1
C211000.....	6.1605	EA	6
C21131.....	0.1112	EA	50
C211400.....	7.1974	EA	1
C21152.....	114.7708	EA	1
C21160.....	2955.7500	EA	1
C21164.....	9.1767	EA	1
C21169.....	60.0058	EA	1
C21170.....	11.4778	EA	1
C21172.....	239.0000	EA	1
C21173.....	99.0000	EA	1
C21174.....	5.5637	EA	1
C21175.....	70.5597	EA	1
C21185.....	99.0000	EA	1
C21196.....	2.2578	EA	5
C21197.....	2.2578	EA	5
C21199.....	2.0283	EA	50
C21201.....	8.5757	EA	1
C21206.....	8.5757	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C21207.....	99.0000	EA	1
C21208.....	99.0000	EA	1
C21209.....	8.5757	EA	1
C212110.....	4.8730	EA	1
C21216.....	17.1166	EA	5
C21217.....	17.1166	EA	5
C21218.....	19.7478	EA	5
C21222.....	99.0000	EA	1
C21223.....	99.0000	EA	1
C21224.....	99.0000	EA	1
C21225.....	99.0000	EA	1
C21226.....	6.0068	EA	1
C21227.....	8.5757	EA	1
C21230.....	9.8602	EA	1
C21231.....	99.0000	EA	1
C21232.....	99.0000	EA	1
C21233.....	99.0000	EA	1
C21234.....	99.0000	EA	1
C21235.....	99.0000	EA	1
C21236.....	9.8602	EA	1
C21237.....	6.0068	EA	1
C21243.....	17.1686	EA	1
C21244.....	30.0613	EA	1
C21246.....	22.2176	EA	5
C21247.....	22.8430	EA	5
C21248.....	304.5489	EA	1
C21249.....	13.4821	EA	4
C21250.....	389.4494	EA	1
C21269.....	7.3853	EA	1
C21270.....	7.5617	EA	1
C21271.....	2.7695	EA	1
C21272.....	3.9973	EA	1
C21273.....	6.7106	EA	1
C21274.....	152.8520	EA	1
C21275.....	99.0000	EA	1
C21276.....	99.0000	EA	1
C21277.....	99.0000	EA	1
C21278.....	99.0000	EA	1
C21279.....	99.0000	EA	1
C21280.....	99.0000	EA	1
C21285.....	14.4902	EA	5
C21286.....	22.2176	EA	5
C21287.....	21.4332	EA	5
C21293.....	1.6191	EA	6
C21298.....	99.0000	EA	1
C21299.....	99.0000	EA	1
C21300.....	13.9059	EA	1
C21301.....	0.1145	EA	100
C21302.....	0.0918	EA	100
C21303.....	0.0918	EA	100
C21304.....	0.0918	EA	100
C21305.....	99.0000	EA	1
C21306.....	99.0000	EA	1
C21307.....	11.9139	EA	1
C21311.....	6.0068	EA	1
C21313.....	6.0068	EA	1
C21314.....	99.0000	EA	1
C21321.....	0.1145	EA	100
C21322.....	0.1145	EA	100
C21323.....	0.1145	EA	100
C21324.....	0.1145	EA	100
C21333.....	99.0000	EA	1
C21338.....	15.8978	EA	1
C21339.....	0.3066	EA	1
C21340.....	0.0321	EA	25
C21341.....	99.0000	EA	1
C21345.....	8.5757	EA	1
C21348.....	37.8130	EA	5
C21359.....	0.3473	EA	50
C21360.....	0.5277	EA	5
C21361.....	0.4804	EA	50
C21362.....	99.0000	EA	1
C21363.....	99.0000	EA	1
C21364.....	6.5494	EA	1
C21366.....	5.3645	EA	1
C21369.....	6.5494	EA	1
C21370.....	895.0000	EA	1
C21371.....	450.0000	EA	1
C21373.....	6.3571	EA	1
C21374.....	99.0000	EA	1
C21375.....	7.6450	EA	1
C21376.....	6.6387	EA	1
C21377.....	1.4837	EA	1
C21378.....	6.2918	EA	1
C21379.....	99.0000	EA	1
C21380.....	99.0000	EA	1
C21381.....	99.0000	EA	1
C21382.....	4.2930	EA	1
C21383.....	4.2930	EA	1
C21384.....	99.0000	EA	1
C21385.....	99.0000	EA	1
C21386.....	99.0000	EA	1
C21387.....	1.4689	EA	25
C21390.....	1.1485	EA	5
C21391.....	0.7940	EA	5
C21395.....	20.4480	EA	1
C21401.....	14.5347	EA	5
C21403.....	3.7454	EA	1
C21404.....	2.5596	EA	1
C214041.....	15.2717	EA	1
C214042.....	11.5964	EA	1
C214043.....	12.8916	EA	1
C21406.....	3.8796	EA	5
C21407.....	3.8796	EA	5
C21408.....	17.0346	EA	5
C21409.....	17.0346	EA	5
C21410.....	20.0286	EA	5
C21411.....	25.3986	EA	1
C21412.....	39.2805	EA	1
C21413.....	67.7951	EA	1
C21414.....	25.8267	EA	1
C21415.....	41.9684	EA	1
C21416.....	25.8267	EA	1
C21417.....	41.9684	EA	1
C21418.....	26.3671	EA	1
C21419.....	41.9684	EA	1
C21420.....	20.0286	EA	5
C21422.....	3.7000	EA	50
C21423.....	4.2600	EA	5
C21424.....	52.8200	EA	5
C21425.....	58.7200	EA	5
C21426.....	55.1600	EA	5
C21427.....	55.1600	EA	5
C21441.....	2.6182	EA	50
C21442.....	2.6182	EA	50
C21443.....	2.6182	EA	50
C21444.....	2.6182	EA	50
C215170-1.....	8.0664	EA	1
C215170.....	11.5116	EA	12
C21533.....	66.6954	EA	1
C21534.....	109.0965	EA	1
C21535.....	42.8447	EA	1
C21537.....	9.2538	EA	2
C21538.....	13.3984	EA	1
C21539.....	21.4120	EA	1
C21541.....	2.4061	EA	5
C21542.....	2.4059	EA	5
C21543.....	0.7890	EA	10
C21544.....	1.2824	EA	10
C21548.....	16.3452	EA	1
C21549.....	117.2618	EA	1
C21594.....	11.8280	EA	1
C21601.....	7.6051	EA	2
C21602.....	8.7461	EA	2
C21606.....	15.6593	EA	2
C21608.....	9.2326	EA	2
C21610.....	11.7130	EA	2
C21612.....	17.7018	EA	2
C21617.....	77.6219	EA	1
C21624.....	0.6301	EA	15
C21625.....	0.6301	EA	15
C21626.....	0.6301	EA	15
C21627.....	0.6301	EA	15
C21628.....	0.6301	EA	15
C21629.....	0.6301	EA	15
C21636-1.....	26.1963	EA	1
C21640.....	6.2525	EA	1
C21642.....	11.1721	EA	6
C21645.....	6.7684	EA	1
C21646-1.....	27.4725	EA	1
C21646.....	26.4685	EA	6
C21648-1.....	16.5381	EA	1
C21648.....	15.6172	EA	6
C21650-1.....	6.0553	EA	1
C21650.....	5.5999	EA	12
C21652.....	11.8939	EA	1
C21654.....	37.4174	EA	1
C21655.....	32.8287	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C21656.....	5.5935	EA	1
C21658.....	12.0197	EA	1
C21661.....	31.7175	EA	1
C21662.....	5.1785	EA	1
C21672.....	48.1146	EA	1
C21676.....	15.2775	EA	1
C21677.....	12.3384	EA	1
C21678.....	20.2176	EA	1
C21679.....	26.1371	EA	1
C21680.....	16.9810	EA	1
C21681.....	16.9810	EA	1
C21682.....	16.9810	EA	1
C21683.....	16.9810	EA	1
C21684.....	16.9810	EA	1
C21685.....	23.3264	EA	1
C21686.....	23.3264	EA	1
C21687.....	27.4147	EA	1
C21688.....	33.8027	EA	1
C21689.....	36.3579	EA	1
C21690.....	38.9131	EA	1
C21692.....	8.4310	EA	1
C21722.....	3.5298	EA	2
C21723.....	3.5298	EA	2
C21724.....	3.5298	EA	2
C21725.....	3.5298	EA	2
C21726.....	3.5298	EA	2
C21729.....	1.5160	EA	5
C21730.....	1.5160	EA	5
C21731.....	1.5160	EA	5
C21732.....	1.8783	EA	5
C21733.....	1.8783	EA	5
C21743.....	4.4798	EA	2
C21744.....	4.7448	EA	1
C21745.....	10.7924	EA	1
C21746.....	10.7924	EA	1
C21747.....	10.7924	EA	1
C21748.....	10.7924	EA	1
C21749.....	10.7924	EA	1
C21756.....	0.9713	EA	25
C21791.....	1.0422	EA	50
C21792.....	0.9868	EA	10
C21793.....	1.0752	EA	10
C21797.....	1.0130	EA	10
C21810.....	0.7068	EA	10
C21836.....	0.3359	EA	25
C21837.....	0.3699	EA	25
C21843.....	0.3665	EA	25
C21844.....	0.4458	EA	15
C21845.....	0.6494	EA	15
C21846.....	0.5536	EA	25
C21847.....	0.7130	EA	15
C21848.....	0.8531	EA	15
C21849.....	0.8775	EA	15
C21850.....	0.9403	EA	15
C21851.....	1.0180	EA	15
C21852.....	1.5359	EA	10
C21853.....	1.7649	EA	5
C21854.....	1.9456	EA	5
C21855.....	2.6465	EA	5
C21856.....	3.2297	EA	5
C21866.....	0.3276	EA	25
C21869.....	0.5330	EA	15
C21880.....	3.3284	EA	5
C21881.....	3.3284	EA	5
C21882.....	3.2966	EA	5
C21883.....	3.7948	EA	5
C21884.....	3.7948	EA	5
C21885.....	3.7630	EA	5
C21886.....	4.0386	EA	5
C21887.....	4.0386	EA	5
C21888.....	4.0174	EA	5
C21889B.....	79.0124	EA	1
C21890B.....	12.2143	EA	1
C21899.....	0.9434	EA	5
C21900.....	1.4416	EA	5
C21901.....	1.4416	EA	5
C21902.....	2.3533	EA	5
C21903.....	2.3533	EA	5
C21906.....	0.2173	EA	5
C21912-1.....	3.5299	EA	1
C21912.....	3.4323	EA	12
C21913.....	9.1251	EA	4
C21914.....	46.9634	EA	1
C21915-1.....	3.9437	EA	1
C21915.....	3.8229	EA	12
C21918-1.....	3.8787	EA	1
C21918.....	3.8787	EA	12
C21919.....	14.5379	EA	4
C21921-1.....	4.2111	EA	1
C21921.....	4.0741	EA	12
C21922.....	13.7766	EA	4
C21924-1.....	12.8478	EA	1
C21924.....	12.4616	EA	12
C21925-1.....	2.7626	EA	1
C21925.....	2.6788	EA	12
C21926.....	9.2538	EA	4
C21927.....	51.3073	EA	1
C21928-1.....	4.3157	EA	1
C21928.....	4.1857	EA	12
C21929.....	16.0578	EA	4
C21930.....	98.8586	EA	1
C21931-1.....	4.0553	EA	1
C21931.....	4.0553	EA	12
C21932.....	10.4583	EA	4
C21933.....	54.5965	EA	1
C21934-1.....	3.8229	EA	1
C21934.....	3.8229	EA	12
C21935.....	14.9410	EA	4
C21936.....	116.3552	EA	1
C21937-1.....	3.7392	EA	1
C21937.....	3.8508	EA	12
C21938.....	9.6214	EA	4
C21939.....	52.0687	EA	1
C21940-1.....	7.3835	EA	1
C21940.....	7.1715	EA	12
C21941.....	24.1164	EA	4
C21942.....	107.7308	EA	1
C21943-1.....	8.0147	EA	1
C21943.....	6.3692	EA	12
C21944-1.....	4.5716	EA	1
C21944.....	5.2470	EA	12
C21945-1.....	5.9018	EA	1
C21945.....	5.7204	EA	12
C21946.....	13.2285	EA	4
C21947.....	54.5965	EA	1
C21949.....	52.6930	EA	1
C21950.....	12.0336	EA	1
C21952.....	52.0988	EA	1
C21967.....	5.0539	EA	5
C21971.....	6.8618	EA	5
C21976.....	0.9769	EA	15
C21977.....	1.0205	EA	15
C21978.....	1.2206	EA	15
C21986.....	77.8888	EA	1
C2200000.....	1006.4806	EA	1
C22014-1.....	0.1760	EA	10
C22014.....	0.2090	EA	50
C22057.....	4.1468	EA	1
C22084.....	4.7395	EA	1
C22085.....	5.1505	EA	1
C22087.....	2.4486	EA	10
C22095.....	0.4520	EA	10
C22115.....	0.0430	EA	50
C22118.....	0.0515	EA	50
C22124.....	0.0739	EA	50
C22126.....	0.0851	EA	50
C22128.....	0.0932	EA	50
C22129.....	0.1060	EA	50
C22130.....	0.1060	EA	50
C22132.....	0.0706	EA	50
C22136.....	0.0805	EA	50
C22137.....	0.0921	EA	50
C22138.....	0.0921	EA	50
C22153.....	13.5016	EA	1
C22216.....	0.1181	EA	25
C22218.....	1.7584	EA	25
C22219.....	0.2404	EA	25
C22220.....	0.0868	EA	25
C22221.....	0.8559	EA	25
C22231.....	0.4635	EA	25
C22232.....	0.1305	EA	25
C22233.....	0.2977	EA	25
C22234.....	0.0882	EA	25
C22237.....	0.2324	EA	25
C223701-1.....	8.7925	EA	1
C223701.....	10.1018	EA	12
C224100.....	79.1601	EA	1
C224102.....	90.9641	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C224120.....	103.0567	EA	1
C22457.....	19.1224	RL	1
C22463.....	34.6636	EA	1
C22509.....	25.4151	EA	1
C22633.....	0.0396	EA	100
C22634.....	0.0447	EA	100
C22635.....	0.0477	EA	100
C22636.....	0.0400	EA	100
C22637.....	0.0520	EA	100
C22638.....	0.0548	EA	100
C22639.....	0.0605	EA	50
C22640.....	0.0610	EA	50
C22641.....	0.0580	EA	50
C22642.....	0.0608	EA	50
C22643.....	0.0533	EA	100
C22644.....	0.0594	EA	100
C22645.....	0.0713	EA	50
C22646.....	0.0754	EA	50
C22647.....	0.0743	EA	50
C22648.....	0.0660	EA	50
C22651.....	0.0605	EA	50
C22653.....	0.0673	EA	50
C22655.....	0.0754	EA	50
C22657.....	0.0535	EA	100
C22658.....	0.0578	EA	100
C22659.....	0.0646	EA	100
C22660.....	0.0713	EA	50
C22734.....	0.0138	EA	100
C22743.....	0.4024	EA	25
C22751.....	0.4870	EA	25
C22753.....	0.6423	EA	25
C22760.....	0.0184	EA	100
C22770.....	0.0615	EA	50
C22951.....	9.6729	EA	1
C22993.....	0.0633	EA	100
C230403.....	7.4772	EA	1
C230600.....	6.7082	EA	1
C230601.....	10.6165	EA	1
C23068.....	39.0901	EA	1
C230904-1.....	4.5994	EA	1
C230905-1.....	7.4554	EA	1
C230905.....	7.4554	EA	12
C230907-1.....	5.4154	EA	1
C230907.....	5.4154	EA	12
C23120.....	2.3287	EA	5
C23122.....	1.7970	EA	5
C23176.....	0.0704	EA	50
C23181.....	1.0695	EA	8
C231901-1.....	4.8590	EA	1
C231901.....	4.8590	EA	12
C23217.....	0.0350	EA	100
C23220.....	0.0295	EA	100
C232401.....	14.9959	EA	1
C23242.....	0.0719	EA	25
C23245.....	0.0744	EA	25
C23246.....	0.0787	EA	25
C23278.....	8.2507	EA	1
C23356.....	0.5951	EA	25
C23382.....	0.1840	EA	60
C234743.....	6.3069	EA	1
C23496.....	0.5592	EA	10
C23500.....	0.3455	EA	25
C23502.....	0.7974	EA	10
C23503.....	1.9233	EA	10
C23535.....	0.5411	EA	12
C23553.....	2.4665	EA	5
C235900-1.....	5.6750	EA	1
C235900.....	5.6750	EA	12
C235902-1.....	6.1201	EA	1
C235902.....	6.1201	EA	12
C23672.....	0.8143	EA	10
C236806.....	10.7413	EA	1
C236807.....	28.1432	EA	1
C23682.....	3.9547	EA	5
C23685.....	0.2700	EA	50
C23686.....	0.3006	EA	50
C23687.....	0.4583	EA	50
C23688.....	0.8322	EA	25
C23689.....	1.2925	EA	25
C23690.....	1.9738	EA	10
C236904-1.....	4.4881	EA	1
C236904.....	4.4881	EA	12
C23700.....	1.7457	EA	10
C23702.....	0.6405	EA	10
C23703.....	1.1807	EA	10
C23704.....	1.7457	EA	10
C23706.....	3.8905	EA	5
C23707.....	5.1702	EA	5
C23708.....	3.0209	EA	5
C23709.....	11.8186	EA	1
C23710.....	1.0204	EA	10
C23711.....	1.0950	EA	10
C23713.....	3.9671	EA	5
C23714.....	0.6561	EA	10
C23715.....	1.0539	EA	10
C23716.....	1.0815	EA	10
C23720.....	4.0549	EA	3
C23721.....	4.0549	EA	3
C23722.....	5.9425	EA	3
C23727.....	11.2996	EA	1
C23746.....	8.9464	EA	1
C23749.....	8.9528	EA	1
C23750.....	8.6334	EA	1
C23752.....	4.6852	EA	1
C23753.....	4.6852	EA	1
C23754.....	5.0138	EA	1
C23755.....	7.8440	EA	1
C23756.....	16.9706	EA	1
C23757.....	6.2010	EA	1
C23758.....	5.1728	EA	1
C23759.....	8.8510	EA	1
C23760.....	7.0596	EA	1
C23761.....	6.4872	EA	1
C23762.....	7.8228	EA	1
C23763.....	7.8228	EA	1
C23764.....	8.0405	EA	1
C23765.....	8.7611	EA	1
C23766.....	8.8086	EA	1
C23768.....	12.0055	EA	1
C23801.....	43.0800	EA	1
C23804.....	13.6162	EA	1
C23805.....	12.0055	EA	1
C23806.....	12.0055	EA	1
C23807.....	6.6568	EA	1
C23808.....	14.7446	EA	1
C23809.....	13.1122	EA	1
C23817.....	1.5756	EA	10
C23818.....	1.1417	EA	10
C23819.....	1.1417	EA	10
C23823.....	1.2502	EA	10
C23826.....	2.1181	EA	10
C23829.....	1.4671	EA	10
C23840.....	26.4576	EA	1
C23842.....	1.5606	EA	5
C23844.....	1.8138	EA	5
C23848.....	1.8138	EA	5
C23849.....	1.8138	EA	5
C23850.....	1.9946	EA	5
C23851.....	1.1267	EA	5
C23857.....	18.8262	EA	1
C23869.....	30.7168	EA	1
C23870.....	27.9970	EA	1
C23884.....	3.4223	EA	5
C23888-1.....	3.2411	EA	1
C23888.....	3.2411	EA	6
C23891.....	103.8019	EA	1
C23895.....	13.7816	EA	1
C23896.....	17.7046	EA	1
C23897.....	9.8449	EA	1
C23898.....	13.7800	EA	1
C23899.....	12.1529	EA	1
C23901-1.....	15.2753	EA	1
C23901.....	13.9296	EA	12
C23902.....	11.5316	EA	1
C23904.....	6.1904	EA	1
C23905.....	5.9042	EA	1
C23906-1.....	19.5337	EA	1
C23906.....	19.1121	EA	4
C23907.....	5.0068	EA	1
C23908.....	3.5037	EA	1
C23917.....	4.5427	EA	5
C23928.....	1.2308	EA	10
C23930.....	1.6218	EA	10
C23931.....	21.3590	EA	1
C23932.....	0.8162	EA	10
C23934.....	0.3570	EA	50
C23935.....	0.3714	EA	50
C23936.....	0.3790	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C239369.....	25.8347	EA	1
C23937.....	0.4219	EA	50
C23938-4000.....	0.1044	EA	4000
C23938.....	0.3404	EA	50
C23939.....	0.3148	EA	50
C23940-2000.....	0.1512	EA	2000
C23940.....	0.3209	EA	50
C23941.....	0.4144	EA	50
C23942.....	0.3624	EA	50
C23943.....	0.3758	EA	50
C23944.....	0.4782	EA	50
C23945.....	0.0956	EA	50
C23946.....	0.1452	EA	50
C23947-1000.....	0.0579	EA	1000
C23947.....	0.1087	EA	50
C23948-1000.....	0.0814	EA	1000
C23948.....	0.1541	EA	50
C23949.....	0.2035	EA	50
C23950.....	0.3833	EA	50
C23951-3000.....	0.0936	EA	3000
C23951.....	0.2338	EA	50
C23952.....	0.3112	EA	50
C23953-1500.....	0.1279	EA	1500
C23953.....	0.3030	EA	50
C23954-1000.....	0.1440	EA	1000
C23954.....	0.2745	EA	50
C23955.....	0.3742	EA	50
C23956.....	0.5707	EA	50
C23957-1500.....	0.1440	EA	1500
C23957.....	0.2375	EA	50
C23958-1000.....	0.1440	EA	1000
C23958.....	0.2745	EA	50
C23970.....	0.8961	EA	100
C23971.....	1.0257	EA	100
C23972.....	1.1045	EA	100
C23979.....	27.9494	EA	1
C23980.....	28.0323	EA	1
C23981.....	27.9494	EA	1
C23982.....	27.9494	EA	1
C23983.....	27.9494	EA	1
C23984.....	32.0920	EA	1
C23985.....	38.0898	EA	1
C23986.....	38.0898	EA	1
C23987.....	38.0898	EA	1
C23988.....	38.0898	EA	1
C23989.....	38.0898	EA	1
C23990.....	43.7319	EA	1
C23991.....	1.0398	EA	10
C23992.....	1.7454	EA	5
C23993.....	0.6427	EA	25
C23994.....	0.3710	EA	25
C23995.....	0.1808	EA	50
C23996.....	0.2734	EA	50
C23997.....	0.2954	EA	50
C24000.....	0.0994	EA	100
C240000-1.....	4.9797	EA	1
C240000.....	4.7795	EA	12
C240001-1.....	12.6901	EA	1
C240001.....	12.6934	EA	6
C24001.....	0.2779	EA	100
C240010-1.....	4.2692	EA	1
C240010.....	4.2692	EA	12
C240011-1.....	12.4795	EA	1
C240011.....	12.4795	EA	6
C24002.....	0.2240	EA	100
C24004.....	0.1033	EA	100
C24005.....	0.1577	EA	100
C24006.....	0.2951	EA	100
C24007.....	0.7047	EA	25
C240100-1.....	4.5480	EA	1
C240100.....	4.5480	EA	12
C240101-1.....	13.3210	EA	1
C240101.....	13.3210	EA	6
C240110-1.....	4.5164	EA	1
C240110.....	4.5212	EA	12
C240111-1.....	12.8708	EA	1
C240111.....	12.8706	EA	6
C24015.....	0.0635	EA	100
C24016.....	0.0507	EA	100
C24017.....	0.0550	EA	100
C24018.....	0.0638	EA	100
C24019.....	0.0691	EA	100
C24020.....	0.1116	EA	100
C24021.....	0.0761	EA	100
C24022.....	0.0750	EA	100
C24023.....	0.1005	EA	100
C24024.....	0.0761	EA	100
C24025.....	0.0805	EA	100
C24026.....	0.0877	EA	100
C24027.....	0.0849	EA	50
C24028.....	0.1113	EA	50
C24029.....	0.1258	EA	50
C24043.....	8.1196	EA	25
C24044.....	8.4164	EA	25
C24045.....	8.8298	EA	25
C24046.....	15.8163	EA	25
C24047.....	48.9883	EA	1
C24047B.....	48.9883	EA	1
C240501.....	23.2816	EA	1
C24057.....	63.8798	EA	1
C24065.....	6.9218	EA	1
C24070.....	6.0871	EA	1
C24081.....	5.6180	EA	1
C24082.....	7.3388	EA	1
C241500.....	23.1957	EA	2
C241800-1.....	8.5976	EA	1
C241800.....	7.8126	EA	12
C241903-1.....	9.4531	EA	1
C241903.....	9.4531	EA	12
C242200.....	260.9071	EA	1
C242201.....	445.4747	EA	1
C242202.....	410.3868	EA	1
C242300.....	169.7214	EA	1
C242500.....	60.0175	EA	1
C242501.....	41.0714	EA	1
C242502.....	43.5724	EA	1
C24275.....	0.2447	EA	100
C24276.....	0.3276	EA	100
C24280.....	0.2165	EA	25
C242902-1.....	4.8278	EA	1
C242902.....	4.8278	EA	12
C24301.....	0.6833	EA	25
C24347.....	4.2263	EA	5
C243900-1.....	6.7522	EA	1
C243900.....	5.4693	EA	12
C243901-1.....	4.4902	EA	1
C243901.....	4.4902	EA	12
C24408.....	5.2463	EA	1
C24409.....	5.2463	EA	1
C24410-1.....	9.5511	EA	1
C24410.....	9.5540	EA	12
C24411-1.....	6.6729	EA	1
C24411.....	6.2677	EA	12
C24416.....	2.3377	EA	10
C24441.....	0.5725	EA	25
C24442.....	0.5762	EA	25
C24443.....	0.5852	EA	25
C24444.....	0.6128	EA	25
C24445.....	0.7064	EA	25
C24446.....	0.7428	EA	25
C24447.....	0.8413	EA	25
C24448.....	0.9204	EA	25
C24449.....	0.9112	EA	25
C24450.....	1.1008	EA	25
C24451.....	1.3005	EA	25
C24452.....	1.3208	EA	25
C24453.....	0.5145	EA	25
C24454.....	0.5182	EA	25
C24456.....	0.5734	EA	25
C24457.....	0.6526	EA	25
C24458.....	0.7032	EA	25
C24460.....	0.8284	EA	25
C24463.....	1.1699	EA	25
C24464.....	1.1883	EA	25
C24465.....	1.3033	EA	25
C24466.....	1.3972	EA	25
C24467.....	1.5079	EA	25
C24468.....	1.6008	EA	25
C24474.....	1.0115	EA	25
C24478.....	1.3327	EA	25
C24481.....	1.6539	EA	25
C24482.....	1.8037	EA	25
C24483.....	2.8304	EA	25
C24484.....	2.0772	EA	25
C24485.....	2.1667	EA	25
C24514.....	0.4631	EA	25
C24532.....	1.1000	EA	10
C24560.....	3.1871	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C24561.....	3.2224	EA	5
C24586.....	0.6520	EA	25
C24656.....	0.1250	EA	50
C24657.....	0.1800	EA	50
C24658.....	0.2200	EA	25
C24659.....	0.2740	EA	25
C24660.....	0.0478	EA	10
C24676.....	0.1666	EA	100
C24677.....	0.1479	EA	50
C246901-1.....	6.6172	EA	1
C246901.....	6.6172	EA	6
C24697.....	0.5135	EA	10
C24703.....	0.1105	EA	100
C24704.....	0.1691	EA	100
C24705.....	0.2112	EA	100
C24706.....	0.3164	EA	100
C24707.....	0.2875	EA	50
C24708.....	0.6122	EA	50
C24709.....	0.7665	EA	25
C24712.....	16.0404	EA	2
C24714.....	12.6737	EA	2
C24715.....	14.0944	EA	2
C24717.....	11.5733	EA	2
C24718.....	12.0046	EA	2
C24719.....	18.4103	EA	1
C24720.....	28.0933	EA	1
C24721.....	19.3595	EA	1
C24722.....	24.4145	EA	1
C24724.....	12.3662	EA	2
C24728.....	15.0353	EA	1
C24729.....	27.0398	EA	1
C24730.....	17.7216	EA	1
C24731.....	22.9074	EA	1
C24740.....	2.0133	EA	5
C24742.....	2.7125	EA	2
C24743.....	1.0041	EA	5
C24744.....	0.8022	EA	5
C24745.....	0.9900	EA	5
C24746.....	1.2460	EA	5
C24747.....	2.4768	EA	2
C24754.....	15.7289	EA	1
C24755.....	16.5696	EA	1
C24759.....	37.9034	EA	1
C24771.....	12.3596	EA	1
C24785.....	111.1198	EA	1
C24789-1.....	4.0483	EA	1
C24789.....	4.0483	EA	12
C24790-1.....	4.2947	EA	1
C24790.....	4.2479	EA	12
C24791.....	4.0483	EA	12
C24792-1.....	4.2947	EA	1
C24792.....	4.2243	EA	12
C24793-1.....	5.3156	EA	1
C24793.....	5.3156	EA	12
C24794-1.....	4.6115	EA	1
C24794.....	4.6115	EA	12
C24795-1.....	5.3860	EA	1
C24795.....	5.3860	EA	12
C24796-1.....	5.1748	EA	1
C24796.....	5.1748	EA	12
C24797-1.....	5.6324	EA	1
C24797.....	5.6324	EA	12
C24798-1.....	5.6324	EA	1
C24798.....	5.6324	EA	12
C24799-1.....	5.6324	EA	1
C24799.....	5.6324	EA	12
C24800.....	5.6324	EA	12
C24801-1.....	5.6324	EA	1
C24801.....	4.1128	EA	12
C24802-1.....	4.9988	EA	1
C24802.....	4.9988	EA	12
C24803-1.....	6.3013	EA	1
C24803.....	6.3013	EA	12
C24804-1.....	6.3717	EA	1
C24804.....	6.6188	EA	12
C24805-1.....	5.8436	EA	1
C24805.....	5.9140	EA	12
C24806-1.....	5.8436	EA	1
C24806.....	5.8436	EA	12
C24807.....	7.7094	EA	12
C24808-1.....	6.1605	EA	1
C24808.....	6.1605	EA	12
C24809-1.....	8.0262	EA	1
C24809.....	8.0262	EA	12
C24810-1.....	8.0262	EA	1
C24810.....	8.0262	EA	12
C24811-1.....	7.8854	EA	1
C24811.....	7.8854	EA	12
C24812-1.....	8.5542	EA	1
C24812.....	8.4486	EA	12
C24813-1.....	6.8997	EA	1
C24813.....	6.8997	EA	12
C24814-1.....	8.4486	EA	1
C24814.....	8.4486	EA	12
C24815.....	8.0966	EA	12
C24816-1.....	6.3717	EA	1
C24816.....	6.3717	EA	12
C24817.....	5.8830	EA	12
C24818-1.....	6.3717	EA	1
C24818.....	6.2752	EA	12
C24819-1.....	6.3717	EA	1
C24819.....	6.3717	EA	12
C24820-1.....	6.8997	EA	1
C24820.....	6.8997	EA	12
C24821-1.....	6.8997	EA	1
C24821.....	6.2752	EA	12
C24822-1.....	5.7732	EA	1
C24822.....	5.3212	EA	12
C24823-1.....	4.6467	EA	1
C24823.....	4.6467	EA	12
C24824.....	5.3508	EA	12
C24825.....	5.3508	EA	12
C24826-1.....	4.6467	EA	1
C24826.....	3.2966	EA	12
C24827-1.....	4.2947	EA	1
C24827.....	3.2966	EA	12
C24828.....	5.5620	EA	12
C24829-1.....	4.5411	EA	1
C24829.....	3.2966	EA	12
C24830-1.....	4.7171	EA	1
C24830.....	4.7171	EA	12
C24831.....	4.8157	EA	12
C24832-1.....	5.6324	EA	1
C24832.....	3.2966	EA	12
C24833-1.....	4.8228	EA	1
C24833.....	4.8228	EA	12
C24834-1.....	4.7171	EA	1
C24834.....	4.5411	EA	12
C24835-1.....	4.9284	EA	1
C24835.....	4.9284	EA	12
C24836.....	5.5268	EA	12
C24837-1.....	4.7171	EA	1
C24837.....	4.8124	EA	12
C24838.....	5.9148	EA	12
C24839.....	5.5268	EA	12
C24840-1.....	8.8007	EA	1
C24840.....	6.4342	EA	12
C24841-1.....	10.8072	EA	1
C24841.....	6.9112	EA	12
C24842-1.....	10.8072	EA	1
C24842.....	10.8072	EA	12
C24843-1.....	5.3156	EA	1
C24843.....	5.3156	EA	12
C24844.....	5.3156	EA	12
C24845-1.....	5.6676	EA	1
C24845.....	5.6676	EA	12
C24846.....	6.6356	EA	12
C24847-1.....	6.2309	EA	1
C24847.....	7.6532	EA	12
C24848.....	7.6532	EA	12
C24849-1.....	5.9844	EA	1
C24849.....	3.9008	EA	12
C24850-1.....	6.3365	EA	1
C24850.....	5.4484	EA	12
C24851-1.....	6.6181	EA	1
C24851.....	6.6181	EA	12
C24852-1.....	6.6181	EA	1
C24852.....	6.6181	EA	12
C24853-1.....	5.9844	EA	1
C24853.....	8.4482	EA	12
C24854-1.....	6.6885	EA	1
C24854.....	6.6885	EA	12
C24855-1.....	7.0757	EA	1
C24855.....	5.2894	EA	12
C24856-1.....	7.2869	EA	1
C24856.....	5.2894	EA	12
C24857-1.....	7.2869	EA	1
C24857.....	5.1834	EA	12

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C24858-1.....	7.1461	EA	1
C24858.....	5.3636	EA	12
C24859-1.....	7.1461	EA	1
C24859.....	6.9349	EA	12
C24860-1.....	7.1461	EA	1
C24860.....	7.1461	EA	12
C24861-1.....	7.1461	EA	1
C24861.....	4.3036	EA	12
C24862.....	99.2690	EA	1
C24863.....	32.0862	EA	1
C24864.....	30.4054	EA	1
C24865.....	27.8090	EA	1
C24903.....	18.1934	EA	2
C24911.....	9.3137	EA	2
C24951.....	12.8566	EA	2
C24952.....	29.5290	EA	1
C24953.....	37.6217	EA	1
C24958.....	1.0572	EA	1
C24962.....	18.9940	EA	2
C24967.....	31.3186	EA	1
C24968.....	24.3825	EA	1
C24969.....	33.5776	EA	1
C24970.....	30.0197	EA	1
C24971.....	66.4525	EA	1
C24972.....	57.8288	EA	1
C24975.....	34.2613	EA	1
C24976.....	47.1801	EA	1
C24977.....	68.9747	EA	1
C24978.....	33.5005	EA	1
C24979.....	44.3028	EA	1
C24985.....	25.9858	EA	1
C24986.....	29.3501	EA	1
C24987.....	44.2128	EA	1
C24988.....	63.8445	EA	1
C24989.....	75.2712	EA	1
C24990.....	29.6357	EA	1
C24991.....	33.2055	EA	1
C24992.....	41.0413	EA	1
C24993.....	51.8638	EA	1
C25002.....	680.8845	EA	1
C25003.....	1166.5487	EA	1
C25004.....	1890.2319	EA	1
C25005.....	2770.4207	EA	1
C25006.....	3219.5980	EA	1
C25007.....	4169.1895	EA	1
C25008.....	134.8426	EA	1
C25009.....	148.0502	EA	1
C25010.....	112.5816	EA	1
C250200.....	71.2506	EA	1
C25023.....	6.3855	EA	1
C25024.....	6.2742	EA	1
C25025.....	6.2742	EA	1
C25026.....	23.7443	EA	1
C25027.....	23.7427	EA	1
C25028.....	23.7443	EA	1
C25029.....	7.0531	EA	1
C25030.....	0.7449	EA	5
C250300.....	112.0934	EA	1
C25031.....	0.7449	EA	5
C25032.....	0.4028	EA	10
C25033.....	0.4028	EA	10
C25034.....	16.2333	EA	1
C25035.....	37.6520	EA	1
C25036.....	1.1100	EA	20
C25037.....	339.0986	EA	1
C250400.....	196.7784	EA	1
C25041.....	0.1445	EA	100
C25041BLK.....	0.0762	EA	100
C25042.....	0.1990	EA	100
C25042BLK.....	0.0940	EA	100
C25043.....	0.1646	EA	100
C250500.....	301.4926	EA	1
C25055.....	3.2112	EA	1
C250606-1.....	5.5639	EA	1
C250606.....	5.3289	EA	12
C25101.....	12.9108	EA	1
C25102.....	12.9108	EA	1
C25103.....	12.9108	EA	1
C25104.....	12.9108	EA	1
C25105.....	12.9108	EA	1
C25106.....	12.9108	EA	1
C25107.....	12.9108	EA	1
C25108.....	12.9108	EA	1
C25109.....	12.9108	EA	1
C25110.....	12.9108	EA	1
C25111.....	12.9108	EA	1
C25112.....	12.9108	EA	1
C25113.....	12.9108	EA	1
C25114.....	12.9108	EA	1
C25115.....	12.9108	EA	1
C25118.....	0.5165	EA	50
C25119.....	0.4370	EA	50
C25120.....	0.4370	EA	50
C25121.....	0.4370	EA	50
C25122.....	0.4363	EA	50
C25123.....	0.4437	EA	50
C25124.....	0.4510	EA	50
C25125.....	0.4144	EA	50
C25127.....	0.4246	EA	50
C25128.....	0.5025	EA	50
C25130.....	0.4039	EA	50
C25133.....	0.5936	EA	5
C25134.....	0.5936	EA	5
C25135.....	0.5936	EA	5
C25136.....	0.5936	EA	5
C25137.....	0.5936	EA	5
C25138.....	0.5936	EA	5
C25139.....	0.5936	EA	5
C25140.....	0.5936	EA	5
C25142.....	0.5936	EA	5
C25143.....	0.5936	EA	5
C25145.....	0.5936	EA	5
C25147.....	10.6530	EA	5
C25149.....	320.2790	EA	1
C25151.....	1.3992	EA	5
C25152.....	1.3992	EA	5
C25153.....	0.4437	EA	50
C25155.....	0.4827	EA	50
C25156.....	1.4416	EA	5
C25157.....	0.3965	EA	50
C25159.....	0.4177	EA	50
C25160.....	0.4635	EA	50
C25161.....	0.4039	EA	50
C25163.....	0.5032	EA	50
C25164.....	0.5025	EA	50
C25167.....	1.0319	EA	50
C25168.....	1.3051	EA	50
C25169.....	1.4628	EA	50
C251710-1.....	8.7809	EA	1
C251710.....	8.4966	EA	12
C25173.....	1.3992	EA	5
C25179.....	1.0812	EA	5
C251810-1.....	4.0851	EA	1
C251810.....	4.0851	EA	12
C251811-1.....	6.0095	EA	1
C251811.....	5.3342	EA	12
C251905-1.....	3.8227	EA	1
C251905.....	3.8227	EA	12
C251908-1.....	3.5483	EA	1
C251908.....	3.5483	EA	12
C25191.....	1.0812	EA	5
C25192.....	1.3992	EA	5
C25193.....	0.8480	EA	5
C25194.....	1.3992	EA	5
C25197.....	1.0306	EA	50
C25198.....	1.3142	EA	50
C25199.....	0.9502	EA	50
C25201.....	0.1793	EA	50
C25202.....	0.1697	EA	50
C25203.....	0.1413	EA	50
C25204.....	0.1315	EA	50
C25205.....	0.2308	EA	50
C25206.....	0.1840	EA	50
C25207.....	0.2072	EA	50
C25208.....	0.2110	EA	50
C25209.....	0.1892	EA	50
C25210.....	0.6825	EA	50
C25211.....	0.2043	EA	50
C25212.....	0.1505	EA	50
C25213.....	0.2464	EA	50
C25214.....	0.1632	EA	50
C25215.....	0.1641	EA	50
C25216.....	0.1534	EA	50
C25217.....	0.1755	EA	50
C25218.....	0.1511	EA	50
C25219.....	0.1597	EA	50
C25220.....	0.1679	EA	50
C25221.....	0.2720	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C25222.....	0.2140	EA	50
C25223.....	0.1675	EA	50
C25224.....	0.2720	EA	50
C25225.....	0.1688	EA	50
C25226.....	0.1724	EA	50
C25227.....	0.2073	EA	50
C25228.....	0.1804	EA	50
C25229.....	0.1865	EA	50
C25230.....	0.2129	EA	50
C25231.....	0.1430	EA	50
C25232.....	0.2763	EA	50
C25233.....	0.1918	EA	50
C25234.....	0.1402	EA	50
C25235.....	0.2041	EA	50
C25236.....	0.1770	EA	50
C25237.....	0.1834	EA	50
C25238.....	0.1822	EA	50
C25239.....	0.1782	EA	50
C25240.....	0.2763	EA	50
C25241.....	0.2005	EA	50
C25242.....	0.1792	EA	50
C25243.....	0.1692	EA	50
C25258.....	1.3860	EA	50
C25259.....	1.5329	EA	50
C25260.....	1.0576	EA	50
C25261.....	1.3992	EA	5
C25262.....	0.5208	EA	50
C25264.....	0.3454	EA	50
C25265.....	0.5178	EA	50
C25266.....	0.5189	EA	50
C25267.....	0.4451	EA	50
C25268.....	0.4451	EA	50
C25269.....	0.5197	EA	50
C25270.....	0.5197	EA	50
C25271.....	0.5250	EA	50
C25272.....	0.5197	EA	50
C25273.....	0.5165	EA	50
C25274.....	0.5342	EA	50
C25275.....	0.5342	EA	50
C25276.....	0.5342	EA	50
C25277.....	0.5165	EA	50
C25278.....	0.5342	EA	50
C25279.....	0.5342	EA	50
C25280.....	0.5250	EA	50
C25281.....	0.5165	EA	50
C25283.....	0.6002	EA	50
C25284.....	0.5032	EA	50
C25285.....	0.5827	EA	50
C25286.....	0.5915	EA	50
C25287.....	0.5821	EA	50
C25288.....	0.4451	EA	50
C25289.....	0.4304	EA	50
C25290.....	0.4369	EA	50
C25292.....	0.4246	EA	50
C25293.....	0.4791	EA	50
C25294.....	0.4220	EA	50
C25295.....	0.4577	EA	50
C25296.....	0.4588	EA	50
C25297.....	0.5032	EA	50
C25298.....	0.5090	EA	50
C25299.....	0.4582	EA	50
C25300.....	0.4794	EA	50
C25301.....	1.4827	EA	50
C25302.....	1.3992	EA	5
C25303.....	1.4310	EA	10
C25304.....	1.2104	EA	10
C25305.....	0.6042	EA	5
C25306.....	0.6042	EA	5
C25310.....	0.4451	EA	50
C25311.....	0.4794	EA	50
C25312.....	1.3992	EA	5
C25313.....	0.5936	EA	5
C25314.....	1.4827	EA	50
C25315.....	1.3992	EA	5
C25316.....	1.1543	EA	5
C25317.....	1.0814	EA	50
C25318.....	0.8680	EA	5
C25320.....	0.5529	EA	50
C25321.....	0.4171	EA	50
C25322.....	0.5936	EA	5
C25323.....	9.0998	EA	1
C25328.....	0.4956	EA	5
C25329.....	0.5936	EA	5
C25332.....	0.5243	EA	50
C25333.....	0.5947	EA	5
C25338.....	0.5342	EA	50
C25339.....	0.5936	EA	5
C25351.....	0.5342	EA	50
C25352.....	0.5250	EA	50
C25354.....	0.5334	EA	50
C25355.....	0.5936	EA	5
C25356.....	0.6038	EA	5
C25358.....	0.5936	EA	5
C25359.....	0.4105	EA	50
C25360.....	0.5936	EA	5
C25382.....	0.7322	EA	50
C25384.....	0.7322	EA	50
C25387.....	1.2093	EA	5
C25388.....	1.7986	EA	5
C25389.....	1.7986	EA	5
C25390.....	259.9862	EA	1
C25391.....	0.5213	EA	5
C25392.....	0.6351	EA	5
C25393.....	0.1269	EA	20
C25394.....	0.5973	EA	5
C25395.....	4.7440	EA	2
C25396.....	1.7986	EA	5
C25397.....	4.7007	EA	2
C25398.....	4.7007	EA	2
C25399.....	4.7007	EA	2
C25400.....	1.8666	EA	5
C25403.....	4.9517	EA	10
C25404.....	4.9646	EA	10
C25405.....	255.0360	EA	1
C25406.....	1.7986	EA	5
C25407.....	1.7986	EA	5
C25408.....	1.8159	EA	5
C25409.....	1.7986	EA	5
C25410.....	2.1749	EA	20
C25411.....	0.1199	EA	25
C25412.....	0.1206	EA	25
C25413.....	0.1056	EA	50
C25414.....	1.4201	EA	50
C25415.....	1.4128	EA	50
C25416.....	0.5368	EA	50
C25417.....	0.4697	EA	20
C25418.....	0.4450	EA	50
C25419.....	0.5515	EA	50
C25420.....	5.7880	EA	5
C25421.....	0.0982	EA	100
C25422.....	0.0977	EA	100
C25423.....	0.0979	EA	100
C25424.....	0.0984	EA	100
C25425.....	0.0993	EA	100
C25426.....	0.1662	EA	100
C25427.....	0.0982	EA	100
C25428.....	0.0984	EA	100
C25429.....	0.0954	EA	100
C25430.....	0.0929	EA	100
C25431.....	0.0984	EA	100
C25432.....	0.1002	EA	100
C25435.....	0.0938	EA	100
C25436.....	0.0984	EA	100
C25437.....	0.0988	EA	100
C25438.....	0.0984	EA	100
C25439.....	0.0984	EA	100
C25440.....	0.1036	EA	100
C25441.....	0.0938	EA	100
C25443.....	0.7470	EA	50
C25444.....	0.4536	EA	50
C25445.....	0.7470	EA	50
C25446.....	0.7414	EA	50
C25447.....	0.7470	EA	50
C25448.....	0.7470	EA	50
C25449.....	0.7425	EA	50
C25450.....	0.7425	EA	50
C25454.....	1.0812	EA	5
C25455.....	0.5936	EA	10
C25456.....	1.0812	EA	5
C25457.....	1.0070	EA	5
C25458.....	1.0070	EA	5
C25459.....	1.0070	EA	5
C25460.....	1.0070	EA	5
C25461.....	1.0812	EA	5
C25463.....	1.0120	EA	50
C25464.....	1.3051	EA	50
C25465.....	0.6818	EA	50
C25466.....	1.3142	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C25467	1.3992	EA	5
C25468	1.3992	EA	5
C25469	0.7236	EA	10
C25470	1.3992	EA	5
C25471	1.1794	EA	50
C25472	1.2345	EA	5
C25473	1.0374	EA	50
C25474	1.0934	EA	5
C25475	1.3051	EA	50
C25476	1.3992	EA	5
C25478	1.0070	EA	5
C25479	1.0070	EA	5
C25480	640.8779	EA	1
C25481	54.3250	EA	1
C25482	13.8648	EA	1
C25483	13.8648	EA	1
C25484	13.8648	EA	1
C25485	13.8648	EA	1
C25486	13.8648	EA	1
C25487	13.8648	EA	1
C25488	13.8648	EA	1
C25489	13.8648	EA	1
C25490	13.8648	EA	1
C25491	13.8648	EA	1
C25492	13.8648	EA	1
C25493	13.8648	EA	1
C25494	13.8648	EA	1
C25495	13.8648	EA	1
C25496	0.5512	EA	10
C25497	0.5512	EA	10
C25498	0.5512	EA	10
C25499	0.5512	EA	10
C25500	0.5512	EA	10
C25501	0.5512	EA	10
C25502	0.5512	EA	10
C25503	0.5512	EA	10
C25504	1.0812	EA	10
C25506	0.2862	EA	10
C25509	0.3816	EA	10
C25510	0.3816	EA	10
C25511	0.3816	EA	10
C25512	0.4581	EA	50
C25513	0.4793	EA	10
C25514	5.5620	EA	12
C25515-1	5.3156	EA	1
C25515	4.1128	EA	12
C25516-1	4.8580	EA	1
C25516	4.8580	EA	12
C25517-1	7.3925	EA	1
C25517	7.3925	EA	12
C25518-1	7.3925	EA	1
C25518	7.3925	EA	12
C25519-1	7.3925	EA	1
C25519	7.3925	EA	12
C25520-1	5.3156	EA	1
C25520	5.3156	EA	12
C25521-1	7.4277	EA	1
C25521	7.4277	EA	12
C25522-1	7.7094	EA	1
C25522	7.7094	EA	12
C25523-1	7.4277	EA	1
C25523	5.3212	EA	12
C25524	5.2804	EA	12
C25525-1	5.2804	EA	1
C25525	5.2804	EA	12
C25526-1	5.2804	EA	1
C25526	5.2804	EA	12
C25528-1	5.2804	EA	1
C25528	5.2804	EA	12
C25529-1	5.2804	EA	1
C25529	5.2804	EA	12
C25609	1.0812	EA	5
C25610	1.3992	EA	5
C25621	1.0070	EA	5
C25622	1.0070	EA	5
C25625	1.0812	EA	5
C25626	0.5724	EA	5
C25627	1.0070	EA	5
C25628	1.0070	EA	5
C25632	0.8480	EA	5
C25634	0.5936	EA	5
C25635	0.5936	EA	5
C25637	0.5936	EA	5
C25643	0.5936	EA	5
C25644	0.5936	EA	5
C25645	0.5936	EA	5
C25647	0.5936	EA	5
C25649	0.4800	EA	5
C25701	0.3207	EA	50
C25702	0.6594	EA	50
C25704	0.6753	EA	50
C25707	0.2408	EA	50
C25709	0.2486	EA	50
C25710	0.4815	EA	50
C25711	0.2216	EA	50
C25712	0.3464	EA	50
C25714	0.2439	EA	50
C25715	0.8326	EA	50
C25716	0.1657	EA	50
C25718	0.2324	EA	50
C25720	0.2041	EA	50
C25721	0.3105	EA	50
C25722	0.1434	EA	50
C25723	0.2584	EA	50
C25724	0.2844	EA	50
C25726	0.6124	EA	50
C25728	0.2195	EA	50
C25729	0.2344	EA	50
C25730	0.2146	EA	50
C25731	0.2856	EA	50
C25732	0.3158	EA	50
C25734	0.2173	EA	50
C25735	0.4093	EA	50
C25736	0.2992	EA	50
C25738	0.2651	EA	50
C25739	0.2025	EA	50
C25741	0.2644	EA	50
C25744	0.2609	EA	50
C25746	0.2314	EA	50
C25747	0.2178	EA	50
C25748	0.2194	EA	50
C25750	0.6312	EA	50
C25751	0.2510	EA	50
C25752	0.3038	EA	50
C25753	0.7380	EA	50
C25757	0.5080	EA	50
C25758	0.5080	EA	50
C25759	0.3927	EA	50
C25760	0.3330	EA	50
C25761	0.2761	EA	50
C25762	0.2550	EA	50
C25763	0.2677	EA	50
C25765	0.4253	EA	50
C25767	0.2296	EA	50
C25769	0.2934	EA	50
C25770	0.2768	EA	50
C25771	0.3059	EA	50
C25773	0.2121	EA	50
C25774	0.5841	EA	50
C25776	0.2820	EA	50
C25777	0.2181	EA	50
C25778	0.2762	EA	50
C25779	0.2245	EA	50
C25784	0.3438	EA	50
C25790	0.3506	EA	50
C25791	0.2430	EA	50
C25792	0.2627	EA	50
C25793	0.2398	EA	50
C25794	0.6312	EA	50
C25795	0.3153	EA	50
C25796	0.7191	EA	50
C25798	0.2636	EA	50
C25799	0.2436	EA	50
C25800	0.4188	EA	50
C25801	0.2565	EA	50
C25802	0.2248	EA	50
C25803	0.2942	EA	50
C25804	0.4112	EA	50
C25805	0.4451	EA	50
C25806	0.4451	EA	50
C25807	0.5032	EA	5
C25808	0.4963	EA	5
C25809	0.2907	EA	50
C25810	0.2917	EA	50
C25811	0.3322	EA	50
C25814	0.3158	EA	50
C25815	0.2317	EA	50
C25816	0.2079	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C25817.....	0.2649	EA	50
C25818.....	0.5342	EA	50
C25819.....	0.2034	EA	50
C25823.....	0.2323	EA	50
C25826.....	0.5955	EA	5
C25827.....	0.2419	EA	50
C25828.....	0.2411	EA	50
C25829.....	1.0812	EA	5
C25830.....	1.3142	EA	50
C25831.....	17.9482	EA	5
C25832.....	14.9990	EA	5
C25833.....	14.9990	EA	5
C25834.....	14.9568	EA	5
C25835.....	22.2176	EA	5
C25836.....	22.2176	EA	5
C25839.....	0.2966	EA	50
C25840.....	0.4219	EA	50
C25841.....	0.6042	EA	5
C25842.....	0.4862	EA	50
C25843.....	0.6042	EA	5
C25844.....	0.7896	EA	5
C25845.....	0.1808	EA	50
C25846.....	1.3129	EA	50
C25847.....	1.3992	EA	5
C25848.....	0.3584	EA	50
C25849.....	0.6042	EA	5
C25850.....	0.2040	EA	50
C25851.....	0.4188	EA	50
C25852.....	0.4657	EA	5
C25853.....	1.8626	EA	25
C25854.....	1.9390	EA	25
C25855.....	32.3512	EA	5
C25858.....	2.2578	EA	25
C25859.....	2.2578	EA	50
C25860.....	2.2578	EA	25
C25861.....	1.8896	EA	25
C25862.....	1.7702	EA	25
C25863.....	2.2578	EA	25
C25864.....	1.9758	EA	25
C25865.....	1.9758	EA	25
C25869.....	1.0290	EA	50
C25870.....	1.0176	EA	5
C25871.....	0.7632	EA	10
C25873.....	21.4014	EA	5
C25874.....	0.5342	EA	50
C25875.....	0.5936	EA	5
C25876.....	1.0054	EA	50
C25877.....	1.0176	EA	5
C25878.....	1.0120	EA	50
C25879.....	1.0176	EA	5
C25880.....	0.1396	EA	50
C25881.....	16.4563	EA	5
C25882.....	17.1804	EA	5
C25883.....	13.1228	EA	5
C25885.....	22.8681	EA	5
C25886.....	22.8595	EA	5
C25889.....	2.3002	EA	25
C25890.....	1.0048	EA	50
C25891.....	1.0176	EA	5
C25892.....	1.2966	EA	50
C25893.....	1.0176	EA	5
C25894.....	21.4332	EA	5
C25895.....	14.4902	EA	5
C25899.....	11.8084	EA	5
C25900.....	14.0662	EA	5
C25902.....	0.4984	EA	25
C25903.....	25.0796	EA	5
C25904.....	0.5936	EA	25
C25905.....	0.5936	EA	25
C25907.....	25.5354	EA	5
C25908.....	0.8034	EA	25
C25909.....	0.5936	EA	25
C25916.....	0.5342	EA	50
C25917.....	0.5936	EA	25
C25918.....	17.0910	EA	5
C25919.....	0.5936	EA	25
C25924.....	0.5936	EA	25
C25926.....	0.5936	EA	25
C25928.....	0.5160	EA	50
C25929.....	2.0376	EA	25
C25930.....	2.2578	EA	25
C25931.....	2.2578	EA	25
C25932.....	1.7702	EA	25
C25933.....	1.8020	EA	25
C25934.....	1.7702	EA	25
C25941.....	2.2578	EA	25
C25942.....	0.5936	EA	5
C25943.....	0.5936	EA	5
C25944.....	0.5032	EA	5
C25945.....	0.5936	EA	5
C25946.....	1.3992	EA	5
C25947.....	0.5936	EA	5
C25948.....	1.0699	EA	50
C25949.....	1.3992	EA	5
C25951.....	0.5936	EA	5
C25952.....	0.5936	EA	5
C25953.....	0.5936	EA	5
C25954.....	0.7751	EA	50
C25956.....	0.9587	EA	50
C25957.....	0.5936	EA	5
C25958.....	0.5936	EA	5
C25959.....	0.5955	EA	5
C25960.....	0.5947	EA	5
C25961.....	0.5936	EA	5
C25962.....	0.5936	EA	5
C25963.....	0.5955	EA	5
C25964.....	0.5955	EA	5
C25965.....	0.5955	EA	5
C25966.....	0.5955	EA	5
C25967.....	0.5955	EA	5
C25968.....	0.6038	EA	5
C25969.....	0.5936	EA	5
C25970.....	0.5955	EA	5
C25971.....	0.5955	EA	5
C25972.....	0.5955	EA	5
C25973.....	0.5955	EA	5
C25974.....	0.4963	EA	5
C25975.....	0.4956	EA	5
C25977.....	0.6709	EA	5
C25978.....	0.5924	EA	5
C25979.....	0.6718	EA	5
C25980.....	0.6709	EA	5
C25981.....	0.6513	EA	5
C25982.....	1.3886	EA	5
C25985.....	1.3992	EA	5
C25998.....	2.2431	EA	5
C26006.....	0.0539	EA	50
C26007.....	0.1272	EA	50
C26008.....	0.0654	EA	50
C26009.....	0.1696	EA	50
C26010.....	0.0914	EA	50
C26011.....	0.1143	EA	50
C26013.....	0.3392	EA	50
C26015.....	0.5194	EA	50
C26073-1.....	5.8234	EA	1
C26073.....	5.8234	EA	6
C26077.....	139.1900	EA	1
C26084.....	2.0352	EA	2
C26095.....	604.1373	EA	1
C26122.....	1.4642	EA	5
C26128.....	1.8596	EA	5
C26129.....	2.3472	EA	5
C26153.....	0.0409	EA	100
C26164.....	0.0402	EA	100
C26165.....	0.0463	EA	100
C26166.....	0.0979	EA	100
C26178.....	78.0918	EA	1
C26201.....	7.5684	EA	1
C26204.....	7.4730	EA	1
C26215-1.....	11.6652	EA	1
C26215.....	9.9912	EA	6
C26216-1.....	11.9029	EA	1
C26216.....	11.7027	EA	6
C26221.....	11.9901	EA	1
C26222.....	17.6066	EA	1
C26228B.....	60.4412	EA	1
C26233.....	35.8280	EA	1
C26262-1.....	7.2149	EA	1
C26262.....	6.8264	EA	12
C26264B.....	8.7450	EA	1
C26266.....	76.4981	EA	1
C26267.....	218.0886	EA	1
C26269.....	57.3322	EA	1
C26270.....	40.1326	EA	1
C26282B.....	0.4087	EA	4
C26294-1.....	5.1944	EA	1
C26294.....	4.8643	EA	12
C26302-1.....	6.9664	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C26302.....	5.6074	EA	12
C26360.....	3.8843	EA	1
C26369.....	8.2574	EA	1
C26378.....	1.3038	EA	10
C26381.....	9.4974	EA	1
C26383.....	2.9150	EA	25
C26903.....	3.0178	EA	1
C27063.....	55.8708	EA	1
C270802-1.....	10.1845	EA	1
C270802.....	10.1845	EA	12
C27117.....	0.0884	EA	50
C27118.....	0.1297	EA	50
C27119.....	0.1201	EA	50
C27120.....	0.2593	EA	50
C27121.....	0.2364	EA	25
C27122.....	0.4571	EA	10
C27123.....	0.8325	EA	10
C27124.....	0.2795	EA	50
C27125.....	0.4827	EA	50
C27126.....	0.2416	EA	50
C27127.....	0.7651	EA	10
C27129.....	0.0819	EA	100
C27130.....	0.1121	EA	100
C27135.....	3.9825	EA	5
C27150.....	0.2009	EA	1100
C27153.....	0.1837	EA	980
C27162.....	1.0176	EA	25
C27163.....	1.1130	EA	25
C27164.....	1.1766	EA	25
C27165.....	1.2296	EA	25
C27179.....	10.2926	EA	1
C27880.....	41.8806	EA	1
C27906.....	14.0940	EA	1
C27909.....	5.2894	EA	1
C27910.....	5.2894	EA	1
C28218.....	13.6210	EA	1
C28223.....	2.1083	EA	1
C28225.....	7.0651	EA	1
C28226.....	19.5784	EA	1
C28228.....	14.9045	EA	1
C28229-1.....	10.5259	EA	1
C28229.....	9.9941	EA	12
C28230-1.....	5.9391	EA	1
C28230.....	5.7193	EA	12
C28231-1.....	9.0395	EA	1
C28231.....	9.1799	EA	12
C28233.....	7.0278	EA	1
C28234.....	5.7876	EA	1
C28235.....	7.2610	EA	1
C28248-1.....	6.7858	EA	1
C28248.....	6.3725	EA	12
C28249-1.....	7.1909	EA	1
C28249.....	6.8162	EA	12
C28250-1.....	8.6185	EA	1
C28250.....	8.2437	EA	12
C28251.....	3.2124	EA	1
C28252.....	3.2124	EA	1
C28253.....	6.5244	EA	1
C28258.....	4.6278	EA	1
C28259.....	4.0541	EA	1
C28261.....	3.9195	EA	1
C28262.....	34.9920	EA	1
C28265.....	3.9644	EA	1
C28266.....	13.7579	EA	1
C28268.....	6.3097	EA	1
C28274-1.....	11.2697	EA	1
C28274.....	11.0144	EA	12
C28275-1.....	4.7215	EA	1
C28275.....	4.2844	EA	12
C28276-1.....	4.5398	EA	1
C28277.....	3.7706	EA	1
C28279.....	12.0891	EA	1
C28280.....	9.8450	EA	1
C28281.....	14.9887	EA	1
C28282.....	10.4640	EA	1
C28283.....	2.1641	EA	1
C28284.....	3.2975	EA	1
C28287-1.....	4.0824	EA	1
C28287.....	3.8822	EA	12
C28288-1.....	20.3889	EA	1
C28288.....	17.5740	EA	4
C28297.....	0.3232	EA	10
C28314.....	11.8084	EA	5
C28315.....	14.8027	EA	2
C28317.....	5.5907	EA	2
C28320.....	5.8788	EA	2
C28321.....	7.4327	EA	2
C28322.....	12.2278	EA	1
C28323.....	14.6094	EA	1
C28324.....	25.3254	EA	1
C28328.....	5.9302	EA	3
C28329.....	4.4674	EA	3
C28330.....	8.5224	EA	3
C28331.....	8.5224	EA	3
C28332.....	12.3914	EA	3
C28333.....	8.2786	EA	3
C28334.....	2.5991	EA	5
C28335.....	2.5991	EA	5
C28336.....	2.7793	EA	5
C28337.....	2.5991	EA	5
C28338.....	2.7793	EA	5
C28345.....	0.1432	EA	50
C28348.....	16.1148	EA	1
C28356.....	0.7812	EA	15
C28359.....	1.1195	EA	15
C28360.....	0.1642	EA	50
C28366.....	0.6448	EA	15
C28371.....	0.4758	EA	15
C28372.....	0.2873	EA	50
C28377.....	0.9540	EA	10
C28378.....	0.3661	EA	25
C28382.....	0.3093	EA	25
C28383.....	0.4913	EA	15
C28384.....	0.4725	EA	15
C28386.....	0.4384	EA	25
C28388.....	1.3312	EA	10
C28390.....	1.6694	EA	10
C28391.....	4.2930	EA	1
C28392.....	6.3918	EA	1
C28393.....	7.1762	EA	1
C28394.....	5.6498	EA	1
C28415.....	0.6034	EA	25
C28416.....	1.0202	EA	25
C28417.....	1.0202	EA	25
C28418.....	1.7326	EA	25
C28419.....	1.0190	EA	25
C28420.....	1.0169	EA	25
C28421.....	0.3450	EA	25
C28422.....	2.3850	EA	5
C28423.....	2.3048	EA	5
C28424.....	2.1222	EA	5
C28425.....	2.0022	EA	5
C28426.....	1.7964	EA	5
C28427.....	1.6540	EA	5
C28428.....	1.9659	EA	5
C28429.....	1.8101	EA	5
C28430.....	1.9037	EA	5
C28431.....	1.8978	EA	5
C28432.....	1.9037	EA	5
C28433.....	2.0811	EA	5
C28434.....	1.9037	EA	5
C28435.....	2.3850	EA	5
C28436.....	2.0608	EA	5
C28437.....	2.0675	EA	5
C28438.....	8.4376	EA	1
C28439.....	9.2402	EA	1
C28440.....	220.8616	EA	1
C28446.....	2.9761	EA	5
C28447.....	2.9761	EA	5
C28451.....	3.9126	EA	10
C28455.....	1.1606	EA	10
C28460.....	6.9998	EA	10
C28461.....	4.6077	EA	10
C28463.....	7.9549	EA	10
C28467.....	5.4421	EA	10
C28469.....	4.5059	EA	10
C28471.....	4.4965	EA	10
C28472.....	6.4902	EA	10
C28473.....	3.4395	EA	10
C28474.....	3.4306	EA	10
C28475.....	3.9829	EA	25
C28476.....	4.3585	EA	25
C28477.....	4.8295	EA	25
C28478.....	5.0183	EA	25
C28479.....	5.3004	EA	25
C28480.....	5.8170	EA	25
C28481.....	6.2924	EA	25
C28482.....	6.5637	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C28483.....	1.6890	EA	25
C28484.....	1.8482	EA	25
C28485.....	2.0074	EA	25
C28486.....	2.1280	EA	25
C28487.....	2.2026	EA	25
C28488.....	2.4667	EA	25
C28489.....	2.6683	EA	25
C28490.....	2.7833	EA	25
C28491.....	0.8279	EA	25
C28492.....	0.9066	EA	25
C28494.....	1.0428	EA	25
C28495.....	1.1018	EA	25
C28499.....	1.6890	EA	25
C28501.....	1.8482	EA	25
C28502.....	2.0479	EA	25
C28503.....	2.1280	EA	25
C28504.....	2.2477	EA	25
C28505.....	2.4667	EA	25
C28506.....	2.6683	EA	25
C28507.....	2.7833	EA	25
C28510-1.....	14.7363	EA	1
C28510.....	14.2650	EA	12
C28511-1.....	7.3201	EA	1
C28511.....	7.0358	EA	12
C28513.....	97.0748	EA	1
C28543.....	0.0302	EA	100
C28544.....	0.0388	EA	100
C28545.....	0.0319	EA	100
C28546.....	0.0440	EA	100
C28547.....	0.0625	EA	50
C28548.....	0.0732	EA	50
C28549.....	0.0615	EA	50
C28550.....	0.0821	EA	50
C28551.....	0.1030	EA	50
C28552.....	0.1302	EA	25
C28553.....	0.1690	EA	25
C28556.....	0.0261	EA	100
C28557.....	0.0306	EA	100
C28558.....	0.0416	EA	100
C28559.....	0.0474	EA	100
C28560.....	0.0525	EA	100
C28561.....	0.0749	EA	50
C28562.....	0.0790	EA	50
C28563.....	0.0666	EA	50
C28564.....	0.1047	EA	50
C28576.....	4.7047	EA	1
C28579.....	23.9002	EA	1
C28580.....	17.7643	EA	1
C28581.....	18.0627	EA	1
C28592.....	3.0981	EA	1
C28599.....	25.8359	EA	6
C28600.....	77.0101	EA	1
C28601.....	2.1784	EA	12
C28602.....	11.0177	EA	1
C28603.....	34.0341	EA	1
C28671-1.....	3.0993	EA	1
C28671.....	3.0993	EA	12
C28672.....	64.4973	EA	1
C28673-1.....	4.0176	EA	1
C28673.....	4.0176	EA	12
C28696.....	1.0070	EA	25
C28697.....	1.0070	EA	25
C28698.....	1.3992	EA	25
C28699.....	1.0070	EA	25
C28700.....	1.0070	EA	25
C28701.....	19.7478	EA	5
C28702.....	18.9740	EA	5
C28703.....	18.9740	EA	5
C28704.....	18.9740	EA	5
C28705.....	18.9740	EA	5
C28706.....	18.9740	EA	5
C28708.....	16.6102	EA	5
C28709.....	0.7314	EA	10
C28710.....	0.7314	EA	10
C28711.....	0.7314	EA	10
C28714.....	18.4122	EA	5
C28715.....	18.4122	EA	5
C28716.....	18.4122	EA	5
C28717.....	18.4122	EA	5
C28718.....	18.4122	EA	5
C28719.....	0.9646	EA	5
C28720.....	15.0362	EA	5
C28721.....	16.3770	EA	5
C28722.....	20.6912	EA	5
C28723.....	20.6912	EA	5
C28724.....	19.0266	EA	5
C28725.....	19.0266	EA	5
C28726.....	19.0266	EA	5
C29016.....	34.1489	EA	1
C29056.....	303.7601	EA	1
C29057.....	155.2182	EA	1
C29058.....	197.2223	EA	1
C29059.....	220.1696	EA	1
C29060.....	59.4506	EA	1
C29061.....	35.4483	EA	1
C29062.....	12.5889	EA	1
C29063.....	5.6819	EA	2
C29064.....	6.9959	EA	2
C29066.....	0.0480	EA	2500
C29204.....	10.2991	EA	1
C29205.....	47.6420	EA	1
C29301.....	0.0282	EA	100
C29302.....	0.0295	EA	100
C29303.....	0.0378	EA	100
C29304.....	0.0422	EA	100
C29305.....	0.0543	EA	100
C29306.....	0.0721	EA	100
C29308.....	0.0227	EA	1220
C29309.....	0.0374	EA	635
C29310.....	0.0505	EA	595
C29311.....	0.0615	EA	450
C29319.....	0.0323	EA	2165
C29320.....	0.0378	EA	1530
C29321.....	0.0501	EA	1110
C29322.....	0.0491	EA	850
C29323.....	0.0687	EA	725
C29324.....	0.1394	EA	380
C29331.....	0.0428	EA	100
C29332.....	0.2009	EA	100
C29333.....	0.1831	EA	100
C29356.....	17.0342	EA	1
C29357.....	17.0342	EA	1
C29358.....	17.0342	EA	1
C29360.....	65.6776	EA	1
C29361.....	2.7278	EA	6
C29362.....	2.9399	EA	6
C29381.....	32.8713	EA	1
C29382.....	51.0083	EA	1
C29388.....	7.5487	EA	1
C29389.....	7.5487	EA	1
C29390.....	7.1724	EA	1
C29391.....	7.3907	EA	1
C29392.....	215.1537	EA	1
C29393.....	8.5012	EA	1
C29394.....	15.5502	EA	1
C29395.....	19.7796	EA	1
C29399.....	104.0211	EA	1
C29403.....	112.3221	EA	1
C29404.....	50.3799	EA	1
C29404B.....	50.3799	EA	1
C29412.....	31.4139	EA	1
C29413.....	0.8516	EA	5
C29428.....	14.5597	EA	1
C29429.....	8.2778	EA	1
C29430.....	5.1834	EA	2
C29450.....	3.5892	EA	2
C29451.....	4.7545	EA	2
C29452.....	4.8170	EA	2
C29453.....	4.6005	EA	2
C29454.....	5.0820	EA	2
C29470.....	47.8991	EA	1
C29474.....	22.1222	EA	2
C29476.....	15.6244	EA	2
C29478.....	22.3711	EA	2
C29489.....	8.8095	EA	2
C29490.....	56.6434	EA	1
C29594.....	0.0828	EA	100
C29595.....	0.0828	EA	100
C29596.....	0.0828	EA	100
C29597.....	0.0828	EA	100
C29598.....	0.1366	EA	100
C29599.....	0.1366	EA	100
C29600.....	0.1366	EA	100
C29601.....	0.1366	EA	100
C29602.....	0.1425	EA	100
C29603.....	0.1425	EA	100
C29604.....	0.1425	EA	100
C29605.....	0.1425	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C29606.....	0.1818	EA	100
C29607.....	0.1818	EA	100
C29608.....	0.1818	EA	100
C29609.....	0.1818	EA	100
C29626.....	4.8654	EA	10
C29627.....	2.2154	EA	5
C29628.....	2.4486	EA	5
C29630.....	2.1806	EA	12
C29677.....	8.7242	EA	10
C29678.....	3.2682	EA	10
C29679.....	6.7778	EA	10
C29696.....	48.2571	EA	1
C29702.....	94.1063	EA	1
C29703.....	161.2154	EA	1
C29704.....	275.9578	EA	1
C29705.....	426.3845	EA	1
C29706.....	547.3271	EA	1
C29707.....	702.5103	EA	1
C29708.....	113.1673	EA	1
C29709.....	213.6235	EA	1
C29710.....	397.4155	EA	1
C29711.....	589.0551	EA	1
C29712.....	754.9366	EA	1
C29713.....	0.5969	EA	10
C29714.....	0.5989	EA	10
C29715.....	0.7424	EA	10
C29717.....	0.1770	EA	50
C29718.....	0.1870	EA	50
C29719.....	0.1882	EA	50
C29720.....	0.2299	EA	50
C29721.....	0.2183	EA	50
C29722.....	0.2351	EA	50
C29723.....	0.2705	EA	50
C29724.....	0.3121	EA	50
C29725.....	0.3085	EA	50
C29726.....	0.3350	EA	50
C29727.....	0.3774	EA	50
C29728.....	0.4416	EA	50
C29729.....	0.4953	EA	25
C29735.....	0.1201	EA	50
C29736.....	0.1201	EA	50
C29738.....	1.7495	EA	10
C29739.....	1.5476	EA	10
C29740.....	1.5476	EA	10
C29741.....	83.8419	EA	1
C29742.....	63.0208	EA	1
C29743.....	69.5170	EA	1
C29744.....	51.0612	EA	1
C29745.....	0.3377	EA	100
C29746.....	0.3507	EA	100
C29747.....	0.3005	EA	100
C29748.....	0.3266	EA	100
C29749.....	0.3442	EA	100
C29755.....	11.3152	EA	1
C29756.....	11.3152	EA	1
C29757.....	24.7404	EA	1
C29758.....	25.8640	EA	1
C29759.....	26.9876	EA	1
C29760.....	28.1112	EA	1
C29763.....	1.4701	EA	10
C29764.....	1.4701	EA	10
C29785-1.....	6.4329	EA	1
C29785.....	6.4329	EA	12
C29786-1.....	4.6195	EA	1
C29786.....	6.4329	EA	12
C29788.....	221.2539	EA	1
C29789.....	221.2539	EA	1
C29791-1.....	6.4329	EA	1
C29791.....	6.4329	EA	12
C29792-1.....	6.4329	EA	1
C29792.....	6.4329	EA	12
C29793-1.....	6.4329	EA	1
C29793.....	6.4329	EA	12
C29794.....	221.2539	EA	1
C29795.....	221.2539	EA	1
C29796.....	221.2539	EA	1
C29799-1.....	6.5462	EA	1
C29799.....	6.5462	EA	12
C29800-1.....	6.5462	EA	1
C29800.....	6.5462	EA	12
C29801.....	231.6807	EA	1
C29802.....	231.6807	EA	1
C29804-1.....	11.0797	EA	1
C29804.....	11.0797	EA	12
C29805-1.....	11.0797	EA	1
C29805.....	11.0797	EA	12
C29808-1.....	12.3717	EA	1
C29808.....	12.3717	EA	12
C29809-1.....	15.9391	EA	1
C29809.....	15.9391	EA	6
C29810.....	65.1967	EA	1
C29811.....	41.2540	EA	1
C29812.....	1.5665	EA	1
C29813.....	1.8704	EA	1
C29814.....	0.6804	EA	6
C29815.....	0.6179	EA	6
C29853.....	0.5701	EA	25
C29859.....	0.0369	EA	1000
C29860.....	0.0440	EA	1000
C29861.....	0.0587	EA	1000
C29862.....	0.0978	EA	1000
C29863.....	0.0413	EA	1000
C29864.....	0.0717	EA	1000
C29865.....	0.0756	EA	1000
C29866.....	0.1108	EA	1000
C29867.....	0.1412	EA	1000
C29868.....	0.0787	EA	1000
C29869.....	0.0830	EA	1000
C29870.....	0.1312	EA	500
C29871.....	0.1586	EA	500
C29872.....	0.1369	EA	500
C29873.....	0.1630	EA	500
C29874.....	0.1847	EA	500
C29877.....	6.8685	EA	10
C29879.....	13.6162	EA	1
C29880.....	15.7728	EA	1
C29881.....	3.3708	EA	1
C29884.....	6.0024	EA	5
C29885.....	10.8739	EA	5
C29886.....	14.2206	EA	2
C29889.....	5.4743	EA	5
C29891.....	6.0024	EA	5
C29893.....	7.2217	EA	5
C29894.....	5.2493	EA	5
C29895.....	6.6391	EA	5
C29896.....	8.9293	EA	5
C29897.....	3.8912	EA	5
C29898.....	8.0434	EA	5
C29899.....	8.8539	EA	5
C29900.....	12.3364	EA	5
C29905.....	6.1613	EA	5
C29917.....	10.3577	EA	2
C29918.....	9.0131	EA	2
C29919.....	10.3959	EA	2
C29920.....	12.6733	EA	2
C29923.....	15.1593	EA	2
C29929.....	0.2548	EA	50
C29935.....	2.3923	EA	5
C29936.....	18.3568	EA	1
C29937.....	23.4672	EA	1
C29938.....	28.5776	EA	1
C29939.....	35.3870	EA	1
C29940.....	21.8187	EA	1
C29941.....	26.8632	EA	1
C29942.....	28.6281	EA	1
C29943.....	35.3870	EA	1
C29958.....	1.8752	EA	5
C29959.....	9.7448	EA	2
C29960.....	1.9370	EA	5
C29963.....	3.2455	EA	5
C29964.....	4.3227	EA	5
C29967.....	2.5689	EA	5
C29971.....	3.2410	EA	5
C29979.....	6.4841	EA	2
C29981.....	11.0948	EA	2
C29982.....	8.5460	EA	2
C29983.....	9.6657	EA	2
C29984.....	8.3285	EA	2
C29985.....	61.6147	EA	1
C29989.....	12.3883	EA	2
C29992.....	29.0730	EA	1
C29993.....	23.9926	EA	1
C29994.....	28.1891	EA	1
C29997.....	9.2598	EA	2
C29998.....	3.8492	EA	2
C29999.....	5.0109	EA	2
C30044.....	0.1273	EA	50
C30045.....	0.1412	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C30062.....	0.2598	EA	25
C30115.....	0.1194	EA	100
C30116.....	0.1328	EA	100
C30117.....	0.1356	EA	100
C30118.....	0.1383	EA	100
C30119.....	0.1411	EA	100
C30120.....	0.1515	EA	100
C30121.....	0.1657	EA	100
C30122.....	0.1818	EA	100
C30123.....	0.1887	EA	100
C30124.....	0.1956	EA	100
C30125.....	0.2359	EA	100
C30126.....	0.2485	EA	100
C30127.....	0.3153	EA	50
C30128.....	0.3421	EA	50
C30129.....	0.3946	EA	50
C30130.....	0.4006	EA	50
C30131.....	0.4261	EA	50
C30132.....	0.4566	EA	50
C30133.....	0.6821	EA	50
C30178.....	0.2047	EA	25
C30180.....	0.3929	EA	25
C30182.....	0.7193	EA	10
C30183.....	1.1500	EA	10
C30192.....	0.3519	EA	25
C30193.....	0.5048	EA	25
C30194.....	0.5316	EA	25
C30216.....	0.0596	EA	50
C30219.....	0.1348	EA	50
C30220.....	0.1912	EA	50
C30222.....	0.2474	EA	50
C30224.....	0.3186	EA	25
C30225.....	0.3638	EA	25
C30226.....	0.3499	EA	25
C30227.....	0.4224	EA	25
C30228.....	0.4106	EA	25
C30230.....	0.6838	EA	25
C30231.....	0.8106	EA	25
C30292.....	0.0693	EA	250
C30301.....	0.0682	EA	500
C30323.....	0.8997	EA	50
C30394.....	7.1408	EA	2
C30395.....	8.7730	EA	1
C30397.....	1.8301	EA	5
C30401.....	4.8723	EA	2
C30434.....	0.1314	EA	100
C3045.....	0.2345	EA	2
C30470.....	0.4370	EA	30
C30487.....	0.4504	EA	100
C30489.....	0.3559	EA	100
C30491.....	0.4624	EA	100
C30494.....	13.8367	EA	5
C30498.....	13.6861	EA	5
C30507.....	0.3211	EA	25
C30516.....	0.1324	EA	30
C30531.....	0.3235	EA	50
C30534.....	0.3428	EA	50
C30537.....	0.3950	EA	50
C30538.....	0.4004	EA	50
C30539.....	0.4046	EA	50
C30542.....	0.4156	EA	25
C30549.....	0.4056	EA	50
C30551.....	0.4430	EA	50
C30553.....	0.4496	EA	50
C30554.....	0.4544	EA	50
C30556.....	0.4616	EA	25
C30570.....	0.5053	EA	50
C30593.....	0.4825	EA	50
C30594.....	0.4873	EA	50
C30595.....	0.4897	EA	50
C30596.....	0.4946	EA	50
C30598.....	0.5025	EA	25
C30628.....	0.8589	EA	10
C30671.....	0.4544	EA	20
C30688.....	0.3377	EA	25
C30698.....	0.3932	EA	100
C30699.....	0.7788	EA	100
C30701.....	0.3940	EA	100
C30711.....	0.4410	EA	50
C30712.....	0.4472	EA	50
C30713.....	0.4973	EA	25
C30767.....	0.4846	EA	25
C30768.....	0.4828	EA	25
C30821.....	0.1147	EA	100
C30823.....	0.1068	EA	100
C30824.....	0.1409	EA	100
C30825.....	0.1301	EA	100
C30827.....	0.1565	EA	100
C30828.....	0.1822	EA	100
C30829.....	0.1409	EA	100
C30830.....	0.1689	EA	100
C30831.....	0.1900	EA	100
C30833.....	0.1920	EA	100
C30834.....	0.2264	EA	50
C30835.....	0.3162	EA	50
C30836.....	0.3989	EA	50
C30837.....	0.4859	EA	50
C30838.....	0.5667	EA	25
C30925.....	43.4706	EA	1
C30926.....	41.5944	EA	1
C30952.....	0.3449	EA	25
C30953.....	0.4036	EA	25
C30961.....	0.9394	EA	5
C30962.....	1.1845	EA	5
C30963.....	1.1988	EA	5
C30964.....	2.2512	EA	5
C30968.....	1.2540	EA	5
C30969.....	3.1834	EA	5
C30970.....	1.4250	EA	5
C30971.....	3.5034	EA	5
C30972.....	3.9584	EA	5
C30973.....	4.8043	EA	5
C30974.....	1.5378	EA	10
C30975.....	0.6590	EA	10
C30976.....	0.6759	EA	5
C30977.....	2.4357	EA	5
C30978.....	2.6494	EA	5
C30979.....	0.5365	EA	10
C30980.....	0.7459	EA	5
C30981.....	0.7620	EA	5
C30982.....	2.2752	EA	5
C30983.....	0.7828	EA	5
C30984.....	2.5343	EA	5
C30985.....	0.8014	EA	5
C30986.....	2.7845	EA	5
C30988.....	0.0561	EA	100
C30990.....	0.1446	EA	100
C3100000.....	1098.1282	EA	1
C3100001.....	252.0923	EA	1
C3100002.....	26.3095	EA	1
C3100009.....	11.9266	EA	1
C3100016.....	5.8053	EA	1
C3100021.....	2.7922	EA	1
C3100022.....	3.5165	EA	1
C3100023.....	27.2961	EA	1
C3100038.....	56.7524	EA	1
C3100049.....	14.6571	EA	1
C3100056.....	12.6589	EA	1
C3100062.....	16.9575	EA	1
C3100070.....	2.4480	EA	1
C3100074.....	0.9389	EA	1
C3100075.....	133.9449	EA	1
C3100080.....	5.5216	EA	1
C3100083.....	114.1759	EA	1
C3100087.....	5.0588	EA	1
C3100108.....	1.1565	EA	1
C3100138.....	95.6022	EA	1
C3100140.....	37.9968	EA	1
C3100144.....	17.7030	EA	1
C31003.....	2.6524	EA	5
C31042.....	0.0934	EA	50
C31049.....	0.0352	EA	100
C31050.....	0.0243	EA	100
C31051.....	0.0257	EA	100
C31052.....	0.0379	EA	100
C31053.....	0.0406	EA	100
C31054.....	0.0444	EA	100
C31055.....	0.0483	EA	100
C31056.....	0.0552	EA	50
C31057.....	0.0627	EA	50
C31058.....	0.0645	EA	100
C31059.....	0.0924	EA	25
C31060.....	0.1066	EA	25
C31061.....	0.1380	EA	25
C31062.....	0.1476	EA	25
C31063.....	0.1741	EA	25
C31064.....	0.1924	EA	25
C31065.....	0.0485	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C31066.....	0.1012	EA	100
C31067.....	0.1337	EA	25
C31068.....	0.1539	EA	25
C31069.....	0.1644	EA	25
C31070.....	0.1786	EA	25
C31071.....	0.1911	EA	25
C31072.....	0.3505	EA	10
C31073.....	0.3681	EA	10
C31074.....	0.4081	EA	10
C31075.....	0.1485	EA	25
C31076.....	0.1956	EA	25
C31081.....	0.1248	EA	70
C31089.....	0.1928	EA	30
C31100.....	0.4008	EA	25
C31102.....	0.0862	EA	100
C3115.....	0.2345	EA	2
C31196.....	1.7986	EA	5
C31238.....	0.1464	EA	50
C31239.....	0.2238	EA	40
C31273.....	0.2368	EA	50
C313100.....	5.6043	EA	2
C313102.....	5.5695	EA	2
C313104.....	5.5695	EA	2
C313106.....	5.5695	EA	2
C313108.....	5.5695	EA	2
C313110.....	5.5695	EA	2
C313112.....	5.5695	EA	2
C313114.....	5.5695	EA	2
C313116.....	5.5695	EA	2
C313118.....	6.4735	EA	2
C31312.....	0.0375	EA	50
C313120.....	6.4735	EA	2
C313122.....	6.4735	EA	2
C313124.....	6.4735	EA	2
C313126.....	6.4735	EA	2
C313128.....	6.4735	EA	2
C31313.....	0.0461	EA	50
C313130.....	7.2036	EA	2
C313132.....	8.2814	EA	2
C313134.....	8.2814	EA	2
C313136.....	6.4735	EA	2
C313138.....	7.0993	EA	2
C31314.....	0.0546	EA	50
C313140.....	8.8724	EA	2
C313142.....	8.8724	EA	2
C313144.....	8.8724	EA	2
C313146.....	9.3244	EA	2
C313148.....	9.3244	EA	2
C31315.....	0.1335	EA	50
C313150.....	11.6887	EA	2
C313152.....	7.6034	EA	2
C313154.....	8.9594	EA	2
C313156.....	8.9594	EA	2
C313158.....	9.9850	EA	2
C31316.....	0.1496	EA	50
C313160.....	9.9850	EA	2
C313162.....	11.0281	EA	2
C313164.....	11.0414	EA	2
C313166.....	8.7508	EA	2
C313168.....	11.0281	EA	2
C31317.....	0.0495	EA	50
C313170.....	11.0281	EA	2
C313172.....	13.7921	EA	2
C313174.....	10.4370	EA	2
C313176.....	11.0281	EA	2
C313178.....	11.1671	EA	2
C31318.....	0.0571	EA	50
C313180.....	13.8253	EA	2
C313182.....	16.1923	EA	2
C313184.....	16.1374	EA	2
C313186.....	16.1923	EA	2
C313188.....	11.2553	EA	2
C31319.....	0.0681	EA	50
C313190.....	11.1671	EA	2
C313192.....	17.3824	EA	1
C313194.....	18.8717	EA	1
C313196.....	21.1374	EA	1
C313198.....	18.9818	EA	1
C31320.....	0.0726	EA	25
C313200.....	21.1374	EA	1
C313202.....	21.1374	EA	1
C313204.....	22.6267	EA	1
C313206.....	22.7367	EA	1
C313208.....	23.5016	EA	1
C31321.....	0.0796	EA	25
C313210.....	22.9222	EA	1
C313212.....	23.0625	EA	1
C31332.....	19.0797	EA	1
C31358.....	4.3827	EA	5
C31365.....	0.4538	EA	20
C31616.....	0.0972	EA	75
C31631.....	0.8575	EA	10
C31649.....	1.2165	EA	10
C31651.....	1.3238	EA	10
C31653.....	1.2165	EA	10
C31654.....	1.8066	EA	10
C31656.....	0.9429	EA	10
C31658.....	0.0419	EA	250
C31659.....	0.0441	EA	250
C31660.....	0.0498	EA	250
C31661-25.....	8.2915	LB	25
C31661.....	0.0559	EA	250
C31662.....	0.0865	EA	100
C31663-25.....	8.2915	LB	25
C31663.....	0.1084	EA	100
C31664.....	0.1072	EA	100
C31665-25.....	8.2915	LB	25
C31665.....	0.1100	EA	100
C31666-25.....	8.2915	LB	25
C31666.....	0.1416	EA	100
C31671.....	0.1006	EA	100
C31673.....	0.0704	EA	100
C31683.....	0.0353	EA	100
C31687.....	0.0667	EA	100
C31690.....	0.1390	EA	100
C31696.....	0.2168	EA	25
C31697.....	96.7144	EA	1
C31698.....	0.4051	EA	50
C31699.....	0.4810	EA	50
C31700.....	0.4799	EA	50
C31701.....	0.4801	EA	50
C31702.....	0.5871	EA	50
C31703.....	0.6587	EA	50
C31704.....	0.1208	EA	50
C31705.....	0.6567	EA	50
C31706.....	0.1310	EA	50
C31714.....	0.2287	EA	50
C31764.....	0.4400	EA	50
C31765.....	0.3677	EA	50
C31766.....	0.4411	EA	50
C31767.....	0.0657	EA	50
C31768.....	0.1226	EA	40
C31769.....	0.0215	EA	200
C31770.....	1.5085	EA	5
C31771.....	0.2478	EA	20
C31772.....	0.2478	EA	20
C31773.....	1.4428	EA	5
C31774.....	1.1821	EA	5
C31775.....	1.1821	EA	5
C31776.....	0.2382	EA	40
C31777.....	0.2382	EA	40
C31798.....	0.4616	EA	10
C31841.....	2.1912	EA	25
C31843.....	3.0498	EA	25
C31846.....	3.9821	EA	10
C31850.....	2.8637	EA	10
C31852.....	4.3385	EA	10
C31853.....	5.1954	EA	10
C31857.....	8.7122	EA	10
C31858.....	5.7713	EA	10
C31859.....	6.2471	EA	10
C31860.....	6.6913	EA	10
C31861.....	7.9677	EA	10
C31862.....	10.6734	EA	5
C31864.....	10.8472	EA	5
C32015.....	0.0488	EA	100
C32016.....	0.0621	EA	100
C32017.....	0.0773	EA	100
C32018.....	0.0960	EA	100
C32019.....	0.1197	EA	100
C32020.....	0.1385	EA	100
C32021.....	0.1661	EA	100
C32022.....	0.1845	EA	100
C32047.....	0.0938	EA	100
C32052.....	0.9305	EA	10
C32054.....	1.7760	EA	5
C32058.....	0.1179	EA	100
C32102.....	0.5953	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C32103.....	0.6463	EA	10
C32110.....	0.2275	EA	60
C32112.....	0.1772	EA	60
C32113.....	0.2058	EA	60
C32114.....	0.1915	EA	60
C32167.....	0.3520	EA	75
C32209.....	0.2667	EA	60
C32222.....	0.2350	EA	40
C32231.....	0.2363	EA	20
C32243.....	13.2708	EA	1
C32251.....	9.5512	EA	1
C32453.....	0.2303	EA	250
C32454.....	0.2673	EA	250
C32455.....	0.3020	EA	250
C32456.....	0.3651	EA	250
C32457.....	0.3042	EA	250
C32458.....	0.3629	EA	250
C32459.....	0.3916	EA	250
C32460.....	0.5128	EA	250
C32461.....	0.2269	EA	250
C32462.....	0.3462	EA	250
C32463.....	0.3672	EA	250
C32464.....	0.3716	EA	250
C32465.....	0.3042	EA	250
C32466.....	0.3585	EA	250
C32467.....	0.3916	EA	250
C32468.....	0.6052	EA	250
C32469.....	0.1755	EA	250
C32509B.....	116.0683	EA	1
C32510.....	17.2748	EA	1
C32523.....	2.6444	EA	3
C32524.....	0.9656	EA	10
C32618.....	0.1359	EA	25
C32620.....	0.3579	EA	10
C32632.....	0.6014	EA	5
C32811.....	1.4940	EA	5
C32812.....	1.3940	EA	5
C32813.....	1.8566	EA	5
C32814.....	1.9326	EA	5
C32817.....	2.2491	EA	5
C32818.....	2.5349	EA	5
C32819.....	2.9454	EA	5
C32862.....	0.3313	EA	500
C32868.....	0.0504	EA	500
C32878.....	0.1571	EA	250
C32910.....	0.6251	EA	20
C32930-1.....	3.8490	EA	1
C32930.....	4.7594	EA	12
C32931.....	39.8984	EA	1
C32932-1.....	4.9298	EA	1
C32932.....	4.7912	EA	12
C32933.....	38.1469	EA	1
C32935-1.....	4.8722	EA	1
C32935.....	4.3409	EA	12
C32936.....	42.6693	EA	1
C33019.....	0.0854	EA	25
C33020.....	0.1969	EA	25
C33022.....	1.1046	EA	25
C33026.....	1.7907	EA	10
C33027.....	3.2195	EA	10
C33212-25.....	8.4355	LB	25
C33212.....	0.0734	EA	250
C33213.....	0.1041	EA	250
C33215.....	0.0428	EA	250
C33216.....	0.2186	EA	100
C33217.....	0.2248	EA	100
C33339.....	0.0918	EA	100
C33340.....	0.1131	EA	100
C33341.....	0.0918	EA	100
C33342.....	0.0918	EA	100
C33386.....	265.7221	EA	1
C33458.....	1.0706	EA	5
C33515.....	0.1088	EA	100
C33535.....	0.5222	EA	25
C33544.....	0.0572	EA	200
C33545.....	0.0681	EA	200
C33546.....	0.0513	EA	200
C33547.....	0.0816	EA	200
C33569.....	0.1551	EA	100
C33571.....	0.1036	EA	100
C33572.....	0.3271	EA	50
C33574.....	0.2401	EA	100
C33884.....	11.6545	EA	1
C34021.....	1.1540	EA	5
C34024.....	4.3344	EA	1
C34025.....	4.3462	EA	1
C34026.....	7.2812	EA	1
C34027.....	7.9767	EA	1
C34028.....	6.3744	EA	1
C34029.....	9.5902	EA	1
C34051.....	0.9296	EA	25
C34056.....	10.8756	EA	1
C34173.....	1.0406	EA	5
C34174.....	1.4108	EA	5
C34175.....	1.9397	EA	5
C34176.....	2.0537	EA	5
C34177.....	1.1993	EA	5
C34178.....	1.7811	EA	5
C34179.....	1.7819	EA	2
C34180.....	2.7603	EA	2
C34181.....	3.1509	EA	2
C34182.....	6.9489	EA	1
C34183.....	4.4631	EA	1
C34184.....	4.6847	EA	1
C34281.....	36.2160	EA	1
C34300-1.....	5.0304	EA	1
C34300.....	5.0304	EA	12
C34307-1.....	10.1314	EA	1
C34307.....	9.6893	EA	6
C34524.....	0.5821	EA	25
C34525.....	0.6041	EA	25
C34526.....	0.6251	EA	25
C34527.....	0.8577	EA	25
C34528.....	1.3234	EA	25
C34531.....	0.3765	EA	30
C34534.....	0.1022	EA	30
C34538.....	0.6207	EA	30
C34611.....	0.1196	EA	50
C34750.....	7.4882	EA	1
C3501.....	0.1584	EA	100
C350263.....	6.6240	EA	1
C3503.....	0.1106	EA	100
C3504.....	0.2472	EA	25
C3505.....	0.5053	EA	25
C350599.....	6.3070	EA	1
C353025.....	1.0648	EA	10
C353140.....	11.3804	EA	1
C353160.....	14.6687	EA	1
C353525.....	1.7345	EA	10
C353640.....	18.8368	EA	1
C353660.....	24.4006	EA	1
C353825.....	1.0133	EA	10
C353880.....	3.2136	EA	5
C353900.....	4.4165	EA	5
C353920.....	7.2715	EA	5
C353940.....	10.5371	EA	1
C353960.....	17.4371	EA	1
C354337.....	6.3070	EA	1
C358060.....	1.9772	EA	5
C358080.....	4.2619	EA	5
C358100.....	6.5266	EA	5
C358120.....	13.0500	EA	2
C358140.....	35.4595	EA	2
C358560.....	3.9034	EA	1
C358580.....	6.5822	EA	1
C358600.....	11.8956	EA	1
C358620.....	18.1671	EA	1
C358640.....	97.8567	EA	1
C358860.....	1.4105	EA	5
C358880.....	3.8833	EA	5
C358900.....	6.7841	EA	5
C358920.....	10.4459	EA	2
C358940.....	27.0583	EA	2
C36021.....	30.1369	EA	1
C36022.....	115.0352	EA	1
C361304.....	6.6886	EA	2
C361306.....	7.5366	EA	2
C361308.....	9.2962	EA	2
C361310.....	12.3914	EA	2
C361312.....	16.5148	EA	2
C361314.....	17.4476	EA	1
C361316.....	15.4544	EA	1
C361318.....	20.1082	EA	1
C361417.....	9.8898	EA	5
C361423.....	12.9108	EA	5
C361431.....	19.2496	EA	2
C36155.....	6.0351	EA	1
C36158.....	5.6380	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C36188.....	6.5289	EA	1
C36302.....	0.5464	EA	10
C36312.....	0.1983	EA	50
C36333.....	4.4422	EA	1
C36384.....	0.2715	EA	20
C36403.....	0.1332	EA	50
C36406.....	2.2909	EA	5
C36856.....	0.2922	EA	50
C36857.....	0.2985	EA	50
C36858.....	0.3037	EA	50
C36865.....	0.3061	EA	50
C36888.....	0.0856	EA	50
C36906.....	0.2077	EA	50
C36908.....	0.2876	EA	25
C36909.....	0.3739	EA	25
C36913.....	0.1582	EA	25
C36914.....	0.3828	EA	25
C36915.....	0.5167	EA	25
C36920.....	0.4974	EA	25
C36921.....	0.6714	EA	25
C36932.....	0.0678	EA	25
C36940.....	0.1722	EA	25
C36942.....	0.1350	EA	25
C36959.....	0.3739	EA	25
C3696.....	0.0621	EA	100
C36962.....	0.0763	EA	25
C36965.....	0.5167	EA	25
C36969.....	0.1190	EA	25
C3697.....	0.0699	EA	100
C36971.....	0.1515	EA	25
C36973.....	0.3684	EA	25
C36975.....	0.1722	EA	25
C36978.....	73.7696	EA	1
C36979.....	2.0758	EA	5
C3698.....	0.0800	EA	100
C3699.....	0.0800	EA	100
C3700.....	0.1009	EA	100
C3701.....	0.0864	EA	100
C37016.....	1.3886	EA	10
C3702.....	0.1270	EA	50
C37023.....	2.0352	EA	2
C37024.....	2.0352	EA	2
C37025.....	2.0352	EA	2
C37026.....	2.0352	EA	2
C37027.....	2.0352	EA	2
C37028.....	2.4582	EA	2
C37029.....	24.7831	EA	1
C3703.....	0.2073	EA	50
C37036.....	0.2704	EA	100
C3704.....	0.1542	EA	50
C37042.....	62.5532	EA	1
C37043-4.....	3.4416	EA	48
C37043.....	3.7849	EA	1
C37046.....	27.0277	EA	1
C37051.....	4.9264	EA	1
C37063.....	15.3806	EA	6
C37109.....	0.0292	EA	100
C37148.....	0.1803	EA	25
C37154.....	0.0395	EA	100
C37155.....	0.0286	EA	100
C37156.....	0.0303	EA	100
C37159.....	0.0261	EA	100
C37168.....	0.0295	EA	100
C37200.....	0.0724	EA	50
C37202.....	0.0833	EA	25
C37203.....	0.1322	EA	25
C37323.....	0.6420	EA	100
C37324.....	0.1820	EA	100
C37325.....	0.5840	EA	100
C37326.....	58.4215	EA	1
C37327.....	50.6192	EA	1
C37328.....	43.2162	EA	1
C37329.....	43.2162	EA	1
C37330.....	43.2162	EA	1
C37331.....	43.2162	EA	1
C37332.....	1.0758	EA	100
C37333.....	1.3582	EA	100
C37334.....	1.4817	EA	100
C37393.....	3.2754	EA	10
C37465.....	0.0245	EA	100
C37470.....	0.0560	EA	100
C37478.....	38.7854	EA	1
C37479.....	53.1272	EA	1
C37480.....	7.4704	EA	1
C37481.....	18.4571	EA	1
C37513.....	0.9964	EA	5
C37724.....	0.6360	EA	10
C38149.....	0.2304	EA	50
C38154.....	0.3320	EA	25
C38155.....	0.3751	EA	25
C38160.....	0.3320	EA	25
C38161.....	0.3751	EA	25
C38182.....	0.4776	EA	50
C38183.....	0.1017	EA	50
C38187.....	0.3089	EA	25
C38188.....	0.3707	EA	25
C38189.....	0.1004	EA	50
C38193.....	0.3194	EA	25
C38194.....	0.3833	EA	25
C38202.....	0.5541	EA	25
C38203.....	0.7204	EA	25
C38204.....	0.9366	EA	25
C38205.....	1.2175	EA	25
C38217.....	0.1800	EA	50
C38222.....	0.2301	EA	25
C38227.....	0.2301	EA	25
C38239.....	33.8714	EA	1
C38274.....	0.0436	EA	250
C38275.....	0.0974	EA	250
C38300.....	6.0472	EA	10
C38301.....	6.0472	EA	10
C38302.....	6.0472	EA	10
C38337.....	12.2701	EA	1
C38346.....	25.3796	EA	1
C38361.....	0.1247	EA	25
C38362.....	0.1039	EA	250
C3837.....	0.2345	EA	2
C38397.....	0.1113	EA	50
C38491.....	7.3921	EA	1
C38492.....	7.9224	EA	1
C38498.....	58.4215	EA	1
C38501.....	39.0261	EA	1
C38502.....	38.9031	EA	1
C38503.....	38.9031	EA	1
C38504.....	38.9031	EA	1
C38505.....	42.1053	EA	1
C38506.....	54.6855	EA	1
C38507.....	58.4215	EA	1
C38512.....	43.2162	EA	1
C38513.....	43.2162	EA	1
C38521.....	1.9610	EA	4
C38523.....	1.9610	EA	4
C38526.....	1.1236	EA	4
C38542.....	1.7808	EA	4
C38549.....	4.5938	EA	1
C38550.....	32.6429	EA	1
C38551.....	12.0395	EA	1
C38554.....	2.6371	EA	5
C38555.....	11.2586	EA	1
C38556.....	5.2894	EA	5
C38557.....	13.2723	EA	1
C39026.....	0.3883	EA	25
C39027.....	0.4407	EA	25
C39028.....	0.4814	EA	25
C39029.....	0.5162	EA	25
C39030.....	0.5745	EA	25
C39031.....	0.6893	EA	10
C39032.....	0.8913	EA	10
C39033.....	0.6662	EA	25
C39034.....	0.6946	EA	25
C39035.....	0.7485	EA	25
C39036.....	0.8703	EA	10
C39037.....	0.9488	EA	10
C39038.....	1.0322	EA	10
C39039.....	1.1010	EA	10
C39040.....	1.1082	EA	10
C39041.....	1.2421	EA	10
C39042.....	1.4891	EA	10
C39043.....	1.6424	EA	10
C39044.....	1.2516	EA	10
C39045.....	1.4255	EA	10
C39046.....	1.5553	EA	10
C39047.....	1.6589	EA	10
C39048.....	1.7702	EA	10
C39049.....	1.8656	EA	10
C39050.....	1.9928	EA	10
C39051.....	2.0988	EA	10
C39052.....	2.4274	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C39053.....	2.6500	EA	10
C39054.....	2.7984	EA	5
C39055.....	3.0528	EA	5
C39056.....	3.2330	EA	5
C39057.....	3.5086	EA	5
C39058.....	3.6782	EA	5
C39059.....	0.6736	EA	25
C39060-1.....	1.0007	EA	10
C39060.....	0.8605	EA	25
C39061-1.....	1.1869	EA	10
C39061.....	1.0914	EA	10
C39062.....	1.2660	EA	10
C39063.....	1.3886	EA	10
C39064-1.....	1.8020	EA	10
C39064.....	1.7211	EA	10
C39065-1.....	2.0458	EA	10
C39065.....	1.8868	EA	10
C39066-1.....	2.3320	EA	10
C39066.....	2.2684	EA	10
C39067-5.....	3.5828	EA	5
C39067-7.....	3.4420	EA	5
C39067.....	3.5828	EA	10
C39068.....	0.1977	EA	25
C39069.....	0.2790	EA	25
C39070.....	0.7105	EA	10
C39071.....	0.7718	EA	5
C39072.....	0.7796	EA	25
C39073.....	1.0303	EA	10
C39074.....	0.7738	EA	5
C39096.....	34.1723	EA	1
C39097.....	50.2864	EA	1
C39098.....	36.3633	EA	1
C39109.....	144.0320	EA	1
C39110.....	0.2861	EA	50
C39111.....	0.2861	EA	50
C39112.....	0.2861	EA	50
C39113.....	0.2861	EA	50
C39115.....	14.3029	EA	1
C39117.....	14.3029	EA	1
C39118.....	14.3029	EA	1
C39119.....	14.3029	EA	1
C39120.....	14.3029	EA	1
C39121.....	0.2754	EA	50
C39122.....	0.2861	EA	50
C39123.....	0.2861	EA	50
C39124.....	0.2752	EA	50
C39125.....	0.2750	EA	50
C39126.....	0.2861	EA	50
C39127.....	0.2754	EA	50
C39128.....	0.2754	EA	50
C39130.....	4.5509	EA	1
C39131.....	0.1380	EA	200
C39132.....	6.9588	EA	1
C39162.....	13.8804	EA	1
C39163.....	13.6291	EA	1
C39164.....	13.3530	EA	1
C39165.....	17.5538	EA	1
C39166.....	22.7311	EA	1
C39170-1.....	4.0824	EA	1
C39170.....	3.8822	EA	12
C39171-1.....	20.3889	EA	1
C39171.....	17.5740	EA	4
C39221.....	12.5057	EA	1
C39222.....	10.6255	EA	1
C39224.....	14.3590	EA	1
C39256.....	14.1722	EA	1
C39257.....	20.5852	EA	1
C39272.....	1.5501	EA	10
C39273.....	1.6892	EA	10
C39274.....	2.6615	EA	10
C39275.....	0.7727	EA	25
C39282.....	1.3325	EA	10
C39283.....	3.3360	EA	10
C39284.....	1.2192	EA	10
C39288.....	1.8444	EA	5
C39289.....	3.1871	EA	5
C39290.....	3.2219	EA	5
C39291.....	4.5389	EA	5
C39294.....	2.7750	EA	5
C39296.....	3.3178	EA	5
C39297.....	4.3639	EA	5
C39298.....	4.5464	EA	5
C39341.....	15.6867	RL	1
C39342.....	20.3199	RL	1
C39366-1.....	5.6043	EA	1
C39366.....	5.6043	EA	6
C39370-1.....	4.5915	EA	1
C39370.....	4.5915	EA	6
C39371.....	20.0878	EA	1
C39373.....	25.3311	EA	1
C39374-1.....	7.0474	EA	1
C39374.....	7.0474	EA	6
C39375.....	23.6069	EA	1
C39379.....	42.9171	EA	1
C39410.....	2.3769	EA	1
C39768.....	60.1524	EA	1
C39769.....	0.6338	EA	25
C39770.....	0.6338	EA	25
C39771.....	0.5961	EA	25
C39772.....	0.6317	EA	25
C39773.....	0.5961	EA	25
C39774.....	0.5565	EA	25
C39775.....	0.6317	EA	25
C39776.....	0.6338	EA	25
C39809.....	0.7308	EA	20
C39810.....	0.8121	EA	20
C39811.....	0.7308	EA	25
C39812.....	0.8121	EA	25
C39843.....	0.0211	EA	250
C39844.....	0.0279	EA	250
C39845.....	0.0425	EA	250
C39846.....	0.0685	EA	250
C39847.....	0.0204	EA	250
C39848.....	0.0262	EA	250
C39849.....	0.0371	EA	250
C39850.....	0.0647	EA	250
C39851.....	0.0653	EA	250
C39852.....	0.0269	EA	250
C39853.....	0.0218	EA	250
C39854.....	0.0286	EA	250
C39855.....	0.0457	EA	250
C39856.....	0.0667	EA	250
C39859.....	0.0843	EA	250
C39860.....	0.0957	EA	250
C39861.....	0.1200	EA	250
C39863.....	0.2594	EA	250
C39871.....	0.0156	EA	250
C39872.....	0.0238	EA	250
C39873.....	0.0296	EA	250
C39874.....	0.0552	EA	100
C39875.....	0.0693	EA	100
C39876.....	0.1550	EA	50
C39877.....	0.1805	EA	50
C39905-1.....	4.3206	EA	1
C39905.....	4.0316	EA	6
C39906-1.....	4.3206	EA	1
C39906.....	4.1038	EA	6
C39907-1.....	4.3206	EA	1
C39907.....	4.0316	EA	6
C39908-1.....	4.3206	EA	1
C39908.....	4.1038	EA	6
C39909-1.....	4.3206	EA	1
C39909.....	4.0316	EA	6
C39910-1.....	4.3206	EA	1
C39910.....	4.1038	EA	6
C39911-1.....	4.3206	EA	1
C39911.....	4.1038	EA	6
C39938.....	36.7618	EA	1
C39960.....	0.1100	EA	100
C39984.....	49.7851	EA	1
C39993.....	38.1356	EA	1
C40002.....	3.3829	EA	1
C40004.....	0.5358	EA	1
C40007.....	1.1886	EA	1
C40008.....	0.4053	EA	1
C40010.....	1.5249	EA	1
C40011.....	0.4636	EA	1
C40019.....	1.1719	EA	1
C40020.....	1.3875	EA	1
C40021.....	0.8586	EA	1
C40023.....	3.3382	EA	1
C40024.....	4.9078	EA	1
C40025.....	0.4224	EA	1
C40026.....	0.4636	EA	1
C40034.....	2.9290	EA	1
C40038.....	1.1608	EA	1
C40040.....	0.4636	EA	1
C40041.....	1.5249	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C40042.....	0.4636	EA	1
C40043.....	0.4636	EA	1
C40047.....	8.5963	EA	1
C40048.....	7.3634	EA	1
C40049.....	0.9239	EA	1
C40057.....	4.9078	EA	1
C40071.....	1.8374	EA	1
C40077.....	0.4576	EA	1
C40078.....	0.4361	EA	1
C40091.....	115.0887	EA	1
C401107.....	35.3616	EA	1
C40122.....	21.0597	EA	1
C40131.....	0.2287	EA	2
C40151.....	5.2203	EA	1
C40154.....	1.4424	EA	1
C40160.....	0.2513	EA	1
C40165.....	115.0887	EA	1
C40170.....	0.3440	EA	1
C40174.....	0.0295	EA	1
C40191.....	115.0887	EA	1
C40198.....	115.0887	EA	1
C40205.....	3.5409	EA	1
C40338.....	115.0887	EA	1
C403516.....	3.3108	EA	5
C403548.....	8.5427	EA	2
C403553.....	11.0339	EA	1
C403556.....	12.1476	EA	1
C403580.....	9.0393	EA	5
C403581.....	12.2166	EA	5
C403582.....	13.2995	EA	5
C403583.....	16.8375	EA	3
C403584.....	23.7099	EA	3
C403585.....	41.4550	EA	3
C403586.....	44.4017	EA	3
C403587.....	60.9636	EA	3
C403590.....	3.1803	EA	10
C403591.....	3.2754	EA	10
C403592.....	3.7092	EA	10
C403593.....	3.8266	EA	10
C403594.....	4.0916	EA	10
C403595.....	3.9736	EA	10
C403596.....	4.2415	EA	10
C403597.....	4.3672	EA	10
C403598.....	4.5059	EA	10
C403599.....	4.6428	EA	10
C403600.....	4.7704	EA	5
C403601.....	4.7704	EA	5
C403602.....	5.0057	EA	5
C403603.....	4.7704	EA	5
C403604.....	6.6533	EA	5
C403605.....	8.0870	EA	5
C403606.....	8.6721	EA	5
C403607.....	11.5241	EA	5
C403608.....	11.8587	EA	5
C403609.....	12.9359	EA	5
C403610.....	16.0810	EA	5
C403611.....	20.6382	EA	2
C403612.....	20.6382	EA	2
C403613.....	25.4698	EA	2
C403614.....	25.4698	EA	2
C403615.....	47.2195	EA	2
C403616.....	47.2195	EA	2
C403617.....	49.2519	EA	2
C403618.....	49.2519	EA	3
C403619.....	88.0454	EA	3
C403620.....	97.6928	EA	1
C403621.....	115.3777	EA	1
C403630.....	6.1951	EA	10
C403631.....	5.8475	EA	10
C403632.....	16.4072	EA	10
C403633.....	9.3940	EA	10
C403634.....	3.8266	EA	10
C403635.....	22.6501	EA	10
C403636.....	25.3129	EA	10
C403637.....	8.3963	EA	10
C403638.....	5.2469	EA	10
C403639.....	19.9770	EA	10
C403640.....	8.3782	EA	10
C403641.....	17.6968	EA	10
C403642.....	10.4317	EA	10
C403643.....	4.6428	EA	10
C403644.....	19.7622	EA	10
C403645.....	10.4959	EA	10
C403646.....	10.9567	EA	10
C403647.....	10.9567	EA	10
C403648.....	4.9184	EA	10
C403649.....	11.6097	EA	10
C403650.....	10.9567	EA	10
C403651.....	12.4522	EA	5
C403652.....	12.8117	EA	5
C403653.....	12.8236	EA	5
C403654.....	24.4718	EA	5
C403655.....	7.4459	EA	5
C403656.....	12.7190	EA	5
C403657.....	19.1675	EA	5
C403658.....	19.1719	EA	5
C403659.....	12.7305	EA	5
C403660.....	14.6708	EA	5
C403661.....	14.6708	EA	5
C403662.....	14.6708	EA	5
C403663.....	15.6292	EA	5
C403664.....	23.9535	EA	5
C403665.....	15.6292	EA	5
C403666.....	16.6327	EA	5
C403670.....	2.7774	EA	10
C403671.....	5.4427	EA	10
C403672.....	5.7885	EA	10
C403673.....	7.0507	EA	5
C403674.....	7.8922	EA	5
C403675.....	8.6256	EA	5
C403676.....	9.9497	EA	5
C403677.....	10.5944	EA	5
C403678.....	12.0199	EA	5
C403679.....	12.9540	EA	5
C403680.....	19.6743	EA	5
C403681.....	20.7684	EA	5
C403682.....	24.2688	EA	3
C403683.....	33.3445	EA	3
C403684.....	43.5476	EA	3
C403685.....	53.2439	EA	3
C403686.....	72.0864	EA	3
C403687.....	110.8109	EA	1
C403688.....	191.4376	EA	1
C4100000.....	2582.9868	EA	1
C4100011.....	46.0365	EA	1
C4100012.....	58.5282	EA	1
C4100013.....	67.1787	EA	1
C4100014.....	5.9784	EA	1
C4100015.....	5.9777	EA	1
C4100016.....	6.2722	EA	1
C4100021.....	1.5267	EA	1
C4100022.....	43.8110	EA	1
C4100023.....	341.9074	EA	1
C4100024.....	49.1310	EA	1
C4100025.....	27.2950	EA	1
C4100026.....	49.1310	EA	1
C4100027.....	27.2950	EA	1
C410107.....	0.2084	EA	50
C410144.....	0.1207	EA	50
C410146.....	0.6385	EA	100
C410250.....	0.6405	EA	100
C410261.....	0.1433	EA	50
C410328.....	0.1236	EA	50
C410420.....	0.2196	EA	50
C410940.....	0.2257	EA	50
C411164.....	1.3973	EA	10
C411165.....	0.4900	EA	25
C411221.....	0.1534	EA	50
C411251.....	0.1159	EA	50
C411440.....	0.4244	EA	10
C413409.....	0.1001	EA	50
C413410.....	0.1374	EA	50
C414216.....	0.2867	EA	50
C414217.....	0.2867	EA	50
C414224.....	0.1385	EA	50
C415110.....	0.1294	EA	100
C415112.....	0.3716	EA	50
C416503.....	9.3205	EA	5
C416506.....	4.4588	EA	5
C416507.....	3.1376	EA	5
C416508.....	3.8054	EA	5
C416509.....	6.1268	EA	5
C417200.....	0.5081	EA	10
C417542.....	1.6945	EA	10
C417552.....	1.6836	EA	10
C419362.....	0.3334	EA	10
C419363.....	0.3557	EA	10
C419364.....	0.3854	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C42001.....	0.2072	EA	2
C42002.....	0.3205	EA	2
C42004.....	1.3598	EA	2
C42005.....	1.5823	EA	2
C42006.....	2.8954	EA	1
C42008.....	3.6436	EA	1
C42011.....	0.4364	EA	1
C42012.....	5.1233	EA	1
C42014.....	0.4147	EA	1
C42015.....	1.4718	EA	1
C42016.....	1.4804	EA	1
C42017.....	3.4705	EA	1
C42018.....	1.3071	EA	1
C42019.....	1.2225	EA	1
C42020.....	1.8066	EA	1
C42021.....	0.2023	EA	1
C42022.....	21.1859	EA	1
C42023.....	0.8356	EA	1
C42024.....	0.2777	EA	2
C42025.....	0.1051	EA	2
C42027.....	0.2332	EA	2
C42028.....	0.1014	EA	2
C42029.....	0.1437	EA	2
C42032.....	7.5063	EA	1
C42035.....	0.1889	EA	3
C42036.....	0.2381	EA	1
C42037.....	0.1239	EA	2
C42038.....	5.3239	EA	1
C42042.....	0.4204	EA	1
C42068.....	0.8407	EA	1
C42074.....	0.2277	EA	1
C42075.....	16.6949	EA	1
C42079.....	24.1335	EA	1
C42083.....	0.1100	EA	2
C42085.....	0.1100	EA	1
C42086.....	0.5082	EA	1
C42090.....	0.4147	EA	1
C42091.....	0.2201	EA	1
C42093.....	0.2196	EA	1
C42094.....	0.1135	EA	2
C42096.....	0.3094	EA	1
C42101.....	0.3076	EA	1
C42102.....	0.2974	EA	1
C42103.....	0.2005	EA	1
C42105.....	0.2005	EA	1
C42106.....	0.6251	EA	1
C42108.....	0.4624	EA	2
C421210.....	0.1113	EA	100
C42122.....	15.3621	EA	1
C421302.....	0.2162	EA	50
C421306.....	0.2162	EA	50
C421316.....	0.3038	EA	25
C421326.....	0.3350	EA	25
C421328.....	0.2809	EA	25
C42133.....	5.4809	EA	1
C421330.....	0.3434	EA	25
C42138.....	0.6434	EA	1
C421416.....	2.8576	EA	5
C421418.....	4.6932	EA	5
C421420.....	3.9191	EA	3
C421422.....	4.2855	EA	5
C421424.....	4.4706	EA	5
C421426.....	4.6378	EA	5
C421428.....	8.5017	EA	5
C42147.....	0.4456	EA	1
C42149.....	8.7746	EA	1
C422304.....	0.3147	EA	25
C422325.....	0.7606	EA	50
C422404-4.....	0.0541	EA	1000
C422406-4.....	0.2401	EA	1000
C422408.....	0.8391	EA	25
C422445.....	0.4710	EA	50
C422501.....	0.1088	EA	100
C422506.....	0.1461	EA	100
C422513.....	0.5652	EA	50
C422514.....	0.5841	EA	50
C422515.....	0.5433	EA	50
C422519.....	0.1280	EA	100
C422524.....	0.2942	EA	100
C422531.....	0.8337	EA	50
C422532.....	1.0891	EA	50
C422533.....	1.0113	EA	50
C422536.....	0.2610	EA	100
C422537.....	0.2271	EA	100
C422541.....	0.2248	EA	100
C422542.....	0.2879	EA	100
C422543.....	0.2361	EA	100
C422544.....	0.2319	EA	100
C422602.....	0.0959	EA	1000
C422603.....	0.1702	EA	1000
C422605.....	0.1180	EA	1000
C422607.....	0.2005	EA	1000
C422911.....	0.6830	EA	50
C423008.....	16.6954	EA	1
C423009.....	19.7562	EA	1
C423010.....	23.0953	EA	1
C423011.....	26.5457	EA	1
C423012.....	31.1353	EA	1
C423910.....	0.2862	EA	10
C423912.....	0.3922	EA	10
C423913.....	0.4240	EA	10
C42399.....	2.0771	EA	1
C42413.....	16.7528	EA	2
C427107.....	0.2136	EA	50
C427111.....	0.4770	EA	50
C427118.....	0.6008	EA	25
C428111.....	14.1086	EA	1
C429924.....	17.7338	EA	1
C429926.....	9.3965	EA	1
C430104.....	9.3725	EA	1
C430105.....	6.2627	EA	1
C430111.....	16.7692	EA	1
C430204.....	8.0766	EA	1
C430212.....	17.0695	EA	1
C430216.....	9.0319	EA	1
C430220.....	7.6115	EA	1
C430236.....	11.0028	EA	1
C43105.....	3.9581	EA	1
C43106.....	1.8882	EA	1
C43107.....	0.2799	EA	1
C43108.....	4.7237	EA	1
C43109.....	24.2084	EA	1
C43110.....	0.4147	EA	1
C43112.....	0.3506	EA	1
C43113.....	9.4377	EA	1
C43123.....	0.2300	EA	2
C43124.....	0.2218	EA	1
C43144.....	0.5069	EA	1
C43149.....	55.1044	EA	1
C43154.....	96.1314	EA	1
C43161.....	37.0915	EA	1
C43162.....	0.5576	EA	1
C43167.....	16.2701	EA	1
C43179.....	12.7817	EA	1
C43187.....	41.4436	EA	1
C43188.....	41.2952	EA	1
C432104.....	9.5349	EA	1
C43215.....	1.5274	EA	1
C43244.....	6.2806	EA	2
C43245.....	6.4537	EA	2
C43254.....	0.3643	EA	1
C43271.....	0.5714	EA	1
C43282.....	0.5714	EA	1
C436104.....	11.0240	EA	1
C4385.....	2.1893	EA	5
C4386.....	4.2860	EA	10
C4387.....	4.3243	EA	5
C4388.....	1.7347	EA	5
C4389.....	3.0846	EA	5
C4390.....	0.5483	EA	10
C4391.....	0.6089	EA	10
C4398.....	5.1345	EA	5
C4399.....	1.5461	EA	5
C440340.....	29.6209	EA	1
C440470.....	27.0253	EA	1
C440503.....	8.7085	EA	3
C440616.....	18.2701	EA	1
C440617.....	28.4284	EA	1
C4416.....	0.8102	EA	5
C4417.....	2.1985	EA	1
C4418.....	2.5238	EA	3
C451100.....	1.8088	EA	10
C451101.....	0.6837	EA	25
C451104.....	0.5976	EA	50
C462320.....	1.4213	EA	5
C464020.....	3.1800	EA	5
C464030.....	5.3445	EA	5
C481210.....	1.6218	EA	4

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C481342.....	88.5584	EA	1
C484602.....	0.7092	EA	24
C484604.....	0.7075	EA	24
C484606.....	1.3054	EA	12
C484608.....	1.4438	EA	12
C484612.....	2.6571	EA	12
C492140.....	0.8586	EA	10
C492144.....	0.4982	EA	10
C492380.....	0.5194	EA	10
C500102.....	0.3455	EA	25
C500104.....	0.6341	EA	25
C500601.....	0.1831	EA	25
C501254.....	0.6165	EA	10
C501256.....	0.6165	EA	10
C506302.....	7.7629	EA	2
C506304.....	5.3224	EA	2
C506306.....	5.8249	EA	2
C5100005.....	74.5787	EA	1
C5100006.....	74.5787	EA	1
C5100049.....	37.9149	EA	1
C5100087.....	7.4257	EA	1
C5100125.....	5.4950	EA	1
C5100138.....	113.5154	EA	1
C5100149.....	38.2480	EA	1
C5100505.....	11.0176	EA	1
C5100508.....	11.0176	EA	1
C5100511.....	11.0176	EA	1
C5100513A.....	11.0176	EA	1
C5100515A.....	11.0176	EA	1
C5100516A.....	11.0176	EA	1
C5100518A.....	11.0176	EA	1
C5100521A.....	11.0176	EA	1
C5100522.....	11.0176	EA	1
C5100525A.....	11.0176	EA	1
C5100526A.....	11.0176	EA	1
C5100528A.....	11.0176	EA	1
C5100533A.....	11.0176	EA	1
C5100534A.....	11.0176	EA	1
C5100535A.....	11.0176	EA	1
C5100536A.....	11.0176	EA	1
C5100537.....	11.0176	EA	1
C5100540A.....	11.0176	EA	1
C5100602.....	14.6992	EA	1
C5100605.....	14.6992	EA	1
C511512.....	0.1992	EA	25
C512054.....	0.3395	EA	10
C512056.....	0.3786	EA	10
C512058.....	0.4326	EA	10
C512060.....	0.9808	EA	10
C512062.....	0.8938	EA	10
C512064.....	1.0834	EA	10
C512066.....	0.5184	EA	10
C512068.....	0.6857	EA	10
C512070.....	0.6419	EA	10
C512072.....	1.1112	EA	10
C512080.....	4.0268	EA	3
C512082.....	2.8935	EA	3
C512102.....	2.2435	EA	5
C512116.....	2.7813	EA	2
C512118.....	3.2422	EA	2
C512130.....	13.2944	EA	2
C512132.....	4.1221	EA	2
C512134.....	1.3992	EA	2
C512136.....	2.7984	EA	2
C512138.....	5.2437	EA	2
C512140.....	12.5439	EA	2
C516004.....	0.1281	EA	25
C516200.....	3.7206	EA	5
C516202.....	4.0054	EA	5
C516204.....	3.2058	EA	5
C516206.....	4.1675	EA	5
C516210.....	5.8504	EA	5
C516212.....	6.4514	EA	5
C516440.....	4.8475	EA	5
C516442.....	3.2806	EA	5
C516444.....	6.2264	EA	5
C516530.....	9.0531	EA	5
C516612.....	5.7217	EA	5
C516613.....	5.7835	EA	5
C516621.....	7.2826	EA	5
C516624.....	7.5265	EA	5
C516635.....	4.2207	EA	5
C516638.....	3.7193	EA	5
C516642.....	4.2758	EA	5
C516650.....	6.1963	EA	5
C516656.....	7.5265	EA	5
C516660.....	9.1487	EA	5
C516662.....	3.8670	EA	5
C516664.....	5.0164	EA	5
C516666.....	4.3651	EA	5
C516667.....	6.2264	EA	5
C516668.....	4.9729	EA	5
C516669.....	6.8722	EA	5
C517140.....	1.5953	EA	3
C517160.....	1.5883	EA	3
C517162.....	2.1430	EA	2
C517520.....	2.2048	EA	2
C517522.....	2.9044	EA	2
C517524.....	10.1128	EA	2
C517526.....	5.8172	EA	2
C517528.....	12.7467	EA	2
C517600.....	11.8915	EA	1
C517602.....	12.4204	EA	1
C517604.....	14.9893	EA	1
C527600.....	18.3179	EA	1
C527604.....	22.6319	EA	1
C527608.....	20.5884	EA	1
C527612.....	32.2069	EA	1
C527616.....	26.2906	EA	1
C530225.....	2.6564	EA	10
C530227.....	5.0986	EA	10
C530712.....	3.7123	EA	2
C531310.....	2.0352	EA	5
C531500.....	2.6072	EA	5
C5320.....	0.0474	EA	100
C5322.....	0.0487	EA	100
C5326.....	0.0540	EA	100
C5328.....	0.0565	EA	50
C5331.....	0.0391	EA	100
C5341.....	0.0495	EA	100
C534700.....	4.1388	EA	2
C534704.....	8.7841	EA	2
C534706.....	9.8351	EA	2
C534761.....	3.3072	EA	10
C534762.....	2.2307	EA	2
C534764.....	2.1094	EA	2
C5348.....	0.0539	EA	100
C534864.....	4.5057	EA	2
C5351.....	0.0566	EA	100
C5355.....	0.0594	EA	100
C5360.....	0.0605	EA	50
C536140.....	0.2697	EA	25
C536142.....	0.3225	EA	25
C536144.....	0.5531	EA	25
C536146.....	0.9520	EA	25
C536148.....	1.3334	EA	25
C5363.....	0.0610	EA	50
C538108.....	0.6572	EA	5
C538112.....	0.7632	EA	5
C538204.....	2.9509	EA	5
C538260.....	2.7596	EA	5
C538264.....	2.2366	EA	5
C5383.....	0.0725	EA	100
C538404.....	5.2349	EA	5
C538436.....	5.3282	EA	5
C538464.....	3.3844	EA	5
C538468.....	3.9870	EA	5
C538472.....	1.1978	EA	5
C538500.....	3.7524	EA	5
C538504.....	3.5404	EA	5
C538508.....	2.7560	EA	5
C538512.....	2.7030	EA	5
C5387.....	0.0673	EA	100
C5389.....	0.0694	EA	50
C5392.....	0.0938	EA	50
C540310.....	1.3412	EA	10
C543322.....	3.6994	EA	5
C543330.....	3.7736	EA	5
C544312.....	8.4303	EA	5
C544314.....	6.6627	EA	5
C544334.....	18.8899	EA	2
C546715.....	1.2979	EA	10
C5491.....	0.0418	EA	100
C550204.....	9.4872	EA	1
C550206.....	9.4520	EA	1
C550209.....	9.0378	EA	1
C550212.....	15.6648	EA	1
C550216.....	24.1044	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C550404.....	13.7211	EA	1
C550406.....	10.9599	EA	1
C550408.....	11.1670	EA	1
C550412.....	17.0887	EA	1
C550416.....	27.5615	EA	1
C552102.....	6.2858	EA	2
C552104.....	6.4660	EA	2
C552202.....	6.2116	EA	2
C552204.....	6.4660	EA	2
C552302.....	6.1480	EA	2
C552304.....	6.4342	EA	2
C552522.....	1.2339	EA	5
C552524.....	1.5695	EA	5
C552530.....	1.1464	EA	5
C553114.....	2.6606	EA	2
C554106.....	11.4311	EA	1
C5587-1.....	0.4409	EA	25
C5587.....	0.1623	EA	100
C560100.....	0.2809	EA	25
C560101.....	0.2813	EA	25
C560300.....	0.3472	EA	25
C560301.....	0.3476	EA	25
C560351.....	1.1921	EA	10
C560357.....	1.1979	EA	10
C560400.....	1.0018	EA	25
C560401.....	1.0118	EA	25
C560402.....	1.0221	EA	25
C560403.....	1.0324	EA	25
C560404.....	1.0427	EA	25
C560405.....	1.0533	EA	25
C560407.....	1.0640	EA	25
C560409.....	1.0746	EA	25
C560430.....	1.8463	EA	10
C560432.....	1.9212	EA	10
C5611.....	1.2668	EA	50
C562102.....	0.6909	EA	25
C562237.....	2.6222	EA	10
C562238.....	2.6273	EA	10
C562239.....	2.6325	EA	10
C562240.....	2.6376	EA	10
C562241.....	2.6428	EA	10
C562242.....	2.6479	EA	10
C562243.....	2.6531	EA	10
C562335.....	1.9858	EA	10
C562336.....	1.9957	EA	10
C562337.....	2.0057	EA	5
C562338.....	2.1060	EA	5
C562339.....	2.2114	EA	5
C562340.....	2.3220	EA	5
C562341.....	2.4381	EA	5
C562342.....	2.5600	EA	5
C562343.....	2.6881	EA	5
C562344.....	2.8224	EA	5
C562357.....	3.2999	EA	5
C562405.....	1.6526	EA	10
C562406.....	1.7395	EA	10
C562407.....	1.8312	EA	10
C562408.....	1.9277	EA	10
C562409.....	2.0290	EA	10
C562410.....	2.1359	EA	10
C562411.....	2.2482	EA	10
C562412.....	1.8974	EA	10
C562413.....	1.9928	EA	10
C562414.....	2.0246	EA	10
C562415.....	2.0776	EA	10
C562416.....	2.1942	EA	10
C562417.....	2.2366	EA	10
C562418.....	2.3002	EA	10
C562419.....	2.6500	EA	5
C562420.....	2.8832	EA	5
C562421.....	2.9256	EA	5
C562422.....	3.0316	EA	5
C562423.....	3.0528	EA	5
C562424.....	3.2118	EA	5
C562425.....	3.9496	EA	5
C562426.....	3.9585	EA	5
C562427.....	3.9664	EA	5
C562428.....	3.9743	EA	5
C562429.....	3.9822	EA	5
C562430.....	3.9901	EA	5
C562431.....	3.9980	EA	5
C563500.....	0.3221	EA	50
C563502.....	0.3257	EA	50
C563503.....	0.3270	EA	50
C563504.....	0.3328	EA	50
C563506.....	0.3472	EA	50
C563507.....	0.3561	EA	50
C563508.....	0.3651	EA	50
C563612.....	0.4520	EA	50
C563614.....	0.4568	EA	50
C563615.....	0.4592	EA	50
C563617.....	0.4640	EA	25
C563618.....	0.4664	EA	25
C563619.....	0.4688	EA	25
C563620.....	0.4712	EA	25
C563621.....	0.4736	EA	25
C563622.....	0.4760	EA	25
C563623.....	0.4784	EA	25
C563624.....	0.5445	EA	25
C563625.....	0.6094	EA	25
C563626.....	0.6527	EA	25
C563627.....	0.7104	EA	25
C563628.....	0.7717	EA	25
C563629.....	0.8258	EA	25
C563630.....	0.8583	EA	25
C563631.....	0.9124	EA	25
C563632.....	0.9700	EA	25
C563633.....	1.0422	EA	25
C563634.....	1.0638	EA	25
C563635.....	1.2008	EA	25
C563801.....	0.4849	EA	50
C563804.....	0.4918	EA	50
C563807.....	0.4997	EA	25
C563814.....	0.6134	EA	25
C563817.....	0.6515	EA	25
C563822.....	0.7114	EA	25
C5639.....	0.1429	EA	100
C565515.....	3.0725	EA	5
C566018.....	2.1942	EA	5
C566019.....	3.7703	EA	5
C566020.....	3.4238	EA	5
C566021.....	1.2481	EA	5
C566022.....	3.3920	EA	5
C566023.....	2.1465	EA	5
C566024.....	4.7635	EA	5
C566025.....	2.2011	EA	5
C566026.....	2.2647	EA	5
C566027.....	3.0528	EA	5
C566028.....	4.1764	EA	5
C566029.....	2.9150	EA	5
C566030.....	3.5086	EA	5
C566032.....	4.8760	EA	5
C566087.....	8.0422	EA	5
C566088.....	3.0188	EA	5
C566089.....	2.7510	EA	5
C566094.....	4.3376	EA	5
C566095.....	2.9536	EA	5
C566096.....	3.8912	EA	5
C566097.....	3.2180	EA	5
C566098.....	4.2896	EA	5
C566132.....	12.9958	EA	5
C566139.....	12.6523	EA	5
C566146.....	15.9525	EA	5
C566701.....	4.1556	EA	5
C566702.....	7.1813	EA	5
C566705.....	4.0972	EA	5
C566706.....	6.0342	EA	5
C566707.....	4.4991	EA	5
C566708.....	6.2437	EA	5
C5677.....	0.1508	EA	100
C5680.....	0.2554	EA	100
C5686.....	0.2112	EA	100
C5697.....	0.2916	EA	60
C570205.....	9.7626	EA	1
C570210.....	88.5570	EA	1
C573228.....	9.1316	EA	3
C573248.....	5.0767	EA	3
C573288.....	7.1762	EA	3
C573300.....	3.9602	EA	5
C573304.....	4.2871	EA	5
C581122.....	36.1788	EA	1
C582416.....	28.1536	EA	1
C583104.....	142.7704	EA	1
C583204.....	14.2560	EA	3
C583212.....	25.9231	EA	2
C586102.....	1.4881	EA	6
C586103.....	1.1556	EA	6
C586112.....	69.0696	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C586130.....	48.4360	EA	1
C59038.....	3.7210	EA	12
C602200.....	0.0433	EA	100
C602202.....	0.0551	EA	100
C602204.....	0.0772	EA	100
C602206.....	0.1273	EA	50
C602208.....	0.1353	EA	50
C602415.....	0.1865	EA	50
C6043-1.....	0.2601	EA	25
C6067.....	0.2560	EA	100
C6068.....	0.2250	EA	100
C6069.....	0.1818	EA	100
C6070.....	0.2275	EA	100
C6071.....	0.2171	EA	100
C6072.....	0.3050	EA	100
C6073.....	0.2340	EA	100
C6074.....	0.3500	EA	100
C6076.....	0.3391	EA	50
C6078.....	0.5750	EA	25
C6080.....	0.7038	EA	25
C6092.....	0.1667	EA	100
C611020.....	0.0309	EA	100
C611120.....	0.0309	EA	100
C6118.....	0.1427	EA	50
C6124.....	0.0649	EA	200
C613224.....	0.1764	EA	25
C613410.....	0.7695	EA	25
C613414.....	0.1339	EA	25
C613603.....	0.0316	EA	100
C613605.....	0.0523	EA	100
C613607.....	0.0705	EA	100
C613609.....	0.0910	EA	100
C613611.....	0.0050	EA	100
C613613.....	0.1557	EA	100
C613615.....	0.2329	EA	100
C613701.....	0.1421	EA	100
C613703.....	0.1726	EA	100
C613705.....	0.1977	EA	100
C613707.....	0.2114	EA	100
C613709.....	0.2776	EA	100
C614952.....	0.0118	EA	100
C614954.....	0.0159	EA	100
C61506.....	2.9862	EA	1
C6177.....	0.1944	EA	60
C6178.....	0.2841	EA	60
C620592.....	0.0279	EA	100
C620900.....	0.0273	EA	100
C624098.....	0.0803	EA	100
C625104.....	0.0486	EA	100
C625106.....	0.0528	EA	100
C625108.....	0.0582	EA	100
C625110.....	0.0636	EA	100
C625114.....	0.0718	EA	100
C625144.....	0.0654	EA	100
C625146.....	0.0674	EA	100
C625148.....	0.0768	EA	100
C625150.....	0.0860	EA	100
C625154.....	0.0995	EA	100
C625156.....	0.1151	EA	100
C625158.....	0.1319	EA	100
C625184.....	0.0849	EA	100
C625186.....	0.0892	EA	100
C625188.....	0.0985	EA	100
C625190.....	0.1078	EA	100
C625194.....	0.1355	EA	100
C625196.....	0.1557	EA	100
C625198.....	0.1759	EA	100
C625202.....	0.2264	EA	100
C626108.....	0.0690	EA	100
C626138.....	0.0809	EA	100
C626181.....	0.0629	EA	100
C626226.....	0.1527	EA	100
C627300.....	0.0635	EA	100
C627306.....	0.0567	EA	100
C627310.....	0.0604	EA	100
C627314.....	0.0683	EA	100
C627346.....	0.0948	EA	100
C627386.....	0.1133	EA	100
C627390.....	0.1144	EA	100
C627394.....	0.1477	EA	100
C627462.....	0.0849	EA	50
C627466.....	0.1113	EA	50
C627470.....	0.1855	EA	50
C627504.....	0.1906	EA	50
C627508.....	0.1741	EA	50
C629042.....	0.0757	EA	100
C629044.....	0.1087	EA	100
C629046.....	0.1260	EA	100
C629048.....	0.1266	EA	100
C629076.....	0.1260	EA	100
C629086.....	0.1825	EA	100
C629088.....	0.1960	EA	100
C629102.....	0.1418	EA	100
C629114.....	0.2249	EA	100
C629142.....	0.1433	EA	100
C629303.....	0.0287	EA	100
C629305.....	0.0306	EA	100
C629306.....	0.0321	EA	100
C629307.....	0.0379	EA	100
C632829.....	0.1625	EA	100
C633358.....	0.3321	EA	50
C637408.....	0.0635	EA	100
C637409.....	0.0269	EA	100
C637410.....	0.0463	EA	100
C637411.....	0.0311	EA	100
C637413.....	0.0384	EA	100
C637414.....	0.0764	EA	100
C637426.....	0.0528	EA	100
C637427.....	0.0334	EA	100
C637428.....	0.0598	EA	100
C637429.....	0.0417	EA	100
C637431.....	0.0505	EA	100
C637432.....	0.1007	EA	100
C637433.....	0.1259	EA	100
C637441.....	0.0451	EA	100
C637442.....	0.0808	EA	100
C637443.....	0.0561	EA	100
C637445.....	0.0712	EA	100
C637446.....	0.0727	EA	100
C637447.....	0.0935	EA	100
C637640.....	0.0713	EA	100
C637649.....	0.2009	EA	100
C637656.....	0.1137	EA	100
C637658.....	0.1292	EA	100
C637660.....	0.0914	EA	100
C637661.....	0.1805	EA	100
C637662.....	0.2040	EA	100
C637664.....	0.2835	EA	100
C637669.....	0.1878	EA	100
C637670.....	0.1190	EA	100
C645080.....	5.4043	EA	10
C645084.....	6.7334	EA	10
C645118.....	13.7636	EA	5
C650100.....	0.0335	EA	100
C650150.....	0.4126	EA	50
C650152.....	0.4164	EA	50
C650302.....	0.0332	EA	100
C650312.....	0.0299	EA	100
C650332.....	0.0400	EA	100
C650346.....	0.2034	EA	50
C650500.....	0.0410	EA	100
C650502.....	0.0414	EA	100
C650552.....	0.4454	EA	50
C650718.....	0.1877	EA	100
C650720.....	0.1979	EA	100
C650740.....	0.4513	EA	25
C650742.....	0.4628	EA	25
C650744.....	0.5011	EA	25
C652120.....	0.1073	EA	100
C652506.....	0.0373	EA	100
C652520.....	0.0801	EA	100
C653324.....	0.1088	EA	100
C653506.....	0.0551	EA	200
C653510.....	0.0581	EA	200
C655108.....	0.1082	EA	100
C655116.....	0.0764	EA	100
C655118.....	0.0801	EA	100
C656302.....	0.2023	EA	100
C656306.....	0.1972	EA	100
C656308.....	0.3598	EA	100
C656310.....	0.8414	EA	25
C659900.....	0.0974	EA	50
C659904.....	0.1575	EA	50
C660200.....	0.4668	EA	25
C660204.....	0.5334	EA	10
C660208.....	0.6967	EA	10
C660256.....	1.7136	EA	5
C660260.....	1.0893	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C660264.....	1.3495	EA	5
C660268.....	1.3467	EA	5
C6664.....	0.0926	EA	120
C670128.....	0.2936	EA	25
C671028.....	0.2593	EA	50
C671048.....	0.3022	EA	25
C672061.....	0.0940	EA	100
C672206.....	0.0843	EA	500
C672207.....	0.1005	EA	500
C672208.....	0.1151	EA	500
C673305.....	0.0369	EA	100
C673340.....	0.0350	EA	100
C673344.....	0.0414	EA	100
C673354.....	0.0560	EA	100
C673390.....	0.0656	EA	100
C673432.....	0.1124	EA	100
C673436.....	0.1308	EA	100
C673438.....	0.1494	EA	100
C673440.....	0.1686	EA	100
C673444.....	0.2233	EA	100
C674100.....	4.5898	EA	3
C674220.....	0.9136	EA	10
C674221.....	2.1875	EA	10
C674222.....	2.5133	EA	10
C674230.....	1.9821	EA	10
C674231.....	1.8447	EA	10
C674250.....	8.4588	EA	5
C674251.....	7.2504	EA	5
C674253.....	11.6600	EA	5
C674254.....	10.7379	EA	5
C674259.....	3.9919	EA	5
C674261.....	6.0526	EA	5
C674262.....	10.1315	EA	5
C674263.....	13.4320	EA	5
C674264.....	10.1477	EA	5
C674850.....	4.4983	EA	10
C674851.....	1.9140	EA	10
C674852.....	0.9654	EA	25
C674856.....	0.4148	EA	25
C674858.....	0.4753	EA	25
C676208.....	0.5911	EA	25
C676404.....	10.4749	EA	5
C676405.....	13.9093	EA	5
C676406.....	16.3134	EA	5
C676407.....	18.0306	EA	5
C676408.....	19.7478	EA	5
C676409.....	20.0912	EA	5
C676410.....	8.7577	EA	5
C676412.....	11.1618	EA	1
C676416.....	14.5962	EA	1
C676606.....	6.5155	EA	3
C676607.....	8.4712	EA	3
C676608.....	9.6796	EA	3
C676609.....	20.7195	EA	1
C676610.....	22.1611	EA	1
C676612.....	24.7157	EA	1
C676614.....	31.4502	EA	1
C676616.....	40.2235	EA	1
C680728.....	73.3520	EA	1
C680730.....	95.7557	EA	1
C682166.....	1.1063	EA	10
C690600.....	1.0600	EA	10
C690602.....	1.1130	EA	10
C690603.....	1.1130	EA	10
C690604.....	1.1448	EA	10
C690605.....	1.1448	EA	10
C690606.....	1.3462	EA	10
C690607.....	1.3462	EA	10
C690608.....	1.4840	EA	10
C690609.....	1.4840	EA	10
C690610.....	1.8020	EA	5
C690611.....	1.8020	EA	5
C690612.....	2.1730	EA	5
C690613.....	2.1730	EA	5
C690614.....	2.5758	EA	5
C690616.....	2.9786	EA	5
C690617.....	2.9786	EA	5
C690618.....	3.8266	EA	5
C690619.....	3.8266	EA	5
C690620.....	5.2894	EA	3
C690621.....	5.2894	EA	3
C690622.....	7.0702	EA	2
C690623.....	7.0702	EA	2
C69749.....	7.5818	EA	1
C701030.....	0.1434	EA	50
C701034.....	0.3045	EA	50
C701052.....	0.0443	EA	100
C701080.....	0.2001	EA	50
C701084.....	0.3864	EA	25
C701100.....	0.0740	EA	100
C701102.....	0.0668	EA	100
C701130.....	0.2317	EA	50
C701180.....	0.5312	EA	25
C701184.....	0.6113	EA	25
C701226.....	0.4024	EA	25
C701310.....	0.3508	EA	25
C701324.....	0.5367	EA	25
C701768.....	6.2540	EA	5
C701774.....	9.3068	EA	5
C701808.....	4.9396	EA	5
C701828.....	6.9393	EA	5
C702030.....	0.5574	EA	25
C702080.....	0.4500	EA	25
C702144.....	1.4946	EA	25
C702148.....	2.3610	EA	25
C70218.....	1.6691	EA	1
C702190.....	2.8770	EA	25
C702202.....	0.3399	EA	50
C702227.....	0.8856	EA	25
C702322.....	2.0301	EA	25
C702625.....	4.0980	EA	10
C702700.....	5.2959	EA	10
C702713.....	4.2879	EA	10
C702717.....	4.7307	EA	10
C702721.....	5.3220	EA	10
C702723.....	5.9661	EA	10
C703001.....	0.1161	EA	100
C703002.....	0.1203	EA	100
C703005.....	0.1224	EA	100
C703006.....	0.1302	EA	100
C703009.....	0.1356	EA	100
C703011.....	0.1449	EA	100
C703013.....	0.1557	EA	100
C703015.....	0.1800	EA	100
C703017.....	0.1965	EA	100
C703018.....	0.2202	EA	50
C703019.....	0.2202	EA	50
C703021.....	0.2325	EA	50
C703023.....	0.3261	EA	50
C703025.....	0.3972	EA	50
C703026.....	0.4563	EA	50
C703027.....	0.4734	EA	50
C703029.....	0.4950	EA	50
C703030.....	0.5331	EA	50
C703031.....	0.5151	EA	50
C703033.....	0.6156	EA	50
C703035.....	1.0938	EA	50
C703037.....	1.1355	EA	50
C703038.....	1.2543	EA	50
C703039.....	1.1823	EA	50
C703041.....	1.3719	EA	25
C703050.....	0.1662	EA	100
C703051.....	0.1662	EA	100
C703052.....	0.1749	EA	100
C703055.....	0.1770	EA	100
C703056.....	0.1860	EA	100
C703059.....	0.1962	EA	100
C703061.....	0.2166	EA	100
C703063.....	0.2400	EA	100
C703064.....	0.2685	EA	100
C703065.....	0.2634	EA	100
C703067.....	0.2937	EA	100
C703068.....	0.3078	EA	50
C703069.....	0.2895	EA	50
C703071.....	0.3300	EA	50
C703072.....	0.3483	EA	50
C703073.....	0.3780	EA	50
C703075.....	0.4254	EA	50
C703076.....	0.4695	EA	50
C703077.....	0.6450	EA	50
C703079.....	0.6807	EA	50
C703081.....	0.7134	EA	50
C703082.....	0.7065	EA	50
C703083.....	0.7065	EA	50
C703084.....	0.9570	EA	25
C703085.....	0.8604	EA	25
C703086.....	1.0806	EA	25
C703087.....	1.1307	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C703089.....	1.5249	EA	25
C703091.....	1.7478	EA	25
C703100.....	0.2271	EA	100
C703105.....	0.2421	EA	100
C703115.....	0.3663	EA	100
C703118.....	0.4254	EA	50
C703119.....	0.5454	EA	50
C703121.....	0.4623	EA	50
C703122.....	0.4905	EA	50
C703123.....	0.4695	EA	50
C703125.....	0.5346	EA	50
C703126.....	0.5928	EA	50
C703127.....	0.5736	EA	50
C703129.....	0.6744	EA	50
C703130.....	0.7716	EA	50
C703133.....	0.8895	EA	50
C703135.....	1.1082	EA	25
C703137.....	1.2792	EA	25
C703138.....	1.3902	EA	25
C703139.....	1.2909	EA	25
C703140.....	1.4487	EA	25
C703141.....	1.4487	EA	25
C703144.....	1.8774	EA	25
C703148.....	2.1117	EA	25
C703150.....	0.3600	EA	100
C703151.....	0.3456	EA	100
C703152.....	0.4626	EA	100
C703155.....	0.3945	EA	100
C703157.....	0.4323	EA	50
C703159.....	0.4830	EA	50
C703161.....	0.4695	EA	50
C703163.....	0.5481	EA	50
C703164.....	0.5880	EA	50
C703165.....	0.5490	EA	50
C703166.....	0.6300	EA	50
C703167.....	0.6300	EA	50
C703168.....	0.6720	EA	50
C703169.....	0.6390	EA	50
C703170.....	0.7242	EA	50
C703171.....	0.7242	EA	50
C703172.....	0.8478	EA	25
C703173.....	0.8343	EA	25
C703174.....	0.9237	EA	25
C703175.....	0.9237	EA	25
C703176.....	0.9387	EA	25
C703177.....	0.9258	EA	25
C703178.....	1.0392	EA	25
C703179.....	1.0392	EA	25
C703180.....	1.3353	EA	25
C703181.....	1.3689	EA	25
C703182.....	1.3686	EA	25
C703183.....	1.5906	EA	25
C703184.....	1.7829	EA	25
C703185.....	1.7991	EA	25
C703186.....	1.8687	EA	25
C703187.....	2.0499	EA	25
C703190.....	1.9983	EA	25
C703194.....	7.7910	EA	25
C703202.....	0.4890	EA	50
C703205.....	0.5439	EA	50
C703211.....	0.7086	EA	50
C703215.....	0.8034	EA	50
C703218.....	0.9273	EA	25
C703219.....	0.9273	EA	25
C703222.....	1.1418	EA	25
C703223.....	1.1418	EA	25
C703225.....	1.1775	EA	25
C703227.....	1.2615	EA	25
C703229.....	1.3107	EA	25
C703231.....	1.7268	EA	25
C703237.....	2.2614	EA	25
C703240.....	5.0880	EA	10
C703244.....	5.8512	EA	10
C703246.....	5.6757	EA	10
C703248.....	5.8671	EA	10
C703300.....	0.8991	EA	50
C703301.....	0.8991	EA	50
C703302.....	0.9597	EA	50
C703303.....	0.8604	EA	50
C703304.....	0.9888	EA	50
C703305.....	0.9888	EA	50
C703306.....	1.0878	EA	50
C703307.....	1.0077	EA	50
C703309.....	1.1433	EA	50
C703310.....	1.1829	EA	25
C703311.....	1.0821	EA	25
C703312.....	1.3005	EA	25
C703313.....	1.1886	EA	25
C703314.....	1.3773	EA	25
C703315.....	1.2126	EA	25
C703316.....	1.4544	EA	25
C703317.....	1.3299	EA	25
C703318.....	1.4862	EA	25
C703319.....	1.4994	EA	25
C703320.....	1.6464	EA	25
C703321.....	1.6464	EA	25
C703322.....	1.6950	EA	25
C703323.....	1.6428	EA	25
C703324.....	1.8555	EA	25
C703325.....	1.8555	EA	25
C703327.....	2.2170	EA	25
C703328.....	2.3046	EA	25
C703329.....	2.3541	EA	25
C703330.....	2.4570	EA	25
C703331.....	3.1677	EA	25
C703332.....	2.7654	EA	25
C703333.....	4.0548	EA	25
C703400.....	0.9717	EA	50
C703401.....	0.9717	EA	50
C703402.....	1.0053	EA	50
C703403.....	1.0053	EA	50
C703405.....	1.0788	EA	50
C703407.....	1.1658	EA	50
C703409.....	1.3005	EA	25
C703411.....	1.3797	EA	25
C703413.....	1.4697	EA	25
C703414.....	1.5249	EA	25
C703415.....	1.4472	EA	25
C703417.....	1.6167	EA	25
C703418.....	1.7214	EA	25
C703419.....	1.7214	EA	25
C703421.....	1.8270	EA	25
C703422.....	1.9047	EA	25
C703423.....	1.8513	EA	25
C703425.....	2.0232	EA	25
C703427.....	2.3415	EA	25
C703429.....	2.4972	EA	25
C703431.....	2.8632	EA	25
C703433.....	3.2922	EA	25
C703444.....	7.7877	EA	10
C703446.....	13.5150	EA	10
C703500.....	1.7214	EA	25
C703503.....	1.6689	EA	25
C703505.....	1.8270	EA	25
C703506.....	1.9353	EA	25
C703507.....	1.9353	EA	25
C703509.....	2.0946	EA	25
C703510.....	2.2050	EA	25
C703511.....	2.2050	EA	25
C703513.....	2.3586	EA	25
C703517.....	2.6055	EA	25
C703518.....	2.7030	EA	25
C703519.....	2.5815	EA	25
C703521.....	2.7921	EA	25
C703522.....	2.9367	EA	25
C703523.....	2.9367	EA	25
C703525.....	3.0528	EA	25
C703527.....	3.3390	EA	25
C703529.....	3.4980	EA	10
C703533.....	4.1022	EA	10
C703544.....	9.9870	EA	5
C703546.....	10.8129	EA	5
C703548.....	11.3208	EA	5
C703600.....	3.2118	EA	10
C703601.....	2.9727	EA	10
C703602.....	3.2904	EA	10
C703603.....	2.9988	EA	10
C703605.....	3.2754	EA	10
C703606.....	3.5934	EA	10
C703607.....	3.4551	EA	10
C703609.....	3.7206	EA	10
C703610.....	3.7842	EA	10
C703611.....	3.7680	EA	10
C703613.....	4.0386	EA	10
C703615.....	3.9765	EA	10
C703617.....	4.2612	EA	10
C703618.....	4.3884	EA	10
C703619.....	4.2894	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C703621.....	4.5474	EA	10
C703625.....	5.4060	EA	10
C703629.....	6.0420	EA	5
C703636.....	15.4548	EA	5
C703640.....	14.7753	EA	5
C703642.....	15.5745	EA	5
C703700.....	4.4166	EA	10
C703705.....	4.8018	EA	10
C703713.....	5.8194	EA	10
C703717.....	6.1374	EA	10
C703721.....	6.5826	EA	10
C703723.....	7.1868	EA	5
C703725.....	7.6638	EA	5
C703729.....	9.0312	EA	5
C703750.....	8.6847	EA	5
C703754.....	9.5970	EA	5
C703758.....	10.4505	EA	5
C703764.....	12.5952	EA	5
C703770.....	15.8520	EA	5
C703804.....	11.2383	EA	5
C703826.....	25.6686	EA	5
C704003.....	0.3652	EA	100
C704026.....	0.7204	EA	50
C704030.....	0.8734	EA	50
C704053.....	0.4232	EA	100
C704080.....	0.9868	EA	50
C704102.....	0.4447	EA	100
C704130.....	1.2166	EA	50
C704146.....	3.1945	EA	25
C704172.....	1.2256	EA	25
C704176.....	1.3669	EA	25
C704188.....	5.9512	EA	10
C704190.....	7.0324	EA	10
C704192.....	5.0557	EA	10
C704194.....	5.0821	EA	10
C704201.....	0.5776	EA	50
C704226.....	1.7467	EA	25
C704239.....	6.6508	EA	10
C704241.....	5.0551	EA	10
C704248.....	7.4374	EA	10
C704252.....	8.2219	EA	10
C704422.....	2.6401	EA	10
C704434.....	6.9772	EA	10
C704435.....	7.0525	EA	10
C704438.....	10.3660	EA	5
C704522.....	3.9202	EA	10
C704535.....	10.8754	EA	5
C704538.....	15.1513	EA	5
C704549.....	19.5298	EA	5
C704630.....	14.7916	EA	5
C704700.....	6.1738	EA	10
C704714.....	10.0942	EA	5
C704733.....	23.8525	EA	5
C704745.....	33.2845	EA	5
C704750.....	12.1522	EA	5
C71200.....	0.1159	EA	100
C712020.....	1.3996	EA	10
C712021.....	1.3996	EA	10
C712022.....	1.7000	EA	10
C712023.....	1.7000	EA	10
C712054.....	0.9244	EA	5
C712055.....	0.6821	EA	5
C712100.....	0.4800	EA	100
C712101.....	0.4593	EA	100
C712102.....	0.5825	EA	100
C712103.....	0.5819	EA	100
C712104.....	0.7420	EA	100
C712105.....	0.7234	EA	100
C712106.....	0.7125	EA	50
C712107.....	1.4191	EA	50
C712108.....	0.9550	EA	50
C712109.....	0.9709	EA	50
C712110.....	1.0800	EA	25
C712111.....	1.7307	EA	25
C712112.....	1.0550	EA	10
C712113.....	1.0592	EA	10
C712114.....	1.1275	EA	10
C712115.....	4.0530	EA	10
C712116.....	3.1725	EA	10
C712117.....	3.9963	EA	10
C712118.....	5.6000	EA	10
C712119.....	4.2532	EA	10
C712200.....	0.0537	EA	100
C712201.....	0.0537	EA	100
C712202.....	0.0681	EA	100
C712203.....	0.0697	EA	100
C712204.....	0.0865	EA	100
C712205.....	0.0854	EA	100
C712206.....	0.1389	EA	50
C712207.....	0.1395	EA	50
C712208.....	0.1723	EA	50
C712209.....	0.1783	EA	50
C712210.....	0.2643	EA	50
C712211.....	0.2635	EA	50
C712212.....	0.3247	EA	25
C712213.....	0.3247	EA	25
C712214.....	0.5449	EA	25
C712215.....	0.5479	EA	25
C712216.....	0.9740	EA	10
C712217.....	0.9740	EA	10
C712218.....	1.3874	EA	10
C712219.....	1.3797	EA	10
C713001.....	0.1410	EA	100
C713003.....	0.1965	EA	100
C713007.....	0.3840	EA	50
C713011.....	0.8223	EA	50
C713021.....	11.3208	EA	10
C713023.....	15.8682	EA	10
C713072.....	4.8676	EA	10
C713200.....	0.6500	EA	100
C713201.....	0.0645	EA	100
C713202.....	0.7000	EA	100
C713203.....	0.0701	EA	100
C713204.....	0.7500	EA	100
C713205.....	0.1057	EA	100
C713206.....	0.8000	EA	50
C713207.....	0.1755	EA	50
C713208.....	0.8500	EA	50
C713209.....	0.2173	EA	50
C713210.....	0.3313	EA	50
C713211.....	0.3224	EA	50
C713212.....	0.3924	EA	25
C713213.....	0.3924	EA	25
C713214.....	0.6839	EA	25
C713215.....	0.6850	EA	25
C713216.....	1.1848	EA	10
C713217.....	1.2068	EA	10
C713218.....	1.5412	EA	10
C713219.....	1.5364	EA	10
C714020.....	3.4284	EA	10
C714022.....	4.4742	EA	10
C714025.....	3.9330	EA	10
C714027.....	5.1768	EA	10
C714100.....	0.4650	EA	100
C714101.....	0.4650	EA	100
C714102.....	0.5825	EA	100
C714103.....	0.4825	EA	100
C714104.....	0.5530	EA	50
C714105.....	0.5530	EA	50
C714106.....	0.6900	EA	50
C714107.....	0.6120	EA	50
C714108.....	1.2690	EA	25
C714109.....	1.2690	EA	25
C714110.....	1.4100	EA	25
C714111.....	1.4100	EA	25
C714112.....	1.8180	EA	10
C714113.....	1.8180	EA	10
C714114.....	1.9150	EA	10
C714115.....	1.9150	EA	10
C714116.....	3.1897	EA	10
C714117.....	3.1897	EA	10
C714118.....	4.6275	EA	10
C714119.....	4.6275	EA	10
C714120.....	7.5164	EA	10
C714121.....	7.5164	EA	10
C714122.....	8.5780	EA	10
C714123.....	8.5780	EA	10
C71428.....	0.2885	EA	1
C71429.....	0.2885	EA	1
C71430.....	0.2885	EA	1
C71431.....	0.2885	EA	1
C71432.....	0.2885	EA	1
C71433.....	0.2885	EA	1
C723022.....	0.2132	EA	100
C723024.....	0.2179	EA	100
C723026.....	0.2265	EA	100
C723062.....	0.1978	EA	100
C723064.....	0.2020	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C723066.....	0.2104	EA	100
C723102.....	0.1441	EA	100
C723104.....	0.1527	EA	100
C723106.....	0.1571	EA	100
C723110.....	0.1719	EA	100
C723151.....	0.1557	EA	100
C723152.....	0.1615	EA	100
C723153.....	0.1615	EA	100
C723154.....	0.1658	EA	100
C723155.....	0.1658	EA	100
C723156.....	0.1725	EA	100
C723157.....	0.1725	EA	100
C723158.....	0.1807	EA	100
C723159.....	0.1807	EA	100
C723160.....	0.1905	EA	50
C723162.....	0.2041	EA	50
C723163.....	0.2041	EA	100
C723202.....	0.1890	EA	100
C723204.....	0.2378	EA	100
C723205.....	0.2378	EA	100
C723206.....	0.2487	EA	100
C723207.....	0.2487	EA	100
C723208.....	0.2587	EA	100
C723209.....	0.2563	EA	100
C723210.....	0.2723	EA	50
C723212.....	0.2914	EA	100
C723213.....	0.3606	EA	100
C723252.....	0.2922	EA	100
C723253.....	0.2893	EA	100
C723254.....	0.2966	EA	100
C723256.....	0.3150	EA	100
C723257.....	0.3117	EA	100
C723258.....	0.5236	EA	50
C723260.....	0.3117	EA	100
C723261.....	0.3431	EA	100
C723302.....	0.2947	EA	50
C723304.....	0.3579	EA	50
C723306.....	0.4310	EA	50
C723310.....	0.4842	EA	100
C723312.....	0.5352	EA	100
C725022.....	0.2352	EA	100
C725024.....	0.2436	EA	100
C725026.....	0.2374	EA	100
C725030.....	0.2716	EA	100
C725062.....	0.2290	EA	100
C725064.....	0.2336	EA	100
C725066.....	0.2437	EA	100
C725068.....	0.2665	EA	100
C725070.....	0.2519	EA	100
C725104.....	0.1816	EA	100
C725106.....	0.1866	EA	100
C725108.....	0.2049	EA	100
C725110.....	0.2042	EA	100
C725114.....	0.2309	EA	100
C725152.....	0.1915	EA	100
C725153.....	0.1842	EA	100
C725154.....	0.1964	EA	100
C725155.....	0.1889	EA	100
C725156.....	0.2054	EA	100
C725157.....	0.2073	EA	100
C725158.....	0.2151	EA	100
C725159.....	0.2069	EA	100
C725162.....	0.2425	EA	100
C725163.....	0.2331	EA	100
C725164.....	0.3025	EA	100
C725165.....	0.2849	EA	100
C725166.....	0.3764	EA	100
C725167.....	0.3542	EA	100
C725202.....	0.2209	EA	100
C725203.....	0.1992	EA	100
C725204.....	0.2764	EA	100
C725205.....	0.2657	EA	100
C725206.....	0.2882	EA	100
C725207.....	0.2599	EA	100
C725208.....	0.3013	EA	100
C725209.....	0.2897	EA	100
C725212.....	0.3391	EA	100
C725213.....	0.3261	EA	100
C725214.....	0.4224	EA	100
C725215.....	0.3868	EA	100
C725216.....	0.4677	EA	100
C725217.....	0.4548	EA	100
C725220.....	0.6244	EA	100
C725252.....	0.3398	EA	100
C725253.....	0.3480	EA	100
C725254.....	0.3457	EA	100
C725255.....	0.3501	EA	100
C725256.....	0.3667	EA	100
C725257.....	0.3526	EA	100
C725260.....	0.4032	EA	100
C725261.....	0.3877	EA	100
C725262.....	0.4969	EA	100
C725263.....	0.4969	EA	100
C725264.....	0.5810	EA	100
C725266.....	0.7306	EA	100
C725268.....	0.7952	EA	100
C725270.....	0.8814	EA	100
C725272.....	1.0557	EA	100
C725306.....	0.5027	EA	100
C725307.....	0.4834	EA	100
C725310.....	0.5631	EA	100
C725311.....	0.5414	EA	100
C725312.....	0.6227	EA	100
C725313.....	0.6377	EA	100
C725314.....	0.6839	EA	100
C725315.....	0.6577	EA	100
C725316.....	0.7169	EA	50
C725318.....	0.7525	EA	50
C725320.....	0.7845	EA	50
C725322.....	0.8946	EA	50
C725404.....	0.9204	EA	100
C725408.....	0.9433	EA	100
C725410.....	1.0406	EA	50
C725504.....	1.0905	EA	50
C725505.....	0.9835	EA	50
C725508.....	1.2172	EA	100
C725509.....	1.2415	EA	50
C725510.....	1.3446	EA	50
C725511.....	1.6485	EA	50
C725512.....	1.4751	EA	50
C725513.....	1.4183	EA	50
C725514.....	1.6039	EA	50
C725515.....	1.5422	EA	50
C725516.....	1.7385	EA	50
C725517.....	1.6716	EA	50
C725520.....	1.9191	EA	25
C725524.....	2.3411	EA	25
C725608.....	2.2822	EA	25
C725610.....	2.4934	EA	25
C725612.....	2.7200	EA	25
C725614.....	2.9673	EA	25
C725618.....	3.5443	EA	25
C725622.....	4.0801	EA	25
C725710.....	3.7349	EA	25
C725714.....	4.2758	EA	25
C725722.....	5.6822	EA	25
C727202.....	1.1836	EA	25
C727204.....	1.2156	EA	25
C727206.....	1.2450	EA	25
C727208.....	1.2792	EA	25
C727212.....	1.3478	EA	25
C727214.....	1.4064	EA	25
C727216.....	1.4849	EA	25
C727250.....	1.3139	EA	25
C727252.....	1.3452	EA	25
C727254.....	1.3795	EA	25
C727256.....	1.4122	EA	25
C727260.....	1.4822	EA	25
C727264.....	1.6176	EA	25
C727266.....	1.6428	EA	25
C727268.....	1.8563	EA	25
C727300.....	1.5250	EA	25
C727302.....	1.5563	EA	25
C727304.....	1.5916	EA	25
C727306.....	1.6267	EA	25
C727310.....	1.6963	EA	25
C727312.....	1.7667	EA	25
C727314.....	1.8359	EA	25
C727316.....	1.9267	EA	25
C727318.....	1.9834	EA	25
C727322.....	2.3491	EA	25
C727326.....	2.5964	EA	25
C727330.....	2.8334	EA	25
C727334.....	3.0750	EA	25
C727500.....	2.7561	EA	25
C727502.....	2.7973	EA	25
C727504.....	2.8076	EA	25
C727508.....	2.8952	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C727510.....	2.9776	EA	25
C727512.....	3.0704	EA	25
C727514.....	3.1373	EA	25
C727516.....	3.2043	EA	25
C727520.....	3.7143	EA	25
C727524.....	4.3016	EA	25
C727528.....	5.0228	EA	25
C727532.....	5.7749	EA	25
C727534.....	6.6353	EA	10
C727536.....	7.6297	EA	10
C727608.....	4.6673	EA	25
C727610.....	4.8219	EA	25
C727612.....	4.9507	EA	25
C727614.....	5.1310	EA	25
C727616.....	5.4710	EA	25
C727618.....	5.8059	EA	25
C727622.....	6.6919	EA	25
C727626.....	7.1298	EA	25
C727630.....	8.0416	EA	10
C727632.....	9.8447	EA	10
C727634.....	11.3078	EA	10
C727636.....	16.7606	EA	10
C727638.....	19.1399	EA	10
C727708.....	7.6398	EA	10
C727710.....	7.8871	EA	10
C727712.....	8.1292	EA	10
C727714.....	8.5207	EA	10
C727716.....	8.8711	EA	10
C727718.....	9.3399	EA	10
C727720.....	9.8344	EA	10
C727724.....	10.0559	EA	10
C727728.....	10.7720	EA	10
C727730.....	11.5808	EA	10
C727732.....	12.4514	EA	10
C727734.....	17.1085	EA	10
C727736.....	19.0300	EA	10
C731200.....	2.0140	EA	10
C7317.....	0.3204	EA	50
C736530.....	0.6823	EA	25
C737610.....	1.5582	EA	10
C737708.....	2.8832	EA	5
C737714.....	2.7510	EA	5
C737822.....	7.7789	EA	5
C737824.....	8.1395	EA	5
C7390.....	0.0864	EA	100
C739010.....	0.4379	EA	25
C739012.....	0.1866	EA	25
C739016.....	0.5085	EA	25
C739061.....	0.5062	EA	25
C739216.....	1.3992	EA	10
C739220.....	2.1903	EA	10
C746404.....	2.7560	EA	10
C7519.....	0.0495	EA	100
C7520.....	0.0539	EA	100
C7521.....	0.0594	EA	100
C7522.....	0.0498	EA	100
C7523.....	0.0787	EA	100
C7524.....	0.0673	EA	100
C752982.....	1.8235	EA	10
C752991.....	1.2020	EA	5
C752992.....	1.3472	EA	5
C7534.....	1.8338	EA	10
C7541.....	0.5145	EA	50
C754278.....	0.5207	EA	10
C755049.....	0.3320	EA	50
C755258.....	0.4886	EA	50
C7608.....	0.6821	EA	12
C7608W.....	0.6821	EA	12
C762124.....	0.7219	EA	10
C764203.....	0.0857	EA	100
C764205.....	0.1018	EA	100
C764206.....	0.2144	EA	100
C764207.....	0.2502	EA	50
C767000.....	0.2115	EA	100
C767001.....	0.1722	EA	100
C767002.....	0.2652	EA	100
C767003.....	0.2403	EA	100
C767004.....	0.3648	EA	100
C767005.....	0.2997	EA	100
C767006.....	0.6570	EA	50
C767007.....	0.5184	EA	50
C767008.....	0.8748	EA	50
C767009.....	0.7584	EA	50
C767010.....	1.2852	EA	50
C767011.....	1.0530	EA	50
C767012.....	1.2354	EA	50
C767013.....	1.0167	EA	50
C767014.....	2.5083	EA	25
C767015.....	2.1609	EA	25
C767016.....	4.3638	EA	25
C767017.....	3.5931	EA	25
C767018.....	5.4978	EA	10
C767019.....	5.3997	EA	10
C767020.....	8.6175	EA	10
C767021.....	8.0391	EA	10
C767022.....	11.2710	EA	10
C767023.....	10.5759	EA	10
C767024.....	26.7588	EA	10
C768000.....	0.0136	EA	100
C768002.....	0.0191	EA	100
C768004.....	0.0246	EA	100
C768006.....	0.0366	EA	50
C768008.....	0.0523	EA	50
C768010.....	0.0722	EA	50
C768012.....	0.0697	EA	50
C768014.....	0.1543	EA	25
C768016.....	0.2900	EA	25
C768018.....	0.4303	EA	10
C768020.....	0.4958	EA	10
C768022.....	0.6451	EA	10
C770002.....	0.1200	EA	100
C770102.....	0.1228	EA	100
C770104.....	0.1248	EA	100
C770106.....	0.1261	EA	100
C770152.....	0.1248	EA	100
C770154.....	0.1258	EA	100
C770156.....	0.1182	EA	100
C770160.....	0.1281	EA	100
C770254.....	0.1281	EA	100
C770256.....	0.1281	EA	100
C770258.....	0.1296	EA	100
C770260.....	0.1323	EA	100
C770264.....	0.1438	EA	100
C770268.....	0.1983	EA	100
C770306.....	0.1334	EA	100
C770308.....	0.1372	EA	100
C770310.....	0.1415	EA	100
C770314.....	0.1546	EA	100
C770316.....	0.2215	EA	100
C770318.....	0.2223	EA	100
C770322.....	0.2632	EA	100
C770360.....	0.1291	EA	100
C770364.....	0.1587	EA	100
C770368.....	0.2083	EA	100
C770372.....	0.3165	EA	100
C770464.....	0.4010	EA	100
C770466.....	0.4836	EA	100
C770468.....	0.5663	EA	50
C770472.....	0.7316	EA	50
C770924.....	1.6585	EA	1
C771002.....	0.0870	EA	100
C771003.....	0.0896	EA	100
C771004.....	0.0915	EA	100
C771006.....	0.0979	EA	100
C771008.....	0.1074	EA	100
C771052.....	0.1023	EA	100
C771054.....	0.1055	EA	100
C771056.....	0.1086	EA	100
C771058.....	0.1111	EA	100
C771060.....	0.1133	EA	100
C771066.....	0.1517	EA	100
C771102.....	0.1131	EA	100
C771103.....	0.1114	EA	100
C771104.....	0.1149	EA	100
C771105.....	0.1132	EA	100
C771106.....	0.1163	EA	100
C771107.....	0.1145	EA	100
C771108.....	0.1176	EA	100
C771109.....	0.1222	EA	100
C771110.....	0.1204	EA	100
C771114.....	0.1345	EA	100
C771118.....	0.1800	EA	100
C771122.....	0.2013	EA	100
C771152.....	0.1149	EA	100
C771154.....	0.1163	EA	100
C771156.....	0.1165	EA	100
C771158.....	0.1198	EA	100
C771160.....	0.1264	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C771164	0.1397	EA	100
C771166	0.1629	EA	100
C771168	0.1909	EA	100
C771170	0.2035	EA	100
C771172	0.2075	EA	100
C771204	0.1225	EA	100
C771205	0.1222	EA	100
C771206	0.1253	EA	100
C771207	0.1252	EA	100
C771208	0.1268	EA	100
C771209	0.1248	EA	100
C771210	0.1288	EA	100
C771211	0.1286	EA	100
C771214	0.1403	EA	100
C771215	0.1400	EA	100
C771216	0.1754	EA	100
C771217	0.1754	EA	100
C771218	0.1913	EA	100
C771219	0.1912	EA	100
C771220	0.2338	EA	100
C771222	0.2694	EA	100
C771223	0.2686	EA	100
C771225	0.2919	EA	100
C771254	0.1253	EA	100
C771255	0.1252	EA	100
C771256	0.1264	EA	100
C771257	0.1261	EA	100
C771258	0.1285	EA	100
C771259	0.1281	EA	100
C771260	0.1305	EA	100
C771261	0.1307	EA	100
C771264	0.1426	EA	100
C771265	0.1419	EA	100
C771266	0.1800	EA	100
C771267	0.1795	EA	100
C771268	0.1963	EA	100
C771269	0.1960	EA	100
C771270	0.2395	EA	100
C771272	0.2758	EA	100
C771273	0.2717	EA	100
C771274	0.3102	EA	100
C771276	0.3244	EA	100
C771280	0.5342	EA	100
C771306	0.1351	EA	100
C771307	0.1345	EA	100
C771308	0.1356	EA	100
C771309	0.1347	EA	100
C771310	0.1400	EA	100
C771311	0.1395	EA	100
C771314	0.1532	EA	100
C771315	0.1521	EA	100
C771316	0.1960	EA	100
C771317	0.1930	EA	100
C771318	0.2201	EA	100
C771319	0.2185	EA	100
C771320	0.2730	EA	100
C771322	0.3182	EA	100
C771324	0.3283	EA	100
C771326	0.4376	EA	100
C771356	0.1222	EA	100
C771357	0.1203	EA	100
C771360	0.1275	EA	100
C771361	0.1273	EA	100
C771364	0.1564	EA	100
C771365	0.1564	EA	100
C771366	0.1859	EA	100
C771368	0.2062	EA	100
C771369	0.2055	EA	100
C771372	0.3003	EA	100
C771376	0.6039	EA	100
C771378	0.6384	EA	50
C771380	0.6703	EA	100
C771382	0.7374	EA	50
C771410	0.3374	EA	100
C771414	0.3536	EA	100
C771418	0.4165	EA	100
C771422	0.5313	EA	50
C771426	0.9293	EA	50
C771464	0.3804	EA	100
C771465	0.3850	EA	100
C771466	0.4180	EA	100
C771468	0.4459	EA	50
C771469	0.4512	EA	100
C771472	0.6942	EA	50
C771473	0.6838	EA	50
C771474	0.8376	EA	50
C771476	1.0097	EA	50
C771478	1.1385	EA	25
C771480	1.1768	EA	25
C771482	1.2945	EA	25
C771484	1.4238	EA	25
C771516	0.5671	EA	50
C771517	0.7889	EA	100
C771518	0.6043	EA	50
C771522	0.7435	EA	50
C771523	0.9547	EA	100
C771524	1.0992	EA	25
C771526	1.3255	EA	25
C771530	1.7754	EA	25
C771568	1.3938	EA	50
C771572	1.6533	EA	50
C771574	1.7098	EA	25
C771576	1.7952	EA	25
C771580	2.3493	EA	10
C771584	2.8924	EA	10
C771622	2.4419	EA	10
C771672	2.9267	EA	10
C771680	5.4190	EA	10
C771684	7.3167	EA	10
C772193	1.0475	EA	1
C7749	0.0108	EA	1200
C781720	283.0256	EA	1
C7987	1.4891	EA	10
C7TZ-1120-AX	1.5943	EA	25
C7TZ-1121-AX	1.8747	EA	25
C800000	507.7400	EA	1
C800001	111.8082	EA	1
C800004	1.0816	EA	1
C800006	8.9952	EA	1
C800008	9.3965	EA	1
C800020	4.2227	EA	1
C800037	4.2181	EA	1
C800038	30.1146	EA	1
C800040	4.7667	EA	1
C800048	3.0984	EA	1
C800049	11.1959	EA	1
C800075	138.0047	EA	1
C800086	33.6935	EA	1
C80162	0.4978	EA	25
C80529	0.1252	EA	25
C80534	0.6752	EA	25
C80535	0.3439	EA	25
C80536	0.9759	EA	25
C80547	0.0381	EA	100
C80555	0.0726	EA	100
C80556	0.1582	EA	50
C80591	0.0233	EA	100
C8060	2.2090	EA	10
C80605	0.1748	EA	25
C8061	2.7048	EA	5
C80610	0.6716	EA	10
C8062	2.7462	EA	10
C8063	2.7292	EA	10
C80695	0.3196	EA	50
C80698	0.4773	EA	25
C80699	0.3847	EA	50
C80847	7.4487	EA	10
C81084	14.5629	EA	2
C81125	19.7690	EA	5
C81126	25.1750	EA	2
C81127	25.8439	EA	2
C81133	0.6505	EA	10
C81134	0.7824	EA	10
C81135	1.1602	EA	5
C81136	2.0082	EA	5
C81137	2.9465	EA	5
C81259	1.0704	EA	10
C81262	0.7255	EA	25
C81263	0.4749	EA	25
C81295	0.4684	EA	50
C81296	0.1759	EA	50
C81298	0.3160	EA	50
C81300	0.2082	EA	50
C81301-1	0.2891	EA	10
C81303-1	0.2056	EA	10
C81417	22.5310	EA	2
C81447	7.7804	EA	1
C81449	6.0094	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C81450.....	5.5563	EA	2
C81451.....	2.4093	EA	5
C81452.....	2.2612	EA	5
C81453.....	2.0865	EA	5
C81470.....	0.0665	EA	200
C81473.....	0.1135	EA	100
C81476.....	0.2465	EA	50
C81481.....	0.6243	EA	25
C81482.....	1.1723	EA	10
C81643.....	9.0439	EA	1
C81667.....	0.2620	EA	50
C81670.....	1.0324	EA	25
C81866-1.....	4.4460	EA	1
C81866.....	4.4460	EA	6
C81868-1.....	4.7106	EA	1
C81868.....	4.7106	EA	6
C81871-1.....	6.6406	EA	1
C81871.....	6.6406	EA	6
C8200.....	29.5196	EA	1
C82924.....	0.1147	EA	25
C82925.....	0.1699	EA	25
C82926.....	0.2145	EA	25
C82927.....	0.3458	EA	10
C82928.....	0.4071	EA	10
C82949.....	0.0131	EA	100
C82950.....	0.0158	EA	100
C82951.....	0.0196	EA	100
C82952.....	0.0275	EA	50
C82953.....	0.0455	EA	50
C82954.....	0.0739	EA	50
C82955.....	0.0911	EA	25
C82983.....	3.3371	EA	5
C82984.....	2.8654	EA	5
C82986.....	4.3485	EA	5
C82988.....	0.2458	EA	100
C82989.....	0.1744	EA	100
C82993.....	0.2057	EA	100
C83001.....	0.3684	EA	25
C83007.....	0.4000	EA	25
C83012.....	0.3800	EA	50
C83017.....	1.5016	EA	10
C83020.....	1.7748	EA	10
C83025.....	0.2907	EA	100
C83041.....	1.4414	EA	25
C83072.....	0.2380	EA	50
C83075.....	0.1432	EA	50
C83089.....	0.1479	EA	50
C83093.....	0.0873	EA	100
C83094.....	0.0873	EA	100
C83101.....	0.4946	EA	50
C83103.....	1.1058	EA	50
C83105.....	0.0642	EA	50
C83107.....	0.0940	EA	50
C83240-1.....	4.5071	EA	1
C83240.....	4.5071	EA	6
C83315.....	0.8185	EA	10
C83347.....	4.7002	BX	1
C83357.....	1.7808	EA	5
C83395-1.....	4.0007	EA	1
C83395.....	3.8488	EA	6
C83466-1.....	7.1587	EA	1
C83466.....	7.1587	EA	6
C83467.....	19.6516	EA	1
C83468.....	27.5313	EA	1
C83478.....	6.6568	EA	2
C83486.....	34.3469	EA	1
C83487.....	10.3562	EA	2
C83488.....	9.4976	EA	2
C83489.....	9.4446	EA	2
C83490.....	23.5002	EA	2
C83499.....	15.0626	EA	2
C83502.....	49.3915	EA	1
C83504.....	14.7128	EA	2
C83517.....	0.0946	EA	50
C83537.....	3.6633	EA	10
C83539.....	4.0413	EA	10
C83551.....	6.4833	EA	10
C83591.....	0.3554	EA	25
C83593.....	0.3995	EA	25
C83595.....	0.4159	EA	25
C83600-1.....	4.5577	EA	1
C83600.....	4.5577	EA	6
C83612.....	24.8464	EA	1
C83615.....	28.3411	EA	1
C83814.....	19.7683	EA	1
C83862.....	8.2247	EA	1
C83911.....	10.6636	EA	1
C83922.....	0.5936	EA	10
C83928.....	1.7278	EA	10
C83942.....	1.3600	EA	10
C83943.....	1.3600	EA	10
C83995.....	6.7204	EA	1
C84023.....	57.1234	EA	1
C84024.....	2.1540	EA	5
C84025.....	2.6289	EA	5
C84026.....	2.8833	EA	5
C84027.....	3.1546	EA	5
C84028.....	4.4742	EA	5
C84038-1.....	0.5521	EA	25
C84038.....	0.4738	EA	100
C84042-1.....	0.3433	EA	10
C84042.....	0.1706	EA	100
C84043-1.....	0.6771	EA	10
C84043.....	0.4436	EA	100
C84044-1.....	0.2293	EA	10
C84044.....	0.0708	EA	50
C84045-1.....	0.7443	EA	10
C84045.....	0.5699	EA	50
C84080.....	12.2717	EA	1
C84268.....	0.0677	EA	50
C84278.....	0.1740	EA	50
C84281.....	0.2065	EA	25
C84282.....	0.2478	EA	25
C84283.....	0.2974	EA	25
C84377.....	0.1095	EA	50
C84378.....	0.1152	EA	50
C84379.....	0.1199	EA	50
C84380.....	0.1262	EA	50
C84381.....	0.1394	EA	50
C84382.....	0.1584	EA	50
C84383.....	0.1543	EA	50
C84384.....	0.2002	EA	50
C84385.....	0.2160	EA	50
C84386.....	0.2625	EA	25
C84387.....	0.2827	EA	25
C84388.....	0.2951	EA	25
C84389.....	0.3377	EA	25
C84390.....	0.4774	EA	25
C84540.....	22.4932	RL	1
C84541.....	34.4606	RL	1
C84547.....	0.0938	EA	100
C84551.....	0.1627	EA	100
C84553.....	0.0923	EA	50
C8460.....	0.6682	EA	10
C84603.....	15.0206	EA	1
C84628.....	0.0533	EA	100
C84634.....	0.0596	EA	100
C84635.....	0.0602	EA	100
C84640.....	0.0462	EA	100
C84648.....	0.0919	EA	50
C84651.....	0.3097	EA	50
C84739.....	0.3755	EA	25
C84741.....	0.7557	EA	10
C84766.....	66.4726	EA	4
C84776.....	0.2919	EA	25
C84845.....	5.8679	EA	2
C84916.....	1.8489	EA	2
C84937.....	41.5164	EA	1
C84940.....	20.2149	EA	1
C84941.....	55.3591	EA	1
C84942.....	97.1596	EA	1
C84995.....	0.0592	EA	100
C84996.....	0.0778	EA	100
C84998.....	0.1427	EA	100
C85000.....	0.0252	EA	100
C85002.....	0.0314	EA	100
C85003.....	0.0376	EA	100
C85004.....	0.1299	EA	50
C85006.....	0.1442	EA	50
C85009.....	0.1335	EA	50
C85011.....	0.0385	EA	50
C85014.....	0.0878	EA	50
C85015.....	0.1444	EA	50
C85019.....	0.0648	EA	50
C85020.....	0.4288	EA	50
C85024.....	601.5531	EA	1
C85061.....	0.0290	EA	100
C85064.....	0.0452	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C85065.....	0.0322	EA	100
C85078.....	0.0611	EA	25
C85083-1.....	5.5637	EA	1
C85083.....	5.5637	EA	6
C85173-1.....	6.1673	EA	1
C85173.....	6.1673	EA	6
C85260.....	14.0768	EA	2
C85286.....	0.1487	EA	50
C85365.....	0.1936	EA	25
C85366.....	0.1529	EA	100
C85376.....	1.0942	EA	5
C85399.....	0.5777	EA	36
C85400.....	1.2002	EA	36
C85435.....	0.3947	EA	50
C85437.....	0.7208	EA	50
C85475.....	3.8280	EA	1
C85501.....	0.1112	EA	50
C85521.....	0.1740	EA	50
C85525.....	0.1882	EA	50
C85535.....	27.3798	EA	1
C85584.....	2.5546	EA	1
C85600.....	13.6008	EA	1
C85604.....	12.9600	EA	1
C85608.....	25.8731	EA	1
C85613.....	0.0984	EA	100
C85614.....	72.9335	EA	1
C85636.....	1.3212	EA	10
C85656.....	5.0774	EA	2
C85657.....	4.9290	EA	2
C85665.....	0.2302	EA	100
C85670.....	0.3336	EA	100
C85671.....	0.3837	EA	100
C85682.....	1.3327	EA	25
C85684.....	2.1080	EA	25
C85714-1.....	4.8167	EA	2
C85714.....	10.8042	EA	1
C85715-1.....	7.9850	EA	1
C85715.....	12.2508	EA	1
C85716-1.....	13.0078	EA	1
C85716.....	14.3078	EA	1
C85732.....	0.1491	EA	50
C85754.....	0.1420	EA	50
C85815.....	3.1376	EA	25
C85816.....	4.6261	EA	10
C85817.....	7.8864	EA	10
C85866.....	0.1701	EA	50
C85867.....	0.1618	EA	50
C85869.....	0.0981	EA	50
C85870.....	0.1868	EA	25
C85873.....	0.3369	EA	25
C85874.....	1.3250	EA	10
C85878.....	0.3200	EA	100
C85879.....	0.3550	EA	100
C85880.....	0.3900	EA	100
C85881.....	0.4150	EA	50
C85882.....	0.4515	EA	50
C85883.....	0.4925	EA	50
C85884.....	0.5780	EA	25
C85885.....	0.6000	EA	10
C85886.....	0.6725	EA	10
C85887.....	0.7500	EA	10
C85888.....	0.7369	EA	5
C85889.....	0.7420	EA	5
C85890.....	4.7276	EA	1
C85982.....	0.3134	EA	50
C85983.....	0.3759	EA	50
C85984.....	0.3974	EA	50
C85986.....	0.1627	EA	100
C86127.....	0.2313	EA	50
C86146.....	1.6230	EA	5
C86147.....	1.6230	EA	5
C86208.....	0.9736	EA	10
C86209.....	1.0909	EA	10
C86214.....	1.5610	EA	5
C86217.....	0.6420	EA	10
C86221.....	3.5355	EA	5
C86224.....	6.1893	EA	5
C86232.....	3.0680	EA	5
C86234.....	3.3093	EA	5
C86235.....	3.4352	EA	5
C86255.....	0.0326	EA	100
C86258.....	0.0457	EA	100
C86262.....	0.0372	EA	50
C86307.....	22.2705	EA	1
C86313.....	0.0085	EA	100
C86314.....	0.1400	EA	100
C86315.....	0.2472	EA	50
C86347.....	0.6483	EA	25
C86373.....	0.4190	EA	25
C86376.....	0.5416	EA	25
C86379.....	0.1764	EA	50
C86380.....	0.1842	EA	50
C86381.....	0.5592	EA	100
C86382.....	0.7983	EA	100
C86383.....	0.4943	EA	100
C86386.....	0.2375	EA	100
C86424.....	132.0313	EA	1
C86469.....	21.0904	EA	1
C86470.....	2.4238	EA	4
C86480.....	0.1867	EA	50
C86481.....	0.1814	EA	50
C86482.....	0.2084	EA	50
C86483.....	0.2071	EA	50
C86484.....	0.1862	EA	50
C86485.....	0.1803	EA	50
C86486.....	0.1814	EA	50
C86487.....	0.1814	EA	50
C86488.....	0.7137	EA	25
C86489.....	0.8798	EA	10
C86490.....	0.9540	EA	10
C86506.....	17.3811	EA	1
C86507.....	23.4412	EA	1
C86541.....	8.0125	EA	1
C86563.....	3.1922	EA	12
C86564.....	4.2014	EA	6
C86581.....	0.2370	EA	60
C86697.....	1.0133	EA	10
C86700.....	1.1163	EA	10
C86703.....	1.0133	EA	10
C86706.....	1.3739	EA	10
C86709.....	1.8546	EA	10
C86713.....	0.6610	EA	10
C86714.....	1.6398	EA	10
C86750.....	0.4982	EA	10
C86771.....	0.3652	EA	25
C86773.....	0.2901	EA	50
C86774.....	0.2061	EA	50
C86838.....	6.8174	EA	1
C86839.....	6.5735	EA	1
C86847.....	8.6144	EA	1
C86880.....	0.3621	EA	25
C86916.....	0.0410	EA	100
C86917.....	0.0523	EA	100
C86918.....	0.0638	EA	100
C86919.....	0.0911	EA	100
C87007.....	0.0729	EA	50
C87026.....	59.7098	EA	1
C87190.....	1.5182	EA	10
C87297.....	0.0090	EA	100
C87310.....	0.3485	EA	10
C87311.....	0.2183	EA	10
C87313.....	0.5518	EA	10
C87333.....	16.1252	EA	1
C87338.....	0.1999	EA	50
C87339.....	0.2219	EA	50
C87340.....	0.2497	EA	50
C87341.....	0.2780	EA	50
C87369.....	13.9336	EA	1
C87370.....	11.5191	EA	1
C87401.....	4.3596	EA	5
C87422.....	0.0533	EA	100
C87423.....	0.0366	EA	100
C87424.....	0.0388	EA	100
C87425.....	0.0400	EA	100
C87426.....	0.0424	EA	100
C87427.....	0.0448	EA	100
C87428.....	0.0869	EA	50
C87429.....	0.1090	EA	50
C87430.....	0.1196	EA	100
C87431.....	0.0459	EA	100
C87432.....	0.0467	EA	100
C87433.....	0.0661	EA	100
C87434.....	0.0710	EA	100
C87435.....	0.0763	EA	50
C87436.....	0.0657	EA	50
C87437.....	0.0496	EA	100
C87438.....	0.0492	EA	100
C87439.....	0.0534	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C87440.....	0.0816	EA	100
C87441.....	0.0599	EA	100
C87442.....	0.0908	EA	50
C87443.....	0.0962	EA	50
C87444.....	0.1420	EA	25
C87445.....	0.1608	EA	25
C87447.....	0.1685	EA	25
C87448.....	0.1844	EA	25
C87449.....	0.2028	EA	25
C87450.....	0.2115	EA	25
C87451.....	0.2655	EA	25
C87452.....	0.3451	EA	25
C87453.....	0.3505	EA	25
C87454.....	0.1740	EA	25
C87455.....	0.1826	EA	25
C87457.....	0.2174	EA	25
C87495.....	36.3915	EA	1
C87517.....	0.3952	EA	50
C87554.....	0.3745	EA	10
C87578.....	5.0715	EA	1
C87586.....	117.6084	EA	1
C87590.....	0.3449	EA	10
C87601.....	8.9570	EA	1
C87602.....	9.1262	EA	1
C87603.....	0.0731	EA	100
C87626.....	0.1245	EA	50
C87638.....	0.2115	EA	60
C87649.....	1.6080	EA	10
C87658.....	0.5458	EA	24
C87667.....	1.7937	EA	2
C87671.....	0.1587	EA	50
C87672.....	0.1648	EA	50
C87673.....	0.1649	EA	50
C87674.....	0.1585	EA	50
C87683.....	0.1492	EA	50
C87684.....	0.1483	EA	50
C87685.....	0.1819	EA	50
C87686.....	0.2039	EA	50
C87687.....	0.2575	EA	50
C87688.....	0.3746	EA	50
C87690.....	0.5657	EA	25
C87691.....	0.5462	EA	25
C87692.....	0.6340	EA	25
C87693.....	0.7642	EA	25
C87694.....	0.8427	EA	25
C87695.....	1.0305	EA	25
C87701.....	0.2004	EA	50
C87702.....	0.2097	EA	50
C87707.....	3.4980	EA	3
C87708.....	3.4980	EA	3
C87734.....	20.5004	EA	1
C87735.....	103.5514	EA	1
C87736.....	135.9874	EA	1
C87737-1.....	1.5688	EA	1
C87737-12.....	1.6568	EA	12
C87737.....	1.4310	EA	6
C87738-1.....	1.5688	EA	1
C87738-12.....	1.6568	EA	12
C87738.....	1.4310	EA	6
C87739-1.....	1.5688	EA	1
C87739-12.....	1.6568	EA	12
C87739.....	1.4310	EA	6
C87740-1.....	1.6748	EA	1
C87740-12.....	1.7711	EA	12
C87740.....	1.5158	EA	6
C87741-1.....	1.7490	EA	1
C87741-12.....	1.8329	EA	12
C87741.....	1.5688	EA	6
C87742-1.....	1.7490	EA	1
C87742-12.....	1.8329	EA	12
C87742.....	1.5688	EA	6
C87743-1.....	1.7490	EA	1
C87743-12.....	1.8329	EA	12
C87743.....	1.5688	EA	6
C87744-1.....	1.8974	EA	1
C87744-12.....	2.2039	EA	12
C87744.....	1.8025	EA	3
C87745-1.....	2.0988	EA	1
C87745-12.....	2.4450	EA	12
C87745.....	1.9939	EA	3
C87746-1.....	2.3532	EA	1
C87746-12.....	2.7540	EA	12
C87746.....	2.2355	EA	3
C87747-1.....	2.5864	EA	1
C87747-12.....	3.0013	EA	12
C87747.....	2.4571	EA	3
C87748-1.....	2.7348	EA	1
C87748-12.....	3.1806	EA	12
C87748.....	2.5981	EA	3
C87749-1.....	2.9468	EA	1
C87749-12.....	3.4279	EA	12
C87749.....	2.7995	EA	3
C87750-1.....	4.4096	EA	1
C87750-12.....	5.1372	EA	12
C87750.....	4.1891	EA	2
C87751-1.....	4.8442	EA	1
C87751-12.....	5.6317	EA	12
C87751.....	4.6020	EA	2
C87752-1.....	5.5756	EA	1
C87752-6.....	6.6078	EA	6
C87752.....	5.2968	EA	2
C87753-1.....	5.7770	EA	1
C87753-6.....	6.7795	EA	6
C87753.....	5.4882	EA	2
C87754-6.....	7.4647	EA	6
C87754.....	6.4236	EA	1
C87755-6.....	8.4476	EA	6
C87755.....	7.2610	EA	1
C87756-6.....	9.3131	EA	6
C87756.....	8.0030	EA	1
C87757-6.....	9.9405	EA	6
C87757.....	8.5436	EA	1
C87758-6.....	11.3562	EA	6
C87758.....	9.7626	EA	1
C87759-6.....	11.7797	EA	6
C87759.....	10.1230	EA	1
C87760-6.....	12.8708	EA	6
C87760.....	11.0664	EA	1
C87761-6.....	13.1428	EA	6
C87761.....	11.2890	EA	1
C87762-6.....	15.0592	EA	6
C87762.....	12.9638	EA	1
C87763-6.....	15.8164	EA	6
C87763.....	13.5892	EA	1
C87764-6.....	16.5675	EA	6
C87764.....	14.2464	EA	1
C87765-6.....	16.5675	EA	6
C87765.....	14.2464	EA	1
C87782.....	5.5380	EA	5
C87783.....	7.6584	EA	5
C87785.....	6.4653	EA	5
C87799.....	6.8900	EA	1
C87867.....	0.6623	EA	50
C87868.....	0.3301	EA	50
C87871.....	0.1611	EA	50
C87879.....	0.3208	EA	50
C87881.....	0.4022	EA	10
C87882.....	0.3466	EA	25
C87884.....	0.4646	EA	25
C87886.....	0.5112	EA	25
C87894.....	0.9693	EA	10
C87897.....	0.6339	EA	25
C87899.....	0.7052	EA	25
C87901.....	0.9481	EA	25
C87902.....	1.1061	EA	25
C87906.....	0.7272	EA	25
C87908.....	0.9975	EA	25
C87909.....	0.8798	EA	10
C87910.....	1.3443	EA	10
C87911.....	1.4310	EA	10
C87912.....	1.7362	EA	10
C87958.....	1.6797	EA	1
C88019.....	15.7410	EA	1
C88064.....	12.7056	EA	1
C88077.....	0.1270	EA	25
C88079.....	0.3143	EA	25
C88082.....	0.2391	EA	25
C88089.....	0.7726	EA	25
C88101.....	8.3477	EA	1
C88107.....	90.9586	EA	1
C88109.....	2.7278	EA	1
C88110.....	0.1052	EA	50
C88114.....	0.1633	EA	50
C88115.....	0.1804	EA	50
C88116.....	0.1738	EA	50
C88117.....	0.2025	EA	50
C88118.....	0.1082	EA	50
C88121.....	0.1181	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C8812789.....	1.3047	EA	10
C88150.....	7.5606	EA	1
C8815364.....	56.5714	EA	1
C8815365.....	60.3820	EA	1
C8815366.....	102.1383	EA	1
C8815448.....	6.2962	EA	5
C8815450.....	9.3500	EA	5
C8815457.....	5.5706	EA	4
C8815460.....	6.6914	EA	4
C8815472.....	11.0330	EA	4
C8815473.....	12.0229	EA	4
C8815474.....	12.1360	EA	4
C8815475.....	12.1400	EA	4
C8815476.....	7.4180	EA	4
C8815478.....	10.2764	EA	2
C8815481.....	8.3934	EA	4
C8815491.....	12.6514	EA	5
C8815502.....	9.7462	EA	5
C8815503.....	11.3652	EA	5
C8815805.....	111.0815	EA	1
C8815806.....	141.9568	EA	1
C8815987.....	4.5453	EA	5
C8815990.....	3.0104	EA	5
C8815991.....	3.0645	EA	5
C8816031.....	9.1205	EA	2
C8816066.....	18.2214	EA	5
C88218-1.....	10.9045	EA	1
C88218.....	10.7043	EA	6
C88220-1.....	13.7102	EA	1
C88220.....	14.3842	EA	6
C88233.....	31.1004	EA	1
C88239.....	0.1578	EA	25
C88300.....	4.2090	EA	1
C8831345.....	1.3977	EA	1
C8831346.....	2.8454	EA	1
C88339.....	0.1916	EA	50
C88340.....	0.2194	EA	50
C88341.....	0.2240	EA	50
C88356.....	0.1938	EA	50
C88357.....	0.1850	EA	50
C88373.....	0.1727	EA	50
C8840131.....	0.7863	EA	10
C8841392.....	5.5453	EA	1
C8841738.....	2.9945	EA	10
C8841740.....	0.6877	EA	10
C88426.....	0.2880	EA	50
C88492.....	1.6851	EA	10
C88494.....	3.1401	EA	5
C88498.....	9.0418	EA	3
C88500.....	15.6725	EA	3
C88584.....	1.0918	EA	10
C88590.....	1.2044	EA	3
C8860253.....	11.2661	EA	2
C8860503.....	0.6297	EA	25
C8860524.....	3.7078	EA	1
C8860525.....	3.4344	EA	1
C8860538.....	12.9808	EA	1
C8860663.....	1.6038	EA	10
C8860743.....	8.7366	EA	1
C8860744.....	7.7366	EA	1
C88702.....	1.7115	EA	10
C8875034.....	0.1199	EA	100
C8875036.....	0.1295	EA	100
C8880946.....	0.5693	EA	25
C8880965.....	0.3117	EA	25
C8880966.....	0.6707	EA	25
C8882732.....	2.1156	EA	5
C8882923.....	3.1271	EA	1
C8883402.....	2.5991	EA	2
C8883686.....	0.4170	EA	5
C8883687.....	4.3586	EA	5
C8883698.....	2.4487	EA	5
C8883807.....	3.3173	EA	1
C8883819.....	5.9869	EA	1
C8883914.....	4.4390	EA	10
C8884099.....	0.5694	EA	25
C8884169.....	0.3557	EA	25
C8884441.....	17.8797	EA	1
C8884443.....	18.1050	EA	1
C8884447.....	18.1503	EA	1
C8884449.....	25.3337	EA	1
C88853.....	0.2330	EA	50
C88854.....	0.2368	EA	50
C88861.....	0.2459	EA	25
C8888012.....	0.0509	EA	50
C8888013.....	0.0483	EA	50
C8888014.....	0.0539	EA	50
C8888015.....	0.0433	EA	50
C8888016.....	0.0671	EA	50
C8888017.....	0.0577	EA	50
C8888018.....	0.1163	EA	50
C8888020.....	0.0603	EA	50
C8888021.....	0.2003	EA	25
C8888022.....	0.1048	EA	25
C8888023.....	0.0661	EA	25
C8888024.....	0.2137	EA	25
C8888025.....	0.1050	EA	25
C8888026.....	0.0878	EA	25
C8888027.....	0.2489	EA	25
C8888028.....	0.1681	EA	25
C8888029.....	0.0903	EA	25
C8888030.....	0.2103	EA	25
C8888031.....	0.1719	EA	25
C8888032.....	0.3317	EA	25
C8888033.....	0.2211	EA	10
C8888035.....	0.3833	EA	10
C8888036.....	0.4581	EA	10
C8888037.....	0.8282	EA	10
C8888038.....	0.7409	EA	10
C8888402.....	5.3742	EA	1
C8888792.....	3.1884	EA	2
C8888823.....	16.3146	EA	1
C8888825.....	12.3636	EA	1
C8889471.....	4.1955	EA	1
C8889472.....	4.1955	EA	1
C8889473.....	13.9336	EA	1
C8889474.....	13.9336	EA	1
C8889660.....	25.2125	EA	1
C8889729.....	3.5789	EA	1
C8889739.....	58.5290	EA	1
C8889831.....	1.3169	EA	10
C8889914.....	3.1801	EA	5
C89019.....	1.0144	EA	25
C89062.....	0.4581	EA	10
C89097.....	5.9583	EA	1
C89101.....	30.6225	EA	1
C89121.....	0.8102	EA	10
C89130.....	14.9887	EA	1
C89133.....	0.7532	EA	25
C89134.....	0.9332	EA	25
C89142.....	3.5169	EA	1
C89145.....	2.5546	EA	1
C89147.....	14.8612	EA	1
C89148.....	19.1542	EA	1
C89165.....	74.6582	EA	1
C89166.....	4.6862	EA	1
C89167.....	0.9285	EA	25
C89168.....	0.5573	EA	25
C89169.....	0.3629	EA	25
C89179.....	9.3121	EA	1
C89220.....	22.6975	EA	1
C89294.....	4.3990	EA	5
C89295.....	2.4566	EA	5
C89301.....	0.5912	EA	50
C89303.....	1.0304	EA	25
C89304.....	0.8853	EA	25
C89305.....	0.9962	EA	25
C89306.....	1.3992	EA	25
C89376.....	12.0364	EA	1
C89377.....	0.2336	EA	50
C89378.....	143.0084	EA	1
C89378B.....	66.3136	EA	1
C89379.....	0.1799	EA	25
C89390.....	0.5935	EA	25
C89392.....	1.1514	EA	25
C89396.....	1.6723	EA	10
C89398.....	0.0549	EA	100
C89399.....	0.0515	EA	100
C89415.....	15.7622	EA	1
C89416.....	2.2838	EA	1
C89417.....	2.2838	EA	1
C89418.....	2.2838	EA	1
C89419.....	2.2838	EA	1
C89420.....	2.2838	EA	1
C89421.....	2.2505	EA	1
C89422.....	2.2838	EA	1
C89423.....	2.2838	EA	1
C89424.....	2.2505	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C89425.....	2.2505	EA	1
C89435.....	7.5347	EA	1
C89462.....	0.3763	EA	50
C89466.....	0.6169	EA	50
C89470.....	0.5794	EA	50
C89472.....	0.6799	EA	50
C89474.....	1.4821	EA	25
C89475.....	0.8428	EA	25
C89476.....	1.5871	EA	25
C89477.....	0.8527	EA	25
C89478.....	1.6453	EA	25
C89479.....	0.9799	EA	25
C89480.....	1.7956	EA	25
C89506.....	0.7654	EA	50
C89508.....	1.8472	EA	25
C89510.....	1.6150	EA	25
C89511.....	1.1371	EA	25
C89512.....	2.0254	EA	25
C89513.....	1.2406	EA	25
C89514.....	2.2198	EA	25
C89544.....	1.7953	EA	25
C89546.....	2.7604	EA	25
C89570.....	1.2877	EA	25
C89572.....	1.8199	EA	10
C89573.....	1.7791	EA	10
C89574.....	3.1585	EA	10
C89576.....	3.1705	EA	10
C89604.....	2.1106	EA	10
C89610.....	0.9889	EA	25
C89614.....	1.1236	EA	25
C89617.....	1.7332	EA	25
C89618.....	1.6858	EA	25
C89621.....	1.8739	EA	10
C89622.....	1.9270	EA	10
C89629.....	2.0227	EA	10
C89630.....	2.0227	EA	10
C89632.....	2.7715	EA	10
C89633.....	3.2758	EA	10
C89634.....	3.2758	EA	10
C89635.....	3.4816	EA	10
C89636.....	5.3635	EA	10
C89664.....	9.8683	EA	5
C89666.....	11.8294	EA	5
C89670.....	1.9228	EA	10
C89678.....	2.4325	EA	10
C89690.....	3.6934	EA	10
C89696.....	13.5457	EA	5
C89699.....	3.0892	EA	10
C89700.....	3.3754	EA	10
C89703.....	5.0449	EA	5
C89704.....	6.4051	EA	5
C89716.....	5.5378	EA	5
C89727.....	6.7462	EA	5
C89730.....	5.0608	EA	5
C89731.....	9.9661	EA	5
C89732.....	9.1162	EA	5
C89740.....	6.8098	EA	5
C89744.....	8.0500	EA	5
C89785.....	7.9429	EA	1
C89859.....	1.1012	EA	5
C89897-1.....	9.0362	EA	1
C89897.....	9.0362	EA	6
C89899.....	0.6553	EA	10
C89900.....	0.6553	EA	10
C89904.....	0.6481	EA	40
C89928.....	6.0595	EA	3
C89929.....	6.7081	EA	3
C89931.....	7.3080	EA	3
C89936.....	3.4143	EA	3
C89937.....	30.3672	EA	1
C90033.....	0.1369	EA	50
C90035.....	0.1205	EA	50
C90049.....	0.3475	EA	10
C90184.....	0.2689	EA	25
C90185.....	0.2689	EA	25
C90186.....	0.3212	EA	10
C90187.....	1.7605	EA	10
C90199.....	0.5134	EA	1
C9023.....	0.3462	EA	10
C90397.....	0.4608	EA	10
C90399.....	0.200	EA	10
C90400.....	0.6852	EA	10
C90401.....	0.7506	EA	10
C90402.....	0.7967	EA	10
C90403.....	0.8495	EA	10
C90404.....	0.9327	EA	10
C90405.....	0.9804	EA	10
C90406.....	1.0680	EA	10
C90407.....	1.1550	EA	10
C90408.....	1.4488	EA	5
C90409.....	1.4160	EA	5
C90410.....	1.4896	EA	5
C90411.....	2.0466	EA	5
C90412.....	1.7120	EA	5
C90413.....	1.8867	EA	5
C90414.....	2.0227	EA	5
C90415.....	1.0555	EA	10
C90416.....	1.1090	EA	10
C90417.....	1.1692	EA	10
C90418.....	1.2227	EA	10
C90419.....	1.3164	EA	10
C90420.....	1.4279	EA	10
C90421.....	1.5045	EA	10
C90422.....	1.9335	EA	5
C90423.....	1.8399	EA	5
C90424.....	2.5447	EA	5
C90425.....	2.0585	EA	5
C90426.....	2.4540	EA	5
C90427.....	2.2800	EA	5
C90428.....	2.4919	EA	5
C90429.....	2.8986	EA	5
C90430.....	3.4563	EA	5
C90431.....	4.4466	EA	5
C90432.....	1.8005	EA	5
C90433.....	1.8228	EA	5
C90434.....	1.9581	EA	5
C90435.....	2.0205	EA	5
C90436.....	2.4503	EA	5
C90437.....	2.6629	EA	5
C90438.....	2.9083	EA	5
C90439.....	3.4645	EA	5
C90440.....	4.0734	EA	5
C90441.....	4.5344	EA	5
C90442.....	4.9508	EA	5
C90444.....	2.3566	EA	5
C90446.....	2.6280	EA	5
C90448.....	2.4744	EA	5
C90450.....	2.9726	EA	5
C90452.....	3.1104	EA	5
C90456.....	4.2340	EA	5
C90478.....	5.1240	EA	5
C90482.....	6.4812	EA	5
C90486.....	7.7956	EA	1
C90488.....	8.4634	EA	1
C90490.....	9.4704	EA	1
C90491.....	6.5766	EA	1
C90492.....	6.9370	EA	1
C90495.....	14.8441	EA	1
C90501.....	10.2124	EA	1
C90502.....	10.6364	EA	1
C90503.....	11.1770	EA	1
C90508.....	0.3946	EA	10
C90558.....	0.0968	EA	100
C90588.....	0.0194	EA	100
C90591.....	0.0257	EA	100
C90592.....	0.0406	EA	100
C90601.....	0.1051	EA	25
C90624.....	0.0939	EA	100
C90634.....	0.7750	EA	10
C90692.....	0.5304	EA	25
C90699.....	4.1435	EA	5
C90708.....	1.1024	EA	5
C9100021.....	3418.5714	EA	1
C911556.....	1.3239	EA	10
C911672.....	0.8458	EA	10
C911686.....	3.2244	EA	10
C911690.....	1.2354	EA	10
C911778.....	2.3614	EA	10
C9129.....	0.1469	EA	50
C9130.....	0.1171	EA	50
C9139.....	0.0423	EA	100
C9140.....	0.0430	EA	100
C9141.....	0.0505	EA	100
C916850.....	0.1679	EA	50
C9175.....	25.0942	EA	1
C92254.....	1.9157	EA	5
C92312.....	0.1714	EA	50
C92350.....	0.1382	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C92448-1.....	0.1206	EA	50
C92448.....	0.1096	EA	100
C92449-1.....	0.1206	EA	50
C92449.....	0.1096	EA	100
C92450-1.....	0.1669	EA	50
C92450.....	0.1517	EA	100
C92451-1.....	0.1669	EA	50
C92451.....	0.1517	EA	100
C92452-1.....	0.2611	EA	50
C92452.....	0.2374	EA	100
C92453-1.....	0.2611	EA	50
C92453.....	0.2374	EA	100
C92454-1.....	0.3255	EA	25
C92454.....	0.2960	EA	50
C92455-1.....	0.3255	EA	25
C92455.....	0.2960	EA	50
C92456-1.....	0.4838	EA	25
C92456.....	0.4399	EA	50
C92457-1.....	0.4838	EA	25
C92457.....	0.4399	EA	50
C92458.....	0.6303	EA	25
C92459.....	0.6303	EA	25
C92460.....	0.9469	EA	25
C92461.....	0.9469	EA	25
C92462.....	1.4385	EA	25
C92463.....	1.4385	EA	25
C92464.....	2.3439	EA	10
C92465.....	2.3439	EA	10
C92466.....	4.5892	EA	10
C92467.....	4.5892	EA	10
C92477.....	8.7506	EA	3
C92526.....	15.2189	EA	1
C92527.....	15.2537	EA	1
C9253-B.....	0.4515	EA	1600
C9253.....	0.4680	EA	100
C92532.....	0.3320	EA	25
C92533.....	0.6479	EA	20
C92539.....	0.4478	EA	10
C92541.....	1.6642	EA	10
C92542.....	1.8974	EA	10
C92543.....	2.6818	EA	10
C92544.....	2.9362	EA	10
C9255.....	0.2268	EA	50
C92551.....	3.2966	EA	5
C92552.....	3.7948	EA	5
C9258.....	0.2859	EA	100
C92590.....	26.9254	EA	1
C9260.....	0.3330	EA	50
C92654.....	0.2212	EA	25
C92672.....	3.6686	EA	2
C9291.....	0.1529	EA	120
C92917.....	34.2274	EA	1
C92967.....	0.4718	EA	10
C92983.....	2.0483	EA	5
C93000.....	36.4306	EA	1
C93007.....	0.0825	EA	50
C93011.....	0.0990	EA	50
C93015.....	0.1050	EA	50
C93019.....	0.1584	EA	50
C93021.....	0.1050	EA	50
C93024.....	0.1269	EA	50
C93025.....	0.1584	EA	50
C93030.....	0.1237	EA	50
C93036.....	0.1237	EA	50
C93044.....	0.1032	EA	50
C93050.....	0.1157	EA	50
C93053.....	0.1388	EA	25
C93056.....	0.3067	EA	50
C93059.....	0.1644	EA	25
C93063.....	0.3796	EA	25
C9310.....	0.0298	EA	100
C93721.....	13.0719	EA	1
C93726.....	1.7642	EA	10
C93746.....	17.6384	EA	1
C93768.....	27.5918	EA	1
C93832.....	1.5303	EA	25
C93834.....	1.0242	EA	25
C93835.....	1.4058	EA	25
C93836.....	1.4499	EA	25
C93839.....	2.8929	EA	10
C93866.....	0.0695	EA	50
C94008.....	0.0212	EA	100
C94009.....	0.0429	EA	100
C94016.....	0.0520	EA	100
C9419.....	0.0377	EA	100
C94191.....	2.1072	EA	5
C94192.....	0.7560	EA	10
C9421.....	0.0619	EA	25
C94241.....	7.2928	EA	1
C94242.....	9.8792	EA	1
C94243.....	13.6397	EA	1
C94244.....	12.2960	EA	1
C94245.....	12.5822	EA	1
C94246.....	18.2920	EA	1
C94247.....	28.8678	EA	1
C94253.....	0.4574	EA	25
C94255.....	0.5972	EA	25
C94470.....	0.1964	EA	50
C94471.....	0.2815	EA	50
C94539.....	9.3146	EA	1
C94546.....	0.4068	EA	50
C94547.....	0.2262	EA	50
C94548.....	0.7727	EA	50
C94549.....	0.3759	EA	50
C94550.....	0.8414	EA	25
C94551.....	0.7260	EA	25
C94611.....	0.2574	EA	50
C94612.....	0.2635	EA	50
C94613.....	0.3419	EA	50
C94614.....	0.2960	EA	50
C94628.....	1.3454	EA	10
C94629.....	1.8557	EA	10
C94630.....	2.1406	EA	5
C94654.....	0.2418	EA	50
C94658.....	3.9856	EA	6
C94660.....	3.9856	EA	6
C9472-1.....	0.2035	EA	25
C9472.....	0.1215	EA	100
C94721.....	0.1960	EA	50
C94722.....	0.3360	EA	50
C94723.....	2.2125	EA	5
C94728.....	213.9057	EA	1
C9473-1.....	0.2035	EA	10
C9473.....	0.1677	EA	50
C94821.....	0.8185	EA	10
C94827.....	0.6220	EA	15
C94828.....	0.4709	EA	15
C94849.....	11.0770	EA	5
C94850.....	0.2767	EA	50
C94878.....	0.5426	EA	25
C94879.....	0.7292	EA	25
C94880.....	0.4440	EA	25
C95220.....	0.1318	EA	50
C95221.....	0.1619	EA	50
C95271.....	0.2136	EA	25
C95350.....	0.3590	EA	50
C95440.....	0.1046	EA	50
C95471.....	0.2310	EA	50
C95472.....	0.2391	EA	50
C95587.....	0.4093	EA	50
C95604.....	4.5633	EA	5
C95605.....	4.9979	EA	5
C956074.....	1.9047	EA	10
C95608.....	2.9313	EA	5
C956154.....	0.2326	EA	100
C95623.....	0.2623	EA	50
C95625.....	12.2096	EA	3
C95628.....	14.8121	EA	1
C95768.....	5.7851	EA	1
C95798.....	0.6124	EA	50
C95933.....	0.0532	EA	1496
C95936.....	0.0790	EA	1010
C95937.....	0.0944	EA	835
C95939.....	0.1545	EA	500
C95940.....	0.1991	EA	415
C95964.....	0.5491	EA	5
C95981.....	1.1614	EA	6
C95987.....	0.3292	EA	20
C95988.....	0.3744	EA	20
C95990.....	1.6416	EA	5
C96022.....	0.1201	EA	50
C96023.....	0.1704	EA	50
C96024.....	0.1390	EA	50
C96025.....	0.3394	EA	50
C96026.....	0.4299	EA	25
C96027.....	0.5890	EA	10
C96028.....	0.2660	EA	50
C96029.....	0.7606	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX	ITEM NO.	NET PRICE	UOM	QUAN BOX	ITEM NO.	NET PRICE	UOM	QUAN BOX
C96030.....	0.2587	EA	50	C96775.....	0.1031	EA	100	C97116.....	12.1627	EA	1
C96031.....	0.3137	EA	50	C96776.....	0.1717	EA	100	C97137.....	0.1477	EA	50
C96076.....	4.3192	EA	10	C96777.....	0.1673	EA	100	C97138.....	0.1477	EA	50
C96079.....	5.8573	EA	10	C96778.....	0.3843	EA	10	C97139.....	0.1494	EA	50
C96126.....	0.3776	EA	25	C96811.....	0.3609	EA	50	C97140.....	0.1477	EA	50
C96127.....	0.4586	EA	25	C96812.....	0.3609	EA	50	C97141.....	0.2425	EA	50
C96130.....	1.2402	EA	10	C96813.....	0.3603	EA	50	C97157.....	0.1480	EA	100
C96131.....	1.6112	EA	10	C96814.....	0.3609	EA	50	C97164.....	0.2728	EA	50
C96132.....	1.7702	EA	10	C96815.....	0.3603	EA	50	C97165.....	0.1828	EA	50
C96133.....	3.6040	EA	5	C96816.....	0.3609	EA	50	C97166.....	0.1901	EA	50
C96134.....	3.7524	EA	5	C96817.....	0.3609	EA	50	C97167.....	0.1866	EA	50
C96135.....	3.5203	EA	5	C96818.....	0.3609	EA	50	C97168-1.....	0.2158	EA	10
C96136.....	6.6533	EA	5	C96819.....	0.3677	EA	50	C97168.....	0.1962	EA	50
C96137.....	5.1834	EA	5	C96820.....	0.3230	EA	50	C97169.....	0.1785	EA	50
C96138.....	5.9254	EA	5	C96821.....	0.5884	EA	50	C97170.....	0.1854	EA	50
C96139.....	6.8930	EA	2	C96822.....	0.3467	EA	50	C97173.....	0.1087	EA	50
C96140.....	8.5996	EA	2	C96823.....	0.9502	EA	50	C97174.....	0.1087	EA	50
C96141.....	9.1191	EA	2	C96824.....	0.9515	EA	50	C97307.....	4.8654	EA	1
C96142.....	1.7172	EA	10	C96825.....	0.9515	EA	50	C97330.....	5.6181	CD	1
C96143.....	2.7407	EA	10	C96826.....	0.9515	EA	50	C97331.....	2.0776	CD	1
C96144.....	3.2352	EA	10	C96827.....	0.9569	EA	50	C97340.....	0.0498	EA	7480
C96145.....	3.9255	EA	5	C96828.....	0.9515	EA	50	C97343.....	0.0721	EA	5850
C96146.....	4.6845	EA	5	C96831.....	0.7677	EA	50	C97344.....	0.0876	EA	4175
C96147.....	5.5014	EA	5	C96840.....	0.5026	EA	50	C97347.....	0.1803	EA	2075
C96148.....	5.3954	EA	5	C96842.....	0.2211	EA	50	C97367.....	0.3850	EA	20
C96150.....	7.3776	EA	5	C96860.....	27.7932	EA	1	C97371.....	0.0822	EA	50
C96153.....	115.8262	EA	1	C96861.....	22.0043	EA	1	C97486.....	0.0762	EA	50
C96155.....	11.9240	EA	1	C96862.....	0.4046	EA	10	C97494.....	0.0574	EA	100
C96340.....	0.8515	EA	15	C96893.....	11.3268	EA	1	C97627.....	0.1120	EA	100
C96341.....	0.3870	EA	20	C96896.....	19.3085	EA	1	C97645.....	0.3529	EA	15
C96487.....	0.2342	EA	25	C96924.....	0.3476	EA	50	C97685.....	0.4391	EA	25
C96488.....	0.2660	EA	25	C96925.....	0.7382	EA	25	C97687.....	0.5624	EA	25
C96489.....	0.2733	EA	25	C96926.....	0.8155	EA	25	C97689.....	0.8904	EA	25
C96490.....	0.3337	EA	25	C96927.....	0.8990	EA	25	C97690.....	38.1600	EA	1
C96491.....	0.5390	EA	25	C96928.....	0.7257	EA	25	C97694.....	0.2181	EA	50
C96536.....	2.3411	EA	5	C96929.....	0.7971	EA	25	C97723.....	2.0798	EA	10
C96561-1.....	3.8946	EA	1	C96930.....	0.8830	EA	25	C97769.....	0.1133	EA	100
C96561.....	3.8946	EA	12	C96932.....	0.6234	EA	25	C97771.....	0.1271	EA	100
C96591.....	0.7391	EA	50	C96933.....	0.6639	EA	25	C97772.....	0.1649	EA	100
C96592.....	0.2025	EA	50	C96934.....	1.3500	EA	25	C97773.....	0.1923	EA	100
C96598.....	125.4243	EA	1	C96949.....	0.2009	EA	100	C97793.....	0.1638	EA	100
C96619.....	3.9856	EA	5	C96953.....	3.6757	EA	1	C97802.....	0.1257	EA	50
C96620.....	4.6110	EA	5	C96954.....	3.7769	EA	1	C97816.....	9.1292	EA	1
C966228.....	7.1567	EA	1	C96955.....	4.4423	EA	1	C97852.....	0.3065	EA	50
C966236.....	1.3391	EA	1	C96956.....	6.9412	EA	1	C97966.....	143.9152	EA	1
C966282.....	15.5012	EA	1	C96957.....	0.1322	EA	100	C97967.....	193.3557	EA	1
C966286.....	14.0684	EA	1	C96958.....	0.1356	EA	100	C98021.....	37.4799	EA	1
C966580.....	24.2422	EA	1	C96959.....	0.3295	EA	100	C98022.....	43.2236	EA	1
C96729.....	0.2088	EA	50	C96960.....	0.4016	EA	100	C98184.....	0.2527	EA	50
C96730.....	0.3057	EA	50	C96961.....	0.3975	EA	100	C98304.....	4.8654	EA	10
C96748.....	0.7688	EA	10	C96962.....	0.2187	EA	100	C98306.....	1.7414	EA	10
C96762.....	0.6262	EA	10	C96963.....	0.2042	EA	100	C98633.....	0.1666	EA	25
C96769.....	0.1791	EA	25	C96964.....	0.4466	EA	100	C98634.....	0.1734	EA	25
C96772.....	0.1031	EA	100	C96965.....	0.2885	EA	100	C98650.....	0.2556	EA	50
C96773.....	0.1717	EA	100	C97108.....	0.0972	EA	25	C98651.....	0.2103	EA	50
C96774.....	0.1673	EA	100	C97109.....	0.0972	EA	25	C98652.....	18.0942	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
C98674	0.3252	EA	50
C98691	0.2582	EA	50
C98693	0.1825	EA	50
C98744	10.9710	EA	1
C98786	564.9626	EA	1
C98787	499.1251	EA	1
C98788	459.2852	EA	1
C98898	0.6360	EA	5
C99059	0.7940	EA	10
C99080	292.8462	EA	1
C99082	8.1966	EA	1
C99083	8.9570	EA	1
C99084	8.9570	EA	1
C99085	8.9570	EA	1
C99086	8.9570	EA	1
C99087	16.4300	EA	1
C99088	15.0241	EA	1
C99089	16.4300	EA	1
C99090	16.4300	EA	1
C99092	53.7420	EA	1
C99093	47.3066	EA	1
C99094	338.1931	EA	1
C99096	20.5882	EA	1
C99097	20.5882	EA	1
C99098	21.5965	EA	1
C99099	21.5965	EA	1
C99100	20.7094	EA	1
C99101	20.5882	EA	1
C99102	20.5882	EA	1
C99103	20.5882	EA	1
C99104	20.5882	EA	1
C99105	20.3664	EA	1
C99106	20.5882	EA	1
C99107	20.5882	EA	1
C99108	20.5882	EA	1
C99109	20.5882	EA	1
C99110	20.5882	EA	1
C99111	20.5882	EA	1
C99112	20.5882	EA	1
C99498	0.0297	EA	100
C99501	0.3263	EA	25
C99502	0.3349	EA	25
C99534	0.5392	EA	25
C99541	0.6150	EA	50
C99561	0.0264	EA	100
C99562	0.0316	EA	100
C99564	0.0335	EA	100
C99565	0.0660	EA	100
C99567	0.4161	EA	100
C99569	0.3449	EA	100
C99571	0.3777	EA	100
C99590	0.2208	EA	50
C9960-1	1.0465	EA	10
C9960	0.1326	EA	50
C99601	3.1655	EA	5
C99603	6.8908	EA	2
C99604	2.6598	EA	5
C99606	3.2192	EA	5
C99609	9.1075	EA	2
C99613	4.7143	EA	5
C99630	0.7095	EA	5
C99631	1.3314	EA	5
C99632	0.2448	EA	10
C99633	0.2518	EA	10
C99634	3.0726	EA	5
C99638	1.4515	EA	5
C99641	2.9786	EA	2
C99660	3.0146	EA	2
C99699	2.7631	EA	5
C99723	5.6239	EA	2
C99724	4.7881	EA	2
C99774	9.7737	EA	2
C99775	4.9616	EA	2
C99779	9.7886	EA	1
C99797	2.0988	EA	5
C99804	1.1024	EA	5
C99805	2.0776	EA	2
C99817	5.6337	EA	2
C99819	7.7194	EA	2
C99824	7.2483	EA	2
C99827	2.0874	EA	5
C99831	6.1056	EA	2
C99832	0.9024	EA	5
C99834	2.6316	EA	2
C99838	5.3324	EA	2
C99839	6.6516	EA	2
C99840	6.3233	EA	2
C99841	4.6396	EA	5
C99849	2.2957	EA	5
C99850	3.5051	EA	5
C99851	3.4395	EA	2
C99852	3.9083	EA	2
C99853	4.1164	EA	2
C99854	5.3396	EA	2
C99855	6.2772	EA	2
C99856	6.8877	EA	2
C99874	3.3176	EA	2
C99877	5.4838	EA	2
C99879	5.2065	EA	2
C99889	4.9069	EA	2
C99895	3.7608	EA	2
C99897	3.9856	EA	2
C99907	1.8203	EA	5
C99909	3.2389	EA	2
C99910	4.3250	EA	2
C99931	4.5112	EA	2
C99947	9.1763	EA	2
C99957	2.1130	EA	2
C99958	2.8985	EA	2
C99959	1.1346	EA	10
C99966	1.5096	EA	5
C99967	1.1784	EA	5
C99971	0.9025	EA	5
C99972	1.2888	EA	5
C99977	2.0063	EA	5
C99978	1.2888	EA	5
C99979	1.2888	EA	5
C99985	0.1869	EA	50
C99986	0.1335	EA	50
C99987	0.1555	EA	50
C99988	0.1494	EA	50
C99990	0.0907	EA	100
C99991	0.1304	EA	100
C99994	0.1482	EA	50
C99995	0.0873	EA	100
C99996	0.1238	EA	50
C99998	0.0706	EA	100
C99999	0.0706	EA	100
CA-6	0.5083	EA	10
CA10340	99.9262	EA	1
CA12201	19.9504	EA	1
CB6-S	11.1806	EA	1
CCMR-1-1/2	9.1054	EA	10
CCMR-1-8/10	8.5723	EA	10
CCMR-1	8.8616	EA	10
CCMR-1/2	8.3319	EA	10
CCMR-10	9.5612	EA	10
CCMR-12	8.9088	EA	10
CCMR-15	9.5612	EA	10
CCMR-17-1/2	6.4292	EA	10
CCMR-2-1/2	9.5612	EA	10
CCMR-2-1/4	6.8743	EA	10
CCMR-2	9.5612	EA	10
CCMR-20	9.5612	EA	10
CCMR-25	8.9088	EA	10
CCMR-3-1/2	8.9088	EA	10
CCMR-3	9.5612	EA	10
CCMR-30	9.5612	EA	10
CCMR-4	9.5612	EA	10
CCMR-5	9.5612	EA	10
CCMR-6	9.5612	EA	10
CCMR-7-1/2	8.9088	EA	10
CCMR-7	9.5612	EA	10
CCMR-8	9.5612	EA	10
CCMR-8/10	8.3319	EA	10
CCMR-9	8.9088	EA	10
CEL-103	2.0007	EA	1
CEL-1806	0.6647	EA	1
CEL-3801XL	5.5414	EA	1
CEL-55802XL	3.0388	EA	1
CEL-58022X	7.5776	EA	1
CEL-58023X	7.9673	EA	1
CEL-58024X	8.0533	EA	1
CEL-5802L	7.1321	EA	1
CEL-5802M	6.7216	EA	1
CEL-5802XL	7.2076	EA	1
CEL-58402X	8.0834	EA	1
CEL-58403X	8.5338	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
CEL-5840L.....	7.4192	EA	1
CEL-5840XL.....	7.7773	EA	1
CG-1.....	0.3710	EA	10
CG-16.....	0.3710	EA	10
CG-17.....	0.3710	EA	10
CG-2.....	0.4500	EA	10
CG-22.....	0.3710	EA	10
CG-27.....	0.2103	EA	10
CG-6.....	0.4500	EA	10
CLF-2202.....	3.4065	EA	1
CLF-7501.....	4.7395	EA	1
CLF-7541.....	6.2334	EA	1
CO-1.....	0.3362	EA	10
CO-10.....	0.3710	EA	10
CO-102.....	0.4500	EA	10
CO-105.....	0.6436	EA	10
CO-106.....	0.3710	EA	10
CO-107.....	0.4380	EA	10
CO-108.....	0.4500	EA	10
CO-12.....	0.3688	EA	10
CO-17.....	0.2826	EA	10
CO-2.....	0.6436	EA	10
CO-26.....	0.3710	EA	10
CO-3.....	0.3710	EA	10
CO-36.....	0.4353	EA	10
CO-62.....	0.4103	EA	10
CO-63.....	0.4500	EA	10
CO-68.....	0.3710	EA	10
CO-7.....	0.3710	EA	10
CO-87.....	0.3710	EA	10
CO-88.....	0.3710	EA	10
CO-89.....	0.3710	EA	10
CO-91.....	0.4787	EA	10
CO-94.....	0.4353	EA	10
CO-95.....	0.5050	EA	10
CO-97.....	0.3326	EA	10
CO-98.....	0.6148	EA	10
COTZ-13A024-A...	4.6428	EA	1
CP80-5221.....	46.3129	EA	1
CRW201.....	2.4062	EA	12
CRW212.....	1.8762	EA	12
CRW216.....	2.6273	EA	12
CRW2220.....	2.2925	EA	1
CRW2225R.....	9.4446	EA	1
CRW2235R.....	4.4819	EA	1
CRW2410.....	9.6566	EA	1
CRW9800D.....	6.5932	EA	1
CRW9814.....	6.9642	EA	1
CRWCK110.....	4.2294	EA	1
CRWCK112.....	4.8230	EA	1
CRWCK119.....	4.9926	EA	1
CRWEDB12.....	11.1830	EA	1
CRWF2110.....	5.1092	EA	1
CRWF2114.....	7.7698	EA	1
CRWF2119.....	5.2546	EA	1
CRWKD110.....	5.1092	EA	1
CRWKD119.....	6.6250	EA	1
CRWLCS1.....	10.8650	EA	1
CRWLCT.....	14.4902	EA	1
CRWMO110.....	12.6670	EA	1
CRWS2112.....	8.2786	EA	1
CRWS21150.....	11.9038	EA	1
CRWSS110.....	4.5580	EA	1
CRWSS112.....	4.5580	EA	1
CRWSS130.....	2.3182	EA	1
CRWST110.....	6.0208	EA	1
CRWST112.....	6.7628	EA	1
CRWST1130.....	9.7838	EA	1
CRWST1150.....	8.3456	EA	1
CRWST120.....	5.1258	EA	1
CRWT2110AF.....	8.8865	EA	1
CRWT3110AF.....	11.4623	EA	1
CRWTC110.....	4.8230	EA	1
CRWTC110XL.....	5.1092	EA	1
CRWTC1150X.....	6.9642	EA	1
CRWTC1150XL.....	8.8828	EA	1
CRWTC120.....	2.7046	EA	1
CRWTK110AF.....	6.0314	EA	1
CRWTK120.....	4.5580	EA	1
CRWTM129.....	10.5470	EA	1
CY-1.....	0.2161	EA	10
D3KZ-13405-A....	39.6673	EA	1
D3TZ-2B486-A....	0.7271	EA	10
D5TZ-7228-A.....	12.3103	EA	1
D5TZ-7228-B.....	12.9477	EA	1
D8810.....	1.0438	EA	12
DA-21.....	0.4124	EA	10
DA-22.....	0.3816	EA	10
DA-23.....	0.3816	EA	10
DA-24.....	0.3582	EA	10
DA-27.....	0.5512	EA	10
DA-28.....	0.3123	EA	10
DA-31.....	0.3816	EA	10
DA-32.....	0.6893	EA	10
DA-34.....	0.3816	EA	10
DA-35.....	0.5113	EA	10
DA-37.....	0.6893	EA	10
DC-3.....	0.3816	EA	10
DE-1.....	0.3377	EA	10
DE-2.....	0.6148	EA	10
DE-4.....	0.3414	EA	10
DE-5.....	0.2586	EA	10
DE-6.....	0.3710	EA	10
DE-8.....	0.4982	EA	10
DO-1.....	0.4821	EA	10
DO-2.....	0.6535	EA	10
DO-3.....	0.1788	EA	10
DO-4.....	0.1818	EA	10
DO-6.....	0.2405	EA	10
DOAZ-62234-A24B.	57.4980	EA	1
DPA24.....	171.6891	CS	1
DPA40.....	205.6656	EA	1
EA-27.....	0.3710	EA	10
EC100-28.....	9.9428	EA	1
EC100-3.....	1.7380	EA	5
EC210.....	1.1978	EA	12
ECR2016.....	2.1306	EA	6
ECR2025.....	1.7596	EA	6
ECR2032.....	1.7596	EA	6
EL-8.....	0.3155	EA	10
ENV100.....	51.6220	EA	1
ENV200.....	60.6378	CS	1
ENV300.....	48.0026	CS	1
ENV810.....	123.7998	EA	1
ES-9.....	0.3710	EA	10
EVR-4250-IND....	6.8158	EA	1
EVR-E96BP2.....	2.4266	CD	1
EVR-IN421WB-E...	9.7414	PC	1
EVR-R215-IND....	6.2434	EA	1
F13BX-SPX27.....	6.3060	EA	1
F13BX.....	6.3060	EA	1
F2112.....	7.7698	EA	1
F2128.....	8.7874	EA	1
F7BX-SPX27-827..	6.3060	EA	1
F9BX-SPX27-827..	6.3060	EA	1
FA-1.....	0.2217	EA	10
FA-2.....	0.4982	EA	10
FA-3.....	0.4982	EA	10
FC-6.....	0.3375	EA	10
FC-7.....	0.2900	EA	10
FC-8.....	0.8197	EA	10
FO-201.....	0.2121	EA	10
FO-202.....	0.1692	EA	10
FO-203.....	0.1902	EA	10
FR-1.....	0.4982	EA	10
FS-1.....	0.5811	EA	10
FSGET010.....	1.9928	EA	12
FSGET015.....	2.1836	EA	12
FSGET020.....	2.3638	EA	12
FSGET025.....	2.5016	EA	12
FSGET030.....	2.6924	EA	12
FSGET035.....	2.9150	EA	12
FSGET040.....	3.0528	EA	12
FSGET050.....	3.5192	EA	12
FSGET060.....	4.0068	EA	12
FSGET070.....	4.1976	EA	12
FSGET080.....	5.0350	EA	12
FSGET090.....	5.8406	EA	12
FSGET100.....	6.6462	EA	12
FSGET110.....	7.2822	EA	12
FSGET120.....	8.0666	EA	12
FSGET130.....	8.4482	EA	12
FSGET140.....	8.7662	EA	12
G3118K.....	1.6884	EA	12
GAT03808.....	101.5813	CS	1
GAT03944.....	189.1013	CS	1
GAT03956.....	101.5813	CS	1
GAT03957.....	101.5813	CS	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
GAT03967.....	175.4269	CS	1
GAT03969.....	190.9734	CS	1
GAT03970.....	189.1013	CS	1
GAT33665.....	101.5813	CS	1
GAT33666.....	101.5813	CS	1
GAT33673.....	189.1013	CS	1
GAT33674.....	199.7098	CS	1
GAT33677.....	189.1013	CS	1
GAT33678.....	199.7098	CS	1
GAT33691.....	189.1013	CS	1
GAT49027.....	15.5666	EA	1
GAT49045.....	179.9308	CS	1
GAT49200.....	59.6286	EA	1
GAT49201.....	94.2487	EA	1
GEC-3390-6305...	23.7122	EA	1
GEC-3391-6305...	29.5316	EA	1
GEC-3392-6305...	52.5336	EA	1
GEC-6400-6306...	83.1788	EA	1
GEC-6425-6306...	30.3364	EA	1
GEC-6450-6306...	49.8144	EA	1
GEL-1155.....	1.0918	EA	10
GEL-12.....	1.8334	EA	10
GEL-120-MB.....	4.8498	EA	10
GEL-120-PSB.....	4.2888	EA	10
GEL-1203.....	3.5086	EA	10
GEL-1251.....	1.8126	EA	10
GEL-1252.....	2.3320	EA	10
GEL-1450.....	1.5724	EA	10
GEL-161.....	1.2835	EA	10
GEL-1818.....	1.4522	EA	10
GEL-1828.....	3.4313	EA	10
GEL-1829.....	1.0388	EA	10
GEL-1889.....	0.6360	EA	10
GEL-2357-NA.....	2.3956	EA	10
GEL-2357.....	1.0873	EA	10
GEL-265.....	5.3361	EA	10
GEL-313.....	1.7293	EA	10
GEL-327.....	0.8374	EA	10
GEL-328.....	1.0537	EA	10
GEL-330.....	1.7172	EA	10
GEL-334.....	1.8103	EA	10
GEL-3357-NA.....	3.3602	EA	10
GEL-3357.....	1.9319	EA	10
GEL-37.....	1.0525	EA	10
GEL-382.....	1.4051	EA	10
GEL-387.....	1.0706	EA	10
GEL-388.....	1.0706	EA	10
GEL-44.....	0.7161	EA	10
GEL-456.....	2.4182	EA	10
GEL-464.....	1.5055	EA	10
GEL-555.....	0.7566	EA	10
GEL-755.....	0.4982	EA	10
GEL-757.....	0.6678	EA	10
GEL-795.....	11.6646	EA	10
GEL-904.....	0.6254	EA	10
GEL-908.....	0.7631	EA	10
GEL-98.....	0.6784	EA	10
GEL-H9411-.....	18.8856	EA	1
GER-1501.....	37.4074	BX	1
GER-1730.....	24.4036	BX	1
GER-1740.....	27.3915	BX	1
GER-1840.....	38.5963	BX	1
GER-2737.....	24.7024	BX	1
GER-2747.....	27.9891	BX	1
GER-2767.....	30.0807	BX	1
GER-2940.....	36.3553	BX	1
GER-3935.....	30.3795	BX	1
GER-3945.....	30.0807	BX	1
GER-9100.....	14.6928	EA	1
GER-9200.....	14.6928	EA	1
GER-9300L.....	14.6928	EA	1
GER-G01.....	6.5672	EA	2
GER-P100.....	4.1344	EA	2
GM08-50-0115....	0.9099	EA	25
GM1-929939-1....	4.5495	EA	5
GM1-968857-3....	0.9099	EA	25
GM1-968859-3....	1.1374	EA	20
GM100132-1.....	2.2748	EA	10
GM1123343-2.....	0.9099	EA	25
GM12004996-PKG..	0.9099	EA	25
GM12010300.....	0.9099	EA	25
GM12015858-PKG..	0.9099	EA	25
GM12015860-PKG..	0.9099	EA	25
GM12015869-PKG..	0.9099	EA	25
GM12015870-PKG..	0.9099	EA	25
GM12015878.....	0.9099	EA	25
GM12020116-PKG..	0.9099	EA	25
GM12020120-PKG..	0.9099	EA	25
GM12020126-PKG..	0.9099	EA	25
GM12020156-PKG..	0.9099	EA	25
GM12020320-PKG..	0.9099	EA	25
GM12020321-PKG..	0.9099	EA	25
GM12020634.....	0.9099	EA	25
GM12033816-PKG..	0.9099	EA	25
GM12033820-PKG..	0.9099	EA	25
GM12033997-PKG..	0.9099	EA	25
GM12034037-PKG..	2.6500	EA	25
GM12034046-PKG..	0.9099	EA	25
GM12034047-PKG..	0.9099	EA	25
GM12034110.....	0.9099	EA	25
GM12040502-PKG..	0.9099	EA	25
GM12040511-PKG..	0.9099	EA	25
GM12040993-PKG..	0.9099	EA	25
GM12041351-PKG..	0.9099	EA	25
GM12045773-PKG..	0.9099	EA	25
GM12047581-PKG..	0.9099	EA	25
GM12047698.....	0.9099	EA	25
GM12047767-PKG..	0.9099	EA	25
GM12048074-PKG..	0.9099	EA	25
GM12048086-PKG..	0.9099	EA	25
GM12048087-PKG..	0.9099	EA	25
GM12048159-PKG..	0.9099	EA	25
GM12048247-PKG..	0.9099	EA	25
GM12048441-PKG..	0.9099	EA	25
GM12048451-PKG..	0.9099	EA	25
GM12052139.....	0.9099	EA	25
GM12052172.....	0.9099	EA	25
GM12052386.....	0.9099	EA	25
GM12052456-PKG..	0.9099	EA	25
GM12059168-PKG..	0.9099	EA	25
GM12059255.....	0.9099	EA	25
GM12064734-PKG..	2.2748	EA	10
GM12064736-PKG..	0.9099	EA	25
GM12064971-PKG..	0.9099	EA	25
GM12065196.....	0.9099	EA	25
GM12065892.....	0.9099	EA	25
GM12065915-PKG..	2.2748	EA	10
GM12066082.....	0.9099	EA	25
GM12066132-PKG..	0.9099	EA	25
GM12066214-PKG..	0.9099	EA	25
GM12066272-PKG..	0.9099	EA	25
GM12066337.....	0.9099	EA	25
GM12066493-PKG..	0.9099	EA	25
GM12066638-PKG..	0.9099	EA	25
GM12077411-PKG..	0.9099	EA	25
GM12077413-PKG..	0.9099	EA	25
GM12077939.....	0.9099	EA	25
GM12084449-PKG..	0.9099	EA	25
GM12084586-PKG..	0.9099	EA	25
GM12084590-PKG..	0.9099	EA	25
GM12084595-PKG..	0.9099	EA	25
GM12084912-PKG..	0.9099	EA	25
GM12084913-PKG..	1.5165	EA	15
GM12089040-PKG..	0.9099	EA	25
GM12089188-PKG..	0.9099	EA	25
GM12089189-PKG..	4.5495	EA	5
GM12089190-PKG..	4.5495	EA	5
GM12089191-PKG..	4.5495	EA	5
GM12089263-PKG..	2.2748	EA	10
GM12089340-PKG..	0.9099	EA	25
GM12089496-PKG..	2.2748	EA	10
GM12089507-PKG..	0.9099	EA	25
GM12089678-PKG..	0.9099	EA	25
GM12092344-PKG..	0.9099	EA	25
GM12092345-PKG..	0.9099	EA	25
GM12092445.....	2.2748	EA	10
GM12103114-PKG..	0.9099	EA	25
GM12103325-PKG..	0.9099	EA	25
GM12103359.....	0.9099	EA	25
GM12103503.....	1.5165	EA	15
GM12103504.....	1.5165	EA	15
GM12103506.....	1.1374	EA	20
GM12103507.....	1.5165	EA	15
GM12103512.....	1.1374	EA	20
GM12103514.....	1.1374	EA	20
GM12103881-PKG..	0.9099	EA	25
GM12110063-PKG..	0.9099	EA	25
GM12110064-PKG..	0.9099	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
GM12110127.....	2.2748	EA	10
GM12110652-PKG..	0.9099	EA	25
GM12110657-PKG..	0.9099	EA	25
GM12110842-PKG..	0.9099	EA	25
GM12110844-PKG..	0.9099	EA	25
GM12110845-PKG..	0.9099	EA	25
GM12110847-PKG..	0.9099	EA	25
GM12110853-PKG..	0.9099	EA	25
GM12124075-PKG..	0.9099	EA	25
GM12124304-PKG..	0.9099	EA	25
GM12124313.....	0.9099	EA	25
GM12124471-PKG..	0.9099	EA	25
GM12124515-PKG..	0.9099	EA	25
GM12124580-PKG..	0.9099	EA	25
GM12124582-PKG..	0.9099	EA	25
GM12129484.....	0.9099	EA	25
GM12129493-PKG..	0.9099	EA	25
GM12129497-PKG..	0.9099	EA	25
GM12129960.....	0.9099	EA	25
GM12146447-PKG..	0.9099	EA	25
GM12146448.....	0.9099	EA	25
GM12147300.....	1.1374	EA	20
GM12147303.....	0.9099	EA	25
GM12160551-PKG..	0.9099	EA	25
GM12160643-PKG..	0.9099	EA	25
GM12160644-PKG..	0.9099	EA	25
GM12160776-PKG..	2.2748	EA	10
GM12176636.....	0.9099	EA	25
GM12177007.....	1.5165	EA	15
GM12177068-PKG..	1.5165	EA	15
GM12177069-PKG..	1.1374	EA	20
GM12186456-PKG..	0.9099	EA	25
GM12186457-PKG..	0.9099	EA	25
GM12191812.....	0.9099	EA	25
GM12191819-PKG..	0.9099	EA	25
GM1393364-1.....	1.1374	EA	20
GM1393365-1.....	1.1374	EA	20
GM1393457-5.....	0.9099	EA	25
GM1393458-1.....	0.9099	EA	25
GM1411558-2.....	1.1374	EA	20
GM1411593-1.....	1.5165	EA	15
GM15304702.....	0.9099	EA	25
GM15304711-PKG..	0.9099	EA	25
GM15304713.....	0.9099	EA	25
GM15304716-PKG..	0.9099	EA	25
GM15304717-PKG..	0.9099	EA	25
GM15304719.....	0.9099	EA	25
GM15304720.....	0.9099	EA	25
GM15304722-PKG..	0.9099	EA	25
GM15304724-PKG..	0.9099	EA	25
GM15304728-PKG..	0.9099	EA	25
GM15304729-PKG..	0.9099	EA	25
GM15304731.....	0.9099	EA	25
GM15304732-PKG..	0.9099	EA	25
GM15305100.....	0.9099	EA	25
GM15305174-PKG..	2.2748	EA	10
GM15305180.....	0.9099	EA	25
GM15318132-PKG..	0.9099	EA	25
GM15324340.....	0.9099	EA	25
GM15326004-PKG..	1.5165	EA	15
GM15326267.....	0.9099	EA	25
GM15326269.....	0.9099	EA	25
GM15326592.....	0.9099	EA	25
GM15336748.....	4.5495	EA	5
GM15355438.....	0.9099	EA	25
GM15355486.....	0.9099	EA	25
GM15359541-PKG..	0.9099	EA	10
GM15366021-PKG..	0.9099	EA	25
GM15366022.....	0.9099	EA	25
GM15366065.....	0.9099	EA	25
GM15366067.....	0.9099	EA	25
GM15410621-PKG..	0.9099	EA	25
GM15435885.....	0.9099	EA	25
GM154718-3.....	0.9099	EA	25
GM16-02-0086....	0.9099	EA	25
GM171631-2.....	1.1374	EA	20
GM171661-2.....	2.2748	EA	10
GM172748-1.....	0.9099	EA	25
GM173630-7.....	1.1374	EA	20
GM175266-5.....	0.9099	EA	25
GM1839906-PKG...	0.9099	EA	25
GM184030-1.....	0.9099	EA	25
GM184095-1.....	0.9099	EA	25
GM184139-1.....	0.9099	EA	25
GM184140-1.....	0.9099	EA	25
GM184141-1.....	0.9099	EA	25
GM2-1411578-2...	1.1374	EA	20
GM2-927835-2....	4.5495	EA	5
GM2-962915-3....	1.5165	EA	15
GM2-968037-4....	4.5495	EA	5
GM22124-472200..	2.2748	EA	10
GM2962516-PKG...	0.9099	EA	25
GM2971962-PKG...	0.9099	EA	25
GM2973216-PKG...	0.9099	EA	25
GM2984172-PKG...	1.1374	EA	20
GM2984375-PKG...	0.9099	EA	25
GM33119-0004....	0.9099	EA	25
GM4-964273-1....	1.1374	EA	20
GM4-964286-1....	1.1374	EA	20
GM4-969005-1....	0.9099	EA	25
GM43375-0001....	0.9099	EA	25
GM5297428-PKG...	0.9099	EA	25
GM638551-1.....	0.9099	EA	25
GM7114-1238-PKG.	1.1374	EA	20
GM7114-1239-PKG.	0.9099	EA	25
GM7114-1257-02..	0.9099	EA	25
GM7114-1467-02..	0.9099	EA	25
GM7114-1468-02..	0.9099	EA	25
GM7114-1470-PKG.	0.9099	EA	25
GM7114-1471-PKG.	0.9099	EA	25
GM7114-1472-PKG.	0.9099	EA	25
GM7114-1475-PKG.	0.9099	EA	25
GM7114-1680-02..	0.9099	EA	25
GM7114-2875-PKG.	0.9099	EA	25
GM7114-2876-PKG.	0.9099	EA	25
GM7114-2877-PKG.	0.9099	EA	25
GM7114-3250.....	0.9099	EA	25
GM7114-3251.....	0.9099	EA	25
GM7114-4020-PKG.	0.9099	EA	25
GM7114-4021-PKG.	0.9099	EA	25
GM7114-4022-PKG.	0.9099	EA	25
GM7114-4025-PKG.	0.9099	EA	25
GM7114-4026-PKG.	0.9099	EA	25
GM7114-4027-PKG.	0.9099	EA	25
GM7114-4031-PKG.	1.5165	EA	15
GM7114-4032-PKG.	1.1374	EA	20
GM7114-4036.....	0.9099	EA	25
GM7114-4037.....	0.9099	EA	25
GM7114-4060-02..	0.9099	EA	25
GM7114-4100-08..	1.1374	EA	20
GM7114-4101-08..	1.5165	EA	15
GM7114-4102-08..	1.5165	EA	15
GM7114-4103-08..	1.5165	EA	15
GM7114-4110-02..	0.9099	EA	25
GM7114-4111-02..	0.9099	EA	25
GM7114-4112-02..	0.9099	EA	25
GM7114-4120-02..	0.9099	EA	25
GM7114-4121-02..	0.9099	EA	25
GM7114-4122-02..	0.9099	EA	25
GM7114-4140-02..	0.9099	EA	25
GM7114-4141-02..	0.9099	EA	25
GM7114-4142-02..	0.9099	EA	25
GM7114-4150-02..	0.9099	EA	25
GM7114-4151-02..	0.9099	EA	25
GM7114-4152-02..	1.1374	EA	20
GM7114-4231-08..	0.9099	EA	25
GM7114-4720-02..	0.9099	EA	25
GM7114-6041-PKG.	1.1374	EA	20
GM7114-6042-PKG.	1.1374	EA	20
GM7114-6046.....	0.9099	EA	25
GM7114-6047.....	0.9099	EA	25
GM7116-1257-02..	0.9099	EA	25
GM7116-1342-PKG.	0.9099	EA	25
GM7116-1343-PKG.	0.9099	EA	25
GM7116-1470-PKG.	0.9099	EA	25
GM7116-1471-PKG.	0.9099	EA	25
GM7116-1472-PKG.	0.9099	EA	25
GM7116-1473-PKG.	0.9099	EA	25
GM7116-1474-PKG.	0.9099	EA	25
GM7116-1557-08..	4.5495	EA	5
GM7116-1558-08..	4.5495	EA	5
GM7116-1680-02..	0.9099	EA	25
GM7116-1767-08..	4.5495	EA	5
GM7116-1768-08..	4.5495	EA	5
GM7116-2090-PKG.	0.9099	EA	25
GM7116-2092-PKG.	0.9099	EA	25
GM7116-2095-PKG.	0.9099	EA	25
GM7116-2875-PKG.	0.9099	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
GM7116-2876-PKG.	0.9099	EA	25
GM7116-2877-PKG.	0.9099	EA	25
GM7116-3250-PKG.	2.2748	EA	10
GM7116-3251-PKG.	2.2748	EA	10
GM7116-4020-PKG.	0.9099	EA	25
GM7116-4021-PKG.	0.9099	EA	25
GM7116-4022-PKG.	0.9099	EA	25
GM7116-4025-PKG.	0.9099	EA	25
GM7116-4026-PKG.	0.9099	EA	25
GM7116-4027-PKG.	0.9099	EA	25
GM7116-4031-PKG.	0.9099	EA	25
GM7116-4032-PKG.	0.9099	EA	25
GM7116-4036.....	0.9099	EA	25
GM7116-4037.....	0.9099	EA	25
GM7116-4060-02..	0.9099	EA	25
GM7116-4100-08..	1.1374	EA	20
GM7116-4101-08..	1.5165	EA	15
GM7116-4102-08..	1.5165	EA	15
GM7116-4103-08..	1.5165	EA	15
GM7116-4110-02..	0.9099	EA	25
GM7116-4111-02..	0.9099	EA	25
GM7116-4112-02..	0.9099	EA	25
GM7116-4120-02..	1.1374	EA	20
GM7116-4121-02..	1.1374	EA	20
GM7116-4122-02..	1.1374	EA	20
GM7116-4140-02..	1.1374	EA	20
GM7116-4141-02..	1.1374	EA	20
GM7116-4142-02..	1.1374	EA	20
GM7116-4150-02..	0.9099	EA	25
GM7116-4151-02..	0.9099	EA	25
GM7116-4152-02..	0.9099	EA	25
GM7116-4231-08..	0.9099	EA	25
GM7116-4720-02..	0.9099	EA	25
GM7116-6041-PKG.	0.9099	EA	25
GM7116-6042-PKG.	1.1374	EA	20
GM7116-6046.....	0.9099	EA	25
GM7116-6047.....	0.9099	EA	25
GM7157-3852.....	0.9099	EA	25
GM7157-3891-PKG.	0.9099	EA	25
GM7157-3920-40..	0.9099	EA	25
GM7157-3950-80..	2.2748	EA	10
GM7157-3976-60..	1.5165	EA	15
GM7157-3977-50..	1.5165	EA	15
GM7157-7811-80..	0.9099	EA	25
GM7157-7812-PKG.	1.1374	EA	20
GM7157-7935-PKG.	0.9099	EA	25
GM71570-7811-80.	0.9099	EA	25
GM7158-3006-90..	1.5165	EA	15
GM7158-3007-10..	1.5165	EA	15
GM7158-3008-80..	1.5165	EA	15
GM7158-3030-50..	0.9099	EA	25
GM7158-3031-90..	0.9099	EA	25
GM7158-3081-50..	0.9099	EA	25
GM7158-3082-90..	0.9099	EA	25
GM7158-3083-PKG.	0.9099	EA	25
GM7158-3111-60..	0.9099	EA	25
GM7158-3112-70..	0.9099	EA	25
GM7158-3113-40..	1.1374	EA	20
GM771016-HK200..	1.1374	EA	20
GM771416-HK200..	1.1374	EA	20
GM771816-HK200..	1.1374	EA	20
GM776001-1.....	0.9099	EA	25
GM821240.....	0.9099	EA	25
GM8230-4040.....	1.1374	EA	20
GM8230-4282-PKG.	1.1374	EA	20
GM8240-4140.....	1.1374	EA	20
GM8240-4422.....	1.1374	EA	20
GM828904-1.....	0.9099	EA	25
GM828922-1.....	0.9099	EA	25
GM828985-1.....	0.9099	EA	25
GM828986-1.....	0.9099	EA	25
GM8911640-PKG...	0.9099	EA	25
GM928999-5.....	2.2748	EA	10
GM962885-5.....	1.5165	EA	15
GM962943-5.....	4.5495	EA	5
GM963244-1.....	0.9099	EA	25
GM963245-1.....	0.9099	EA	25
GM963292-1.....	0.9099	EA	25
GM963293-1.....	0.9099	EA	25
GM963294-1.....	0.9099	EA	25
GM963530-1.....	0.9099	EA	25
GM963531-1.....	0.9099	EA	25
GM964274-2.....	0.9099	EA	25
GM964971-1.....	0.9099	EA	25
GM964972-1.....	0.9099	EA	25
GM967056-1.....	0.9099	EA	25
GM967067-1.....	0.9099	EA	25
GM967067-2.....	0.9099	EA	25
GM967607-1.....	0.9099	EA	25
GM967608-1.....	0.9099	EA	25
GM968072-2.....	0.9099	EA	25
GM968074-5.....	2.2748	EA	10
GM968075-5.....	4.5495	EA	5
GM968121-2.....	0.9099	EA	25
GM968122-2.....	0.9099	EA	25
GMIL-AG5-C1-5000	0.9099	EA	25
GMJ-38125-101...	293.4276	EA	1
GMJ-38125-10A...	30.9000	EA	1
GMJ-38125-11A...	27.6388	EA	1
GMJ-38125-12A...	27.6388	EA	1
GMJ-38125-13A...	27.6388	EA	1
GMJ-38125-21....	74.9263	EA	1
GMJ-38125-33....	56.9897	EA	1
GMJ-38125-552...	40.6836	EA	1
GMJ-38125-553...	65.1427	EA	1
GMJ-38125-554...	48.8366	EA	1
GMJ-38125-6.....	244.5094	EA	1
GMJ-38125-610...	105.9079	EA	1
GMJ-38125-615...	21.1163	EA	1
GMJ-38125-620...	65.1427	EA	1
GMJ-38125-64....	293.4276	EA	1
GMJ-38125-7.....	244.5094	EA	1
GMJ-38125-8.....	260.8154	EA	1
GMJ-38125-TRAY1.	324.4906	EA	1
GMJ-38125-TRAY10	324.4906	EA	1
GMJ-38125-TRAY11	324.4906	EA	1
GMJ-38125-TRAY12	324.4906	EA	1
GMJ-38125-TRAY13	324.4906	EA	1
GMJ-38125-TRAY14	324.4906	EA	1
GMJ-38125-TRAY15	324.4906	EA	1
GMJ-38125-TRAY16	324.4906	EA	1
GMJ-38125-TRAY17	194.0421	EA	1
GMJ-38125-TRAY18	324.4906	EA	1
GMJ-38125-TRAY19	324.4906	EA	1
GMJ-38125-TRAY2.	324.4906	EA	1
GMJ-38125-TRAY20	324.4906	EA	1
GMJ-38125-TRAY3..	324.4906	EA	1
GMJ-38125-TRAY4.	324.4906	EA	1
GMJ-38125-TRAY5.	324.4906	EA	1
GMJ-38125-TRAY6.	145.1239	EA	1
GMJ-38125-TRAY7.	324.4906	EA	1
GMJ-38125-TRAY8.	324.4906	EA	1
GMJ-38125-TRAY9.	324.4906	EA	1
GMJ-42015.....	70.0345	EA	1
GMJ-42019.....	70.0345	EA	1
GMJ-42032.....	81.4488	EA	1
GMJ-42181-2.....	61.8815	EA	1
GMJ-44020-4.....	162.9791	EA	1
GMJ-45750.....	97.7548	EA	1
GMSHCM-A03T-P025	0.9099	EA	25
GMSHCMW-A03T-040	0.9099	EA	25
GMSNAC-A03T-M040	0.9099	EA	25
GMSVH-21T-P1-1..	0.9099	EA	25
GP100.....	73.2695	CS	1
GP30.....	114.4270	EA	1
GPX153P.....	105.8722	EA	1
GPX303DP.....	166.0292	EA	1
GR-1.....	0.8627	EA	10
GSF30.....	132.3412	CS	1
GSF58.....	310.4011	CS	1
GSF75.....	397.0235	EA	1
GSM30.....	86.6224	CS	1
GSM58.....	250.2441	CS	1
H-26.....	0.3304	EA	10
H-27.....	0.7314	EA	10
H-50.....	0.2029	EA	10
H-51.....	0.2096	EA	10
H-52.....	0.2723	EA	10
H-53.....	0.4664	EA	10
H-55.....	0.2842	EA	10
H-56.....	0.4770	EA	10
H-57.....	0.3326	EA	10
H-58.....	0.6400	EA	10
H-59.....	0.3816	EA	10
H-60.....	0.3922	EA	10
H-62.....	0.3922	EA	10
H-63.....	0.3816	EA	10
H-65.....	0.3922	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
H-67.....	0.3922	EA	10
H-68.....	0.4500	EA	10
H-70.....	0.3816	EA	10
H-75.....	0.3922	EA	10
H-76.....	0.3922	EA	10
H-77.....	0.2525	EA	10
H-78.....	0.3922	EA	10
H-79.....	0.3922	EA	10
H-86.....	0.4688	EA	10
H-87.....	0.4750	EA	10
H19807.....	6.8117	EA	12
H19808.....	6.8488	EA	10
H19810.....	8.6227	EA	10
H19811.....	8.5208	EA	1
H19812.....	10.3503	EA	10
H19813.....	8.3217	EA	10
H19820.....	17.9630	EA	1
H19821.....	19.4967	EA	1
H19822.....	13.0725	EA	1
H19823.....	19.7054	EA	1
H19824.....	7.6849	EA	1
H19825.....	8.7630	EA	1
H19826.....	8.9557	EA	1
H19827.....	10.6495	EA	1
H4651ST.....	28.2479	EA	1
H4656LL.....	10.1442	EA	1
H4656ST.....	28.2479	EA	1
H524BT.....	1.8238	EA	12
H532G.....	2.4006	EA	12
H6054LL.....	15.9424	EA	1
H6054ST.....	28.2479	EA	1
H7STBP.....	28.2479	EA	1
HB2-HD.....	14.8840	EA	1
HBL-20403-.....	128.0444	EA	1
HBL-20405-.....	92.6653	EA	1
HBL-20443-.....	176.2671	EA	1
HBL-20444B-.....	286.4654	EA	1
HBL-20445B-.....	201.3321	EA	1
HBL-20446-.....	117.5739	EA	1
HBL-21414B-.....	177.6007	EA	1
HBL-21415B-.....	131.4966	EA	1
HBL-2310-.....	29.3294	EA	1
HBL-2311-.....	23.3392	EA	1
HBL-2313-.....	36.7496	EA	1
HBL-2320-.....	29.3294	EA	1
HBL-2321-.....	23.3392	EA	1
HBL-2323-.....	36.7496	EA	1
HBL-2410-.....	42.1822	EA	1
HBL-2411-.....	36.0655	EA	1
HBL-2413-.....	48.6749	EA	1
HBL-2420-.....	42.3147	EA	1
HBL-2421-.....	38.4579	EA	1
HBL-2423-.....	50.1324	EA	1
HBL-2430-.....	42.9772	EA	1
HBL-2431-.....	38.8567	EA	1
HBL-2433-.....	51.7224	EA	1
HBL-2620-.....	46.0248	EA	1
HBL-2621-.....	37.1288	EA	1
HBL-2623-.....	73.3205	EA	1
HBL-26420-.....	499.2730	EA	1
HBL-2710-.....	64.7078	EA	1
HBL-2711-.....	49.2238	EA	1
HBL-2713-.....	100.8812	EA	1
HBL-2720-.....	67.0929	EA	1
HBL-2721-.....	48.5149	EA	1
HBL-2723-.....	98.2312	EA	1
HBL-2730-.....	67.3579	EA	1
HBL-2731-.....	49.7555	EA	1
HBL-2733-.....	104.0613	EA	1
HBL-4720C-.....	19.0527	EA	1
HBL-4729C-.....	33.3045	EA	1
HBL-5261-.....	32.2531	EA	1
HBL-5262-.....	23.7642	EA	1
HBL-5262-1.....	23.7642	EA	1
HBL-5266C-.....	11.7236	EA	1
HBL-5266CA-.....	21.1793	EA	1
HBL-5269C-.....	15.3673	EA	1
HBL-5361-.....	22.3210	EA	1
HBL-5362-.....	27.8718	EA	1
HBL-5362-1.....	27.8718	EA	1
HBL-5366C-.....	22.5085	EA	1
HBL-5369C-.....	33.4324	EA	1
HBL-5965VY-.....	6.3801	EA	1
HBL-5969VY-.....	11.1275	EA	1
HBL-7485-.....	18.7869	EA	1
HBL-7486-.....	22.8610	EA	1
HBL-CR5252-.....	5.5227	EA	1
HBL-CR5252-1....	5.5227	EA	1
HBL-CR5252-W....	5.5227	EA	1
HBL-CR5352-.....	6.4687	EA	1
HBL-CR5352-1....	6.4687	EA	1
HBL-CR5352-W....	6.4687	EA	1
HBL-HPS1-.....	0.7560	EA	25
HBL-HPS11-.....	0.7560	EA	25
HBL-HPS1WA-.....	0.7560	EA	25
HBL-P1-.....	0.4774	EA	25
HBL-P14-.....	0.9223	EA	10
HBL-P14W-.....	0.9223	EA	10
HBL-P14X-.....	0.9223	EA	10
HBL-P1W-.....	0.4774	EA	25
HBL-P1X-.....	0.4774	EA	25
HBL-P2-.....	1.1378	EA	10
HBL-P24-.....	2.6395	EA	10
HBL-P24W-.....	2.6395	EA	10
HBL-P24X-.....	2.6395	EA	10
HBL-P2W-.....	1.1378	EA	10
HBL-P2X-.....	1.1378	EA	10
HBL-P82-.....	1.1781	EA	10
HBL-P82W-.....	1.1781	EA	10
HBL-P82X-.....	1.1781	EA	10
HBL-P8W-.....	0.4774	EA	25
HBL-P8X-.....	0.4774	EA	25
HBL-TRED5-.....	518.8005	EA	1
HBL-TRED5EC-....	204.0824	EA	1
HD-103.....	0.3816	EA	10
HD-104.....	0.3816	EA	10
HD-109.....	0.2067	EA	10
HD-70.....	0.3816	EA	10
HD-71.....	0.3414	EA	10
HD-73.....	0.4821	EA	10
HD-74.....	0.2203	EA	10
HD-75.....	0.2151	EA	10
HD-80.....	0.5512	EA	10
HD-81.....	0.5402	EA	10
HD-84.....	0.7136	EA	10
HD-90.....	0.5512	EA	10
HD-91.....	0.5724	EA	10
HD-92.....	0.2958	EA	10
HD-93.....	0.6784	EA	10
HD-94.....	0.5512	EA	10
HD-95.....	0.5724	EA	10
HD-96.....	0.3922	EA	10
HD-97.....	0.5724	EA	10
HD-98.....	0.3816	EA	10
HG4-S.....	25.3764	EA	1
HG5-H.....	18.2326	EA	1
HLTDPAS1.....	64.5816	EA	1
HLTDPAS30R.....	202.8098	EA	1
HLTLL1.....	34.0976	EA	1
HLTLL30.....	33.0123	EA	1
HLTLM77.....	25.7580	EA	1
HLTLM777.....	36.2838	EA	1
HLTLPF30.....	33.1142	EA	1
HLTMAX1.....	40.7345	EA	1
HLTMAX30.....	56.4768	EA	1
HLTMM1.....	43.8650	EA	1
HLTQB100HYG.....	149.6789	EA	1
HLTQB1HYG.....	71.0094	EA	1
HLTQB200HYG.....	149.6789	EA	1
HLTQB300HYG.....	149.6789	EA	1
HLTQB3HYG.....	61.5007	EA	1
HLTQD1.....	54.8866	EA	1
HLTQM29.....	33.9412	EA	1
HMP051.....	3.6923	EA	12
HR-1.....	0.7089	EA	10
HY-1.....	0.3465	EA	10
HY-14.....	0.3816	EA	10
HY-2.....	0.5512	EA	10
HY-3.....	0.4124	EA	10
HY-4.....	0.3816	EA	10
HY-6.....	0.3922	EA	10
HY-7.....	0.6597	EA	10
HY-8.....	0.3816	EA	10
HY-9.....	0.3922	EA	10
IDL-30-092.....	0.3464	EA	100
IDL-30-341.....	0.2072	EA	100
IDL-30-342.....	0.4145	EA	50
IDL-31-358.....	10.2224	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
IDL-34-001.....	9.5579	EA	1
IDL-34-002.....	16.3558	EA	1
IDL-34-003.....	34.3219	EA	1
IDL-45-120.....	16.0378	EA	1
IL-1.....	0.3710	EA	10
IM12-P6F.....	6.0439	EA	1
IM20-P6F.....	7.5172	EA	1
IM20-P6FD.....	8.0977	EA	1
IM9-P6F.....	7.0702	EA	1
IM9-P6FD.....	7.5684	EA	1
IN-1.....	0.2193	EA	10
IN-18.....	0.3621	EA	10
IN-2.....	0.3621	EA	10
IN-20.....	0.2721	EA	10
IN-24.....	0.3710	EA	10
IN-25.....	0.5695	EA	10
IN-26.....	0.8506	EA	10
IN-27.....	0.5729	EA	10
IN-28.....	0.2981	EA	10
IN-29.....	0.3044	EA	10
IN-3.....	0.2862	EA	10
IN-33.....	0.3710	EA	10
IN-4.....	0.3582	EA	10
IN-8.....	0.3922	EA	10
J01026.....	0.0841	EA	100
J02132.....	0.4313	EA	25
J05765.....	0.1143	EA	100
J06578.....	0.2105	EA	50
J06717.....	0.0690	EA	100
J2109W.....	0.6821	EA	12
J30360.....	30.1146	EA	1
J30365.....	34.2541	EA	1
J30370.....	46.3326	EA	1
J33805.....	43.5031	EA	1
J33810.....	20.6300	EA	1
JA-2.....	0.4190	EA	10
JTD-1-ID.....	11.1034	EA	10
JTD-10-ID.....	11.8084	EA	10
JTD-100.....	28.4177	EA	5
JTD-110.....	59.9377	EA	1
JTD-12-ID.....	11.8932	EA	10
JTD-125.....	57.1551	EA	1
JTD-15-ID.....	11.8084	EA	10
JTD-150.....	57.1551	EA	1
JTD-171/2-ID....	11.7660	EA	10
JTD-175.....	53.9716	EA	1
JTD-2-ID.....	11.1034	EA	10
JTD-20-ID.....	5.6153	EA	10
JTD-200.....	57.1551	EA	1
JTD-25-ID.....	11.8084	EA	10
JTD-3-ID.....	11.8084	EA	10
JTD-30-ID.....	5.6133	EA	10
JTD-35-ID.....	20.7654	EA	10
JTD-4-ID.....	11.1034	EA	10
JTD-40-ID.....	9.5724	EA	10
JTD-45-ID.....	20.7654	EA	10
JTD-5-ID.....	11.1034	EA	10
JTD-50-ID.....	9.5724	EA	10
JTD-6-ID.....	11.1034	EA	10
JTD-60-ID.....	9.5724	EA	10
JTD-70.....	28.4177	EA	5
JTD-8-ID.....	11.8932	EA	10
JTD-80.....	28.4177	EA	5
JTD-90.....	25.6852	EA	5
K-1.....	0.4847	EA	10
K-2.....	0.3044	EA	10
K4651000.....	0.1051	EA	5000
KA-16.....	0.3067	EA	10
KA-17.....	0.5044	EA	10
KA-18.....	0.6139	EA	10
KA-20.....	0.4563	EA	10
KA-21.....	0.4529	EA	10
KA-22.....	0.4529	EA	10
KA-23.....	0.4563	EA	10
KA-24.....	0.3799	EA	10
KA-25.....	0.3799	EA	10
KA-26.....	0.3799	EA	10
KA-27.....	0.3799	EA	10
KA-28.....	0.3799	EA	10
KA-6.....	0.6139	EA	10
KA-7.....	0.6139	EA	10
KC01005.....	78.0861	CS	1
KC01510.....	51.3443	CS	1
KC01814.....	57.0492	CS	1
KC01840.....	41.9567	CS	1
KC02021.....	49.4426	CS	1
KC02044.....	35.0615	CS	1
KC02129.....	59.4263	CS	1
KC02920.....	23.8000	CS	1
KC04128.....	29.7131	CS	1
KC05102.....	58.6143	CS	1
KC05701.....	94.7254	CS	1
KC05790.....	82.0082	CS	1
KC05796.....	49.9181	CS	1
KC05812.....	54.5533	CS	1
KC05816.....	54.5533	CS	1
KC05820.....	85.6927	CS	1
KC05841.....	46.5902	BX	1
KC05930.....	63.8000	CS	1
KC07005.....	59.4263	CS	1
KC07006.....	59.4263	CS	1
KC07410.....	123.3689	CS	1
KC07805.....	90.6845	CS	1
KC07827.....	90.6845	CS	1
KC09003.....	18.3571	EA	1
KC09009.....	24.9590	EA	1
KC09025.....	43.1435	EA	1
KC09063.....	45.0468	EA	1
KC09602.....	19.0164	EA	1
KC21400.....	70.1058	CS	1
KC34015.....	19.7690	BX	1
KC34790.....	91.2660	CS	1
KC34955.....	91.5164	BX	1
KC34965.....	91.5164	CS	1
KC35411.....	166.6312	CS	1
KC39000.....	151.7746	CS	1
KC41025.....	70.4795	BX	1
KC41026.....	37.0820	CS	1
KC41029.....	37.0820	CS	1
KC41041.....	27.0830	BX	1
KC41043.....	70.2250	BX	1
KC41044.....	28.5246	EA	1
KC41048.....	84.0287	CS	1
KC41055.....	70.4795	BX	1
KC41083.....	25.5550	CS	1
KC41412.....	131.0960	CS	1
KC58310.....	73.6886	CS	1
KC73900.....	10.8756	EA	1
KC80579.....	37.3014	EA	1
KC80596.....	61.5754	EA	1
KC91008.....	40.7664	CS	1
KC91032.....	39.2213	CS	1
KC91035.....	39.2213	CS	1
KC91039.....	71.3115	CS	1
KC91047.....	58.0000	CS	1
KC91258.....	67.9836	CS	1
KC91300.....	34.4672	CS	1
KC91302.....	34.4672	CS	1
KC91341.....	85.5738	CS	1
KC91740.....	65.2500	CS	1
KC91757.....	67.7459	CS	1
KC92053.....	79.3935	CS	1
KC92112.....	22.3443	EA	1
KC92196.....	14.7377	EA	1
KC92517.....	79.5123	CS	1
KC92538.....	80.1066	CS	1
KC92582.....	46.8279	CS	1
KK-2.....	0.1667	EA	10
KK-3.....	0.1975	EA	10
KK-4.....	0.3640	EA	10
KK-5.....	0.4137	EA	10
KLDR-1-6/10.....	8.4280	EA	10
KLDR-1-8/10.....	8.4280	EA	10
KLDR-1.....	8.9464	EA	10
KLDR-1/2.....	8.9464	EA	10
KLDR-1/4.....	8.9464	EA	10
KLDR-10.....	8.9464	EA	10
KLDR-11/2.....	8.9464	EA	10
KLDR-11/4.....	8.4280	EA	10
KLDR-15.....	8.9464	EA	10
KLDR-2.....	8.9464	EA	10
KLDR-20.....	8.9464	EA	10
KLDR-21/2.....	8.4280	EA	10
KLDR-25.....	8.9464	EA	10
KLDR-3-2/10.....	8.4280	EA	10
KLDR-3.....	8.9464	EA	10
KLDR-3/10.....	8.4280	EA	10
KLDR-3/4.....	8.4280	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KLDR-30.....	8.9464	EA	10
KLDR-4.....	8.9464	EA	10
KLDR-4/10.....	8.4280	EA	10
KLDR-41/2.....	6.7493	EA	10
KLDR-5-6/10.....	8.4280	EA	10
KLDR-5.....	8.9464	EA	10
KLDR-6.....	8.9464	EA	10
KLDR-6/10.....	8.4280	EA	10
KLDR-7.....	8.4280	EA	10
KLDR-71/2.....	8.4280	EA	10
KLDR-8.....	8.9464	EA	10
KP003066.....	1.2508	BX	12
KP1000.....	188.6376	EA	1
KP100000.....	219.2928	EA	1
KP100001.....	247.4040	EA	1
KP100004.....	7.8652	EA	1
KP100005.....	7.5896	EA	1
KP100006.....	9.4446	EA	1
KP100007.....	8.6814	EA	1
KP100008.....	8.6814	EA	1
KP100009.....	6.4978	EA	1
KP100010.....	4.3142	EA	1
KP100011.....	8.2468	EA	1
KP100012.....	7.5896	EA	1
KP100013.....	2.9998	EA	1
KP100014.....	5.0774	EA	1
KP100015.....	9.4446	EA	1
KP100016.....	6.8264	EA	1
KP100017.....	7.9182	EA	1
KP100018.....	3.8796	EA	1
KP100020.....	3.2224	EA	1
KP100021.....	5.0774	EA	1
KP100023.....	10.1018	EA	1
KP100024.....	13.8118	EA	1
KP100025.....	12.2854	EA	1
KP100026.....	5.1834	EA	1
KP100027.....	8.6814	EA	1
KP100028.....	14.1404	EA	1
KP100029.....	6.6038	EA	1
KP100030.....	8.2468	EA	1
KP100031.....	12.2854	EA	1
KP100032.....	4.3142	EA	1
KP100033.....	4.6428	EA	1
KP100034.....	2.1306	EA	1
KP100035.....	2.1306	EA	1
KP100036.....	3.2224	EA	1
KP100037.....	3.2224	EA	1
KP100038.....	6.4978	EA	1
KP100039.....	3.5510	EA	1
KP100040.....	4.3142	EA	1
KP100041.....	5.4060	EA	1
KP100042.....	4.3142	EA	1
KP100043.....	4.3142	EA	1
KP100044.....	4.3142	EA	1
KP100045.....	4.6428	EA	1
KP100046.....	6.8264	EA	1
KP100047.....	2.5652	EA	1
KP100048.....	3.7630	EA	1
KP100049.....	6.4978	EA	1
KP100050.....	30.5174	EA	1
KP100051.....	46.5658	EA	1
KP100053.....	83.4962	EA	1
KP100054.....	91.6582	EA	1
KP100055.....	365.4774	EA	1
KP10007.....	26.2456	EA	1
KP100083.....	0.2880	EA	50
KP1001.....	14.3312	EA	1
KP100110.....	3.5777	EA	10
KP100112.....	5.9716	EA	10
KP100179.....	2.5585	EA	10
KP100192.....	0.2150	EA	50
KP100195.....	0.2120	EA	50
KP100196.....	0.3008	EA	50
KP100197.....	0.3237	EA	50
KP100198.....	0.3643	EA	50
KP100200.....	0.3646	EA	50
KP100201.....	0.3670	EA	50
KP100202.....	0.3832	EA	50
KP100203.....	0.4122	EA	50
KP100212.....	0.4127	EA	50
KP10022.....	48.2512	EA	1
KP100221.....	0.5832	EA	25
KP100222.....	0.5975	EA	50
KP100223.....	0.6084	EA	50
KP100224.....	0.6195	EA	50
KP100225.....	0.6436	EA	24
KP100228.....	1.6611	EA	10
KP100237.....	0.9243	EA	25
KP100238.....	0.9574	EA	24
KP100241.....	2.9752	EA	50
KP100249.....	0.8613	EA	25
KP100250.....	1.8406	EA	10
KP100251.....	1.8755	EA	10
KP100252.....	3.1320	EA	50
KP100255.....	4.4907	EA	50
KP100256.....	7.0467	EA	50
KP100261.....	3.2894	EA	50
KP100267.....	1.1533	EA	50
KP100271.....	4.9393	EA	50
KP100273.....	9.3100	EA	25
KP100277.....	2.1992	EA	25
KP100281.....	3.0215	EA	10
KP100295.....	7.5602	EA	50
KP100307.....	14.8526	EA	5
KP10033.....	32.8282	EA	1
KP10034.....	37.4074	EA	1
KP10035.....	53.1590	EA	1
KP10037.....	65.0204	EA	1
KP10038.....	9.3068	EA	1
KP100528.....	40.1144	EA	1
KP10070.....	1.2826	EA	10
KP10071.....	1.2826	EA	10
KP10072.....	1.2826	EA	10
KP10073.....	0.5618	EA	50
KP10074.....	0.5618	EA	50
KP10075.....	0.5618	EA	50
KP10076.....	0.5618	EA	50
KP10077.....	0.5618	EA	50
KP10078.....	0.5618	EA	50
KP10079.....	0.5618	EA	50
KP10080.....	0.2862	EA	20
KP10081.....	0.3074	EA	20
KP10082.....	0.3180	EA	20
KP101322.....	0.0967	EA	100
KP101327.....	0.1064	EA	100
KP10140.....	0.1909	EA	25
KP101423.....	0.0162	EA	500
KP101425.....	0.0299	EA	500
KP101434.....	0.0234	EA	500
KP101435.....	0.0337	EA	200
KP101437.....	0.0456	EA	200
KP101445.....	0.1159	EA	100
KP101463.....	0.1566	EA	100
KP101465.....	0.3702	EA	100
KP101466.....	0.4487	EA	100
KP101479.....	0.6535	EA	50
KP101540.....	0.5215	EA	50
KP101541.....	0.9470	EA	50
KP101548.....	0.3840	EA	50
KP101549.....	0.5180	EA	50
KP101550.....	0.6520	EA	50
KP101551.....	1.1838	EA	50
KP101571.....	0.5356	EA	100
KP101572.....	0.5465	EA	50
KP101573.....	0.5577	EA	50
KP101574.....	0.6034	EA	50
KP101576.....	0.6589	EA	50
KP101582.....	1.0981	EA	25
KP101583.....	1.2628	EA	20
KP101584.....	1.4521	EA	20
KP101585.....	1.0508	EA	25
KP101586.....	1.8591	EA	20
KP101593.....	5.0328	EA	10
KP101595.....	27.2420	EA	1
KP101596.....	9.4446	EA	1
KP101597.....	19.5994	EA	1
KP101598.....	21.7830	EA	1
KP101599.....	23.2034	EA	1
KP101600.....	19.9280	EA	1
KP101604.....	10.1018	EA	1
KP101605.....	16.3240	EA	1
KP101606.....	16.3240	EA	1
KP101607.....	7.5896	EA	1
KP101608.....	3.8266	EA	1
KP10161.....	0.1979	EA	25
KP101610.....	5.1834	EA	1
KP101611.....	4.3142	EA	1
KP101612.....	7.5896	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP101613.....	4.3142	EA	1
KP101614.....	3.7630	EA	1
KP101615.....	19.5994	EA	1
KP101616.....	8.2468	EA	1
KP101617.....	2.1306	EA	1
KP101618.....	2.6712	EA	1
KP101619.....	6.2752	EA	1
KP101620.....	2.1306	EA	1
KP101621.....	2.1306	EA	1
KP101622.....	2.1306	EA	1
KP101623.....	15.2322	EA	1
KP101624.....	20.6912	EA	1
KP101625.....	2.1306	EA	1
KP101626.....	3.2224	EA	1
KP101627.....	2.1306	EA	1
KP101628.....	2.7878	EA	1
KP101629.....	3.6570	EA	1
KP101630.....	3.9856	EA	1
KP10252S.....	77.8669	EA	1
KP10253.....	88.5524	EA	1
KP10254.....	62.6884	EA	1
KP10255.....	51.4418	EA	1
KP10256.....	22.2070	EA	1
KP10257.....	75.0586	EA	1
KP10258.....	75.0586	EA	1
KP10259.....	48.0710	EA	1
KP10260.....	48.0710	EA	1
KP10261.....	32.3300	EA	1
KP10263.....	111.0456	EA	1
KP10265.....	10.9604	EA	1
KP10275.....	12.3172	EA	1
KP10276.....	28.0582	EA	1
KP10282.....	1.9080	EA	1
KP10288.....	11.7660	EA	1
KP10290.....	4.2930	EA	1
KP10292.....	3.9432	EA	1
KP10293.....	18.2426	EA	1
KP10294.....	18.4758	EA	1
KP10295.....	4.2612	EA	1
KP10302.....	7.7486	EA	1
KP10326.....	2.6076	EA	2
KP10327.....	2.9044	EA	2
KP10328.....	3.1800	EA	2
KP10329.....	3.7630	EA	2
KP10330.....	4.0598	EA	2
KP10336.....	2.3108	EA	2
KP10337.....	2.6076	EA	2
KP10338.....	2.9044	EA	2
KP10339.....	3.4768	EA	2
KP10340.....	3.7630	EA	2
KP10341.....	2.0246	EA	2
KP10342.....	2.3108	EA	2
KP10344.....	3.1800	EA	2
KP103597.....	12.3278	EA	2
KP103598.....	21.1894	EA	1
KP103607.....	15.2428	EA	1
KP103608.....	22.0798	EA	1
KP103609.....	12.9426	EA	1
KP103610.....	9.1372	EA	1
KP103611.....	9.4976	EA	2
KP103612.....	15.2428	EA	1
KP103613.....	6.4872	EA	4
KP103614.....	6.9112	EA	4
KP103615.....	9.8262	EA	2
KP103616.....	10.8332	EA	2
KP103617.....	7.2398	EA	4
KP103618.....	7.9924	EA	4
KP103619.....	15.7410	EA	1
KP103620.....	9.8474	EA	2
KP103621.....	16.3982	EA	1
KP103622.....	19.4722	EA	1
KP103623.....	14.8930	EA	1
KP103624.....	21.8996	EA	1
KP103625.....	15.7410	EA	1
KP103626.....	22.7582	EA	1
KP103627.....	15.6244	EA	1
KP103628.....	22.6522	EA	1
KP103629.....	13.7376	EA	1
KP103630.....	23.1080	EA	1
KP103631.....	22.2918	EA	1
KP103632.....	16.7480	EA	1
KP103633.....	24.3058	EA	1
KP103634.....	22.2812	EA	1
KP103635.....	7.4624	EA	4
KP103636.....	7.9182	EA	4
KP103637.....	9.2114	EA	2
KP103638.....	9.7944	EA	2
KP103639.....	5.8300	EA	4
KP103640.....	6.4554	EA	4
KP103641.....	7.8440	EA	4
KP103642.....	9.5400	EA	2
KP103643.....	6.4554	EA	4
KP103644.....	6.9324	EA	4
KP103645.....	10.1018	EA	2
KP103646.....	10.3244	EA	2
KP103647.....	19.3662	EA	1
KP103648.....	19.9916	EA	1
KP103649.....	17.2250	EA	1
KP103650.....	20.3626	EA	1
KP103651.....	23.6274	EA	1
KP103652.....	23.4260	EA	1
KP10369.....	4.0386	EA	1
KP103988.....	6.2328	EA	4
KP103989.....	6.6780	EA	4
KP103990.....	7.0596	EA	4
KP103991.....	7.8440	EA	2
KP103992.....	19.0376	EA	1
KP103993.....	8.8616	EA	2
KP103994.....	18.5288	EA	1
KP103995.....	7.1444	EA	2
KP103996.....	9.2644	EA	2
KP103997.....	11.8826	EA	2
KP103998.....	11.8826	EA	2
KP103999.....	12.3596	EA	2
KP104080.....	180.1470	EA	1
KP104082.....	186.1572	EA	1
KP104084.....	201.9830	EA	1
KP104086.....	260.9508	EA	1
KP104088.....	284.9704	EA	1
KP104180.....	126.3308	EA	1
KP104182.....	126.3308	EA	1
KP104183.....	126.3308	EA	1
KP104184.....	126.3308	EA	1
KP104185.....	126.3308	EA	1
KP105086.....	3.3072	RL	25
KP105228.....	5.7876	EA	8
KP105292.....	7.8970	EA	4
KP105321.....	20.4368	EA	8
KP105354.....	42.4106	EA	4
KP105358.....	14.1616	EA	4
KP105677.....	160.3886	EA	1
KP105714.....	56.4768	EA	1
KP105716.....	85.3194	EA	1
KP105718.....	202.8098	EA	1
KP105719.....	71.0094	EA	1
KP105721.....	71.0094	EA	1
KP105725.....	33.9412	EA	1
KP105726.....	25.7580	EA	1
KP105728.....	43.3752	EA	1
KP105729.....	48.4526	EA	1
KP105730.....	43.3752	EA	1
KP105731.....	47.3290	BX	1
KP105732.....	56.1694	BX	1
KP105735.....	51.0708	BX	1
KP105736.....	56.5722	BX	1
KP105737.....	94.2658	BX	1
KP105738.....	117.9674	BX	1
KP105739.....	56.5722	BX	1
KP105745.....	89.8350	BX	1
KP105746.....	88.5312	BX	1
KP105748.....	89.8350	BX	1
KP105750.....	97.5200	BX	1
KP105752.....	138.9130	BX	1
KP105753.....	153.5940	BX	1
KP105754.....	202.8098	BX	1
KP105755.....	7.1020	BX	1
KP105757.....	25.1432	BX	1
KP105760.....	28.4398	BX	1
KP105761.....	15.7940	EA	1
KP105762.....	30.9626	EA	1
KP105763.....	15.7940	EA	1
KP105766.....	3.8478	PR	12
KP105767.....	3.6676	EA	12
KP105771.....	16.3770	EA	1
KP105777.....	17.9670	PR	6
KP105779.....	28.0794	PR	12
KP105781.....	3.3602	PR	6
KP105782.....	3.3602	PR	6

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP105783.....	3.8054	PR	6
KP105785.....	3.0952	PR	6
KP105786.....	3.0952	PR	6
KP105787.....	3.5828	PR	6
KP105788.....	4.0810	PR	6
KP105789.....	3.6994	PR	6
KP105793.....	1.0918	PR	6
KP105794.....	1.0600	PR	12
KP105796.....	0.5512	PR	12
KP105799.....	1.0918	PR	12
KP105801.....	2.1200	PR	12
KP105802.....	2.1200	PR	12
KP105807.....	4.7064	PR	12
KP105808.....	2.2366	PR	12
KP105812.....	1.3886	PR	12
KP105814.....	0.7738	PR	12
KP105819.....	1.1024	PR	12
KP105820.....	1.1448	PR	12
KP105828.....	7.2928	PR	12
KP105831.....	5.4908	PR	12
KP105832.....	5.4908	PR	12
KP105834.....	2.4592	PR	12
KP105835.....	2.4592	PR	12
KP105836.....	2.4592	PR	12
KP105841.....	5.6074	PR	12
KP105844.....	2.6288	PR	12
KP105845.....	2.6288	PR	12
KP105847.....	11.1088	PR	12
KP105870.....	1.1130	PR	12
KP105872.....	1.5264	EA	12
KP105873.....	1.8974	EA	12
KP105884.....	3.9114	PR	12
KP105889.....	5.0456	PR	12
KP105897.....	8.9782	PR	12
KP105899.....	7.2928	PR	12
KP105901.....	2.6818	PR	12
KP105902.....	2.6818	PR	12
KP105907.....	2.0034	PR	12
KP105908.....	2.0034	PR	12
KP105911.....	2.2896	PR	12
KP105925.....	20.0870	PR	12
KP105928.....	16.8434	PR	12
KP105937.....	18.2638	PR	12
KP105941.....	13.4726	BX	1
KP105942.....	13.4726	BX	1
KP105946.....	15.3488	BX	1
KP105948.....	24.7086	BX	1
KP105949.....	24.7086	BX	1
KP105953.....	20.2142	BX	1
KP105954.....	20.2142	BX	1
KP105962.....	38.1494	BX	1
KP105969.....	6.2328	BX	1
KP105971.....	9.9322	BX	1
KP105972.....	9.9322	BX	1
KP105973.....	9.9322	BX	1
KP105974.....	9.9322	BX	1
KP105978.....	14.0556	BX	1
KP105979.....	17.9776	BX	1
KP105980.....	19.4934	BX	1
KP105983.....	14.9566	EA	1
KP105986.....	8.6178	EA	1
KP105987.....	9.8262	EA	1
KP105988.....	6.8052	EA	1
KP105989.....	8.0136	EA	1
KP105990.....	11.0346	EA	1
KP105991.....	10.1230	EA	1
KP105993.....	10.1230	EA	1
KP105994.....	12.2430	EA	1
KP105996.....	8.1620	EA	1
KP105997.....	9.0630	EA	1
KP105998.....	10.2714	EA	1
KP105999.....	12.6882	EA	1
KP106000.....	9.8262	EA	1
KP106002.....	18.2850	EA	1
KP106003.....	12.2430	EA	1
KP106004.....	9.3704	EA	1
KP106005.....	12.3914	EA	1
KP106006.....	5.5968	EA	1
KP106007.....	6.0420	EA	1
KP106009.....	7.4094	EA	1
KP106011.....	11.1830	EA	1
KP106012.....	12.0204	EA	1
KP106013.....	14.6598	EA	1
KP106015.....	13.8966	EA	1
KP106016.....	16.1650	EA	1
KP106017.....	3.6040	EA	1
KP106018.....	3.6040	EA	1
KP106022.....	10.2502	EA	1
KP106023.....	3.6040	EA	1
KP106024.....	3.6040	EA	1
KP106025.....	5.4166	EA	1
KP106028.....	9.6460	EA	1
KP106030.....	9.6566	EA	1
KP106031.....	11.0346	EA	1
KP106032.....	9.8262	EA	1
KP106033.....	11.7872	EA	1
KP106035.....	8.1620	EA	1
KP106037.....	8.1620	EA	1
KP106041.....	12.6882	EA	1
KP106042.....	7.2292	EA	1
KP106043.....	7.2292	EA	1
KP106044.....	6.5932	EA	10
KP106049.....	8.0242	EA	1
KP106050.....	8.2786	EA	1
KP106051.....	8.7874	EA	10
KP106052.....	11.9038	EA	1
KP106053.....	5.1092	EA	1
KP106054.....	6.6250	EA	1
KP106057.....	4.5580	EA	1
KP106058.....	4.5580	EA	1
KP106060.....	4.8230	EA	1
KP106061.....	5.1092	EA	1
KP106062.....	8.8828	EA	1
KP106064.....	6.0314	EA	12
KP106065.....	6.5932	EA	1
KP106067.....	6.0208	EA	12
KP106068.....	6.7628	EA	1
KP106069.....	9.7838	EA	1
KP106072.....	4.9926	EA	1
KP106073.....	4.2294	EA	1
KP106074.....	4.8230	EA	1
KP106076.....	6.0314	EA	1
KP106077.....	6.9642	EA	1
KP106078.....	4.5580	EA	1
KP106079.....	4.5580	EA	1
KP106080.....	10.5470	EA	1
KP106081.....	5.1092	EA	1
KP106082.....	7.7698	EA	1
KP106084.....	7.7698	EA	1
KP106085.....	8.7874	EA	1
KP106086.....	12.6670	EA	1
KP106088.....	9.4446	EA	1
KP106090.....	9.6566	EA	1
KP106091.....	14.4902	EA	1
KP106092.....	10.8650	EA	1
KP106093.....	11.1830	EA	1
KP106094.....	2.4062	EA	1
KP106095.....	1.1978	EA	12
KP106096.....	1.8762	EA	12
KP106100.....	16.9176	EA	1
KP106116.....	0.0378	EA	96
KP106118.....	0.0407	EA	100
KP106120.....	0.0559	EA	100
KP106130.....	0.1677	EA	100
KP106134.....	0.0566	EA	100
KP106135.....	0.0559	EA	100
KP106136.....	0.0620	EA	100
KP106137.....	0.0682	EA	100
KP106138.....	0.0775	EA	100
KP106140.....	0.0924	EA	100
KP106142.....	0.1083	EA	100
KP106152.....	0.3529	EA	100
KP106171.....	0.1178	EA	50
KP106173.....	0.1484	EA	50
KP106180.....	0.2773	EA	25
KP106194.....	0.2387	EA	50
KP106195.....	0.2497	EA	50
KP106198.....	0.3049	EA	25
KP106204.....	0.4631	EA	25
KP106224.....	0.5439	EA	25
KP106233.....	0.9218	EA	25
KP106234.....	0.9929	EA	25
KP106235.....	1.0783	EA	25
KP106244.....	0.8287	EA	25
KP106253.....	1.2701	EA	25
KP1065.....	20.3944	EA	1
KP106922.....	5.0880	EA	25
KP1076.....	2.4486	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP1080-2	0.8059	EA	15
KP1089	202.3646	EA	1
KP1090	202.3646	EA	1
KP1091	202.3646	EA	1
KP1092	111.3106	EA	1
KP1105-3	0.1458	EA	100
KP1123	0.0612	EA	50
KP1136-1	8.6708	EA	1
KP1149	11.5646	EA	1
KP1172	9.5294	EA	1
KP1208-1	5.5438	EA	1
KP12184	108.7560	EA	1
KP12187	25.8640	EA	1
KP12188	34.4394	EA	1
KP12190	25.8322	EA	1
KP12192	30.3584	EA	1
KP12238	10.5788	EA	1
KP12239	10.5788	EA	1
KP1248	1.2932	EA	2
KP1251	1.9610	EA	2
KP1256	0.8162	EA	2
KP1275	2.5440	EA	2
KP1276	2.9574	EA	2
KP1277	2.0616	EA	2
KP1310S	3.9787	EA	5
KP1321	1.7172	EA	5
KP1320S	2.5985	EA	5
KP1375S	8.6411	EA	1
KP1389	3.0740	EA	5
KP1400-1	14.9036	EA	1
KP1426S	5.9942	EA	6
KP1430	0.1000	EA	50
KP1432	0.0667	EA	250
KP1433	0.0671	EA	250
KP1435	0.0886	EA	200
KP1436	0.1213	EA	150
KP1437	0.1289	EA	150
KP1438	0.2378	EA	50
KP1439	0.4510	EA	25
KP1446	99.0358	EA	1
KP1447	37.4180	EA	1
KP1454	0.0932	EA	50
KP1466	0.1035	EA	50
KP1497	21.1894	EA	1
KP1498	23.6910	EA	1
KP149847	0.3546	EA	2
KP149853	11.1526	EA	1
KP149857	3.1915	EA	1
KP149875	8.0720	EA	1
KP149876	11.2684	EA	1
KP149877	2.1263	EA	1
KP149879	1.5821	EA	1
KP149881	0.5222	EA	2
KP149883	5.2563	EA	1
KP149889	0.4728	EA	2
KP149891	0.9255	EA	2
KP149892	2.3252	EA	1
KP1499	26.2138	EA	1
KP1500	32.7434	EA	1
KP150002-1	31.2170	EA	1
KP150010-1	3.5934	EA	1
KP150012-2	1.2614	EA	36
KP150012	1.3992	EA	6
KP150013-2	1.2614	EA	36
KP150013	1.3992	EA	6
KP150014-2	1.0706	EA	36
KP150014	1.2084	EA	6
KP150015-1	0.9328	EA	1
KP150015	0.8162	EA	10
KP150016-2	1.0706	EA	36
KP150016	1.2084	EA	6
KP150017-2	1.0706	EA	36
KP150017	1.2084	EA	6
KP150018-2	1.0706	EA	36
KP150018	1.2084	EA	6
KP150021	3.3496	EA	1
KP150022	24.7298	EA	1
KP150023	42.7180	EA	1
KP150025	112.4448	EA	1
KP150027	1.4416	EA	5
KP150028	1.4522	EA	5
KP150029	1.4840	EA	5
KP150030	1.5264	EA	5
KP150031	1.5264	EA	5
KP150032	1.4840	EA	5
KP150033	3.1588	EA	5
KP150035-1	3.4980	EA	1
KP150036	1.6112	EA	5
KP150044	18.1048	EA	1
KP150045	18.1048	EA	1
KP150046	21.9844	EA	1
KP150048	180.0304	EA	1
KP150051-2	3.9644	EA	6
KP150051	4.2718	EA	2
KP150052-2	2.8620	EA	6
KP150052	3.0846	EA	2
KP150053	8.0348	EA	1
KP150054	10.4728	EA	1
KP150055	13.7164	EA	1
KP150056	9.1054	EA	1
KP150057	11.5858	EA	1
KP150058	15.5608	EA	1
KP150059	15.3488	EA	1
KP150060	30.1358	EA	1
KP150061	43.1420	EA	1
KP150062	13.8542	EA	2
KP150063	17.0024	EA	2
KP150064	19.9704	EA	1
KP150065	36.2838	EA	1
KP150066	48.2406	EA	1
KP150067	13.3348	EA	1
KP150068	17.4794	EA	1
KP150069	20.9138	EA	1
KP150070	37.1742	EA	1
KP150071	53.0106	EA	1
KP150072	29.8072	EA	1
KP150073	9.5400	EA	1
KP150074	17.7656	EA	1
KP150075	50.7316	EA	1
KP150076	111.2046	EA	1
KP150077	53.2968	EA	1
KP150078	41.4884	EA	1
KP150079	53.9222	EA	1
KP150080	17.7338	EA	2
KP150081	14.1616	EA	2
KP150082	20.1082	EA	2
KP150083	22.4508	EA	2
KP150084	14.1510	EA	1
KP150085	14.1510	EA	1
KP150086	10.8650	EA	1
KP150087	21.7830	EA	1
KP150088	6.4978	EA	1
KP150089	12.8260	EA	1
KP150090	5.8406	EA	1
KP150091	15.2322	EA	1
KP150092	4.3248	EA	1
KP150093	5.4060	EA	1
KP150094	47.9862	EA	1
KP150095	64.4162	EA	1
KP150097	26.6166	EA	1
KP150099	26.6166	EA	1
KP150100	27.0194	EA	1
KP150101	29.4786	EA	1
KP150103-1	5.3318	EA	6
KP150103	4.6611	EA	6
KP150104	4.5262	EA	5
KP150105	3.6994	EA	5
KP150106	5.7134	EA	5
KP150107	10.0488	EA	5
KP150108	8.2256	EA	5
KP150109	11.6918	EA	5
KP150110	6.9748	EA	5
KP150111	5.8724	EA	5
KP150112	7.7274	EA	5
KP150113	4.8018	EA	5
KP150114	6.9430	EA	5
KP150115	4.8866	EA	5
KP150116	6.0208	EA	5
KP150117	6.4236	EA	5
KP150118	7.8970	EA	5
KP150119	8.5330	EA	5
KP150120	9.6036	EA	5
KP150121	6.4236	EA	5
KP150122	8.3952	EA	5
KP150123	13.0274	EA	5
KP150124	8.5330	EA	5
KP150125	9.6036	EA	5
KP150126	7.2504	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP150127.....	8.3952	EA	5
KP150128.....	1.3250	EA	10
KP150129.....	1.3250	EA	10
KP150130.....	1.3250	EA	10
KP150131.....	1.3250	EA	10
KP150132.....	1.3250	EA	10
KP150133.....	1.3250	EA	10
KP150134.....	1.3250	EA	10
KP150135.....	1.3250	EA	10
KP150136.....	1.3250	EA	10
KP150137.....	1.3250	EA	10
KP150138.....	1.3250	EA	10
KP150139.....	1.4840	EA	10
KP150140.....	1.4840	EA	10
KP150141.....	1.4840	EA	10
KP150142.....	1.4840	EA	10
KP150143.....	1.4840	EA	10
KP150144.....	1.4840	EA	10
KP150145.....	1.4840	EA	10
KP150146.....	1.4840	EA	10
KP150147.....	1.4840	EA	10
KP150148.....	1.4840	EA	10
KP150149.....	1.4840	EA	10
KP150150.....	1.4840	EA	10
KP150151.....	1.4840	EA	10
KP150152.....	1.4840	EA	10
KP150153.....	1.4840	EA	10
KP150154.....	1.4840	EA	10
KP150155.....	1.4840	EA	10
KP150156.....	1.4840	EA	10
KP150157.....	1.4840	EA	10
KP150158.....	1.8762	EA	5
KP150159.....	1.8762	EA	5
KP150160.....	1.8762	EA	5
KP150161.....	1.8762	EA	5
KP150162.....	1.8762	EA	5
KP150163.....	1.8762	EA	5
KP150164.....	1.8762	EA	5
KP150165.....	1.8762	EA	5
KP150166.....	1.8762	EA	5
KP150167.....	1.8762	EA	5
KP150168.....	3.5404	EA	2
KP150169.....	2.6818	EA	2
KP150170.....	2.6818	EA	2
KP150171.....	3.5404	EA	2
KP150172.....	2.6818	EA	2
KP150173.....	2.6818	EA	2
KP150174.....	2.6818	EA	2
KP150175.....	2.6818	EA	2
KP150176.....	3.7206	EA	2
KP150177.....	3.5404	EA	2
KP150178.....	3.5404	EA	2
KP150179.....	3.7206	EA	2
KP150180.....	3.5404	EA	2
KP150181.....	3.5404	EA	2
KP150182.....	3.5404	EA	2
KP150183.....	3.5404	EA	2
KP150184.....	4.2082	EA	2
KP150185.....	3.7206	EA	2
KP150186.....	4.2082	EA	2
KP150187.....	3.7206	EA	2
KP150188.....	3.7206	EA	2
KP150189.....	3.7206	EA	2
KP150190.....	3.9644	EA	2
KP150191.....	3.9644	EA	2
KP150192.....	3.9644	EA	2
KP150193.....	3.9644	EA	2
KP150194.....	3.9644	EA	2
KP150195.....	3.9644	EA	2
KP150196.....	3.9644	EA	2
KP150197.....	4.2082	EA	2
KP150198.....	3.9644	EA	2
KP150199.....	3.9644	EA	2
KP150200.....	3.9644	EA	2
KP150201.....	4.8548	EA	2
KP150202.....	4.8548	EA	2
KP150203.....	4.8548	EA	2
KP150306.....	0.3816	EA	10
KP150307.....	0.4346	EA	10
KP150308.....	0.4876	EA	10
KP150309.....	0.4876	EA	10
KP150310.....	0.4876	EA	10
KP150311.....	0.5512	EA	10
KP150312.....	0.6042	EA	10
KP150313.....	0.6572	EA	10
KP150314.....	0.7102	EA	10
KP150315.....	0.7632	EA	10
KP150316.....	0.8162	EA	10
KP150317.....	0.8692	EA	10
KP150318.....	0.9858	EA	10
KP150319.....	1.0388	EA	10
KP150320.....	1.0918	EA	10
KP150321.....	1.1448	EA	10
KP150322.....	1.1978	EA	10
KP150323.....	1.2508	EA	10
KP150324.....	1.3144	EA	10
KP150325.....	1.3674	EA	10
KP150326.....	1.4204	EA	10
KP150327.....	1.4734	EA	10
KP150328.....	1.5264	EA	10
KP150329.....	1.5794	EA	10
KP150330.....	1.6430	EA	10
KP150331.....	1.6960	EA	10
KP150332.....	1.7490	EA	10
KP150333.....	1.8020	EA	10
KP150334.....	1.9080	EA	10
KP150335.....	1.9610	EA	10
KP150336.....	0.8162	EA	10
KP150337.....	1.0918	EA	10
KP150338.....	1.3674	EA	10
KP150339.....	1.6430	EA	10
KP150340.....	1.9080	EA	10
KP150341.....	2.1836	EA	10
KP150358.....	1.6430	EA	10
KP150359.....	1.6430	EA	10
KP150366.....	4.4202	EA	2
KP150371.....	2.5758	EA	2
KP150374.....	5.3742	EA	2
KP150375.....	6.4130	EA	2
KP150376.....	5.9254	EA	2
KP150377.....	6.8264	EA	2
KP150378.....	7.6426	EA	2
KP150379.....	8.3740	EA	2
KP150380.....	9.0842	EA	2
KP150383.....	4.0916	EA	2
KP150384.....	7.4200	EA	2
KP150386.....	5.9784	EA	2
KP150393.....	5.3106	EA	2
KP150394.....	6.1904	EA	2
KP150397.....	4.2612	EA	2
KP150401.....	5.8724	EA	2
KP150403.....	5.5120	EA	2
KP150405.....	8.5966	EA	2
KP150419.....	7.8016	EA	2
KP150420.....	5.5968	EA	2
KP150421.....	5.2364	EA	2
KP150438.....	3.7630	EA	2
KP150447.....	6.8794	EA	2
KP150456.....	5.7346	EA	2
KP150461.....	0.0431	EA	100
KP150462.....	0.0516	EA	100
KP150463.....	0.0721	EA	50
KP150464.....	0.0979	EA	50
KP150465.....	0.1462	EA	50
KP150466.....	0.1374	EA	50
KP150467.....	0.2899	EA	25
KP150468.....	0.1834	EA	25
KP150469.....	0.1575	EA	25
KP150470.....	0.1371	EA	25
KP150471.....	0.2362	EA	25
KP150472.....	0.2070	EA	25
KP150473.....	0.1382	EA	25
KP150474.....	0.2514	EA	25
KP150475.....	0.4263	EA	25
KP150476.....	0.2063	EA	25
KP150477.....	0.1449	EA	25
KP150478.....	0.1592	EA	25
KP150479.....	0.3838	EA	10
KP150480.....	0.6741	EA	10
KP150481.....	0.3141	EA	10
KP150482.....	0.6744	EA	10
KP150489.....	5.4378	EA	2
KP150490.....	5.4378	EA	2
KP150491.....	7.9924	EA	2
KP150494.....	7.1762	EA	2
KP150514.....	85.7116	EA	1
KP150515.....	135.9344	EA	1
KP150527.....	4.0068	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP150528.....	4.0068	EA	1
KP150529.....	4.0068	EA	1
KP150530.....	4.0068	EA	1
KP150531.....	4.0068	EA	1
KP150532.....	4.0068	EA	1
KP150533.....	4.0068	EA	1
KP150534.....	4.0068	EA	1
KP150535.....	4.0068	EA	1
KP150536.....	4.0068	EA	1
KP150537.....	4.0068	EA	1
KP150538.....	8.9252	EA	1
KP150539.....	10.1972	EA	1
KP150540.....	14.8294	EA	1
KP150541.....	14.8294	EA	1
KP150542.....	16.7268	EA	1
KP150543.....	18.4970	EA	1
KP150547.....	9.8050	EA	1
KP150548.....	12.3278	EA	1
KP150549.....	20.3096	EA	1
KP150554.....	3.2542	EA	1
KP150555.....	3.0528	EA	1
KP150566.....	35.9764	EA	1
KP150567.....	51.2616	EA	1
KP150568.....	21.8360	EA	1
KP150569.....	10.9180	EA	1
KP150570.....	13.1016	EA	1
KP150571.....	16.3770	EA	1
KP150572.....	17.4688	EA	1
KP150573.....	18.5606	EA	1
KP150574.....	19.6524	EA	1
KP150575.....	120.0980	EA	1
KP150576.....	20.7442	EA	1
KP150577.....	3.2754	EA	1
KP150578.....	10.3774	EA	1
KP150579.....	1.6430	EA	1
KP150580.....	1.6430	EA	1
KP150584.....	25.0584	EA	1
KP150585.....	35.9764	EA	1
KP150586.....	37.0682	EA	1
KP150587.....	0.1381	EA	25
KP150588.....	0.1520	EA	25
KP150589.....	0.1658	EA	25
KP150590.....	0.1796	EA	25
KP150591.....	0.9646	EA	5
KP150592.....	1.2402	EA	5
KP150593.....	3.7948	EA	4
KP150608.....	24.7510	EA	1
KP150609.....	24.7510	EA	1
KP150624-1.....	2.0564	EA	1
KP150626-1.....	1.9398	EA	1
KP150627-1.....	3.6040	EA	1
KP150628-1.....	2.1730	EA	1
KP150629-1.....	3.2648	EA	1
KP150640.....	7.3140	EA	2
KP150642.....	18.7726	EA	1
KP150643.....	18.6560	EA	1
KP150644.....	22.6734	EA	1
KP150645.....	23.2034	EA	1
KP150646-1.....	0.9752	EA	1
KP150646.....	0.8586	EA	10
KP150647-1.....	0.8586	EA	1
KP150647.....	0.7526	EA	10
KP150648-1.....	2.1000	EA	1
KP150648.....	0.6466	EA	10
KP150658.....	0.5512	EA	10
KP150686.....	2.7666	EA	5
KP150687.....	2.7666	EA	5
KP150688.....	4.1446	EA	5
KP150689.....	4.1446	EA	5
KP150691.....	4.9184	EA	1
KP150692.....	0.4558	EA	5
KP150702.....	5.4590	EA	1
KP150703.....	4.3672	EA	1
KP150704.....	7.6426	EA	1
KP150706.....	5.4590	EA	1
KP150707.....	5.4590	EA	1
KP150708.....	10.9180	EA	1
KP150709.....	10.9180	EA	1
KP150710.....	12.1582	EA	1
KP150711.....	4.3672	EA	1
KP150730-1.....	8.6072	EA	1
KP150730.....	7.8334	EA	6
KP150731-1.....	8.6072	EA	1
KP150731.....	7.8334	EA	6
KP150732-1.....	7.4094	EA	1
KP150732.....	6.7310	EA	6
KP150733-1.....	8.6072	EA	1
KP150733.....	7.8334	EA	6
KP150734-1.....	8.6072	EA	1
KP150734.....	7.8334	EA	6
KP150736-1.....	8.6072	EA	1
KP150736.....	7.8334	EA	6
KP150738.....	6.2010	EA	1
KP150739.....	6.5190	EA	1
KP150740.....	9.0842	EA	1
KP150741.....	17.2568	EA	1
KP150742.....	23.0232	EA	1
KP150743.....	47.1806	EA	1
KP150744.....	1.5052	EA	5
KP150745.....	1.8550	EA	5
KP150746.....	1.8868	EA	5
KP150749.....	12.0098	EA	1
KP150750.....	16.4830	EA	1
KP150751.....	17.9034	EA	1
KP150752.....	23.2034	EA	1
KP150762.....	6.2752	EA	2
KP150763.....	7.3670	EA	2
KP150764.....	13.1016	EA	2
KP150765.....	16.3770	EA	2
KP150768.....	12.8260	EA	1
KP150772.....	9.2856	EA	1
KP150773.....	9.2856	EA	1
KP150774.....	14.7446	EA	1
KP150775.....	21.2954	EA	1
KP150841.....	0.5392	EA	25
KP150842.....	0.7632	EA	10
KP150843.....	0.8480	EA	10
KP150844.....	0.5936	EA	10
KP150845.....	0.9222	EA	10
KP150846.....	1.1448	EA	10
KP150847.....	1.4522	EA	10
KP150848.....	1.1448	EA	10
KP150849.....	0.1352	EA	25
KP150850.....	0.2064	EA	25
KP150851.....	0.4926	EA	25
KP150859.....	3.0846	EA	5
KP150862.....	11.4056	EA	1
KP150865.....	11.6282	EA	1
KP150866.....	11.6282	EA	1
KP150867.....	11.6282	EA	1
KP150868.....	17.4688	EA	1
KP150869.....	11.6282	EA	1
KP150870.....	13.4832	EA	1
KP150871.....	16.2710	EA	1
KP150872.....	11.6282	EA	1
KP150873.....	11.6282	EA	1
KP150874.....	28.9006	EA	1
KP150875.....	50.7684	EA	1
KP150876.....	51.1026	EA	1
KP150877.....	66.1016	EA	1
KP150921.....	20.9350	EA	1
KP150923.....	31.6410	EA	1
KP150924.....	31.0050	EA	1
KP150925.....	63.5470	EA	1
KP150945.....	1.4522	EA	10
KP150950.....	45.9404	EA	1
KP150951.....	11.9992	EA	1
KP150955.....	65.6246	EA	1
KP150956.....	67.0132	EA	1
KP151045.....	9.5506	EA	1
KP151046.....	47.7636	EA	1
KP151048.....	19.3768	EA	1
KP151050.....	12.6670	EA	1
KP151051.....	13.7270	EA	1
KP151052.....	21.1470	EA	1
KP151053.....	10.5470	EA	1
KP151061.....	4.0916	EA	5
KP151062.....	4.0916	EA	5
KP151063.....	4.3672	EA	5
KP151064.....	4.3672	EA	5
KP151065.....	5.1834	EA	5
KP151066.....	5.1834	EA	5
KP151067.....	5.1834	EA	5
KP151068.....	5.1834	EA	5
KP151069.....	5.1834	EA	5
KP151070.....	5.1834	EA	5
KP151071.....	6.2752	EA	5
KP151072.....	6.2752	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP151073.....	5.1834	EA	5
KP151074.....	5.1834	EA	5
KP151075.....	5.1834	EA	5
KP151076.....	5.1834	EA	5
KP151077.....	5.1834	EA	5
KP151078.....	5.1834	EA	5
KP151079.....	6.2752	EA	5
KP151080.....	6.2752	EA	5
KP151081.....	6.8264	EA	5
KP151082.....	6.8264	EA	5
KP151083.....	6.8264	EA	5
KP151084.....	6.8264	EA	5
KP151085.....	4.0916	EA	5
KP151086.....	4.0916	EA	5
KP151087.....	4.0916	EA	5
KP151088.....	4.0916	EA	5
KP151112-1.....	5.7452	EA	1
KP151113-1.....	5.7452	EA	1
KP151114-1.....	5.7452	EA	1
KP151131.....	28.9639	EA	1
KP151132.....	3.2436	EA	1
KP151139.....	47.9862	EA	1
KP151140.....	58.9042	EA	1
KP151141.....	69.8222	EA	1
KP151142.....	191.0120	EA	1
KP151143.....	130.9630	EA	1
KP151144.....	174.6350	EA	1
KP151145.....	7.9182	EA	2
KP151146.....	8.1938	EA	2
KP151147.....	8.4588	EA	2
KP151171.....	0.6572	EA	10
KP151172.....	1.4204	EA	10
KP151173.....	17.4158	EA	1
KP151174.....	17.4158	EA	1
KP151251.....	2.2896	EA	1
KP151252.....	2.2896	EA	1
KP151253.....	2.2896	EA	1
KP151254.....	2.2896	EA	1
KP151255.....	2.2896	EA	1
KP151256.....	2.0670	EA	1
KP151257.....	2.0670	EA	1
KP151258.....	1.9292	EA	1
KP151259.....	3.7630	EA	1
KP151260.....	3.9326	EA	1
KP151261.....	4.9184	EA	1
KP151262.....	3.9326	EA	1
KP151263.....	5.2364	EA	1
KP151264.....	5.2364	EA	1
KP151265.....	4.2612	EA	1
KP151266.....	3.6040	EA	1
KP151267.....	5.4060	EA	1
KP151268.....	2.9150	EA	1
KP151269.....	3.7630	EA	1
KP151270.....	3.7630	EA	1
KP151271.....	3.7630	EA	1
KP151272.....	3.7630	EA	1
KP151273.....	0.4143	EA	1
KP151274.....	6.4872	EA	1
KP151275.....	1.9610	EA	1
KP151276.....	2.7878	EA	1
KP151277.....	3.7630	EA	1
KP151278.....	1.4734	EA	1
KP151279.....	5.2364	EA	1
KP151280.....	3.7630	EA	1
KP151281.....	5.8936	EA	1
KP151282.....	2.4592	EA	1
KP151283.....	3.7630	EA	1
KP151284.....	4.0916	EA	1
KP151285.....	4.0916	EA	1
KP151286.....	3.7630	EA	1
KP151287.....	4.0916	EA	1
KP151288.....	4.0916	EA	1
KP151289.....	6.2222	EA	1
KP151290.....	6.8476	EA	1
KP151291.....	4.7488	EA	1
KP151292.....	5.2364	EA	1
KP151293.....	4.5898	EA	1
KP151294.....	5.4060	EA	1
KP151295.....	5.7346	EA	1
KP151296.....	5.7346	EA	1
KP151297.....	3.9962	EA	1
KP151298.....	3.7630	EA	1
KP151299.....	3.6040	EA	1
KP151300.....	3.4344	EA	1
KP151301.....	5.8936	EA	1
KP151302.....	4.9502	EA	1
KP151303.....	5.2364	EA	1
KP151304.....	4.9184	EA	1
KP151305.....	3.7630	EA	1
KP151306.....	7.3352	EA	1
KP151307.....	7.1444	EA	1
KP151308.....	6.7840	EA	1
KP151309.....	1.0494	EA	1
KP151310.....	1.4734	EA	1
KP151311.....	1.2084	EA	1
KP151497.....	17.7338	EA	1
KP151498.....	10.6424	EA	1
KP151499.....	12.5610	EA	1
KP151506.....	15.0096	EA	1
KP151511.....	0.8162	EA	5
KP151512.....	0.8162	EA	5
KP151513.....	1.0812	EA	5
KP151514.....	1.0812	EA	5
KP151515.....	4.3142	EA	5
KP151516.....	4.3142	EA	5
KP151517.....	2.1306	EA	5
KP151518.....	2.1306	EA	5
KP151519.....	1.8857	EA	5
KP151520.....	1.8857	EA	5
KP151521.....	3.2224	EA	5
KP151522.....	3.2224	EA	5
KP151523.....	3.2224	EA	5
KP151524.....	3.2224	EA	5
KP151525.....	3.2224	EA	5
KP151526.....	3.2224	EA	5
KP151527.....	4.3142	EA	5
KP151528.....	4.3142	EA	5
KP151529.....	4.3142	EA	5
KP151530.....	4.3142	EA	5
KP151531.....	4.3142	EA	5
KP151532.....	4.3142	EA	5
KP151533.....	4.3142	EA	5
KP151534.....	4.3142	EA	5
KP151535.....	4.3142	EA	5
KP151536.....	4.3142	EA	5
KP151537.....	4.3142	EA	5
KP151538.....	4.3142	EA	5
KP151539.....	3.2224	EA	5
KP151540.....	3.2224	EA	5
KP151541.....	3.2224	EA	5
KP151542.....	3.2224	EA	5
KP151554.....	0.8566	EA	10
KP151555.....	0.8566	EA	10
KP151556.....	0.8566	EA	10
KP151557.....	0.8566	EA	10
KP151558.....	0.8566	EA	10
KP151559.....	0.8566	EA	10
KP151560.....	0.8566	EA	10
KP151561.....	0.8566	EA	10
KP151562.....	0.8566	EA	10
KP151563.....	0.8566	EA	10
KP151564.....	0.8566	EA	10
KP151565.....	0.8566	EA	10
KP151566.....	0.8566	EA	10
KP151567.....	0.8566	EA	10
KP151568.....	0.8566	EA	10
KP151569.....	0.8566	EA	10
KP151570.....	0.8566	EA	10
KP151571.....	0.8566	EA	10
KP151572.....	0.8566	EA	10
KP151573.....	0.8566	EA	10
KP151574.....	0.8566	EA	10
KP151575.....	0.8566	EA	10
KP151576.....	0.8566	EA	10
KP151577.....	0.8566	EA	10
KP151578.....	0.8566	EA	10
KP151579.....	0.8566	EA	10
KP151580.....	0.8566	EA	10
KP151581.....	0.8566	EA	10
KP151582.....	0.8566	EA	10
KP151583.....	0.8566	EA	10
KP151584.....	0.8566	EA	10
KP151585.....	0.8566	EA	10
KP151586.....	0.8566	EA	10
KP151587.....	0.8566	EA	10
KP151588.....	0.8566	EA	10
KP151592.....	1147.7256	EA	1
KP151593.....	27.8356	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP151594.....	6.3070	EA	1
KP151595.....	26.4470	EA	1
KP151598.....	95.5272	EA	1
KP151599.....	7.5896	EA	1
KP151600.....	12.8260	EA	1
KP151601.....	21.0198	EA	1
KP151602.....	16.9176	EA	1
KP151603.....	15.1792	EA	1
KP151604.....	0.3053	EA	25
KP151605.....	0.2522	EA	25
KP151606.....	0.2607	EA	25
KP151607.....	0.4066	EA	25
KP151608.....	0.4347	EA	25
KP151609.....	0.3243	EA	25
KP151610.....	0.5322	EA	25
KP151611.....	0.5588	EA	25
KP151612.....	0.6741	EA	25
KP151613.....	0.1407	EA	25
KP151614.....	0.5350	EA	25
KP151615.....	1.0494	EA	10
KP151616.....	0.6784	EA	10
KP151617.....	0.6403	EA	25
KP151618.....	8.8722	EA	2
KP151619.....	0.2293	EA	25
KP151620.....	0.2690	EA	25
KP151621.....	2.2366	EA	5
KP151623S.....	5.3769	EA	1
KP151624.....	9.7732	EA	1
KP151625.....	9.7732	EA	1
KP151626.....	9.7732	EA	1
KP151627.....	117.8614	EA	1
KP151628.....	117.8614	EA	1
KP151629.....	117.8614	EA	1
KP151630.....	21.7830	EA	1
KP151631.....	21.7830	EA	1
KP151632.....	21.7830	EA	1
KP151633.....	57.8124	EA	1
KP151634.....	57.8124	EA	1
KP151635.....	57.8124	EA	1
KP151638.....	15.3700	EA	1
KP151639.....	12.9850	EA	1
KP151642.....	7.6850	EA	1
KP151690.....	4.0916	EA	5
KP151691.....	4.0916	EA	5
KP151692.....	4.3672	EA	5
KP151693.....	4.3672	EA	5
KP151694.....	4.6428	EA	5
KP151695.....	4.6428	EA	5
KP151696.....	4.9184	EA	5
KP151697.....	4.9184	EA	5
KP151698.....	5.1834	EA	5
KP151699.....	5.1834	EA	5
KP151700.....	5.4590	EA	5
KP151701.....	5.4590	EA	5
KP151702.....	4.9184	EA	5
KP151703.....	4.9184	EA	5
KP151704.....	5.1834	EA	5
KP151705.....	5.1834	EA	5
KP151706.....	5.4590	EA	5
KP151707.....	5.4590	EA	5
KP151708.....	6.0102	EA	5
KP151709.....	6.0102	EA	5
KP151710.....	6.2752	EA	5
KP151711.....	6.2752	EA	5
KP151712.....	6.5508	EA	5
KP151713.....	6.5508	EA	5
KP151714.....	3.2754	EA	5
KP151715.....	3.5510	EA	5
KP151716.....	3.8266	EA	5
KP151721.....	162.6252	EA	1
KP151735.....	3.8266	EA	5
KP151736.....	3.8266	EA	5
KP151737.....	2.9998	EA	5
KP151738.....	11.1300	EA	1
KP151739.....	14.6810	EA	1
KP151740.....	14.6810	EA	1
KP151741.....	14.6810	EA	1
KP151742.....	20.6912	EA	1
KP151743.....	20.6912	EA	1
KP151744.....	20.6912	EA	1
KP151745.....	1.6218	EA	1
KP151746.....	1.6218	EA	1
KP151747.....	1.6218	EA	1
KP151748.....	2.6712	EA	1
KP151749.....	2.6712	EA	1
KP151750.....	2.6712	EA	1
KP151751.....	11.9568	EA	1
KP151752.....	11.9568	EA	1
KP151753.....	11.9568	EA	1
KP151836.....	2.9680	EA	1
KP151837.....	16.4512	EA	1
KP151838.....	12.1370	EA	1
KP151840.....	0.9858	EA	1
KP151842.....	7.8546	EA	1
KP151844.....	24.3376	EA	1
KP151845.....	24.3376	EA	1
KP151846.....	1.6430	EA	1
KP151847.....	2.9468	EA	10
KP151848.....	1.6430	EA	10
KP151849.....	1.1978	EA	10
KP151850.....	1.1978	EA	10
KP151951.....	0.6816	EA	25
KP151952.....	0.6497	EA	25
KP151953.....	1.3886	EA	10
KP151954.....	1.3144	EA	10
KP151955.....	0.2653	EA	25
KP151956.....	0.6996	EA	10
KP151957.....	0.9328	EA	10
KP151958.....	0.8692	EA	10
KP151959.....	0.9540	EA	10
KP151960.....	0.9540	EA	10
KP151961.....	1.9928	EA	10
KP151962.....	0.7960	EA	25
KP151963.....	0.3979	EA	25
KP151964.....	0.4624	EA	25
KP151965.....	0.7318	EA	25
KP151966.....	0.5011	EA	25
KP151967.....	0.4807	EA	25
KP151968.....	0.5306	EA	25
KP151969.....	0.9328	EA	10
KP151970.....	0.9328	EA	10
KP151971.....	1.1130	EA	10
KP151972.....	1.1766	EA	10
KP151973.....	0.6824	EA	25
KP151974.....	0.6920	EA	25
KP151975.....	0.6352	EA	25
KP151976.....	0.5541	EA	25
KP151977.....	0.2985	EA	25
KP151978.....	0.4081	EA	50
KP152017.....	8.3528	EA	1
KP152018.....	7.2716	EA	1
KP152019.....	10.9074	EA	1
KP152020.....	13.5892	EA	1
KP152021.....	9.2008	EA	1
KP152022.....	7.7592	EA	1
KP152026.....	8.8404	EA	1
KP152027.....	9.3704	EA	1
KP152028.....	14.7764	EA	1
KP152029.....	15.4654	EA	1
KP152030.....	16.5042	EA	1
KP152031.....	10.2184	EA	1
KP152032.....	8.1938	EA	1
KP152033.....	10.7802	EA	1
KP152034.....	10.3138	EA	1
KP152035.....	12.4126	EA	1
KP152036.....	8.6814	EA	1
KP152037.....	11.3314	EA	1
KP152038.....	11.5964	EA	1
KP152039.....	12.5080	EA	1
KP152040.....	12.3808	EA	1
KP152041.....	12.3808	EA	1
KP152042.....	17.8504	EA	1
KP152043.....	17.1932	EA	1
KP152044.....	16.5042	EA	1
KP152045.....	1.8338	EA	1
KP152046.....	1.8656	EA	1
KP152047.....	9.4022	EA	1
KP152048.....	3.0422	EA	1
KP152049.....	0.6254	EA	1
KP152050.....	0.4521	EA	1
KP152051.....	1.2084	EA	1
KP152052.....	0.9222	EA	1
KP152053.....	1.0812	EA	1
KP152054.....	1.5052	EA	1
KP152055.....	1.3780	EA	1
KP152056.....	8.5118	EA	1
KP152057.....	8.0242	EA	1
KP152058.....	16.8010	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP152059.....	10.0594	EA	1
KP152060.....	9.0100	EA	5
KP152061.....	10.7484	EA	1
KP152062.....	12.1900	EA	1
KP152063.....	7.9288	EA	1
KP152064.....	19.7796	EA	1
KP152065.....	8.2256	EA	1
KP152066.....	34.1638	EA	1
KP152069.....	15.5290	EA	1
KP152070.....	30.1676	EA	1
KP152072.....	27.8250	EA	1
KP152073.....	29.3726	EA	1
KP152076.....	12.2854	EA	1
KP152077.....	5.1410	EA	1
KP152078.....	7.2716	EA	1
KP152079.....	7.2398	EA	1
KP152080.....	13.1970	EA	1
KP152225.....	5.6816	EA	1
KP152227.....	15.3700	EA	1
KP152230.....	2.9376	EA	6
KP152234.....	0.1774	EA	10
KP152235.....	0.2143	EA	10
KP152236.....	0.5261	EA	10
KP152237.....	0.5261	EA	10
KP152238.....	0.3555	EA	10
KP152239.....	0.3889	EA	10
KP152240.....	0.5319	EA	10
KP152241.....	0.7872	EA	10
KP152242.....	0.4024	EA	10
KP152243.....	0.1519	EA	10
KP152244.....	0.2361	EA	10
KP152245.....	0.2388	EA	10
KP152246.....	0.4658	EA	10
KP152247.....	0.4678	EA	10
KP152248.....	0.8097	EA	10
KP152249.....	0.5507	EA	10
KP152250.....	0.5275	EA	10
KP152251.....	0.5280	EA	10
KP152252.....	0.8226	EA	10
KP152253.....	0.4874	EA	10
KP152254.....	0.8434	EA	10
KP152255.....	0.2142	EA	10
KP152256.....	0.2512	EA	10
KP152257.....	0.3232	EA	10
KP152258.....	0.2196	EA	10
KP152259.....	0.2515	EA	10
KP152260.....	0.4046	EA	10
KP152261.....	0.3786	EA	10
KP152262.....	0.3968	EA	10
KP152263.....	0.5228	EA	10
KP152264.....	0.5283	EA	10
KP152265.....	0.7944	EA	10
KP152266.....	0.7452	EA	10
KP152267.....	0.8523	EA	10
KP152268.....	0.5499	EA	10
KP152269.....	0.5757	EA	10
KP152270.....	0.1402	EA	10
KP152271.....	0.1533	EA	10
KP152272.....	0.1926	EA	10
KP152273.....	0.3139	EA	10
KP152274.....	0.5265	EA	10
KP152275.....	0.5110	EA	10
KP152276.....	0.1941	EA	10
KP152277.....	0.1788	EA	10
KP152278.....	0.1376	EA	10
KP152279.....	0.2576	EA	10
KP152280.....	0.5110	EA	10
KP152281.....	0.5393	EA	10
KP152282.....	0.2861	EA	10
KP152283.....	0.2890	EA	10
KP152284.....	2.7984	EA	5
KP152285.....	1.8550	EA	5
KP152296.....	9.5930	EA	1
KP152297.....	0.7028	EA	10
KP152298.....	0.7028	EA	10
KP152299.....	0.3821	EA	10
KP152300.....	0.5404	EA	10
KP152301.....	0.7773	EA	10
KP152302.....	0.9324	EA	10
KP152303.....	0.7433	EA	10
KP152304.....	0.8178	EA	10
KP152305-1.....	5.9148	EA	1
KP152306-1.....	8.0348	EA	1
KP152307-1.....	8.0348	EA	1
KP152308-1.....	8.0348	EA	1
KP152309-1.....	5.1622	EA	1
KP152358.....	14.6386	EA	1
KP152449-D.....	3.5495	EA	1
KP152449.....	3.2764	EA	1
KP1594.....	11.2360	EA	1
KP1653.....	242.0192	EA	1
KP1654.....	343.1432	EA	1
KP1672-1.....	12.0204	EA	1
KP1678.....	0.5560	EA	10
KP1683.....	22.3448	EA	1
KP1693S.....	217.0768	EA	1
KP1695-1.....	5.5650	EA	1
KP1696-1.....	5.5650	EA	1
KP1697-1.....	5.5650	EA	1
KP1698-1.....	5.5650	EA	1
KP1701.....	10.2502	EA	1
KP1716-1.....	6.7098	EA	1
KP1716.....	5.8019	EA	6
KP1733.....	11.1194	EA	1
KP1734.....	12.2324	EA	1
KP1735.....	12.9532	EA	1
KP1736.....	14.2570	EA	1
KP1737.....	11.5858	EA	1
KP1738.....	12.9002	EA	1
KP1739.....	13.8436	EA	1
KP1740.....	15.5502	EA	1
KP1741.....	7.1232	EA	1
KP1742.....	7.1232	EA	1
KP1743.....	7.1232	EA	1
KP1744.....	6.6568	EA	1
KP17516.....	0.4558	EA	4
KP17517.....	0.4770	EA	4
KP17518.....	0.9328	EA	4
KP17520.....	1.8338	EA	4
KP17539.....	7.3670	EA	1
KP17540.....	14.5644	EA	1
KP17546.....	0.3498	EA	4
KP17548.....	0.3604	EA	4
KP17552.....	0.5194	EA	4
KP17559.....	0.9964	EA	4
KP17568.....	1.4522	EA	4
KP17573.....	1.6430	EA	4
KP17574.....	2.6818	EA	4
KP17576.....	2.3850	EA	4
KP17577.....	3.6252	EA	2
KP17579.....	6.0738	EA	1
KP17580.....	7.6744	EA	1
KP17587.....	5.5438	EA	1
KP17588.....	14.6810	EA	1
KP17631.....	2.0246	EA	4
KP17633.....	2.9150	EA	4
KP17663.....	2.9574	EA	4
KP17665.....	4.4202	EA	4
KP17666.....	3.7736	EA	4
KP17667.....	5.8936	EA	4
KP17668.....	6.7734	EA	4
KP17669.....	4.9502	EA	4
KP17670.....	7.0066	EA	4
KP17671.....	5.7770	EA	4
KP17672.....	8.4482	EA	4
KP17675.....	13.1334	EA	1
KP17676.....	14.6598	EA	1
KP17678.....	33.4748	EA	1
KP17679.....	4.1022	EA	4
KP17681.....	4.7276	EA	4
KP17682.....	5.8300	EA	4
KP17683.....	9.4764	EA	4
KP17684.....	10.5576	EA	2
KP17688.....	4.9502	EA	4
KP17689.....	5.8300	EA	4
KP17690.....	6.1056	EA	2
KP17691.....	16.2604	EA	2
KP17699.....	9.1902	EA	2
KP17700.....	5.9678	EA	2
KP17701.....	7.0278	EA	2
KP17703.....	14.7446	EA	2
KP17704.....	20.5534	EA	1
KP17706.....	34.1214	EA	1
KP17707.....	79.8180	EA	1
KP17736.....	2.6606	EA	4
KP17738.....	3.3072	EA	4
KP17739.....	4.0810	EA	4
KP17740.....	5.2152	EA	4

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP17741.....	7.4942	EA	2
KP17743.....	14.9354	EA	2
KP17752.....	6.4024	EA	4
KP17753.....	13.5256	EA	2
KP17755.....	16.4830	EA	1
KP17756.....	16.0166	EA	1
KP1779.....	7.2186	EA	2
KP17790.....	4.1658	EA	4
KP17792.....	4.8124	EA	4
KP17793.....	6.4872	EA	4
KP17794.....	8.8616	EA	2
KP17795.....	12.6034	EA	2
KP17800.....	4.6746	EA	4
KP17802.....	6.2434	EA	4
KP17803.....	8.6390	EA	4
KP17804.....	11.3950	EA	2
KP17805.....	16.5890	EA	2
KP17822.....	6.6356	EA	4
KP17823.....	8.4694	EA	4
KP17824.....	7.1868	EA	4
KP17825.....	9.6036	EA	4
KP17826.....	14.2570	EA	2
KP17827.....	21.5074	EA	2
KP17828.....	33.2310	EA	1
KP1787.....	17.6596	EA	1
KP1788.....	17.3098	EA	1
KP1812-1.....	6.9748	EA	1
KP1812.....	5.8019	EA	6
KP1814.....	0.1558	EA	100
KP1819.....	0.1421	EA	100
KP1831.....	0.3780	EA	25
KP1833.....	5.1834	EA	10
KP1834.....	4.3460	EA	10
KP1835.....	3.9432	EA	10
KP1844.....	1.6748	EA	5
KP1845.....	1.7914	EA	5
KP1847.....	12.7306	EA	1
KP1849.....	7.5896	EA	1
KP1864.....	0.4982	EA	25
KP1868.....	11.1194	EA	1
KP1869.....	30.5704	EA	1
KP1870.....	39.1882	EA	1
KP1872.....	0.2419	EA	10
KP1873.....	0.3073	EA	10
KP1874.....	0.2443	EA	10
KP1875.....	7.5472	EA	1
KP1877.....	0.1613	EA	100
KP1882.....	0.2415	EA	100
KP1892.....	67.1934	EA	1
KP1893.....	10.9604	EA	1
KP1894.....	9.8368	EA	6
KP1896.....	10.9604	EA	1
KP1899.....	1.8444	EA	1
KP19070S.....	0.1136	EA	100
KP19072S.....	0.1742	EA	100
KP19076S.....	0.6416	EA	25
KP1909.....	4.3036	EA	1
KP1910.....	5.3954	EA	1
KP1911.....	7.6744	EA	1
KP1912.....	11.2466	EA	1
KP1913.....	17.4688	EA	1
KP1914.....	24.3694	EA	1
KP1915.....	31.9908	EA	1
KP1916.....	51.3676	EA	1
KP1917.....	63.7166	EA	1
KP1937-1.....	0.0227	EA	250
KP1937.....	0.0096	EA	500
KP1938-1.....	0.0148	EA	250
KP1938.....	0.0122	EA	500
KP1951.....	0.1083	EA	100
KP1952.....	0.0667	EA	100
KP1955.....	1.7172	EA	25
KP1958.....	6.9218	EA	1
KP1960-2.....	0.1844	EA	100
KP1960.....	0.1992	EA	20
KP1963.....	2.2366	EA	10
KP1964.....	3.2542	EA	10
KP1965.....	4.8548	EA	10
KP1970.....	0.3113	EA	50
KP1974S.....	0.0881	BX	100
KP1987.....	0.4727	EA	25
KP1988.....	6.9218	EA	1
KP1999-2S.....	0.5638	EA	12
KP2008S.....	1.2802	EA	25
KP2009.....	2.3850	EA	25
KP2011-1.....	6.1904	EA	1
KP2011.....	5.5968	EA	6
KP2012.....	5.3742	EA	1
KP2013.....	2.2578	EA	25
KP2025.....	29.6270	EA	1
KP2026.....	37.4286	EA	1
KP2031-5.....	0.1772	EA	5
KP2035.....	0.2889	EA	25
KP2050.....	10.6000	EA	1
KP2051.....	11.1724	EA	1
KP2052.....	11.9038	EA	2
KP2053.....	12.8896	EA	2
KP2054.....	16.1120	EA	2
KP2055.....	17.7020	EA	2
KP2056.....	19.6100	EA	2
KP2057.....	23.5744	EA	2
KP2058.....	20.6170	EA	2
KP2059.....	24.6026	EA	1
KP2060.....	25.5884	EA	1
KP2061.....	25.9700	EA	1
KP2062.....	34.7150	EA	1
KP2064.....	35.4252	EA	1
KP2092.....	2.2578	EA	5
KP2093.....	3.2436	EA	5
KP2094.....	4.5898	EA	5
KP2095.....	3.3390	EA	5
KP2096.....	3.4980	EA	5
KP2097.....	4.9714	EA	5
KP2101.....	1.5475	EA	10
KP2102.....	2.0988	EA	10
KP2105.....	25.7262	EA	1
KP2108.....	13.3666	EA	1
KP22885S.....	43.1689	EA	1
KP22887S.....	72.5208	EA	1
KP22982.....	0.0445	EA	100
KP23123.....	0.0696	EA	100
KP23353.....	21.3166	EA	1
KP23354.....	22.4402	EA	1
KP23355.....	3.9432	EA	1
KP23356.....	7.3140	EA	1
KP23357.....	9.5612	EA	1
KP23358.....	30.3054	EA	1
KP23359.....	25.3128	EA	1
KP23360.....	15.7410	EA	1
KP23390.....	18.0200	EA	1
KP23391.....	31.5244	EA	1
KP23392.....	23.6486	EA	1
KP23393.....	31.5244	EA	1
KP23394.....	47.2866	EA	1
KP23395.....	31.5244	EA	1
KP23396.....	40.5238	EA	1
KP23397.....	61.9252	EA	1
KP23398.....	31.5244	EA	1
KP23407S.....	58.0673	RL	1
KP23408S.....	74.0858	RL	1
KP23410.....	27.0618	EA	1
KP23577.....	5.5544	EA	5
KP23578.....	5.7876	EA	5
KP23579.....	6.0314	EA	5
KP23580.....	11.1830	EA	2
KP23581.....	11.2360	EA	2
KP23582.....	11.4798	EA	2
KP23583.....	4.5792	EA	5
KP23584.....	6.3070	EA	5
KP23585.....	4.3990	EA	5
KP23586.....	4.5156	EA	5
KP23587.....	5.5544	EA	5
KP23588.....	5.7876	EA	5
KP23589.....	6.0314	EA	5
KP23590.....	11.1830	EA	2
KP23591.....	11.2360	EA	2
KP23592.....	11.0028	EA	2
KP23593.....	3.8266	EA	5
KP23594.....	6.3070	EA	2
KP23647.....	0.0523	EA	100
KP23649.....	0.0643	EA	100
KP23650.....	0.0777	EA	100
KP23653.....	0.0684	EA	100
KP23655.....	0.0742	EA	100
KP23656.....	0.0848	EA	100
KP23657.....	0.1072	EA	100
KP23658.....	0.0978	EA	100
KP23659.....	0.1189	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX	ITEM NO.	NET PRICE	UOM	QUAN BOX	ITEM NO.	NET PRICE	UOM	QUAN BOX
KP23660.....	0.1361	EA	100	KP23876.....	3.2224	EA	5	KP23932.....	9.7520	EA	2
KP23662.....	0.1536	EA	100	KP23877.....	4.8124	EA	5	KP23933.....	10.4940	EA	2
KP23663.....	0.1159	EA	100	KP23878.....	5.0456	EA	5	KP23934.....	3.0740	EA	5
KP23664.....	0.1361	EA	100	KP23879.....	8.7662	EA	2	KP23935.....	7.7698	EA	2
KP23665.....	0.1558	EA	100	KP23880.....	3.9432	EA	2	KP23936.....	3.0210	EA	5
KP23667.....	0.1976	EA	100	KP23881.....	4.1976	EA	2	KP23937.....	7.7698	EA	2
KP23804.....	0.1651	EA	100	KP23882.....	5.0456	EA	2	KP23938.....	4.5686	EA	5
KP23826.....	2.2684	EA	5	KP23883.....	6.2858	EA	2	KP23939.....	11.4056	EA	2
KP23827.....	1.8444	EA	5	KP23884.....	2.9044	EA	5	KP23940.....	0.0627	EA	10
KP23828.....	1.7278	EA	5	KP23885.....	2.9044	EA	5	KP23941.....	3.0104	EA	5
KP23829.....	1.8338	EA	5	KP23886.....	1.0600	EA	5	KP23942.....	2.6606	EA	5
KP23830.....	1.8338	EA	5	KP23887.....	1.9610	EA	5	KP23943.....	2.6606	EA	5
KP23831.....	3.8266	EA	5	KP23888.....	4.3778	EA	5	KP23944.....	4.1128	EA	5
KP23832.....	3.7100	EA	5	KP23889.....	1.5264	EA	5	KP23945.....	3.9432	EA	5
KP23833.....	2.6606	EA	5	KP23890.....	1.3674	EA	5	KP23946.....	4.9820	EA	5
KP23834.....	3.3284	EA	5	KP23891.....	4.4520	EA	5	KP23947.....	4.8654	EA	5
KP23835.....	7.0278	EA	2	KP23892.....	3.0740	EA	5	KP23948.....	1.6112	EA	5
KP23836.....	6.0526	EA	2	KP23893.....	0.1112	EA	10	KP23949.....	1.7490	EA	5
KP23837.....	2.4486	EA	5	KP23894.....	3.6010	EA	10	KP23950.....	2.3744	EA	5
KP23838.....	2.0988	EA	5	KP23895.....	0.0857	EA	10	KP23951.....	5.2682	EA	5
KP23839.....	2.1094	EA	5	KP23896.....	2.4062	EA	5	KP23952.....	5.3318	EA	5
KP23840.....	2.3214	EA	5	KP23897.....	4.0068	EA	5	KP23953.....	4.1128	EA	5
KP23841.....	4.8124	EA	5	KP23898.....	2.7030	EA	5	KP23954.....	5.9572	EA	5
KP23842.....	4.8124	EA	5	KP23899.....	3.2118	EA	5	KP23955.....	4.1658	EA	5
KP23843.....	3.1588	EA	5	KP23900.....	3.3284	EA	5	KP23956.....	3.3602	EA	5
KP23844.....	3.6570	EA	5	KP23901.....	3.5828	EA	5	KP23957.....	3.5934	EA	5
KP23845.....	5.6816	EA	5	KP23902.....	4.2506	EA	5	KP23958.....	5.0986	EA	5
KP23846.....	7.3988	EA	2	KP23903.....	5.1834	EA	2	KP23959.....	5.2682	EA	5
KP23847.....	6.5402	EA	2	KP23904.....	5.7346	EA	2	KP23960.....	5.7346	EA	5
KP23848.....	6.9112	EA	2	KP23905.....	6.6038	EA	2	KP23961.....	6.3070	EA	5
KP23849.....	3.9432	EA	5	KP23906.....	2.5334	EA	5	KP23962.....	8.3422	EA	2
KP23851.....	3.5828	EA	5	KP23907.....	3.5828	EA	5	KP23963.....	9.4340	EA	2
KP23852.....	3.5828	EA	5	KP23908.....	2.7030	EA	5	KP23964.....	4.5156	EA	5
KP23853.....	5.9148	EA	2	KP23909.....	3.5828	EA	5	KP23965.....	4.5156	EA	5
KP23854.....	5.3106	EA	2	KP23910.....	2.9574	EA	5	KP23966.....	3.5934	EA	5
KP23855.....	8.8828	EA	2	KP23911.....	3.9432	EA	5	KP23967.....	3.3602	EA	5
KP23856.....	9.6248	EA	2	KP23912.....	6.0526	EA	5	KP23968.....	4.3990	EA	5
KP23857.....	3.1376	EA	5	KP23913.....	7.3988	EA	2	KP23969.....	3.4768	EA	5
KP23858.....	4.0068	EA	5	KP23914.....	8.1408	EA	2	KP23970.....	3.3072	EA	5
KP23859.....	3.0210	EA	5	KP23915.....	11.3420	EA	2	KP23971.....	4.8654	EA	5
KP23860.....	4.0068	EA	5	KP23916.....	3.0740	EA	5	KP23972.....	3.9432	EA	5
KP23861.....	6.2328	EA	2	KP23917.....	4.8124	EA	5	KP23973.....	5.2152	EA	5
KP23862.....	2.5546	EA	5	KP23918.....	3.7100	EA	5	KP23974.....	5.7876	EA	5
KP23863.....	2.2154	EA	5	KP23919.....	3.7630	EA	5	KP23975.....	5.2682	EA	2
KP23864.....	2.1094	EA	5	KP23920.....	4.6216	EA	5	KP23976.....	5.9572	EA	2
KP23865.....	3.3920	EA	5	KP23921.....	4.1976	EA	5	KP23977.....	3.1270	EA	5
KP23866.....	3.4450	EA	5	KP23922.....	6.6568	EA	5	KP23978.....	3.2436	EA	5
KP23867.....	6.3388	EA	2	KP23923.....	9.4976	EA	2	KP23979.....	3.4768	EA	5
KP23868.....	2.9574	EA	5	KP23924.....	9.6248	EA	2	KP23980.....	4.5156	EA	5
KP23869.....	2.5864	EA	5	KP23925.....	3.8266	EA	5	KP23981.....	6.3070	EA	2
KP23870.....	2.7030	EA	5	KP23926.....	6.6038	EA	5	KP23982.....	2.7772	EA	5
KP23871.....	3.5828	EA	5	KP23927.....	3.7630	EA	5	KP23983.....	3.9962	EA	5
KP23872.....	4.3036	EA	5	KP23928.....	5.5438	EA	5	KP23984.....	6.5402	EA	5
KP23873.....	6.6568	EA	2	KP23929.....	4.1340	EA	5	KP23985.....	3.8796	EA	5
KP23874.....	4.2506	EA	5	KP23930.....	5.7346	EA	5	KP23986.....	5.2152	EA	5
KP23875.....	3.3284	EA	5	KP23931.....	8.2044	EA	2	KP23987.....	3.8796	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP23988.....	4.3990	EA	5
KP23989.....	4.9290	EA	5
KP23990.....	4.6958	EA	5
KP23991.....	7.6426	EA	2
KP23992.....	8.1090	EA	2
KP23993.....	3.0104	EA	5
KP23994.....	3.3072	EA	5
KP23995.....	5.6816	EA	2
KP23996.....	4.1658	EA	5
KP23997.....	6.1374	EA	5
KP23998.....	4.3990	EA	5
KP23999.....	4.5156	EA	5
KP24090.....	0.0453	EA	100
KP24091.....	0.0529	EA	100
KP24097.....	0.2098	EA	100
KP24264.....	0.2716	EA	100
KP24265.....	0.2897	EA	100
KP24266.....	0.3260	EA	100
KP24267.....	0.3260	EA	100
KP24268.....	0.4345	EA	100
KP24269.....	0.4345	EA	100
KP24270.....	0.7118	EA	50
KP24271.....	0.8049	EA	25
KP24272.....	1.5088	EA	25
KP24273.....	1.9660	EA	25
KP24349S.....	67.0259	RL	1
KP24508.....	3.5086	EA	4
KP24509.....	5.2714	EA	4
KP24510.....	12.1199	EA	4
KP24511.....	5.0913	EA	4
KP24512.....	4.5898	EA	4
KP24513.....	5.5120	EA	4
KP24514.....	9.8627	EA	4
KP24515.....	7.0056	EA	4
KP24516.....	6.0526	EA	4
KP24517.....	8.1514	EA	2
KP24518.....	11.2996	EA	2
KP24519.....	9.3810	EA	2
KP24520.....	11.2996	EA	1
KP24521.....	11.2996	EA	1
KP24522.....	19.7584	EA	1
KP24523.....	1.6960	EA	4
KP24524.....	2.3532	EA	4
KP24525.....	2.6606	EA	4
KP24526.....	2.4274	EA	4
KP24527.....	3.6358	EA	4
KP24528.....	3.4450	EA	4
KP24529.....	1.8126	EA	4
KP24530.....	2.6182	EA	4
KP24531.....	5.3318	EA	4
KP24532.....	4.5156	EA	4
KP24533.....	5.4696	EA	4
KP24534.....	9.9640	EA	2
KP24535.....	13.8966	EA	1
KP24536.....	6.3143	EA	4
KP24537.....	3.2224	EA	4
KP24538.....	3.7100	EA	4
KP24539.....	3.7636	EA	4
KP24540.....	4.8654	EA	2
KP24541.....	4.5156	EA	2
KP24542.....	5.0986	EA	2
KP24543.....	13.8966	EA	1
KP24544.....	7.4094	EA	1
KP24545.....	14.1192	EA	1
KP24713.....	0.1237	EA	100
KP24714.....	0.1324	EA	100
KP24715.....	0.1403	EA	100
KP24716.....	0.1575	EA	100
KP24722.....	0.1719	EA	100
KP24723.....	0.1807	EA	100
KP24724.....	0.1880	EA	100
KP24725.....	0.1920	EA	100
KP24726.....	0.2474	EA	50
KP24728.....	0.3132	EA	50
KP24729.....	0.3804	EA	50
KP24730.....	0.3868	EA	50
KP24731.....	0.2709	EA	50
KP24732.....	0.2812	EA	50
KP24733.....	0.3035	EA	50
KP24734.....	0.3123	EA	50
KP24735.....	0.3267	EA	50
KP24736.....	0.3637	EA	50
KP24737.....	0.3952	EA	50
KP24738.....	0.5249	EA	50
KP24739.....	0.4555	EA	50
KP24741.....	0.5564	EA	50
KP24742.....	0.5718	EA	50
KP24743.....	0.5861	EA	50
KP24744.....	0.7120	EA	50
KP24745.....	0.7642	EA	50
KP24746.....	0.7992	EA	50
KP24846.....	0.6550	EA	25
KP24847.....	0.7861	EA	25
KP24852.....	0.9709	EA	25
KP24853.....	1.0922	EA	25
KP24856.....	0.4242	EA	100
KP24862.....	1.3992	EA	25
KP24863.....	1.5370	EA	25
KP24885.....	11.1512	EA	5
KP24888.....	10.2820	EA	5
KP25097.....	0.3441	EA	25
KP25098.....	0.3543	EA	25
KP25099.....	0.3640	EA	25
KP25100.....	0.8092	EA	25
KP25361-2.....	2.9256	EA	5
KP25362-2.....	3.3072	EA	5
KP25363-2.....	3.7524	EA	5
KP25369-2.....	1.7808	EA	5
KP25370-2.....	2.0882	EA	5
KP25371-2.....	2.4698	EA	5
KP25372-2.....	3.2648	EA	5
KP25373.....	5.0774	EA	1
KP25374.....	4.3036	EA	1
KP25458.....	0.4426	EA	25
KP25588S.....	28.7893	EA	1
KP25596S.....	30.1987	EA	1
KP25845.....	5.5438	EA	1
KP25847.....	11.7130	EA	1
KP25849.....	24.0090	EA	1
KP25920.....	8.2680	EA	1
KP25921.....	9.0948	EA	1
KP25922.....	9.9110	EA	1
KP25923.....	16.5254	EA	1
KP25924.....	19.8432	EA	1
KP25925.....	8.7132	EA	1
KP25926.....	9.5930	EA	1
KP25927.....	9.3810	EA	1
KP25928.....	10.2078	EA	1
KP25929.....	13.1758	EA	1
KP25930.....	14.2146	EA	1
KP25931.....	15.0732	EA	1
KP25932.....	21.1576	EA	1
KP25933.....	22.8218	EA	1
KP25934.....	24.4966	EA	1
KP25936.....	8.2680	EA	1
KP25937.....	9.0948	EA	1
KP25938.....	9.9110	EA	1
KP25939.....	10.7590	EA	1
KP25940.....	10.7590	EA	1
KP25941.....	19.8432	EA	1
KP25942.....	13.0592	EA	1
KP25943.....	17.4476	EA	1
KP25944.....	13.2606	EA	1
KP25945.....	15.6244	EA	1
KP25946.....	15.9106	EA	1
KP25947.....	19.9174	EA	1
KP25948.....	24.4648	EA	1
KP25950.....	4.5686	EA	2
KP25951.....	4.7700	EA	2
KP25952.....	5.2576	EA	2
KP25953.....	6.9748	EA	2
KP25954.....	8.3104	EA	2
KP25955.....	15.8894	EA	1
KP25956.....	25.5778	EA	1
KP25957.....	33.4642	EA	1
KP25958.....	44.4670	EA	1
KP25959.....	54.0176	EA	1
KP25964.....	0.5724	EA	10
KP25965.....	0.5724	EA	10
KP25966.....	0.5724	EA	10
KP25967.....	0.5724	EA	10
KP25968.....	0.5724	EA	10
KP25969.....	0.5724	EA	10
KP25970.....	0.6254	EA	10
KP25971.....	0.6254	EA	10
KP25972.....	0.6254	EA	10
KP25973.....	0.6254	EA	10
KP25974.....	0.6254	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP25975.....	0.6254	EA	10
KP25976.....	0.7208	EA	10
KP25977.....	0.7208	EA	10
KP25978.....	0.7208	EA	10
KP25979.....	0.7208	EA	10
KP25980.....	0.7208	EA	10
KP25981.....	0.7208	EA	10
KP25982.....	1.4098	EA	10
KP25983.....	1.4098	EA	10
KP25984.....	1.4098	EA	10
KP25985.....	1.4098	EA	10
KP25986.....	1.4098	EA	10
KP25987.....	1.4098	EA	10
KP25988.....	0.6678	EA	10
KP25989.....	0.8586	EA	10
KP25990.....	1.2402	EA	10
KP25991.....	1.6112	EA	10
KP25992.....	8.6708	EA	1
KP25993.....	8.6708	EA	1
KP25994.....	8.6708	EA	1
KP25995.....	8.6708	EA	1
KP25996.....	8.6708	EA	1
KP25997.....	8.6708	EA	1
KP25998.....	27.2208	EA	1
KP25999.....	6.0738	EA	1
KP26034.....	12.0204	EA	1
KP26035S.....	5.3881	EA	1
KP26041.....	0.6360	EA	10
KP26042.....	7.7274	EA	1
KP26043.....	4.2930	EA	1
KP26044.....	6.5932	EA	1
KP26053.....	1.1660	EA	10
KP26054.....	1.2402	EA	10
KP26061.....	2.1730	EA	10
KP26084.....	0.4982	EA	10
KP26085.....	0.4982	EA	10
KP26109.....	0.5751	EA	6
KP26114.....	0.4982	EA	10
KP26116.....	0.9646	EA	10
KP26128.....	0.9646	EA	10
KP26132S.....	1.5001	EA	10
KP26134.....	2.1942	EA	10
KP26138.....	11.0770	EA	1
KP26139.....	11.0770	EA	1
KP26140.....	11.0770	EA	1
KP26141.....	11.0770	EA	1
KP26142.....	13.2076	EA	1
KP26156S.....	0.8928	EA	25
KP26157S.....	0.9931	EA	25
KP26158.....	1.6583	EA	25
KP26167.....	0.4669	EA	25
KP26237.....	10.8862	EA	1
KP26241.....	10.8862	EA	1
KP26242.....	11.2360	EA	1
KP26244.....	13.6316	EA	1
KP26246.....	12.0840	EA	1
KP26248.....	14.6810	EA	1
KP26264S.....	24.2254	EA	1
KP26267.....	39.2730	EA	1
KP26273S.....	48.7312	EA	1
KP26275S.....	51.7594	EA	1
KP26278S.....	53.8501	EA	1
KP26287.....	8.2468	EA	3
KP26288.....	7.6828	EA	3
KP26289.....	8.2468	EA	3
KP26290.....	8.2468	EA	3
KP26292.....	7.0596	EA	1
KP26303.....	3.4132	EA	5
KP26304.....	3.5828	EA	5
KP26307S.....	3.7681	EA	5
KP26321.....	0.9646	EA	10
KP26335.....	2.5970	EA	6
KP26351.....	6.7840	EA	6
KP26354.....	1.7490	EA	6
KP26355.....	2.1624	EA	6
KP26357.....	7.8758	EA	1
KP26358.....	8.4376	EA	1
KP26359.....	8.9994	EA	1
KP26360.....	9.5612	EA	1
KP26361.....	10.1230	EA	1
KP26362.....	10.6848	EA	1
KP26363.....	7.8758	EA	1
KP26364.....	8.4376	EA	1
KP26365.....	8.9994	EA	1
KP26374.....	0.6784	EA	10
KP26423.....	26.5530	EA	2
KP26425.....	55.6818	EA	1
KP26426.....	81.4080	EA	1
KP26447.....	27.7296	EA	2
KP26448.....	28.4292	EA	2
KP26449.....	57.5580	EA	1
KP26450.....	83.8248	EA	1
KP26495.....	0.9697	EA	10
KP26496.....	1.0472	EA	10
KP26497.....	1.3549	EA	10
KP26498.....	1.3504	EA	10
KP26499.....	1.4928	EA	10
KP26500.....	1.4192	EA	10
KP26501.....	1.3155	EA	10
KP26502.....	1.8447	EA	10
KP26503.....	1.7555	EA	10
KP26504.....	1.9408	EA	10
KP26505.....	1.7101	EA	10
KP26507.....	27.1572	EA	1
KP26508.....	24.6238	EA	1
KP26509.....	30.1146	EA	1
KP26510.....	18.9740	EA	1
KP26511.....	20.5534	EA	1
KP26512.....	3.9962	EA	1
KP26513.....	13.9602	EA	1
KP26514.....	67.0662	EA	1
KP26515.....	40.7252	EA	1
KP26516.....	24.6238	EA	1
KP26997.....	1.3250	EA	10
KP26998.....	0.9010	EA	10
KP27006.....	0.5843	EA	25
KP27143-1.....	1.0586	EA	10
KP27279.....	2.4274	EA	5
KP27284.....	2.3214	EA	3
KP27285.....	3.0316	EA	3
KP27286-1.....	7.1762	EA	3
KP27299.....	1.3909	EA	5
KP27300.....	1.6218	EA	5
KP27316.....	8.6706	EA	5
KP27317.....	1.7702	EA	5
KP27335.....	2.3320	EA	3
KP27336.....	2.3320	EA	3
KP27337.....	3.0316	EA	3
KP27345.....	0.1020	EA	100
KP27366.....	15.2640	EA	3
KP27370.....	10.7802	EA	3
KP27380.....	9.4022	EA	2
KP28000.....	0.0916	EA	100
KP28001.....	0.1024	EA	100
KP28003.....	0.1435	EA	100
KP28004.....	0.1330	EA	100
KP28005.....	0.1397	EA	100
KP28007.....	0.1639	EA	100
KP28011.....	0.2325	EA	100
KP28015.....	32.4678	EA	1
KP28019.....	35.6160	EA	1
KP28047.....	11.5540	EA	1
KP28070.....	6.7204	EA	1
KP28071.....	275.7484	EA	1
KP28080.....	16.4936	EA	1
KP28081.....	16.4936	EA	1
KP28082.....	25.4930	EA	1
KP28083.....	18.2744	EA	1
KP28086.....	44.9864	EA	1
KP28087.....	37.1106	EA	1
KP28090.....	72.5358	EA	1
KP28091.....	106.7738	EA	1
KP28092.....	95.5378	EA	1
KP28093.....	185.5000	EA	1
KP28116.....	0.2940	EA	100
KP28118.....	0.4374	EA	100
KP28119.....	0.4900	EA	100
KP28285.....	1.2826	EA	4
KP28286.....	0.6360	EA	4
KP28307.....	20.8502	EA	1
KP28308S.....	18.7823	EA	1
KP28309.....	23.1716	EA	1
KP29896.....	270.1198	EA	1
KP30033.....	2.7136	EA	10
KP30034.....	3.9432	EA	10
KP30035.....	2.7136	EA	10
KP30036.....	3.5404	EA	10
KP3051-1.....	1.2661	EA	30

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP3051	0.9011	EA	25
KP305966	1.0918	EA	12
KP305967	1.0918	BX	12
KP305968	1.0918	EA	12
KP305984	4.9184	EA	12
KP305991	0.6042	BX	12
KP305994	4.6958	EA	12
KP306011	2.8408	EA	12
KP3068	1.5132	EA	25
KP3073-4	1.7490	EA	25
KP3073	0.9011	EA	25
KP3081	0.1129	EA	100
KP3083S	0.1734	EA	50
KP3084	0.1810	EA	50
KP3085S	0.1953	EA	50
KP3086S	0.2073	EA	50
KP3087S	0.2338	EA	50
KP3088S	0.3037	EA	50
KP3092	0.1835	EA	25
KP31026	0.0184	EA	100
KP3137	0.4750	EA	10
KP3141	0.5101	EA	10
KP3149	0.2811	EA	25
KP320	0.3523	EA	50
KP32005	0.4821	EA	50
KP32010	3.1800	EA	10
KP32011	4.3884	EA	10
KP32012	7.3670	EA	10
KP3209	483.5614	EA	1
KP3210	967.1122	EA	1
KP350	0.1447	EA	100
KP35000	0.0080	EA	500
KP35001	0.0085	EA	500
KP35002	0.0120	EA	500
KP35003	0.0120	EA	500
KP35004	0.0142	EA	500
KP35005	0.0161	EA	500
KP35006	0.0205	EA	250
KP35007	0.0248	EA	250
KP35008	0.0271	EA	250
KP35009	0.0298	EA	250
KP35010	0.0235	EA	250
KP35011	0.0263	EA	250
KP35012	0.0322	EA	250
KP35013	0.0338	EA	250
KP35014	0.0422	EA	250
KP35015	0.0456	EA	250
KP35016-1	0.2662	EA	50
KP35017-1	0.2932	EA	50
KP35018	0.0399	EA	250
KP35019	0.0483	EA	250
KP35020	0.0538	EA	250
KP35021-1	0.2891	EA	50
KP35022-1	0.3230	EA	50
KP35023-1	0.5015	EA	25
KP35033	0.0879	EA	50
KP35035-1	0.4848	EA	25
KP35036-1	0.5269	EA	25
KP35037-1	0.6511	EA	25
KP35038	0.2495	EA	50
KP35048	0.3487	EA	25
KP35063	0.0290	EA	250
KP35065S	38.5024	LB	5
KP35070S	7.7978	LB	10
KP35076S	45.1072	LB	5
KP35085S	8.5760	LB	10
KP35086S	8.5760	LB	10
KP35088S	39.0451	LB	5
KP351	0.1576	EA	100
KP35101S	21.0790	LB	10
KP35102S	21.0790	LB	10
KP35121S	82.9926	EA	1
KP35159	14.3842	EA	1
KP35182	10.5788	EA	2
KP35190	3.3072	EA	5
KP352	0.1794	EA	100
KP35278	1.8656	EA	5
KP35284	1.4522	EA	5
KP353	0.2013	EA	100
KP35317	2.0458	EA	5
KP35335	3.1270	EA	5
KP35339	13.1334	EA	2
KP35375	4.0386	EA	5
KP35412	8.2256	EA	1
KP35413	11.7448	EA	1
KP35433	1.1660	EA	2
KP35434	1.1660	EA	2
KP35435	1.1660	EA	2
KP35454	2.1299	EA	2
KP35466	4.1234	EA	2
KP35467	4.1234	EA	2
KP35468	4.1234	EA	2
KP35469	4.1234	EA	2
KP35470	4.1234	EA	2
KP35471	4.1234	EA	2
KP35472	4.1234	EA	2
KP35513	3.0528	EA	2
KP35515	3.0528	EA	2
KP35517	1.9928	EA	2
KP35519	1.8338	EA	2
KP35520	1.1978	EA	2
KP35524	1.7384	EA	2
KP35525	2.1942	EA	2
KP35557	3.5722	EA	2
KP35558	3.5722	EA	2
KP35559	3.5722	EA	2
KP35560	4.1234	EA	2
KP35561	5.9890	EA	2
KP35592	12.9956	EA	1
KP35593	14.1298	EA	1
KP35598	12.6246	EA	1
KP35599	14.1298	EA	1
KP35600	15.7834	EA	1
KP35615	7.1338	EA	1
KP35616	9.5188	EA	1
KP35617	11.1936	EA	1
KP35618	6.4429	EA	1
KP35619	13.9814	EA	1
KP35620	6.5429	EA	1
KP35621	8.8934	EA	1
KP35622	10.5894	EA	1
KP35625	0.4876	EA	2
KP35626	57.0174	EA	1
KP35627	13.7164	EA	1
KP35632	5.1622	EA	1
KP362	0.2485	EA	100
KP36304	32.8706	EA	1
KP36307	16.2074	EA	1
KP36309	21.8890	EA	1
KP36310	5.4908	EA	1
KP36311	7.1974	EA	1
KP36312	8.4376	EA	1
KP36313	15.6562	EA	1
KP36314	22.4720	EA	1
KP36316	1.5264	EA	2
KP36317	1.5264	EA	2
KP36318	1.5264	EA	2
KP36319	1.8444	EA	2
KP36320	3.0740	EA	2
KP36321	4.0068	EA	2
KP36322	4.0068	EA	2
KP36323	4.0068	EA	2
KP36324	4.0068	EA	2
KP36325	4.0068	EA	2
KP36326	4.0068	EA	2
KP36327	4.3036	EA	2
KP36328	4.3036	EA	2
KP36329	4.3036	EA	2
KP36330	8.9464	EA	2
KP36331	8.9464	EA	2
KP36332	8.9464	EA	2
KP36333	8.9464	EA	2
KP36334	8.9464	EA	2
KP36338	14.6810	EA	1
KP36355	1.0228	EA	25
KP36366	4.2612	EA	10
KP36369S	225.7824	EA	1
KP36392	0.9646	EA	10
KP36393	1.0176	EA	10
KP36417	1.3038	EA	10
KP36418	1.6536	EA	10
KP36419	1.8974	EA	5
KP36420	1.8974	EA	5
KP36421	2.2366	EA	2
KP36422	2.9044	EA	2
KP36423	3.4980	EA	2
KP36441S	70.4862	EA	1
KP367	0.4788	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP36879.....	0.3326	EA	25
KP36880.....	1.0272	EA	25
KP36881.....	0.4561	EA	10
KP36882.....	0.5569	EA	10
KP36889.....	0.1889	EA	25
KP36900.....	0.3284	EA	25
KP36910.....	0.2160	EA	25
KP36911.....	0.5928	EA	10
KP36913.....	0.6667	EA	10
KP36914.....	0.7415	EA	10
KP36915.....	0.4606	EA	25
KP36916.....	0.5710	EA	25
KP36921.....	0.5260	EA	25
KP36934.....	0.5938	EA	10
KP36935.....	1.0940	EA	10
KP36936.....	1.3359	EA	10
KP36937.....	0.8910	EA	10
KP36938.....	0.1363	EA	25
KP36940.....	0.5557	EA	10
KP36941.....	0.4808	EA	10
KP36942.....	0.6074	EA	10
KP36944.....	0.7834	EA	10
KP36948.....	0.5963	EA	10
KP36950.....	0.4166	EA	25
KP36951.....	0.6254	EA	10
KP36955.....	0.6148	EA	10
KP36956.....	0.4487	EA	10
KP36958.....	0.0765	EA	25
KP36959.....	0.0765	EA	25
KP36960.....	0.0888	EA	25
KP36961.....	0.1018	EA	25
KP36962.....	0.1314	EA	25
KP36963.....	0.1462	EA	25
KP36964.....	0.1685	EA	25
KP36965.....	0.2321	EA	25
KP36974.....	0.3457	EA	25
KP36979.....	0.6494	EA	10
KP36997.....	0.7409	EA	10
KP37020.....	0.1842	EA	50
KP37021.....	0.1903	EA	50
KP37022.....	0.1974	EA	50
KP37024.....	0.2147	EA	50
KP37025.....	0.0992	EA	50
KP37026.....	0.1083	EA	50
KP37029.....	0.1195	EA	50
KP37031.....	0.1330	EA	50
KP37035.....	0.1174	EA	50
KP37036.....	0.1225	EA	50
KP37040.....	0.1477	EA	50
KP37043.....	0.2237	EA	50
KP37049.....	0.2043	EA	25
KP37051.....	0.2652	EA	25
KP37053.....	0.3472	EA	25
KP37054.....	0.1924	EA	25
KP37056.....	0.2714	EA	25
KP37077.....	0.9964	EA	10
KP37175.....	4.1446	EA	1
KP372.....	0.5923	EA	25
KP38016.....	0.4600	EA	50
KP38017.....	0.4964	EA	50
KP38019.....	0.3373	EA	50
KP38023.....	0.4802	EA	25
KP38024.....	0.1116	EA	25
KP38025.....	0.1464	EA	25
KP38028.....	0.1223	EA	25
KP38029.....	0.1223	EA	25
KP38030.....	0.1614	EA	25
KP38031.....	0.1843	EA	25
KP38071.....	2.0776	EA	5
KP38072.....	2.0776	EA	5
KP38073.....	2.0776	EA	5
KP38075.....	16.9167	EA	5
KP38079.....	26.8498	EA	1
KP38100.....	0.3409	EA	50
KP38107.....	0.2896	EA	50
KP38115.....	0.5221	EA	50
KP38118.....	0.6274	EA	50
KP38123.....	0.1187	EA	100
KP38165.....	0.1382	EA	100
KP38170.....	0.1414	EA	100
KP38200.....	51.4630	EA	1
KP38201.....	80.1996	EA	1
KP38202.....	13.1652	EA	1
KP38203.....	19.0270	EA	1
KP38208.....	2.9362	EA	10
KP38209.....	3.1588	EA	10
KP38210.....	3.3920	EA	5
KP38211.....	3.4874	EA	5
KP38212.....	3.6252	EA	5
KP38213.....	3.9644	EA	5
KP38214.....	4.8654	EA	2
KP38215.....	5.6180	EA	2
KP38216.....	7.6638	EA	2
KP38227.....	23.4366	EA	1
KP38228.....	24.4330	EA	1
KP38229.....	31.5668	EA	1
KP38230.....	47.6576	EA	1
KP38231.....	52.9576	EA	1
KP38232.....	61.1196	EA	1
KP38233.....	106.7950	EA	1
KP38234.....	45.4634	EA	1
KP38235.....	51.9612	EA	1
KP38236.....	61.6920	EA	1
KP38237.....	71.4440	EA	1
KP38238.....	102.8200	EA	1
KP38239.....	128.3448	EA	1
KP38268.....	77.1786	EA	1
KP38270S.....	57.5750	EA	1
KP38282.....	17.7338	EA	1
KP38371.....	22.7900	EA	1
KP38372.....	22.7900	EA	1
KP38373.....	22.7900	EA	1
KP38374.....	22.7900	EA	1
KP38375.....	22.7900	EA	1
KP38376.....	22.7900	EA	1
KP38377.....	24.5390	EA	1
KP38378.....	24.5390	EA	1
KP38379.....	24.5390	EA	1
KP38387.....	0.7389	EA	10
KP38388.....	0.8594	EA	10
KP38389.....	0.9603	EA	10
KP38390.....	1.1525	EA	10
KP38391.....	1.3470	EA	10
KP38392.....	1.4537	EA	10
KP38393.....	1.6169	EA	10
KP38394.....	1.9320	EA	10
KP38395.....	2.3698	EA	10
KP38396.....	5.8618	EA	1
KP38397.....	9.3386	EA	1
KP38398.....	6.7522	EA	1
KP38399.....	13.3772	EA	1
KP38469.....	39.0080	EA	1
KP38470.....	42.3258	EA	1
KP38471.....	45.6436	EA	1
KP38472.....	25.1538	EA	1
KP38473.....	30.6340	EA	1
KP38474.....	17.0130	EA	1
KP38475.....	83.7930	EA	1
KP38476.....	37.7784	EA	1
KP38477.....	114.7662	EA	1
KP38478.....	1.9822	EA	1
KP38491.....	23.1186	EA	1
KP38500.....	0.4982	EA	10
KP38507.....	0.7420	EA	10
KP38516.....	0.8268	EA	10
KP38517.....	0.8268	EA	10
KP38518.....	0.8056	EA	10
KP38520.....	0.8798	EA	10
KP38525.....	6.8582	EA	1
KP38533.....	0.9540	EA	10
KP38536.....	1.5688	EA	10
KP38542.....	11.7872	EA	1
KP38546.....	14.0344	EA	1
KP38553.....	5.0774	EA	2
KP38554.....	5.2152	EA	2
KP38555.....	7.5790	EA	2
KP38556.....	5.1516	EA	2
KP38557.....	4.7064	EA	2
KP38558.....	7.3111	EA	2
KP38559.....	5.9678	EA	2
KP38560.....	9.1584	EA	2
KP38561.....	8.5118	EA	2
KP38562.....	17.1614	EA	1
KP38563.....	36.1354	EA	1
KP38564.....	8.0666	EA	2
KP38565.....	9.6566	EA	2
KP38566.....	12.7366	EA	1
KP38567.....	18.2937	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP38568.....	8.1938	EA	1
KP38569.....	13.5998	EA	1
KP38570.....	8.5330	EA	1
KP38571.....	10.8650	EA	1
KP38572.....	9.5188	EA	1
KP38573.....	12.5822	EA	1
KP38574.....	34.0578	EA	1
KP38575.....	6.0526	EA	2
KP38576.....	7.4942	EA	2
KP38577.....	8.5860	EA	2
KP38578.....	7.3352	EA	2
KP38579.....	7.3352	EA	2
KP38580.....	12.4974	EA	1
KP38581.....	21.6770	EA	1
KP38582.....	61.4376	EA	1
KP38583.....	4.8866	EA	2
KP38584.....	6.1430	EA	2
KP38585.....	5.1430	EA	2
KP38586.....	5.6397	EA	2
KP38587.....	6.0950	EA	2
KP38588.....	9.0397	EA	2
KP38589.....	9.6571	EA	2
KP38590.....	18.0518	EA	1
KP38591.....	11.7937	EA	1
KP38592.....	26.3223	EA	1
KP38593.....	21.8509	EA	1
KP38594.....	41.2286	EA	1
KP38595.....	11.2148	EA	1
KP38596.....	14.3630	EA	1
KP38597.....	15.8152	EA	1
KP38598.....	19.0270	EA	1
KP38599.....	25.2492	EA	1
KP386.....	0.2013	EA	100
KP38600.....	39.5062	EA	1
KP38601.....	9.5147	EA	1
KP38602.....	11.5004	EA	1
KP38603.....	12.4794	EA	1
KP38604.....	17.9794	EA	1
KP38605.....	16.5937	EA	1
KP38606.....	31.5138	EA	1
KP38607.....	54.8974	EA	1
KP38608.....	11.3714	EA	1
KP38609.....	14.4000	EA	1
KP38610.....	13.5429	EA	1
KP38611.....	21.9314	EA	1
KP38612.....	6.7540	EA	2
KP38614.....	43.6720	EA	1
KP38615.....	81.8850	EA	1
KP38616.....	92.8030	EA	1
KP38617.....	70.9670	EA	1
KP38618.....	32.7540	EA	1
KP38619.....	136.0616	EA	1
KP38620.....	125.1754	EA	1
KP38621.....	114.2892	EA	1
KP38622.....	146.9372	EA	1
KP38623.....	70.7550	EA	1
KP38624.....	152.3856	EA	1
KP38625.....	19.5888	EA	1
KP38626.....	27.2102	EA	1
KP38645.....	0.3112	EA	10
KP38647.....	0.5779	EA	25
KP38650.....	29.9980	EA	1
KP38651.....	0.5557	EA	25
KP38652.....	0.4038	EA	25
KP38654.....	0.3519	EA	25
KP38655.....	0.3296	EA	25
KP3866.....	0.7529	EA	5
KP3867.....	0.9964	EA	1
KP3868.....	1.3462	EA	1
KP3869.....	1.7596	EA	1
KP3870.....	3.3284	EA	5
KP3871.....	3.1694	EA	5
KP3872.....	2.1412	EA	5
KP3873.....	2.0352	EA	5
KP3874.....	2.3320	EA	5
KP3875.....	3.0528	EA	5
KP3876.....	4.0598	EA	1
KP3877.....	4.9714	EA	1
KP3878.....	6.2858	EA	1
KP3879.....	0.7632	EA	10
KP3880.....	0.7632	EA	10
KP3881.....	0.6360	EA	10
KP3882.....	0.7420	EA	5
KP3883.....	1.1130	EA	5
KP3884.....	1.4310	EA	1
KP3885.....	1.9080	EA	1
KP3886.....	2.7772	EA	1
KP3887.....	0.7459	EA	10
KP3888.....	0.7459	EA	10
KP3889.....	0.7459	EA	10
KP389.....	0.1837	EA	100
KP3890.....	0.6811	EA	10
KP3891.....	0.6416	EA	10
KP3892.....	0.8374	EA	5
KP3893.....	0.8374	EA	5
KP3894.....	0.7420	EA	5
KP3895.....	1.1448	EA	5
KP3896.....	1.1448	EA	5
KP3897.....	1.4310	EA	1
KP3898.....	1.4310	EA	1
KP3899.....	1.8126	EA	1
KP3900.....	2.9998	EA	1
KP3901.....	2.6182	EA	1
KP3902.....	0.9328	EA	10
KP3903.....	0.9328	EA	10
KP3904.....	0.9328	EA	10
KP3905.....	0.9646	EA	10
KP3906.....	0.9328	EA	5
KP3907.....	1.3462	EA	5
KP3908.....	2.0458	EA	1
KP3909.....	2.7348	EA	1
KP3910.....	4.4202	EA	1
KP3911.....	1.4522	EA	10
KP3912.....	1.0812	EA	10
KP3913.....	1.2190	EA	10
KP3914.....	0.9964	EA	10
KP3915.....	1.5158	EA	5
KP3916.....	1.7596	EA	5
KP3917.....	3.0316	EA	1
KP3918.....	3.7630	EA	1
KP3919.....	6.3388	EA	1
KP3920.....	0.6463	EA	10
KP3921.....	0.6140	EA	10
KP3922.....	0.6140	EA	10
KP3923.....	0.4633	EA	10
KP3924.....	0.5194	EA	5
KP3925.....	0.9964	EA	5
KP3926.....	1.5794	EA	1
KP3927.....	2.0882	EA	1
KP3928.....	3.5934	EA	1
KP3929.....	0.9359	EA	10
KP3930.....	0.9544	EA	10
KP3931..?.....	0.8663	EA	10
KP3932.....	0.7505	EA	10
KP3933.....	0.9010	EA	5
KP3934.....	1.1660	EA	5
KP3935.....	2.0458	EA	1
KP3936.....	2.5334	EA	1
KP39369.....	41.8806	EA	1
KP3937.....	3.8054	EA	1
KP3938.....	0.9964	EA	10
KP3939.....	0.9222	EA	10
KP3940.....	0.9222	EA	10
KP3941.....	0.6148	EA	10
KP3942.....	0.8374	EA	5
KP3943.....	1.4946	EA	5
KP3944.....	2.4486	EA	1
KP3945.....	3.0316	EA	1
KP3946.....	5.1516	EA	1
KP3947.....	0.9220	EA	5
KP3948.....	1.1547	EA	1
KP3949.....	1.7172	EA	1
KP395.....	0.2485	EA	100
KP3950.....	2.1730	EA	1
KP3951.....	3.9220	EA	5
KP3952.....	3.7842	EA	5
KP3953.....	2.5334	EA	5
KP3954.....	2.4062	EA	5
KP3955.....	2.7666	EA	5
KP3956.....	3.6252	EA	5
KP3957.....	5.1198	EA	1
KP3958.....	6.3070	EA	1
KP3959.....	7.3140	EA	1
KP3960.....	0.9964	EA	10
KP3961.....	0.9964	EA	10
KP3962.....	0.7844	EA	10
KP3963.....	0.8904	EA	5
KP3964.....	1.4946	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP3965.....	2.0564	EA	1
KP3966.....	2.3426	EA	1
KP3967.....	3.4238	EA	1
KP3968.....	0.9220	EA	10
KP3969.....	0.9220	EA	10
KP3970.....	0.9220	EA	10
KP3971.....	0.8363	EA	10
KP3972.....	0.7876	EA	10
KP3973.....	1.0494	EA	5
KP3974.....	1.0494	EA	5
KP3975.....	0.9010	EA	5
KP3976.....	1.5264	EA	5
KP3977.....	1.4310	EA	5
KP3978.....	1.9398	EA	1
KP3979.....	1.9398	EA	1
KP3980.....	2.3744	EA	1
KP3981.....	3.6146	EA	1
KP3982.....	3.4238	EA	1
KP3983.....	1.1872	EA	10
KP3984.....	1.1554	EA	10
KP3985.....	1.1554	EA	10
KP3986.....	1.1872	EA	10
KP3987.....	1.1554	EA	5
KP3988.....	1.5688	EA	5
KP3989.....	2.6500	EA	1
KP3990.....	3.2648	EA	1
KP3991.....	5.6710	EA	1
KP3992.....	1.6536	EA	10
KP3993.....	1.4310	EA	10
KP3994.....	1.6112	EA	10
KP3995.....	1.2402	EA	10
KP3996.....	2.0246	EA	5
KP3997.....	2.5016	EA	5
KP3998.....	3.7524	EA	1
KP3999.....	4.5580	EA	1
KP400.....	0.4788	EA	50
KP4000.....	7.8122	EA	1
KP40000-1.....	0.0260	EA	250
KP40000-25.....	0.0364	EA	100
KP40001-1.....	0.0800	EA	100
KP40001-2.....	0.0179	EA	500
KP40002-1.....	0.0815	EA	100
KP40002-2.....	0.0263	EA	500
KP40003-1.....	0.1200	EA	100
KP40003-2.....	0.0383	EA	500
KP40004-2.....	0.0508	EA	250
KP40005-2.....	0.0646	EA	250
KP40007-2.....	0.1135	EA	100
KP4001.....	0.8873	EA	10
KP4002.....	0.8432	EA	10
KP4003.....	0.8432	EA	10
KP4004.....	0.5560	EA	10
KP4005.....	0.6466	EA	5
KP4006.....	1.2402	EA	5
KP4007.....	1.9292	EA	1
KP4008.....	2.5546	EA	1
KP4009.....	4.2506	EA	1
KP4010.....	1.2717	EA	10
KP4011.....	1.1306	EA	10
KP4012.....	1.1258	EA	10
KP4013.....	0.8663	EA	10
KP4014.....	1.2084	EA	5
KP4015.....	1.3992	EA	5
KP4016.....	2.5440	EA	1
KP4017.....	3.0210	EA	1
KP4018.....	4.5156	EA	1
KP4019.....	1.2508	EA	10
KP4020.....	1.1024	EA	10
KP4021.....	1.1024	EA	10
KP4022.....	0.6784	EA	10
KP4023.....	1.1342	EA	5
KP4024.....	1.8550	EA	5
KP4025.....	2.9468	EA	1
KP4026.....	2.9960	EA	1
KP4027.....	6.1162	EA	1
KP405.....	0.5923	EA	25
KP408.....	0.4185	EA	50
KP4089.....	1.0176	EA	50
KP4091.....	0.8374	EA	48
KP41001-2.....	0.0179	EA	500
KP41002-1.....	0.0665	EA	100
KP41002-2.....	0.0263	EA	500
KP41003-1.....	0.0978	EA	100
KP41003-2.....	0.0383	EA	500
KP41013.....	0.6478	EA	25
KP4103.....	31.4608	EA	1
KP4104.....	35.9658	EA	1
KP4112.....	0.2362	EA	25
KP4115.....	0.6690	EA	10
KP4118.....	0.7476	EA	25
KP4119.....	1.0021	EA	10
KP4120.....	0.7878	EA	10
KP4121.....	0.6936	EA	10
KP4125.....	0.1040	EA	25
KP4128.....	0.9794	EA	10
KP4134.....	0.2070	EA	25
KP4135.....	0.5975	EA	25
KP4136.....	0.2435	EA	25
KP4143.....	0.3757	EA	25
KP4145.....	0.6289	EA	10
KP4146.....	0.7545	EA	10
KP4147.....	0.2988	EA	25
KP4149.....	0.2318	EA	25
KP4156.....	0.4522	EA	10
KP417-1.....	5.3848	EA	1
KP4173.....	0.3660	EA	50
KP4174.....	0.0894	EA	50
KP4175.....	0.3159	EA	50
KP4176.....	3.4768	EA	1
KP418.....	0.3217	EA	50
KP4180.....	0.1914	EA	25
KP419-1.....	5.3848	EA	1
KP4196.....	30.1146	EA	1
KP4198.....	13.8966	EA	1
KP4199.....	13.8966	EA	1
KP4202-1.....	6.6462	EA	1
KP4209.....	0.1454	EA	50
KP4211.....	0.1778	EA	50
KP4214.....	0.3533	EA	25
KP423.....	0.2453	EA	25
KP4238.....	0.0276	EA	250
KP424.....	0.1400	EA	25
KP4240.....	0.0476	EA	250
KP4241.....	9.7520	EA	1
KP4242.....	11.2572	EA	1
KP4243.....	9.7520	EA	1
KP4244.....	8.8616	EA	1
KP4245.....	2.8620	EA	2
KP4246.....	3.4980	EA	2
KP4247.....	1.6960	EA	2
KP4248.....	1.6960	EA	2
KP4249.....	1.9610	EA	2
KP425.....	0.3377	EA	25
KP4250.....	9.9110	EA	2
KP4251.....	9.1584	EA	2
KP4252.....	9.5188	EA	1
KP4253.....	13.0380	EA	2
KP4254.....	14.7870	EA	2
KP4255.....	19.8114	EA	1
KP4256.....	21.9738	EA	1
KP4257.....	12.6458	EA	2
KP4258.....	12.4338	EA	2
KP4259.....	15.5502	EA	2
KP426.....	0.2845	EA	25
KP4260.....	15.9530	EA	1
KP4261.....	21.0092	EA	1
KP4262.....	22.5568	EA	1
KP4263.....	31.1216	EA	1
KP4264.....	14.9778	EA	2
KP4265.....	14.7870	EA	2
KP4266.....	21.2106	EA	1
KP4267.....	31.7046	EA	1
KP4268.....	15.7516	EA	2
KP4269.....	21.2106	EA	1
KP4270.....	21.7512	EA	1
KP4271.....	16.1438	EA	1
KP4272.....	16.9388	EA	1
KP4273.....	18.2638	EA	1
KP4274.....	22.7794	EA	1
KP4275.....	28.1854	EA	1
KP4276.....	35.2132	EA	1
KP4277.....	40.2694	EA	1
KP4278.....	25.8746	EA	1
KP4279.....	22.5568	EA	1
KP4280.....	25.6944	EA	1
KP4281.....	26.4470	EA	1
KP4282.....	29.7436	EA	1
KP4283.....	35.9764	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP4284	48.6328	EA	1
KP4285	32.8600	EA	1
KP4286	30.5386	EA	1
KP4287	39.8772	EA	1
KP4288	60.6744	EA	1
KP4289	32.8600	EA	1
KP4290	31.1216	EA	1
KP4291	37.5240	EA	1
KP4292	39.8772	EA	1
KP4293	44.1490	EA	1
KP4294	64.7766	EA	1
KP4296	31.1216	EA	1
KP4297	37.5240	EA	1
KP4298	39.8772	EA	1
KP4299	60.6744	EA	1
KP4300	64.7766	EA	1
KP4301	2.9786	EA	5
KP4302	2.7030	EA	5
KP4303	3.7524	EA	1
KP4304	6.2010	EA	2
KP4305	1.5582	EA	5
KP4306	1.2508	EA	5
KP4307	1.6006	EA	5
KP4308	2.2578	EA	5
KP4	1.6748	EA	5
KP4310	1.4310	EA	5
KP4311	1.7066	EA	5
KP4312	2.4698	EA	5
KP4313	3.4980	EA	5
KP4314	3.3072	EA	5
KP4315	3.3072	EA	5
KP4317	4.4944	EA	2
KP4318	7.2080	EA	2
KP4319	7.7698	EA	2
KP4320	4.6534	EA	5
KP4321	3.8902	EA	5
KP4322	4.2612	EA	5
KP4323	5.4484	EA	2
KP4324	5.6604	EA	1
KP4325	7.9818	EA	2
KP4326	9.7308	EA	2
KP4327	5.0456	EA	5
KP4328	3.8902	EA	5
KP4329	5.6604	EA	2
KP433	0.6735	EA	10
KP4330	9.1584	EA	2
KP4331	4.6534	EA	5
KP4332	5.6604	EA	2
KP4333	9.3280	EA	2
KP4334	7.2080	EA	2
KP4335	6.4236	EA	2
KP4336	7.0066	EA	2
KP4337	7.7698	EA	2
KP4338	8.9358	EA	2
KP4339	10.8862	EA	1
KP434	0.5948	EA	10
KP4340	11.0770	EA	1
KP4341	7.6108	EA	2
KP4342	7.7698	EA	2
KP4343	10.8862	EA	2
KP4344	10.4940	EA	2
KP4345	10.3774	EA	2
KP4346	15.3806	EA	1
KP4347	16.7162	EA	1
KP4348	11.0770	EA	2
KP4349	11.0770	EA	1
KP435	0.7693	EA	25
KP4350	12.8260	EA	1
KP4351	18.8574	EA	1
KP4352	11.4904	EA	2
KP4353	11.4904	EA	2
KP4354	11.4904	EA	2
KP4355	12.8260	EA	1
KP4356	15.1580	EA	1
KP4358	11.4904	EA	2
KP4359	11.4904	EA	2
KP4361	12.8260	EA	1
KP4362	18.8574	EA	1
KP4363	21.0092	EA	1
KP4365	0.6042	EA	10
KP4366	0.9010	EA	10
KP4367	1.2508	EA	1
KP4368	0.6576	EA	1
KP4369	0.4558	EA	10
KP437	0.1878	EA	50
KP4370	0.5300	EA	10
KP4371	0.8798	EA	10
KP4372	0.5300	EA	10
KP4373	0.4770	EA	10
KP4374	0.6254	EA	10
KP4375	1.0176	EA	10
KP4376	9.9110	EA	2
KP4377	9.1584	EA	2
KP4378	9.5188	EA	2
KP4379	13.0380	EA	2
KP4380	14.7870	EA	2
KP4381	19.8114	EA	1
KP4382	21.9738	EA	1
KP4383	12.6458	EA	2
KP4384	12.4338	EA	2
KP4385	15.5502	EA	2
KP4386	15.9530	EA	1
KP4387	21.0092	EA	1
KP4388	22.5568	EA	1
KP4389	31.1216	EA	1
KP4390	14.9778	EA	2
KP4391	14.7870	EA	1
KP4392	21.2106	EA	1
KP4393	31.7046	EA	1
KP4394	15.7516	EA	2
KP4395	21.2106	EA	1
KP4396	21.7512	EA	1
KP4397	16.1438	EA	1
KP4398	16.9388	EA	1
KP4399	18.2638	EA	1
KP4400	22.7794	EA	1
KP44000	0.0500	EA	100
KP44001-2	0.0526	EA	250
KP44001	0.0526	EA	100
KP44002-2	0.0584	EA	250
KP44002	0.0584	EA	100
KP44003	0.0625	EA	100
KP44004	0.0670	EA	100
KP44005	0.0781	EA	100
KP44006	0.0849	EA	100
KP44007	0.0948	EA	100
KP44008	0.1004	EA	100
KP44009	0.1145	EA	100
KP4401	28.1854	EA	1
KP44010	0.1317	EA	50
KP44012	0.2194	EA	50
KP44014	0.2655	EA	50
KP44015	0.2921	EA	50
KP44016	0.3358	EA	50
KP44017	0.4028	EA	50
KP44019	0.0718	EA	100
KP4402	35.2132	EA	1
KP44020-2	0.0765	EA	250
KP44020	0.0765	EA	100
KP44021-2	0.0847	EA	250
KP44021	0.0847	EA	100
KP44022	0.0933	EA	100
KP44023	0.1035	EA	100
KP44024	0.1156	EA	100
KP44025	0.1268	EA	100
KP44026	0.1327	EA	50
KP44027	0.1424	EA	50
KP44028	0.1500	EA	50
KP44029	0.1836	EA	50
KP4403	40.2694	EA	1
KP44030	0.2105	EA	50
KP44031	0.2320	EA	50
KP44033	0.3045	EA	25
KP44034	0.3768	EA	25
KP44035	0.4127	EA	25
KP44036	0.4747	EA	25
KP44037	0.5221	EA	25
KP44038	0.0976	EA	100
KP44039	0.1045	EA	100
KP4404	25.8746	EA	1
KP44040-2	0.1128	EA	250
KP44040	0.1128	EA	100
KP44041-2	0.1252	EA	250
KP44041	0.1252	EA	100
KP44042	0.1465	EA	100
KP44043	0.1576	EA	50
KP44044-2	0.1779	EA	100
KP44044	0.1779	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP44045.....	0.1836	EA	50
KP44046-2.....	0.1995	EA	100
KP44046.....	0.1995	EA	50
KP44047.....	0.2114	EA	50
KP44048.....	0.2303	EA	50
KP44049.....	0.2555	EA	50
KP4405.....	22.5568	EA	1
KP44050.....	0.2908	EA	50
KP44052.....	0.3833	EA	25
KP44053.....	0.4763	EA	25
KP44054.....	0.5032	EA	25
KP44055.....	0.5994	EA	25
KP44056.....	0.6247	EA	25
KP44057.....	0.1552	EA	50
KP44058-2.....	0.1701	EA	100
KP44058.....	0.1701	EA	50
KP44059-2.....	0.1863	EA	100
KP44059.....	0.1863	EA	50
KP4406.....	25.6944	EA	1
KP44060-2.....	0.2082	EA	100
KP44060.....	0.2082	EA	50
KP44061.....	0.2255	EA	50
KP44062.....	0.2365	EA	50
KP44063.....	0.2536	EA	50
KP44064.....	0.2716	EA	50
KP44065.....	0.2894	EA	50
KP44066.....	0.3124	EA	50
KP44068.....	0.3980	EA	50
KP4407.....	26.4470	EA	1
KP44070.....	0.4482	EA	25
KP44071.....	0.5437	EA	25
KP44072.....	0.5900	EA	25
KP44073.....	0.7686	EA	25
KP44074.....	0.8056	EA	25
KP44075.....	0.2186	EA	50
KP44076-2.....	0.2344	EA	100
KP44076.....	0.2344	EA	50
KP44077-2.....	0.2484	EA	100
KP44077.....	0.2484	EA	50
KP44078.....	0.2687	EA	50
KP44079.....	0.3054	EA	50
KP4408.....	29.7436	EA	1
KP44080-2.....	0.3265	EA	50
KP44080.....	0.3265	EA	25
KP44081.....	0.3463	EA	25
KP44082-2.....	0.3796	EA	50
KP44082.....	0.3796	EA	25
KP44083.....	0.3998	EA	25
KP44084.....	0.4683	EA	25
KP44085.....	0.4917	EA	25
KP44086.....	0.5073	EA	25
KP44088.....	0.5650	EA	25
KP44089.....	0.6243	EA	10
KP4409.....	35.9764	EA	1
KP44090.....	0.6733	EA	10
KP44091.....	0.9182	EA	10
KP44092-1.....	2.1836	EA	5
KP44092-2.....	2.5440	EA	5
KP44092.....	0.9748	EA	10
KP44093.....	0.3873	EA	50
KP44095.....	0.4262	EA	50
KP44096.....	0.4686	EA	25
KP44097.....	0.4925	EA	25
KP44099.....	0.5607	EA	25
KP441.....	8.5966	EA	1
KP4410.....	48.6328	EA	1
KP44101.....	0.6271	EA	25
KP44103.....	0.7096	EA	25
KP44105.....	0.8000	EA	25
KP44106.....	0.8801	EA	10
KP44107.....	0.9468	EA	10
KP4411.....	32.8600	EA	1
KP44110.....	0.4191	EA	50
KP44111.....	0.4332	EA	50
KP44112-2.....	0.4650	EA	50
KP44112.....	0.4650	EA	25
KP44113.....	0.5023	EA	25
KP44114-2.....	0.5607	EA	50
KP44114.....	0.5607	EA	25
KP44115.....	0.5948	EA	25
KP44116.....	0.6331	EA	25
KP44117.....	0.6572	EA	25
KP44118.....	0.6971	EA	25
KP4412.....	30.5386	EA	1
KP44120.....	0.7874	EA	25
KP44122.....	0.8723	EA	25
KP44123.....	0.9379	EA	10
KP44124.....	1.0142	EA	10
KP44125.....	1.0903	EA	10
KP44126-1.....	2.3108	EA	5
KP44126-2.....	2.4910	EA	5
KP44126-3.....	2.9998	EA	5
KP44126-4.....	2.9574	EA	5
KP44126-5.....	4.3248	EA	5
KP44126.....	1.1957	EA	10
KP44129.....	0.7874	EA	25
KP4413.....	39.8772	EA	1
KP44130.....	0.8344	EA	25
KP44131.....	0.9030	EA	25
KP44132.....	0.9508	EA	25
KP44133.....	1.0165	EA	25
KP44134.....	1.0677	EA	25
KP44135.....	1.1231	EA	25
KP44137.....	1.2035	EA	25
KP44139.....	1.3038	EA	25
KP4414.....	60.6744	EA	1
KP44140.....	1.4416	EA	10
KP44141.....	1.4946	EA	10
KP44142.....	1.6536	EA	10
KP44143-1.....	3.4344	EA	5
KP44143-2.....	3.5510	EA	5
KP44143-3.....	4.3354	EA	5
KP44143-4.....	4.2930	EA	5
KP44143-5.....	6.1056	EA	5
KP44143.....	1.7596	EA	10
KP44146.....	1.4098	EA	25
KP44148.....	1.6218	EA	25
KP4415.....	32.8600	EA	1
KP44150.....	1.7490	EA	20
KP44152.....	1.8338	EA	20
KP44154.....	1.9822	EA	15
KP44155.....	2.1836	EA	15
KP44156.....	2.3108	EA	15
KP44157.....	2.4910	EA	15
KP44158-1.....	5.6074	EA	5
KP44158-2.....	6.6568	EA	5
KP44158-3.....	8.9252	EA	5
KP44158.....	2.5970	EA	15
KP4416.....	31.1216	EA	1
KP44160.....	2.0882	EA	10
KP44163.....	2.2684	EA	10
KP44165.....	2.5228	EA	10
KP44167.....	2.6288	EA	10
KP44169.....	2.8726	EA	10
KP4417.....	37.5240	EA	1
KP44170.....	3.0634	EA	10
KP44171.....	3.3178	EA	10
KP44172.....	3.6358	EA	10
KP44173-1.....	7.8652	EA	5
KP44173-2.....	10.1972	EA	5
KP44173-3.....	11.2042	EA	5
KP44173-4.....	10.6424	EA	5
KP44173-5.....	12.2430	EA	2
KP44173-6.....	13.4514	EA	2
KP44173-7.....	14.0662	EA	2
KP44173.....	3.8796	EA	10
KP4418.....	39.8772	EA	1
KP44183.....	4.2400	EA	5
KP44184.....	4.2930	EA	5
KP44185.....	4.9502	EA	5
KP44187.....	7.0596	EA	5
KP44189.....	8.6072	EA	5
KP4419.....	44.1490	EA	1
KP44192.....	5.8512	EA	5
KP44193.....	5.9890	EA	5
KP44194.....	6.1268	EA	5
KP44195.....	7.0808	EA	5
KP44196.....	7.7168	EA	5
KP44198.....	10.3562	EA	5
KP4420.....	64.7766	EA	1
KP44200.....	13.0698	EA	2
KP44202.....	15.6244	EA	2
KP44204.....	18.4758	EA	2
KP44206.....	21.2530	EA	2
KP4421.....	32.8600	EA	1
KP4422.....	31.1216	EA	1
KP4423.....	37.5240	EA	1
KP4424.....	39.8772	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP4425.....	60.6744	EA	1
KP4426.....	64.7766	EA	1
KP4427.....	2.9786	EA	5
KP4428.....	2.7030	EA	5
KP4429.....	3.7524	EA	5
KP4430.....	6.2010	EA	2
KP4431.....	3.2542	EA	5
KP4432.....	2.6818	EA	5
KP4433.....	3.3284	EA	5
KP4434.....	4.7064	EA	2
KP4435.....	3.4980	EA	5
KP4436.....	3.3072	EA	5
KP4437.....	3.3072	EA	5
KP4438.....	4.1022	EA	5
KP4439.....	4.4944	EA	2
KP444.....	3.6358	EA	1
KP4440.....	7.2080	EA	2
KP4441.....	7.7698	EA	2
KP4442.....	4.6534	EA	5
KP4443.....	3.8902	EA	5
KP4444.....	4.2612	EA	5
KP4445.....	5.4484	EA	2
KP4446.....	5.6604	EA	2
KP4447.....	7.9818	EA	2
KP4448.....	9.7308	EA	2
KP4449.....	4.8442	EA	5
KP4450.....	3.8902	EA	5
KP4451.....	5.6604	EA	2
KP4452.....	9.1584	EA	2
KP4453.....	4.6534	EA	5
KP4454.....	5.6604	EA	2
KP4455.....	9.3280	EA	2
KP4456.....	7.2080	EA	2
KP4457.....	6.4236	EA	2
KP4458.....	7.0066	EA	2
KP4459.....	7.7698	EA	2
KP4460.....	8.9358	EA	2
KP4461.....	10.8862	EA	1
KP4462.....	11.0770	EA	1
KP4463.....	7.6108	EA	2
KP4464.....	7.7698	EA	2
KP4465.....	10.8862	EA	2
KP4466.....	10.4940	EA	2
KP4467.....	10.3774	EA	2
KP4468.....	15.3806	EA	1
KP4469.....	16.7162	EA	1
KP4470.....	11.0770	EA	2
KP4471.....	11.0770	EA	2
KP4472.....	12.8260	EA	1
KP4473.....	18.8574	EA	1
KP4474.....	11.4904	EA	2
KP4475.....	11.4904	EA	2
KP4476.....	11.4904	EA	2
KP4477.....	12.8260	EA	1
KP4478.....	15.1580	EA	1
KP4479.....	21.0092	EA	1
KP4480.....	11.4904	EA	2
KP4481.....	11.4904	EA	2
KP4482.....	11.4904	EA	2
KP4483.....	12.8260	EA	1
KP4484.....	18.8574	EA	1
KP4485.....	21.0092	EA	1
KP4486.....	0.7738	EA	10
KP4487.....	0.6042	EA	10
KP4488.....	0.9010	EA	10
KP4489.....	1.2508	EA	5
KP4490.....	1.0176	EA	10
KP4491.....	0.9328	EA	10
KP4492.....	1.1448	EA	10
KP4493.....	1.8868	EA	5
KP45000.....	0.0500	EA	100
KP45001.....	0.0526	EA	100
KP45002.....	0.0584	EA	100
KP45003.....	0.0625	EA	100
KP45004.....	0.0670	EA	100
KP45005.....	0.0781	EA	100
KP45006.....	0.0849	EA	100
KP45008.....	0.1004	EA	100
KP45010.....	0.1317	EA	50
KP45011.....	0.2194	EA	50
KP45012.....	0.2655	EA	50
KP45019.....	0.0718	EA	100
KP45020.....	0.0765	EA	100
KP45021.....	0.0847	EA	100
KP45022.....	0.0933	EA	100
KP45023.....	0.1035	EA	100
KP45024.....	0.1156	EA	100
KP45025.....	0.1268	EA	100
KP45026.....	0.1327	EA	50
KP45027.....	0.1424	EA	50
KP45028.....	0.1500	EA	50
KP45029.....	0.1836	EA	50
KP45030.....	0.2105	EA	50
KP45031.....	0.2320	EA	50
KP45033.....	0.3045	EA	25
KP45038.....	0.0976	EA	100
KP45039.....	0.1045	EA	100
KP45040.....	0.1128	EA	100
KP45041.....	0.1252	EA	100
KP45042.....	0.1465	EA	100
KP45043.....	0.1576	EA	50
KP45044.....	0.1779	EA	50
KP45045.....	0.1836	EA	50
KP45046.....	0.1995	EA	50
KP45047.....	0.2114	EA	50
KP45048.....	0.2303	EA	50
KP45050.....	0.2908	EA	50
KP45052.....	0.3833	EA	25
KP45053.....	0.4763	EA	25
KP45054.....	0.5032	EA	25
KP45057.....	0.1552	EA	50
KP45058.....	0.1701	EA	50
KP45059.....	0.1863	EA	50
KP45060.....	0.2082	EA	50
KP45061.....	0.2255	EA	50
KP45062.....	0.2365	EA	50
KP45063.....	0.2536	EA	50
KP45064.....	0.2716	EA	50
KP45065.....	0.2894	EA	50
KP45066.....	0.3124	EA	50
KP45068.....	0.3980	EA	50
KP45070.....	0.4482	EA	25
KP45071.....	0.5437	EA	25
KP45072.....	0.5900	EA	25
KP45075.....	0.2186	EA	50
KP45076.....	0.2344	EA	50
KP45077.....	0.2484	EA	50
KP45078.....	0.2687	EA	50
KP45079.....	0.3054	EA	50
KP45080.....	0.3265	EA	25
KP45081.....	0.3463	EA	25
KP45082.....	0.3796	EA	25
KP45083.....	0.3998	EA	25
KP45084.....	0.4683	EA	25
KP45086.....	0.5073	EA	25
KP45088.....	0.5650	EA	25
KP45089.....	0.6243	EA	10
KP45090.....	0.6733	EA	10
KP45091.....	0.9204	EA	10
KP45092-1.....	2.2578	EA	5
KP45092.....	0.9748	EA	10
KP45093.....	0.3873	EA	50
KP45094.....	0.4068	EA	50
KP45095.....	0.4262	EA	50
KP45096.....	0.4686	EA	25
KP45097.....	0.4925	EA	25
KP45099.....	0.5607	EA	25
KP45101.....	0.6271	EA	25
KP45103.....	0.7096	EA	25
KP45105.....	0.8000	EA	25
KP45106.....	0.8801	EA	10
KP45107.....	0.9468	EA	10
KP45111.....	0.4332	EA	50
KP45112.....	0.4650	EA	25
KP45113.....	0.5023	EA	25
KP45114.....	0.5607	EA	25
KP45115.....	0.5948	EA	25
KP45116.....	0.6331	EA	25
KP45117.....	0.6572	EA	25
KP45118.....	0.6971	EA	25
KP45120.....	0.7874	EA	25
KP45122.....	0.7832	EA	25
KP45123.....	0.9379	EA	10
KP45124.....	1.0142	EA	10
KP45125.....	1.0903	EA	10
KP45126-1.....	2.4804	EA	5
KP45126-2.....	2.5864	EA	5
KP45126-3.....	2.9998	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP45126-4.....	3.0846	EA	5
KP45126-5.....	4.3248	EA	5
KP45126.....	1.1957	EA	10
KP45129.....	0.7874	EA	25
KP45130.....	0.8344	EA	25
KP45131.....	0.9030	EA	25
KP45132.....	0.9508	EA	25
KP45133.....	1.0165	EA	25
KP45134.....	1.0677	EA	25
KP45135.....	1.1231	EA	25
KP45136.....	1.1631	EA	25
KP45137.....	1.2035	EA	25
KP45139.....	1.3038	EA	25
KP45140.....	1.4416	EA	10
KP45141.....	1.4946	EA	10
KP45142.....	1.6536	EA	10
KP45143-1.....	3.5828	EA	5
KP45143-2.....	3.7736	EA	5
KP45143-3.....	4.3354	EA	5
KP45143-4.....	4.5262	EA	5
KP45143-5.....	6.4342	EA	5
KP45143.....	1.7596	EA	10
KP45146.....	1.4098	EA	25
KP45147.....	1.4946	EA	25
KP45148.....	1.6218	EA	25
KP45150.....	1.7490	EA	20
KP45152.....	1.8338	EA	20
KP45154.....	1.9822	EA	15
KP45155.....	2.1836	EA	15
KP45156.....	2.3108	EA	15
KP45157.....	2.4910	EA	15
KP45158-1.....	5.6074	EA	5
KP45158-2.....	6.6568	EA	5
KP45158-3.....	9.3704	EA	5
KP45158.....	2.5970	EA	15
KP45160.....	2.0882	EA	10
KP45163.....	2.2684	EA	10
KP45165.....	2.5228	EA	10
KP45167.....	2.6288	EA	10
KP45169.....	2.8726	EA	10
KP45170.....	3.0634	EA	10
KP45171.....	3.3178	EA	10
KP45172.....	3.6358	EA	10
KP45173-1.....	7.8652	EA	5
KP45173-2.....	10.6636	EA	5
KP45173-3.....	11.2042	EA	5
KP45173-4.....	11.5540	EA	5
KP45173-6.....	12.8048	EA	2
KP45173-7.....	14.0662	EA	2
KP45173.....	3.8796	EA	10
KP45185.....	4.9502	EA	5
KP454.....	34.6938	EA	1
KP455.....	12.1264	EA	1
KP4553.....	0.2862	EA	5
KP4554.....	1.9610	EA	5
KP4555.....	1.9610	EA	5
KP4556.....	1.9610	EA	5
KP4557.....	1.9610	EA	5
KP4558.....	1.9610	EA	5
KP45584.....	2.3814	EA	10
KP45586.....	5.4378	EA	10
KP4559.....	1.9610	EA	5
KP456.....	12.4762	EA	1
KP4560.....	1.9610	EA	5
KP4561.....	1.9610	EA	5
KP45617.....	9.2220	EA	10
KP4562.....	1.9610	EA	5
KP4563.....	1.9610	EA	5
KP4564.....	1.9610	EA	5
KP45645.....	5.1516	EA	20
KP45647.....	5.9784	EA	10
KP457.....	12.8260	EA	1
KP4574.....	0.8374	EA	5
KP4575.....	0.8374	EA	5
KP4589S.....	7.9510	EA	5
KP4595S.....	7.9510	EA	5
KP4604S.....	6.8299	EA	5
KP4609.....	5.0668	EA	1
KP4610.....	5.0668	EA	1
KP4611.....	5.0668	EA	1
KP4612.....	6.7522	EA	1
KP4613.....	12.3702	EA	1
KP4631.....	7.5896	EA	1
KP4632.....	7.5896	EA	1
KP4633.....	7.5896	EA	1
KP4634.....	7.5896	EA	1
KP4635.....	7.5896	EA	1
KP4637S.....	18.4712	EA	1
KP46395.....	113.5366	EA	1
KP46399.....	417.7884	EA	1
KP46400.....	97.6154	EA	1
KP46401.....	97.6154	EA	1
KP46402.....	112.3600	EA	1
KP46403.....	112.3600	EA	1
KP46404.....	112.3600	EA	1
KP46406.....	112.3600	EA	1
KP46408.....	394.2246	EA	1
KP46409.....	394.2246	EA	1
KP4647.....	20.2460	EA	1
KP4648.....	20.2460	EA	1
KP4649.....	20.2460	EA	1
KP4650.....	20.2460	EA	1
KP4651.....	20.2460	EA	1
KP4652.....	20.2460	EA	1
KP4653.....	20.2460	EA	1
KP4654.....	20.2460	EA	1
KP4655.....	4.4944	EA	10
KP4656.....	4.4944	EA	10
KP4657.....	4.4944	EA	10
KP4658.....	4.4944	EA	10
KP4659.....	1.3462	EA	5
KP46619.....	1.8078	EA	25
KP4662.....	3.9432	EA	2
KP4663.....	3.9432	EA	2
KP4664.....	3.9432	EA	2
KP4665.....	3.9432	EA	2
KP4666.....	3.9432	EA	2
KP4667.....	6.1904	EA	1
KP4668.....	6.1904	EA	1
KP4670.....	6.1904	EA	1
KP46713.....	265.5194	EA	1
KP46714.....	371.3286	EA	1
KP46728.....	149.3434	EA	1
KP46729.....	170.3420	EA	1
KP46745.....	89.6018	EA	1
KP46747.....	117.0982	EA	1
KP46748.....	224.6034	EA	1
KP46749.....	256.1596	EA	1
KP46756.....	215.5722	EA	1
KP46758.....	649.3666	EA	1
KP46760.....	9.7096	EA	2
KP46761.....	11.4904	EA	2
KP46762.....	15.3064	EA	1
KP46763.....	25.1114	EA	1
KP46766.....	16.0802	EA	2
KP46769.....	11.9780	EA	2
KP46770.....	8.1196	EA	2
KP46774.....	13.8648	EA	2
KP46775.....	14.1510	EA	2
KP46776.....	16.8010	EA	1
KP46778.....	15.1368	EA	1
KP46779.....	26.7968	EA	1
KP46780.....	21.8254	EA	1
KP46782.....	56.6040	EA	1
KP46795.....	22.5568	EA	1
KP46813.....	22.0268	EA	1
KP46815.....	44.3504	EA	1
KP46819.....	9.4446	EA	2
KP46820.....	11.0028	EA	2
KP46821.....	12.0204	EA	1
KP46822.....	15.7304	EA	1
KP46823.....	21.2530	EA	1
KP46824.....	10.4410	EA	2
KP46826.....	10.9498	EA	2
KP46827.....	12.0204	EA	1
KP46829.....	16.6102	EA	1
KP46830.....	19.0164	EA	1
KP46832.....	33.2098	EA	1
KP46836.....	7.4094	EA	4
KP46838.....	5.8300	EA	4
KP46839.....	6.4554	EA	2
KP46840.....	5.9148	EA	4
KP46843.....	6.8582	EA	4
KP46844.....	7.0278	EA	4
KP46845.....	7.3670	EA	4
KP46846.....	17.0024	EA	2
KP46847.....	15.7728	EA	2
KP46848.....	16.1862	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP46849.....	16.6632	EA	1
KP46850.....	21.3272	EA	1
KP46851.....	24.6768	EA	1
KP46852.....	30.6446	EA	1
KP46853.....	5.1857	EA	4
KP46865.....	13.4514	EA	1
KP46866.....	7.0596	EA	4
KP46867.....	13.3454	EA	2
KP46868.....	13.2924	EA	2
KP46869.....	12.8260	EA	2
KP46870.....	8.9570	EA	4
KP46871.....	8.6390	EA	4
KP46872.....	8.3740	EA	4
KP46873.....	10.6318	EA	2
KP46874.....	11.4480	EA	2
KP46875.....	14.1934	EA	2
KP46876.....	12.2960	EA	2
KP46877.....	16.6102	EA	2
KP46878.....	47.0640	EA	1
KP46879.....	9.4976	EA	2
KP4688.....	2.7984	EA	5
KP46881.....	9.9746	EA	2
KP46882.....	10.1018	EA	2
KP46883.....	11.3632	EA	2
KP46886.....	18.8044	EA	1
KP46888.....	29.9556	EA	1
KP46890.....	6.0420	EA	4
KP46892.....	6.7098	EA	4
KP46893.....	37.0470	EA	1
KP46894.....	17.5112	EA	1
KP46895.....	21.2106	EA	1
KP46896.....	27.1572	EA	1
KP46897.....	26.3092	EA	1
KP46898.....	35.9340	EA	1
KP46899.....	22.9384	EA	1
KP46900.....	20.0234	EA	1
KP46901.....	18.8574	EA	1
KP46902.....	20.8184	EA	1
KP46903.....	22.1222	EA	1
KP46904.....	27.4328	EA	1
KP46905.....	28.5352	EA	1
KP46906.....	36.8244	EA	1
KP46908.....	4.3672	EA	4
KP46909.....	5.0880	EA	4
KP46910.....	4.6428	EA	4
KP46911.....	4.2718	EA	4
KP46913.....	5.2258	EA	4
KP46914.....	5.4060	EA	2
KP46915.....	10.5894	EA	4
KP46916.....	3.6358	EA	4
KP46917.....	4.0174	EA	4
KP46918.....	5.1728	EA	4
KP46919.....	8.4058	EA	2
KP46920.....	15.6138	EA	2
KP46921.....	3.7630	EA	4
KP46922.....	4.9820	EA	4
KP46923.....	7.6320	EA	4
KP46924.....	11.9886	EA	1
KP46925.....	20.6488	EA	1
KP46926.....	3.6040	EA	4
KP46928.....	184.3022	EA	1
KP46929.....	184.3022	EA	1
KP4693.....	2.3426	EA	10
KP46930.....	184.3022	EA	1
KP4694.....	0.6890	EA	4
KP4698.....	0.9646	EA	4
KP4699.....	0.9646	EA	4
KP4700.....	0.9646	EA	4
KP4701.....	0.9646	EA	4
KP4702.....	2.3426	EA	6
KP4703.....	3.1694	EA	6
KP4704.....	2.6182	EA	5
KP4713.....	8.6390	EA	30
KP4718.....	6.4978	EA	1
KP4719.....	6.4978	EA	1
KP4728.....	24.8676	EA	1
KP4729.....	24.8676	EA	1
KP4730.....	9.2114	EA	1
KP4732.....	11.0558	EA	1
KP4733.....	11.0558	EA	1
KP4734.....	11.0558	EA	1
KP4736.....	11.0558	EA	1
KP4738.....	4.8336	EA	6
KP4739.....	3.4556	EA	6
KP4743.....	54.9186	EA	1
KP4755.....	6.8900	EA	1
KP4756.....	6.8900	EA	1
KP4760.....	1.7278	EA	6
KP4761.....	3.9962	EA	6
KP47671.....	6.2222	EA	2
KP47672.....	8.6920	EA	2
KP47685.....	7.7698	EA	2
KP47687.....	10.4304	EA	2
KP47694.....	8.8616	EA	2
KP47696.....	12.9532	EA	2
KP47714.....	10.5364	EA	2
KP47715.....	14.2146	EA	2
KP47720.....	12.6034	EA	2
KP47721.....	14.5644	EA	2
KP47823.....	0.9858	EA	20
KP47825.....	1.8974	EA	10
KP47826.....	2.6818	EA	5
KP47827.....	5.2576	EA	5
KP48002-2S.....	0.0372	EA	250
KP48006-2S.....	0.1462	EA	50
KP4803.....	1.2508	EA	10
KP4817.....	0.0994	EA	100
KP4820.....	0.1324	EA	1000
KP4821.....	0.1491	EA	100
KP4831.....	0.3851	EA	100
KP4832.....	0.5756	EA	100
KP4833.....	0.6087	EA	100
KP4834.....	0.0828	EA	100
KP4836.....	0.0828	EA	100
KP4840.....	0.0828	EA	100
KP4841.....	0.1366	EA	100
KP4843.....	0.1366	EA	100
KP4846.....	0.1366	EA	100
KP485.....	0.6459	EA	25
KP4856.....	0.4970	EA	25
KP4857.....	0.3313	EA	50
KP486.....	0.6824	EA	25
KP4862.....	0.0667	EA	50
KP4863.....	0.0668	EA	50
KP4864.....	0.1608	EA	50
KP4865.....	0.1617	EA	50
KP4866.....	0.1617	EA	50
KP4868.....	0.1040	EA	50
KP4869.....	0.1223	EA	50
KP487.....	0.6843	EA	25
KP4870.....	223.6070	EA	1
KP4871.....	313.0604	EA	1
KP4872.....	66.2606	EA	1
KP4873.....	0.1491	EA	50
KP4874.....	0.1324	EA	50
KP4876.....	1.4287	EA	10
KP4877.....	0.7660	EA	10
KP4878.....	0.9110	EA	25
KP4880.....	1.0766	EA	25
KP4881.....	1.2422	EA	25
KP4882.....	0.1324	EA	50
KP4884.....	0.0828	EA	100
KP4885.....	0.0828	EA	100
KP4886.....	0.1366	EA	100
KP4887.....	0.1366	EA	100
KP497-1.....	3.6994	EA	1
KP498-1.....	13.3348	EA	1
KP499-2.....	7.8546	EA	12
KP522-2S.....	3.7778	EA	12
KP522S.....	3.4085	EA	6
KP525.....	0.0796	EA	100
KP529.....	0.3932	EA	50
KP530.....	33.5066	EA	1
KP54163.....	0.6928	EA	50
KP549.....	0.3883	EA	50
KP55014.....	0.0737	EA	100
KP55026.....	0.0911	EA	100
KP55028.....	0.1449	EA	100
KP55071.....	0.1423	EA	100
KP55097.....	0.2475	EA	25
KP55098.....	0.2171	EA	25
KP55120.....	14.0874	EA	1
KP55121.....	17.7020	EA	1
KP55267.....	0.7315	EA	10
KP553200.....	0.8036	EA	100
KP555400.....	14.0209	EA	1
KP555401.....	27.7743	EA	1
KP555402.....	0.0445	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP555403.....	0.0593	EA	50
KP555404.....	0.0737	EA	25
KP555405.....	0.0719	EA	25
KP555406.....	0.0887	EA	10
KP555407.....	0.1185	EA	10
KP555604.....	17.5238	EA	1
KP555605.....	21.6683	EA	1
KP555606.....	24.1243	EA	1
KP555663.....	3.8266	EA	2
KP556924.....	5.5109	EA	5
KP556948.....	21.7611	EA	1
KP556952.....	29.5774	EA	1
KP556963.....	7.9704	EA	10
KP557094.....	2.9346	EA	25
KP557128.....	0.9023	EA	50
KP557129.....	0.8343	EA	50
KP557159.....	11.7292	EA	1
KP557261.....	0.5667	EA	100
KP557264.....	0.5358	EA	100
KP558720.....	0.5778	EA	1
KP558730.....	6.2752	EA	1
KP558839.....	0.7856	EA	1
KP558843.....	0.7856	EA	1
KP558865.....	1.0033	EA	100
KP559470.....	0.9564	EA	1
KP56002S.....	0.1034	EA	100
KP56004S.....	0.1286	EA	100
KP56007S.....	0.1688	EA	50
KP560206.....	1.3410	EA	1
KP56020S.....	0.1487	EA	100
KP56021S.....	0.1645	EA	100
KP56038S.....	0.1869	EA	100
KP56039S.....	0.2079	EA	100
KP56040S.....	0.2402	EA	50
KP56041S.....	0.2616	EA	50
KP56046S.....	0.3802	EA	50
KP56058S.....	0.3308	EA	50
KP56087S.....	1.2443	EA	10
KP56088S.....	1.4177	EA	10
KP56096S.....	1.0296	EA	25
KP561.....	0.5975	EA	25
KP56107S.....	0.8768	EA	25
KP56113S.....	1.2214	EA	25
KP56128S.....	1.5770	EA	20
KP56170S.....	5.6525	EA	10
KP56354.....	5.5977	EA	25
KP56385.....	6.9960	EA	10
KP564075.....	1.7737	EA	1
KP57019S.....	0.1321	EA	100
KP57022S.....	0.1817	EA	100
KP57039S.....	0.2079	EA	100
KP57132S.....	1.9866	EA	20
KP58112.....	2.2366	EA	10
KP585.....	10.0700	EA	1
KP586.....	11.9992	EA	1
KP587.....	16.1756	EA	1
KP588.....	18.4652	EA	1
KP589.....	20.7654	EA	1
KP59.....	21.0304	EA	1
KP590.....	25.0902	EA	1
KP591.....	28.7790	EA	1
KP592.....	33.5172	EA	1
KP593.....	38.2130	EA	1
KP60039.....	18.1578	EA	1
KP60064.....	8.4376	EA	1
KP60066.....	0.0188	EA	250
KP60076.....	0.0497	EA	250
KP60092.....	12.2324	EA	1
KP60097.....	11.3208	EA	1
KP6010.....	295.1146	EA	1
KP60102.....	8.6390	EA	1
KP6011.....	147.5838	EA	1
KP60117.....	14.4266	EA	1
KP6012.....	44.2656	EA	1
KP60127.....	14.4266	EA	1
KP6013.....	0.1196	EA	1
KP60141.....	13.8436	EA	1
KP60142.....	18.9634	EA	1
KP60143.....	9.7096	EA	2
KP60144.....	11.1088	EA	2
KP60145.....	14.1828	EA	2
KP60146.....	16.9494	EA	1
KP60147.....	18.5712	EA	1
KP60148.....	10.1124	EA	2
KP60149.....	6.5402	EA	4
KP6015.....	0.1150	EA	25
KP60150.....	9.4552	EA	2
KP60151.....	10.5826	EA	2
KP60162S.....	7.3329	EA	1
KP60193.....	0.3814	EA	50
KP60202.....	18.9740	EA	1
KP60204.....	0.8374	EA	10
KP60211.....	22.4614	EA	1
KP60239.....	13.7753	EA	1
KP60256-2S.....	1.9464	EA	6
KP60257-2S.....	2.1384	EA	6
KP60259-2S.....	2.4192	EA	6
KP60260-2S.....	3.6216	EA	6
KP60261-2S.....	2.8312	EA	6
KP60276.....	60.4306	EA	1
KP60277.....	58.7452	EA	1
KP60278.....	66.1228	EA	1
KP60279.....	71.2744	EA	1
KP60280.....	83.7294	EA	1
KP60281.....	101.5268	EA	1
KP60282.....	113.1868	EA	1
KP60283.....	129.9666	EA	1
KP60295.....	9.2286	EA	1
KP60385.....	0.0820	EA	100
KP60504.....	9.2644	EA	1
KP60508.....	11.5858	EA	1
KP60512.....	12.7412	EA	1
KP60528.....	6.9536	EA	1
KP60529.....	8.1090	EA	1
KP60530.....	8.1090	EA	1
KP60535.....	12.9850	EA	1
KP60550.....	8.7980	EA	1
KP60552.....	0.3599	EA	50
KP60553.....	0.4982	EA	50
KP60554.....	0.5407	EA	50
KP60555.....	0.7420	EA	50
KP6056.....	3.4344	EA	20
KP6058.....	4.7700	EA	15
KP60611.....	0.1697	EA	25
KP60612.....	0.1829	EA	25
KP60613.....	0.1992	EA	25
KP60614.....	0.2059	EA	25
KP60615.....	0.2140	EA	25
KP60616.....	0.2329	EA	25
KP60617.....	0.2414	EA	25
KP60618.....	0.2584	EA	25
KP60619.....	0.2715	EA	25
KP60620.....	0.2936	EA	25
KP60621.....	0.3434	EA	25
KP60622.....	0.3761	EA	25
KP60623.....	0.3827	EA	25
KP60624.....	0.3882	EA	25
KP60625.....	0.4036	EA	25
KP60626.....	0.6212	EA	25
KP60627.....	0.6698	EA	25
KP60628.....	0.6779	EA	25
KP60629.....	0.7856	EA	25
KP60630.....	0.7986	EA	25
KP60631.....	0.7024	EA	25
KP60632.....	0.7546	EA	25
KP60633.....	0.8216	EA	25
KP60634.....	0.9201	EA	25
KP60637.....	14.5750	EA	1
KP60689.....	11.9568	EA	1
KP60698.....	3.2754	EA	10
KP6071.....	26.4470	EA	1
KP60781.....	1.3536	EA	10
KP60811.....	0.3710	EA	50
KP60813.....	0.5228	EA	50
KP60833.....	0.2110	EA	50
KP60834.....	2.0352	EA	1
KP6085-2S.....	2.2901	EA	5
KP60860.....	0.2039	EA	50
KP60890.....	0.0606	EA	100
KP60891.....	0.0712	EA	100
KP60892.....	0.0822	EA	100
KP60894.....	0.2595	EA	25
KP60943.....	8.6390	EA	4
KP6097.....	11.6706	EA	1
KP61001.....	17.4476	EA	1
KP61002.....	21.9012	EA	1
KP61003.....	28.0693	EA	1
KP61004.....	0.0734	EA	250

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP61009.....	0.0743	EA	500
KP61010.....	0.0895	EA	500
KP61011.....	0.1131	EA	250
KP61012.....	0.1316	EA	100
KP61013.....	0.1458	EA	100
KP61015.....	0.2379	EA	100
KP61016.....	0.3382	EA	50
KP61017.....	0.5156	EA	50
KP61018.....	0.8618	EA	25
KP61025.....	4.2824	EA	25
KP61026.....	4.8336	EA	25
KP61027.....	5.4908	EA	10
KP61028.....	6.3918	EA	10
KP61041.....	12.6670	EA	1
KP61098-1S.....	87.7781	RL	1
KP61103.....	32.9236	EA	1
KP61156.....	1.5582	EA	25
KP61157.....	2.1836	EA	25
KP61158.....	2.6924	EA	10
KP61163S.....	35.2188	EA	1
KP61168S.....	45.5350	EA	1
KP61185.....	0.1882	EA	50
KP61201.....	0.1407	EA	50
KP61328.....	0.7899	EA	10
KP61329.....	0.2846	EA	10
KP61330.....	0.8185	EA	10
KP61331.....	1.0301	EA	10
KP61332.....	0.6931	EA	10
KP61333.....	1.4150	EA	10
KP61334.....	0.5884	EA	10
KP61336.....	1.6642	EA	6
KP61337.....	2.6500	EA	4
KP61338.....	6.2646	EA	4
KP61339.....	2.3532	EA	4
KP61365.....	0.0166	EA	100
KP61391.....	0.0995	EA	25
KP61392.....	0.1449	EA	25
KP61393.....	0.2849	EA	25
KP61394.....	0.2548	EA	25
KP61395.....	0.2677	EA	25
KP61397-2S.....	16.0801	EA	6
KP61397.....	11.5116	EA	1
KP61411.....	0.3851	EA	25
KP61414.....	0.2822	EA	25
KP61420.....	0.0752	EA	50
KP61423.....	0.1568	EA	25
KP61425.....	0.2050	EA	25
KP61428.....	0.3547	EA	25
KP61432.....	0.0706	EA	100
KP6144.....	0.8480	EA	10
KP61443.....	0.1676	EA	100
KP61445.....	13.8436	EA	1
KP61446.....	17.4052	EA	1
KP61447.....	14.5114	EA	1
KP61448.....	18.3592	EA	1
KP61491S.....	13.7765	EA	1
KP61492S.....	15.1567	EA	1
KP61513.....	12.4338	EA	1
KP61515.....	18.4228	EA	1
KP61517.....	26.5000	EA	1
KP61518.....	38.8914	EA	1
KP61519.....	61.9994	EA	1
KP61521.....	93.8312	EA	1
KP61522.....	188.8178	EA	1
KP61523.....	8.2631	EA	1
KP61524.....	12.3707	EA	1
KP61525.....	60.4420	EA	1
KP61526.....	9.9110	EA	1
KP61527.....	16.9282	EA	1
KP61528.....	27.1678	EA	1
KP61529.....	29.2348	EA	1
KP61530.....	50.0959	EA	1
KP61655.....	2.6500	EA	4
KP61656.....	2.8196	EA	4
KP61657.....	2.7348	EA	4
KP61658.....	3.2542	EA	4
KP61659.....	4.1658	EA	4
KP61660.....	4.6746	EA	4
KP61661.....	5.9678	EA	2
KP61662.....	7.5790	EA	2
KP61663.....	2.2896	EA	4
KP61664.....	2.7030	EA	4
KP61665.....	3.1800	EA	4
KP61666.....	4.1446	EA	4
KP61667.....	3.2118	EA	4
KP61669.....	3.5510	EA	4
KP61670.....	4.8528	EA	4
KP61672.....	5.6484	EA	4
KP61674.....	9.4540	EA	2
KP61675.....	9.0254	EA	2
KP61676.....	1.4840	EA	4
KP61677.....	2.1412	EA	4
KP61678.....	2.7030	EA	4
KP61679.....	2.5652	EA	4
KP61680.....	3.3920	EA	4
KP61681.....	4.6110	EA	4
KP61682.....	1.7257	EA	4
KP61683.....	3.7206	EA	4
KP61684.....	4.8336	EA	4
KP6168S.....	39.2040	EA	10
KP61705.....	1.0205	EA	10
KP61707-2S.....	2.4742	EA	5
KP61709.....	10.0594	EA	1
KP6171.....	0.4346	EA	10
KP61714.....	13.3454	EA	1
KP61730.....	0.0969	EA	50
KP61734.....	0.1999	EA	100
KP6178.....	0.4346	EA	10
KP6180.....	0.4346	EA	10
KP6182.....	0.3710	EA	10
KP61821.....	4.6216	EA	1
KP61824.....	3.0740	EA	1
KP61825.....	3.0740	EA	1
KP61907.....	0.9885	EA	10
KP61932.....	0.7714	EA	50
KP61943.....	1.6430	EA	1
KP61944.....	1.6430	EA	1
KP61945.....	1.6430	EA	1
KP61946.....	1.7596	EA	1
KP61947.....	1.8020	EA	1
KP61948.....	1.8020	EA	1
KP61949.....	1.8020	EA	1
KP61950.....	1.9610	EA	1
KP61952.....	2.1836	EA	1
KP61953.....	2.4592	EA	1
KP61954.....	2.6818	EA	1
KP61955.....	2.8408	EA	1
KP61956.....	3.0528	EA	1
KP61957.....	4.5898	EA	1
KP61958.....	5.0244	EA	1
KP61959.....	5.7982	EA	1
KP61960.....	6.0208	EA	1
KP61961.....	6.6674	EA	1
KP61962.....	7.5472	EA	1
KP61963.....	8.3210	EA	1
KP61964.....	8.8828	EA	1
KP61965.....	10.1442	EA	1
KP61966.....	10.5152	EA	1
KP61967.....	11.4904	EA	1
KP61968.....	11.7342	EA	1
KP61969.....	13.4514	EA	1
KP61970.....	14.1404	EA	1
KP61972.....	14.7976	EA	1
KP61973.....	14.7976	EA	1
KP61974.....	93.4390	EA	1
KP61975.....	141.2874	EA	1
KP62000-1.....	0.0825	EA	100
KP62044-2.....	0.0905	EA	100
KP6235.....	0.4982	EA	10
KP63035.....	0.6708	EA	50
KP64046S.....	6.0926	EA	10
KP64047S.....	6.0926	EA	10
KP64076S.....	3.9528	EA	1
KP64103.....	12.6776	EA	4
KP64104.....	6.0632	EA	4
KP64111.....	22.9808	EA	4
KP64113.....	10.8650	EA	4
KP64114.....	5.0774	EA	4
KP64115.....	18.0836	EA	4
KP64116.....	7.0066	EA	4
KP64117.....	32.5102	EA	4
KP64121.....	7.0384	EA	1
KP64156.....	0.8651	EA	10
KP64170S.....	23.4284	EA	1
KP64546.....	9.5930	EA	2
KP64547.....	9.5930	EA	2
KP64571.....	20.1824	EA	1
KP64583.....	0.2003	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP64601.....	6.0314	EA	1
KP64614.....	17.4796	EA	1
KP64649.....	0.2678	EA	50
KP64650.....	0.3644	EA	50
KP64655.....	0.3227	EA	50
KP64658.....	0.6304	EA	25
KP64706.....	4.7700	EA	1
KP64707.....	4.7700	EA	1
KP64753.....	0.7359	EA	25
KP64754.....	0.9688	EA	25
KP64765.....	5.7876	EA	1
KP64822.....	1.7066	EA	1
KP64823.....	1.7066	EA	1
KP64824.....	1.7066	EA	1
KP64825.....	1.7066	EA	1
KP64826.....	1.7066	EA	1
KP64827.....	1.7066	EA	1
KP64828.....	1.7066	EA	1
KP64829.....	1.7066	EA	1
KP64830.....	2.0564	EA	1
KP64831.....	2.0564	EA	1
KP64832.....	2.0564	EA	1
KP64833.....	2.0564	EA	1
KP64834.....	2.0564	EA	1
KP64835.....	2.0564	EA	1
KP64836.....	2.0564	EA	1
KP64837.....	2.0564	EA	1
KP64838.....	2.0564	EA	1
KP64839.....	2.0564	EA	1
KP64840.....	2.0564	EA	1
KP64841.....	2.0564	EA	1
KP64898.....	1.0198	EA	50
KP64899.....	1.2917	EA	50
KP64900.....	1.4736	EA	50
KP64901.....	1.5063	EA	50
KP64902.....	1.6936	EA	50
KP64903.....	2.0865	EA	50
KP64904.....	2.3102	EA	50
KP64907.....	2.1180	EA	25
KP64908.....	2.2761	EA	25
KP64909.....	2.3486	EA	25
KP64910.....	2.6830	EA	25
KP64911.....	3.7263	EA	25
KP64912.....	4.1100	EA	25
KP64913.....	4.4260	EA	25
KP64914.....	4.5845	EA	25
KP64918.....	5.2848	EA	25
KP64919.....	5.4552	EA	25
KP64920.....	5.8942	EA	25
KP64921.....	6.0972	EA	25
KP64922.....	6.7072	EA	25
KP65004.....	3.5828	EA	4
KP65006.....	1.1359	EA	4
KP65007.....	2.0564	EA	1
KP65008.....	1.7066	EA	1
KP65009.....	1.3780	EA	1
KP65010.....	1.0388	EA	1
KP65011.....	1.0388	EA	1
KP65012.....	1.0388	EA	1
KP65013.....	1.0388	EA	1
KP65014-2S.....	0.9912	EA	6
KP65014.....	1.3780	EA	1
KP65015.....	1.3780	EA	1
KP65016.....	1.3780	EA	1
KP65017.....	1.3780	EA	1
KP65018.....	1.9822	EA	1
KP65019-2S.....	1.3392	EA	6
KP65019.....	2.0564	EA	1
KP65020.....	2.3956	EA	1
KP65021.....	2.7348	EA	1
KP65022-2S.....	1.6963	EA	6
KP65022.....	2.7348	EA	1
KP65023-2S.....	1.7304	EA	6
KP65023.....	3.0634	EA	1
KP65024-2S.....	1.9046	EA	6
KP65024.....	3.4238	EA	1
KP65025.....	4.1022	EA	1
KP65026.....	4.1022	EA	1
KP65027-2S.....	2.5370	EA	3
KP65027.....	4.4308	EA	1
KP65028-2S.....	2.8272	EA	3
KP65028.....	4.7912	EA	1
KP65029-2S.....	3.0950	EA	3
KP65029.....	5.4696	EA	1
KP65030.....	5.4696	EA	1
KP65031-2S.....	3.6902	EA	3
KP65031.....	6.8370	EA	1
KP65032-2S.....	3.9581	EA	3
KP65032.....	6.8370	EA	1
KP65033-2S.....	4.3152	EA	3
KP65033.....	8.2044	EA	1
KP65034-2S.....	4.6128	EA	3
KP65034.....	8.2044	EA	1
KP65035-2S.....	5.2378	EA	3
KP65035.....	8.2044	EA	1
KP65036-2S.....	5.6544	EA	3
KP65036.....	9.9004	EA	1
KP65037.....	9.9004	EA	1
KP65038-2S.....	6.2198	EA	3
KP65038.....	9.9004	EA	1
KP65042.....	2.3956	EA	1
KP65043.....	2.3956	EA	1
KP65044.....	2.3956	EA	1
KP65045.....	2.3956	EA	1
KP65046.....	2.3956	EA	1
KP65047.....	2.3956	EA	1
KP65048.....	2.0564	EA	1
KP65049.....	2.0564	EA	1
KP65050.....	2.0564	EA	1
KP65051.....	2.0564	EA	1
KP65052.....	2.0564	EA	1
KP65053.....	2.0564	EA	1
KP65054.....	2.0564	EA	1
KP65055.....	2.0564	EA	1
KP65056.....	2.0564	EA	1
KP65057.....	1.7066	EA	1
KP65058.....	1.7066	EA	1
KP65059.....	1.7066	EA	1
KP65060.....	1.7066	EA	1
KP65061.....	1.7066	EA	1
KP65062.....	1.3780	EA	1
KP65063.....	1.3780	EA	1
KP65064.....	1.3780	EA	1
KP65065.....	1.3780	EA	1
KP65066.....	1.3780	EA	1
KP65067.....	1.3780	EA	1
KP65068.....	1.3780	EA	1
KP65069.....	1.3780	EA	1
KP65070.....	1.3780	EA	1
KP65071.....	1.3780	EA	1
KP65072.....	1.0388	EA	1
KP65073.....	1.0388	EA	1
KP65074.....	1.0388	EA	1
KP65075.....	1.0388	EA	1
KP65076.....	1.0388	EA	1
KP65077.....	1.0388	EA	1
KP65078.....	1.0388	EA	1
KP65079.....	1.0388	EA	1
KP65080.....	1.0388	EA	1
KP65081.....	1.0388	EA	1
KP65082.....	1.0388	EA	1
KP65083.....	1.0388	EA	1
KP65084.....	1.0388	EA	1
KP65085.....	1.0388	EA	1
KP65086.....	1.0388	EA	1
KP65087.....	1.0388	EA	1
KP65088.....	1.0388	EA	1
KP65089.....	1.0388	EA	1
KP65090.....	1.0388	EA	1
KP65091.....	1.0388	EA	1
KP65092.....	1.0388	EA	1
KP65093.....	1.0388	EA	1
KP65094.....	1.0388	EA	1
KP65095.....	1.0388	EA	1
KP65096.....	1.0388	EA	1
KP65097.....	1.3780	EA	1
KP65098.....	1.3780	EA	1
KP65099.....	1.3780	EA	1
KP65100.....	1.3780	EA	1
KP65101.....	1.3780	EA	1
KP65102.....	2.7348	EA	1
KP65103.....	2.7348	EA	1
KP65104.....	2.7348	EA	1
KP65105.....	2.7348	EA	1
KP65106.....	2.7348	EA	1
KP65107.....	3.0634	EA	1
KP65108.....	3.0634	EA	1
KP65109.....	3.4238	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP65110	3.4238	EA	1
KP65111	3.4238	EA	1
KP65112	3.4238	EA	1
KP65113	4.1022	EA	1
KP65114	4.1022	EA	1
KP65115	4.1022	EA	1
KP65116	4.4308	EA	1
KP65117	4.4308	EA	1
KP65118	4.7912	EA	1
KP65119	4.7912	EA	1
KP65120	5.4696	EA	1
KP65121	5.4696	EA	1
KP65122	5.4696	EA	1
KP65123	6.8370	EA	1
KP65124	6.8370	EA	1
KP65125	6.8370	EA	1
KP65126	6.8370	EA	1
KP65127	8.2044	EA	1
KP65142S	42.2070	EA	1
KP65216	0.2862	EA	10
KP65222	0.2226	EA	10
KP65224	1.7490	EA	1
KP65228	2.3108	EA	1
KP65230	2.9044	EA	1
KP65372	0.3784	EA	25
KP65377-2S	2.1456	EA	12
KP65377S	2.1456	EA	6
KP65380S	4.9498	EA	6
KP65397	2.9638	EA	5
KP65401	0.5862	EA	50
KP65427	3.9962	EA	2
KP65428	7.1868	EA	2
KP65429	7.5684	EA	2
KP65430	2.1094	EA	4
KP65431	2.7666	EA	4
KP65432	4.0280	EA	2
KP65441	2.1836	EA	4
KP65442	2.4698	EA	4
KP65444	2.9362	EA	2
KP65453	4.3354	EA	4
KP65456	5.9042	EA	4
KP65466	5.4166	EA	4
KP65467	6.0738	EA	4
KP65468	6.4236	EA	4
KP65469	8.0454	EA	4
KP65470	8.2044	EA	4
KP65471	11.3208	EA	2
KP65488	0.4095	EA	25
KP65489	0.4564	EA	25
KP65490	0.5879	EA	25
KP65491	0.7149	EA	25
KP65498	4.0280	EA	1
KP655002-1	13.5044	EA	1
KP65525	13.1758	EA	1
KP65527	13.9496	EA	1
KP65530	0.2158	EA	50
KP65571	10.4940	EA	2
KP65572	16.7374	EA	2
KP65573	26.0442	EA	1
KP65574	38.4356	EA	1
KP65575	54.6536	EA	1
KP65576	20.1612	EA	1
KP65577	23.6698	EA	1
KP65578	28.9062	EA	1
KP65579	13.1016	EA	2
KP65580	19.1648	EA	2
KP65581	18.2214	EA	2
KP65582	35.4040	EA	1
KP65583	46.0146	EA	1
KP65584	78.6308	EA	1
KP65585	28.8638	EA	1
KP65586	40.3436	EA	1
KP65587	61.7874	EA	1
KP65588	30.9838	EA	1
KP65589	44.4246	EA	1
KP65590	62.5930	EA	1
KP65591	17.9034	EA	1
KP65592	21.0304	EA	1
KP65593	25.0902	EA	1
KP65595	35.0330	EA	1
KP65596	45.0500	EA	1
KP65597	81.5882	EA	1
KP65598	22.6098	EA	1
KP65599	25.5036	EA	1
KP65600	29.1924	EA	1
KP65601	33.6020	EA	1
KP65602	42.9724	EA	1
KP65603	58.5756	EA	1
KP65604	90.9586	EA	1
KP65605	21.1152	EA	1
KP65606	27.7932	EA	1
KP65607	30.1994	EA	1
KP65608	46.2266	EA	1
KP65609	42.8346	EA	1
KP65610	53.6042	EA	1
KP65611	94.4460	EA	1
KP65612	13.0673	EA	1
KP65613	13.6740	EA	1
KP65614	15.7728	EA	1
KP65615	29.0016	EA	1
KP65623	3.4768	EA	1
KP65627	6.5190	EA	1
KP65629	8.6920	EA	1
KP65637S	0.7321	EA	10
KP65638	4.2930	EA	5
KP65639	4.2930	EA	5
KP65640	4.2930	EA	5
KP65641	4.2930	EA	5
KP65642	4.2930	EA	5
KP65643	9.1160	EA	1
KP65648	11.7872	EA	1
KP65651	11.7872	EA	1
KP65683	0.6890	EA	10
KP65699	0.2862	EA	10
KP65710	28.2808	EA	1
KP65718	1.2339	EA	10
KP65769	4.3884	EA	4
KP65770	3.7100	EA	4
KP65771	5.7982	EA	4
KP65772	8.7768	EA	2
KP65774	3.4026	EA	4
KP65775	4.3566	EA	4
KP65776	6.6568	EA	4
KP65777	8.1726	EA	2
KP65778	15.4230	EA	2
KP65779	1.1607	EA	4
KP65780	1.5370	EA	4
KP65781	2.1942	EA	4
KP65782	3.3284	EA	2
KP65783	4.7912	EA	2
KP65840	0.3998	EA	25
KP65892	92.6546	EA	1
KP65899	5.8618	EA	1
KP65918	181.4402	EA	1
KP65919	201.3364	EA	1
KP65928	267.9468	EA	1
KP65929	314.6504	EA	1
KP65930	582.5866	EA	1
KP65931	704.3170	EA	1
KP65932	1029.6946	EA	1
KP65959	0.6076	EA	50
KP65968	0.4049	EA	25
KP65975	0.2396	EA	100
KP66020	1.1872	EA	5
KP66021	1.7808	EA	5
KP66022	2.6076	EA	2
KP66037	3.1800	EA	5
KP66041	1.8444	EA	5
KP66047	2.1730	EA	1
KP66056	2.1518	EA	5
KP66057	2.3426	EA	5
KP66061	3.5828	EA	5
KP66062	3.5828	EA	5
KP66077	0.0242	EA	250
KP66078	0.0188	EA	250
KP66079	0.0204	EA	250
KP66080	0.0208	EA	250
KP66081	0.0199	EA	250
KP66082	0.0215	EA	250
KP66083	0.0377	EA	250
KP66085	0.0354	EA	250
KP66089	0.0337	EA	250
KP66090	0.0351	EA	250
KP66091	0.0316	EA	250
KP66092	0.0385	EA	250
KP66094	0.0340	EA	250
KP66095	0.0406	EA	250
KP66097	0.0364	EA	250

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP66099.....	0.0402	EA	250
KP66102.....	0.0527	EA	250
KP66103.....	0.0422	EA	250
KP66104.....	0.0537	EA	250
KP66105.....	0.0732	EA	250
KP66107.....	0.0701	EA	250
KP66108.....	0.0643	EA	250
KP66109.....	0.0514	EA	250
KP66111.....	0.0851	EA	250
KP66112.....	0.0653	EA	250
KP66113.....	0.0787	EA	250
KP66126.....	1.6239	EA	5
KP66127.....	0.1089	EA	100
KP66128.....	0.1197	EA	100
KP66129.....	0.1373	EA	100
KP66130.....	0.2809	EA	50
KP66131.....	0.2920	EA	50
KP66132.....	0.3586	EA	25
KP66133.....	0.4489	EA	25
KP66134.....	0.9495	EA	25
KP66135.....	1.5582	EA	20
KP66136.....	1.8974	EA	10
KP66137-1.....	2.7560	EA	10
KP66137.....	0.0607	EA	100
KP66138-1.....	3.5086	EA	10
KP66141.....	0.1089	EA	100
KP66142.....	0.1197	EA	100
KP66143.....	0.1373	EA	100
KP66144.....	0.2809	EA	50
KP66145.....	0.2920	EA	50
KP66146.....	0.3586	EA	25
KP66147.....	0.4489	EA	25
KP66148.....	0.9495	EA	25
KP66149.....	1.5582	EA	20
KP66150.....	1.8974	EA	10
KP66151-1.....	2.7560	EA	10
KP66151.....	0.0498	EA	100
KP66152-1.....	3.5086	EA	10
KP66155.....	0.0133	EA	250
KP66156.....	0.0147	EA	250
KP66157.....	0.0171	EA	250
KP66158.....	0.0194	EA	250
KP66201.....	5.5120	EA	5
KP66208.....	4.2400	EA	2
KP66209.....	5.2152	EA	1
KP66210.....	9.0948	EA	1
KP66223.....	1.9398	EA	5
KP66226.....	1.9398	EA	5
KP66227.....	2.6606	EA	5
KP66232.....	3.7948	EA	5
KP66243.....	6.1904	EA	1
KP66244.....	6.1904	EA	1
KP66258.....	2.5334	EA	10
KP66259.....	2.5334	EA	10
KP66285.....	11.0346	EA	1
KP66286.....	10.8014	EA	1
KP66302.....	4.8866	EA	1
KP66304.....	11.7342	EA	1
KP66305.....	4.1446	EA	1
KP66307S.....	22.1988	EA	1
KP66312.....	14.5114	EA	1
KP66315.....	7.8864	EA	1
KP66327.....	10.8650	EA	1
KP66328.....	2.4168	EA	10
KP66329.....	2.4168	EA	10
KP66345.....	26.1290	EA	1
KP66355.....	10.7060	EA	1
KP66392.....	2.1730	EA	5
KP66426.....	19.4510	EA	1
KP66447.....	0.3283	EA	20
KP66472.....	0.2947	EA	100
KP66546.....	0.3178	EA	50
KP66547S.....	16.1287	EA	1
KP66551S.....	3.3333	EA	6
KP66552S.....	3.3333	EA	6
KP66553S.....	3.3333	EA	6
KP66554S.....	3.3333	EA	6
KP66555-1.....	4.4944	EA	1
KP66555.....	4.1128	EA	6
KP66556S.....	3.6941	EA	6
KP66557S.....	3.3333	EA	6
KP66560S.....	3.7392	EA	6
KP66565-1.....	3.6040	EA	1
KP66565.....	3.2966	EA	6
KP66585.....	2.2896	EA	3
KP66586.....	1.8020	EA	3
KP66604.....	15.6032	EA	1
KP66615.....	11.1936	EA	2
KP66616.....	12.4338	EA	2
KP66617.....	12.6458	EA	2
KP66618.....	14.1934	EA	2
KP66620.....	18.8362	EA	2
KP66624.....	0.1128	EA	100
KP66625.....	0.1055	EA	100
KP66626.....	0.1086	EA	100
KP66626S.....	0.1361	EA	100
KP66627.....	0.1490	EA	100
KP66627S.....	0.1766	EA	100
KP66628.....	0.1109	EA	100
KP66629.....	0.1153	EA	100
KP66629S.....	0.2315	EA	100
KP66630.....	0.1158	EA	100
KP66630S.....	0.2491	EA	100
KP66631.....	0.1880	EA	100
KP66631S.....	0.2602	EA	100
KP66632.....	0.1000	EA	100
KP66632S.....	0.2980	EA	100
KP66648.....	0.1915	EA	50
KP66649.....	0.1999	EA	50
KP66660.....	8.5118	EA	2
KP66670.....	1.7066	EA	4
KP66676.....	4.5156	EA	4
KP66677.....	6.0314	EA	4
KP66681.....	2.1200	EA	10
KP66682.....	2.6818	EA	10
KP66683S.....	3.6806	EA	10
KP66684.....	2.1942	EA	4
KP66685.....	2.6606	EA	1
KP66686.....	2.4698	EA	1
KP66687.....	2.6076	EA	1
KP66688.....	6.0102	EA	1
KP66689.....	1.4522	EA	1
KP66690.....	1.7278	EA	1
KP66691.....	1.8444	EA	1
KP66692.....	4.5898	EA	1
KP66693.....	1.4522	EA	1
KP66694.....	1.7278	EA	1
KP66695.....	1.8444	EA	1
KP66696.....	4.5898	EA	1
KP66697.....	2.0776	EA	1
KP66698.....	3.3072	EA	1
KP66699.....	2.3108	EA	1
KP66700.....	2.0776	EA	1
KP66701.....	3.3072	EA	1
KP66702.....	2.3108	EA	1
KP66703-2.....	6.3388	EA	8
KP66719.....	0.1031	EA	50
KP66724.....	0.1929	EA	100
KP66725.....	112.4024	EA	1
KP66727.....	56.1694	EA	1
KP66729S.....	145.9523	EA	1
KP66731.....	1.0706	EA	25
KP66733.....	1.0706	EA	25
KP66734.....	1.0706	EA	25
KP66740.....	4.4414	EA	1
KP66741.....	4.4414	EA	1
KP66742.....	7.8122	EA	1
KP66743.....	17.9352	EA	1
KP66746.....	25.8110	EA	1
KP66749.....	1.0706	EA	25
KP66756.....	7.8122	EA	1
KP66759.....	1.0706	EA	10
KP66802.....	0.2564	EA	50
KP66845.....	7.5154	EA	5
KP66855.....	0.2788	EA	10
KP66859.....	2.4804	EA	10
KP66861.....	2.3108	EA	10
KP66863.....	2.4592	EA	10
KP66891.....	4.1446	EA	1
KP66892.....	4.7276	EA	1
KP66901.....	2.1677	EA	6
KP66902.....	3.8210	EA	6
KP66903.....	6.0532	EA	6
KP66904.....	7.3542	EA	6
KP66923S.....	3.8376	EA	6
KP66924-1.....	3.6040	EA	1
KP66924.....	3.3496	EA	6
KP66938S.....	1.5520	EA	6

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP66939S.....	1.9213	EA	6
KP66940S.....	1.9958	EA	6
KP66941S.....	2.3101	EA	6
KP66945.....	4.1340	EA	5
KP66950.....	5.2152	EA	5
KP66951.....	20.8502	EA	1
KP66952S.....	3.8376	EA	6
KP66953.....	37.0682	EA	1
KP66954.....	37.5452	EA	1
KP66955.....	42.3682	EA	1
KP66956.....	54.9928	EA	1
KP67139.....	13.3454	EA	2
KP67141.....	24.5814	EA	1
KP67142.....	34.3546	EA	1
KP67143.....	26.1820	EA	1
KP67144.....	33.4324	EA	1
KP67147.....	27.2738	EA	1
KP67148.....	35.1390	EA	1
KP67149.....	2.0434	EA	4
KP67150.....	1.4965	EA	4
KP67151.....	2.2366	EA	4
KP67152.....	3.0846	EA	4
KP67153.....	4.7276	EA	2
KP67154.....	6.8158	EA	2
KP67165.....	0.2550	EA	50
KP67170.....	0.3628	EA	50
KP67172.....	0.4100	EA	50
KP67176-1.....	0.8276	EA	15
KP67180.....	0.7408	EA	15
KP67250S.....	7.6108	EA	5
KP67254S.....	7.6108	EA	5
KP67259S.....	7.6108	EA	5
KP67260S.....	7.6108	EA	5
KP67261S.....	7.6108	EA	5
KP67262S.....	7.6108	EA	5
KP67263S.....	6.8299	EA	5
KP67264S.....	6.8299	EA	5
KP67267S.....	6.8299	EA	5
KP67268S.....	6.8299	EA	5
KP67269S.....	6.8299	EA	5
KP67274S.....	6.0523	EA	5
KP67275S.....	6.0523	EA	5
KP67277S.....	6.0523	EA	5
KP67333.....	0.9222	EA	10
KP67334.....	0.9752	EA	10
KP67350.....	0.5542	EA	25
KP67382S.....	2.7605	EA	5
KP67392.....	27.4168	EA	1
KP67393.....	32.4928	EA	1
KP67424S.....	6.0523	EA	5
KP67426S.....	6.2500	EA	5
KP67463.....	13.8436	EA	1
KP67464.....	10.1442	EA	1
KP67465S.....	14.1782	EA	1
KP67467S.....	9.0202	EA	1
KP67547S.....	34.0200	EA	10
KP67562.....	0.3816	EA	10
KP676.....	1.5158	EA	15
KP67646S.....	2.8350	EA	10
KP67677.....	34.2486	EA	1
KP67678.....	50.1274	EA	1
KP67679.....	41.4142	EA	1
KP67680.....	1.8338	EA	2
KP67681.....	3.3602	EA	2
KP67682.....	5.7028	EA	2
KP67683.....	2.7454	EA	2
KP67685.....	2.9150	EA	2
KP67686.....	4.5368	EA	2
KP67687.....	8.8298	EA	2
KP67714.....	0.3323	EA	20
KP67764S.....	6.7898	EA	1
KP67766S.....	6.7898	EA	1
KP67774.....	22.5674	EA	1
KP67799S.....	0.5600	EA	25
KP678.....	1.7808	EA	15
KP67844S.....	5.6473	EA	10
KP67847S.....	5.6473	EA	10
KP67853S.....	42.5185	EA	1
KP67886S.....	7.6798	EA	2
KP67933.....	53.2968	EA	1
KP67934.....	56.6676	EA	1
KP67937.....	3.4896	EA	10
KP67950.....	13.2712	EA	1
KP67951-1.....	6.7204	EA	1
KP67951-3.....	0.7271	EA	24
KP67952S.....	5.9410	EA	6
KP67954S.....	7.3159	EA	6
KP67955S.....	4.9595	EA	6
KP67957-2S.....	5.0148	EA	12
KP67957S.....	4.5143	EA	6
KP67969.....	43.6374	EA	1
KP67970.....	58.8003	EA	1
KP67972.....	6.2434	EA	1
KP68.....	0.5581	EA	50
KP680.....	2.5334	EA	10
KP68034S.....	8.4046	EA	5
KP68035S.....	8.4046	EA	5
KP68101.....	1.5794	EA	10
KP68110.....	0.3823	EA	25
KP68123.....	17.3204	EA	1
KP68149.....	0.3187	EA	25
KP68171.....	8.7980	EA	1
KP68189S.....	7.6096	EA	6
KP68190S.....	3.6941	EA	6
KP68192-1.....	3.6040	EA	1
KP68192.....	3.2966	EA	6
KP68196S.....	3.7392	EA	6
KP68262.....	1.3992	EA	10
KP68311.....	1.1727	EA	4
KP68313.....	2.4168	EA	4
KP68320.....	0.1763	EA	10
KP68321.....	0.1940	EA	10
KP68322.....	0.2339	EA	10
KP68323.....	0.2548	EA	10
KP68345.....	3.3814	EA	1
KP68347.....	0.1585	EA	10
KP68348.....	0.1628	EA	10
KP68349.....	0.1837	EA	10
KP68350.....	0.1956	EA	10
KP68351.....	0.2859	EA	10
KP68352.....	0.1912	EA	10
KP68353.....	0.2045	EA	10
KP68354.....	0.2443	EA	10
KP68355.....	0.2652	EA	10
KP68360.....	60.5154	EA	1
KP68409S.....	26.3153	EA	1
KP68412.....	11.6388	EA	1
KP68414S.....	10.9564	EA	1
KP68415S.....	18.5616	EA	1
KP68418S.....	11.2214	EA	1
KP68424.....	3.9962	EA	1
KP68440.....	5.5014	EA	1
KP68441.....	3.1164	EA	1
KP68442.....	3.1164	EA	1
KP68443.....	5.5014	EA	1
KP68445.....	14.2570	EA	1
KP68446.....	14.2888	EA	1
KP68460.....	26.5000	EA	1
KP68462.....	1.6642	EA	12
KP68464.....	29.5952	EA	1
KP68465.....	3.8372	EA	1
KP68469.....	5.1516	EA	2
KP68471.....	5.1622	EA	2
KP68472.....	1.7702	EA	10
KP68473.....	4.4308	EA	1
KP68474.....	4.4308	EA	1
KP68477.....	5.0668	EA	1
KP68478.....	5.0668	EA	1
KP68491-1.....	6.0667	EA	1
KP68492-1.....	7.3000	EA	1
KP68493-1.....	8.8667	EA	1
KP68496-1.....	12.0333	EA	1
KP68504.....	9.7838	EA	5
KP68505.....	13.8436	EA	5
KP68506.....	24.0302	EA	3
KP68539.....	0.1018	EA	100
KP68542.....	0.0776	EA	100
KP68575.....	1.2614	EA	1
KP68581.....	9.3174	EA	1
KP68615.....	9.4870	EA	1
KP68756.....	2.8196	EA	12
KP68778.....	0.1195	EA	50
KP68779.....	0.1260	EA	50
KP68781-2.....	0.1102	EA	100
KP68781.....	0.2053	EA	50
KP68812S.....	43.9150	RL	1
KP68817.....	3.7948	EA	6
KP68820.....	11.5328	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP68823-2S.....	6.6593	EA	12
KP68823S.....	6.0060	EA	6
KP68840.....	110.2400	EA	1
KP68842.....	58.0774	EA	1
KP68843S.....	0.1818	EA	50
KP68856.....	1.6218	EA	10
KP68870.....	5.5014	EA	1
KP68874.....	5.5014	EA	1
KP68903S.....	10.7795	EA	1
KP68906.....	13.9506	EA	1
KP68907.....	21.6436	EA	1
KP68908.....	27.0905	EA	1
KP68909.....	36.4767	EA	1
KP68976.....	0.9222	EA	10
KP68984.....	80.4116	EA	1
KP68998.....	1.3250	EA	10
KP69027.....	2.5440	EA	10
KP69028.....	3.5298	EA	10
KP69029.....	2.3532	EA	10
KP69044.....	3.0528	EA	2
KP69045.....	3.2012	EA	2
KP69059.....	3.6358	EA	5
KP69062.....	3.7524	EA	2
KP69063.....	4.1976	EA	2
KP693.....	1.6642	EA	15
KP69314.....	82.7330	EA	1
KP69315.....	95.0820	EA	1
KP69316.....	104.9506	EA	1
KP69317.....	132.1184	EA	1
KP69318.....	159.9010	EA	1
KP69355.....	20.2566	EA	1
KP69356.....	26.0866	EA	1
KP69357.....	24.8252	EA	1
KP69358.....	27.3586	EA	1
KP6937.....	13.4938	EA	12
KP695.....	1.9186	EA	15
KP69515.....	2.5652	EA	3
KP69520.....	3.4874	EA	3
KP69522.....	6.2010	EA	3
KP69523.....	6.2010	EA	3
KP69612S.....	38.2644	EA	1
KP69658S.....	27.2743	EA	1
KP697.....	2.2260	EA	10
KP69745.....	17.0024	EA	1
KP69792.....	6.7568	EA	10
KP69798-1S.....	4.3610	EA	48
KP69798S.....	4.3610	EA	1
KP69800S.....	17.0934	EA	1
KP69801.....	42.0608	EA	1
KP69905.....	9.0948	EA	1
KP69908.....	10.4304	EA	1
KP69925.....	28.2596	EA	1
KP69927.....	14.2888	EA	1
KP69928.....	16.4300	EA	1
KP69929.....	16.8116	EA	1
KP69931.....	11.9992	EA	1
KP69932.....	13.4514	EA	1
KP69934.....	18.0942	EA	1
KP69970-1.....	4.5686	EA	1
KP69978-1.....	8.3952	EA	1
KP69978.....	7.6532	EA	6
KP69979S.....	10.5042	EA	6
KP69984S.....	3.3333	EA	6
KP69988S.....	5.5678	EA	6
KP69989-1.....	4.2400	EA	1
KP69989.....	3.8584	EA	6
KP69990-1.....	4.2400	EA	1
KP69990.....	3.8584	EA	6
KP69992-1.....	4.2400	EA	1
KP69992.....	3.8584	EA	6
KP69997.....	93.4920	EA	1
KP69998.....	289.3906	EA	1
KP70.....	0.6557	EA	50
KP700.....	14.5114	EA	1
KP70002.....	92.0080	EA	1
KP7004.....	0.6572	EA	30
KP70043.....	0.6985	EA	25
KP7005.....	0.1696	EA	50
KP7006.....	0.5512	EA	25
KP70067.....	0.4270	EA	25
KP70070.....	0.3641	EA	25
KP70075.....	0.1673	EA	25
KP70076.....	0.2563	EA	25
KP70079.....	0.2633	EA	50
KP70082.....	0.1651	EA	25
KP70093.....	0.4859	EA	100
KP701.....	14.5114	EA	1
KP70109-2.....	0.0109	EA	50
KP70110-2.....	0.0298	EA	50
KP70111-2.....	0.0256	EA	50
KP70114-2.....	0.0508	EA	50
KP70115-2.....	0.0846	EA	50
KP70118-2.....	0.0608	EA	50
KP70130.....	0.3385	EA	100
KP70138.....	0.1732	EA	100
KP70139S.....	5.9810	EA	1
KP70159.....	0.1981	EA	50
KP70163.....	1.0388	EA	1
KP70164.....	1.1766	EA	1
KP70165.....	1.3038	EA	1
KP70166.....	1.4522	EA	1
KP70167.....	1.5158	EA	1
KP70168.....	1.5900	EA	1
KP70169.....	1.7490	EA	1
KP70170.....	1.8868	EA	1
KP70171.....	2.0246	EA	1
KP70172.....	2.2154	EA	1
KP70173.....	2.5440	EA	1
KP70174.....	2.9574	EA	1
KP70175.....	3.2542	EA	1
KP70176.....	3.6252	EA	1
KP70177.....	4.0598	EA	1
KP70178.....	4.4308	EA	1
KP70179.....	4.7912	EA	1
KP70180.....	5.1728	EA	1
KP70181.....	5.9042	EA	1
KP70182.....	6.6462	EA	1
KP70183.....	7.3776	EA	1
KP70184.....	8.6920	EA	1
KP70185.....	10.1336	EA	1
KP70186.....	11.5858	EA	1
KP70187.....	14.0238	EA	1
KP70188.....	10.6530	EA	1
KP70193.....	50.0850	EA	1
KP70198.....	281.9812	EA	1
KP70206.....	115.3492	EA	1
KP70219.....	0.1132	EA	10
KP70273.....	4.1658	EA	3
KP70374.....	202.5766	EA	1
KP70378.....	1.1287	EA	25
KP70379.....	1.1287	EA	25
KP70380.....	1.1426	EA	25
KP70382.....	1.6100	EA	15
KP70383.....	1.9398	EA	10
KP70389.....	8.6920	EA	1
KP704.....	10.6636	EA	1
KP70430.....	0.1120	EA	50
KP70433.....	0.3377	EA	25
KP70434.....	0.3425	EA	25
KP70435.....	0.3989	EA	25
KP70436.....	0.5202	EA	25
KP70439.....	0.5430	EA	25
KP70440.....	0.5919	EA	25
KP70441.....	0.5999	EA	25
KP70444.....	0.7245	EA	25
KP70445.....	0.7439	EA	25
KP70446.....	0.7643	EA	25
KP70447.....	0.8833	EA	25
KP7045.....	1.9080	EA	1
KP7046.....	1.9080	EA	1
KP7048.....	2.0246	EA	1
KP7049.....	2.0246	EA	1
KP705.....	12.8896	EA	1
KP7050.....	98.2620	EA	1
KP7051.....	49.1310	EA	1
KP70511.....	3.0104	EA	2
KP70532.....	0.2174	EA	100
KP70533.....	0.2281	EA	100
KP70534.....	0.2586	EA	100
KP70535.....	0.2586	EA	100
KP70536.....	0.4288	EA	50
KP70552.....	0.0820	EA	50
KP70553.....	0.0820	EA	50
KP70560S.....	0.1619	EA	50
KP70596.....	0.0570	EA	250
KP70598.....	0.0290	EA	250
KP70601.....	0.0624	EA	250
KP70602.....	0.0320	EA	250

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP70603.....	0.0340	EA	250
KP70604.....	0.0283	EA	250
KP70605.....	0.0286	EA	250
KP70608.....	0.0875	EA	250
KP70609.....	0.0276	EA	250
KP70610.....	0.0371	EA	250
KP70612.....	0.0442	EA	250
KP70613.....	0.0770	EA	250
KP70614-1.....	0.0660	EA	100
KP70614.....	0.0579	EA	250
KP70615.....	0.0716	EA	250
KP70631.....	1239.2460	EA	1
KP70632.....	172.9390	EA	1
KP70680.....	1.3504	EA	25
KP7071.....	37.1212	EA	1
KP7072.....	38.2130	EA	1
KP7073.....	54.5900	EA	1
KP7074.....	43.6720	EA	1
KP70750S.....	0.1851	EA	50
KP70751S.....	0.1761	EA	50
KP7077-1.....	3.9220	EA	1
KP70793.....	2.6500	EA	2
KP70797.....	0.0360	EA	100
KP708.....	15.9848	EA	1
KP70837.....	9.0312	EA	1
KP70872.....	5.4166	EA	4
KP70873.....	2.8832	EA	4
KP70874.....	3.7948	EA	4
KP70875.....	6.4448	EA	4
KP70876.....	4.4944	EA	4
KP70877.....	8.4694	EA	2
KP70878.....	0.9878	EA	4
KP70879.....	2.7560	EA	4
KP7087S.....	3.0132	EA	2
KP70881.....	1.4522	EA	4
KP70882.....	2.0882	EA	4
KP70883.....	2.0776	EA	4
KP70884.....	2.6076	EA	4
KP70885.....	0.9832	EA	4
KP70886.....	1.2732	EA	4
KP70887.....	1.6112	EA	4
KP70888.....	1.8444	EA	4
KP70889.....	3.4980	EA	4
KP70890.....	5.0774	EA	2
KP70891.....	4.3354	EA	4
KP70892.....	5.8830	EA	4
KP70893.....	5.1304	EA	4
KP70894.....	6.4660	EA	4
KP70895.....	11.3208	EA	2
KP70909.....	0.8904	EA	5
KP7092.....	0.5724	EA	10
KP70922.....	2.1942	EA	4
KP70923.....	2.6818	EA	4
KP70924.....	3.0104	EA	4
KP70925.....	6.6356	EA	2
KP70926.....	4.5050	EA	4
KP70927.....	4.9290	EA	4
KP70928.....	12.4762	EA	2
KP7093.....	1.2932	EA	10
KP70931.....	6.0102	EA	2
KP70933.....	10.3223	EA	1
KP70934.....	4.1639	EA	1
KP70935.....	7.6223	EA	1
KP70937.....	0.6635	EA	4
KP70938.....	0.8825	EA	4
KP70947.....	1.5158	EA	4
KP70948.....	1.8020	EA	4
KP70949.....	2.3532	EA	4
KP7098.....	0.8374	EA	10
KP710.....	16.4618	EA	1
KP7100.....	0.5877	EA	25
KP71002.....	3.9644	EA	5
KP7101.....	0.6364	EA	25
KP71016.....	30.9944	EA	1
KP71018-2S.....	13.0650	EA	6
KP71038S.....	0.6272	EA	25
KP71039S.....	0.6272	EA	25
KP7104.....	196.6936	EA	1
KP71040S.....	0.6272	EA	25
KP71041S.....	0.6334	EA	25
KP71042S.....	0.6334	EA	25
KP71055.....	0.0149	EA	100
KP71056.....	0.0152	EA	100
KP71057.....	0.0194	EA	100
KP71070.....	11.2572	EA	1
KP7109.....	21.0834	EA	1
KP71091.....	0.8298	EA	10
KP71102.....	1.2652	EA	10
KP71138.....	1.8550	EA	10
KP71141.....	3.0210	EA	10
KP71143.....	3.4980	EA	5
KP71144.....	5.0774	EA	5
KP71174.....	4.7700	EA	1
KP71177.....	0.8586	EA	10
KP71186.....	0.1418	EA	50
KP71187.....	0.1489	EA	50
KP7120.....	0.1751	EA	25
KP7123.....	0.1751	EA	25
KP71241.....	0.0462	EA	100
KP71243.....	0.0465	EA	100
KP7126.....	0.6672	EA	10
KP71262.....	2.0352	EA	10
KP71264.....	1.0494	EA	10
KP71266.....	2.8408	EA	10
KP71270.....	3.2118	EA	10
KP71271.....	3.2118	EA	10
KP71272.....	2.4062	EA	10
KP71273.....	2.4062	EA	10
KP71274.....	1.2932	EA	10
KP71275.....	1.2932	EA	10
KP71278.....	0.0215	EA	100
KP7128.....	0.1710	EA	25
KP7129.....	0.5553	EA	10
KP7130.....	0.3336	EA	25
KP7131.....	0.3028	EA	25
KP71331.....	0.2704	EA	25
KP71345.....	2.6288	EA	5
KP71349.....	6.2434	EA	5
KP71358.....	4.4732	EA	10
KP7136-1.....	4.4414	EA	1
KP71375.....	1.3871	EA	5
KP7138-1.....	2.2154	EA	1
KP7139-1.....	2.2154	EA	1
KP71391S.....	30.1158	EA	1
KP71401S.....	0.4302	EA	10
KP7141-1.....	2.2260	EA	1
KP7142-1.....	2.4592	EA	1
KP71422-3.....	0.2396	EA	500
KP71423.....	0.4528	EA	25
KP71424.....	0.4833	EA	25
KP71425.....	0.6041	EA	25
KP7143-1.....	3.3284	EA	1
KP7144-1.....	2.0246	EA	1
KP7145-1.....	17.6384	EA	1
KP71472.....	4.2506	EA	1
KP71473.....	4.2506	EA	1
KP71474.....	4.2506	EA	1
KP71475.....	5.4060	EA	1
KP71476.....	5.5650	EA	1
KP71477.....	5.5650	EA	1
KP71478.....	5.5650	EA	1
KP71479.....	6.0844	EA	1
KP71480.....	6.7734	EA	1
KP71481.....	7.6002	EA	1
KP71482.....	8.2680	EA	1
KP71483.....	8.7874	EA	1
KP71484.....	9.4658	EA	1
KP71485.....	10.8120	EA	1
KP71486.....	11.8614	EA	1
KP71487.....	13.6740	EA	1
KP71488.....	14.2040	EA	1
KP71489.....	15.7092	EA	1
KP71490.....	17.7338	EA	1
KP71491.....	19.5994	EA	1
KP71492.....	19.9704	EA	1
KP71493.....	22.8430	EA	1
KP71494.....	23.6592	EA	1
KP71495.....	25.8534	EA	1
KP71496.....	26.3622	EA	1
KP71497.....	30.2736	EA	1
KP71498.....	31.7788	EA	1
KP71499.....	33.2840	EA	1
KP71500.....	33.2840	EA	1
KP7156.....	2.9204	EA	25
KP71562.....	1.2296	EA	5
KP71563.....	1.2296	EA	5
KP71564.....	1.6218	EA	5
KP71565.....	2.0988	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP71566.....	3.0740	EA	5
KP71567.....	5.6604	EA	1
KP71568.....	9.7520	EA	1
KP71569.....	11.5646	EA	1
KP7157.....	3.1044	EA	25
KP71570.....	16.6526	EA	1
KP71571.....	1.1448	EA	5
KP71572.....	1.4734	EA	5
KP71573.....	1.9398	EA	5
KP71574.....	2.7560	EA	5
KP71575.....	3.3814	EA	5
KP71576.....	4.2188	EA	1
KP71577.....	9.9746	EA	1
KP71578.....	11.0240	EA	1
KP71579.....	15.2110	EA	1
KP7158.....	3.3123	EA	20
KP71580.....	1.5158	EA	5
KP71581.....	2.0458	EA	5
KP71582.....	2.4168	EA	5
KP71583.....	2.8196	EA	5
KP71584.....	3.2330	EA	5
KP71585.....	4.9396	EA	1
KP71586.....	9.7096	EA	1
KP71587.....	12.4338	EA	1
KP71588.....	15.9530	EA	1
KP71589.....	9.6036	EA	2
KP71590.....	9.6036	EA	2
KP71593.....	9.7732	EA	2
KP71594.....	10.6000	EA	2
KP71595.....	13.4514	EA	1
KP71596.....	20.3096	EA	1
KP71597.....	35.1284	EA	1
KP71598.....	39.8560	EA	1
KP71599.....	47.5410	EA	1
KP716.....	0.3226	EA	50
KP7160.....	6.2750	EA	10
KP71604.....	5.8073	EA	1
KP71605.....	5.8106	EA	1
KP71623.....	0.4942	EA	50
KP71624.....	0.0807	EA	50
KP71625.....	51.4736	EA	1
KP71637.....	0.4716	EA	25
KP71638.....	0.8638	EA	10
KP71647.....	0.3308	EA	100
KP71650.....	40.5450	EA	1
KP71666.....	0.7145	EA	50
KP71675.....	1.0127	EA	50
KP7168S.....	22.3887	EA	1
KP7169OS.....	0.1684	EA	50
KP71692.....	1.8020	EA	5
KP71693.....	1.8020	EA	5
KP71694.....	2.1200	EA	5
KP71695.....	3.1058	EA	2
KP71696.....	4.4732	EA	2
KP71697.....	6.6568	EA	1
KP71698.....	10.6000	EA	1
KP71699.....	12.6246	EA	1
KP717.....	0.3385	EA	50
KP71700.....	17.7444	EA	1
KP71701.....	4.2824	EA	2
KP71702.....	4.3884	EA	2
KP71703.....	5.3742	EA	2
KP71704.....	6.3282	EA	2
KP71705.....	8.3740	EA	1
KP71706.....	13.3666	EA	1
KP71707.....	19.9598	EA	1
KP71708.....	22.2176	EA	1
KP71709.....	31.7470	EA	1
KP71710.....	3.2118	EA	2
KP71711.....	3.2118	EA	2
KP71716.....	34.1426	EA	1
KP71717S.....	35.5460	EA	1
KP71718S.....	38.2464	EA	1
KP71722.....	6.4872	EA	5
KP71723.....	0.1975	EA	25
KP71724.....	0.2085	EA	25
KP71726.....	0.2350	EA	25
KP71734.....	0.4664	EA	10
KP71735.....	0.5300	EA	10
KP71736.....	0.7420	EA	10
KP71744.....	0.2002	EA	25
KP71746.....	0.2313	EA	25
KP7174S.....	19.4756	EA	1
KP71753.....	0.4558	EA	10
KP71754.....	0.5936	EA	10
KP71755.....	0.6996	EA	10
KP71756.....	0.8798	EA	10
KP71774.....	3.8902	EA	2
KP71775.....	4.3036	EA	2
KP71776.....	6.2434	EA	2
KP71777.....	7.8440	EA	1
KP71778.....	13.4514	EA	1
KP71779.....	17.9564	EA	1
KP71780.....	22.6628	EA	1
KP718.....	0.3760	EA	50
KP71806.....	16.9070	EA	1
KP71807.....	22.3660	EA	1
KP71808.....	22.1858	EA	1
KP71809.....	41.8594	EA	1
KP71810.....	6.7734	EA	1
KP71811.....	6.0004	EA	1
KP71812.....	9.6036	EA	1
KP71813.....	19.9068	EA	1
KP71814.....	1.4310	EA	1
KP71815.....	2.8196	EA	1
KP71816.....	2.3108	EA	1
KP71817.....	3.7736	EA	1
KP71818.....	1.4310	EA	1
KP71819.....	2.8196	EA	1
KP71820.....	2.3108	EA	1
KP71821.....	3.7736	EA	1
KP71854.....	0.0861	EA	50
KP71855.....	0.1050	EA	50
KP71856.....	0.1408	EA	50
KP71858.....	0.2204	EA	50
KP71860.....	6.0950	EA	2
KP71871.....	17.5536	EA	1
KP71872.....	38.4356	EA	1
KP71873.....	37.3226	EA	1
KP71874.....	38.5204	EA	1
KP71875.....	52.6396	EA	1
KP71876S.....	0.2335	EA	100
KP71884.....	0.3610	EA	50
KP71914-2S.....	0.2363	EA	100
KP71916.....	2.2578	EA	10
KP71918.....	34.6408	EA	1
KP71920.....	1.8974	EA	1
KP71927.....	1.5688	EA	1
KP71928.....	1.5688	EA	1
KP71929.....	4.6746	EA	1
KP71930.....	4.6746	EA	1
KP71931.....	5.4272	EA	2
KP71932.....	6.5296	EA	2
KP71933.....	10.4304	EA	2
KP71934.....	10.8226	EA	2
KP71935.....	15.1474	EA	1
KP71936S.....	4.4298	EA	1
KP71939.....	10.1548	EA	1
KP71940.....	3.8266	EA	2
KP71942S.....	4.6363	EA	6
KP71943S.....	10.1963	EA	1
KP71946.....	3.8266	EA	2
KP71947.....	4.6534	EA	2
KP71948.....	5.1304	EA	2
KP71949.....	6.7204	EA	2
KP71950.....	8.4482	EA	1
KP71951.....	13.2712	EA	1
KP71952.....	15.7940	EA	1
KP71953.....	22.0798	EA	1
KP71954.....	3.9962	EA	2
KP71955.....	3.9962	EA	2
KP71956.....	5.3106	EA	2
KP71957.....	5.5756	EA	2
KP71958.....	8.2362	EA	1
KP71959.....	10.3456	EA	1
KP71960.....	20.5534	EA	1
KP71961.....	24.9736	EA	1
KP71962.....	32.1604	EA	1
KP71963.....	1.8444	EA	2
KP71964.....	2.0988	EA	2
KP71965.....	2.4698	EA	2
KP71966.....	3.6782	EA	2
KP71967.....	5.2576	EA	2
KP71968.....	10.2396	EA	1
KP71969.....	12.1052	EA	1
KP71970.....	17.2144	EA	1
KP71971.....	2.9786	EA	2
KP71972.....	3.3072	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP71973.....	3.9644	EA	2
KP71974.....	5.0774	EA	2
KP71975.....	8.4164	EA	1
KP71976.....	10.9710	EA	1
KP71977.....	14.6598	EA	1
KP71978.....	24.7404	EA	1
KP71979-2S.....	14.6185	EA	12
KP71979S.....	14.6185	EA	1
KP71993.....	2.7030	EA	2
KP71994.....	2.0776	EA	2
KP71995.....	1.3462	EA	2
KP71996.....	5.8406	EA	2
KP72.....	4.4838	EA	20
KP720.....	0.4645	EA	50
KP72003.....	13.8648	EA	1
KP72004.....	25.0160	EA	1
KP72005.....	71.3168	EA	1
KP72016.....	8.9464	EA	1
KP7204-1.....	2.0882	EA	1
KP72049.....	1.1660	EA	24
KP72050.....	0.4770	EA	50
KP72063.....	17.1296	EA	1
KP72072.....	0.6596	EA	10
KP72087.....	1.0239	EA	10
KP72088.....	1.7172	EA	10
KP72089.....	2.3850	EA	10
KP72102.....	9.0630	EA	1
KP72105S.....	53.0064	ST	1
KP72113S.....	0.4554	EA	100
KP72125.....	0.2355	EA	25
KP72126.....	0.3498	EA	25
KP72127.....	0.3059	EA	25
KP72145.....	5.9042	EA	1
KP72146.....	6.4660	EA	1
KP72147.....	6.9748	EA	1
KP72148.....	7.9924	EA	1
KP72149.....	9.3386	EA	1
KP72150.....	12.0840	EA	1
KP722.....	0.7081	EA	25
KP7220.....	0.4948	EA	25
KP72223S.....	0.4203	EA	50
KP72267.....	13.3348	EA	1
KP72273.....	18.4122	EA	1
KP72274.....	34.2274	EA	1
KP72281.....	3.5510	EA	4
KP72282.....	7.6143	EA	2
KP72283.....	12.4683	EA	2
KP72284.....	4.5792	EA	4
KP72285.....	4.2111	EA	2
KP72286.....	6.7969	EA	2
KP72287.....	3.7736	EA	2
KP72288.....	1.3462	EA	4
KP72289.....	4.6640	EA	2
KP72299.....	11.1512	EA	1
KP72300.....	11.5964	EA	1
KP72301.....	12.2430	EA	1
KP72302.....	14.3312	EA	1
KP72303.....	12.0204	EA	1
KP72305.....	16.2286	EA	1
KP72319.....	7.0596	EA	1
KP72325.....	0.2351	EA	25
KP72326.....	0.1900	EA	25
KP72350.....	1.4416	EA	10
KP72351.....	2.8302	EA	10
KP72356.....	2.5440	EA	5
KP72378.....	46.8626	EA	1
KP72379S.....	84.5899	EA	1
KP72382.....	4.0068	EA	2
KP72383.....	5.2470	EA	2
KP72384.....	6.4766	EA	2
KP72392.....	0.4380	EA	25
KP72393.....	0.4091	EA	25
KP72395.....	0.2332	EA	20
KP72396.....	0.6505	EA	20
KP72397.....	0.3180	EA	20
KP72398.....	0.3498	EA	20
KP72399.....	0.3816	EA	20
KP724.....	1.8974	EA	10
KP72455.....	0.4106	EA	25
KP72487S.....	0.6334	EA	25
KP72488S.....	0.6334	EA	25
KP72489-2S.....	11.5279	EA	6
KP72489S.....	15.7075	EA	1
KP725.....	52.1202	EA	1
KP72503.....	5.4802	EA	1
KP72504.....	5.4802	EA	1
KP72505.....	5.4802	EA	1
KP72506.....	8.3528	EA	1
KP72507.....	11.1724	EA	1
KP72508.....	20.9562	EA	1
KP72509.....	26.0866	EA	1
KP72510.....	35.4040	EA	1
KP72511.....	0.1279	EA	100
KP72524.....	0.2542	EA	50
KP72529.....	0.4619	EA	25
KP7253.....	0.1530	EA	25
KP72536.....	0.0943	EA	50
KP72537.....	0.1098	EA	50
KP72538.....	0.1285	EA	50
KP72539.....	0.1507	EA	50
KP72541.....	0.1904	EA	50
KP72542.....	7.9712	EA	1
KP72543.....	7.9712	EA	1
KP72564.....	5.7876	EA	1
KP72581.....	16.3664	EA	1
KP72589-1.....	0.0954	EA	100
KP7271.....	1.9504	EA	2
KP72712S.....	126.8719	RL	1
KP72715.....	10.8014	EA	1
KP72716.....	10.8014	EA	1
KP72717.....	10.8014	EA	1
KP72718.....	10.8014	EA	1
KP72719.....	10.8014	EA	1
KP7272.....	1.9186	EA	2
KP72720.....	10.8014	EA	1
KP72721.....	10.8014	EA	1
KP72722.....	10.8014	EA	1
KP72723.....	10.8014	EA	1
KP72724.....	13.8860	EA	1
KP72725.....	13.8860	EA	1
KP7273.....	2.5016	EA	2
KP7274.....	5.8144	EA	2
KP7276.....	10.5826	EA	2
KP72764.....	0.6620	EA	25
KP72783.....	1.7066	EA	2
KP72784.....	1.7490	EA	2
KP72785.....	1.9610	EA	2
KP72786.....	2.0564	EA	2
KP72787.....	2.2896	EA	2
KP72797.....	0.1747	EA	50
KP72820.....	0.0505	EA	100
KP72872.....	2.3214	EA	5
KP72885.....	0.0920	EA	25
KP72886.....	0.1112	EA	25
KP72887.....	0.1307	EA	25
KP72888.....	0.1608	EA	25
KP72889.....	0.1929	EA	25
KP72890.....	0.2309	EA	25
KP72891.....	0.2650	EA	10
KP72892.....	0.3286	EA	10
KP72893.....	0.3710	EA	10
KP72894.....	0.4452	EA	5
KP72908S.....	3.7375	EA	1
KP72909S.....	3.7375	EA	1
KP72912S.....	4.4784	EA	1
KP72915S.....	3.1007	EA	1
KP72917S.....	17.0820	EA	1
KP72920S.....	6.5189	EA	1
KP72922S.....	5.7024	EA	1
KP72923S.....	13.5983	EA	1
KP72933.....	3.5828	EA	10
KP72956-2.....	94.2870	EA	1
KP72956.....	26.2032	EA	1
KP72957.....	8.0030	EA	6
KP72958.....	8.0030	EA	6
KP72959S.....	33.1045	EA	1
KP72960.....	0.1301	EA	100
KP72961.....	0.1373	EA	100
KP72962.....	0.1508	EA	100
KP72965.....	27.7720	EA	1
KP72966.....	38.4462	EA	1
KP72967.....	47.2230	EA	1
KP72968.....	77.1786	EA	1
KP72969.....	81.0370	EA	1
KP72992.....	3.5404	EA	5
KP72993.....	4.2294	EA	5
KP73021.....	0.2262	EA	50
KP73036.....	4.4308	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP73038.....	6.2646	EA	5
KP73047-1.....	3.4768	EA	1
KP73084.....	3.9432	EA	1
KP73088.....	2.2366	EA	3
KP73093.....	0.2968	EA	10
KP73099.....	1.4310	EA	10
KP73100.....	1.4628	EA	10
KP73102.....	27.0406	EA	1
KP73103.....	0.5691	EA	25
KP73104.....	0.6150	EA	25
KP73105.....	0.7029	EA	25
KP73116.....	0.4977	EA	50
KP7321.....	0.4222	EA	25
KP73221.....	3.9432	EA	1
KP73225.....	11.9462	EA	1
KP73245.....	0.5743	EA	50
KP73248.....	14.6916	EA	1
KP7325.....	0.2811	EA	25
KP73253S.....	7.4939	EA	6
KP73264.....	0.1897	EA	25
KP73279.....	0.9010	EA	10
KP73281.....	0.1512	EA	25
KP73282.....	0.2751	EA	25
KP73286.....	0.1201	EA	25
KP73287.....	0.0650	EA	25
KP73288.....	0.0685	EA	25
KP73289.....	0.2405	EA	25
KP73293.....	0.1759	EA	25
KP73359.....	0.2702	EA	25
KP73360.....	8.2680	EA	1
KP73361.....	8.2680	EA	1
KP73362.....	7.6002	EA	1
KP73363.....	7.6002	EA	1
KP73364.....	7.6002	EA	1
KP73365.....	7.6002	EA	1
KP73366.....	6.7734	EA	1
KP73367.....	6.7734	EA	1
KP73368.....	6.7734	EA	1
KP73369.....	6.7734	EA	1
KP73370.....	6.7734	EA	1
KP73371.....	6.7734	EA	1
KP73372.....	6.0844	EA	1
KP73373.....	6.0844	EA	1
KP73374.....	6.0844	EA	1
KP73375.....	6.0844	EA	1
KP73376.....	6.0844	EA	1
KP73377.....	5.5650	EA	1
KP73378.....	5.5650	EA	1
KP73379.....	5.5650	EA	1
KP73380.....	5.5650	EA	1
KP73381.....	5.5650	EA	1
KP73382.....	5.5650	EA	1
KP73383.....	5.5650	EA	1
KP73384.....	5.5650	EA	1
KP73385.....	5.5650	EA	1
KP73386.....	5.5650	EA	1
KP73387.....	5.5650	EA	1
KP73388.....	5.5650	EA	1
KP73389.....	5.5650	EA	1
KP73390.....	5.4060	EA	1
KP73391.....	5.4060	EA	1
KP73392.....	5.4060	EA	1
KP73393.....	5.4060	EA	1
KP73394.....	5.4060	EA	1
KP73395.....	4.2506	EA	1
KP73396.....	4.2506	EA	1
KP73397.....	4.2506	EA	1
KP73398.....	4.2506	EA	1
KP73399.....	4.2506	EA	1
KP734.....	5.3848	EA	1
KP73400.....	4.2506	EA	1
KP73401.....	4.2506	EA	1
KP73402.....	4.2506	EA	1
KP73403.....	4.2506	EA	1
KP73404.....	4.2506	EA	1
KP7341.....	3.4768	EA	1
KP7342.....	5.2576	EA	1
KP73429.....	24.9948	EA	1
KP7343.....	7.3670	EA	1
KP73434-1.....	3.6040	EA	1
KP73434.....	3.2966	EA	6
KP73438.....	0.1701	EA	500
KP73439.....	0.1701	EA	500
KP7344.....	12.1264	EA	1
KP73440.....	0.1701	EA	500
KP73441.....	0.1860	EA	500
KP73442.....	0.1860	EA	500
KP73446.....	9.1266	EA	1
KP73447.....	13.2924	EA	1
KP73449.....	15.5714	EA	1
KP7345.....	16.8222	EA	1
KP73452.....	4.8972	EA	1
KP73456.....	13.3878	EA	1
KP7346.....	27.2950	EA	1
KP73463.....	3.9538	EA	1
KP73491.....	123.3416	EA	1
KP735.....	4.6110	EA	1
KP73500.....	0.5518	EA	50
KP73508.....	69.1120	EA	1
KP73559S.....	0.1057	EA	100
KP73562.....	0.2790	EA	25
KP73564.....	0.7105	EA	10
KP73566.....	1.0571	EA	10
KP73586.....	6.0526	EA	4
KP73588.....	12.1264	EA	2
KP73589.....	10.9710	EA	2
KP73590.....	16.2180	EA	2
KP73591.....	21.7512	EA	2
KP73593.....	4.3354	EA	4
KP73594.....	2.9574	EA	4
KP73596.....	6.0844	EA	4
KP73598.....	2.7429	EA	4
KP73599.....	3.6571	EA	4
KP73600.....	3.6570	EA	4
KP73601.....	4.8336	EA	4
KP73602.....	8.2540	EA	2
KP73604.....	3.3602	EA	4
KP73605.....	4.1286	EA	4
KP73608.....	9.4254	EA	2
KP73609.....	10.2143	EA	2
KP73611.....	8.9287	EA	2
KP73612.....	10.1254	EA	2
KP73613.....	10.2430	EA	2
KP73614.....	9.2114	EA	2
KP73615.....	10.7716	EA	2
KP73616.....	5.4484	EA	4
KP73617.....	5.6714	EA	4
KP73618.....	5.7770	EA	4
KP73619.....	5.2894	EA	4
KP73621.....	2.6818	EA	3
KP73622.....	3.1482	EA	3
KP7363.....	1.0176	EA	10
KP73654.....	6.3070	EA	1
KP7366.....	4.5050	EA	1
KP73693.....	0.2325	EA	25
KP7370.....	1.2614	EA	1
KP7371.....	4.3884	EA	1
KP7373.....	0.3710	EA	5
KP73730S.....	28.5048	EA	1
KP73732S.....	28.5048	EA	1
KP73744S.....	38.0160	EA	1
KP7375-2.....	0.4876	EA	50
KP7375.....	0.6360	EA	5
KP7376.....	0.4770	EA	25
KP7377.....	0.5512	EA	25
KP7378.....	0.6254	EA	25
KP7379.....	0.0848	EA	5
KP73806.....	2.4062	EA	1
KP73826.....	38.6370	EA	1
KP7384.....	0.0424	EA	50
KP73848.....	0.2852	EA	50
KP7385.....	0.0424	EA	50
KP73852.....	0.4705	EA	25
KP7386-2.....	0.1147	EA	100
KP7386.....	0.1272	EA	25
KP73862.....	0.3374	EA	50
KP73864.....	0.4841	EA	25
KP7388.....	2.2154	EA	1
KP7394.....	0.3114	EA	25
KP73950.....	20.2460	EA	1
KP7396.....	1.0690	EA	25
KP73960S.....	4.5522	EA	1
KP73962S.....	4.8892	EA	1
KP73963S.....	5.1224	EA	1
KP73964S.....	5.5274	EA	1
KP73965S.....	5.1160	EA	1
KP73966S.....	9.4187	EA	1
KP73968S.....	9.4219	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP73969S.....	9.5742	EA	1
KP73970S.....	9.5710	EA	1
KP73971S.....	9.5807	EA	1
KP73972S.....	15.9440	EA	1
KP73973S.....	15.9538	EA	1
KP73975S.....	19.0771	EA	1
KP73976S.....	19.0771	EA	1
KP73977S.....	19.0804	EA	1
KP73978S.....	25.4372	EA	1
KP73979S.....	25.4372	EA	1
KP73980S.....	25.4405	EA	1
KP73981S.....	35.5266	EA	1
KP73982S.....	35.5266	EA	1
KP73984S.....	47.3008	EA	1
KP73985S.....	47.3008	EA	1
KP73986S.....	47.3008	EA	1
KP73996S.....	9.4154	EA	1
KP73998S.....	9.4187	EA	1
KP73999S.....	10.7050	EA	1
KP74.....	3.6252	EA	10
KP74000S.....	10.7082	EA	1
KP74002S.....	15.9505	EA	1
KP74003S.....	15.9473	EA	1
KP74005S.....	19.0771	EA	1
KP74008S.....	25.4372	EA	1
KP7401.....	0.2124	EA	25
KP74010S.....	25.4372	EA	1
KP74011S.....	25.0147	EA	1
KP74012S.....	35.5266	EA	1
KP74013S.....	35.5266	EA	1
KP74014S.....	57.4044	EA	1
KP74019S.....	15.8566	EA	1
KP7402.....	0.1923	EA	25
KP74021S.....	27.4072	EA	1
KP74022S.....	45.7034	EA	1
KP74023S.....	54.6102	EA	1
KP74024S.....	76.3279	EA	1
KP74025S.....	106.5604	EA	1
KP74027S.....	11.3562	EA	1
KP74030S.....	25.7677	EA	1
KP74031S.....	29.1892	EA	1
KP74032S.....	45.7034	EA	1
KP74035S.....	106.5604	EA	1
KP74037S.....	3.4571	EA	1
KP74038S.....	3.4571	EA	1
KP74039S.....	3.4571	EA	1
KP74043S.....	3.5705	EA	1
KP74065S.....	10.5494	EA	1
KP74071S.....	10.5494	EA	1
KP74080S.....	9.6358	EA	1
KP74082S.....	21.7534	EA	1
KP74083S.....	30.8254	EA	1
KP74088S.....	4.5943	EA	1
KP74091S.....	9.6358	EA	1
KP74093S.....	15.9440	EA	1
KP74094S.....	17.5770	EA	1
KP74096S.....	35.1119	EA	1
KP74097S.....	49.1897	EA	1
KP74098S.....	74.4390	EA	1
KP74121.....	10.5244	EA	1
KP74123S.....	5.5955	EA	1
KP74125S.....	11.8357	EA	1
KP74126S.....	17.6839	EA	1
KP74127S.....	20.5578	EA	1
KP74128S.....	27.6566	EA	1
KP74130.....	59.5402	EA	1
KP74245S.....	7.1695	EA	1
KP74246S.....	11.4353	EA	1
KP74247S.....	16.0801	EA	1
KP74279.....	1.8338	EA	10
KP7429.....	2.0882	EA	10
KP74322.....	38.2554	EA	1
KP74323.....	0.1853	EA	25
KP74328.....	1.2225	EA	25
KP7433.....	0.5312	EA	10
KP74333.....	0.2609	EA	25
KP74334.....	0.6762	EA	10
KP74339.....	0.2439	EA	30
KP7434.....	0.6406	EA	10
KP74348.....	4.2400	EA	2
KP7435.....	0.7693	EA	10
KP7436.....	0.8475	EA	10
KP7437.....	0.9482	EA	10
KP7439.....	1.9928	EA	10
KP74401.....	194.0966	EA	1
KP74402.....	56.0740	EA	1
KP74403.....	59.3706	EA	1
KP74412S.....	16.8901	EA	1
KP74413.....	24.9524	EA	1
KP74414S.....	10.3149	EA	1
KP74415S.....	15.9214	EA	1
KP74416S.....	33.6312	EA	1
KP74462.....	0.5549	EA	50
KP74463.....	0.3281	EA	25
KP74464.....	14.3206	EA	2
KP74468.....	0.6623	EA	25
KP74469.....	1078.0200	RL	1
KP74470.....	946.0500	RL	1
KP74471.....	1310.1600	RL	1
KP74472.....	1209.2480	RL	1
KP74473.....	834.7500	RL	1
KP74477.....	17.6702	EA	1
KP74496S.....	1.0292	PR	100
KP74520.....	33.4112	EA	1
KP74524.....	0.0582	EA	100
KP74525.....	0.0220	EA	100
KP74533.....	0.0805	EA	50
KP74536S.....	64.6834	RL	1
KP74562.....	10.8226	EA	2
KP74586S.....	30.7447	EA	1
KP74592S.....	115.3602	EA	1
KP74593S.....	112.3308	EA	1
KP74616S.....	115.9644	EA	1
KP74664S.....	1.1891	EA	10
KP74665S.....	83.8351	EA	1
KP74676.....	5.5226	EA	1
KP74677.....	5.9572	EA	1
KP74699S.....	20.3634	EA	1
KP74705.....	28.6518	EA	1
KP74707.....	65.6776	EA	1
KP74708S.....	30.5467	EA	1
KP74709S.....	25.4567	EA	1
KP74729.....	8.1090	EA	2
KP74730S.....	1.4544	EA	1
KP74731-2S.....	7.5686	EA	10
KP74733.....	8.4376	EA	1
KP74734S.....	3.9949	EA	1
KP74735.....	8.4376	EA	1
KP74736.....	10.5258	EA	1
KP74738.....	0.8999	EA	25
KP74797.....	0.6213	EA	25
KP74884.....	33.3158	EA	1
KP74891.....	9.3704	EA	2
KP74912.....	40.2906	EA	1
KP74917.....	54.6112	EA	1
KP74918.....	100.4350	EA	1
KP74920.....	12.2536	EA	1
KP74921.....	12.2536	EA	1
KP74922.....	16.9812	EA	1
KP74923.....	16.9812	EA	1
KP74926.....	9.7520	EA	1
KP74927.....	9.7520	EA	1
KP74928.....	9.7520	EA	1
KP74929.....	14.7128	EA	1
KP74930.....	23.7864	EA	1
KP74931.....	32.5314	EA	1
KP74932.....	43.5130	EA	1
KP74933.....	52.2474	EA	1
KP74954.....	8.3422	EA	2
KP74958.....	30.4432	EA	1
KP74977.....	3.0422	EA	6
KP74984.....	0.5917	EA	4
KP74985.....	0.6597	EA	4
KP74993.....	3.3920	EA	20
KP75003.....	10.8544	EA	6
KP75039.....	3.0150	EA	15
KP75089.....	0.0232	EA	100
KP75169.....	40.2588	EA	1
KP75170.....	49.1734	EA	1
KP75174S.....	18.7823	EA	1
KP75176-2S.....	4.0755	EA	12
KP75177.....	19.1118	EA	1
KP75178.....	62.5188	EA	1
KP75199S.....	5.3330	EA	6
KP75200.....	33.0190	EA	1
KP75202.....	0.0347	EA	100
KP75217.....	0.1867	EA	100
KP75219.....	0.2156	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP75220.....	0.2508	EA	100
KP75222.....	0.3699	EA	100
KP75226.....	0.2750	EA	100
KP75227.....	0.3411	EA	100
KP75228.....	0.4565	EA	100
KP75229.....	0.5907	EA	50
KP75230.....	0.6652	EA	50
KP75234.....	0.2751	EA	100
KP75235.....	0.3357	EA	100
KP75236.....	0.4201	EA	100
KP75237.....	0.4866	EA	100
KP75238.....	0.6370	EA	50
KP75239.....	0.7183	EA	50
KP75240.....	0.0810	EA	50
KP75242.....	0.4719	EA	50
KP75243.....	0.5854	EA	50
KP75246.....	1.0476	EA	50
KP75247.....	1.1772	EA	50
KP75248.....	1.2091	EA	50
KP75250.....	1.5341	EA	50
KP75251.....	1.7702	EA	50
KP75252.....	2.4592	EA	50
KP75270.....	0.3266	EA	50
KP75314.....	0.0239	EA	100
KP75326.....	0.0350	EA	100
KP75327.....	0.0458	EA	100
KP75334.....	0.0862	EA	50
KP75346.....	28.8108	EA	1
KP75348.....	33.3476	EA	1
KP75365.....	3.9114	EA	1
KP75373.....	17.5854	EA	3
KP75374.....	24.9842	EA	3
KP75375.....	42.0502	EA	3
KP75376.....	74.9959	EA	1
KP75383.....	9.0312	EA	4
KP75384.....	9.6036	EA	4
KP75385.....	6.0484	EA	4
KP75411.....	27.5282	EA	1
KP75418.....	113.4836	EA	1
KP75421.....	0.1399	EA	50
KP75422.....	0.1186	EA	50
KP75423.....	0.1021	EA	50
KP75424.....	0.1048	EA	50
KP75425.....	0.1118	EA	50
KP75426.....	0.1584	EA	25
KP75427.....	0.2209	EA	25
KP75434.....	1.4734	EA	5
KP75435.....	1.7596	EA	2
KP75436.....	2.2896	EA	2
KP75437.....	2.5334	EA	2
KP75465.....	3.2012	EA	6
KP75466.....	3.3178	EA	6
KP75467.....	4.2718	EA	6
KP75468.....	5.8618	EA	6
KP75469.....	6.9218	EA	6
KP75470.....	7.1974	EA	6
KP75483.....	149.3116	EA	1
KP75484.....	187.1006	EA	1
KP75485.....	225.9178	EA	1
KP75552.....	0.5553	EA	50
KP75568-1.....	4.9502	EA	1
KP75570.....	7.3287	EA	2
KP75571.....	5.4716	EA	2
KP75597.....	1.0330	EA	5
KP75598.....	1.0330	EA	5
KP75599.....	1.1049	EA	5
KP75600.....	1.1049	EA	5
KP75612-1.....	20.2036	EA	1
KP75614.....	128.9596	EA	1
KP75615.....	43.2162	EA	1
KP75616.....	57.7382	EA	1
KP75618.....	3.3920	EA	1
KP75684.....	15.7622	EA	1
KP75685.....	27.8144	EA	1
KP75691.....	12.4444	EA	1
KP75692.....	8.1302	EA	1
KP75704S.....	8.0196	EA	6
KP75707S.....	5.8608	EA	1
KP75712-1S.....	20.0870	EA	1
KP75713.....	3.7630	EA	1
KP75728.....	3.9962	EA	1
KP75730.....	9.0524	EA	1
KP75736.....	68.8046	EA	1
KP75737S.....	28.6027	EA	1
KP75739.....	75.8218	EA	1
KP75776S.....	6.4022	EA	1
KP75783.....	67.1086	EA	1
KP75784.....	88.8174	EA	1
KP75785.....	117.2148	EA	1
KP75787.....	20.6700	EA	1
KP75788.....	19.5570	EA	1
KP75789.....	18.7090	EA	1
KP75791.....	1.9186	EA	50
KP75792.....	2.2260	EA	50
KP75807.....	0.1123	EA	50
KP75810.....	10.4516	EA	1
KP75844S.....	69.9911	EA	1
KP75848S.....	5.5274	EA	6
KP75852.....	0.3417	EA	25
KP75853S.....	26.7735	EA	1
KP75854S.....	26.7735	EA	1
KP75856.....	15.0732	EA	1
KP75886.....	31.6940	EA	1
KP75889S.....	49.5006	EA	1
KP75896.....	2.5652	EA	4
KP75899S.....	55.0696	EA	1
KP75916.....	4.7700	EA	1
KP75917.....	4.7700	EA	1
KP75934.....	36.2308	EA	1
KP75935.....	36.2308	EA	1
KP75954.....	5.1728	EA	1
KP75955.....	8.6496	EA	1
KP75956.....	18.2108	EA	1
KP75962.....	0.4041	EA	10
KP75963.....	0.3857	EA	10
KP75970.....	0.1697	EA	25
KP76022.....	0.0240	EA	100
KP76035.....	0.0240	EA	100
KP76063.....	0.1052	EA	50
KP76064.....	0.1190	EA	50
KP76074.....	0.0248	EA	100
KP76092.....	0.0505	EA	50
KP76107.....	1.9398	EA	50
KP76109.....	9.6248	EA	1
KP76127.....	0.0887	EA	25
KP76128.....	0.1361	EA	25
KP76129.....	0.2508	EA	25
KP76130.....	0.5510	EA	25
KP76131.....	0.9084	EA	10
KP76132.....	1.4310	EA	10
KP7613S.....	36.8874	EA	1
KP76140.....	16.1862	EA	1
KP76141.....	25.3234	EA	1
KP76142-1.....	5.9042	EA	1
KP76142S.....	4.6753	EA	6
KP76148S.....	3.7105	EA	1
KP76183S.....	0.2691	EA	50
KP76184S.....	0.5103	EA	25
KP76185S.....	0.5260	EA	25
KP76187S.....	0.8522	EA	10
KP76188S.....	1.1090	EA	10
KP7618S.....	36.8874	EA	1
KP76194.....	0.1612	EA	25
KP76219.....	36.6442	EA	1
KP76220.....	53.3922	EA	1
KP76221.....	47.3502	EA	1
KP76222.....	69.9176	EA	1
KP76223.....	6.5402	EA	2
KP76225.....	9.7944	EA	2
KP76234.....	0.0093	EA	250
KP76273.....	21.3272	EA	1
KP76274.....	24.4118	EA	1
KP76275.....	15.5290	EA	1
KP76294.....	1.0812	EA	10
KP76313.....	4.3884	EA	4
KP76314.....	7.3458	EA	2
KP76316.....	7.4200	EA	2
KP76342.....	0.1716	EA	100
KP76344.....	0.0275	EA	100
KP76345.....	0.0316	EA	100
KP76346.....	0.0427	EA	100
KP76347.....	0.0547	EA	100
KP76348.....	0.1035	EA	100
KP76349.....	0.1863	EA	100
KP76350.....	0.0376	EA	100
KP76351.....	0.1645	EA	100
KP76352.....	0.0063	EA	100
KP76353.....	0.1878	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP76354.....	0.3415	EA	100
KP76370.....	122.4088	EA	1
KP76371.....	122.4088	EA	1
KP76372.....	122.4088	EA	1
KP76373.....	122.4088	EA	1
KP76374.....	122.4088	EA	1
KP76375.....	122.4088	EA	1
KP76376.....	122.4088	EA	1
KP76384.....	61.6178	EA	1
KP76385.....	61.6178	EA	1
KP76386.....	61.6178	EA	1
KP76387.....	61.6178	EA	1
KP76388.....	61.6178	EA	1
KP76389.....	61.6178	EA	1
KP76390.....	61.6178	EA	1
KP76396.....	7.8122	EA	1
KP76410.....	8.1302	EA	4
KP76412.....	73.7442	EA	1
KP76418S.....	3.7392	EA	6
KP76428.....	16.4936	EA	1
KP76434.....	2.3320	EA	10
KP76438.....	80.8674	EA	1
KP76439.....	80.8674	EA	1
KP76440.....	80.8674	EA	1
KP76441.....	18.0306	EA	1
KP76448.....	0.2721	EA	100
KP76449.....	0.0208	EA	100
KP76450.....	0.0235	EA	100
KP76451.....	0.0255	EA	100
KP76452.....	0.0268	EA	100
KP76456.....	2.2366	EA	4
KP76457.....	3.2966	EA	4
KP76459.....	0.1578	EA	100
KP76461.....	0.1655	EA	50
KP76465.....	23.5108	EA	1
KP76466.....	23.5108	EA	1
KP76470.....	8.1408	EA	1
KP76471.....	8.1408	EA	1
KP76472.....	8.1408	EA	1
KP76473.....	8.1408	EA	1
KP76474.....	8.1408	EA	1
KP76475.....	8.1408	EA	1
KP76481.....	1.1130	EA	5
KP76493S.....	13.8283	EA	1
KP76511.....	4.3500	EA	10
KP76512.....	5.9080	EA	10
KP76515.....	9.7838	EA	1
KP76516.....	1.4310	EA	10
KP76517-2S.....	0.9987	EA	25
KP76517S.....	1.3608	EA	10
KP76518S.....	1.2492	EA	10
KP76519S.....	1.4262	EA	10
KP76520S.....	1.6065	EA	10
KP76521S.....	1.6065	EA	10
KP76523.....	5.6498	EA	1
KP76525.....	8.6920	EA	1
KP76530.....	6.3070	EA	1
KP76536.....	17.2462	EA	1
KP76537.....	5.1304	EA	5
KP76538.....	10.0254	EA	2
KP76571.....	0.1282	EA	25
KP76573.....	0.1185	EA	25
KP76579.....	0.2578	EA	25
KP76580.....	0.4875	EA	25
KP76582.....	0.1441	EA	50
KP76590.....	2.3214	EA	5
KP76591.....	2.3214	EA	5
KP76592.....	2.3214	EA	5
KP76593.....	3.7418	EA	5
KP76596.....	0.4862	EA	25
KP76597.....	8.6920	EA	1
KP76598.....	8.6920	EA	1
KP76626.....	43.2162	EA	1
KP76627.....	62.9746	EA	1
KP76628.....	15.4230	EA	1
KP76629.....	21.6028	EA	1
KP76632.....	1.9080	EA	5
KP76635.....	7.7698	EA	1
KP76636.....	138.9978	EA	1
KP76638.....	8.1254	EA	2
KP76643.....	0.0798	EA	25
KP76644.....	0.0784	EA	25
KP76645.....	0.0760	EA	25
KP76646.....	0.0712	EA	25
KP76647.....	0.1026	EA	25
KP76648.....	0.0877	EA	25
KP76650.....	0.2460	EA	25
KP76651.....	0.3396	EA	25
KP76662.....	0.0898	EA	25
KP76663.....	0.1169	EA	25
KP76664.....	0.1732	EA	25
KP76668.....	2.8408	EA	4
KP76669.....	4.0068	EA	2
KP76670.....	3.2012	EA	4
KP76674.....	3.1482	EA	4
KP76675.....	4.0068	EA	2
KP76676.....	3.8478	EA	4
KP76677.....	3.7057	EA	2
KP76679.....	7.7486	EA	2
KP76680.....	7.7486	EA	2
KP76681.....	11.9886	EA	2
KP76682.....	11.9886	EA	2
KP76685.....	7.3776	EA	2
KP76687.....	11.4056	EA	2
KP76693S.....	3.2983	EA	10
KP76694S.....	3.7681	EA	5
KP76699.....	246.6302	EA	1
KP76777S.....	33.1128	EA	1
KP76863.....	0.1567	EA	50
KP76864.....	0.1349	EA	50
KP76865.....	0.1737	EA	50
KP76867.....	0.2934	EA	50
KP76874.....	0.3399	EA	25
KP76910.....	0.1308	EA	100
KP76910S.....	0.2411	EA	100
KP76911S.....	0.3209	EA	100
KP76913.....	0.1520	EA	100
KP76913S.....	0.4210	EA	100
KP76914S.....	0.4753	EA	100
KP76915.....	0.1240	EA	100
KP76916.....	0.1378	EA	100
KP76917.....	0.1554	EA	100
KP76918.....	0.1653	EA	100
KP76919.....	0.1823	EA	100
KP76920.....	0.1980	EA	100
KP76926S.....	26.6971	RL	1
KP76939.....	0.4550	EA	25
KP76941.....	0.4202	EA	25
KP76956.....	6.0738	EA	1
KP76960.....	0.1654	EA	50
KP76961.....	0.1649	EA	50
KP76962.....	0.1695	EA	50
KP76963.....	0.1751	EA	50
KP76964.....	0.1667	EA	50
KP76965.....	0.1887	EA	50
KP76966.....	0.2031	EA	50
KP76967.....	0.1871	EA	50
KP76968.....	0.1910	EA	50
KP76969.....	0.2034	EA	50
KP76970.....	0.1863	EA	50
KP76971.....	0.2096	EA	50
KP76972.....	0.1649	EA	50
KP76973.....	0.1695	EA	50
KP76974.....	0.1751	EA	50
KP76975.....	0.1667	EA	50
KP76976.....	0.1881	EA	50
KP76977.....	0.1924	EA	50
KP76978.....	0.2359	EA	50
KP76979.....	0.1864	EA	50
KP76980.....	0.1931	EA	50
KP76981.....	0.1789	EA	50
KP76982.....	0.2016	EA	50
KP77000S.....	1.2492	EA	10
KP77023.....	0.2101	EA	50
KP77024.....	0.2101	EA	50
KP77030.....	0.1008	EA	50
KP77083S.....	0.6336	EA	25
KP77084S.....	0.6336	EA	25
KP77093S.....	7.7630	PR	12
KP77125.....	0.2472	EA	50
KP77127.....	0.4050	EA	50
KP77137.....	26.6484	EA	1
KP77146S.....	1.8403	EA	10
KP77147S.....	1.8403	EA	10
KP77148S.....	1.8403	EA	10
KP77149-2S.....	1.7535	EA	25
KP77150S.....	1.9706	EA	10
KP77151S.....	1.9706	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP77154.....	4.7806	EA	5
KP77161-2S.....	4.8523	EA	12
KP77161S.....	4.3745	EA	6
KP7724.....	3.9644	EA	1
KP77242.....	17.0872	EA	1
KP77267.....	3.7100	EA	1
KP7727.....	3.9538	EA	1
KP77274.....	12.6458	EA	3
KP77285.....	0.8236	EA	10
KP77290S.....	2.5855	EA	10
KP77299.....	9.7944	EA	3
KP77346.....	13.4408	EA	1
KP77351.....	6.4236	EA	1
KP7736.....	4.3778	EA	1
KP77424.....	0.5436	EA	10
KP77429.....	68.0414	EA	1
KP77430.....	45.9510	EA	1
KP77432-1.....	3.6040	EA	1
KP77432.....	3.2966	EA	6
KP77433-1.....	3.0740	EA	1
KP77433.....	2.7984	EA	6
KP77434.....	82.2666	EA	1
KP77435.....	92.5804	EA	1
KP77436.....	118.2748	EA	1
KP77438S.....	52.9211	RL	1
KP77442-2S.....	7.5686	EA	10
KP7745.....	6.7416	EA	1
KP7746.....	8.3104	EA	1
KP7754.....	8.2468	EA	1
KP7755.....	10.2714	EA	1
KP7764.....	13.7800	EA	1
KP77670.....	0.0190	EA	25
KP77694.....	0.9784	EA	25
KP77699.....	0.2954	EA	25
KP77700.....	0.6198	EA	25
KP77807.....	1.4250	EA	10
KP77809.....	1.5840	EA	10
KP77816.....	2.6864	EA	10
KP77817.....	2.8454	EA	10
KP77818.....	3.0362	EA	10
KP77819.....	3.1634	EA	10
KP77822.....	0.0260	EA	50
KP77824.....	0.0113	EA	100
KP77826.....	0.0112	EA	100
KP77844.....	49.1098	EA	1
KP77871.....	591.1669	EA	1
KP77872.....	101.7791	EA	1
KP77873.....	158.0882	EA	1
KP77874.....	661.4691	EA	1
KP77876.....	118.8141	EA	1
KP77886.....	0.2421	EA	10
KP77888.....	0.2667	EA	10
KP77889.....	0.4816	EA	10
KP77890.....	0.3235	EA	10
KP77891.....	0.6161	EA	10
KP77892.....	0.4161	EA	10
KP77893.....	0.2259	EA	10
KP77894.....	0.2617	EA	10
KP77895.....	0.2348	EA	10
KP77896.....	0.2679	EA	10
KP77897.....	0.2470	EA	10
KP77898.....	0.2295	EA	10
KP77899.....	0.3631	EA	10
KP77900.....	0.4322	EA	10
KP77901.....	0.5433	EA	10
KP77902.....	0.2173	EA	10
KP77903.....	0.3604	EA	10
KP77904.....	1.1051	EA	10
KP77905.....	0.4606	EA	10
KP77917.....	2.1631	EA	10
KP77918.....	1.2594	EA	10
KP77919.....	1.3039	EA	10
KP77925.....	155.5868	EA	1
KP77926.....	176.5748	EA	1
KP77928.....	1.8444	EA	2
KP77931.....	17.1932	EA	1
KP77932.....	19.9280	EA	1
KP77933.....	26.9134	EA	1
KP77940.....	0.0139	EA	100
KP77942.....	0.0159	EA	100
KP77944.....	0.0179	EA	100
KP77945.....	0.0187	EA	100
KP77946.....	0.0180	EA	100
KP77951.....	1.1024	EA	10
KP77952.....	6.6462	EA	5
KP77957.....	0.0718	EA	50
KP77958.....	0.0882	EA	50
KP77959.....	0.1953	EA	25
KP77972.....	0.3853	EA	25
KP77975.....	0.1601	EA	25
KP77978.....	0.1304	EA	25
KP77982.....	49.2052	EA	1
KP77S.....	3.6871	EA	10
KP78001.....	0.0211	EA	100
KP78002.....	0.0249	EA	100
KP78003.....	0.0279	EA	100
KP78004.....	0.0484	EA	50
KP78005.....	0.0597	EA	50
KP78007.....	0.0697	EA	50
KP78008.....	0.0565	EA	50
KP78009.....	0.0750	EA	50
KP78046.....	2723.2142	EA	1
KP78047.....	1312.2800	EA	1
KP78071S.....	0.2787	EA	25
KP78072S.....	0.3000	EA	25
KP78079S.....	0.4063	EA	25
KP78081S.....	0.4501	EA	25
KP78087S.....	0.6149	EA	25
KP78088S.....	0.6872	EA	25
KP78090S.....	0.7723	EA	25
KP78091S.....	0.9364	EA	25
KP78093S.....	1.2378	EA	25
KP78096S.....	1.6947	EA	25
KP78097S.....	1.6435	EA	10
KP78098S.....	1.7766	EA	10
KP78121.....	0.1162	EA	50
KP78173.....	0.2423	EA	25
KP78178.....	0.3744	EA	50
KP78207S.....	52.8285	EA	1
KP78219.....	2.3758	EA	5
KP78220.....	10.9392	EA	5
KP78231.....	4.3884	EA	5
KP78232.....	11.3102	EA	5
KP78277S.....	13.4136	KT	1
KP78300.....	34.9164	EA	1
KP78304-2S.....	4.1926	EA	12
KP78305-2S.....	7.9477	EA	10
KP78316.....	6.6462	EA	1
KP784.....	0.2071	EA	25
KP78422.....	0.5936	EA	10
KP78426.....	1.0070	EA	10
KP78447.....	30.4220	EA	1
KP78448.....	51.6220	EA	1
KP78480.....	44.7002	EA	1
KP78485.....	46.5764	EA	1
KP78486.....	55.8726	EA	1
KP78487.....	6.4660	EA	1
KP78491-2.....	21.0233	EA	10
KP78491.....	17.7656	EA	1
KP78492-2.....	16.4436	EA	10
KP78492.....	13.8754	EA	1
KP78493-2.....	19.7148	EA	10
KP78493.....	22.2176	EA	1
KP78494-2.....	16.3563	EA	10
KP78497S.....	23.7362	EA	1
KP78499.....	0.6327	EA	100
KP78503S.....	33.8701	EA	1
KP78504S.....	51.6846	EA	1
KP78505.....	0.4752	EA	10
KP7851.....	0.1460	EA	250
KP78514.....	2.5652	EA	3
KP78515.....	2.7878	EA	2
KP78518.....	5.9678	EA	1
KP78519.....	6.0208	EA	3
KP7852.....	0.1515	EA	250
KP78520.....	6.3388	EA	2
KP78521.....	7.3352	EA	2
KP78522.....	9.2114	EA	1
KP78523.....	23.6380	EA	1
KP78524.....	7.5790	EA	3
KP78525.....	8.8616	EA	2
KP78526.....	11.6282	EA	2
KP78527.....	14.5432	EA	1
KP78528.....	23.5002	EA	1
KP7855-1.....	0.0466	EA	100
KP7855.....	0.0409	EA	250
KP78558S.....	2.8512	EA	10
KP78559S.....	1.8695	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP7856-1.....	0.0783	EA	100
KP7856.....	0.0687	EA	250
KP78560S.....	2.9516	EA	10
KP7857-1.....	0.0964	EA	100
KP7857.....	0.0846	EA	250
KP78572.....	1.1448	EA	2
KP78573.....	1.1448	EA	2
KP7858.....	0.1171	EA	250
KP7859.....	0.0370	EA	250
KP78599.....	0.1129	EA	50
KP7860.....	0.0475	EA	250
KP78600.....	0.1206	EA	50
KP78601.....	0.1243	EA	50
KP78602.....	0.1303	EA	50
KP78603.....	0.1505	EA	50
KP78604.....	0.2608	EA	50
KP78605.....	0.7357	EA	50
KP78606.....	0.7582	EA	50
KP78607-1.....	5.0880	EA	1
KP78607-3.....	0.4694	EA	24
KP78608S.....	6.0232	EA	6
KP78609S.....	5.4470	EA	6
KP7861.....	0.0700	EA	250
KP7862.....	0.0940	EA	250
KP78620-2S.....	6.6906	EA	12
KP78620S.....	6.0232	EA	6
KP78622S.....	15.2734	EA	1
KP78627S.....	26.4740	EA	1
KP78635.....	0.5120	EA	5
KP78636.....	0.4983	EA	5
KP78638.....	0.7341	EA	5
KP78639.....	0.7910	EA	5
KP78640.....	0.3309	EA	10
KP78645.....	0.3828	EA	10
KP78646.....	0.4047	EA	10
KP7865.....	0.0298	EA	250
KP7866.....	0.0875	EA	250
KP7867.....	0.0551	EA	250
KP78672.....	14.1086	EA	1
KP78673.....	14.1086	EA	1
KP78674.....	30.8460	EA	1
KP78675.....	30.8460	EA	1
KP78676.....	30.8460	EA	1
KP78677.....	53.1696	EA	1
KP78678.....	55.8408	EA	1
KP78679.....	55.8408	EA	1
KP7868.....	0.1371	EA	250
KP78681.....	53.1696	EA	1
KP78682.....	53.1696	EA	1
KP7869-1.....	0.1754	EA	100
KP78708.....	0.2124	EA	25
KP78713.....	7.3988	EA	2
KP78714.....	6.1692	EA	2
KP78715.....	3.7100	EA	2
KP7873-1.....	0.0635	EA	100
KP78730.....	0.7526	EA	10
KP78731.....	1.1130	EA	10
KP78735.....	0.5371	EA	10
KP78738.....	0.6840	EA	10
KP78739.....	1.0747	EA	10
KP7874.....	0.0493	EA	250
KP78740.....	0.9122	EA	10
KP78761.....	0.5311	EA	25
KP78792-6.....	23.2165	EA	1
KP78798.....	32.3406	EA	1
KP788.....	0.0915	EA	25
KP78801.....	8.6920	EA	1
KP78803.....	14.9566	EA	1
KP78804.....	15.9106	EA	1
KP78805.....	20.0022	EA	1
KP78806.....	16.6526	EA	1
KP78819.....	0.0350	EA	100
KP78820.....	0.1330	EA	100
KP78821.....	0.1176	EA	100
KP78822.....	0.1604	EA	100
KP78822S.....	0.3621	EA	100
KP78825.....	27.6660	EA	1
KP78831S.....	5.6489	EA	1
KP78838.....	5.1728	EA	5
KP78839.....	5.2364	EA	5
KP78840.....	5.3106	EA	5
KP78848.....	6.0102	EA	1
KP78849.....	6.0844	EA	1
KP78850.....	6.2222	EA	1
KP78851.....	6.3282	EA	1
KP7889.....	0.0337	EA	250
KP78891.....	15.9954	EA	1
KP78909S.....	6.6582	EA	1
KP7892-1.....	0.1883	EA	100
KP7892.....	0.1650	EA	250
KP78923.....	97.4776	EA	1
KP78925.....	57.9608	EA	1
KP78926.....	4.5651	EA	1
KP78927.....	5.0244	EA	1
KP78932.....	45.7920	EA	1
KP78933.....	13.1334	EA	1
KP78934.....	13.1228	EA	1
KP78935.....	7.7698	EA	1
KP78936.....	0.5131	EA	25
KP78943.....	0.7294	EA	25
KP78944.....	0.1832	EA	50
KP78945.....	0.1338	EA	50
KP78946.....	0.4011	EA	25
KP78947.....	0.0692	EA	50
KP78949.....	0.4117	EA	25
KP7895-1.....	0.0414	EA	100
KP7895.....	0.0364	EA	250
KP78953.....	0.1229	EA	50
KP78958.....	0.1733	EA	50
KP7896-1.....	0.0531	EA	100
KP78964.....	3.9008	EA	5
KP7897-1.....	0.1053	EA	100
KP7897.....	0.0878	EA	250
KP78977.....	4.7912	EA	1
KP78989.....	2.0882	EA	10
KP78990-2S.....	7.5784	EA	12
KP78990S.....	6.8364	EA	6
KP78999.....	0.4375	EA	25
KP7900-1.....	0.0376	EA	100
KP7902-1.....	0.1129	EA	100
KP79020-2S.....	10.4198	EA	3
KP79028-2S.....	17.3664	EA	3
KP7903.....	0.1333	EA	250
KP79031.....	1.8762	EA	10
KP79032.....	2.0776	EA	10
KP79033.....	2.9998	EA	10
KP79034.....	3.3284	EA	6
KP79035.....	3.4450	EA	6
KP79036.....	6.2222	EA	6
KP79037.....	5.0456	EA	6
KP79038.....	6.6568	EA	6
KP79039.....	7.1232	EA	6
KP7904-1.....	0.1495	EA	100
KP79040.....	2.3214	EA	10
KP79041.....	2.5864	EA	10
KP79042.....	3.7842	EA	10
KP79043.....	3.7100	EA	6
KP79044.....	5.0456	EA	6
KP79045.....	5.0668	EA	6
KP79046.....	5.7028	EA	6
KP79047.....	5.1516	EA	6
KP79048.....	6.2858	EA	6
KP79049.....	3.3178	EA	6
KP7905-1.....	0.1557	EA	100
KP79050.....	5.1834	EA	4
KP79051.....	6.9112	EA	4
KP79052.....	7.6532	EA	2
KP79053.....	3.5298	EA	6
KP79054.....	5.8936	EA	4
KP79055.....	7.0808	EA	4
KP79057.....	4.4202	EA	6
KP79058.....	4.2188	EA	6
KP79059.....	6.4236	EA	4
KP7906-1.....	0.1939	EA	100
KP7906.....	0.1615	EA	250
KP79060.....	6.6356	EA	4
KP79068.....	2.2048	EA	10
KP79069.....	4.1446	EA	6
KP7907-1.....	0.2331	EA	100
KP7907.....	0.1943	EA	250
KP79070.....	5.3742	EA	6
KP79071.....	2.6606	EA	6
KP79072.....	4.1976	EA	4
KP79073.....	5.5014	EA	4
KP79074.....	3.1164	EA	6
KP79075.....	5.8724	EA	4
KP79076.....	7.5048	EA	4
KP79077.....	3.7100	EA	6

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP79078.....	9.6248	EA	4
KP79079.....	9.3174	EA	2
KP7908.....	0.1565	EA	250
KP79080.....	15.3700	EA	1
KP79082.....	15.2746	EA	1
KP79084.....	18.9740	EA	1
KP79085.....	17.0660	EA	1
KP79086.....	0.3791	EA	25
KP7909.....	0.2713	EA	250
KP79090.....	0.3137	EA	10
KP79091.....	0.5899	EA	10
KP79092.....	0.5643	EA	10
KP79094.....	0.6784	EA	10
KP79095.....	0.8904	EA	10
KP79096.....	1.0176	EA	10
KP79097.....	1.2084	EA	10
KP79098.....	1.2084	EA	10
KP79099.....	1.7702	EA	10
KP7910-1.....	0.3427	EA	100
KP7910.....	0.2805	EA	250
KP79100.....	2.0988	EA	10
KP79101.....	2.0564	EA	10
KP79102.....	2.8302	EA	5
KP79103.....	3.2436	EA	5
KP79104.....	4.6428	EA	5
KP79105.....	1.2842	EA	10
KP79106.....	1.6006	EA	10
KP79107.....	1.4098	EA	10
KP79108.....	2.1942	EA	10
KP79109.....	2.1942	EA	10
KP7911-1.....	0.4374	EA	100
KP7911.....	0.3578	EA	250
KP79110.....	3.5404	EA	5
KP79111.....	3.3284	EA	5
KP79112.....	4.2612	EA	5
KP79113.....	5.1410	EA	5
KP79114.....	0.5334	EA	10
KP79115.....	0.6656	EA	10
KP79116.....	0.8222	EA	10
KP79117.....	1.3038	EA	10
KP79118.....	2.2578	EA	5
KP79119.....	4.1128	EA	5
KP79120.....	1.5052	EA	10
KP79121.....	1.6642	EA	10
KP79122.....	2.0988	EA	5
KP79123.....	3.0634	EA	5
KP79124.....	4.5368	EA	3
KP79125.....	8.6920	EA	2
KP79126.....	3.0528	EA	5
KP79127.....	3.5086	EA	5
KP79128.....	4.5368	EA	3
KP79129.....	7.4412	EA	3
KP79130.....	10.8968	EA	2
KP79131.....	17.3310	EA	2
KP79132.....	1.9928	EA	5
KP79133.....	3.4026	EA	5
KP79134.....	4.5898	EA	3
KP79135.....	6.6038	EA	3
KP79136.....	11.1194	EA	2
KP79137.....	17.7338	EA	2
KP79138.....	3.0422	EA	5
KP79139.....	3.2648	EA	5
KP79140.....	4.8548	EA	3
KP79141.....	6.6356	EA	3
KP79142.....	10.1124	EA	2
KP79143.....	16.7374	EA	2
KP79144.....	2.7666	EA	5
KP79145.....	3.1058	EA	5
KP79146.....	4.1022	EA	3
KP79147.....	5.3424	EA	3
KP79148.....	8.1196	EA	2
KP79149.....	11.0770	EA	2
KP79150.....	4.0916	EA	5
KP79151.....	4.6322	EA	5
KP79152.....	7.6002	EA	3
KP79153.....	13.5468	EA	2
KP79154.....	18.5182	EA	2
KP79155.....	4.9820	EA	5
KP79156.....	5.5014	EA	5
KP79157.....	4.9714	EA	3
KP79158.....	7.6638	EA	3
KP79159.....	10.6530	EA	2
KP7916.....	0.5435	EA	100
KP79160.....	18.7514	EA	2
KP79161.....	3.9114	EA	5
KP79162.....	4.5580	EA	5
KP79163.....	6.4236	EA	3
KP79164.....	9.0100	EA	3
KP79165.....	13.6210	EA	2
KP79166.....	21.2530	EA	2
KP79169.....	0.3951	EA	10
KP7917.....	0.6986	EA	100
KP7918-1.....	0.1507	EA	100
KP7918.....	0.1258	EA	250
KP7919-1.....	0.1533	EA	100
KP7919.....	0.1277	EA	250
KP7920-1.....	0.4281	EA	100
KP7920.....	0.3567	EA	250
KP79219.....	1.2084	EA	10
KP7922.....	0.1358	EA	250
KP79224.....	1.7278	EA	1
KP79225.....	0.5147	EA	1
KP79229.....	7.0702	EA	1
KP79245.....	16.7374	EA	1
KP79248.....	20.8078	EA	1
KP79260-2S.....	7.8553	EA	6
KP79265.....	14.2570	EA	1
KP7927.....	0.0571	EA	100
KP79278S.....	1.3835	EA	10
KP7928.....	0.0584	EA	100
KP7930.....	0.0220	EA	50
KP79307.....	0.1984	EA	25
KP79309.....	0.2863	EA	25
KP7931.....	0.0278	EA	50
KP79310.....	0.4177	EA	25
KP79315.....	0.4792	EA	25
KP7932.....	0.0478	EA	50
KP79326.....	1.5264	EA	10
KP7934.....	0.0862	EA	50
KP79363.....	73.1824	EA	1
KP79371S.....	0.2352	EA	25
KP79377S.....	0.9545	EA	25
KP79380S.....	0.5733	EA	25
KP79383S.....	1.2254	EA	25
KP7939.....	0.1223	EA	50
KP79393S.....	5.5245	EA	10
KP79403S.....	5.8317	EA	10
KP79406S.....	6.9888	EA	10
KP79407S.....	7.3779	EA	10
KP79408S.....	7.7107	EA	10
KP7941.....	0.1420	EA	50
KP79410S.....	8.4582	EA	10
KP79411S.....	8.7091	EA	10
KP79415.....	3.0422	EA	1
KP79418-1.....	13.1334	EA	1
KP79418-3.....	1.2136	EA	24
KP79419S.....	58.9908	EA	1
KP79424.....	0.7288	EA	25
KP79425.....	0.7947	EA	25
KP79441.....	40.6616	EA	1
KP79449.....	0.4462	EA	25
KP79450.....	0.4642	EA	25
KP79451.....	0.4820	EA	25
KP79452.....	0.4925	EA	25
KP79453.....	0.6039	EA	25
KP79454.....	0.6417	EA	25
KP79462.....	51.2192	EA	1
KP79463-12.....	3.4043	EA	12
KP79463.....	32.4996	EA	1
KP79489.....	5.2674	EA	10
KP7950.....	0.0276	EA	50
KP79552.....	0.3038	EA	25
KP79562S.....	58.3594	EA	1
KP79571.....	0.4121	EA	25
KP79574.....	0.2156	EA	25
KP79583S.....	1.3595	EA	10
KP79588.....	0.4630	EA	25
KP79601.....	0.0771	EA	10
KP79602.....	0.2131	EA	10
KP79603.....	0.4346	EA	10
KP79635-1.....	4.3778	EA	1
KP79635-6.....	2.5507	EA	6
KP79635.....	4.8018	EA	6
KP79647.....	48.9296	EA	1
KP79648.....	48.9296	EA	1
KP79657.....	15.5290	EA	1
KP79661.....	0.3620	EA	10
KP79674.....	7.5684	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP79675.....	2.5864	EA	5
KP79683-2S.....	9.4575	EA	6
KP79686.....	0.2985	EA	50
KP79687.....	0.3268	EA	25
KP79688.....	0.3555	EA	25
KP79740S.....	0.4896	EA	25
KP79743S.....	0.7301	EA	25
KP79746.....	0.6744	EA	25
KP79749.....	0.8884	EA	10
KP79750.....	1.2981	EA	10
KP79755.....	0.3032	EA	25
KP798.....	0.1945	EA	25
KP79833.....	4.1022	EA	2
KP79834.....	6.5720	EA	2
KP79844-1.....	7.6320	EA	1
KP79844-3.....	0.6408	EA	24
KP79844.....	6.9430	EA	6
KP79849.....	3.2118	EA	5
KP79850.....	27.7826	EA	1
KP79855.....	0.1869	EA	100
KP79877.....	0.3377	EA	100
KP79884.....	0.8186	EA	50
KP79888.....	1.2508	EA	50
KP79896S.....	1.1232	BX	1
KP79899.....	1.3250	EA	2
KP799.....	0.3166	EA	25
KP79901.....	63.0594	EA	1
KP79902.....	67.8294	EA	1
KP79903.....	59.0738	EA	1
KP79904.....	14.6810	EA	1
KP79905.....	0.8904	EA	4
KP79907.....	0.5292	EA	10
KP79908.....	0.5867	EA	10
KP79909.....	0.5989	EA	10
KP79910.....	0.6079	EA	10
KP799128.....	62.9506	EA	1
KP79915.....	0.1054	EA	50
KP79916.....	0.1075	EA	50
KP79917.....	0.1075	EA	50
KP79918.....	0.1091	EA	50
KP79919.....	0.1113	EA	50
KP79925.....	0.1068	EA	50
KP79926.....	0.1088	EA	50
KP79934-1.....	7.1232	EA	1
KP79934-3.....	0.6012	EA	24
KP79950.....	0.7462	EA	10
KP79951.....	0.7556	EA	10
KP79952.....	0.7670	EA	10
KP79953.....	0.7723	EA	10
KP79954.....	0.7738	EA	10
KP79955.....	0.8017	EA	10
KP79956.....	0.8071	EA	10
KP79957.....	0.8543	EA	10
KP79958.....	0.8853	EA	10
KP79973.....	0.2124	EA	25
KP79974.....	0.2124	EA	25
KP79976.....	0.2507	EA	50
KP8000.....	0.0166	EA	100
KP80000.....	4.5368	EA	2
KP80001.....	3.4980	EA	2
KP80002.....	6.2010	EA	2
KP80003.....	4.0174	EA	2
KP80004.....	7.5472	EA	2
KP80005.....	8.5754	EA	2
KP80006.....	9.3704	EA	2
KP80007.....	12.9744	EA	1
KP80008.....	14.8188	EA	1
KP80009.....	12.8896	EA	1
KP80010.....	25.8004	EA	1
KP80011.....	9.1160	EA	2
KP80012.....	9.2326	EA	2
KP80013.....	9.2644	EA	2
KP80014.....	10.2502	EA	2
KP80015.....	10.5046	EA	2
KP80016.....	16.5042	EA	2
KP80017.....	17.9034	EA	1
KP80018.....	18.6136	EA	1
KP80019.....	20.3096	EA	1
KP80020.....	29.9450	EA	1
KP80021.....	9.1054	EA	2
KP80022.....	9.7732	EA	2
KP80024.....	10.2502	EA	2
KP80025.....	11.3632	EA	2
KP80026.....	11.2890	EA	2
KP80027.....	11.8508	EA	2
KP80028.....	14.6068	EA	2
KP80029.....	28.5246	EA	2
KP80030.....	15.3276	EA	1
KP80031.....	18.4864	EA	1
KP80032.....	20.2036	EA	1
KP80033.....	30.6552	EA	1
KP80034.....	5.1198	EA	2
KP80035.....	5.7770	EA	2
KP80036.....	6.1374	EA	2
KP80037.....	7.2186	EA	2
KP80038.....	7.6638	EA	2
KP80039.....	11.5434	EA	1
KP8004.....	0.5421	EA	25
KP80040.....	30.3478	EA	1
KP80041.....	1.6642	EA	4
KP80042.....	2.2578	EA	4
KP80043.....	3.0210	EA	4
KP80044.....	6.2010	EA	4
KP80045.....	6.0950	EA	2
KP80046.....	8.4800	EA	2
KP80047.....	11.2996	EA	2
KP80048.....	1.4946	EA	4
KP80049.....	2.0140	EA	4
KP8005.....	0.4552	EA	25
KP80050.....	2.8514	EA	4
KP80051.....	3.5298	EA	4
KP80052.....	4.6746	EA	2
KP80053.....	7.8016	EA	2
KP80054.....	12.9108	EA	2
KP80055.....	1.4946	EA	4
KP80056.....	1.5158	EA	4
KP80057.....	2.6606	EA	4
KP80058.....	3.4450	EA	4
KP80059.....	4.8654	EA	2
KP80060.....	6.0844	EA	2
KP80061.....	21.5180	EA	2
KP80062.....	1.7596	EA	4
KP80063.....	1.8974	EA	4
KP80064.....	2.7878	EA	4
KP80065.....	3.5404	EA	4
KP80066.....	2.5546	EA	4
KP80067.....	3.2118	EA	4
KP80068.....	5.9254	EA	4
KP80069.....	3.1164	EA	4
KP8007.....	0.8268	EA	10
KP80070.....	4.1446	EA	2
KP80072.....	8.0454	EA	2
KP80074.....	2.1200	EA	4
KP80075.....	3.1058	EA	4
KP80076.....	3.6252	EA	4
KP80077.....	7.9606	EA	4
KP80078.....	8.0242	EA	4
KP80079.....	4.3036	EA	2
KP80080.....	6.3282	EA	2
KP80081.....	21.1576	EA	2
KP80088.....	0.2208	EA	5
KP8012.....	0.6624	EA	10
KP8016.....	0.3857	EA	25
KP80173.....	0.2843	EA	25
KP80174.....	0.3094	EA	25
KP80175.....	0.3549	EA	25
KP80176.....	0.3549	EA	25
KP80177.....	0.4293	EA	25
KP80178.....	0.5830	EA	25
KP80179.....	0.7319	EA	25
KP80180.....	0.2988	EA	25
KP80214-2.....	0.1241	EA	50
KP80217.....	0.2936	EA	25
KP80221.....	0.4095	EA	25
KP80224.....	0.5403	EA	25
KP80256.....	0.2436	EA	25
KP80257-2S.....	8.7230	EA	6
KP80272.....	0.1909	EA	50
KP80282.....	0.3816	EA	50
KP80285.....	0.4836	EA	25
KP80290.....	0.0617	EA	50
KP80291.....	0.0687	EA	50
KP80292.....	0.0785	EA	50
KP80293.....	0.0950	EA	50
KP80294.....	0.1026	EA	50
KP80295.....	0.1214	EA	50
KP80296.....	0.1405	EA	50
KP80321.....	16.1438	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP80322.....	58.9996	EA	1
KP8033.....	0.0351	EA	250
KP80344.....	1.0409	EA	10
KP80347.....	0.2710	EA	25
KP80357.....	1.1296	EA	25
KP80358.....	0.8785	EA	25
KP80363.....	0.8756	EA	25
KP80385S.....	51.1175	EA	1
KP8039?S.....	8.6139	EA	1
KP80400-2.....	0.0337	EA	250
KP80400.....	0.0432	EA	100
KP80401-2.....	0.0496	EA	250
KP80401.....	0.0640	EA	100
KP80402-2.....	0.0725	EA	250
KP80402.....	0.0906	EA	100
KP80403-2.....	0.0926	EA	250
KP80403.....	0.1159	EA	50
KP80404-2.....	0.1232	EA	250
KP80404.....	0.1585	EA	50
KP80405.....	0.2751	EA	50
KP80406-2.....	0.2158	EA	250
KP80406.....	0.2699	EA	50
KP80407-2.....	0.3801	EA	100
KP80407.....	0.4897	EA	50
KP80408.....	0.5774	EA	25
KP80409.....	0.7310	EA	25
KP80410.....	0.7632	EA	25
KP80411.....	0.9933	EA	25
KP80412.....	0.0432	EA	100
KP80413.....	0.0640	EA	100
KP80414.....	0.0934	EA	100
KP80415.....	0.1195	EA	50
KP80416.....	0.1585	EA	50
KP80417.....	0.2751	EA	50
KP80418.....	0.2779	EA	50
KP80419.....	0.4753	EA	50
KP80420.....	0.5774	EA	25
KP80421.....	0.7310	EA	25
KP80422.....	0.7632	EA	25
KP80423.....	0.9933	EA	25
KP80451.....	0.3573	EA	25
KP80460S.....	25.6025	EA	1
KP80464.....	0.1880	EA	50
KP80465.....	0.1969	EA	50
KP80466.....	0.2124	EA	50
KP80467.....	0.2351	EA	50
KP80471.....	21.3908	EA	1
KP80486.....	2.2154	EA	5
KP80487.....	2.6818	EA	5
KP80488.....	2.7030	EA	5
KP80489.....	3.4026	EA	5
KP80490.....	8.4058	EA	5
KP80491.....	4.1446	EA	5
KP80492.....	7.0066	EA	5
KP805.....	0.1134	EA	25
KP80519.....	5.6286	EA	2
KP80527.....	18.6454	EA	1
KP80529.....	12.3066	EA	1
KP80530-2.....	0.0480	EA	250
KP80530.....	0.0480	EA	100
KP80531-2.....	0.0681	EA	250
KP80531.....	0.0681	EA	100
KP80532-2.....	0.1035	EA	250
KP80532.....	0.1035	EA	100
KP80533-2.....	0.1315	EA	100
KP80533.....	0.1315	EA	50
KP80534-2.....	0.1969	EA	100
KP80534.....	0.1969	EA	50
KP80535.....	0.2814	EA	50
KP80536-2.....	0.4173	EA	100
KP80536.....	0.4173	EA	25
KP80537.....	0.6274	EA	25
KP80538.....	1.0459	EA	25
KP80539.....	1.8550	EA	25
KP80540.....	3.6888	EA	10
KP80541.....	5.1834	EA	10
KP80542.....	0.0480	EA	100
KP80543.....	0.0681	EA	100
KP80544.....	0.1035	EA	100
KP80545.....	0.1315	EA	50
KP80546.....	0.1969	EA	50
KP80547.....	0.2814	EA	50
KP80548.....	0.4173	EA	25
KP80549.....	0.6274	EA	25
KP80550.....	1.0459	EA	25
KP80551.....	1.8550	EA	25
KP80552.....	3.6888	EA	10
KP80553.....	5.1834	EA	10
KP80554.....	5.2470	EA	10
KP80555.....	5.2470	EA	10
KP80556S.....	3.0359	EA	10
KP80565.....	1.0918	EA	10
KP80566S.....	1.0400	EA	10
KP80583.....	0.0759	EA	10
KP80590.....	0.1200	EA	10
KP80599.....	1.1978	EA	4
KP80600.....	1.7066	EA	4
KP80601.....	1.4310	EA	4
KP80602.....	2.0776	EA	4
KP80603.....	2.5228	EA	4
KP80604.....	3.7418	EA	2
KP80605.....	1.1024	EA	4
KP80606.....	1.4310	EA	4
KP80616-1.....	4.4202	EA	1
KP80616.....	4.0174	EA	6
KP80628.....	0.1480	EA	100
KP80636S.....	5.6334	EA	6
KP80638S.....	5.5473	EA	6
KP80640S.....	5.7359	EA	6
KP80643-1.....	3.6040	EA	1
KP80643.....	3.2966	EA	6
KP80644.....	1.6047	EA	6
KP80645.....	1.1660	EA	6
KP80646.....	1.1660	EA	6
KP80657.....	0.4027	EA	10
KP80685.....	0.7173	EA	5
KP80689S.....	9.2437	EA	1
KP80705.....	0.4479	EA	25
KP80722.....	0.0153	EA	50
KP80730.....	9.5612	EA	1
KP80743.....	0.6133	EA	25
KP80744.....	0.5128	EA	25
KP80764.....	0.7314	EA	10
KP80765.....	1.4840	EA	10
KP8077?S.....	2.9516	EA	10
KP80774.....	0.0156	EA	50
KP80777-1.....	4.2930	EA	1
KP80778.....	0.3710	EA	25
KP80779.....	0.3941	EA	25
KP80780.....	0.4170	EA	25
KP80781.....	0.5165	EA	25
KP80782.....	0.5904	EA	10
KP80783.....	0.6657	EA	10
KP80784.....	0.9631	EA	10
KP80817.....	0.1860	EA	50
KP80862.....	27.6236	EA	1
KP80879.....	14.7552	EA	1
KP80880.....	3.5404	EA	1
KP80881.....	3.5404	EA	1
KP8088?S.....	17.4960	EA	1
KP80884.....	0.1189	EA	100
KP80896.....	1.4628	EA	25
KP80924-1.....	3.8054	EA	1
KP80925.....	4.6322	EA	6
KP80937-2S.....	14.4600	EA	12
KP80937S.....	4.2283	EA	6
KP80939S.....	6.0232	EA	6
KP80940-2S.....	5.7640	EA	12
KP80940S.....	5.1905	EA	6
KP80952S.....	37.3021	EA	1
KP80962.....	13.1864	EA	1
KP80966.....	1.5582	EA	10
KP80967.....	1.6748	EA	5
KP80968.....	1.7596	EA	5
KP80969.....	1.8338	EA	5
KP8097.....	0.2110	EA	100
KP80970.....	1.9398	EA	5
KP80971.....	2.0140	EA	5
KP80972.....	112.2010	EA	1
KP80973.....	121.0308	EA	1
KP80974.....	138.9554	EA	1
KP80975.....	148.9088	EA	1
KP80976.....	164.2576	EA	1
KP80977.....	161.7030	EA	1
KP80978.....	136.8142	EA	1
KP80979.....	155.2052	EA	1
KP80980.....	199.8842	EA	1
KP80981.....	103.0532	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP80982.....	151.6860	EA	1
KP80983.....	192.9200	EA	1
KP80984.....	6.9006	EA	4
KP80985.....	7.2504	EA	4
KP80986.....	8.3952	EA	4
KP80987.....	10.1760	EA	4
KP80988.....	8.4058	EA	4
KP80989.....	13.4514	EA	2
KP80990.....	12.4974	EA	2
KP80991.....	9.8792	EA	4
KP80992.....	12.8684	EA	2
KP80994.....	5.5014	EA	4
KP80995.....	6.8582	EA	4
KP80996.....	7.2186	EA	4
KP80997.....	5.9042	EA	4
KP80998.....	7.5048	EA	2
KP80999.....	10.9180	EA	2
KP810.....	0.3152	EA	50
KP8100.....	33.1780	EA	1
KP81000.....	7.4094	EA	4
KP81001.....	9.6354	EA	4
KP81003.....	13.4090	EA	2
KP81004.....	9.3810	EA	4
KP81005.....	9.3704	EA	4
KP81006.....	10.9180	EA	2
KP81007.....	2.3532	EA	4
KP81008.....	2.8514	EA	4
KP81009.....	2.7454	EA	4
KP81010.....	3.0846	EA	4
KP81011.....	3.2966	EA	4
KP81012.....	3.9962	EA	4
KP81013.....	3.5934	EA	4
KP81014.....	3.9220	EA	4
KP81015.....	3.1164	EA	4
KP81016.....	4.6110	EA	4
KP81017.....	3.6570	EA	4
KP81018.....	4.2082	EA	4
KP81019.....	4.1340	EA	4
KP81020.....	3.5828	EA	4
KP81024.....	17.1583	EA	2
KP81026.....	3.4980	EA	4
KP81027.....	4.9396	EA	4
KP81028.....	3.2224	EA	4
KP81029.....	3.4450	EA	4
KP81030.....	3.7312	EA	4
KP81031.....	4.6428	EA	2
KP81032.....	5.4060	EA	2
KP81033.....	3.9432	EA	4
KP81034.....	4.2930	EA	4
KP81035.....	5.1516	EA	4
KP81036.....	14.7976	EA	4
KP81037.....	4.6958	EA	4
KP81038.....	6.8688	EA	4
KP81039.....	6.1692	EA	4
KP81040.....	8.6072	EA	4
KP81041.....	8.1302	EA	2
KP81042.....	8.2362	EA	4
KP81043.....	9.6354	EA	4
KP81044.....	11.6600	EA	2
KP81047.....	370.1944	EA	1
KP81048.....	123.7974	EA	1
KP81049.....	106.4134	EA	1
KP81050.....	109.7630	EA	1
KP81051.....	111.4272	EA	1
KP81052.....	106.4028	EA	1
KP81053.....	27.8568	EA	1
KP81054.....	30.4538	EA	1
KP81055.....	26.8286	EA	1
KP81056.....	29.3938	EA	1
KP81057.....	24.3588	EA	1
KP81058.....	24.5284	EA	1
KP81059.....	30.0510	EA	1
KP81060.....	28.6094	EA	1
KP81061.....	25.1750	EA	1
KP81062.....	23.9666	EA	1
KP81063.....	23.8137	EA	1
KP81064.....	31.4714	EA	1
KP81065.....	33.6762	EA	1
KP81066.....	29.8814	EA	1
KP81067.....	35.8598	EA	1
KP81068.....	35.2556	EA	1
KP81069.....	22.0623	EA	1
KP81070.....	35.6690	EA	1
KP81071.....	35.8386	EA	1
KP81072.....	29.7118	EA	1
KP81073.....	0.4837	EA	25
KP81074.....	0.6664	EA	25
KP81075.....	0.7659	EA	25
KP81076.....	175.9706	EA	1
KP81077.....	180.9420	EA	1
KP81078.....	169.7060	EA	1
KP81080.....	30.9838	EA	1
KP81086.....	1.3857	EA	10
KP811.....	0.4990	EA	50
KP81117.....	20.1612	EA	1
KP81119S.....	6.2689	EA	6
KP8112.....	0.6433	EA	25
KP81120S.....	6.2689	EA	6
KP81121.....	32.2240	EA	1
KP81122-2.....	0.1060	EA	1
KP81123.....	0.4709	EA	25
KP81126.....	30.5598	EA	1
KP81127.....	42.8770	EA	1
KP81134.....	2.7454	EA	1
KP8114.....	0.8268	EA	10
KP8115.....	0.6890	EA	10
KP8116-2S.....	0.1200	BX	1000
KP81169.....	35.5418	EA	1
KP8117-2.....	12.3596	BX	1
KP81177.....	10.1654	EA	1
KP8118-2.....	12.3596	BX	1
KP81185.....	1.8338	EA	10
KP81186.....	1.8338	EA	10
KP81187.....	1.8338	EA	10
KP812.....	0.3588	EA	50
KP8120.....	22.4614	EA	1
KP81203.....	15.0838	EA	1
KP81219.....	1.1448	EA	25
KP81231.....	11.9452	EA	1
KP81232.....	0.1650	EA	25
KP81233.....	0.3234	EA	25
KP81234.....	0.3234	EA	25
KP81235.....	0.2828	EA	25
KP81236.....	0.3173	EA	25
KP81237.....	0.3084	EA	25
KP81238.....	0.3315	EA	25
KP81239.....	0.3268	EA	25
KP81242.....	17.3522	EA	1
KP81249S.....	39.0096	EA	1
KP81251S.....	39.4178	EA	1
KP81252S.....	41.9418	EA	1
KP81255.....	154.8448	EA	1
KP81256.....	165.7946	EA	1
KP81257.....	186.2844	EA	1
KP81258.....	119.3984	EA	1
KP81259.....	135.6164	EA	1
KP81260.....	164.0562	EA	1
KP81261.....	198.0186	EA	1
KP81262.....	262.3712	EA	1
KP81263.....	171.9214	EA	1
KP81264.....	280.5926	EA	1
KP81265.....	97.0536	EA	1
KP81266.....	106.6148	EA	1
KP81267.....	119.2606	EA	1
KP81268.....	184.7156	EA	1
KP81269.....	120.5962	EA	1
KP81270.....	2.5652	EA	4
KP81271.....	2.6818	EA	4
KP81272.....	2.8196	EA	4
KP81273.....	2.9256	EA	4
KP81274.....	3.5828	EA	4
KP81275.....	3.3920	EA	4
KP81276.....	3.6570	EA	4
KP81277.....	5.4060	EA	4
KP81278.....	7.6320	EA	4
KP81279.....	7.4094	EA	4
KP81280.....	7.1762	EA	4
KP81281.....	5.9042	EA	2
KP81282.....	8.7238	EA	2
KP81283.....	16.4300	EA	1
KP81284.....	24.1362	EA	1
KP81285.....	2.9256	EA	4
KP81286.....	3.0528	EA	4
KP81287.....	3.1270	EA	4
KP81288.....	3.4344	EA	4
KP81289.....	3.7312	EA	4
KP81290.....	5.0138	EA	4
KP81291.....	4.1128	EA	4

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP81292.....	4.7276	EA	2
KP81293.....	5.7770	EA	2
KP81294.....	7.0172	EA	2
KP81295.....	6.3388	EA	2
KP81296.....	8.2468	EA	2
KP81297.....	8.5966	EA	2
KP81298.....	15.5926	EA	1
KP81299.....	24.6344	EA	1
KP81300.....	3.1482	EA	4
KP81301.....	3.2542	EA	4
KP81302.....	3.2118	EA	4
KP81303.....	3.4344	EA	4
KP81304.....	3.4874	EA	4
KP81305.....	3.5828	EA	4
KP81306.....	3.7948	EA	4
KP81307.....	4.6746	EA	4
KP81308.....	4.7170	EA	4
KP81309.....	7.8546	EA	4
KP81310.....	12.2112	EA	4
KP81311.....	8.1938	EA	4
KP81312.....	7.2822	EA	4
KP81313.....	8.0348	EA	4
KP81314.....	7.3140	EA	2
KP81315.....	7.5472	EA	2
KP81316.....	9.6672	EA	1
KP81317.....	9.2856	EA	1
KP81318.....	17.9034	EA	1
KP81319.....	27.6978	EA	1
KP8132.....	149.3540	EA	1
KP81320.....	7.5154	EA	4
KP81321.....	8.5860	EA	4
KP81322.....	8.4164	EA	4
KP81323.....	9.1690	EA	2
KP81324.....	9.6778	EA	2
KP81325.....	16.7798	EA	2
KP81326.....	27.5706	EA	1
KP81327.....	7.4412	EA	4
KP81328.....	8.1302	EA	4
KP81329.....	7.5154	EA	4
KP81330.....	8.5754	EA	4
KP81331.....	16.9070	EA	2
KP81332.....	26.4152	EA	2
KP81333.....	5.0138	EA	4
KP81334.....	6.0844	EA	4
KP81335.....	5.2894	EA	4
KP81336.....	5.3212	EA	4
KP81337.....	6.4448	EA	4
KP81338.....	8.3210	EA	2
KP81339.....	11.0240	EA	2
KP81340.....	5.6816	EA	4
KP81341.....	6.6992	EA	4
KP81342.....	6.0526	EA	4
KP81343.....	7.2928	EA	2
KP81344.....	5.5756	EA	4
KP81345.....	6.0738	EA	4
KP81346.....	6.8370	EA	4
KP81347.....	8.2468	EA	2
KP81348.....	6.4554	EA	4
KP81349.....	6.9112	EA	4
KP81350.....	7.3776	EA	4
KP81351.....	7.2610	EA	4
KP81352.....	8.5118	EA	2
KP81353.....	6.0844	EA	4
KP81354.....	7.0596	EA	4
KP81355.....	8.1408	EA	4
KP81356.....	8.8616	EA	4
KP81357.....	13.3560	EA	2
KP81358.....	26.7014	EA	2
KP81359.....	3.9114	EA	4
KP81360.....	4.0068	EA	4
KP81361.....	4.0386	EA	4
KP81362.....	4.1234	EA	4
KP81363.....	4.2188	EA	4
KP81364.....	4.6322	EA	4
KP81365.....	4.7064	EA	4
KP81366.....	8.3210	EA	2
KP81367.....	7.4730	EA	2
KP81368.....	17.7020	EA	2
KP81369.....	24.2846	EA	1
KP81370.....	6.9112	EA	4
KP81371.....	8.2468	EA	4
KP81372.....	7.4094	EA	4
KP81373.....	8.5118	EA	4
KP81374.....	14.5644	EA	2
KP81375.....	10.5894	EA	4
KP81376.....	14.9990	EA	2
KP81377.....	12.1158	EA	2
KP81378.....	12.0098	EA	2
KP81379.....	3145.0624	EA	1
KP81380.....	581.9571	EA	1
KP81381.....	536.6530	EA	1
KP81384-1.....	3.0634	EA	1
KP81384.....	2.7984	EA	6
KP81387-6.....	0.0270	EA	50
KP8138S.....	17.0958	RL	1
KP81391.....	2.1174	EA	10
KP81392.....	2.1209	EA	10
KP814.....	0.2393	EA	50
KP8140.....	22.5038	EA	1
KP8141.....	19.1118	EA	1
KP8142.....	34.1532	EA	1
KP81424.....	66.1758	EA	1
KP81429S.....	2.0898	EA	10
KP81430S.....	2.0898	EA	10
KP81431-1.....	2.5864	EA	10
KP81431S.....	2.0898	EA	10
KP81432S.....	2.0898	EA	10
KP81440.....	0.0835	EA	100
KP81441.....	0.1174	EA	100
KP81442.....	0.1790	EA	100
KP81443.....	0.2281	EA	50
KP81444.....	0.3410	EA	50
KP81445.....	0.4877	EA	50
KP81446.....	0.7228	EA	25
KP81447.....	1.0861	EA	25
KP81448.....	4.1023	EA	25
KP81449.....	8.4192	EA	10
KP81450.....	0.0835	EA	100
KP81451.....	0.1162	EA	100
KP81452.....	0.1790	EA	100
KP81453.....	0.2281	EA	50
KP81454.....	0.3412	EA	50
KP81456.....	0.7228	EA	25
KP81457.....	1.0861	EA	25
KP81460.....	1680.9162	EA	1
KP81461.....	92.0716	EA	1
KP81462.....	92.0716	EA	1
KP81463.....	92.0716	EA	1
KP81464.....	108.1094	EA	1
KP81465.....	108.1094	EA	1
KP81466.....	108.1094	EA	1
KP81467.....	108.1094	EA	1
KP8146S.....	45.3568	EA	1
KP8147.....	31.8636	EA	1
KP8148.....	43.3752	EA	1
KP81485.....	0.0888	EA	50
KP815.....	0.2737	EA	50
KP81527-1.....	4.4944	EA	1
KP81527.....	4.1128	EA	6
KP81528-1.....	4.4944	EA	1
KP81528.....	4.1128	EA	6
KP81538.....	3.2436	EA	1
KP8154S.....	49.4068	EA	1
KP8155S.....	54.4288	EA	1
KP8158.....	0.0798	EA	50
KP8159.....	0.0798	EA	50
KP816.....	0.2653	EA	50
KP81622.....	1.2730	EA	10
KP81623.....	1.1660	EA	10
KP81625.....	2.9680	EA	5
KP81626.....	2.9680	EA	5
KP81627.....	2.9680	EA	5
KP81636.....	1.8338	EA	6
KP81637.....	1.8338	EA	6
KP81638.....	2.2154	EA	6
KP81639.....	0.4506	EA	25
KP8164-1.....	0.9457	EA	10
KP8164.....	1.1876	EA	25
KP81640.....	0.4882	EA	25
KP81641.....	0.6008	EA	20
KP81642S.....	0.5944	EA	25
KP81643S.....	0.5944	EA	25
KP81646-1.....	4.2506	EA	1
KP81693.....	1.8444	EA	1
KP81694.....	2.5016	EA	1
KP81695.....	5.0138	EA	1
KP81696.....	0.3392	EA	25
KP81697.....	0.3392	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP81700.....	0.7783	EA	5
KP81701.....	0.3477	EA	5
KP81709S.....	63.5570	EA	1
KP81717.....	0.4777	EA	25
KP81718.....	0.3605	EA	25
KP81719.....	0.5355	EA	25
KP81720.....	0.3376	EA	25
KP81727.....	0.3392	EA	10
KP81730.....	0.9646	EA	10
KP81731.....	1.4098	EA	10
KP81737.....	1.5582	EA	10
KP81740-1.....	6.0738	EA	1
KP81740.....	5.0932	EA	6
KP81749.....	0.9714	EA	10
KP81751.....	1.7278	EA	10
KP81754.....	0.9328	EA	10
KP81760.....	0.8480	EA	10
KP81762.....	1.4840	EA	10
KP81763.....	1.3038	EA	10
KP81764.....	3.2118	EA	10
KP81765.....	0.2650	EA	10
KP81766.....	0.4558	EA	10
KP81767.....	1.0282	EA	10
KP81768.....	2.3214	EA	10
KP81776.....	0.3460	EA	50
KP81780.....	0.1359	EA	50
KP8179.....	0.1992	EA	50
KP8180.....	22.4614	EA	1
KP81832.....	5.9890	EA	1
KP81834.....	0.5339	EA	10
KP81877.....	0.2013	EA	100
KP81878.....	0.2434	EA	100
KP81879.....	0.3056	EA	100
KP81881.....	4.9290	EA	1
KP81909.....	0.2351	EA	50
KP81910.....	0.3282	EA	50
KP81911.....	0.2434	EA	50
KP81912.....	0.3592	EA	50
KP81916.....	6.8264	EA	1
KP81926.....	37.1530	EA	1
KP81932.....	24.7934	EA	1
KP81954.....	0.1472	EA	50
KP81965.....	0.3950	EA	25
KP81973.....	0.0833	EA	50
KP82.....	21.7300	EA	1
KP82000-1.....	7.1232	EA	1
KP82002.....	2.0856	EA	10
KP82003.....	2.1239	EA	10
KP82017.....	103.8482	EA	1
KP82020.....	7.3683	EA	10
KP82026.....	7.7228	EA	10
KP82030.....	0.9120	EA	10
KP82031.....	0.9839	EA	10
KP82032.....	11.5116	EA	1
KP82033.....	1.0632	EA	10
KP82036.....	1.4929	EA	10
KP82047.....	0.4394	EA	25
KP82050.....	0.6198	EA	25
KP82051.....	0.5228	EA	25
KP82052.....	0.5783	EA	10
KP82053.....	0.5958	EA	10
KP82054.....	0.5753	EA	25
KP82075.....	1.1024	EA	25
KP82076.....	1.3780	EA	25
KP82077.....	1.8444	EA	25
KP82078.....	1.1236	EA	25
KP82088.....	0.4506	EA	10
KP82089.....	0.4746	EA	10
KP82090.....	0.5100	EA	10
KP82097.....	0.0615	EA	250
KP82098.....	0.1155	EA	250
KP82099.....	0.1308	EA	250
KP821.....	0.3232	EA	25
KP82100.....	0.1402	EA	250
KP82101-1.....	0.1371	EA	100
KP82101.....	0.1126	EA	250
KP82102-1.....	0.2923	EA	100
KP82102.....	0.2436	EA	250
KP82103-1.....	0.3404	EA	100
KP82103.....	0.2837	EA	250
KP82104-1.....	0.3822	EA	100
KP82104.....	0.3186	EA	250
KP82113.....	1.2932	EA	4
KP82116.....	10.9498	EA	1
KP82125.....	0.8894	EA	10
KP82126.....	0.8894	EA	10
KP82127.....	0.8894	EA	10
KP82132S.....	0.5944	EA	25
KP82152.....	1.1342	EA	10
KP82154.....	1.3780	EA	10
KP82156.....	8.4694	EA	1
KP82170.....	2.3532	EA	2
KP82174.....	22.6204	EA	1
KP82185.....	0.1772	EA	25
KP82186.....	0.1772	EA	25
KP82187.....	0.1772	EA	25
KP82188.....	0.1772	EA	25
KP82189.....	0.2085	EA	25
KP82190.....	12.2324	EA	1
KP822.....	0.4551	EA	25
KP82249.....	0.9114	EA	10
KP82293.....	0.2338	EA	25
KP82294.....	0.2696	EA	25
KP82295.....	0.2696	EA	25
KP82296.....	0.2775	EA	25
KP82388.....	0.7018	EA	25
KP82391.....	0.4976	EA	25
KP82392.....	0.5518	EA	25
KP82393.....	0.6476	EA	25
KP82394.....	0.6352	EA	25
KP82395.....	0.6561	EA	25
KP82396.....	0.7545	EA	25
KP82397.....	0.8099	EA	25
KP82412.....	1.9504	EA	10
KP82413.....	1.9822	EA	10
KP82414.....	2.0352	EA	10
KP82415.....	2.1200	EA	10
KP82416.....	2.1518	EA	10
KP82417.....	2.4062	EA	10
KP82419.....	2.5228	EA	10
KP82420.....	3.2012	EA	10
KP82422.....	3.3496	EA	10
KP82423.....	3.9220	EA	10
KP82425.....	0.4306	EA	25
KP82426.....	0.4356	EA	25
KP82427.....	0.4476	EA	25
KP82428.....	0.4559	EA	25
KP82430.....	0.5479	EA	25
KP82432.....	0.5456	EA	25
KP82433.....	0.5576	EA	25
KP82434.....	12.6988	EA	1
KP82435.....	0.5775	EA	25
KP82436.....	0.6527	EA	25
KP82437.....	0.7206	EA	25
KP82438.....	0.7845	EA	25
KP82439.....	11.1830	EA	1
KP82440.....	0.8363	EA	25
KP82441.....	0.8780	EA	25
KP82442.....	0.9330	EA	25
KP82444.....	0.9815	EA	25
KP82445.....	1.0145	EA	25
KP82446.....	1.0209	EA	25
KP82448.....	1.0810	EA	25
KP82449.....	1.0935	EA	25
KP82450.....	1.1840	EA	25
KP82451.....	1.3938	EA	25
KP82455.....	21.0198	EA	1
KP82457.....	34.6620	EA	1
KP82458.....	5.3848	EA	1
KP82461S.....	2.9516	EA	10
KP82492.....	113.1126	EA	1
KP82504.....	7.9818	EA	1
KP82505.....	7.9818	EA	1
KP82506.....	4.9608	EA	1
KP82507.....	4.9608	EA	1
KP82508.....	4.3884	EA	1
KP82511.....	96.2162	EA	1
KP82546.....	0.2870	EA	50
KP82551.....	0.1279	EA	50
KP82552.....	0.2032	EA	50
KP82555.....	0.3469	EA	25
KP82565.....	0.3753	EA	25
KP82574.....	0.5285	EA	25
KP82575.....	0.5285	EA	25
KP82578.....	20.6382	EA	1
KP82579.....	20.6382	EA	1
KP82580.....	20.6382	EA	1
KP82581.....	20.6382	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP82582.....	20.6382	EA	1
KP82583.....	20.6382	EA	1
KP82584.....	20.6382	EA	1
KP826.....	0.0669	EA	50
KP82628.....	0.2862	EA	10
KP82629.....	1.1448	EA	10
KP82630.....	0.9328	EA	10
KP82631.....	0.8162	EA	10
KP82632.....	2.1518	EA	10
KP82633.....	1.4098	EA	10
KP82640.....	5.4696	EA	4
KP82641.....	6.5402	EA	3
KP82646.....	10.4728	EA	2
KP82647.....	11.2148	EA	2
KP82675.....	10.2396	EA	1
KP82676.....	14.2146	EA	2
KP82683.....	0.5884	EA	10
KP82684.....	22.5984	EA	1
KP82685.....	19.8962	EA	1
KP82686.....	9.3704	EA	4
KP82687.....	9.9110	EA	4
KP82688.....	10.7484	EA	4
KP82709.....	0.7738	EA	10
KP82712.....	1.8232	EA	2
KP82714.....	1.5476	EA	2
KP82715.....	2.6818	EA	2
KP82716.....	3.4662	EA	2
KP82724.....	29.1182	EA	1
KP82725.....	43.6932	EA	1
KP82727.....	55.8514	EA	1
KP82728.....	65.7518	EA	1
KP82729.....	55.0670	EA	1
KP82730.....	58.5862	EA	1
KP82731.....	77.4387	EA	1
KP82732.....	85.4466	EA	1
KP82733.....	104.8340	EA	1
KP82734.....	1.7490	EA	4
KP82735.....	2.2366	EA	4
KP82736.....	2.1518	EA	4
KP82737.....	2.2578	EA	4
KP82738.....	3.4344	EA	4
KP82739.....	3.0210	EA	4
KP82740.....	4.2294	EA	4
KP82741.....	6.5932	EA	2
KP82743.....	9.8686	EA	1
KP82744.....	6.1162	EA	2
KP82745.....	8.9040	EA	2
KP82746.....	2.5016	EA	4
KP82747.....	3.5934	EA	4
KP82748.....	3.4662	EA	4
KP82749.....	4.6110	EA	4
KP82750.....	6.0208	EA	2
KP82751.....	7.3352	EA	2
KP82753.....	6.7098	EA	4
KP82754.....	8.5860	EA	4
KP82755.....	7.2822	EA	4
KP82756.....	8.5966	EA	4
KP82757.....	12.0416	EA	2
KP82758.....	12.0826	EA	2
KP82759.....	5.8618	EA	4
KP82760.....	9.4234	EA	4
KP82761.....	8.0984	EA	4
KP82762.....	9.6248	EA	4
KP82763.....	10.2502	EA	2
KP82764.....	13.0274	EA	2
KP82766.....	9.1266	EA	2
KP82767.....	7.8122	EA	2
KP82768.....	5.0350	EA	4
KP82769.....	6.0526	EA	4
KP82770.....	4.4626	EA	4
KP82771.....	5.7558	EA	4
KP82773.....	7.2822	EA	4
KP82774.....	7.0278	EA	4
KP82775.....	8.1196	EA	4
KP82776.....	5.6604	EA	4
KP82777.....	6.6462	EA	4
KP82778.....	9.1902	EA	4
KP82779.....	8.6072	EA	4
KP82780.....	0.0253	EA	100
KP82782.....	0.0585	EA	100
KP82790.....	0.7942	EA	50
KP82799.....	0.7200	EA	10
KP82801S.....	1.3631	EA	6
KP82804S.....	0.9302	EA	8
KP82805S.....	2.6615	EA	6
KP82806S.....	0.6072	EA	6
KP82811-1.....	3.6358	EA	1
KP82814.....	1.6218	EA	2
KP82845.....	2.0988	EA	4
KP82846.....	2.9362	EA	4
KP82847.....	3.4980	EA	4
KP82848.....	4.5156	EA	4
KP82849.....	6.6356	EA	2
KP82850.....	10.2078	EA	2
KP82870S.....	0.8489	EA	10
KP82871S.....	0.8489	EA	10
KP82872S.....	0.8489	EA	10
KP82873S.....	0.8489	EA	10
KP82874S.....	0.8489	EA	10
KP82875S.....	0.8489	EA	10
KP82886.....	13.3348	EA	1
KP82893.....	26.2562	EA	1
KP82898.....	2.1094	EA	2
KP829.....	0.1749	EA	50
KP82903.....	0.1744	EA	25
KP82904.....	67.2617	EA	1
KP82905.....	76.4260	EA	1
KP82906.....	82.4044	EA	1
KP82907.....	85.7646	EA	1
KP82908.....	99.5446	EA	1
KP82909.....	116.9180	EA	1
KP82910.....	151.9934	EA	1
KP82932.....	20.0340	EA	1
KP82938.....	3.5934	EA	2
KP82939.....	3.9220	EA	2
KP82956.....	78.5142	EA	1
KP82964.....	16.7798	EA	1
KP82965.....	35.2238	EA	1
KP82969S.....	1.7153	EA	3
KP82970S.....	2.9446	EA	2
KP83.....	28.6412	EA	1
KP83032S.....	52.9610	EA	1
KP83059.....	0.8586	EA	10
KP83060.....	18.0730	EA	1
KP83062.....	0.6285	EA	10
KP83064.....	0.6181	EA	10
KP83066.....	0.7753	EA	10
KP83083S.....	9.3020	EA	1
KP83094S.....	17.3113	EA	1
KP83101S.....	91.1963	EA	1
KP83102S.....	126.8914	EA	1
KP83103-1.....	0.0754	EA	100
KP83103.....	0.0660	EA	250
KP83104-1.....	0.0679	EA	100
KP83104.....	0.0595	EA	250
KP83105.....	0.0647	EA	250
KP83107.....	0.5612	EA	25
KP83108.....	0.8268	EA	10
KP83127.....	0.2203	EA	50
KP83132.....	0.1548	EA	50
KP83136.....	0.1270	EA	50
KP83144.....	0.6648	EA	25
KP83146.....	0.7285	EA	25
KP83163.....	0.8480	EA	4
KP83164.....	1.0706	EA	4
KP83165.....	1.1872	EA	4
KP83166.....	1.1872	EA	4
KP83167.....	1.2508	EA	4
KP83168.....	1.5582	EA	4
KP83170.....	82.0228	EA	1
KP83171.....	14.8400	EA	1
KP83172.....	15.3064	EA	1
KP83173.....	16.1226	EA	1
KP83174.....	16.1226	EA	1
KP83175.....	16.7692	EA	1
KP83176.....	18.0624	EA	1
KP83181.....	0.1090	EA	100
KP832.....	0.1594	EA	10
KP83210.....	2.5228	EA	6
KP83211.....	2.5228	EA	6
KP83214.....	50.8058	EA	1
KP83228.....	0.3016	EA	25
KP83233.....	0.7974	EA	25
KP83240.....	0.0423	EA	50
KP83241.....	0.0567	EA	50
KP83242.....	0.1232	EA	50
KP83243.....	0.2248	EA	50
KP83262.....	0.5795	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP83266.....	0.6045	EA	50
KP83268.....	0.8768	EA	25
KP83269.....	110.2612	EA	1
KP83270.....	144.5734	EA	1
KP83271.....	172.1758	EA	1
KP83272.....	266.8656	EA	1
KP83273.....	8.5966	EA	1
KP83274.....	11.0876	EA	1
KP83275.....	19.9704	EA	1
KP83278.....	0.1502	EA	100
KP83279.....	0.1107	EA	100
KP83290.....	1.5370	EA	10
KP83291.....	1.4840	EA	10
KP83292.....	4.0810	EA	5
KP83293.....	6.4872	EA	5
KP83300.....	8.1302	EA	1
KP83301.....	13.1488	EA	1
KP83302.....	11.9462	EA	1
KP83303.....	0.3782	EA	10
KP83305.....	0.4117	EA	10
KP83307.....	0.4853	EA	25
KP83308.....	0.6724	EA	25
KP83309.....	0.6797	EA	25
KP83310.....	0.4812	EA	25
KP83311.....	0.4859	EA	25
KP83312.....	0.5219	EA	25
KP83313.....	0.8647	EA	25
KP83314.....	0.5553	EA	25
KP83315.....	0.5840	EA	25
KP83316.....	0.6417	EA	25
KP83317.....	0.7326	EA	25
KP83327.....	1.4522	EA	5
KP83328.....	1.4310	EA	5
KP83329.....	1.5900	EA	5
KP83369.....	45.1829	EA	1
KP83370.....	82.1508	EA	1
KP83371.....	53.0924	EA	1
KP83372.....	96.5341	EA	1
KP83373.....	66.1053	EA	1
KP83374.....	120.1937	EA	1
KP83386.....	54.3780	EA	1
KP83387.....	67.1934	EA	1
KP83472-2S.....	0.1294	EA	250
KP83490S.....	20.4185	EA	1
KP83493S.....	24.0116	EA	1
KP83494.....	19.8538	EA	1
KP83495.....	1.8868	EA	1
KP83496.....	1.8868	EA	1
KP83497.....	1.8868	EA	1
KP83537.....	32.6904	EA	1
KP83538.....	0.0547	EA	100
KP83539.....	0.0547	EA	100
KP83540.....	0.0547	EA	100
KP83541.....	0.0560	EA	100
KP83542.....	0.0563	EA	100
KP83543.....	0.0563	EA	100
KP83544.....	0.0667	EA	100
KP83545.....	0.0667	EA	100
KP83546.....	0.0940	EA	100
KP83547.....	0.0940	EA	100
KP83548.....	0.0940	EA	100
KP83549.....	0.1332	EA	100
KP83550.....	0.1607	EA	100
KP83551.....	0.2001	EA	100
KP83552.....	0.0481	EA	100
KP83555.....	0.0173	EA	100
KP83559.....	0.0315	EA	100
KP83561-1.....	7.4836	EA	1
KP83561-2.....	5.2330	EA	12
KP83561.....	6.2975	EA	6
KP83562.....	5.9731	EA	2
KP83563.....	1.0918	EA	10
KP83571.....	3.8054	EA	5
KP83572.....	3.8054	EA	5
KP83573.....	0.5936	EA	10
KP83574.....	0.4664	EA	10
KP83575.....	0.4876	EA	10
KP83590.....	3.2224	EA	5
KP83601.....	9.7308	EA	1
KP83602.....	9.7308	EA	1
KP83696S.....	38.4815	BX	1
KP83701.....	8.4906	EA	1
KP83720.....	0.3032	EA	25
KP83721.....	0.3032	EA	25
KP83735S.....	3.3878	EA	10
KP83738.....	68.1580	EA	1
KP83739.....	68.1580	EA	1
KP83773.....	13.9390	EA	1
KP83774.....	13.9390	EA	1
KP83775.....	19.8008	EA	1
KP83776.....	19.8008	EA	1
KP83804.....	0.6083	EA	25
KP83805.....	0.6776	EA	25
KP83806.....	0.3078	EA	25
KP83817.....	0.5631	EA	25
KP83818.....	48.6328	EA	1
KP83822S.....	7.5187	EA	1
KP83824S.....	9.4199	EA	1
KP83828.....	4.2930	EA	4
KP83829.....	5.0774	EA	4
KP83830.....	5.2258	EA	4
KP83831.....	7.3140	EA	4
KP83847S.....	5.2618	EA	1
KP83852.....	10.9074	EA	1
KP83853.....	11.8402	EA	1
KP83854.....	14.9778	EA	1
KP83856.....	72.1754	EA	1
KP83857.....	2.1836	EA	5
KP83858.....	5.5756	EA	1
KP839.....	1.0100	EA	5
KP83915.....	0.8586	EA	10
KP83917S.....	3.5608	EA	2
KP83918S.....	3.5608	EA	2
KP83919.....	3.8902	EA	2
KP83920.....	3.8902	EA	2
KP83921.....	3.8902	EA	2
KP83922.....	3.8902	EA	2
KP83924.....	4.8654	EA	1
KP83925.....	10.8968	EA	2
KP83962.....	29.6906	EA	1
KP83972S.....	35.4650	EA	1
KP84.....	14.7552	EA	1
KP84000S.....	5.6375	EA	6
KP84001S.....	5.6375	EA	6
KP84002S.....	5.6375	EA	6
KP84003S.....	5.6375	EA	6
KP84004S.....	5.8712	EA	6
KP84005S.....	5.6375	EA	6
KP84009S.....	5.6375	EA	6
KP84010S.....	5.6375	EA	6
KP84012S.....	5.6375	EA	6
KP84013S.....	5.6375	EA	6
KP84014S.....	5.6375	EA	6
KP84015S.....	5.6375	EA	6
KP84025.....	0.3727	EA	25
KP84051.....	17.9882	EA	1
KP84054.....	0.2408	EA	50
KP84082.....	0.3070	EA	50
KP84109.....	1.8974	EA	2
KP84110.....	1.8974	EA	2
KP84114.....	11.6176	EA	1
KP84115.....	14.8188	EA	1
KP84116.....	21.4756	EA	1
KP84117.....	27.6554	EA	1
KP84120.....	0.1438	EA	5
KP84121.....	0.2459	EA	5
KP84122.....	0.2317	EA	5
KP84123.....	0.1678	EA	5
KP84124.....	0.2644	EA	5
KP84130.....	0.0580	EA	100
KP84131.....	0.0744	EA	100
KP84132.....	0.0983	EA	50
KP84133.....	5.8830	EA	1
KP84134.....	21.5816	EA	1
KP84136.....	30.4962	EA	1
KP84137.....	7.5472	EA	1
KP84158.....	0.1060	EA	25
KP84159.....	0.1166	EA	25
KP84160.....	0.1166	EA	25
KP84161.....	0.2120	EA	25
KP84162.....	0.2226	EA	25
KP84163.....	0.2226	EA	25
KP84164.....	0.2332	EA	25
KP84165.....	0.2438	EA	25
KP84169.....	0.2650	EA	25
KP84170.....	0.2756	EA	10
KP84171.....	0.2968	EA	10
KP84172.....	0.4452	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP84173.....	0.1559	EA	50
KP84174.....	0.1965	EA	50
KP84180.....	0.7958	EA	20
KP84181.....	146.8524	EA	1
KP84182.....	0.4596	EA	8
KP84183.....	0.5413	EA	8
KP84184.....	0.5630	EA	4
KP84185.....	0.5971	EA	4
KP84186.....	0.7003	EA	4
KP84187.....	0.7948	EA	4
KP84188.....	0.9625	EA	4
KP84189.....	1.0527	EA	4
KP84190.....	1.2805	EA	4
KP84191.....	58.6180	EA	1
KP84192.....	218.0420	EA	1
KP84193.....	18.8998	EA	1
KP84195S.....	2.6496	EA	2
KP842.....	0.0438	EA	50
KP84202.....	9.7838	EA	1
KP84203.....	12.2430	EA	1
KP84204.....	14.6704	EA	1
KP84207.....	48.9296	EA	1
KP84208.....	99.7460	EA	1
KP84209.....	73.3944	EA	1
KP84215.....	11.7554	EA	2
KP84216.....	6.2646	EA	1
KP84223.....	7.2186	EA	2
KP84226.....	0.4448	EA	25
KP84229.....	177.6772	EA	1
KP84230.....	28.9592	EA	1
KP84231.....	29.0334	EA	1
KP84233.....	0.0448	EA	100
KP84234.....	0.0507	EA	100
KP84235.....	0.0726	EA	100
KP84236.....	0.0904	EA	100
KP84237.....	0.2033	EA	100
KP84239.....	7.7486	EA	2
KP84275S.....	26.3591	EA	1
KP84283.....	7.2504	EA	1
KP84284.....	8.7344	EA	1
KP84285.....	7.3140	EA	1
KP84286.....	15.1898	EA	1
KP84289-3.....	4.5580	EA	24
KP84289-4.....	4.3354	EA	48
KP84290.....	15.4548	EA	1
KP84298.....	16.4936	EA	1
KP84305.....	0.4561	EA	25
KP84306.....	0.4561	EA	25
KP84307.....	0.7288	EA	25
KP84308.....	0.3968	EA	25
KP84317.....	0.1742	EA	100
KP84318.....	0.2644	EA	100
KP84319.....	0.1996	EA	100
KP84336.....	0.4515	EA	100
KP84345S.....	12.3501	EA	1
KP84350.....	13.4408	EA	2
KP84351.....	10.3138	EA	2
KP84352.....	14.3100	EA	2
KP84353.....	8.9252	EA	2
KP84354.....	8.0772	EA	2
KP84355.....	11.8084	EA	2
KP84356.....	7.2928	EA	2
KP84357.....	8.0030	EA	2
KP84358.....	9.2114	EA	2
KP84359.....	4.0386	EA	2
KP84360.....	3.6782	EA	2
KP84361.....	5.7452	EA	2
KP84362.....	8.7238	EA	2
KP84363.....	8.6390	EA	2
KP84364.....	11.3420	EA	2
KP84365.....	15.0732	EA	2
KP84366.....	17.1614	EA	2
KP84367.....	21.4544	EA	2
KP84369S.....	0.5584	EA	25
KP84387S.....	5.3280	EA	1
KP84395.....	3.7312	EA	2
KP8440.....	22.8748	EA	1
KP84402.....	1.3462	EA	10
KP84403.....	1.4204	EA	10
KP84404.....	1.4840	EA	10
KP84405.....	1.4628	EA	10
KP84406.....	1.6430	EA	10
KP84407.....	1.7702	EA	10
KP84410-6.....	0.5632	EA	1
KP84426.....	0.1487	EA	10
KP84453.....	0.4694	EA	50
KP84454.....	0.5575	EA	50
KP84461.....	0.2460	EA	50
KP84462.....	0.0690	EA	50
KP84464.....	0.0694	EA	50
KP84466.....	0.2935	EA	25
KP84467.....	0.2944	EA	25
KP8446S.....	14.2495	EA	1
KP8447S.....	14.4990	EA	1
KP8448S.....	23.8464	EA	1
KP8449IS.....	7.0705	EA	1
KP84494.....	18.9740	EA	1
KP84497.....	13.3726	EA	2
KP84505.....	4.2718	EA	24
KP84525.....	229.6278	EA	1
KP84526.....	269.0810	EA	1
KP84527.....	304.1352	EA	1
KP84528.....	369.3994	EA	1
KP84529.....	482.2152	EA	1
KP84530.....	312.6576	EA	1
KP84531.....	517.0362	EA	1
KP84534.....	6.6568	EA	1
KP84535.....	15.3806	EA	6
KP84536.....	16.4936	EA	1
KP8453S.....	57.9409	EA	1
KP8454.....	100.5940	EA	1
KP84543.....	1.0694	EA	25
KP84573.....	0.5031	EA	25
KP84576.....	0.4262	EA	25
KP84590.....	0.6466	EA	10
KP84591.....	0.6784	EA	10
KP84592.....	0.2670	EA	20
KP84594.....	9.0630	EA	2
KP8459S.....	38.0223	EA	1
KP84600.....	54.9822	EA	1
KP84601.....	4.6640	EA	1
KP84602.....	8.7980	EA	1
KP84605.....	0.4278	EA	25
KP84616.....	0.7314	EA	10
KP84651.....	5.8194	EA	1
KP84652-2S.....	11.8033	EA	12
KP8465ZS.....	11.8398	EA	6
KP8465ZS.....	12.2135	EA	1
KP84654.....	13.7376	EA	1
KP84655.....	13.6104	EA	1
KP84656.....	13.7376	EA	1
KP84657.....	24.2846	EA	1
KP84658.....	25.4082	EA	1
KP84659.....	5.1834	EA	1
KP8466IS.....	108.6145	EA	1
KP84662.....	1.1766	EA	1
KP8468ZS.....	6.8306	EA	6
KP8468ZS.....	7.1340	EA	6
KP8468ZS.....	6.1418	EA	6
KP84710.....	3.8584	EA	1
KP84711.....	2.0458	EA	1
KP84721.....	1.0070	EA	10
KP84722.....	1.0812	EA	10
KP84727.....	1.0812	EA	10
KP84728.....	1.0070	EA	10
KP84850.....	0.0166	EA	100
KP84853.....	0.0254	EA	100
KP84858.....	0.0502	EA	50
KP84916.....	0.0147	EA	100
KP84920.....	0.0189	EA	100
KP84933.....	0.0216	EA	100
KP84937.....	0.0757	EA	50
KP84938.....	0.0813	EA	50
KP84959.....	0.0235	EA	100
KP84960.....	0.0260	EA	100
KP84964.....	0.0235	EA	100
KP84966.....	0.0260	EA	100
KP84968.....	0.0439	EA	100
KP84969.....	0.0480	EA	100
KP84970.....	0.0500	EA	100
KP84972.....	0.0542	EA	50
KP84991.....	25.1220	EA	1
KP84992.....	40.7570	EA	1
KP84999-1.....	7.2141	EA	1
KP85035S.....	0.2057	EA	25
KP85036S.....	0.9141	EA	25
KP85038-1.....	0.0047	EA	50
KP85038-2.....	0.1199	EA	1000

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP85038-25.....	0.1739	EA	50
KP85038-2S.....	0.1294	EA	250
KP85038.....	0.1237	EA	100
KP85038S.....	0.0179	EA	100
KP85039-1.....	0.3788	EA	100
KP85039-2.....	0.3159	EA	200
KP85039-25.....	0.4736	EA	100
KP85039.....	0.3355	EA	100
KP8505.....	11.6176	EA	1
KP8506.....	20.7124	EA	1
KP85073.....	0.0320	EA	100
KP85075.....	0.0575	EA	50
KP85078.....	0.0320	EA	100
KP85079.....	0.0575	EA	50
KP8508.....	26.4788	EA	1
KP8510.....	37.6830	EA	1
KP85117.....	0.0175	EA	100
KP85118.....	0.0190	EA	100
KP85119.....	0.0220	EA	100
KP85122.....	0.0252	EA	100
KP85123.....	0.0279	EA	100
KP85125.....	0.0510	EA	50
KP85126.....	0.0260	EA	100
KP85127.....	0.0286	EA	100
KP85128.....	0.0328	EA	100
KP85129.....	0.0375	EA	50
KP85130.....	0.0529	EA	50
KP85131.....	0.0260	EA	100
KP85132.....	0.0286	EA	100
KP85133.....	0.0328	EA	100
KP85134.....	0.0375	EA	50
KP85135.....	0.0529	EA	50
KP85245.....	13.4514	EA	1
KP85246.....	2.3108	EA	1
KP85414.....	0.0263	EA	100
KP85415.....	0.0298	EA	100
KP85416.....	0.0331	EA	100
KP85432.....	0.0606	EA	100
KP85493.....	0.2282	EA	25
KP85566.....	0.0220	EA	100
KP85568.....	0.0339	EA	100
KP85570.....	0.0277	EA	100
KP85571.....	0.0248	EA	100
KP85794.....	29.0652	EA	1
KP85857.....	0.0189	EA	100
KP85865.....	0.0420	EA	100
KP85914.....	1.3992	EA	10
KP85915.....	1.3992	EA	10
KP86001.....	71.2108	EA	1
KP86066.....	1.0812	EA	10
KP86067.....	1.1130	EA	10
KP86069.....	1.0706	EA	10
KP86070.....	1.0706	EA	10
KP86071.....	1.0706	EA	10
KP86072.....	1.1660	EA	10
KP86075.....	1.0303	EA	10
KP86080.....	1.1554	EA	5
KP86081.....	1.1872	EA	5
KP86082.....	1.2508	EA	5
KP86092.....	1.1024	EA	10
KP86094.....	0.5922	EA	10
KP86113.....	10.7590	EA	1
KP86128.....	13.0380	EA	1
KP86131.....	15.2110	EA	1
KP86132.....	15.9212	EA	1
KP86134.....	18.1048	EA	1
KP86135.....	19.5570	EA	1
KP86138.....	23.1716	EA	1
KP86159-1.....	0.0550	EA	50
KP86159-2.....	0.0459	EA	250
KP86159.....	0.0459	EA	100
KP8616.....	153.5092	EA	1
KP86160-1.....	0.0778	EA	50
KP86160-2.....	0.0649	EA	250
KP86160.....	0.0649	EA	100
KP86161-1.....	0.1186	EA	50
KP86161-2.....	0.0987	EA	250
KP86161.....	0.0987	EA	100
KP86162-1.....	0.1506	EA	25
KP86162-2.....	0.1257	EA	100
KP86162.....	0.1257	EA	50
KP86163-1.....	0.2255	EA	25
KP86163-2.....	0.1891	EA	100
KP86163.....	0.1880	EA	50
KP86164-1.....	0.3226	EA	25
KP86164.....	0.2688	EA	50
KP86165-1.....	0.4783	EA	10
KP86165-2.....	0.3986	EA	100
KP86165.....	0.3986	EA	25
KP86166-1.....	0.7187	EA	10
KP86166.....	0.5990	EA	25
KP86167-1.....	1.1981	EA	10
KP86167.....	0.9984	EA	25
KP86168-1.....	2.1200	EA	10
KP86168.....	1.7808	EA	25
KP86169.....	0.0459	EA	100
KP86170-1.....	0.0771	EA	50
KP86170.....	0.0642	EA	100
KP86171-1.....	0.1186	EA	50
KP86171.....	0.0987	EA	100
KP86172-1.....	0.1506	EA	25
KP86172.....	0.1257	EA	50
KP86173-1.....	0.2256	EA	25
KP86173.....	0.1882	EA	50
KP86174.....	0.2688	EA	50
KP86175.....	0.3986	EA	25
KP86176.....	0.5990	EA	25
KP86177.....	0.9984	EA	25
KP86178.....	1.7808	EA	25
KP86180.....	0.0215	EA	100
KP86198.....	7.5366	EA	1
KP86200.....	113.3458	EA	1
KP86201.....	117.7978	EA	1
KP86202.....	133.3480	EA	1
KP86203.....	135.5740	EA	1
KP86204.....	162.2542	EA	1
KP86205.....	211.1414	EA	1
KP86207.....	6.6886	EA	10
KP86209.....	8.4906	EA	10
KP86218.....	18.7726	EA	4
KP86222.....	21.5286	EA	2
KP86227.....	3.5828	EA	1
KP86300.....	6.7734	EA	1
KP86306S.....	4.2347	EA	10
KP86309S.....	4.2347	EA	10
KP8631.....	2.6394	EA	1
KP86315S.....	5.7218	EA	10
KP86316S.....	5.1710	EA	10
KP86319S.....	5.1710	EA	10
KP8632.....	2.9044	EA	1
KP86324S.....	8.8031	EA	10
KP86326S.....	18.3449	EA	5
KP86328S.....	18.3449	EA	5
KP8633.....	2.9044	EA	1
KP86335.....	0.0960	EA	50
KP86336.....	0.0841	EA	50
KP8634.....	3.1588	EA	1
KP8635.....	3.1588	EA	1
KP86370.....	0.0215	EA	100
KP86371.....	0.0247	EA	100
KP86378.....	0.0679	EA	100
KP86379.....	0.0717	EA	100
KP86381.....	0.0364	EA	100
KP86382.....	0.0408	EA	100
KP86395.....	0.0314	EA	100
KP86396.....	0.0960	EA	100
KP86397.....	0.1276	EA	100
KP86398.....	1.5052	EA	10
KP8641.....	36.6760	EA	1
KP86416.....	0.2745	EA	25
KP8642.....	39.4320	EA	1
KP8644S.....	71.1245	EA	1
KP86491.....	0.9964	EA	20
KP86493.....	1.0494	EA	20
KP86495.....	1.2826	EA	20
KP86497.....	1.3992	EA	20
KP865.....	2.4062	EA	4
KP866.....	3.8266	EA	10
KP867.....	1.6430	EA	5
KP86712.....	0.1252	EA	100
KP86713.....	0.1409	EA	100
KP86714.....	0.1515	EA	100
KP86815.....	0.0259	EA	100
KP86829.....	0.0259	EA	100
KP86842.....	0.0110	EA	100
KP86853-2.....	19.2814	EA	4
KP86853.....	20.9880	EA	1
KP8685AS.....	4.8632	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP86869.....	0.3675	EA	50
KP86882.....	0.3427	EA	50
KP86888.....	0.5963	EA	25
KP86890.....	0.9813	EA	25
KP86911.....	0.2573	EA	25
KP86912.....	0.2573	EA	25
KP86913.....	0.2573	EA	25
KP86914.....	0.2573	EA	25
KP86915.....	0.2250	EA	25
KP86916.....	0.2250	EA	25
KP86917.....	0.2250	EA	25
KP86956.....	3.7630	EA	5
KP86961S.....	17.2640	BX	1
KP86962S.....	7.9723	CS	1
KP86979.....	1.2061	EA	20
KP86984.....	0.2713	EA	25
KP87084.....	0.4585	EA	50
KP87089.....	1.3779	EA	10
KP87163.....	0.0559	EA	100
KP87164.....	0.0552	EA	100
KP87165.....	0.0692	EA	100
KP87166.....	0.0787	EA	100
KP87167.....	0.1454	EA	100
KP87168.....	0.1787	EA	100
KP87169.....	0.1433	EA	100
KP87170.....	0.1609	EA	100
KP87171.....	0.1731	EA	100
KP87172.....	0.1908	EA	100
KP87173.....	0.2430	EA	100
KP87174.....	0.3424	EA	100
KP8728S.....	4.8438	EA	1
KP87321.....	0.2280	EA	100
KP87341.....	0.0935	EA	50
KP87342.....	0.0926	EA	50
KP87343.....	0.1041	EA	50
KP87345.....	0.1197	EA	50
KP87346.....	0.1582	EA	50
KP87347.....	0.1100	EA	50
KP87348.....	0.1355	EA	50
KP87349.....	0.1507	EA	50
KP87350.....	0.1586	EA	50
KP87351.....	0.1663	EA	50
KP87352.....	0.1819	EA	50
KP87436.....	0.1081	EA	50
KP87438.....	0.1353	EA	50
KP8743S.....	6.9142	EA	1
KP87449.....	0.1302	EA	50
KP8744S.....	6.9142	EA	1
KP87450.....	0.1442	EA	50
KP87453.....	0.1600	EA	50
KP87454.....	0.1959	EA	50
KP87464.....	0.0757	EA	50
KP8746S.....	10.3149	EA	1
KP8748S.....	33.9066	EA	1
KP8749S.....	17.6839	EA	1
KP87542.....	170.8932	EA	1
KP8754S.....	61.6896	EA	1
KP8755S.....	27.6566	EA	1
KP87594.....	0.7314	EA	10
KP87595.....	0.7314	EA	10
KP87596.....	0.7314	EA	10
KP87597.....	0.7314	EA	10
KP87598.....	0.7314	EA	10
KP87599.....	0.7314	EA	10
KP8759S.....	37.6456	EA	1
KP87600.....	0.7314	EA	10
KP87601.....	0.8056	EA	10
KP87602.....	0.7950	EA	10
KP87603.....	0.8480	EA	10
KP87604.....	0.8480	EA	10
KP87605.....	0.8480	EA	10
KP87606.....	0.8480	EA	10
KP8761.....	59.5402	EA	1
KP87610.....	6.7946	EA	2
KP87611.....	6.7946	EA	2
KP87612.....	6.7946	EA	2
KP8762.....	59.5402	EA	1
KP87660.....	9.4446	EA	2
KP87661.....	10.1018	EA	2
KP87662.....	12.7624	EA	1
KP87664.....	9.4764	EA	1
KP87674.....	0.3816	EA	10
KP87685.....	23.4790	EA	1
KP87696.....	21.1576	EA	1
KP87704.....	13.2606	EA	1
KP87705.....	13.2606	EA	1
KP87706.....	13.2606	EA	1
KP87707.....	13.2606	EA	1
KP8788S.....	15.8371	EA	1
KP88387.....	1.0129	EA	25
KP88388.....	0.0742	EA	25
KP88390.....	0.2316	EA	25
KP88410.....	0.3016	EA	25
KP88411.....	0.4975	EA	25
KP88426.....	2.9468	EA	10
KP88435.....	1.1024	EA	20
KP88436.....	1.6006	EA	20
KP88437.....	2.2048	EA	10
KP88438.....	3.7100	EA	10
KP88457.....	0.0760	EA	100
KP88458.....	0.0569	EA	100
KP88459.....	0.0525	EA	100
KP88460.....	0.1345	EA	100
KP88484.....	9.9386	EA	4
KP88486.....	4.4520	EA	4
KP88488.....	16.2970	EA	4
KP88506.....	8.0984	EA	4
KP88507.....	10.2608	EA	4
KP88509.....	17.9034	EA	2
KP88510.....	8.7132	EA	4
KP88511.....	13.4726	EA	4
KP88512.....	8.8828	EA	4
KP88513.....	10.2820	EA	4
KP88514.....	10.5364	EA	4
KP88516.....	10.2608	EA	5
KP88517.....	10.5152	EA	5
KP88518.....	10.5788	EA	4
KP88519.....	11.7130	EA	5
KP88521.....	9.1160	EA	4
KP88522.....	10.2820	EA	4
KP88523.....	17.9034	EA	2
KP88534.....	67.2951	EA	1
KP88541.....	160.2296	EA	1
KP88542.....	199.6298	EA	1
KP88543.....	254.3788	EA	1
KP8871.....	14.9672	EA	1
KP8872.....	21.9632	EA	1
KP88744.....	0.0275	EA	100
KP88769.....	0.2090	EA	25
KP88770.....	0.1351	EA	50
KP88771.....	0.0522	EA	100
KP88773.....	0.0605	EA	100
KP88774.....	0.0672	EA	100
KP88784.....	0.3610	EA	100
KP88806.....	0.8697	EA	50
KP88813.....	1.7808	EA	25
KP88814.....	2.0776	EA	10
KP88816.....	2.8196	EA	5
KP8884.....	12.3702	EA	1
KP88870.....	0.4889	EA	25
KP88871.....	0.6936	EA	25
KP88873.....	0.2822	EA	25
KP88926.....	0.2195	EA	25
KP88927.....	0.2667	EA	25
KP88928.....	0.0507	EA	100
KP88929.....	0.0507	EA	100
KP88936.....	0.0507	EA	100
KP88937.....	0.0507	EA	100
KP88942.....	0.0498	EA	100
KP88943.....	0.0498	EA	100
KP88944.....	0.0701	EA	100
KP88946.....	0.0524	EA	100
KP88947.....	0.0524	EA	100
KP88948.....	0.0524	EA	100
KP88951.....	0.0619	EA	100
KP88956.....	0.0619	EA	100
KP88957.....	0.0482	EA	100
KP88958.....	0.0482	EA	100
KP88959.....	0.1753	EA	100
KP88961.....	0.0687	EA	100
KP88964.....	0.0871	EA	100
KP88965.....	0.0871	EA	100
KP88997.....	0.1237	EA	100
KP88998.....	0.1237	EA	100
KP89013.....	0.1273	EA	100
KP89018.....	0.1490	EA	100
KP89026.....	0.1562	EA	100
KP89035.....	0.1858	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP89062	2.1730	EA	2
KP89063	2.4168	EA	2
KP89064	3.2754	EA	1
KP89065	4.6322	EA	1
KP89066	7.3988	EA	1
KP89115S	30.9263	EA	1
KP89550	1.5158	EA	10
KP89551	0.8586	EA	25
KP89603	0.1981	EA	100
KP89627	0.2328	EA	100
KP89630	11.6070	EA	1
KP89663	19.1224	EA	1
KP89670S	4.4395	EA	1
KP89714	132.1184	EA	1
KP89715	144.4674	EA	1
KP89716	182.7440	EA	1
KP89717	250.6688	EA	1
KP89718	344.5106	EA	1
KP89726-1	3.8054	EA	1
KP89726	3.3920	EA	6
KP89732S	4.5858	EA	1
KP89739S	5.6375	EA	6
KP89740-1	6.9218	EA	1
KP89740	6.2858	EA	6
KP89741	1.0494	EA	10
KP89914	4.7064	EA	1
KP89927S	20.4620	EA	1
KP89941	4.9290	EA	1
KP9008	0.2666	EA	100
KP9033	0.2582	EA	50
KP9053	0.3590	EA	100
KP9054	0.4425	EA	100
KP9087	43.5766	EA	1
KP9096	35.2618	EA	1
KP9097	16.2392	EA	1
KP92344	20.0601	EA	1
KP926S	3.7552	EA	1
KP927S	4.4939	EA	1
KP928S	4.4939	EA	1
KP92912	0.6429	EA	10
KP93021	1.1651	EA	1
KP9327	12.2430	EA	1
KP9328	12.2430	EA	1
KP9329	12.4020	EA	1
KP9330	12.4020	EA	1
KP9338	1.7808	EA	10
KP9341S	0.5035	EA	10
KP935	0.0689	EA	100
KP936	0.0697	EA	100
KP937	0.0713	EA	100
KP938	0.0886	EA	100
KP939	0.1333	EA	100
KP940	0.1764	EA	50
KP941	0.2974	EA	50
KP9414	0.4928	EA	25
KP9460	2.3002	EA	1
KP9461	1.4628	EA	1
KP9462	1.8550	EA	1
KP9465	1.3356	EA	1
KP9466	1.6006	EA	1
KP9469	1.4628	EA	1
KP9472	1.4628	EA	1
KP9482	1.3568	EA	1
KP9483	1.3568	EA	1
KP9498	1.3356	EA	1
KP9504	0.9964	EA	1
KP9505	0.9964	EA	1
KP9506	0.9964	EA	1
KP9508	0.9964	EA	1
KP9525	1.0413	EA	1
KP9530	1.1236	EA	1
KP9534	1.2296	EA	1
KP9543	1.0176	EA	1
KP95477-99	74.1470	EA	1
KP955-1	10.4304	EA	1
KP9556	1.6960	EA	1
KP9558	2.1412	EA	1
KP956	0.0613	EA	500
KP960	12.2748	EA	1
KP961	11.2360	EA	1
KP966	0.0700	EA	500
KP9679	18.2320	EA	1
KP9680	28.0794	EA	1
KP9688	5.1622	EA	4
KP9694	6.6038	EA	4
KP9721	100.2866	EA	1
KP9722	126.3944	EA	1
KP9730-1	3.4344	EA	5
KP9733	5.7240	EA	1
KP9734	8.4588	EA	1
KP9735	6.9536	EA	1
KP9736	8.4588	EA	1
KP9737	1.1554	EA	2
KP9738	2.4486	EA	2
KP9739	1.1872	EA	2
KP9740	2.1836	EA	2
KP9745	68.0838	EA	1
KP9746	3.6252	EA	5
KP9747S	5.0933	EA	5
KP9763S	3.7681	EA	6
KP9764S	3.9366	EA	6
KP9765S	4.0338	EA	6
KP9766S	5.0512	EA	6
KP9768	12.2218	EA	6
KP9769S	0.3536	EA	25
KP9771	0.7175	EA	25
KP9776S	0.8489	EA	25
KP9781S	85.4971	EA	1
KP9782S	7.7319	EA	10
KP9799-9S	5.7704	EA	1
KP9802S	0.7720	EA	10
KP9817	0.8957	EA	25
KP9818	1.0041	EA	25
KP9819	1.2376	EA	25
KP9820	1.7792	EA	25
KP9821	2.0122	EA	25
KP9822	2.1469	EA	25
KP9823	2.5050	EA	25
KP9824	3.1775	EA	25
KP9825	3.5820	EA	10
KP9826	4.4048	EA	10
KP9827	4.9719	EA	10
KP9828	0.3713	EA	25
KP9850S	0.3940	EA	50
KP9863	0.0648	EA	50
KP9899	9.5718	EA	1
KP99003-52B	20.3918	EA	1
KP99007S	67.9622	EA	1
KP99008	14.7446	EA	1
KP99009S	103.4273	EA	1
KP99011	0.3392	EA	50
KP99016	56.9644	EA	1
KP99018	54.7808	EA	1
KP99020B	39.8030	EA	1
KP99031	21.9102	EA	1
KP99036S	28.5898	EA	1
KP99048	19.4510	EA	1
KP99050S	96.8242	EA	1
KP99053	23.5956	EA	1
KP99057S	111.3186	EA	1
KP99063	16.3346	EA	1
KP99064	46.3750	EA	1
KP99065	0.3286	EA	12
KP9907	0.0708	EA	50
KP99070	67.6810	EA	1
KP99072	72.1330	EA	1
KP99073S	34.0070	EA	1
KP99081S	124.8566	EA	1
KP99082	14.2570	EA	1
KP99083	20.5958	EA	1
KP99085S	30.4690	EA	1
KP99091	73.9032	EA	1
KP99096	6.1162	EA	1
KP99097	81.0688	EA	1
KP99099	26.7544	EA	1
KP991	75.0586	EA	1
KP99101	15.3912	EA	1
KP99101B	26.8330	EA	1
KP99102	15.3912	EA	1
KP99102B	30.5338	EA	1
KP99103	0.3074	EA	12
KP99103B	5.9055	EA	1
KP99104	45.4528	EA	1
KP99105	6.7522	EA	1
KP99106	41.5732	EA	1
KP99107	6.1162	EA	1
KP99109S	73.4443	EA	1
KP99111S	107.6328	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
KP99112S.....	130.0666	EA	1
KP99114.....	60.2822	EA	1
KP99114B.....	65.4322	EA	1
KP99115B.....	66.0380	EA	1
KP99118.....	16.6844	EA	1
KP99122S.....	77.7341	EA	1
KP99124.....	33.0190	EA	1
KP99125.....	19.9492	EA	1
KP99127.....	21.0834	EA	1
KP99127B.....	32.1893	EA	1
KP99130.....	92.7818	EA	1
KP99130B.....	146.7176	EA	1
KP99131.....	21.6346	EA	1
KP99141.....	194.0000	EA	1
KP99143.....	35.3828	EA	1
KP99144.....	2.6924	EA	1
KP99145.....	6.2540	EA	1
KP99146.....	0.9959	EA	1
KP99147.....	1.9017	EA	1
KP99148.....	1.7530	EA	1
KP99149.....	3.2253	EA	1
KP99150.....	2.4000	EA	1
KP99157.....	72.9714	EA	1
KP99159.....	10.3286	EA	1
KP9916.....	4.4944	EA	6
KP992.....	43.5766	EA	1
KP9920.....	0.1343	EA	50
KP993.....	43.5766	EA	1
KP9932-1.....	3.3072	EA	1
KP9933S.....	0.5790	EA	10
KP994.....	33.4536	EA	1
KP9956.....	0.1289	EA	50
KP996.....	76.1822	EA	1
KP997.....	43.5766	EA	1
KP99796.....	14.4690	EA	1
KP99806.....	29.5210	EA	1
KP99807.....	33.0614	EA	1
KP999.....	188.6376	EA	1
KW-1.....	0.3710	EA	10
KW-10.....	0.3710	EA	10
KW-2.....	0.8343	EA	10
KW-4.....	0.1795	EA	10
KW-5.....	0.4982	EA	10
L-1.....	0.3710	EA	10
L-4.....	0.3684	EA	10
L25S-10-.....	6.1541	EA	10
L25S-100-.....	27.5598	EA	5
L25S-125-.....	27.5598	EA	5
L25S-15-.....	6.1541	EA	10
L25S-150-.....	29.2752	EA	5
L25S-20-.....	6.1541	EA	10
L25S-200-.....	29.2752	EA	5
L25S-25-.....	6.1541	EA	10
L25S-250-.....	33.8971	EA	5
L25S-30-.....	6.1541	EA	10
L25S-300-.....	33.8971	EA	5
L25S-35-.....	21.3721	EA	5
L25S-350-.....	33.8971	EA	5
L25S-40-.....	21.3721	EA	10
L25S-400-.....	34.3024	EA	5
L25S-5-.....	6.1541	EA	10
L25S-50-.....	21.3721	EA	5
L25S-500-.....	36.0310	EA	5
L25S-60-.....	21.3721	EA	5
L25S-600-.....	36.0310	EA	5
L25S-70-.....	27.5598	EA	5
L25S-80-.....	27.5598	EA	5
L50S-10-.....	10.5467	EA	10
L50S-100-.....	20.3179	EA	5
L50S-125-.....	31.1082	EA	1
L50S-15-.....	10.8606	EA	10
L50S-150-.....	31.1082	EA	1
L50S-175-.....	31.1082	EA	1
L50S-200-.....	31.1082	EA	1
L50S-250-.....	41.5279	EA	1
L50S-30-.....	10.5467	EA	10
L50S-300-.....	41.5279	EA	1
L50S-35-.....	16.6958	EA	5
L50S-40-.....	16.6958	EA	5
L50S-400-.....	41.5279	EA	1
L50S-50-.....	16.6958	EA	5
L50S-500-.....	58.7036	EA	1
L50S-60-.....	16.6958	EA	5
L50S-600-.....	58.7036	EA	1
L50S-70-.....	20.3179	EA	5
L50S-80-.....	20.3179	EA	5
L50S-800-.....	105.2235	EA	1
L70S-10-.....	13.2361	EA	10
L70S-100-.....	32.3379	EA	5
L70S-125-.....	43.5816	EA	1
L70S-15-.....	13.2361	EA	10
L70S-150-.....	43.5816	EA	1
L70S-175-.....	43.5816	EA	1
L70S-200-.....	43.5816	EA	1
L70S-25-.....	13.2361	EA	10
L70S-30-.....	13.2361	EA	10
L70S-35-.....	26.4246	EA	5
L70S-40-.....	25.1477	EA	5
L70S-400-.....	70.7323	EA	1
L70S-50-.....	25.1477	EA	5
L70S-70-.....	32.3379	EA	5
L70S-90-.....	32.3379	EA	5
LED-8367-R.....	97.3578	EA	1
LED-8454-R.....	18.9463	EA	1
LED-8454-Y.....	21.6869	EA	1
LED-8523-R.....	68.1049	EA	1
LED-8763-R.....	17.1000	EA	1
LED-8763-Y.....	19.8694	EA	1
LED-8768-Y.....	21.7735	EA	1
LED-8776-R.....	71.9995	EA	1
LED-8776-Y.....	124.1873	EA	1
LED-8777-R.....	71.8553	EA	1
LED-8777-Y.....	125.4656	EA	1
LFR-100050.....	46.4653	RL	1
LFR-25250.....	73.9227	EA	1
LFR-38250.....	79.1937	EA	1
LFR-50150.....	62.9673	EA	1
LFR-63125.....	65.9990	EA	1
LFR-75100.....	60.0045	EA	1
LG1002.....	3.5346	EA	1
LG1003.....	5.2364	EA	1
LG1005.....	3.9927	EA	1
LG1006.....	5.0986	EA	5
LG1007.....	5.3673	EA	1
LG1009.....	3.6818	EA	10
LG1010.....	8.3209	EA	10
LG1011.....	8.7627	EA	10
LG1013.....	4.4182	EA	10
LG1014.....	3.3899	EA	10
LG1015.....	4.9705	EA	10
LG1016.....	2.4033	EA	10
LG1017.....	7.8791	EA	10
LG1018.....	5.0401	EA	10
LG1019.....	5.1382	EA	1
LG1020.....	8.2473	EA	1
LG1021.....	5.0143	EA	2
LG1022.....	9.5914	EA	1
LG1023.....	1.0800	EA	5
LG1025.....	5.7086	EA	5
LG1026.....	6.6343	EA	2
LG1030.....	8.4343	EA	1
LG1031.....	2.7767	EA	5
LG1032.....	3.4533	EA	5
LG1033.....	3.6167	EA	5
LG1034.....	4.2000	EA	5
LG1035.....	1.8144	EA	5
LG1036.....	8.9600	EA	2
LG1037.....	9.0533	EA	2
LG1038.....	9.1651	EA	5
LG1041.....	7.8633	EA	5
LG1042.....	8.4884	EA	5
LG1043.....	10.4300	EA	2
LG1044.....	11.1718	EA	5
LG1047.....	10.5000	EA	5
LLSRK.100ID.....	13.2156	EA	10
LLSRK.150ID.....	13.4189	EA	10
LLSRK.200ID.....	13.2156	EA	10
LLSRK.250ID.....	13.2156	EA	10
LLSRK.300ID.....	13.4189	EA	10
LLSRK.400ID.....	13.2156	EA	10
LLSRK.500ID.....	12.4023	EA	10
LLSRK.600ID.....	12.4023	EA	10
LLSRK.800ID.....	12.4023	EA	10
LLSRK001ID.....	13.7788	EA	10
LLSRK002ID.....	13.7788	EA	10
LLSRK003ID.....	13.7788	EA	10
LLSRK004ID.....	13.7788	EA	10
LLSRK005ID.....	13.7788	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
LLSRK006ID.....	13.7788	EA	10
LLSRK007ID.....	13.7788	EA	10
LLSRK008ID.....	13.7788	EA	10
LLSRK009ID.....	9.6321	EA	10
LLSRK01.4ID.....	12.6310	EA	10
LLSRK01.6ID.....	13.7788	EA	10
LLSRK01.8ID.....	11.7161	EA	10
LLSRK010ID.....	14.6174	EA	10
LLSRK012ID.....	13.7788	EA	10
LLSRK015ID.....	14.6174	EA	10
LLSRK02.5ID.....	13.7788	EA	10
LLSRK02.8ID.....	10.9283	EA	10
LLSRK020ID.....	14.6174	EA	10
LLSRK025ID.....	14.6174	EA	10
LLSRK03.2ID.....	9.6321	EA	10
LLSRK03.5ID.....	13.7788	EA	10
LLSRK030ID.....	14.6174	EA	10
LLSRK035ID.....	17.8008	EA	10
LLSRK04.5ID.....	10.3437	EA	10
LLSRK040ID.....	17.8008	EA	10
LLSRK045ID.....	13.9780	EA	10
LLSRK05.6ID.....	13.7788	EA	10
LLSRK050ID.....	17.8008	EA	10
LLSRK060ID.....	17.8008	EA	10
LLSRK07.5ID.....	9.6321	EA	10
LLSRK070ID.....	36.2956	EA	5
LLSRK075ID.....	28.9218	EA	5
LLSRK080ID.....	36.2956	EA	5
LLSRK090ID.....	28.9218	EA	5
LLSRK1.12ID.....	12.6310	EA	10
LLSRK1.25ID.....	13.7788	EA	10
LLSRK100ID.....	36.2956	EA	5
LLSRK110ID.....	57.8181	EA	1
LLSRK125ID.....	74.1373	EA	1
LLSRK17.5ID.....	13.7788	EA	10
LLSRK2.25ID.....	13.7788	EA	10
LLSRK6.25ID.....	13.7788	EA	10
LOC123.....	132.4300	EA	1
LOC19266.....	238.3886	EA	1
LOC20419.....	29.5427	EA	1
LOC27240.....	38.9324	EA	1
LOC29041.....	141.1847	EA	1
LOC32526.....	16.6981	EA	1
LOC33947.....	41.3364	EA	1
LOC36781.....	5.6670	EA	1
LOC36782-1.....	10.4900	EA	1
LOC36782.....	10.3453	EA	12
LOC36786-1.....	7.6221	EA	1
LOC36786.....	10.0952	EA	12
LOC37087.....	42.1244	EA	1
LOC37127.....	14.0768	EA	1
LOC37229.....	6.2858	EA	1
LOC37230.....	6.2858	EA	1
LOC37684.....	14.9354	EA	1
LOC37685.....	14.9354	EA	1
LOC37686.....	42.1244	EA	1
LOC38050.....	32.7436	EA	1
LOC40140.....	22.2790	EA	1
LOC42540.....	22.5125	EA	1
LOC43050.....	22.0935	EA	1
LOC51084.....	33.2064	EA	1
LOC68035.....	45.2139	EA	1
LOC82481.....	12.6798	EA	1
LOC96321.....	47.6145	EA	1
LOC96583.....	60.9778	EA	1
LPF-1.....	43.3752	EA	1
LT-30.....	53.3611	EA	1
LTC-100050.....	39.6785	EA	1
LTC-25250.....	44.7850	EA	1
LTC-35250.....	45.2620	EA	1
LTC-50150.....	48.1770	EA	1
LTC-63125.....	46.5776	EA	1
LTC-75100.....	45.1131	EA	1
LU-150-55.....	32.8176	EA	1
LU100.....	32.8176	EA	1
LU100D-MED.....	43.4542	EA	1
LU150-MED.....	31.4290	EA	1
LU150D-MED.....	46.6765	EA	6
LU250.....	35.5736	EA	1
LU35-MED.....	37.5768	EA	1
LU35D-MED.....	46.6765	EA	1
LU400.....	35.5736	EA	1
LU50-MED.....	37.5768	EA	1
LU50.....	39.1931	EA	6
LU50D-MED.....	46.6765	EA	6
LU70-MED.....	37.7094	EA	1
LU70.....	31.4290	EA	1
LU70D-MED.....	42.9202	EA	6
M-1.....	0.3816	EA	10
M-10.....	0.4346	EA	10
M-11.....	0.4346	EA	10
M-12.....	0.4346	EA	10
M-13.....	0.4346	EA	10
M-14.....	0.6042	EA	10
M-15.....	0.3684	EA	10
M-16.....	0.3710	EA	10
M-2.....	0.4346	EA	10
M-3.....	0.4982	EA	10
M-4.....	0.4346	EA	10
MCG-150-CA.....	61.6004	EA	1
MCG-151-CA.....	48.0983	EA	1
MCG-160-P.....	33.3576	EA	1
MCG-161-C.....	48.7465	EA	1
MCG-7025-RIG....	44.2160	EA	1
MCG-7050-RIG....	70.7586	EA	1
MD-17.....	0.3710	EA	10
MEM1220DX.....	0.9879	PR	12
MEM1717.....	7.3592	PR	12
MEM1966L.....	7.2349	PR	6
MEM3100L.....	3.3602	PR	6
MEM3100M.....	3.3602	PR	6
MEM3100S.....	3.2897	PR	6
MEM3100XL.....	3.8054	PR	6
MEM3150L.....	4.0810	PR	6
MEM3150XL.....	3.6994	PR	6
MEM3201L.....	5.8333	PR	12
MEM3201M.....	5.8333	PR	12
MEM3201XL.....	5.8333	PR	12
MEM3401L.....	3.0952	PR	6
MEM3401M.....	3.0952	PR	6
MEM3401S.....	3.4026	PR	6
MEM3401XL.....	3.5828	PR	6
MEM4150.....	17.9670	PR	1
MEM4320.....	17.3416	PR	1
MEM4500.....	40.9902	PR	12
MEM4909.....	17.5975	PR	1
MEM4984L.....	28.0794	PR	1
MEM5015L.....	6.8915	BX	1
MEM5015M.....	6.8915	BX	1
MEM5015S.....	6.8915	BX	1
MEM5015XL.....	38.1494	BX	1
MEM5020L.....	31.1004	BX	1
MEM5020M.....	44.4882	BX	1
MEM5020S.....	5.5349	BX	1
MEM5020XL.....	44.4882	BX	1
MEM5040L.....	0.8248	EA	1
MEM5040M.....	0.8248	EA	1
MEM5040S.....	0.8248	EA	1
MEM5055L.....	9.9322	BX	1
MEM5055M.....	9.9322	BX	1
MEM5055S.....	9.9322	BX	1
MEM5055XL.....	9.9322	BX	1
MEM5060L.....	6.2328	BX	1
MEM5060M.....	6.5720	BX	1
MEM5060S.....	5.8660	BX	1
MEM5060XL.....	5.8660	BX	1
MEM5080E.....	0.7866	PR	12
MEM5090E.....	0.7866	PR	12
MEM5280.....	0.7437	PR	12
MEM5290.....	0.7437	PR	12
MEM5309.....	2.0034	PR	12
MEM5310.....	2.0034	PR	12
MEM5318.....	1.8404	PR	12
MEM5319.....	1.8404	PR	12
MEM5320.....	2.2896	PR	12
MEM5321.....	1.9510	PR	12
MEM5400S.....	1.8515	PR	12
MEM5407S.....	1.8515	PR	12
MEM5408S.....	1.8515	PR	12
MEM5409S.....	1.8515	PR	12
MEM6015L.....	15.3488	BX	1
MEM6015M.....	14.2374	BX	1
MEM6015S.....	14.2374	BX	1
MEM6015XL.....	15.3488	BX	1
MEM6020L.....	13.4726	BX	1
MEM6020M.....	13.4832	BX	1
MEM6020S.....	12.7141	BX	1
MEM6020XL.....	13.4726	BX	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MEM6025L.....	20.2142	BX	1
MEM6025M.....	16.4961	BX	1
MEM6025S.....	16.4961	BX	1
MEM6025XL.....	20.2142	BX	1
MEM6100.....	1.1130	PR	12
MEM6212.....	1.5264	PR	12
MEM6212R.....	1.8974	PR	12
MEM6414.....	3.6061	PR	12
MEM6710F.....	6.9072	PR	6
MEM6820.....	10.9074	PR	1
MEM6830.....	2.3047	PR	12
MEM6912L.....	10.1336	PR	12
MEM6912XL.....	7.2928	PR	12
MEM6914L.....	8.0036	PR	12
MEM6944.....	14.4070	PR	1
MEM7100.....	2.4274	PR	12
MEM7102.....	2.1200	PR	12
MEM7810.....	0.8544	PR	12
MEM7812.....	0.8544	PR	12
MEM8526C.....	2.2366	PR	12
MEM8800.....	1.0918	PR	12
MEM8802.....	0.7754	PR	12
MEM9124K.....	8.7768	PR	12
MEM9132K.....	2.0392	PR	12
MEM9366L.....	6.5792	PR	12
MEM9366S.....	6.5792	PR	12
MEM9369L.....	5.1434	PR	12
MEM9369M.....	5.1434	PR	12
MEM9369S.....	5.1434	PR	12
MEM9369XL.....	5.7655	PR	12
MEM9370L.....	6.1383	PR	12
MEM9370M.....	6.1383	PR	12
MEM9370S.....	6.1383	PR	12
MEM9370XL.....	6.8055	PR	12
MEM9374.....	4.0334	PR	12
MEM9374T.....	4.4404	PR	12
MEM9375L.....	8.9760	PR	12
MEM9375M.....	8.9760	PR	12
MEM9375S.....	8.9760	PR	12
MEM9378.....	4.8202	PR	12
MEM9378T.....	5.2272	PR	12
MEM9400KM.....	1.1870	PR	6
MEM9402KM.....	1.1870	PR	6
MEM9507LM.....	0.7098	PR	12
MEM9507SM.....	0.7098	PR	12
MEM9510LM.....	1.3886	PR	12
MEM9510SM.....	0.5991	PR	12
MEM9636LM.....	0.4542	PR	12
MEM9636SM.....	0.4542	PR	12
MEM9637L.....	0.7738	PR	12
MEM9637S.....	0.3888	PR	12
MEM9650LMB.....	0.9993	PR	6
MEM9650SMB.....	0.9993	PR	6
MEM9657L.....	1.1448	PR	12
MEM9657S.....	1.1024	PR	12
MEM9675LM.....	1.1417	PR	12
MEM9675SM.....	1.1417	PR	12
MEM9680L.....	5.4908	PR	12
MEM9680S.....	5.4908	PR	12
MEM9683L.....	4.5896	PR	12
MEM9683M.....	5.6074	PR	12
MEM9683S.....	4.5896	PR	12
MEM9683XL.....	4.5896	PR	12
MEM9687L.....	12.0622	PR	1
MEM9687S.....	12.0622	PR	1
MEM9688L.....	2.4592	PR	12
MEM9688M.....	2.4592	PR	12
MEM9688S.....	2.3852	PR	12
MEM9688XL.....	2.4592	PR	12
MEM9700L.....	2.4687	PR	12
MEM9700S.....	2.4687	PR	12
MEM9761.....	5.0456	PR	12
MEM9780L.....	3.1538	PR	12
MEM9780M.....	3.9114	PR	12
MEM9780S.....	3.1538	PR	12
MEM9780XL.....	3.1538	PR	12
MF-300-M.....	13.7488	EA	1
MF-300-S.....	13.7488	EA	1
MF-300-XL.....	13.7488	EA	1
MIN25125.....	3.6688	EA	1
MIN25164.....	4.5719	EA	1
MIN25184.....	18.6826	EA	1
ML3BLU.....	6.0490	EA	6
MLD6400.....	70.1627	BX	1
MLD6405.....	97.1588	BX	1
MLD6604.....	43.3752	BX	1
MLD6644.....	56.1694	BX	1
MLD6654.....	47.3290	BX	1
MLD6800.....	43.3752	BX	1
MLD6900.....	48.4526	BX	1
MP100.....	0.6871	EA	10
MP1016.....	0.5235	EA	25
MP10176.....	17.3729	EA	1
MP10177.....	17.8101	EA	1
MP10178.....	23.1255	EA	1
MP10183.....	22.6361	EA	1
MP10184.....	22.9933	EA	1
MP10185.....	28.5519	EA	1
MP10188.....	21.0065	EA	1
MP10189.....	22.8370	EA	1
MP10190.....	23.0380	EA	1
MP10191.....	29.1769	EA	1
MP10194.....	10.1504	EA	2
MP10195.....	11.2168	EA	2
MP10196.....	11.2168	EA	2
MP10197.....	5.8830	EA	2
MP10198.....	21.6831	EA	1
MP10199.....	27.7259	EA	1
MP10204.....	2.6309	EA	5
MP10205.....	2.5888	EA	5
MP10206.....	2.9466	EA	5
MP10209-1.....	9.0083	EA	2
MP10209-2.....	7.9980	EA	2
MP10209.....	3.3255	EA	5
MP10210.....	5.9985	EA	2
MP10211.....	9.0504	EA	2
MP10212.....	20.5212	EA	1
MP10221.....	5.6710	EA	2
MP10222.....	10.7153	EA	1
MP10223.....	30.1403	EA	1
MP10224-1.....	10.5271	EA	2
MP10224-2.....	13.7692	EA	2
MP10224-3.....	17.6473	EA	1
MP10224-4.....	12.5570	EA	1
MP10224-5.....	11.1632	EA	1
MP10224-6.....	28.0330	EA	1
MP10224-7.....	49.4361	EA	1
MP10224.....	10.8376	EA	2
MP10225.....	3.1974	EA	5
MP10229.....	3.7630	EA	5
MP10231.....	4.8940	EA	2
MP10232.....	4.4626	EA	2
MP10233.....	7.9712	EA	2
MP10234.....	8.1349	EA	2
MP10235.....	9.4764	EA	2
MP10236.....	11.9414	EA	2
MP10237.....	29.1466	EA	1
MP10238-1.....	21.6038	EA	1
MP10238-2.....	19.3783	EA	1
MP10238-3.....	23.9666	EA	1
MP10238-4.....	38.4186	EA	1
MP10238-5.....	38.9956	EA	1
MP10238.....	16.1774	EA	1
MP10239.....	8.3394	EA	2
MP10240.....	9.0709	EA	2
MP10241.....	11.1680	EA	2
MP10242.....	18.9466	EA	1
MP10243.....	29.4806	EA	1
MP10245.....	9.0465	EA	2
MP10246.....	9.1685	EA	2
MP10247.....	10.8266	EA	2
MP10248.....	20.1170	EA	1
MP10249.....	35.4059	EA	1
MP10251.....	5.7217	EA	2
MP10252.....	5.5053	EA	2
MP10253.....	5.5053	EA	2
MP10254.....	8.1017	EA	2
MP10255.....	13.0301	EA	1
MP10256.....	13.4388	EA	1
MP1026.....	0.3397	EA	25
MP10260.....	6.7259	EA	2
MP10261.....	6.9238	EA	2
MP10262.....	6.2424	EA	2
MP10263.....	8.6602	EA	2
MP10265.....	6.0885	EA	2
MP10266.....	8.1828	EA	2
MP10267.....	8.0241	EA	2
MP10268.....	8.9081	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP10270.....	6.5508	EA	2
MP10271.....	8.0468	EA	2
MP10272.....	7.1175	EA	2
MP10273.....	9.2255	EA	2
MP10275.....	8.5283	EA	2
MP10276.....	7.3623	EA	2
MP10277.....	8.5283	EA	2
MP10278.....	13.8918	EA	2
MP10285.....	6.8327	EA	2
MP10286.....	9.5974	EA	2
MP10287.....	8.4482	EA	2
MP10288.....	23.5789	EA	1
MP10289.....	42.6552	EA	1
MP10291.....	8.3250	EA	2
MP10294.....	6.9512	EA	2
MP10295.....	8.5173	EA	2
MP10296.....	8.8745	EA	2
MP10297.....	12.6034	EA	2
MP10298.....	20.5240	EA	1
MP10299.....	35.5804	EA	1
MP1036.....	0.0649	EA	25
MP103647.....	0.5703	EA	5
MP1042.....	0.6571	EA	5
MP1043.....	2.8408	EA	5
MP1045.....	0.5925	EA	20
MP1046.....	0.1560	EA	20
MP10461.....	12.9230	EA	2
MP10464.....	20.3165	EA	1
MP1047.....	0.1764	EA	20
MP10470.....	10.3005	EA	2
MP10471.....	8.3415	EA	2
MP10472.....	8.7838	EA	2
MP10473.....	9.1314	EA	2
MP10474.....	11.9119	EA	2
MP10475.....	18.7683	EA	1
MP10476.....	21.1696	EA	1
MP10477.....	38.2317	EA	1
MP10478.....	78.9280	EA	1
MP10480.....	18.7683	EA	1
MP10481.....	24.8032	EA	1
MP10482.....	21.0749	EA	1
MP10483.....	22.5915	EA	1
MP10485.....	5.0554	EA	2
MP10486.....	4.9607	EA	2
MP10488.....	12.7650	EA	1
MP10489.....	19.1475	EA	1
MP10490.....	6.3509	EA	2
MP10491.....	7.5516	EA	2
MP10492.....	26.4147	EA	2
MP10493.....	10.8060	EA	2
MP10494.....	10.9324	EA	2
MP10495.....	44.7406	EA	1
MP10496.....	14.7871	EA	1
MP10497.....	19.3371	EA	1
MP10500.....	18.4207	EA	2
MP10501.....	14.4712	EA	2
MP10502.....	25.4352	EA	2
MP10503.....	44.7722	EA	1
MP10504.....	48.5322	EA	1
MP10505.....	61.2972	EA	1
MP10506.....	66.3526	EA	1
MP1051.....	1.4304	EA	20
MP10510.....	10.1425	EA	2
MP10511.....	11.2835	EA	2
MP10512.....	10.6073	EA	2
MP10513.....	29.2441	EA	1
MP10514.....	29.3709	EA	1
MP10515.....	40.7603	EA	1
MP10520.....	25.8775	EA	1
MP10521.....	23.8237	EA	1
MP10522.....	18.1996	EA	1
MP10523.....	29.4795	EA	1
MP10525.....	9.0682	EA	2
MP10526.....	7.3936	EA	2
MP10527.....	7.9623	EA	2
MP10528.....	11.2168	EA	2
MP10529.....	13.1125	EA	2
MP10530.....	15.7982	EA	1
MP10531.....	23.5553	EA	1
MP1056.....	0.2168	EA	10
MP1069.....	0.6146	EA	20
MP10901.....	4.7357	EA	2
MP10906.....	13.0507	EA	2
MP10907.....	7.0062	EA	2
MP10908.....	7.9712	EA	2
MP10909.....	14.7817	EA	2
MP10910.....	11.5671	EA	2
MP10911.....	9.3386	EA	2
MP10912.....	32.8329	EA	1
MP10914.....	5.6771	EA	2
MP10915.....	11.3324	EA	2
MP10916.....	7.9174	EA	2
MP10918.....	8.8527	EA	2
MP10919.....	8.5754	EA	2
MP10921.....	10.2414	EA	2
MP10922.....	9.5099	EA	2
MP10923.....	9.5188	EA	2
MP10924.....	13.4357	EA	2
MP10925.....	15.1914	EA	1
MP10926.....	25.6522	EA	1
MP10927.....	9.4123	EA	2
MP10928.....	8.7783	EA	2
MP10929.....	8.8027	EA	2
MP10930.....	9.3879	EA	2
MP10931.....	14.9475	EA	1
MP10932.....	10.0010	EA	2
MP10933.....	5.7458	EA	2
MP10934.....	19.7615	EA	1
MP10936.....	4.9675	EA	2
MP10937.....	7.0337	EA	2
MP10938.....	7.4293	EA	2
MP10939.....	6.6600	EA	2
MP10940.....	9.8691	EA	2
MP10941.....	5.6441	EA	2
MP10942.....	8.2735	EA	2
MP10943.....	9.1575	EA	2
MP10944.....	8.7495	EA	2
MP10945.....	5.5761	EA	2
MP10946.....	8.6135	EA	2
MP10947.....	8.0695	EA	2
MP10948.....	7.8201	EA	2
MP10949.....	8.4284	EA	2
MP10950.....	5.5862	EA	2
MP10951.....	26.6843	EA	1
MP10952.....	11.2168	EA	2
MP10953.....	14.3369	EA	2
MP10954.....	17.2201	EA	2
MP10955.....	15.1663	EA	2
MP10956.....	9.4022	EA	2
MP10958.....	21.4461	EA	1
MP10959.....	14.0948	EA	2
MP10960.....	12.1440	EA	2
MP10961.....	14.9190	EA	2
MP10962.....	25.3047	EA	1
MP10964.....	15.8437	EA	2
MP10965.....	14.2453	EA	2
MP10966.....	16.9934	EA	2
MP10967.....	29.8366	EA	1
MP10968.....	23.3308	EA	1
MP10969.....	27.2623	EA	1
MP10975.....	9.3636	EA	2
MP10976.....	10.0219	EA	2
MP10977.....	14.4842	EA	2
MP10978.....	17.4835	EA	2
MP10979.....	11.0704	EA	2
MP10980.....	14.3623	EA	1
MP110.....	0.3132	EA	25
MP11030.....	0.0466	EA	25
MP11031.....	0.0571	EA	25
MP11032.....	0.0762	EA	25
MP11033.....	0.0762	EA	25
MP11034.....	0.0765	EA	25
MP11035.....	0.1003	EA	25
MP11036.....	0.1280	EA	25
MP11038.....	0.1857	EA	10
MP11039.....	0.2265	EA	10
MP11040.....	0.1857	EA	10
MP11041.....	0.2557	EA	10
MP11042.....	0.2319	EA	10
MP11043.....	0.4140	EA	10
MP11044.....	0.4195	EA	10
MP11083-4.....	1.4136	EA	3
MP11084-1.....	2.5417	EA	2
MP11084-2.....	1.7896	EA	2
MP11084-3.....	2.8175	EA	2
MP11090-3.....	2.0384	EA	2
MP11091-3.....	1.4405	EA	2
MP11091-4.....	2.0947	EA	2

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP11091.....	1.0744	EA	2
MP11097.....	0.8229	EA	4
MP11099-1.....	0.9402	EA	2
MP11099-2.....	0.8915	EA	2
MP11099-3.....	1.0495	EA	2
MP111.....	1.4012	EA	25
MP11127.....	0.6372	EA	5
MP11128.....	0.6168	EA	5
MP11148-1.....	0.9483	EA	2
MP11148-2.....	1.8631	EA	2
MP11148.....	1.2307	EA	2
MP11149.....	1.2046	EA	2
MP1159.....	0.3086	EA	25
MP118.....	0.2357	EA	10
MP11850.....	0.7099	EA	5
MP11851.....	0.6728	EA	5
MP11852.....	1.2292	EA	5
MP11853.....	0.5986	EA	5
MP11854.....	1.4147	EA	5
MP11856.....	1.1079	EA	5
MP11857.....	1.2109	EA	5
MP11858.....	2.7070	EA	5
MP11862.....	0.8838	EA	5
MP11863.....	1.0714	EA	5
MP11864.....	1.8214	EA	5
MP11866.....	1.2109	EA	5
MP11867.....	1.9174	EA	5
MP11868.....	3.1225	EA	5
MP11870.....	1.6804	EA	5
MP11871.....	1.5904	EA	5
MP11873.....	0.8583	EA	5
MP11874.....	2.8612	EA	5
MP1195.....	0.4420	EA	25
MP12200.....	2.5890	EA	5
MP12201.....	2.8500	EA	5
MP12203.....	4.4161	EA	5
MP12204.....	4.9055	EA	5
MP12207.....	6.7326	EA	5
MP12208.....	7.5583	EA	5
MP12211.....	3.6587	EA	5
MP12213.....	5.1410	EA	5
MP12214.....	5.8821	EA	5
MP12218.....	8.7985	EA	5
MP12240.....	2.5963	EA	5
MP12241.....	4.0949	EA	5
MP12242.....	5.6005	EA	5
MP1242.....	0.4116	EA	25
MP1244.....	0.3668	EA	10
MP1245.....	0.3112	EA	10
MP1290.....	0.1467	EA	25
MP1295.....	0.5083	EA	10
MP1312.....	0.2753	EA	10
MP1321.....	0.1443	EA	25
MP1433.....	0.0984	EA	25
MP1450.....	0.3273	EA	10
MP14558-1.....	7.5440	EA	2
MP14558-2.....	7.6659	EA	2
MP14558-3.....	10.3182	EA	2
MP14558-4.....	9.5867	EA	2
MP14558.....	8.4686	EA	2
MP14559-1.....	6.8614	EA	2
MP14559-2.....	7.1963	EA	2
MP14559-3.....	7.0160	EA	2
MP14559-4.....	7.1963	EA	2
MP14559-5.....	8.5813	EA	2
MP14559-6.....	14.8662	EA	2
MP14559.....	6.6353	EA	2
MP14560-1.....	8.3974	EA	2
MP14560-2.....	10.4401	EA	2
MP14560.....	13.4882	EA	2
MP14565.....	8.4406	EA	2
MP14568.....	9.7305	EA	2
MP14570.....	11.9178	EA	2
MP14572.....	15.2548	EA	1
MP14574.....	7.8237	EA	2
MP14577.....	9.1136	EA	2
MP14578.....	8.4126	EA	2
MP14579.....	11.6374	EA	2
MP14580.....	11.7215	EA	2
MP14633-2.....	7.9702	EA	2
MP14634-1.....	9.1163	EA	2
MP14652.....	3.2918	EA	2
MP14653.....	3.5338	EA	2
MP14654.....	3.8969	EA	2
MP14655.....	4.0422	EA	2
MP14658.....	4.1523	EA	2
MP14659.....	3.5770	EA	2
MP14660.....	4.0523	EA	2
MP14661.....	3.9022	EA	2
MP14662.....	4.6526	EA	2
MP14663.....	5.8532	EA	2
MP1484.....	0.2064	EA	25
MP1487.....	0.1866	EA	25
MP1488.....	0.4420	EA	25
MP1495.....	0.2417	EA	10
MP1497.....	0.7933	EA	10
MP1500.....	0.2355	EA	25
MP1501.....	0.3551	EA	10
MP1502.....	0.3915	EA	10
MP1503.....	0.4946	EA	10
MP1504.....	0.5838	EA	10
MP1505.....	0.7144	EA	10
MP1506.....	0.6240	EA	10
MP1507.....	0.8723	EA	10
MP1509.....	0.2801	EA	10
MP1511.....	0.2620	EA	10
MP1512.....	0.1837	EA	10
MP1522.....	0.6422	EA	10
MP1524.....	0.5811	EA	10
MP1525.....	0.2635	EA	10
MP1529.....	0.7418	EA	10
MP1533.....	0.1930	EA	10
MP1534.....	0.8105	EA	10
MP1537.....	0.2344	EA	10
MP1564.....	0.4166	EA	10
MP158.....	0.5770	EA	25
MP159.....	0.5051	EA	25
MP160.....	0.3255	EA	10
MP1603.....	2.5621	EA	10
MP1642.....	0.2710	EA	10
MP1655.....	0.3402	EA	25
MP167.....	0.0672	EA	25
MP16910-1.....	6.8516	EA	2
MP16910-2.....	19.6276	EA	2
MP16910.....	5.3061	EA	2
MP16911-1.....	8.6547	EA	2
MP16911.....	6.6356	EA	2
MP16912-1.....	13.0335	EA	1
MP16912.....	9.1183	EA	2
MP16913-1.....	17.8245	EA	1
MP16913.....	13.7548	EA	1
MP16914.....	16.0215	EA	1
MP16915.....	23.1307	EA	1
MP16916.....	9.9488	EA	2
MP16917.....	9.3068	EA	2
MP16918.....	11.7532	EA	2
MP16919.....	19.4099	EA	1
MP16920.....	22.2140	EA	1
MP16921.....	34.2355	EA	1
MP16922.....	9.8025	EA	2
MP16923.....	10.7778	EA	2
MP16924.....	12.5823	EA	2
MP16925-1.....	19.8732	EA	1
MP16925.....	18.0443	EA	1
MP16926.....	21.8970	EA	1
MP16927.....	31.2118	EA	1
MP16928.....	11.2899	EA	2
MP16929.....	10.5096	EA	2
MP16930.....	12.8993	EA	2
MP16931.....	18.7027	EA	1
MP16932.....	23.8478	EA	1
MP16933.....	32.7237	EA	1
MP1709.....	0.2370	EA	10
MP1710.....	0.3365	EA	10
MP1755.....	0.8434	EA	10
MP1756.....	1.1680	EA	10
MP1759.....	0.9733	EA	10
MP1773.....	0.5677	EA	10
MP1775.....	0.8936	EA	10
MP1827.....	0.3588	EA	10
MP1854.....	0.6302	EA	25
MP18551.....	0.3560	EA	5
MP18553.....	0.3560	EA	5
MP18555.....	0.6107	EA	5
MP18556.....	0.6107	EA	5
MP18566.....	0.1927	EA	5
MP18567.....	0.1880	EA	5
MP18568.....	0.1097	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP18577	0.4722	EA	5
MP18578	0.3287	EA	5
MP18579	0.3287	EA	5
MP1869	0.9370	EA	10
MP1905	0.3599	EA	25
MP1920	0.4166	EA	10
MP1936	0.6156	EA	25
MP1953	0.3877	EA	25
MP1964	0.3293	EA	25
MP1995	1.0892	EA	25
MP1997	0.5453	EA	25
MP2023	4.0739	EA	3
MP2025	3.9374	EA	3
MP2032	6.6449	EA	3
MP21654	3.1280	EA	6
MP21655	2.7195	EA	6
MP21657	1.9515	EA	6
MP21658	2.3122	EA	6
MP21659	1.6837	EA	6
MP21660	1.7466	EA	6
MP21661	2.2657	EA	6
MP21664	1.1973	EA	6
MP21667	1.1345	EA	6
MP21670	1.2601	EA	6
MP21676	0.8900	EA	5
MP21677	1.3971	EA	5
MP21678	2.2519	EA	10
MP21680	2.0772	EA	6
MP21681	2.5800	EA	6
MP21684	1.4952	EA	6
MP21685	1.1810	EA	6
MP21694	4.5446	EA	6
MP21697	8.7091	EA	6
MP21698	3.7113	EA	6
MP21699	2.5800	EA	6
MP222	0.1452	EA	25
MP22988	0.1073	EA	25
MP22989	0.1073	EA	25
MP23000	0.2290	EA	25
MP23001	0.2290	EA	25
MP23002	0.2290	EA	25
MP23003	0.2310	EA	25
MP23004	0.2785	EA	25
MP23007	0.2325	EA	25
MP23009	0.2325	EA	25
MP23010	0.1914	EA	25
MP23011	0.2325	EA	25
MP23012	0.2325	EA	25
MP23013	0.2325	EA	25
MP23015	0.7405	EA	5
MP23020	0.1379	EA	25
MP23021	0.1379	EA	25
MP23022	0.1338	EA	25
MP23023	0.1697	EA	25
MP23024	0.1823	EA	25
MP23025	0.2618	EA	25
MP23026	0.2618	EA	25
MP23027	0.1406	EA	25
MP23028	0.1724	EA	25
MP23029	0.1724	EA	25
MP23030	0.1288	EA	25
MP23031	0.1288	EA	25
MP23032	0.1400	EA	25
MP23033	0.1653	EA	25
MP23035	0.1696	EA	50
MP23036	0.6307	EA	5
MP23043	0.3022	EA	25
MP23044	0.3325	EA	25
MP23045	0.3566	EA	25
MP23047	0.3665	EA	25
MP23048	0.3809	EA	25
MP23050	0.4433	EA	25
MP23060	0.1744	EA	25
MP23061	0.1956	EA	25
MP23062	0.2586	EA	25
MP23064	0.2670	EA	25
MP23065	0.2670	EA	25
MP23067	0.3042	EA	25
MP23069	0.2881	EA	25
MP23071	0.1327	EA	25
MP23073	0.2884	EA	25
MP23076	1.5541	EA	5
MP23097	0.0778	EA	25
MP23098	0.1724	EA	25
MP23099	0.3271	EA	25
MP23103	0.1485	EA	25
MP23107	0.1485	EA	25
MP23108	0.2025	EA	25
MP23120	0.1148	EA	25
MP23123	0.1159	EA	25
MP23124	0.1305	EA	25
MP23129	0.1260	EA	25
MP23133	0.1277	EA	25
MP23161	0.2164	EA	25
MP23162	0.2490	EA	25
MP23165	0.2490	EA	25
MP23169	0.2005	EA	25
MP23197	0.0915	EA	25
MP23198	0.1569	EA	25
MP23199	0.1299	EA	25
MP23240	0.3683	EA	25
MP23241	0.2767	EA	25
MP23242	0.3162	EA	25
MP23243	0.3068	EA	25
MP23244	0.3012	EA	25
MP23245	0.3162	EA	25
MP23331	0.2678	EA	25
MP23332	0.2678	EA	25
MP23333	0.2344	EA	25
MP23334	0.2678	EA	25
MP23335	0.2678	EA	25
MP23347	0.1999	EA	25
MP23348-1	0.2483	EA	25
MP23349	0.1668	EA	25
MP23350	0.3271	EA	25
MP2341	0.9598	EA	10
MP2342	0.8155	EA	10
MP2343	1.1797	EA	10
MP23558	0.2067	EA	50
MP23559	0.2717	EA	50
MP23560	0.1070	EA	50
MP23561	0.1169	EA	50
MP23562	0.1244	EA	50
MP23563	0.1661	EA	50
MP23564-1	0.6205	EA	25
MP23564	0.2399	EA	50
MP23575	0.2180	EA	10
MP23576	0.2854	EA	10
MP23577	0.4924	EA	10
MP23578	0.9690	EA	10
MP2386	1.0819	EA	10
MP2387	1.3739	EA	10
MP2389	2.0564	EA	10
MP2391-4	11.5731	EA	5
MP2391	3.5886	EA	5
MP23911	0.1845	EA	25
MP23916	0.2614	EA	50
MP278	0.4994	EA	10
MP280	0.5356	EA	10
MP281	0.7607	EA	10
MP282	0.4731	EA	10
MP30000	0.0861	EA	50
MP30002	0.0903	EA	50
MP30004	0.1008	EA	50
MP30005	0.1074	EA	50
MP30006	0.1212	EA	50
MP30007	0.1410	EA	50
MP30008	0.1539	EA	50
MP30009	0.1797	EA	50
MP30010	0.1899	EA	50
MP30011	0.2151	EA	50
MP30012	0.2343	EA	50
MP30014	0.2907	EA	50
MP30025	0.1212	EA	50
MP30027	0.1251	EA	50
MP30029	0.1341	EA	50
MP30030	0.1593	EA	50
MP30031	0.1791	EA	50
MP30032	0.2088	EA	50
MP30033	0.2298	EA	25
MP30034	0.2502	EA	25
MP30035	0.2715	EA	25
MP30036	0.2787	EA	25
MP30037	0.3387	EA	25
MP30039	0.4179	EA	25
MP30040	0.5358	EA	25
MP30041	0.6465	EA	25
MP30042	0.7092	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP30043.....	0.8853	EA	25
MP30044.....	1.0953	EA	25
MP30050.....	0.1719	EA	25
MP30052.....	0.1788	EA	25
MP30054.....	0.1983	EA	25
MP30055.....	0.2178	EA	25
MP30056.....	0.2643	EA	25
MP30057.....	0.2739	EA	25
MP30058.....	0.3063	EA	25
MP30059.....	0.3348	EA	25
MP30060.....	0.3576	EA	25
MP30061.....	0.3798	EA	10
MP30062.....	0.4125	EA	10
MP30063.....	0.4965	EA	10
MP30064.....	0.5301	EA	10
MP30065.....	0.6423	EA	10
MP30066.....	0.6537	EA	10
MP30067.....	0.8673	EA	10
MP30068.....	0.9132	EA	10
MP30069.....	1.0497	EA	10
MP30070.....	1.1313	EA	10
MP30071.....	1.3161	EA	10
MP30077.....	0.2688	EA	25
MP30079.....	0.2985	EA	25
MP30080.....	0.3348	EA	25
MP30081.....	0.3735	EA	25
MP30082.....	0.4041	EA	25
MP30083.....	0.4431	EA	25
MP30084.....	0.4704	EA	25
MP30085.....	0.5184	EA	10
MP30087.....	0.5922	EA	10
MP30089.....	0.7224	EA	10
MP30091.....	0.8193	EA	10
MP30092.....	1.0233	EA	10
MP30093.....	1.1367	EA	10
MP30094.....	1.4241	EA	10
MP30095.....	1.4898	EA	10
MP30104.....	0.3888	EA	25
MP30105.....	0.4335	EA	25
MP30106.....	0.4749	EA	25
MP30107.....	0.5508	EA	25
MP30108.....	0.6015	EA	25
MP30110.....	0.6954	EA	10
MP30112.....	0.7902	EA	10
MP30114.....	0.9441	EA	10
MP30116.....	1.0338	EA	10
MP30117.....	1.1988	EA	10
MP30118.....	1.2768	EA	10
MP30120.....	1.8108	EA	10
MP30121.....	4.3905	EA	10
MP30122.....	5.6751	EA	10
MP30123.....	6.9807	EA	10
MP30130.....	0.6810	EA	5
MP30131.....	0.7584	EA	5
MP30133.....	0.8895	EA	5
MP30135.....	1.0059	EA	5
MP30137.....	1.1511	EA	5
MP30145-11/2....	1.1616	EA	10
MP30145-2.....	1.0059	EA	10
MP30145-21/2....	0.0956	EA	50
MP30145-21/4....	1.0635	EA	10
MP30145-23/4....	1.2099	EA	10
MP30145-3.....	1.2969	EA	10
MP30145-31/2....	1.4823	EA	10
MP30145-4.....	1.6299	EA	10
MP30145-41/2....	1.7034	EA	10
MP30145-5.....	1.8519	EA	10
MP30145-51/2....	1.9719	EA	10
MP30145-6.....	2.1714	EA	10
MP30145-61/2....	6.9492	EA	10
MP30160-2.....	1.6638	EA	10
MP30160-21/2....	1.8843	EA	10
MP30160-21/4....	1.7418	EA	10
MP30160-23/4....	1.9638	EA	10
MP30160-3.....	2.0871	EA	10
MP30160-31/2....	2.2386	EA	10
MP30160-4.....	2.4423	EA	10
MP30160-41/2....	2.7015	EA	10
MP30160-5.....	2.9520	EA	10
MP30160-51/2....	3.0132	EA	10
MP30160-6.....	3.4521	EA	10
MP30160-61/2....	8.6652	EA	10
MP30165-11/2....	2.5362	EA	10
MP30165-13/4....	3.1389	EA	10
MP30165-2.....	2.6523	EA	10
MP30165-21/2....	2.9805	EA	10
MP30165-21/4....	2.9586	EA	10
MP30165-3.....	3.3006	EA	10
MP30165-31/2....	3.5040	EA	10
MP30165-31/4....	5.1591	EA	10
MP30165-4.....	3.5643	EA	10
MP30165-41/2....	3.8547	EA	10
MP30165-5.....	4.1427	EA	10
MP30165-51/2....	4.4259	EA	10
MP30165-6.....	8.8020	EA	10
MP30170-2.....	4.0221	EA	10
MP30170-21/2....	4.0518	EA	10
MP30170-3.....	4.4823	EA	10
MP30170-31/2....	4.7583	EA	10
MP30170-4.....	4.9590	EA	10
MP30170-41/2....	5.1591	EA	10
MP30175.....	0.0861	EA	50
MP30177.....	0.0861	EA	50
MP30179.....	0.1092	EA	50
MP30181.....	0.1212	EA	50
MP30183.....	0.1539	EA	50
MP30184.....	0.1797	EA	50
MP30185.....	0.1899	EA	25
MP30186.....	0.2247	EA	50
MP30187.....	0.2502	EA	25
MP30189.....	0.3102	EA	50
MP30200.....	0.1212	EA	50
MP30202.....	0.1251	EA	50
MP30204.....	0.1341	EA	50
MP30206.....	0.1887	EA	50
MP30208.....	0.2253	EA	25
MP30209.....	0.2502	EA	25
MP30210.....	0.2922	EA	25
MP30211.....	0.3318	EA	25
MP30212.....	0.3387	EA	25
MP30214.....	0.4317	EA	25
MP30215.....	0.5358	EA	25
MP30216.....	0.7221	EA	25
MP30227.....	0.1788	EA	25
MP30229.....	0.1983	EA	25
MP30230.....	0.2178	EA	25
MP30231.....	0.4419	EA	25
MP30232.....	0.2739	EA	25
MP30233.....	0.3045	EA	25
MP30234.....	0.3306	EA	25
MP30235.....	0.3576	EA	25
MP30236.....	0.3858	EA	10
MP30237.....	0.4125	EA	10
MP30238.....	0.4965	EA	10
MP30239.....	0.5301	EA	10
MP30240.....	0.6186	EA	10
MP30241.....	0.6537	EA	10
MP30242.....	0.8673	EA	10
MP30243.....	1.1211	EA	10
MP30244.....	1.0497	EA	10
MP30245.....	1.2402	EA	10
MP30254.....	0.2985	EA	25
MP30255.....	0.4239	EA	25
MP30256.....	0.3735	EA	25
MP30257.....	0.5550	EA	25
MP30258.....	0.4431	EA	25
MP30259.....	0.7347	EA	25
MP30260.....	0.5184	EA	10
MP30262.....	0.6441	EA	10
MP30264.....	0.7224	EA	10
MP30266.....	0.8193	EA	10
MP30268.....	1.2060	EA	10
MP30269.....	1.4241	EA	10
MP30270.....	1.4898	EA	10
MP30279.....	0.3846	EA	25
MP30280.....	0.4335	EA	25
MP30281.....	0.4749	EA	25
MP30282.....	0.5508	EA	25
MP30283.....	0.6015	EA	25
MP30285.....	0.6954	EA	10
MP30287.....	0.7902	EA	10
MP30289.....	1.0821	EA	10
MP30291.....	1.0338	EA	10
MP30292.....	1.2462	EA	10
MP30293.....	1.4568	EA	10
MP303.....	0.4681	EA	10
MP30304.....	0.6810	EA	5
MP30306.....	0.7584	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP30308.....	0.8895	EA	5
MP30310.....	1.0059	EA	5
MP30312.....	1.1511	EA	5
MP30320-11/2....	0.8616	EA	10
MP30320-2.....	1.0059	EA	10
MP30320-21/2....	1.1475	EA	10
MP30320-21/4....	1.0635	EA	10
MP30320-23/4....	1.2099	EA	10
MP30320-3.....	1.2969	EA	10
MP30320-31/2....	1.4823	EA	10
MP30320-4.....	1.6299	EA	10
MP30320-41/2....	1.8630	EA	10
MP30320-5.....	2.0058	EA	10
MP30320-51/2....	2.0445	EA	10
MP30320-6.....	2.2236	EA	10
MP30320-61/2....	0.9217	EA	10
MP30330-2.....	1.6638	EA	10
MP30330-21/2....	1.8843	EA	10
MP30330-21/4....	1.7418	EA	10
MP30330-23/4....	1.9638	EA	10
MP30330-3.....	2.0871	EA	10
MP30330-31/2....	2.2386	EA	10
MP30330-4.....	2.3520	EA	10
MP30330-41/2....	2.7882	EA	10
MP30330-5.....	2.9973	EA	10
MP30335-2.....	2.6523	EA	10
MP30335-21/2....	2.9805	EA	10
MP30335-3.....	3.3006	EA	10
MP30364.....	0.6098	EA	50
MP30365.....	0.8860	EA	50
MP30366.....	1.8216	EA	25
MP30367.....	3.3518	EA	10
MP30561.....	0.8516	EA	10
MP30562.....	1.5317	EA	10
MP30563.....	1.1947	EA	10
MP30565.....	1.4885	EA	10
MP30567.....	2.6774	EA	10
MP30570.....	0.1444	EA	50
MP30571.....	0.1615	EA	50
MP30572-1.....	0.2573	EA	50
MP30572.....	0.1786	EA	50
MP30573.....	0.2099	EA	50
MP30574.....	0.2528	EA	50
MP30575.....	0.2840	EA	50
MP30576.....	0.3159	EA	50
MP30577-1.....	0.5974	EA	25
MP30577.....	0.3478	EA	50
MP30578-1.....	0.7397	EA	25
MP30578.....	0.6285	EA	25
MP30579-1.....	0.7951	EA	25
MP30579-2.....	0.5981	EA	25
MP30579.....	0.4942	EA	25
MP30580.....	0.3295	EA	50
MP30581.....	0.3556	EA	50
MP30582-1.....	0.3823	EA	50
MP30582.....	0.2958	EA	50
MP30583.....	0.3206	EA	50
MP30584.....	0.3813	EA	50
MP30585.....	0.4269	EA	50
MP30586-1.....	1.1307	EA	25
MP30586.....	0.4695	EA	50
MP30587.....	0.5304	EA	50
MP30588.....	0.8690	EA	25
MP30589-1.....	0.7170	EA	25
MP30589-3.....	1.5895	EA	10
MP30589-4.....	0.9249	EA	10
MP30589.....	0.6434	EA	25
MP30590.....	0.4594	EA	50
MP30591.....	0.4017	EA	50
MP30592.....	0.4695	EA	50
MP30593.....	0.5145	EA	50
MP30594.....	0.5779	EA	50
MP30595.....	0.9529	EA	25
MP30596.....	0.7132	EA	25
MP30597.....	0.8578	EA	25
MP30598-23/4....	1.7971	EA	10
MP30598.....	1.5192	EA	10
MP30599-2.....	1.2769	EA	10
MP30599-3.....	1.0494	EA	10
MP30600-1.....	1.0798	EA	25
MP30600.....	2.2161	EA	10
MP30601-11/4....	0.8292	EA	25
MP30601.....	0.7437	EA	25
MP30602-13/4....	1.0186	EA	25
MP30602.....	0.8949	EA	25
MP30603-21/4....	1.4091	EA	10
MP30603.....	1.1042	EA	25
MP30604-1.....	1.5905	EA	10
MP30604-10.....	3.2338	EA	5
MP30604-11.....	5.9272	EA	5
MP30604-13.....	7.0306	EA	5
MP30604-18.....	4.2652	EA	5
MP30604-19.....	5.0321	EA	5
MP30604-1X.....	1.6774	EA	10
MP30604-2.....	2.7432	EA	10
MP30604-20.....	8.9203	EA	5
MP30604-23/4....	1.5943	EA	10
MP30604-25.....	4.9905	EA	5
MP30604-26.....	1.6070	EA	5
MP30604-27.....	5.5799	EA	5
MP30604-2X.....	1.9380	EA	10
MP30604-3.....	1.7794	EA	10
MP30604-31/4....	1.6622	EA	10
MP30604-33/4....	3.4432	EA	10
MP30604-3X.....	2.4329	EA	10
MP30604-4.....	3.1691	EA	10
MP30604-4X.....	4.6230	EA	10
MP30604-5.....	2.2743	EA	10
MP30604-51/2....	3.2338	EA	10
MP30604-5X.....	4.5627	EA	10
MP30604-6.....	8.1682	EA	5
MP30604-9.....	2.8258	EA	5
MP30604-X.....	1.5943	EA	10
MP30604.....	1.4129	EA	10
MP30605.....	0.1092	EA	50
MP30606.....	0.1874	EA	50
MP30607.....	0.2649	EA	50
MP30608.....	0.4176	EA	25
MP30609-1.....	1.6906	EA	25
MP30609-2.....	1.6748	EA	25
MP30609-3.....	4.6789	EA	10
MP30609-4.....	4.4496	EA	10
MP30609.....	0.5102	EA	25
MP30638.....	0.5800	EA	10
MP30639.....	1.2955	EA	10
MP30640.....	1.4200	EA	10
MP30716.....	0.5570	EA	10
MP30717.....	0.6280	EA	10
MP30722-1.....	0.3096	EA	50
MP30723.....	0.0365	EA	50
MP30805.....	0.3920	EA	10
MP30806.....	0.5300	EA	10
MP31201.....	0.0324	EA	50
MP31202.....	0.0401	EA	50
MP31203.....	0.0588	EA	50
MP31204.....	0.0646	EA	25
MP31205.....	0.0858	EA	25
MP31206.....	0.1241	EA	25
MP31207.....	0.1891	EA	25
MP31208.....	0.3082	EA	25
MP31211.....	0.0324	EA	50
MP31212.....	0.0401	EA	50
MP31213.....	0.0588	EA	50
MP31214.....	0.0646	EA	25
MP31215.....	0.0858	EA	25
MP31216.....	0.1241	EA	25
MP31217.....	0.1891	EA	25
MP31218.....	0.3082	EA	25
MP31281.....	0.3861	EA	10
MP31282.....	0.4595	EA	10
MP31283.....	0.6147	EA	10
MP31284.....	0.7201	EA	10
MP31285.....	0.8490	EA	10
MP31286.....	1.3253	EA	10
MP31287.....	2.1895	EA	10
MP31325.....	0.1043	EA	100
MP31326.....	0.1550	EA	100
MP31327.....	0.1700	EA	100
MP31328.....	0.1920	EA	100
MP31329.....	0.2550	EA	100
MP31330.....	0.2600	EA	50
MP31331.....	0.3550	EA	50
MP31371.....	0.1109	EA	250
MP31372.....	0.0179	EA	250
MP31373.....	0.0227	EA	250
MP31374.....	0.0260	EA	250
MP31375.....	0.0243	EA	250
MP31376.....	0.0615	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP31511.....	0.1846	PR	50
MP31512.....	0.1846	PR	50
MP31513.....	0.2064	PR	25
MP31514.....	0.2414	PR	25
MP31515.....	0.3743	PR	10
MP31516.....	0.3974	PR	10
MP31517.....	0.5699	PR	10
MP31518.....	0.5731	PR	10
MP31519.....	0.8460	PR	5
MP31540.....	0.1692	EA	25
MP31542.....	0.1813	EA	25
MP31543.....	0.1677	EA	25
MP31544.....	0.2568	EA	25
MP31545.....	0.2568	EA	25
MP31546.....	0.2342	EA	25
MP31547.....	0.9608	EA	25
MP31548.....	0.6194	EA	25
MP31950-1.....	0.1168	EA	10
MP31950.....	0.1669	EA	10
MP31951-1.....	0.1236	EA	10
MP31951.....	0.1271	EA	10
MP31952-1.....	0.1305	EA	10
MP31952.....	0.1271	EA	10
MP31953-1.....	0.1511	EA	10
MP31953.....	0.1649	EA	10
MP31954.....	0.1580	EA	10
MP31956-1.....	0.3881	EA	5
MP31956.....	0.3537	EA	5
MP31957-3.....	0.3667	EA	5
MP31957.....	0.5049	EA	5
MP31958.....	0.3400	EA	5
MP31959.....	0.3950	EA	5
MP31960.....	0.6491	EA	5
MP31963.....	0.5152	EA	5
MP31964.....	0.6491	EA	5
MP31965.....	0.8620	EA	5
MP3197.....	0.0933	EA	25
MP32082.....	0.0371	EA	50
MP32601.....	0.2298	EA	10
MP32602.....	0.2929	EA	10
MP32603.....	0.3103	EA	10
MP32604.....	0.3506	EA	10
MP32605.....	0.4024	EA	10
MP32606.....	0.4564	EA	10
MP32736.....	0.6560	EA	10
MP32743.....	0.7590	EA	10
MP32744.....	0.7487	EA	10
MP32745.....	0.8449	EA	10
MP32746.....	0.9513	EA	10
MP32790.....	0.7171	EA	25
MP32791.....	0.8437	EA	25
MP32792.....	0.8257	EA	25
MP32793.....	0.7446	EA	10
MP32794.....	1.0525	EA	10
MP32795.....	1.1520	EA	10
MP32796.....	2.1425	EA	10
MP32797.....	2.1715	EA	10
MP328.....	0.2316	EA	25
MP3353.....	1.0372	EA	10
MP33607.....	0.1418	EA	25
MP33620-1.....	0.1347	EA	25
MP33636.....	0.1707	EA	25
MP33638.....	0.2220	EA	10
MP33640.....	0.3351	EA	10
MP33642.....	0.4997	EA	10
MP33646-1.....	0.2683	EA	10
MP33648-1.....	0.3034	EA	10
MP33650-1.....	0.3831	EA	10
MP33652-1.....	0.5205	EA	10
MP33662.....	0.2698	EA	10
MP33664.....	0.3269	EA	10
MP33666.....	0.3855	EA	10
MP33668.....	0.4732	EA	10
MP33680-1.....	0.4316	EA	10
MP33682-1.....	0.4917	EA	10
MP33683-1.....	0.5756	EA	10
MP33685-1.....	0.6585	EA	10
MP33686-4.....	1.1187	EA	5
MP33686-41/2....	1.4387	EA	5
MP33691-1.....	0.8978	EA	5
MP33693-1.....	1.0689	EA	5
MP33695-1.....	1.2403	EA	5
MP33697-1.....	1.6567	EA	5
MP33698-1.....	1.9895	EA	5
MP33699-4.....	2.3155	EA	5
MP337.....	0.2854	EA	25
MP33854.....	0.1445	EA	100
MP33855.....	0.0757	EA	100
MP33856.....	0.1257	EA	100
MP33857.....	0.1717	EA	100
MP34272.....	0.1471	EA	50
MP34273.....	0.1905	EA	50
MP34274.....	0.2664	EA	50
MP34275.....	0.3445	EA	25
MP34276.....	0.4222	EA	25
MP34277.....	0.8010	EA	10
MP34278.....	1.1837	EA	10
MP34282.....	0.1471	EA	50
MP34283.....	0.1905	EA	50
MP34284.....	0.2664	EA	50
MP34285.....	0.3445	EA	25
MP34286.....	0.4222	EA	25
MP34287.....	0.8010	EA	10
MP34288.....	1.1837	EA	10
MP34292.....	0.2499	EA	25
MP34293.....	0.1194	EA	25
MP34294.....	0.2660	EA	25
MP34298.....	0.1266	EA	25
MP34405-1.....	0.0816	EA	50
MP34405-1/2.....	0.0715	EA	50
MP34405-3/4.....	0.0780	EA	50
MP344996.....	0.1768	EA	10
MP34820.....	0.2537	EA	25
MP34821.....	0.2886	EA	25
MP34822.....	0.3717	EA	10
MP34823.....	0.4332	EA	10
MP34825.....	0.2586	EA	25
MP34826.....	0.3098	EA	25
MP34827.....	0.3686	EA	10
MP34828.....	0.4504	EA	10
MP34830.....	0.2939	EA	25
MP34831.....	0.3249	EA	25
MP34832.....	0.4119	EA	10
MP34833.....	0.4487	EA	10
MP34835.....	0.3085	EA	25
MP34836.....	0.3434	EA	25
MP34837.....	0.4310	EA	10
MP34838.....	0.4818	EA	10
MP34839.....	0.5755	EA	10
MP34840.....	0.3320	EA	10
MP34841.....	0.4318	EA	10
MP34842.....	0.5189	EA	10
MP34845.....	0.4004	EA	10
MP34846.....	0.4818	EA	10
MP34847.....	0.5843	EA	10
MP34850.....	0.5172	EA	10
MP34851.....	0.6356	EA	10
MP34852.....	0.7634	EA	10
MP34853.....	0.8836	EA	10
MP34895.....	0.3045	EA	10
MP34896.....	0.3253	EA	10
MP34902.....	0.4527	EA	10
MP34903.....	0.5009	EA	10
MP34904.....	0.5552	EA	10
MP35002.....	0.0485	EA	25
MP35003.....	0.0954	EA	25
MP35005.....	0.1024	EA	25
MP35006.....	0.0559	EA	25
MP35016.....	0.0497	EA	25
MP35018.....	0.1050	EA	25
MP35019.....	0.1108	EA	25
MP35021.....	0.1226	EA	25
MP35024.....	0.0547	EA	25
MP35026.....	0.1302	EA	25
MP35028.....	0.1497	EA	25
MP35029.....	0.1776	EA	25
MP35030.....	0.2082	EA	25
MP35033.....	0.1042	EA	25
MP35035.....	0.1774	EA	10
MP35036.....	0.0883	EA	10
MP35037.....	0.2398	EA	10
MP35041.....	0.2721	EA	10
MP35042.....	0.3027	EA	10
MP35043.....	0.3408	EA	10
MP35045.....	0.4188	EA	10
MP35050.....	0.3840	EA	10
MP35052.....	0.4769	EA	10
MP35055.....	0.3412	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP35056.....	0.3786	EA	10
MP35057.....	0.4091	EA	10
MP35059.....	0.4917	EA	5
MP35067.....	0.2882	EA	5
MP35068.....	0.5523	EA	5
MP35070.....	0.7293	EA	5
MP35078.....	0.7319	EA	5
MP35080.....	1.0918	EA	5
MP3512.....	0.1968	EA	25
MP35201.....	0.1300	EA	25
MP35204.....	0.2037	EA	25
MP35209.....	0.1309	EA	25
MP35234.....	0.1734	EA	25
MP35236.....	0.2013	EA	25
MP3529.....	0.1576	EA	10
MP355.....	0.1003	EA	25
MP356.....	0.0951	EA	25
MP36000.....	0.3508	EA	50
MP36002.....	0.3557	EA	50
MP36004.....	0.3650	EA	50
MP36006.....	0.3933	EA	50
MP36008.....	0.4304	EA	50
MP36010.....	0.4711	EA	25
MP36012-1.....	0.5755	EA	25
MP36012.....	0.5408	EA	25
MP36013.....	0.6353	EA	25
MP36014.....	0.6754	EA	25
MP36027.....	0.3971	EA	50
MP36029.....	0.4654	EA	50
MP36031.....	0.4921	EA	50
MP36032.....	0.4924	EA	50
MP36033.....	0.5122	EA	25
MP36034.....	0.5374	EA	25
MP36035.....	0.5571	EA	25
MP36036.....	0.6150	EA	25
MP36037.....	0.6584	EA	25
MP36038.....	0.7335	EA	25
MP36039.....	0.8160	EA	25
MP36040-1.....	1.1412	EA	25
MP36040.....	1.1212	EA	25
MP36042.....	1.2757	EA	25
MP36052.....	0.4370	EA	25
MP36054.....	0.4581	EA	25
MP36055.....	0.4817	EA	25
MP36056.....	0.5172	EA	25
MP36057.....	0.5413	EA	25
MP36058.....	0.5715	EA	25
MP36059.....	0.5811	EA	25
MP36060.....	0.6286	EA	25
MP36061.....	0.6478	EA	25
MP36062.....	0.6732	EA	10
MP36063.....	0.7199	EA	10
MP36064.....	0.8118	EA	10
MP36065.....	0.8590	EA	10
MP36067.....	0.9921	EA	10
MP36068.....	1.2074	EA	10
MP36069.....	1.3297	EA	10
MP36070.....	1.4800	EA	10
MP36071.....	2.6446	EA	10
MP36072.....	2.9180	EA	10
MP36079.....	0.5484	EA	25
MP36080.....	0.5806	EA	25
MP36081.....	0.6180	EA	25
MP36082.....	0.6617	EA	25
MP36083.....	0.7123	EA	25
MP36084.....	0.7426	EA	25
MP36085.....	0.7805	EA	10
MP36086.....	0.8119	EA	10
MP36087.....	0.8561	EA	10
MP36088.....	0.9821	EA	10
MP36089.....	0.9471	EA	10
MP36091.....	1.0811	EA	10
MP36092.....	1.2171	EA	10
MP36093.....	1.4471	EA	10
MP36094.....	1.5639	EA	10
MP36095.....	1.7893	EA	10
MP36097.....	3.1995	EA	10
MP36104.....	0.7142	EA	25
MP36105.....	0.7268	EA	25
MP36106.....	0.7330	EA	25
MP36107.....	0.8164	EA	25
MP36108.....	0.8563	EA	25
MP36110.....	0.9684	EA	10
MP36111.....	1.0090	EA	10
MP36112.....	1.0641	EA	10
MP36113.....	1.1506	EA	10
MP36114.....	1.1895	EA	10
MP36115.....	1.2210	EA	10
MP36116.....	1.3501	EA	10
MP36117.....	1.4183	EA	10
MP36118.....	1.5280	EA	10
MP36119.....	1.7972	EA	10
MP36120.....	2.2958	EA	10
MP36129.....	0.9686	EA	5
MP36131.....	1.0624	EA	5
MP36133.....	1.1959	EA	5
MP36134.....	1.2461	EA	5
MP36135.....	1.3963	EA	5
MP36137.....	1.4798	EA	5
MP36139.....	1.5645	EA	5
MP36141.....	1.6879	EA	5
MP36142.....	1.7659	EA	5
MP36143-1.....	2.4860	EA	5
MP36143.....	1.9778	EA	5
MP36144.....	2.5566	EA	5
MP36147.....	1.2260	EA	10
MP36148.....	1.2883	EA	10
MP36149.....	1.3368	EA	10
MP36150.....	1.4329	EA	10
MP36151.....	1.5205	EA	10
MP36152.....	1.5766	EA	10
MP36153.....	1.6096	EA	10
MP36154.....	1.5836	EA	10
MP36155.....	1.6915	EA	10
MP36156.....	1.7226	EA	10
MP36157.....	1.9017	EA	10
MP36158.....	2.0308	EA	10
MP36159.....	2.1262	EA	10
MP36160.....	2.5820	EA	10
MP36161.....	2.6774	EA	10
MP36163.....	4.9265	EA	5
MP36172.....	1.7981	EA	10
MP36173.....	1.8652	EA	10
MP36174.....	2.0096	EA	10
MP36175.....	2.0626	EA	10
MP36176.....	2.1898	EA	10
MP36177.....	2.1984	EA	10
MP36178.....	2.1412	EA	10
MP36179.....	2.1949	EA	10
MP36300.....	0.3508	EA	50
MP36302.....	0.3557	EA	50
MP36304.....	0.3650	EA	50
MP36306.....	0.3933	EA	50
MP36308.....	0.4304	EA	50
MP36310.....	0.4711	EA	25
MP36312.....	0.5408	EA	25
MP36313.....	0.6353	EA	25
MP36314.....	0.6754	EA	25
MP36327.....	0.3971	EA	50
MP36329.....	0.4654	EA	50
MP36331.....	0.4921	EA	50
MP36332.....	0.4924	EA	50
MP36333.....	0.5122	EA	25
MP36334.....	0.5374	EA	25
MP36335.....	0.5571	EA	25
MP36336.....	0.6150	EA	25
MP36337.....	0.6584	EA	25
MP36339.....	0.8160	EA	25
MP36340-1.....	0.9334	EA	25
MP36340.....	0.7037	EA	25
MP36342.....	1.0744	EA	25
MP36352.....	0.4370	EA	25
MP36354.....	0.4581	EA	25
MP36355.....	0.4817	EA	25
MP36356.....	0.5172	EA	25
MP36357.....	0.3050	EA	25
MP36358.....	0.5715	EA	25
MP36359.....	0.3527	EA	25
MP36360.....	0.6286	EA	25
MP36361.....	0.4200	EA	25
MP36362.....	0.6732	EA	10
MP36363.....	0.5020	EA	10
MP36364.....	0.5884	EA	10
MP36367.....	0.8955	EA	10
MP36368.....	1.0226	EA	10
MP36369.....	1.1683	EA	10
MP36370.....	1.3138	EA	10
MP36379.....	0.5484	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP36380.....	0.3461	EA	25
MP36381.....	0.6180	EA	25
MP36382.....	0.4313	EA	25
MP36383.....	0.7123	EA	25
MP36384.....	0.5200	EA	25
MP36385.....	0.7805	EA	10
MP36386.....	0.5885	EA	10
MP36387.....	0.8561	EA	10
MP36389.....	0.7668	EA	10
MP36391.....	0.8706	EA	10
MP36392.....	1.0330	EA	10
MP36393.....	1.2333	EA	10
MP36395.....	1.6932	EA	10
MP36404.....	0.7142	EA	25
MP36405.....	0.4679	EA	25
MP36406.....	0.7330	EA	25
MP36407.....	0.5868	EA	25
MP36408.....	0.8563	EA	25
MP36410.....	0.9684	EA	10
MP36411.....	0.1598	EA	10
MP36412.....	1.0641	EA	10
MP36413.....	0.9435	EA	10
MP36414.....	1.0479	EA	10
MP36416.....	1.1523	EA	10
MP36417.....	1.3016	EA	10
MP36418.....	1.4508	EA	10
MP36419.....	1.6530	EA	10
MP36420.....	2.1611	EA	10
MP36429.....	0.9686	EA	5
MP36431.....	1.0624	EA	5
MP36433.....	1.1959	EA	5
MP36434.....	1.0957	EA	5
MP36435.....	1.3963	EA	5
MP36437.....	1.4798	EA	5
MP36439.....	1.3769	EA	5
MP36441.....	1.5061	EA	5
MP36442.....	1.5875	EA	5
MP36443.....	1.8268	EA	5
MP36447.....	1.2260	EA	10
MP36448.....	0.9121	EA	10
MP36449.....	1.3368	EA	10
MP36450.....	1.4329	EA	10
MP36451.....	1.5205	EA	10
MP36452.....	1.3775	EA	10
MP36453.....	1.6096	EA	10
MP36454.....	1.4669	EA	10
MP36455.....	1.6915	EA	10
MP36456.....	1.6199	EA	10
MP36457.....	1.9017	EA	10
MP36458.....	2.0308	EA	10
MP36459.....	2.1262	EA	10
MP36460.....	2.4656	EA	10
MP36461.....	2.5432	EA	10
MP36463.....	5.4014	EA	5
MP36464.....	6.1317	EA	5
MP36472.....	1.7981	EA	10
MP36473.....	1.6917	EA	10
MP36474.....	2.0096	EA	10
MP36475.....	1.9163	EA	10
MP36476.....	2.1898	EA	10
MP36477.....	2.1402	EA	10
MP36478.....	2.1412	EA	10
MP36479.....	2.3044	EA	10
MP36601.....	0.1377	EA	50
MP36602.....	0.1714	EA	50
MP36603.....	0.1925	EA	50
MP36604.....	0.2368	EA	25
MP36605.....	0.3500	EA	25
MP36606.....	0.5547	EA	25
MP36607.....	0.8333	EA	25
MP36611.....	0.1377	EA	50
MP36612.....	0.1714	EA	50
MP36613.....	0.1925	EA	50
MP36614.....	0.2368	EA	25
MP36615.....	0.3500	EA	25
MP36616.....	0.5547	EA	25
MP36617.....	0.8333	EA	25
MP3662.....	0.6163	EA	10
MP3663.....	0.6113	EA	10
MP3664.....	0.4485	EA	10
MP3665.....	0.6810	EA	10
MP3666.....	0.7762	EA	10
MP3667.....	0.8035	EA	10
MP36701-HD.....	0.1435	EA	50
MP36702-HD.....	0.1627	EA	50
MP36703-HD.....	0.1783	EA	50
MP36704-HD.....	0.2156	EA	25
MP36745-1/2.....	0.1172	EA	25
MP36745-1/4.....	0.0803	EA	50
MP36745-3/4.....	0.2388	EA	25
MP36745-3/8.....	0.0849	EA	50
MP36745-5/16....	0.0821	EA	50
MP36745-5/8.....	0.1806	EA	25
MP36745-7/16....	0.0926	EA	25
MP36780.....	0.1325	EA	50
MP36781.....	0.1575	EA	50
MP36782.....	0.2030	EA	50
MP36783.....	0.3217	EA	25
MP36784.....	0.3972	EA	25
MP36786.....	0.7481	EA	10
MP36787.....	1.2303	EA	10
MP36795.....	0.1354	EA	50
MP36796.....	0.1728	EA	50
MP36797.....	0.2120	EA	50
MP36798.....	0.3537	EA	25
MP36799.....	0.4371	EA	25
MP36801.....	0.6867	EA	10
MP36802.....	1.2184	EA	10
MP376.....	0.0989	EA	25
MP380345-S.....	0.3332	EA	10
MP38259-11/2....	0.3562	EA	100
MP3841.....	0.0714	EA	25
MP38461.....	0.2825	EA	25
MP38462.....	0.3260	EA	25
MP38463.....	0.3651	EA	25
MP38464.....	0.4476	EA	25
MP38465.....	0.3759	EA	25
MP38466.....	0.4433	EA	25
MP38467.....	0.4781	EA	25
MP38468.....	0.5737	EA	25
MP38470.....	0.2851	EA	25
MP38471.....	0.3960	EA	25
MP38474.....	0.3716	EA	25
MP38476.....	0.5737	EA	25
MP38530.....	0.0095	EA	100
MP38531.....	0.0225	EA	100
MP38577.....	0.1635	EA	25
MP38578.....	0.1769	EA	25
MP38579.....	0.2253	EA	25
MP38580.....	0.2167	EA	25
MP38581.....	0.2724	EA	25
MP3875.....	0.1202	EA	10
MP38890.....	0.2564	EA	25
MP38891.....	0.2760	EA	25
MP38892.....	0.3585	EA	25
MP38893.....	0.4520	EA	10
MP38894.....	1.7582	EA	10
MP39000.....	0.3595	EA	50
MP39002.....	0.4027	EA	50
MP39004.....	0.4650	EA	50
MP39005.....	0.4870	EA	50
MP39006.....	0.5265	EA	50
MP39007.....	0.5500	EA	50
MP39008.....	0.5860	EA	50
MP39009.....	0.6070	EA	50
MP39010.....	0.6190	EA	25
MP39011.....	0.6502	EA	25
MP39012.....	0.7348	EA	25
MP39013.....	0.8329	EA	25
MP39014.....	0.8989	EA	25
MP39015.....	1.4623	EA	25
MP39025.....	0.3970	EA	50
MP39027.....	0.4175	EA	50
MP39029.....	0.4350	EA	50
MP39030.....	0.4666	EA	50
MP39031.....	0.5134	EA	50
MP39032.....	0.5548	EA	25
MP39033.....	0.6412	EA	25
MP39034.....	0.7189	EA	25
MP39035.....	0.7573	EA	25
MP39036.....	0.8329	EA	25
MP39037.....	0.8989	EA	25
MP39038.....	1.0834	EA	25
MP39039.....	1.1197	EA	25
MP39040-1.....	1.9633	EA	25
MP39040.....	1.2217	EA	25
MP39042.....	2.0635	EA	25
MP39052.....	0.4600	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP39054.....	0.5059	EA	25
MP39055.....	0.5623	EA	25
MP39056.....	0.6220	EA	25
MP39057.....	0.7018	EA	25
MP39058.....	0.8074	EA	25
MP39059.....	0.8659	EA	25
MP39060.....	0.9418	EA	25
MP39061.....	0.9841	EA	10
MP39062.....	1.1143	EA	10
MP39063.....	1.2634	EA	10
MP39064.....	1.3273	EA	10
MP39066.....	1.5574	EA	10
MP39067.....	2.2627	EA	10
MP39068.....	2.3938	EA	10
MP39069.....	2.5279	EA	10
MP39070.....	2.6674	EA	10
MP39079.....	0.7339	EA	25
MP39080.....	0.7999	EA	25
MP39081.....	0.8893	EA	25
MP39082.....	1.0153	EA	25
MP39083.....	1.0855	EA	25
MP39084.....	1.1569	EA	25
MP39085.....	1.3519	EA	10
MP39086.....	1.5190	EA	10
MP39087.....	1.7353	EA	10
MP39089.....	1.8748	EA	10
MP39091.....	2.0932	EA	10
MP39092.....	3.0328	EA	10
MP39093.....	3.2023	EA	10
MP39095.....	3.6379	EA	10
MP39104.....	0.9694	EA	25
MP39105.....	1.0534	EA	25
MP39106.....	1.1686	EA	25
MP39107.....	1.2742	EA	25
MP39108.....	1.3657	EA	25
MP39110.....	1.7587	EA	10
MP39111.....	1.8502	EA	10
MP39112.....	1.9654	EA	10
MP39113.....	2.1400	EA	10
MP39114.....	2.3692	EA	10
MP39116.....	2.5558	EA	10
MP39117.....	3.4270	EA	10
MP39118.....	3.6658	EA	10
MP39119.....	3.9001	EA	10
MP39120.....	4.1344	EA	10
MP39129.....	1.2676	EA	5
MP39131.....	1.5073	EA	5
MP39133.....	1.7863	EA	5
MP39135.....	2.1667	EA	5
MP39137.....	2.4490	EA	5
MP39147.....	1.7545	EA	10
MP39149.....	2.0506	EA	10
MP39151.....	2.3437	EA	10
MP39152.....	2.7421	EA	10
MP39153.....	2.9455	EA	10
MP39154.....	3.1129	EA	10
MP39155.....	3.3460	EA	10
MP39157.....	3.6775	EA	10
MP39158.....	4.6108	EA	10
MP39159.....	5.0005	EA	10
MP39160.....	5.3938	EA	10
MP39161.....	5.7931	EA	10
MP39172.....	3.7117	EA	10
MP39173.....	4.0012	EA	10
MP39174.....	4.2442	EA	10
MP39175.....	4.4998	EA	10
MP39176.....	4.7770	EA	10
MP39177.....	5.3842	EA	10
MP39178.....	5.6527	EA	10
MP3922.....	0.2500	EA	10
MP39300.....	0.3595	EA	50
MP39302.....	0.4027	EA	50
MP39304.....	0.4650	EA	50
MP39305.....	0.4870	EA	50
MP39306.....	0.5265	EA	50
MP39307.....	0.5500	EA	50
MP39308.....	0.5860	EA	50
MP39310.....	0.6190	EA	25
MP39312.....	0.6878	EA	25
MP39325.....	0.3970	EA	50
MP39327.....	0.4175	EA	50
MP39329.....	0.4350	EA	50
MP39330.....	0.4538	EA	50
MP39331.....	0.4760	EA	50
MP39332.....	0.5470	EA	25
MP39333.....	0.6166	EA	25
MP39334.....	0.6454	EA	25
MP39335.....	0.6826	EA	25
MP39336.....	0.7942	EA	25
MP39337.....	0.8173	EA	25
MP39339.....	1.0090	EA	25
MP39352.....	0.4402	EA	25
MP39354.....	0.4867	EA	25
MP39355.....	0.5293	EA	25
MP39356.....	0.5842	EA	25
MP39357.....	0.6790	EA	25
MP39358.....	0.7588	EA	25
MP39359.....	0.7582	EA	25
MP39360.....	0.8992	EA	25
MP39361.....	0.9793	EA	10
MP39362.....	1.0210	EA	10
MP39364.....	1.1902	EA	10
MP39366.....	1.3825	EA	10
MP39367.....	2.1418	EA	10
MP39368.....	2.2600	EA	10
MP39379.....	0.6706	EA	25
MP39380.....	0.7645	EA	25
MP39381.....	0.8464	EA	25
MP39382.....	0.8383	EA	25
MP39383.....	1.0237	EA	25
MP39384.....	1.0531	EA	25
MP39385.....	1.2235	EA	10
MP39386.....	1.3213	EA	10
MP39387.....	1.4857	EA	10
MP39389.....	1.7125	EA	10
MP39391.....	1.9096	EA	10
MP39404.....	0.9115	EA	25
MP39405.....	0.9820	EA	25
MP39406.....	1.0768	EA	25
MP39407.....	1.1707	EA	25
MP39408.....	1.3081	EA	25
MP39410.....	1.5889	EA	10
MP39412.....	1.7989	EA	10
MP39414.....	2.0617	EA	10
MP39416.....	2.2087	EA	10
MP39417.....	3.2962	EA	10
MP39418.....	3.6037	EA	10
MP39420.....	4.0024	EA	10
MP39429.....	1.2217	EA	5
MP39431.....	1.5166	EA	5
MP39433.....	1.7281	EA	5
MP39435.....	2.2012	EA	5
MP39437.....	2.4781	EA	5
MP39447.....	1.7590	EA	10
MP39449.....	2.0767	EA	10
MP39451.....	2.4235	EA	10
MP39452.....	2.5441	EA	10
MP39453.....	2.8147	EA	10
MP39455.....	3.1336	EA	10
MP39457.....	3.4579	EA	10
MP39458.....	4.5115	EA	10
MP39459.....	4.8646	EA	10
MP39460.....	5.2327	EA	10
MP39461.....	5.9197	EA	10
MP39472.....	3.5713	EA	10
MP39473.....	3.8164	EA	10
MP39474.....	4.0471	EA	10
MP39476.....	4.5097	EA	10
MP39478.....	5.1835	EA	10
MP39601.....	0.0477	EA	50
MP39602.....	0.0699	EA	50
MP39603.....	0.1035	EA	50
MP39604.....	0.1974	EA	25
MP39605.....	0.2352	EA	25
MP39606.....	0.4275	EA	25
MP39607.....	0.4530	EA	25
MP39611.....	0.0699	EA	50
MP39612.....	0.1029	EA	50
MP39613.....	0.1440	EA	50
MP39614.....	0.3378	EA	25
MP39615.....	0.3024	EA	25
MP39616.....	0.4794	EA	25
MP39617.....	0.6009	EA	25
MP39621.....	0.0541	EA	50
MP39622.....	0.0686	EA	50
MP39623.....	0.1050	EA	50
MP39624.....	0.1235	EA	25
MP39625.....	0.2761	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP39626.....	0.3737	EA	25
MP39627.....	0.4959	EA	10
MP39628.....	0.6901	EA	10
MP39629.....	1.1684	EA	5
MP39630.....	1.7636	EA	5
MP39631.....	10.3533	EA	5
MP39632.....	15.6931	EA	5
MP39633.....	19.9891	EA	5
MP39634.....	26.1886	EA	5
MP39635.....	0.0637	EA	50
MP39636.....	0.0813	EA	50
MP39637.....	0.1138	EA	50
MP39638.....	0.1539	EA	25
MP39639.....	0.2752	EA	25
MP39640.....	0.3956	EA	25
MP39641.....	0.5451	EA	10
MP39642.....	0.6849	EA	10
MP39643.....	1.1688	EA	5
MP39644.....	1.7047	EA	5
MP39645.....	8.4646	EA	5
MP39646.....	19.2770	EA	5
MP39647.....	26.6955	EA	5
MP39651.....	0.2412	EA	50
MP39652.....	0.2584	EA	50
MP39654.....	0.3479	EA	25
MP39661.....	0.2748	EA	50
MP39662.....	0.3022	EA	50
MP39664.....	0.4053	EA	25
MP40000.....	0.2249	EA	25
MP40001.....	0.2303	EA	25
MP40002.....	0.2386	EA	25
MP40003.....	0.2497	EA	25
MP40004.....	0.2650	EA	25
MP40005.....	0.2012	EA	10
MP40006.....	0.2031	EA	10
MP40007.....	0.2165	EA	10
MP40008.....	0.2325	EA	10
MP40009.....	0.2555	EA	10
MP40010.....	0.3266	EA	10
MP40011.....	0.2237	EA	10
MP40012.....	0.2199	EA	10
MP40013.....	0.2455	EA	10
MP40014.....	0.2861	EA	10
MP40015.....	0.3958	EA	10
MP40016.....	0.4322	EA	10
MP40327.....	0.0766	EA	50
MP40328.....	0.0775	EA	50
MP40330.....	0.0803	EA	50
MP40338.....	0.0775	EA	50
MP40339.....	0.0777	EA	50
MP40341.....	0.0842	EA	50
MP40343.....	0.0931	EA	50
MP40345.....	0.1273	EA	50
MP40348.....	0.0816	EA	50
MP40349.....	0.0835	EA	50
MP40351.....	0.0858	EA	50
MP40353.....	0.0936	EA	50
MP40360.....	0.0842	EA	50
MP40361.....	0.0857	EA	50
MP40362.....	0.0870	EA	50
MP40364.....	0.0951	EA	50
MP40366.....	0.1309	EA	50
MP40368.....	0.1839	EA	50
MP40373.....	0.0901	EA	50
MP40374.....	0.0904	EA	50
MP40375.....	0.0933	EA	50
MP40377.....	0.1021	EA	50
MP40379.....	0.1467	EA	50
MP40381.....	0.2121	EA	50
MP40388.....	0.0850	EA	25
MP40390.....	0.1042	EA	25
MP40392.....	0.1375	EA	25
MP40394.....	0.2002	EA	25
MP40403.....	0.2357	EA	25
MP40413.....	0.2536	EA	10
MP40415.....	0.2972	EA	10
MP40417.....	0.4628	EA	10
MP40464.....	0.0764	EA	50
MP40465.....	0.0765	EA	50
MP40467.....	0.0815	EA	50
MP40468.....	0.0834	EA	50
MP40470.....	0.0857	EA	50
MP40471.....	0.0933	EA	50
MP40475-1.....	0.0840	EA	50
MP40476-1.....	0.0871	EA	50
MP40476.....	0.0854	EA	50
MP40477-1.....	0.0946	EA	50
MP40478-1.....	0.1306	EA	50
MP40480-1.....	0.0898	EA	50
MP40481.....	0.0930	EA	50
MP40482-1.....	0.1287	EA	50
MP40482.....	0.1014	EA	50
MP40483-2.....	0.2089	EA	50
MP40483.....	0.1457	EA	50
MP40486.....	0.0849	EA	25
MP40487.....	0.1042	EA	25
MP40488-1.....	0.1995	EA	25
MP40488.....	0.1370	EA	25
MP40492-1.....	0.4559	EA	25
MP40808.....	1.1183	EA	10
MP40809.....	1.1412	EA	10
MP40810.....	1.1929	EA	10
MP40811.....	1.2439	EA	10
MP40812.....	1.2956	EA	10
MP40816.....	2.0211	EA	10
MP40817.....	2.0589	EA	10
MP40818.....	2.1231	EA	10
MP40876.....	0.1658	EA	50
MP4100.....	0.0716	EA	25
MP41754.....	0.1707	EA	25
MP41755.....	0.3354	EA	25
MP41756.....	0.4151	EA	10
MP41757.....	0.6841	EA	10
MP41758.....	0.7279	EA	10
MP41760.....	1.1914	EA	5
MP41762.....	0.4569	EA	25
MP41764.....	0.4809	EA	10
MP41765.....	0.7055	EA	10
MP41766.....	0.7500	EA	10
MP42017.....	0.4323	EA	25
MP42018.....	0.3485	EA	25
MP42019.....	0.3612	EA	25
MP42021.....	0.3875	EA	25
MP42023.....	0.3958	EA	25
MP42032.....	0.2542	EA	25
MP42034.....	0.2674	EA	25
MP42036.....	0.2885	EA	25
MP42037.....	0.2929	EA	25
MP42038.....	0.3148	EA	25
MP42039.....	0.3191	EA	25
MP42041.....	0.3701	EA	25
MP42043.....	0.4334	EA	25
MP42045.....	0.2976	EA	25
MP42046.....	0.4922	EA	25
MP42047-1.....	0.3439	EA	25
MP42047.....	0.3088	EA	25
MP42048-1.....	0.3965	EA	25
MP42048.....	0.3655	EA	25
MP42049-1.....	0.7430	EA	25
MP42049-2.....	0.4606	EA	10
MP42049.....	0.4210	EA	25
MP42051-14.....	0.3264	EA	25
MP42051.....	0.2885	EA	25
MP42052.....	0.2992	EA	25
MP42053.....	0.4226	EA	25
MP42054.....	0.3148	EA	25
MP42055.....	0.3800	EA	25
MP42056.....	0.3148	EA	25
MP42058.....	0.3655	EA	25
MP42060.....	0.3901	EA	25
MP42061.....	0.3063	EA	25
MP42062.....	0.4362	EA	25
MP42063.....	0.4794	EA	10
MP42064.....	0.3864	EA	10
MP42065.....	0.5119	EA	10
MP42066.....	0.5167	EA	10
MP42067.....	0.6367	EA	10
MP42068.....	0.7186	EA	10
MP42069.....	0.6495	EA	10
MP42070.....	0.6937	EA	10
MP42071-1.....	0.9325	EA	10
MP42075.....	0.3949	EA	25
MP42076.....	0.4611	EA	25
MP42078.....	0.5102	EA	25
MP42080.....	0.5600	EA	25
MP42081.....	0.6102	EA	10
MP42083.....	0.6422	EA	10
MP42084.....	0.7005	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP42085.....	0.7296	EA	10
MP42086.....	0.8544	EA	10
MP42087.....	0.8978	EA	10
MP42088.....	1.0172	EA	10
MP42089.....	1.0499	EA	10
MP42090.....	1.1948	EA	10
MP42091.....	1.2272	EA	10
MP42092.....	1.6234	EA	10
MP42093.....	1.2995	EA	10
MP42095.....	1.4243	EA	10
MP42097.....	1.7163	EA	10
MP42099.....	0.7169	EA	25
MP42101.....	0.7501	EA	25
MP42103.....	0.7977	EA	25
MP42104.....	0.8652	EA	10
MP42105.....	0.9087	EA	10
MP42106.....	1.1529	EA	10
MP42107.....	1.0932	EA	10
MP42108.....	1.1909	EA	10
MP42109.....	1.2270	EA	10
MP42110.....	1.2564	EA	10
MP42111.....	1.2685	EA	10
MP42112.....	1.3484	EA	10
MP42113.....	1.4104	EA	10
MP42115.....	1.5467	EA	10
MP42134.....	1.4125	EA	5
MP42135.....	1.4821	EA	5
MP42136.....	1.6057	EA	5
MP42137.....	1.5339	EA	5
MP42139.....	1.7479	EA	5
MP42141.....	2.1119	EA	5
MP42142.....	2.0480	EA	5
MP42143.....	2.2790	EA	5
MP42144.....	2.8047	EA	5
MP42145.....	2.7327	EA	5
MP42147.....	2.8364	EA	5
MP42165.....	1.4834	EA	5
MP42166.....	1.6760	EA	5
MP42167.....	1.7257	EA	5
MP42168.....	1.7196	EA	5
MP42169.....	1.5742	EA	5
MP42170.....	2.0104	EA	5
MP42171.....	2.3880	EA	5
MP42172.....	2.2468	EA	5
MP42173.....	2.7402	EA	5
MP42174.....	2.2686	EA	5
MP42176.....	3.1103	EA	5
MP42253.....	0.3850	EA	25
MP42258.....	0.3153	EA	25
MP42260.....	0.3427	EA	25
MP42261.....	0.4998	EA	25
MP42262.....	0.5384	EA	25
MP42265.....	0.4173	EA	25
MP42267.....	0.6460	EA	10
MP42268.....	0.6866	EA	10
MP42282.....	0.6942	EA	10
MP42284.....	0.6942	EA	10
MP42286.....	0.7193	EA	10
MP42287.....	0.7645	EA	10
MP42289.....	0.8129	EA	10
MP42291.....	0.9503	EA	10
MP42293.....	1.3725	EA	10
MP42305.....	0.8176	EA	10
MP42307.....	0.8643	EA	10
MP42309.....	0.9073	EA	10
MP42311.....	0.9073	EA	10
MP42312.....	1.0117	EA	10
MP42314.....	1.1670	EA	5
MP42315.....	1.1188	EA	10
MP42317.....	1.4458	EA	10
MP42319.....	1.8790	EA	10
MP42321.....	1.6598	EA	10
MP42327.....	1.3147	EA	5
MP42328.....	2.2468	EA	5
MP42329.....	2.6222	EA	5
MP42330.....	0.5942	EA	10
MP42331.....	0.5942	EA	10
MP42332.....	0.6193	EA	10
MP42333.....	0.7874	EA	10
MP42334.....	0.7129	EA	10
MP42336.....	0.8503	EA	10
MP42338.....	0.9430	EA	10
MP42340.....	0.7679	EA	10
MP42342.....	0.8073	EA	10
MP42345.....	1.0670	EA	5
MP42405.....	0.3027	EA	25
MP42406.....	0.4241	EA	25
MP42408.....	0.8400	EA	10
MP42409-18.....	1.4250	EA	10
MP42409-20.....	1.5519	EA	10
MP42415.....	0.3840	EA	25
MP42450.....	0.2165	EA	100
MP42451.....	0.2206	EA	100
MP42452.....	0.2249	EA	100
MP42453.....	0.2294	EA	100
MP42454.....	0.2394	EA	100
MP42455.....	0.2431	EA	50
MP42456.....	0.2515	EA	50
MP42457.....	0.3016	EA	50
MP42458-16.....	0.2345	EA	50
MP42458-20.....	0.3068	EA	25
MP42459-1.....	0.4696	EA	25
MP42460.....	0.0323	EA	100
MP42461.....	0.1323	EA	100
MP42462.....	0.1515	EA	100
MP42463.....	0.1568	EA	100
MP42464.....	0.1603	EA	100
MP42467.....	0.2262	EA	50
MP42468.....	0.2773	EA	50
MP42469-18.....	0.3563	EA	25
MP42469-20.....	0.3831	EA	25
MP4257.....	0.5511	EA	10
MP4264.....	0.6801	EA	10
MP4265.....	0.4973	EA	10
MP4271.....	0.4764	EA	10
MP4273.....	0.1501	EA	10
MP42739.....	0.3626	EA	25
MP42741.....	0.3677	EA	25
MP42742.....	0.3840	EA	25
MP42743.....	0.4132	EA	25
MP42745-1.....	0.7121	EA	25
MP42745-2.....	0.6198	EA	25
MP42745-7.....	0.9870	EA	25
MP42745.....	0.5979	EA	25
MP42746.....	0.3834	EA	25
MP42747.....	0.4158	EA	25
MP42749.....	0.4218	EA	25
MP4275.....	0.6213	EA	10
MP42751.....	0.4394	EA	25
MP42752.....	0.4559	EA	25
MP42754.....	0.5599	EA	25
MP42755.....	0.5643	EA	25
MP42756-1.....	0.5834	EA	25
MP42756.....	0.5691	EA	25
MP42757-1.....	0.6198	EA	25
MP42757.....	0.5982	EA	25
MP42758-1.....	1.4401	EA	25
MP42758.....	0.9087	EA	25
MP42759-2.....	0.9579	EA	10
MP42759.....	0.6442	EA	25
MP42763.....	0.5867	EA	25
MP42765.....	0.6176	EA	25
MP42766.....	0.6488	EA	25
MP42767.....	0.6770	EA	10
MP42768.....	0.7164	EA	10
MP42769.....	0.7679	EA	10
MP42770-1.....	0.8413	EA	10
MP42770.....	0.8306	EA	10
MP42771-1.....	0.8617	EA	10
MP42771.....	0.8527	EA	10
MP42772-1.....	1.7453	EA	10
MP42772.....	0.8713	EA	10
MP42773.....	0.8926	EA	10
MP42774-1.....	0.9583	EA	10
MP42774.....	0.9252	EA	10
MP42779.....	1.0344	EA	10
MP42780.....	1.0701	EA	10
MP42781.....	1.1070	EA	10
MP42783.....	1.2479	EA	10
MP42784.....	1.3220	EA	5
MP42785.....	1.3970	EA	5
MP42786.....	1.4302	EA	5
MP42787-1.....	1.6783	EA	5
MP42787.....	1.5829	EA	5
MP42788.....	1.7756	EA	5
MP42789.....	1.8439	EA	5
MP4279.....	0.4657	EA	10
MP42790.....	1.8209	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP42792.....	1.8436	EA	5
MP42795-1.....	2.7116	EA	5
MP42795-2.....	2.7019	EA	5
MP42795-3.....	3.3575	EA	5
MP42795.....	0.3738	EA	5
MP42796-3.....	4.9494	EA	5
MP42796.....	3.6588	EA	5
MP42797-1.....	1.5791	EA	5
MP42797-2.....	1.6870	EA	5
MP42797-3.....	1.6887	EA	5
MP42797.....	1.3260	EA	5
MP42798-1.....	2.0060	EA	5
MP42798-2.....	2.2894	EA	5
MP42798-3.....	2.7427	EA	5
MP42798.....	1.9116	EA	5
MP42801-1.....	2.4367	EA	5
MP42801-2.....	2.6709	EA	5
MP42801-3.....	3.0230	EA	5
MP42801.....	2.2025	EA	5
MP42802.....	3.0260	EA	5
MP42810.....	0.1172	EA	50
MP42812.....	0.1197	EA	50
MP42816.....	0.1154	EA	50
MP42818.....	0.1215	EA	50
MP42820.....	0.1427	EA	50
MP42822.....	0.1671	EA	50
MP42825.....	0.1283	EA	50
MP42827.....	0.1403	EA	50
MP42829.....	0.1630	EA	50
MP4283.....	2.3423	EA	10
MP42831.....	0.1802	EA	50
MP42834.....	0.1720	EA	50
MP42838.....	0.2156	EA	50
MP43020.....	0.7006	EA	50
MP43021.....	0.7166	EA	50
MP43022.....	0.8172	EA	50
MP43023.....	0.8166	EA	50
MP43024.....	1.0421	EA	25
MP43025.....	1.1043	EA	25
MP43026.....	1.3890	EA	10
MP43027.....	1.4779	EA	10
MP43028.....	1.7780	EA	10
MP43029.....	1.9047	EA	10
MP43030.....	0.7166	EA	50
MP43031.....	0.8166	EA	50
MP43032.....	1.0421	EA	25
MP43033.....	1.3902	EA	10
MP43034.....	1.7798	EA	10
MP43050.....	0.4077	EA	50
MP43051.....	0.3672	EA	50
MP43052.....	0.3887	EA	50
MP43053.....	0.3887	EA	50
MP43054.....	0.5225	EA	25
MP43055.....	0.6380	EA	25
MP43056.....	0.9360	EA	10
MP43057.....	1.1421	EA	10
MP43058.....	1.2721	EA	10
MP43059.....	1.3972	EA	10
MP432.....	0.5572	EA	25
MP43981.....	0.1702	EA	100
MP43983.....	0.1740	EA	100
MP43984.....	0.1886	EA	100
MP43985.....	0.3082	EA	50
MP43986.....	0.3337	EA	50
MP43987.....	0.4598	EA	25
MP43989.....	0.8058	EA	25
MP43990.....	1.1642	EA	10
MP440003.....	0.2522	EA	50
MP440004.....	0.3661	EA	50
MP440005.....	0.4278	EA	50
MP440006.....	0.6128	EA	10
MP440007.....	0.8592	EA	10
MP440008.....	1.5497	EA	10
MP440009.....	2.2048	EA	5
MP440013.....	0.2522	EA	50
MP440014.....	0.3661	EA	50
MP440015.....	0.4278	EA	50
MP440016.....	0.7350	EA	10
MP440017.....	0.8592	EA	10
MP440018.....	1.5497	EA	10
MP440019.....	3.0465	EA	5
MP44056.....	0.5553	EA	25
MP44057.....	0.5946	EA	25
MP44059.....	0.6355	EA	25
MP44071.....	0.6240	EA	25
MP44075.....	0.7198	EA	25
MP44077.....	0.8416	EA	25
MP44079.....	0.9724	EA	10
MP44081.....	1.0968	EA	10
MP44083.....	1.2317	EA	10
MP44090.....	1.1246	EA	10
MP44091.....	1.1835	EA	10
MP44092.....	1.3610	EA	10
MP44093.....	1.5270	EA	10
MP44097.....	1.6848	EA	10
MP44098.....	1.8239	EA	10
MP44101.....	2.0161	EA	10
MP44188.....	0.1914	EA	25
MP44189.....	0.2765	EA	10
MP44190.....	0.4340	EA	10
MP44191.....	0.5088	EA	10
MP44192.....	0.6598	EA	10
MP44193.....	0.8107	EA	10
MP44194.....	1.3376	EA	10
MP44196.....	5.7272	EA	5
MP4441.....	0.1764	EA	20
MP4442.....	0.1764	EA	20
MP4444.....	0.1764	EA	20
MP44461.....	0.4725	EA	10
MP44462.....	0.4547	EA	10
MP44463.....	0.5525	EA	10
MP44465.....	0.5874	EA	10
MP44467.....	0.5729	EA	10
MP44468.....	0.8186	EA	10
MP44470.....	1.4029	EA	10
MP44483.....	0.6585	EA	10
MP44484.....	0.7067	EA	10
MP44485.....	0.7468	EA	10
MP44486.....	0.7402	EA	10
MP44487.....	0.9156	EA	10
MP44488.....	0.7625	EA	10
MP44489.....	1.1033	EA	10
MP44490.....	1.2130	EA	10
MP44491.....	0.9629	EA	10
MP44493.....	1.2769	EA	10
MP44495.....	1.3142	EA	10
MP44505.....	0.9955	EA	10
MP44506.....	1.0941	EA	10
MP44507.....	1.1909	EA	10
MP44508.....	1.2168	EA	5
MP44509.....	1.3917	EA	5
MP44511.....	1.5382	EA	5
MP44513.....	1.7499	EA	5
MP44515.....	1.9344	EA	5
MP44517.....	1.7283	EA	5
MP44519.....	1.3402	EA	10
MP44520.....	1.5204	EA	10
MP44521.....	1.6264	EA	10
MP44522.....	1.8490	EA	10
MP44523.....	2.0504	EA	5
MP44524.....	2.5274	EA	5
MP44567.....	1.6462	EA	5
MP44568.....	2.0163	EA	5
MP44570.....	2.1716	EA	5
MP44572.....	2.3268	EA	5
MP44574.....	2.4880	EA	5
MP44576.....	3.7118	EA	5
MP44632.....	5.2879	EA	5
MP44634.....	6.5415	EA	5
MP44636.....	6.7923	EA	5
MP4520.....	0.3490	EA	25
MP4521.....	0.3971	EA	25
MP4522.....	0.4291	EA	25
MP4523.....	0.3790	EA	25
MP45230.....	0.3500	EA	50
MP45231.....	0.3500	EA	50
MP45232.....	0.3565	EA	50
MP45233.....	0.3634	EA	50
MP45234.....	0.3634	EA	50
MP45235.....	0.5694	EA	25
MP45236.....	0.5638	EA	25
MP45237.....	1.0152	EA	10
MP45238.....	1.0056	EA	10
MP45239.....	1.2475	EA	10
MP4524.....	0.5342	EA	25
MP4525.....	0.6480	EA	25
MP4526.....	0.6065	EA	25
MP4528.....	0.6185	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP4540	0.5219	EA	25
MP4541	0.5297	EA	25
MP4542	0.5605	EA	25
MP4544	0.8638	EA	25
MP4548	0.0488	EA	50
MP4549	0.0975	EA	50
MP4550	0.1764	EA	50
MP4551	0.1411	EA	25
MP4552	0.1602	EA	25
MP4553	0.1783	EA	25
MP4556	0.3263	EA	10
MP4557	0.2153	EA	10
MP4561	0.3824	EA	10
MP4562	0.3842	EA	10
MP4563	0.5415	EA	10
MP4564	0.6675	EA	10
MP4565	0.7180	EA	10
MP4566	0.6476	EA	10
MP4570	0.5762	EA	10
MP4571	0.6240	EA	10
MP4572	0.6752	EA	10
MP4573	0.8362	EA	10
MP4574	0.7917	EA	10
MP4575	0.9431	EA	10
MP4576	0.9865	EA	10
MP4577	1.1430	EA	10
MP4578	1.6528	EA	10
MP458	0.2153	EA	10
MP47318	0.2256	EA	25
MP47319-1	0.3031	EA	25
MP47319	0.3459	EA	25
MP47320-1	0.3395	EA	25
MP47320-2	0.4492	EA	25
MP47320-3	0.7970	EA	25
MP47322	0.2855	EA	25
MP47323	0.3006	EA	25
MP47324	0.3352	EA	25
MP47325	0.3459	EA	25
MP47327	0.3759	EA	10
MP47328	0.4060	EA	10
MP47329-1	0.4510	EA	10
MP47329-2	0.5051	EA	10
MP47329-3	0.5658	EA	10
MP47329-4	0.8605	EA	10
MP47329	0.4285	EA	10
MP47330	0.5356	EA	10
MP47331	0.5410	EA	10
MP47332	0.5712	EA	10
MP47333	0.6013	EA	10
MP47335	0.6912	EA	10
MP47337	0.7517	EA	10
MP47339	0.8644	EA	10
MP47340	0.8251	EA	10
MP47341	0.8334	EA	10
MP47342	0.8418	EA	10
MP47343	0.8643	EA	10
MP47344	0.8867	EA	10
MP47345	0.9919	EA	10
MP47346	1.0663	EA	10
MP47347	1.1407	EA	10
MP47348	1.3118	EA	10
MP47349-1	1.7348	EA	10
MP47349	1.5086	EA	10
MP47350	1.3889	EA	10
MP47351	1.5556	EA	10
MP47352	1.7423	EA	10
MP47538-1	0.6353	EA	25
MP47539	0.6817	EA	25
MP47540	0.7933	EA	25
MP47541	0.8349	EA	25
MP47542	0.8198	EA	25
MP47543	0.8765	EA	25
MP47544	1.1130	EA	25
MP47545	1.0502	EA	25
MP47546	1.2084	EA	25
MP47547	1.3336	EA	25
MP47548	1.7384	EA	25
MP47550	1.0465	EA	25
MP47551	1.2807	EA	25
MP47552	1.5225	EA	25
MP47553	1.7454	EA	25
MP47554	1.6963	EA	25
MP47555	1.8134	EA	25
MP47560	2.2063	EA	10
MP47561	2.2403	EA	10
MP47562	2.6076	EA	10
MP47563	2.6256	EA	10
MP483543	0.1997	EA	10
MP484	0.3858	EA	25
MP486	0.5014	EA	25
MP487	0.6091	EA	25
MP50	0.2760	EA	25
MP524	0.0676	EA	25
MP525	0.4029	EA	25
MP537	0.1516	EA	25
MP583	0.3987	EA	25
MP63856	0.2778	EA	50
MP63857	0.3300	EA	50
MP63858	0.3656	EA	50
MP63859	0.4254	EA	50
MP63860	0.4905	EA	25
MP63861	0.5364	EA	25
MP63865	0.4786	EA	25
MP63866	0.5299	EA	25
MP63867	0.5852	EA	25
MP63868	0.6711	EA	25
MP63869	0.7032	EA	25
MP63870	0.8517	EA	25
MP63875	0.9323	EA	25
MP63876	1.0294	EA	25
MP63877	1.0756	EA	25
MP63878	1.1043	EA	25
MP708	0.4149	EA	25
MP709700	10.1260	EA	1
MP709701	11.4778	EA	1
MP709702	13.3200	EA	1
MP709703	60.9537	EA	1
MP709704	24.1466	EA	1
MP709705	58.5304	EA	1
MP709706	81.7126	EA	1
MP715	0.6031	EA	10
MP716	0.6175	EA	10
MP717	0.6456	EA	10
MP718	0.5658	EA	10
MP72018	0.1140	EA	50
MP72020	0.1155	EA	50
MP72022	0.1198	EA	50
MP72026	0.1326	EA	50
MP72028	0.1155	EA	50
MP72032	0.1243	EA	50
MP72038	0.1595	EA	50
MP72040	0.1616	EA	50
MP72042	0.1683	EA	50
MP72046	0.1856	EA	50
MP72050	0.2171	EA	50
MP72052	0.1149	EA	50
MP72054	0.1637	EA	50
MP72056	0.1704	EA	50
MP72058	0.1768	EA	50
MP72060	0.1887	EA	50
MP72064	0.2291	EA	50
MP72066	0.2423	EA	50
MP72068	0.2552	EA	50
MP72070	0.1753	EA	50
MP72072	0.1822	EA	50
MP72074	0.1892	EA	50
MP72076	0.2033	EA	50
MP72080	0.2365	EA	50
MP72082	0.2482	EA	25
MP72084	0.2611	EA	25
MP72086	0.2707	EA	25
MP72088	0.2993	EA	25
MP72090	0.1757	EA	50
MP72092	0.2068	EA	50
MP72094	0.2139	EA	50
MP72096	0.2285	EA	50
MP72098	0.2462	EA	50
MP72100	0.2669	EA	50
MP72102	0.2859	EA	50
MP72104	0.3284	EA	50
MP72106	0.3565	EA	50
MP72108	0.3917	EA	25
MP72110	0.4563	EA	25
MP72112	0.5853	EA	25
MP72116	0.6253	EA	25
MP72120	0.2539	EA	50
MP72122	0.2660	EA	50
MP72124	0.2782	EA	50

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP72126.....	0.2947	EA	50
MP72128.....	0.3168	EA	50
MP72130.....	0.3385	EA	50
MP72132.....	0.3669	EA	50
MP72134.....	0.3974	EA	50
MP72136.....	0.4310	EA	25
MP72138.....	0.5493	EA	25
MP72140.....	0.6487	EA	25
MP72144.....	0.9455	EA	10
MP72150.....	0.3086	EA	25
MP72154.....	0.3183	EA	25
MP72156.....	0.3364	EA	25
MP72158.....	0.3575	EA	25
MP72160.....	0.3917	EA	25
MP72162.....	0.4291	EA	25
MP72164.....	0.4680	EA	10
MP72166.....	0.5073	EA	10
MP72168.....	0.6969	EA	10
MP72170.....	0.7659	EA	10
MP72174.....	1.1421	EA	10
MP72178.....	1.2953	EA	5
MP72180.....	1.5234	EA	5
MP72222.....	0.4563	EA	10
MP72226.....	0.6264	EA	10
MP72228.....	0.6931	EA	10
MP72230.....	0.7587	EA	10
MP72232.....	0.8265	EA	10
MP72234.....	0.8949	EA	10
MP72238.....	1.0313	EA	5
MP72242.....	1.3305	EA	5
MP72246.....	1.5337	EA	5
MP72248.....	1.8186	EA	5
MP72264.....	1.1946	EA	5
MP72268.....	1.2361	EA	5
MP72272.....	1.4471	EA	5
MP72276.....	1.6556	EA	5
MP72280.....	2.0181	EA	5
MP72284.....	2.2717	EA	5
MP72286.....	2.5568	EA	5
MP72308.....	2.4431	EA	5
MP72312.....	2.8347	EA	5
MP72316.....	3.8341	EA	5
MP72320.....	4.5470	EA	5
MP72322.....	5.2920	EA	5
MP73034.....	0.1668	EA	50
MP73036.....	0.1730	EA	50
MP73038.....	0.1802	EA	50
MP73040.....	0.1934	EA	50
MP73044.....	0.2251	EA	50
MP73046.....	0.2364	EA	25
MP73048.....	0.2485	EA	25
MP73050.....	0.2580	EA	25
MP73052.....	0.2850	EA	25
MP735.....	0.0810	EA	10
MP7380.....	2.3426	EA	5
MP7381.....	2.3426	EA	5
MP7382.....	2.3426	EA	5
MP7383.....	2.3426	EA	5
MP7384-1.....	3.9856	EA	5
MP7384.....	2.3426	EA	5
MP746.....	0.1660	EA	25
MP747.....	0.1325	EA	25
MP7575.....	1.5332	EA	10
MP7576.....	0.7201	EA	15
MP7577.....	0.3511	EA	25
MP7578.....	0.2360	EA	25
MP7580.....	0.6548	EA	25
MP7581.....	0.5981	EA	15
MP7582.....	0.6548	EA	25
MP7583.....	0.4538	EA	15
MP7586.....	0.9598	EA	10
MP7587.....	1.2498	EA	10
MP7588.....	0.7235	EA	15
MP7602.....	2.9389	EA	25
MP7604-50.....	0.8157	EA	15
MP7604-51.....	0.8157	EA	15
MP7604-52.....	0.3058	EA	15
MP7604-53.....	0.8157	EA	15
MP7604-54.....	0.8157	EA	15
MP7604-55.....	0.6114	EA	15
MP7604-56.....	0.8157	EA	15
MP7604-57.....	0.8157	EA	15
MP7604-58.....	0.6114	EA	15
MP771.....	0.8340	EA	10
MP7749.....	7.8398	EA	5
MP7752.....	0.0331	EA	50
MP7753.....	0.2080	EA	25
MP7812.....	0.2983	EA	10
MP7870.....	1.5609	EA	10
MP7955.....	0.2407	EA	25
MP8.....	0.4024	EA	20
MP838780-X.....	0.2709	EA	10
MP8432.....	1.4876	EA	25
MP8433.....	1.4876	EA	25
MP8434.....	1.6302	EA	25
MP8435.....	1.6302	EA	25
MP8436.....	1.6642	EA	25
MP8437.....	1.6642	EA	25
MP9.....	0.9894	EA	20
MP9001.....	0.7071	EA	10
MP9003.....	1.0109	EA	10
MP9004.....	1.2614	EA	10
MP9005.....	0.5259	EA	10
MP9006.....	1.0109	EA	10
MP9007.....	1.2614	EA	10
MP9015.....	1.1504	EA	10
MP9016.....	0.7171	EA	10
MP9017.....	0.5976	EA	10
MP9018.....	1.1553	EA	10
MP9020.....	1.0657	EA	10
MP9025.....	0.5358	EA	10
MP9031.....	0.5358	EA	10
MP9032.....	0.5358	EA	10
MP92248.....	0.4096	EA	10
MP92250.....	0.4837	EA	10
MP92252.....	0.5353	EA	10
MP92253.....	0.6768	EA	10
MP92255.....	0.7476	EA	10
MP92256.....	0.6919	EA	10
MP92263.....	0.1181	EA	10
MP92264.....	0.1221	EA	10
MP92265.....	0.1630	EA	10
MP92266.....	0.1844	EA	10
MP92267.....	0.2944	EA	10
MP92269.....	0.1526	EA	10
MP92270.....	0.2647	EA	10
MP92271.....	0.3173	EA	10
MP92272.....	0.4409	EA	10
MP92274.....	0.2715	EA	10
MP92276.....	0.3526	EA	10
MP92277.....	0.3935	EA	10
MP92278.....	0.5518	EA	10
MP92279.....	0.6353	EA	10
MP92281.....	1.0236	EA	10
MP92284.....	0.7096	EA	10
MP92286.....	0.8903	EA	10
MP92289.....	0.8991	EA	10
MP92291.....	1.4613	EA	10
MP92292.....	1.5653	EA	10
MP92310.....	0.2849	EA	25
MP92311.....	0.3057	EA	25
MP92312-1.....	0.3559	EA	25
MP92312.....	0.3305	EA	25
MP92313.....	0.3814	EA	25
MP92314.....	0.4077	EA	25
MP92321.....	0.4264	EA	25
MP92322.....	0.2291	EA	25
MP92323.....	0.5120	EA	25
MP92324.....	0.3478	EA	25
MP92325.....	0.6218	EA	25
MP92326.....	0.3963	EA	10
MP92327.....	0.4196	EA	10
MP92328-1.....	0.5003	EA	10
MP92328.....	0.4510	EA	10
MP92329.....	0.5305	EA	10
MP92330.....	0.5681	EA	10
MP92331.....	1.5607	EA	10
MP92332.....	0.7325	EA	10
MP92333.....	1.2391	EA	10
MP92337.....	0.2805	EA	25
MP92338.....	0.3000	EA	25
MP92342.....	0.5397	EA	10
MP92343.....	1.2633	EA	10
MP92344-1.....	1.4030	EA	10
MP92344.....	0.5805	EA	10
MP92345-1.....	1.5337	EA	10
MP92345.....	0.6535	EA	10
MP92346.....	1.6030	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP92347.....	0.9513	EA	10
MP92348.....	2.0750	EA	10
MP92349.....	2.2417	EA	10
MP92350.....	1.2508	EA	10
MP92352.....	0.9817	EA	10
MP92360.....	0.7380	EA	10
MP92361.....	0.8471	EA	10
MP92362.....	0.9733	EA	10
MP92363.....	1.0222	EA	10
MP92364-1.....	2.2969	EA	10
MP92364.....	1.0913	EA	10
MP92365.....	1.2122	EA	10
MP92366.....	1.3351	EA	10
MP92385-2.....	0.5953	EA	10
MP92386.....	0.9463	EA	10
MP92387.....	0.6168	EA	10
MP92388.....	1.1648	EA	10
MP92390-1.....	1.6064	EA	10
MP92390-2.....	1.2158	EA	10
MP92390-3.....	0.9120	EA	10
MP92390.....	0.8541	EA	10
MP92391-1.....	2.3442	EA	10
MP92391.....	2.0502	EA	10
MP92721.....	0.4729	EA	25
MP92722.....	0.3209	EA	25
MP92724.....	0.6445	EA	25
MP92726.....	0.8809	EA	10
MP92738.....	0.4167	EA	25
MP92742.....	1.0597	EA	10
MP92760.....	1.5985	EA	10
MP92764.....	2.1178	EA	10
MP92785-2.....	0.4383	EA	10
MP92787.....	0.6025	EA	10
MP92790.....	0.7551	EA	10
MP9303.....	0.2908	EA	20
MP9305.....	0.2952	EA	20
MP9306.....	0.4066	EA	10
MP9308.....	0.4351	EA	10
MP9310.....	0.4825	EA	10
MP9313.....	0.4897	EA	10
MP9330.....	0.5413	EA	10
MP9332.....	0.5540	EA	10
MP9334.....	0.5595	EA	10
MP9335.....	0.5601	EA	10
MP9336.....	0.5821	EA	10
MP9338.....	0.5735	EA	10
MP9339.....	0.5763	EA	10
MP9340.....	0.5842	EA	10
MP9341.....	0.5869	EA	10
MP9342.....	0.5900	EA	10
MP93606.....	0.0618	EA	50
MP93609.....	0.0732	EA	50
MP93611-1.....	0.2333	EA	25
MP93611.....	0.1523	EA	50
MP93613.....	0.2905	EA	25
MP93614.....	0.7457	EA	25
MP93616.....	2.8620	EA	10
MP93617.....	2.7710	EA	5
MP93624.....	0.0916	EA	25
MP93625.....	0.1266	EA	25
MP93626.....	0.2216	EA	25
MP93627.....	0.8751	EA	10
MP93628.....	1.1032	EA	10
MP93629.....	1.3356	EA	10
MP93631.....	0.9614	EA	10
MP93632.....	1.2000	EA	10
MP93767-1.....	0.2503	EA	50
MP93769.....	0.2922	EA	50
MP93779-1.....	0.1121	EA	50
MP93781.....	0.1692	EA	50
MP93935.....	0.1778	EA	25
MP93936.....	0.2308	EA	25
MP93937-1.....	0.1881	EA	25
MP93937.....	0.1530	EA	25
MP93938.....	0.1730	EA	25
MP93939.....	0.2129	EA	25
MP9394.....	0.6079	FT	10
MP93946.....	0.3036	EA	25
MP93947.....	0.3153	EA	25
MP93948.....	0.1909	EA	25
MP93949.....	0.3568	EA	25
MP9395.....	0.6711	FT	10
MP93950.....	0.2185	EA	25
MP93951.....	0.3014	EA	25
MP93959.....	0.4587	EA	25
MP9396.....	0.6876	EA	10
MP93960.....	0.2430	EA	25
MP93961.....	0.2974	EA	25
MP93962.....	0.5133	EA	25
MP9397.....	0.7168	EA	10
MP93970.....	0.1244	EA	25
MP93971.....	0.1478	EA	25
MP93972.....	0.1653	EA	25
MP9398.....	0.7181	EA	10
MP9399.....	0.7501	EA	10
MP9400.....	0.7645	EA	10
MP9401.....	0.7947	EA	10
MP9402.....	0.8043	EA	10
MP9403.....	0.8115	EA	10
MP9404.....	0.8610	EA	10
MP9405.....	0.9002	EA	10
MP9406.....	0.9393	EA	10
MP9407.....	0.9860	EA	10
MP9408.....	1.0355	EA	10
MP9409.....	1.0873	EA	10
MP9410.....	1.1416	EA	10
MP97000.....	0.0277	EA	50
MP97002.....	0.0300	EA	50
MP97004.....	0.0331	EA	50
MP97006.....	0.0499	EA	50
MP97008.....	0.0655	EA	50
MP97027.....	0.0453	EA	50
MP97029.....	0.0465	EA	50
MP97031.....	0.0694	EA	50
MP97033.....	0.0913	EA	25
MP97035.....	0.1091	EA	25
MP97037.....	0.1293	EA	25
MP97052.....	0.0565	EA	25
MP97054.....	0.0665	EA	25
MP97055.....	0.0735	EA	25
MP97056.....	0.0828	EA	25
MP97058.....	0.1225	EA	25
MP97060.....	0.1502	EA	25
MP97062.....	0.1653	EA	10
MP97079.....	0.0986	EA	25
MP97081.....	0.1266	EA	25
MP97083.....	0.1702	EA	25
MP97085.....	0.2009	EA	10
MP97087.....	0.2342	EA	10
MP97104.....	0.1378	EA	25
MP97106.....	0.1658	EA	25
MP97108.....	0.1982	EA	25
MP97110.....	0.2600	EA	10
MP97112.....	0.3022	EA	10
MP97131.....	0.2223	EA	5
MP97133.....	0.2776	EA	5
MP97135.....	0.3477	EA	5
MP97137.....	0.3985	EA	5
MP97147.....	0.2758	EA	10
MP97149.....	0.3294	EA	10
MP97151.....	0.3895	EA	10
MP97153.....	0.4781	EA	10
MP97157.....	0.6009	EA	10
MP97172.....	0.5624	EA	10
MP97176.....	0.7133	EA	10
MP97180.....	0.9352	EA	10
MP99000.....	0.1194	EA	50
MP99002.....	0.1086	EA	50
MP99004.....	0.1266	EA	50
MP99006.....	0.1890	EA	50
MP99008.....	0.2721	EA	50
MP99027.....	0.1707	EA	50
MP99029.....	0.1953	EA	50
MP99031.....	0.2955	EA	50
MP99033.....	0.3615	EA	25
MP99035.....	0.4311	EA	25
MP99037.....	0.5067	EA	25
MP99052.....	0.2421	EA	25
MP99054.....	0.2295	EA	25
MP99055.....	0.3144	EA	25
MP99056.....	0.3531	EA	25
MP99058.....	0.4725	EA	25
MP99060.....	0.5754	EA	25
MP99062.....	0.7110	EA	10
MP99081-1.....	0.4086	EA	25
MP99083.....	0.6921	EA	25
MP99104.....	0.6243	EA	25
MP99106.....	0.6732	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MP99108.....	0.8178	EA	25
MP99110.....	1.0707	EA	10
MP99112.....	1.2000	EA	10
MP99133.....	1.0959	EA	5
MP99147.....	1.1202	EA	10
MP99149.....	1.2840	EA	10
MP99151.....	1.5279	EA	10
MP99153.....	1.9506	EA	10
MP99157.....	2.3652	EA	10
MP99172.....	2.2290	EA	10
MP99176.....	2.8968	EA	10
MP99496.....	0.6408	EA	25
MP99498.....	0.7782	EA	25
MP99499.....	0.9054	EA	10
MP99500.....	1.1172	EA	10
MP9971.....	0.2595	EA	20
MP9972.....	0.3221	EA	20
MP9973.....	0.3266	EA	20
MP9974.....	0.3308	EA	20
MP9975.....	0.3384	EA	20
MP9976.....	0.3425	EA	20
MP9977.....	0.3469	EA	20
MP9978.....	0.3699	EA	10
MP9979.....	0.3747	EA	10
MP9980.....	0.3796	EA	10
MP9981.....	0.3848	EA	10
MP9982.....	0.3896	EA	10
MP9983.....	0.3947	EA	10
MP9984.....	0.3999	EA	10
MP9985.....	0.4060	EA	10
MP9986.....	0.4115	EA	10
MP9987.....	0.4194	EA	10
MP9988.....	0.4347	EA	10
MP9989.....	0.4383	EA	10
MP9990.....	0.4463	EA	10
MP9991-1.....	0.5254	EA	10
MP9991-2.....	0.5009	EA	10
MP9991-3.....	0.5049	EA	10
MP9991-4.....	0.5235	EA	10
MP9991-5.....	0.5971	EA	10
MP9991-6.....	0.6791	EA	10
MP9991.....	0.5058	EA	10
MP9994-1.....	1.0494	EA	10
MP9994-2.....	1.0812	EA	10
MP9994.....	0.8480	EA	10
MPC11263.....	0.1478	EA	10
MPC11264.....	0.1786	EA	10
MPC11702.....	0.1896	EA	10
MPC12301.....	0.1163	EA	10
MPC13429.....	0.0586	EA	25
MPC13430.....	0.4120	EA	10
MPC13431.....	0.0744	EA	10
MPC18272.....	0.5505	EA	25
MPC18619.....	0.0357	EA	25
MPC22014.....	0.2126	EA	10
MPC702144.....	2.4585	EA	10
MPC702148.....	2.5971	EA	10
MPC702190.....	3.1647	EA	10
MPC703001.....	0.1194	EA	50
MPC703005.....	0.1254	EA	50
MPC703009.....	0.1554	EA	50
MPC703013.....	0.1605	EA	50
MPC703017.....	0.2028	EA	50
MPC703055.....	0.1824	EA	50
MPC703059.....	0.2022	EA	50
MPC703063.....	0.2466	EA	50
MPC703067.....	0.3024	EA	25
MPC703071.....	0.3396	EA	25
MPC703075.....	0.5484	EA	25
MPC703105.....	0.2493	EA	25
MPC703109.....	0.2694	EA	25
MPC703111.....	0.6000	EA	25
MPC703113.....	0.3492	EA	25
MPC703117.....	0.4293	EA	25
MPC703121.....	0.4758	EA	25
MPC703125.....	0.5502	EA	10
MPC703155.....	0.4062	EA	25
MPC703158.....	0.4989	EA	25
MPC703159.....	0.4965	EA	25
MPC703163.....	0.5643	EA	25
MPC703165.....	0.6474	EA	10
MPC703166.....	0.9867	EA	10
MPC703170.....	1.1241	EA	10
MPC703171.....	0.7452	EA	10
MPC703205.....	0.5592	EA	25
MPC703304.....	1.0464	EA	5
MPC703305.....	1.0167	EA	5
MPC703309.....	1.1748	EA	5
MPC703312.....	1.6878	EA	5
MPC703313.....	1.2219	EA	5
MPC703316.....	1.9137	EA	5
MPC703317.....	1.3665	EA	5
MPC703405.....	1.1088	EA	10
MPC703409.....	1.3374	EA	10
MPC703413.....	1.5102	EA	10
MPC703417.....	1.6617	EA	10
MPC703425.....	2.0796	EA	10
MPC703509.....	2.5458	EA	10
MPC703517.....	2.6775	EA	10
MPC703525.....	3.1266	EA	10
MPC704080.....	1.0422	EA	25
MPC704130.....	1.3989	EA	10
MPC704146.....	3.0945	EA	10
MPC704226.....	2.5866	EA	10
MPC712100.....	0.2595	EA	50
MPC712101.....	0.2852	EA	50
MPC712102.....	0.2720	EA	50
MPC712103.....	0.4201	EA	50
MPC712104.....	0.3872	EA	50
MPC712105.....	0.5757	EA	50
MPC712106.....	1.3211	EA	25
MPC712107.....	1.4511	EA	25
MPC712108.....	0.7752	EA	25
MPC712109.....	0.5179	EA	25
MPC712200.....	0.0591	EA	50
MPC712201.....	0.0591	EA	50
MPC712202.....	0.0749	EA	50
MPC712203.....	0.0767	EA	50
MPC712204.....	0.0952	EA	50
MPC712205.....	0.0940	EA	50
MPC712206.....	0.1528	EA	25
MPC712207.....	0.1534	EA	25
MPC712208.....	0.1895	EA	25
MPC712209.....	0.1962	EA	25
MPC712212.....	0.3571	EA	10
MPC712213.....	0.3571	EA	10
MPC712214.....	0.5994	EA	10
MPC712215.....	0.6027	EA	10
MPC713200.....	0.1702	EA	50
MPC713202.....	0.1767	EA	50
MPC713204.....	0.2163	EA	50
MPC713206.....	0.2918	EA	25
MPC713208.....	0.3304	EA	25
MPC713210.....	0.4645	EA	10
MPC713212.....	0.6317	EA	10
MPC713214.....	0.8523	EA	10
MPC713216.....	1.4033	EA	5
MPC713218.....	1.7953	EA	5
MPC714100.....	0.4650	EA	50
MPC714101.....	0.4650	EA	50
MPC714102.....	0.4825	EA	50
MPC714103.....	0.4825	EA	50
MPC714106.....	0.6120	EA	25
MPC714107.....	0.6120	EA	25
MPC86382.....	0.8781	EA	25
MPC86383.....	0.5437	EA	25
MPC89466.....	0.5688	EA	25
MPC89470.....	0.6024	EA	25
MPC89472.....	0.7815	EA	25
MPC89506.....	1.0974	EA	25
MPC89544.....	2.4795	EA	10
MPC89546.....	2.6604	EA	10
MPKP44000.....	0.0334	EA	50
MPKP44001.....	0.0349	EA	50
MPKP44002.....	0.0369	EA	50
MPKP44003.....	0.0393	EA	50
MPKP44004.....	0.0473	EA	50
MPKP44006.....	0.0553	EA	50
MPKP44008.....	0.0659	EA	25
MPKP44020.....	0.0461	EA	50
MPKP44021.....	0.0506	EA	50
MPKP44022.....	0.0599	EA	50
MPKP44023.....	0.0649	EA	50
MPKP44025.....	0.0823	EA	25
MPKP44027.....	0.0977	EA	25
MPKP44029.....	0.1241	EA	25
MPKP44039.....	0.0958	EA	25
MPKP44040.....	0.0747	EA	25

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
MPKP44041.....	0.1122	EA	25
MPKP44042.....	0.0921	EA	25
MPKP44044.....	0.1076	EA	25
MPKP44046.....	0.1274	EA	25
MPKP44058.....	0.1164	EA	10
MPKP44059.....	0.1280	EA	10
MPKP44060.....	0.1387	EA	10
MPKP44062.....	0.1544	EA	10
MPKP44064.....	0.2533	EA	10
MPKP44066.....	0.2894	EA	10
MPKP44070.....	0.2711	EA	10
MPKP44076.....	0.1956	EA	25
MPKP44078.....	0.1633	EA	25
MPKP44080.....	0.2934	EA	10
MPKP44082.....	0.3349	EA	10
MPKP44084.....	0.2759	EA	10
MPKP44088.....	0.3323	EA	10
MPKP44112.....	0.3940	EA	10
MPKP44114.....	0.3249	EA	10
MPKP44116.....	0.3634	EA	10
MPKP44118.....	0.3980	EA	10
MPKP44122.....	0.4897	EA	10
MPKP44124.....	0.8695	EA	5
MPKP44131.....	0.8171	EA	5
MPKP44133.....	0.6257	EA	5
MPKP44135.....	1.0098	EA	5
MPKP44137.....	1.0715	EA	5
MPKP44139.....	1.1650	EA	5
MPKP44141.....	1.3428	EA	5
MPKP44146.....	1.2390	EA	5
MPKP44148.....	1.0139	EA	5
MPKP44150.....	1.5158	EA	5
MPKP44152.....	1.6028	EA	5
MPKP44154.....	1.1937	EA	5
MPKP44163.....	1.9089	EA	5
MPKP44165.....	2.1029	EA	5
MPKP44167.....	1.6017	EA	5
MPKP44169.....	2.4025	EA	5
MPKP44171.....	2.7768	EA	5
MPKP45000.....	0.0461	EA	50
MPKP45001.....	0.0485	EA	50
MPKP45002.....	0.0529	EA	50
MPKP45003.....	0.0570	EA	50
MPKP45004.....	0.0602	EA	50
MPKP45006.....	0.0739	EA	50
MPKP45008.....	0.0954	EA	25
MPKP45020.....	0.0672	EA	50
MPKP45021.....	0.0737	EA	50
MPKP45022.....	0.0809	EA	50
MPKP45023.....	0.0183	EA	50
MPKP45025.....	0.1153	EA	25
MPKP45027.....	0.1292	EA	25
MPKP45029.....	0.1608	EA	25
MPKP45039.....	0.0972	EA	25
MPKP45040.....	0.1369	EA	25
MPKP45041.....	0.1516	EA	25
MPKP45042.....	0.1775	EA	25
MPKP45044.....	0.1554	EA	25
MPKP45046.....	0.1731	EA	25
MPKP45058.....	0.1727	EA	10
MPKP45059.....	0.1346	EA	10
MPKP45060.....	0.2027	EA	10
MPKP45062.....	0.2262	EA	10
MPKP45064.....	0.2566	EA	10
MPKP45066.....	0.2870	EA	10
MPKP45070.....	0.3946	EA	10
MPKP45076.....	0.1996	EA	25
MPKP45078.....	0.1910	EA	25
MPKP45080.....	0.2976	EA	10
MPKP45082.....	0.3403	EA	10
MPKP45084.....	0.4085	EA	10
MPKP45088.....	0.4862	EA	10
MPKP45112.....	0.4011	EA	10
MPKP45114.....	0.4717	EA	10
MPKP45116.....	0.4500	EA	10
MPKP45118.....	0.5850	EA	10
MPKP45122.....	0.7231	EA	10
MPKP45124.....	0.8843	EA	5
MPKP45131.....	0.8319	EA	5
MPKP45133.....	0.9291	EA	5
MPKP45135.....	0.7226	EA	5
MPKP45137.....	1.0915	EA	5
MPKP45139.....	1.1867	EA	5
MPKP45141.....	1.3681	EA	5
MPKP86159.....	0.0527	EA	50
MPKP86160.....	0.0473	EA	50
MPKP86162.....	0.1009	EA	25
MPKP86163.....	0.2014	EA	25
MPKP86165.....	0.2435	EA	10
MPKP86166.....	0.3793	EA	10
MPKP86167.....	0.5773	EA	10
MPKP86168.....	0.8502	EA	10
MPKP86169.....	0.0526	EA	50
MPKP86170.....	0.0806	EA	50
MPKP86171.....	0.0670	EA	50
MPKP86172.....	0.1211	EA	25
MPKP86173.....	0.2115	EA	25
MPKP86175.....	0.3245	EA	10
MPKP86176.....	0.3702	EA	10
MPKP86177.....	0.9246	EA	10
MPKP86178.....	3.0785	EA	10
MR-2.....	0.2131	EA	10
MR-3.....	0.3244	EA	10
MRO15-DP.....	98.5058	EA	1
MRO150DND.....	129.9337	CS	1
MRO292.....	198.9864	EA	1
MRO30-DP.....	150.0748	EA	1
MRO300.....	69.6599	CS	1
MRO350DP.....	91.4340	EA	1
MRO555.....	82.7725	CS	1
MS1119.....	39.1034	EA	1
MS50.....	119.6528	EA	1
MS8319.....	165.1946	EA	1
MT-1.....	0.3922	EA	10
MT-2.....	0.3922	EA	10
MT-3.....	0.3922	EA	10
MT-5.....	0.3922	EA	10
MT-6.....	0.2233	EA	10
MVR-1000-U.....	93.6086	EA	1
MVR-175-CU.....	46.1523	EA	1
MVR-175-U.....	34.1956	EA	1
MVR-250-CU.....	50.4036	EA	1
MVR-250-U.....	34.1956	EA	1
MVR-400-CU.....	50.4036	EA	1
MVR-400-U.....	31.4290	EA	1
MZ-10.....	0.3816	EA	10
MZ-12.....	0.3219	EA	10
MZ-13.....	0.3816	EA	10
MZ-14.....	0.2606	EA	10
MZ-15.....	0.3816	EA	10
MZ-18.....	0.3922	EA	10
MZ-20.....	0.3207	EA	10
MZ-21.....	0.6139	EA	10
MZ-24.....	0.3575	EA	10
MZ-27.....	0.3922	EA	10
MZ-30.....	0.3816	EA	10
MZ-31.....	0.3922	EA	10
MZ-9.....	0.3816	EA	10
N01865.....	3.4768	EA	20
N03527.....	17.5536	EA	5
N03528.....	17.5536	EA	5
N03529.....	17.5536	EA	5
N03531.....	15.1474	EA	5
N03532.....	15.1474	EA	5
N03533.....	15.1474	EA	5
N05367.....	11.9462	EA	10
N05369.....	18.6656	EA	1
N05946.....	17.9140	EA	10
N06102.....	9.9071	EA	10
N06334.....	15.5184	EA	10
N06335.....	17.8398	EA	10
N06609.....	16.3657	EA	10
N06611.....	16.3657	EA	10
N06624.....	18.2258	EA	10
N06625.....	18.2258	EA	10
N06626.....	9.4492	EA	10
N06627.....	9.7374	EA	10
N07547.....	12.2263	EA	10
N07553.....	13.5362	EA	10
N07554.....	6.6983	EA	10
N07916.....	9.4576	EA	5
N08049.....	9.4576	EA	5
N08051.....	15.2863	EA	5
N08136.....	15.2863	EA	5
N09033.....	43.8660	EA	5
N09034.....	40.0786	EA	5
N09376.....	14.9915	EA	1
N09502.....	7.7339	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
N09586.....	17.3275	EA	1
N09650.....	18.5296	EA	1
N09698.....	10.6954	EA	20
N09700.....	11.7872	EA	20
N10627.....	1.4310	EA	25
N10628.....	1.1342	EA	25
N10629.....	1.9862	EA	25
N10630.....	1.8338	EA	25
N10640.....	1.5784	EA	25
N10645.....	1.4424	EA	25
N10647.....	1.4424	EA	25
N10648.....	1.4310	EA	25
N10649.....	1.4310	EA	25
N10650.....	1.8836	EA	25
N10651.....	1.6112	EA	25
N10652.....	1.6112	EA	25
N10653.....	1.8494	EA	25
N10654.....	1.9862	EA	25
N10655.....	2.0216	EA	25
N10656.....	1.7809	EA	25
N10657.....	1.8338	EA	25
N10661.....	2.2578	EA	25
N10670.....	4.2450	EA	25
N10671.....	4.2127	EA	25
N10675.....	5.7733	EA	25
N10677.....	5.7733	EA	25
N11393.....	1.4003	EA	25
N11395.....	1.3971	EA	25
N11396.....	1.3971	EA	25
N14561.....	5.7587	EA	10
N14870.....	8.7772	EA	10
N14871.....	8.5504	EA	10
N14872.....	10.2287	EA	10
N14873.....	14.8554	EA	10
N14874.....	17.5543	EA	10
N14875.....	23.1563	EA	10
N15590.....	4.4839	EA	1
N15591.....	6.6820	EA	1
N15593.....	6.4565	EA	1
N15594.....	5.6498	EA	1
N17043.....	9.5612	EA	1
N17044.....	17.3734	EA	1
N17084.....	3.1394	EA	20
N17881.....	16.8966	EA	1
N18655.....	8.2426	EA	1
N18656.....	10.1988	EA	1
N18657.....	9.8911	EA	1
N19111.....	15.3276	EA	1
N19112.....	9.7838	EA	1
N19262.....	10.8862	EA	5
N19263.....	10.8862	EA	5
N19264.....	9.8533	EA	5
N19265.....	10.8862	EA	5
N19267.....	11.2360	EA	5
N19268.....	11.2360	EA	5
N19269.....	10.1658	EA	5
N19270.....	11.2360	EA	5
N19271.....	11.2360	EA	5
N19279.....	17.6596	EA	5
N19280.....	17.6596	EA	5
N19281.....	15.9734	EA	5
N19282.....	17.6596	EA	5
N19283.....	17.6596	EA	5
N19285.....	20.3838	EA	5
N19286.....	20.0658	EA	5
N19287.....	18.1542	EA	5
N19288.....	20.0658	EA	5
N19289.....	20.0658	EA	5
N19548.....	1.9525	EA	20
N19550.....	2.2488	EA	20
N19551.....	2.4853	EA	20
N19884.....	2.4062	EA	20
N20051.....	13.0287	EA	1
N20053.....	12.3036	EA	1
N20054.....	7.8546	EA	1
N20495.....	14.3206	EA	1
N20496.....	24.0406	EA	1
N21237.....	12.5080	EA	1
N21287.....	13.6316	EA	5
N21288.....	13.6316	EA	5
N21289.....	12.3467	EA	5
N21290.....	13.6316	EA	5
N21291.....	13.6316	EA	5
N21634.....	22.2264	EA	1
N22160.....	9.9534	EA	1
N23599.....	2.4543	EA	25
N23602.....	2.1306	EA	25
N23604.....	2.8938	EA	25
N24588.....	2.6076	EA	1
N24589.....	3.6487	EA	1
N27338.....	2.2366	EA	25
N27340.....	2.2366	EA	25
N27739.....	3.8973	EA	25
N27753.....	2.0988	EA	25
N27755.....	2.0458	EA	25
N27955.....	2.1980	EA	25
N27956.....	2.0246	EA	25
N28803.....	10.8864	EA	1
N28804.....	12.2472	EA	1
N28805.....	12.3606	EA	1
N28855.....	2.4360	EA	20
N29534.....	4.6322	EA	1
N29535.....	5.7876	EA	1
N29536.....	4.7700	EA	1
N29537.....	5.9678	EA	1
N29538.....	9.2644	EA	1
N29539.....	10.4304	EA	1
N29540.....	11.5858	EA	1
N29541.....	12.7412	EA	1
N29748.....	2.2162	EA	20
N29852.....	4.1035	EA	20
N29853.....	4.9184	EA	20
N29854.....	4.0916	EA	20
N29855.....	5.3742	EA	20
N29856.....	3.9527	EA	20
N29864.....	8.4112	EA	10
N29868.....	11.7741	EA	10
N29886.....	9.9565	EA	1
N29887.....	9.5796	EA	20
N29899.....	4.0929	EA	20
N30432.....	3.0528	EA	20
N30435.....	2.9029	EA	20
N30444.....	8.1938	EA	20
N30445.....	9.3651	EA	20
N30448.....	10.0488	EA	20
N30449.....	11.3526	EA	20
N30609.....	1.8070	EA	20
N30611.....	1.9745	EA	20
N30612.....	1.9745	EA	20
N30613.....	1.9074	EA	20
N30614.....	2.7658	EA	20
N30615.....	2.9416	EA	20
N30617.....	2.9416	EA	20
N30619.....	2.0404	EA	20
N30620.....	2.2162	EA	20
N30627.....	8.0242	EA	20
N31328.....	1.6046	EA	5
N31329.....	1.7145	EA	5
N31595.....	2.9892	EA	1
N31596.....	4.7700	EA	1
N31597.....	2.3108	EA	1
N31598.....	1.8127	EA	5
N31599.....	1.6994	EA	5
N31600.....	1.6541	EA	5
N31601.....	1.6541	EA	5
N31602.....	1.6541	EA	5
N31603.....	2.2205	EA	5
N31604.....	2.8097	EA	5
N31605.....	2.7190	EA	5
N31606.....	2.7190	EA	5
N31607.....	2.8097	EA	5
N31608.....	2.8097	EA	5
N31753.....	2.0988	EA	25
N31754.....	3.3442	EA	25
N31755.....	2.0988	EA	25
N31756.....	2.1730	EA	25
N34817.....	5.7625	EA	1
N34818.....	4.7700	EA	1
N34819.....	10.7590	EA	1
N34820.....	10.4304	EA	1
N34821.....	2.4775	EA	5
N34822.....	2.4775	EA	5
N34823.....	3.2026	EA	5
N34824.....	3.8823	EA	5
N34825.....	3.8823	EA	5
N34826.....	4.0976	EA	5
N34827.....	4.4035	EA	5
N34828.....	4.4035	EA	5

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
N34829	4.4035	EA	5
N34830	4.4035	EA	5
N34831	4.4035	EA	5
N34832	5.6784	EA	5
N34833	6.4037	EA	5
N34834	6.4037	EA	5
N34835	8.1841	EA	5
N37100	17.3734	EA	1
N37101	14.8930	EA	1
N37102	15.6562	EA	1
N37103	15.6562	EA	1
N37193	21.4816	EA	1
N37957	18.2532	EA	1
N37958	18.2532	EA	1
N38855	13.3132	EA	1
N39207	3.7329	EA	20
N39259	5.0587	EA	10
N39307	5.7621	EA	10
N40098	4.0582	EA	10
N40099	3.9527	EA	20
N40147	5.4764	EA	10
N40148	4.7700	EA	10
N40149	7.4985	EA	10
N40515	13.5786	EA	10
N42292	22.4614	EA	1
N42294	22.4614	EA	1
N42295	21.3590	EA	1
N44447	25.9806	EA	1
N44448	27.3162	EA	1
N44449	27.3162	EA	1
N44534	31.9816	EA	1
N48921	9.9745	EA	10
N48983	6.4329	EA	10
N49104	6.5190	EA	10
N49105	7.3007	EA	10
N49106	10.1142	EA	10
N50680	4.1340	EA	10
N50681	4.2243	EA	10
N50682	4.1340	EA	10
N50683	4.1340	EA	10
N50685	5.2152	EA	10
N50686	5.4649	EA	10
N50687	5.2152	EA	10
N50688	5.2152	EA	10
N59420	26.7624	EA	1
N62067	5.4511	EA	10
N62068	5.4511	EA	10
N63500	1.0660	EA	10
N74000	2.2843	EA	10
N74600	1.7690	EA	10
N77700	1.0660	EA	10
N85100	1.6103	EA	10
NA-1	0.2870	EA	10
NA-12	0.3710	EA	10
NA-14	0.3710	EA	10
NA-26	0.3710	EA	10
NA-6	0.3710	EA	10
NH-1	0.2870	EA	10
NP469	205.6725	EA	1
NP601K	99.7642	EA	1
NS-46833	5.1264	EA	1
NS-90103	11.0736	EA	1
NS-CT-020	0.5724	EA	25
NS-CT-030	0.7314	EA	25
NS-CT-040	0.8904	EA	25
NS-CT-060	1.1130	EA	25
NS-CT-080	1.3568	EA	25
NS-CT-100	1.5688	EA	20
NS-CT-120	1.8020	EA	20
NS-CT-140	2.0246	EA	10
NS-CT-160	2.1942	EA	10
NT-9513-CB	0.1654	EA	700
NT-9517-CB	0.3531	EA	350
NT-9519-CB	0.5116	EA	220
NT-9521-CB	1.0507	EA	150
NT-9557-CB	0.1120	EA	1500
NT025	0.5512	EA	25
NT050	0.6254	EA	25
NT075	0.6996	EA	25
NT100	0.7738	EA	25
NT125	0.8480	EA	25
NT150	0.9222	EA	25
NT175	0.9964	EA	25
NT200	1.0812	EA	25
NT225	1.1554	EA	25
NT250	1.2402	EA	25
NT275	1.3462	EA	25
NT300	1.4628	EA	25
NT325	1.6006	EA	25
NT350	1.6854	EA	25
NT375	1.7702	EA	25
NT400	1.8550	EA	25
NT450	1.9398	EA	25
NT500	2.0246	EA	25
OM-77	38.3030	EA	1
OP100	62.8050	EA	1
OP150DND	114.0530	CS	1
OP315P	69.6599	EA	1
OP350DP	111.8893	EA	1
PEL-1820B	31.8655	EA	1
PEL-1824	11.2262	EA	1
PEL-1900T	13.6528	EA	1
PEL-1904	4.9184	EA	1
PEL-1970T	14.3254	EA	1
PEL-1980	23.7988	EA	1
PEL-2000B	34.3970	EA	1
PEL-2004	12.5610	EA	1
PEL-2200B	16.3256	EA	1
PEL-2204	6.2367	EA	1
PEL-2270C	17.2927	EA	1
PEL-2274	6.3466	EA	1
PEL-2300T	17.8202	EA	1
PEL-2304	6.0102	EA	1
PEL-2340B	18.0200	EA	1
PEL-2400B	28.9380	EA	1
PEL-2404	11.4692	EA	1
PEL-2600RS	39.8560	EA	1
PEL-2604LM	3.8266	EA	1
PEL-5003	14.2594	EA	1
PEL-6000MS	90.0910	EA	1
PEL-6050	174.6706	EA	1
PEL-6054	14.3693	EA	1
PEL-7050	124.3580	EA	1
PEL-8040B	43.0534	EA	1
PEL-8050	136.2933	EA	1
PEL-8054	14.1935	EA	1
PL30-015	11.1835	EA	1
PL30-016	11.1835	EA	1
PL30-017	11.1835	EA	1
PL30-018	11.1835	EA	1
PL30	35.0465	EA	1
PS65-50	8.7629	EA	1
PS67-50	9.9034	EA	1
PU-10	0.1526	EA	10
PU-13	0.1970	EA	10
PZD15	28.8730	CS	1
Part No	0.0000	UO	0
QB2HYG	71.0094	EA	1
QM24+	11.3069	EA	1
R-0581040-	7.2346	EA	1
R-102816-16	19.1865	EA	1
R-102820-20	23.5726	EA	1
R-102920-20	23.5726	EA	1
R-103620-20	57.2331	EA	1
R-204512-12	10.6524	EA	1
R-2E758-TP	52.9428	EA	1
R-2S40-TP	32.2964	EA	1
R-34820-1	1.8889	EA	100
R-34820-1/2	0.3891	EA	500
R-34820-3/4	1.1162	EA	200
R-34820-3/8	0.2466	EA	100
R-34820-5/16	0.2007	EA	100
R-34820-5/8	0.9445	EA	350
R-34820-7/16	0.3847	EA	100
R-34820-7/8	1.4596	EA	100
R-34820-9/16	0.7041	EA	100
R-539547-NY	264.6366	EA	1
R-563952-NY	0.2936	EA	100
R-565030-NY	17.3995	EA	1
R-565090-NY	5.5049	EA	1
R-565255-NY	26.6326	EA	1
R-565256-NY	14.7324	EA	1
R-565259-NY	21.0225	EA	1
R-565262-NY	21.7104	EA	1
R-572459-NY	56.0259	EA	1
R-572460-NY	62.9016	EA	1
R-572461-NY	102.0318	EA	1
R-572463-NY	56.1701	EA	1

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES - Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
R-572464-NY.....	64.8748	EA	1
R-572467-NY.....	119.3575	EA	1
R-572470-NY.....	66.1915	EA	1
R-572471-NY.....	71.3158	EA	1
R-572472-NY.....	71.5562	EA	1
R-572473-NY.....	133.0918	EA	1
R-572474-NY.....	141.9559	EA	1
R-576600-NY.....	75.2862	EA	1
R-578319-NY.....	21.0565	EA	1
R-578321-NY.....	56.2210	EA	1
R-578322-NY.....	99.9117	EA	1
R-704780-NY.....	8.8458	EA	1
R-704840-NY.....	188.4413	EA	1
R-705174-NY.....	38.1911	EA	1
R-705426-NY.....	22.1580	EA	1
R-705467-NY.....	29.1827	EA	1
R-93839-NY.....	0.1968	EA	50
R-93840-NY.....	0.3114	EA	50
R-93841-NY.....	0.3493	EA	50
R-93986-NY.....	0.3582	EA	50
R-94790-NY.....	0.3943	EA	50
R-95495-NY.....	82.8696	EA	1
R-FDC300-.....	31.3298	EA	1
R-FS300E-3/4....	64.9108	EA	1
R-FS315E-3/4....	64.9108	EA	1
R-FS315EB-3/4...	85.3112	EA	1
R-FS415E-1.....	64.9108	EA	1
R-FS515E-11/4...	53.0106	EA	1
R-LS415E-1.....	52.5802	EA	1
R-S182-.....	45.6292	EA	1
R-SB12-.....	14.5624	EA	1
R-SB90-12.....	41.3355	EA	1
R-SB90-16.....	64.0411	EA	1
R-SBD16L-.....	38.5604	EA	1
R-SFS12-.....	31.1697	EA	1
R-SFS16-.....	47.3200	EA	1
R-SFS6-.....	40.5198	EA	1
R-SFS8-.....	48.1700	EA	1
R-SWD20-.....	15.6100	EA	1
R-SWS20-.....	15.9225	EA	1
R-SWTD20-.....	41.9604	EA	1
R-SWTS20-.....	18.4725	EA	1
R227-55.....	597.2679	EA	1
RA-1.....	0.5907	EA	10
RA-2.....	0.4879	EA	10
RA-3.....	0.3816	EA	10
RA-4.....	0.3816	EA	10
RA-5.....	0.2694	EA	10
RA-7.....	0.2469	EA	10
RAG36150.....	126.3241	EA	1
RC100-321-11....	0.8976	EA	200
RC100-321-12....	1.0894	EA	200
RC100-321-13....	1.1498	EA	150
RC100-321-14....	0.9924	EA	175
RC100-321-16....	1.0479	EA	175
REL-2P32SC-.....	44.7378	EA	1
REL-2P59SRH-TP..	73.9131	EA	1
REL-3P32RH-TP...	51.4045	EA	1
REL-4P32RH-TP...	52.0038	EA	1
RG2.....	3.8571	EA	1
RN-30.....	0.5907	EA	10
RN-32.....	0.5955	EA	10
RO-1.....	0.3710	EA	10
RO-3.....	0.3710	EA	10
RO-4.....	0.4570	EA	10
RO-5.....	0.3414	EA	10
RO-7.....	0.3710	EA	10
RP-19435-.....	72.5506	EA	1
RS-1.....	0.5084	EA	10
RS-2.....	0.3013	EA	10
RS-3.....	0.2865	EA	10
RT09-50.....	10.2929	EA	1
RT116.....	9.4207	EA	1
RT127.....	9.4207	EA	1
RT60-50.....	10.2929	EA	1
RU-1.....	0.3710	EA	10
RU-16.....	0.4103	EA	10
RU-4.....	0.3710	EA	10
RU-45.....	0.3710	EA	10
RU-46.....	0.4124	EA	10
RV-1.....	0.5830	EA	10
S-1.....	0.3710	EA	10
S-16.....	0.4420	EA	10
S-22.....	0.3710	EA	10
S-225.....	0.2632	EA	10
S-23.....	0.4447	EA	10
S-3.....	0.3414	EA	10
S-31.....	0.4570	EA	10
S-32.....	0.4420	EA	10
S-4.....	0.3710	EA	10
S-5.....	0.6148	EA	10
S-6.....	0.6535	EA	10
S-68.....	0.3710	EA	10
S1420.....	6.1814	EA	12
S16S.....	0.4108	EA	12
S2110.....	8.0242	EA	1
S2119.....	8.7874	EA	1
SB-11.....	0.3837	EA	10
SB-13008-.....	451.8588	EA	1
SC-1.....	0.3710	EA	10
SC-10.....	0.3710	EA	10
SC-16.....	0.7655	EA	10
SC-19.....	0.8480	EA	10
SC-20.....	0.6148	EA	10
SC-21.....	0.2594	EA	10
SC-22.....	0.3710	EA	10
SC-24.....	0.2642	EA	10
SC-4.....	0.3710	EA	10
SC-6.....	0.3710	EA	10
SC-7.....	0.3710	EA	10
SC-8.....	0.3710	EA	10
SC-9.....	0.3710	EA	10
SC3075.....	0.0780	EA	100
SCR-1032-PTL....	0.6704	EA	25
SCR-1032-PTL1...	0.6704	EA	25
SCR-1032.....	0.1199	EA	25
SE-1.....	0.3710	EA	10
SGR-13006.....	94.7081	EA	1
SGR-19005.....	114.1557	EA	1
SGR-19024.....	11.2296	EA	12
SGR-19024E.....	4.0035	EA	12
SGR-19055.....	802.5159	EA	1
SGR-19128.....	26.6112	EA	6
SGR-30032.....	11.4396	EA	6
SIR36.....	303.6628	EA	1
SJO103.....	277.7800	EA	1
SJO104.....	331.4107	EA	1
SJO123.....	189.6387	EA	1
SJO124.....	248.7750	EA	1
SJO142.....	99.8212	EA	1
SJO143.....	132.0195	EA	1
SJO144.....	186.6044	EA	1
SJO163.....	95.3293	EA	1
SJO164.....	120.7700	EA	1
SJO183.....	76.6662	EA	1
SJO184.....	102.9568	EA	1
SK-1.....	0.2067	EA	10
SKA-ATK.....	269.6746	EA	1
SKABKT.....	70.2610	EA	1
SKAPP.....	43.3112	EA	1
SKASAK.....	130.7785	EA	1
SKOATK.....	75.9140	EA	1
SKOBKT.....	70.2610	EA	1
SKOPP.....	43.3112	EA	1
SKOSAK.....	130.7785	EA	1
SL-1.....	0.3710	EA	10
SL-20.....	0.2917	EA	10
SP21782-MTO.....	11.3501	EA	5
SPC100.....	73.9907	CS	1
SPC150.....	161.0940	EA	1
SPC810.....	182.8288	EA	1
SQ-1.....	0.2061	EA	10
SQ-2.....	0.5811	EA	10
SQ-5614-CB.....	0.2748	EA	425
SQ-5616-CB.....	0.2954	EA	400
SQ-5618-CB.....	0.3160	EA	340
SQ-5620-CB.....	0.3383	EA	300
SQ-5624-CB.....	0.3795	EA	250
SQ-5814-CB.....	0.3743	EA	250
SQ-5816-CB.....	0.4035	EA	225
SQ-5818-CB.....	0.4327	EA	175
SQ-5820-CB.....	0.4619	EA	175
SQ-5822-CB.....	0.4894	EA	160
SQ-5824-CB.....	0.5186	EA	150
SQ-5826-CB.....	0.5478	EA	140
SQ-5828-CB.....	0.5770	EA	125
SQ-5832-CB.....	0.6336	EA	115
SQ-5836-CB.....	0.9479	EA	100

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
SQ-5837-CB	0.9891	EA	90
SQ-6020-CB	0.7350	EA	120
SQ-6022-CB	0.7762	EA	110
SQ-6024-CB	0.8174	EA	100
SQ-6026-CB	0.8603	EA	90
SQ-6028-CB	0.9015	EA	85
SQ-6032-CB	0.9840	EA	75
SQ-6124-CB	1.0973	EA	70
SQ-6126-CB	1.1591	EA	65
SQ-6128-CB	1.2209	EA	60
SQ-6132-CB	1.3429	EA	50
SQ-6136-CB	1.4665	EA	50
SR-4	0.3168	EA	10
SR-5	0.2273	EA	10
SR-6	0.3633	EA	10
SR-8	0.5724	EA	10
SS25UL-6-RL	6499.9970	EA	1
SS25UL-8-RL	11040.6240	EA	1
SU-10	0.4675	EA	10
SU-11	0.6337	EA	10
SU-12	0.5238	EA	10
SU-13	0.3943	EA	10
SU-14	0.4675	EA	10
SU-15	0.3816	EA	10
SU-16	0.4792	EA	10
SU-17	0.5512	EA	10
SU-18	0.2444	EA	10
SU-7	0.4710	EA	10
SU-8	0.0833	EA	10
SU-9	0.5203	EA	10
SUM-10485	0.6623	EA	12
SUM-12910	2.1269	EA	12
SUM-12990	2.1269	EA	12
SUM-70530	6.7290	BX	1
SUM-70540	6.6945	BX	1
SUM-70550	7.2371	BX	1
SUM-72430	7.9154	BX	1
SUM-88850	24.8728	BX	1
SUR-FS-640PB	7.8082	EA	10
SUR-FS2	1.2402	EA	25
SUR-FS4	1.2402	EA	25
SUR-FS5	1.2402	EA	25
SW-6	104.9400	EA	1
SXT100	69.7801	CS	1
SXT15P	74.5917	EA	1
SXT200	81.8108	CS	1
SXT30DP	115.4989	EA	1
T-2	0.3087	EA	10
T-7	0.3710	EA	10
TK110	2.9555	EA	1
TK112	6.9642	EA	1
TK130	4.5580	EA	1
TL22-10	6.8712	EA	1
TL22-50	10.2929	EA	1
TL42-10	6.8712	EA	1
TL42-250	47.5977	EA	2
TL71-250	47.5977	EA	2
TL90-50	10.2929	EA	1
TM58	372.9621	EA	1
TNB-5231-	3.0104	EA	25
TNB-5232-	1.4974	EA	25
TNB-5233-	1.9831	EA	25
TNB-5234-	2.5280	EA	10
TNB-5235-	12.4281	EA	5
TNB-5236-	18.6381	EA	2
TNB-5237-	32.0874	EA	1
TNB-5241-	4.6428	EA	25
TNB-5242-	4.6428	EA	25
TNB-5243-	7.0808	EA	10
TNB-5244-	14.4054	EA	5
TNB-5245-	22.2228	EA	5
TNB-5246-	31.5811	EA	2
TNB-5247-	40.5703	EA	1
TNB-5251-	4.6428	EA	25
TNB-5252-	3.9962	EA	25
TNB-5253-	6.0526	EA	10
TNB-5254-	10.7908	EA	5
TNB-5255-	23.5173	EA	5
TNB-5256-	34.1859	EA	2
TNB-5257-	44.2585	EA	1
TNB-5332-GR	7.5600	EA	25
TNB-5333-GR	11.1548	EA	25
TNB-5334-GR	17.9682	EA	10
TNB-5342-GR	10.9637	EA	25
TNB-5343-GR	20.3420	EA	10
TNB-5344-GR	32.2482	EA	5
TNB-5352-GR	11.6620	EA	25
TNB-5353-GR	17.5948	EA	10
TNB-5354-GR	33.6453	EA	5
TR-33	0.5512	EA	10
TR-36	0.3059	EA	10
TR-37	0.5512	EA	10
TR-38	0.3349	EA	10
TR-39	0.5512	EA	10
TR-40	0.5512	EA	10
TR-41	0.2683	EA	10
TR-42	0.3323	EA	10
TR-46	0.8374	EA	10
TR-47	0.3922	EA	10
TR-48	0.7102	EA	10
TR-49	0.7102	EA	10
TR-50	0.7102	EA	10
TR-53	0.3816	EA	10
UN-17	0.3922	EA	10
UN-18	0.3377	EA	10
UN-2	0.5402	EA	10
UN-3	0.6156	EA	10
UN1019	181.3088	CS	1
UN1113	125.4827	CS	1
UN1719	133.5600	EA	1
UN3800	243.0580	EA	1
UVXS1169	10.1230	EA	1
UVXS1169C	11.0346	EA	1
UVXS135	8.3714	EA	1
UVXS1600	8.1620	EA	1
UVXS1600X	9.0630	EA	1
UVXS1603X	10.2714	EA	1
UVXS1604	12.6882	EA	1
UVXS1800	8.6178	EA	1
UVXS1801	9.8262	EA	1
UVXS1900	9.8262	EA	1
UVXS2500	12.2430	EA	1
UVXS2530	10.6896	EA	1
UVXS2730	10.1230	EA	1
UVXS3200	10.1744	EA	1
UVXS3200X	10.9472	EA	1
UVXS3201	11.2047	EA	1
UVXS3201X	11.9775	EA	1
UVXS3205X	11.9775	EA	1
UVXS3206	17.9776	EA	1
UVXS3208	19.4934	EA	1
UVXS3212X	11.9775	EA	1
UVXS3213X	14.0556	EA	1
UVXS3240	10.1744	EA	1
UVXS3243	12.7502	EA	1
UVXS3260	10.1744	EA	1
UVXS3263	14.9566	EA	1
UVXS345C	12.2430	EA	1
UVXS39610C	14.4245	EA	1
UVXS400C	18.2850	EA	1
UVXS4500	6.8052	EA	1
UVXS4501	8.0136	EA	1
UXT100	85.5406	CS	1
UXT15P	89.6310	EA	1
UXT200	90.3522	CS	1
UXT30DP	159.8919	EA	1
V-25	0.4085	EA	10
V-26	0.3019	EA	10
V-28	0.3498	EA	10
V-29	0.3498	EA	10
V-2E75S-TP	55.9720	EA	1
V-2S40-TP	33.4366	EA	1
V-30	0.1963	EA	10
V-32	0.3922	EA	10
V-33	0.3498	EA	10
V-35	0.3816	EA	10
V-36	0.3816	EA	10
VA-2	0.3875	EA	10
VEL-2P32SC-	44.7378	EA	1
VEL-2P59SRH-TP	66.3417	EA	1
VEL-3P32RH-TP	52.1155	EA	1
VEL-4P32RH-TP	53.1215	EA	1
VL-10	0.4103	EA	10
VL-11	0.9540	EA	10
VL-12	1.6218	EA	10
VL-4	0.2659	EA	10
VL-5	0.2659	EA	10
VL-6	0.2733	EA	10

*** ALL NET PRICES ALREADY DISCOUNTED 80% ***

GRAYSON NET PRICES – Effective Date 11/01/2015

ITEM NO.	NET PRICE	UOM	QUAN BOX
VO-1	0.3672	EA	10
W-1	0.3087	EA	10
W-10612-	0.2300	EA	10
W-10613-	1.0176	EA	10
W-15310-	3.9114	EA	5
W-15700-	3.9114	EA	5
W-15709-	2.5228	EA	10
W-15710-	2.8726	EA	5
W-15711-	5.5637	EA	5
W-15712-	5.3318	EA	5
W-15762-	4.5686	EA	5
W-16310-	2.6076	EA	5
W-16523-	6.5932	EA	5
W-16678-	14.2676	EA	5
W-16684-	2.9998	EA	10
W-16685-	2.9256	EA	5
W-17051-	5.0190	EA	5
W-17061-	6.2963	EA	10
W-17504-	16.9467	EA	5
W-17525-	1.8656	EA	5
W-17621-	4.1446	EA	5
W-17663-	24.7521	EA	5
W-17690-	2.0988	EA	10
W-17691-	2.0776	EA	10
W-20291-	3.6532	EA	5
W-20292-	2.7348	EA	5
W-20475-	1.9928	EA	10
W-20722-	1.7702	EA	10
W-21204-	2.5440	EA	5
W-21825-	2.6047	EA	5
W-21826-	4.2400	EA	10
W-21993-	4.4766	EA	10
W-22062-	2.2578	EA	10
W-22063-	1.7490	EA	5
W-22065-	5.9018	EA	5
W-22359-	7.6522	EA	5
W-22360-	12.8738	EA	5
W-22858-	2.7666	EA	10
W-23464-	20.1665	EA	5
W-24318-	1.1448	EA	5
W-03754-	0.1529	EA	20
W-03755-	0.7654	EA	5
W-03896-	1.5476	EA	5
W-03897-	0.4136	EA	10
W-05053-	1.1660	EA	10
W-05102-	1.3886	EA	10
W-05103-	2.4910	EA	10
W-05113-	3.5751	EA	5
W-05127-	0.8371	EA	5
W-05134-	1.7066	EA	5
W-05177-	6.5735	EA	5
W-05183-	0.9627	EA	5
W-05465-	2.9148	EA	10
W-05498-	3.8153	EA	5
W-05499-	9.0429	EA	5
W-05509-	1.0176	EA	5
W-05514-	1.4310	EA	5
W-05522-	1.3462	EA	5
W-05539-	0.9823	EA	5
W-05730-	5.3011	EA	10
W-05824-	1.5370	EA	10
W-05826-	1.4734	EA	5
W-05827-	3.3980	EA	5
W-05829-	1.5158	EA	5
W-00360-	0.4188	EA	20
W-00361-	0.1012	EA	25
W-00455-	0.2923	EA	10
W-00457-	0.0765	EA	25
WCS230	140.6263	EA	1
WCS270	123.2180	EA	1
WCS290	248.2796	EA	1
WE-1	0.3087	EA	10
WE08U-S72	8.2111	EA	2
WE12U-S70	6.9569	EA	2
WE12U-S76	24.6050	EA	2
WE3400X2W	0.4290	EA	10
WE43008U-612	11.3509	EA	1
WE43008U-A68	24.0679	EA	2
WE43008U-L68	18.4580	EA	1
WE43008U-S70	13.1466	EA	1
WE43024U-124	23.2170	EA	1
WE43024U-524	24.3141	EA	1
WE43024U-624	30.7523	EA	1
WE43024U-G84	34.3251	EA	1
WE43032U-632	53.0976	EA	1
WHH43012-150	741.6429	EA	1
WIL11130220	8.8092	EA	1
WIL11150303	12.0204	EA	1
WIL11150306	11.1830	EA	1
WIL11150326	14.6598	EA	1
WIL11150350	9.3704	EA	1
WIL11150353	12.3914	EA	1
WIL11150500	7.4094	EA	1
WIL11150501	7.8546	EA	1
WIL1115075	7.8546	EA	1
WIL11150750	5.5968	EA	1
WIL11150771US	6.0420	EA	1
WK-1	0.2675	EA	10
WK-2	0.3710	EA	10
WR-1	0.3526	EA	10
WR-2	0.2302	EA	10
WR-3	0.3710	EA	10
WR-4	0.3710	EA	10
WR-5	0.3710	EA	10
WS-2	0.4224	EA	10
XL-7	0.3480	EA	10
Y-1	0.3710	EA	10
Y-10	0.9295	EA	10
Y-101	0.3517	EA	10
Y-103	0.3710	EA	10
Y-105	0.4152	EA	10
Y-11	0.3710	EA	10
Y-12	0.3710	EA	10
Y-13	0.3710	EA	10
Y-138	1.3192	EA	10
Y-14	0.3710	EA	10
Y-149	0.3255	EA	10
Y-15	0.3710	EA	10
Y-152	0.2415	EA	10
Y-153	0.2862	EA	10
Y-154	0.2971	EA	10
Y-155	0.2862	EA	10
Y-156	0.8665	EA	10
Y-157	0.2862	EA	10
Y-158	0.7160	EA	10
Y-159	0.3436	EA	10
Y-2	0.3710	EA	10
Y-220	0.3710	EA	10
Y-251	0.7363	EA	10
Y-3	0.3480	EA	10
Y-4	0.3710	EA	10
Y-52	0.3710	EA	10
Y-54	0.4982	EA	10
Y-6	0.3710	EA	10
Y-78	0.4982	EA	10
Y-79	0.6696	EA	10
Y-9	0.3517	EA	10
YM-57	0.2687	EA	10
YM-58	0.2696	EA	10
YM-59	0.6428	EA	10
YM-60	0.8665	EA	10
YM-61	0.7124	EA	10
YM-62	0.5422	EA	10
YM-63	0.3645	EA	10