



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER
707EC020

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
JOHN JOHNSTON 304-558-2402

RFQ COPY  
 TYPE NAME/ADDRESS HERE

*Leslie Equipment*

DIVISION OF HIGHWAYS  
 EQUIPMENT DIVISION  
 ROUTE 33  
 BRUSHY FORK ROAD  
 BUCKHANNON, WV  
 26201 304-472-1750

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/07/2007				
BID OPENING DATE: 04/11/2007		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		760-51	\$338,317.92	\$338,317.92
SKID STEER LOADER WITH ATTACHMENTS  OPEN END CONTRACT  TO PROVIDE SKID STEER LOADER WITH ATTACHMENTS AS DESCRIBED IN ATTACHED PROCUREMENT SPECIFICATION 351-2-F  THERE WILL BE A MANDATORY PRE-BID CONFERENCE AT THE STATE CAPITOL COMPLEX, BUILDING 15, CONFERENCE ROOM, AT 10:00 AM ON 3/29/07. FAILURE TO ATTEND THE PRE-BID CONFERENCE WILL RESULT IN BID DISQUALIFICATION.  QUESTIONS: WRITTEN QUESTIONS WILL BE ACCEPTED THROUGH CLOSE OF BUSINESS (5:00PM EST) ON TUESDAY, 3/20/07.  SEND YOUR QUESTIONS TO: PURCHASING DIVISION ATTENTION JOHN JOHNSTON 2019 WASHINGTON ST. E. CHARLESTON, WV. 25305  QUESTIONS MAY BE SENT VIA FAX, E-MAIL, OR REGULAR MAIL E-MAIL: JJOHNSTON@WVADMIN.GOV FAX: 304-558-4115  IT IS THE VENDORS RESPONSIBILITY TO VERIFY THAT THEIR QUESTIONS HAVE BEEN RECEIVED BY CALLING 304-558-2402.  EXHIBIT 2  LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON ..... AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE						

RECEIVED  
 2007 MAY -9 P 1:07  
 PURCHASING DIVISION  
 STATE OF WV

SIGNATURE <i>John Johnston</i>			SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
TITLE <i>Branch Manager</i>	TELEPHONE <i>304-558-3371</i>	DATE <i>5-09-07</i>	ADDRESS CHANGES TO BE NOTED ABOVE		
FEIN <i>55-049-3180</i>	WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'				



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<p>ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING THIRTY (30) DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS, AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK).</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIES BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY</p>						

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<p>ORDERED FOR DELIVERY DURING THE TERM OF CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN EQUIPMENT CONTRACT ORDER (FORM NUMBER WV-35) FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL WV-35 MUST BE SENT TO THE PURCHASING DIVISION OF THE DEPARTMENT OF ADMINISTRATION. AFTER APPROVAL AND ENCUMBRANCE, ONE COPY OF THE PURCHASE ORDER WILL BE RETURNED TO THE SPENDING UNIT AND ONE COPY FORWARDED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT. NO ORDER IS VALID UNLESS APPROVED AND ENCUMBERED BY THE PURCHASING DIVISION.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>REV. 9/98</p> <p>EXHIBIT 6</p> <p>PRICE ADJUSTMENT PROVISION:          THE STATE OF WEST VIRGINIA WILL CONSIDER BIDS THAT CONTAIN PROVISIONS FOR PRICE ADJUSTMENTS PRIOR TO THE ORIGINAL EXPIRATION OF THE CONTRACT, PROVIDED THAT SUCH PRICE ADJUSTMENT COVERS BOTH UPWARD AND DOWNWARD MOVEMENT OF THE COMMODITY PRICE, AND THAT ADJUSTMENT IS BASED ON THE "PASS THROUGH" INCREASE OR DECREASE OF RAW MATERIALS AND/OR LABOR, WHICH MAKE UP ALL OR A SUBSTANTIAL PART OF A PRODUCT. ADJUSTMENTS ARE TO BE BASED UPON AN ACTUAL DOLLAR FIGURE, NOT A PERCENTAGE. ALL PRICE ADJUSTMENT REQUESTS MUST BE SUBSTANTIATED IN A MANNER ACCEPTABLE TO THE DIRECTOR PURCHASING, E.G.</p>						

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<p>GOVERNMENTAL BENCH MARKS, GENERAL MARKET INCREASE, PUBLISHED PRICE LISTS. SUCH REQUESTS FOR AND INCREASE SHOULD BE RECEIVED IN WRITING BY THE DIRECTOR OF PURCHASING AT LEAST 30 DAYS IN ADVANCE OF THE EFFECTIVE DATE OF THE INCREASE. ANY TIME THE VENDOR REQUESTS A PRICE ADJUSTMENT, THE PURCHASING DIVISION MAY EITHER ACCEPT THE PRICE ADJUSTMENT AND AMEND THE CONTRACT ACCORDINGLY OR REJECT THE ADJUSTMENT IN ITS ENTIRETY AND CANCEL THE CONTRACT.</p> <p>EXHIBIT 4</p> <p>LOCAL GOVERNMENT BODIES: UNLESS THE VENDOR INDICATES IN THE BID HIS REFUSAL TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO COUNTY, SCHOOL, MUNICIPAL AND OTHER LOCAL GOVERNMENT BODIES, THE BID SHALL EXTEND TO POLITICAL SUBDIVISIONS OF THE STATE OF WEST VIRGINIA. IF THE VENDOR DOES NOT WISH TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO ALL POLITICAL SUBDIVISIONS OF THE STATE, THE VENDOR MUST CLEARLY INDICATE SUCH REFUSAL IN HIS BID. SUCH REFUSAL SHALL NOT PREJUDICE THE AWARD OF THIS CONTRACT IN ANY MANNER.</p> <p>REV. 3/88</p> <p>VENDOR PREFERENCE CERTIFICATE</p> <p>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</p> <p>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>( ) BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND</p>						

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<p>HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p><input checked="" type="checkbox"/> BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>( ) BIDDER IS A CORPORATION 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.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p><input checked="" type="checkbox"/> 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;</p> <p>OR</p> <p>( ) BIDDER IS A NONRESIDENT VENDOR EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS OR IS A</p>						

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<p>NONRESIDENT VENDOR WITH AN AFFILIATE OR SUBSIDIARY WHICH MAINTAINS ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES OR BIDDERS' AFFILIATE'S OR SUBSIDIARY'S EMPLOYEES ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX &amp; 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 ISSUED; 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.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND 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.</p> <p>UNDER PENALTY OF LAW FOR FALSE SWEARING (WEST VIRGINIA CODE 61-5-3), 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</p>						

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TITLE \_\_\_\_\_ FEIN \_\_\_\_\_ ADDRESS CHANGES TO BE NOTED ABOVE

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<p>TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p> <p>BIDDER: <u>LESLIE EQUIPMENT</u></p> <p>DATE: <u>5-9-07</u></p> <p>SIGNED: <u>Jay Shanklin</u></p> <p>TITLE: <u>SALES REP</u></p> <p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B". (REV. 12/00)</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION          PURCHASING DIVISION          BUILDING 15          2019 WASHINGTON STREET, EAST          CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p>						

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ADDENDUM #2  
707EC020

OPEN END CONTRACT

SKID STEER LOADER WITH ATTACHMENTS

CHANGES TO SPECIFICATIONS:

**FROM:**

5.1 SECOND PARAGRAPH

Prices for the units with attachments shall be in quantities of 1-5, 6-10, and 11 and over. However, for evaluation purposes, we will use quantities 1-5 for loader and all attachments. DOH reserves the right to place orders in any quantity. Orders placed may be with one (1) or all attachments. Attachments may be ordered as needed.

**TO:**

5.1 SECOND PARAGRAPH

Prices for the units with attachments shall be in quantities of 1-5, 6-10, and 11 and over. Also, price for loader only shall be submitted as well. However, for evaluation purposes, we will use quantities 1-5 for loader and all attachments. DOH reserves the right to place multiple orders in any quantity. Orders placed may be with one (1) or all attachments. Attachments may be ordered as needed.

**FROM:**

8.4.2 Unit shall have high flow hydraulic system providing adequate flow and pressure for specified attachments.

**TO:**

8.4.2 Unit shall have high flow hydraulic system (30 GPM minimum).

**DELETE:**

9.3 A remote attachment control device should be available for specified attachments (marked by an “\*”) to start the loader and operate the attachment from the outside the operator control area.

**RENUMBER:**

9.4  
to A single control unit should be provided which will control all available attachments.  
9.3

**DELETE AS WRITTEN:**

9.5 The following attachments should be available:  
and  
sub  
topics  
9.5.1  
to and  
including  
9.5.54

**ADD:**

9.4 The following attachments shall be available and must be priced to award contract.

and  
sub  
topics  
9.4.1  
through  
9.4.32  
as follows:

**AUGER – WOODS  
EQUIPMENT  
CORPORATION OR  
EQUAL**

**Drive Type**

**Flow Range**

**Pressure Range**

**Maximum Bit Size**

**Approximate Weight**

**Performance Guide**

**HA 25**

Planetary

10 – 30 gpm

3500 psi

36"

620 lb.

Heavy Duty

**HA30**

Planetary

10 – 40 gpm

3500 psi

36"

650 lb.

Heavy Duty

**BIT SPECIFICATIONS  
FOR BOTH MODELS**

**Bit Specification – Hex –  
Single Flight Extension**

**Single Flight Extension**

6" x 50" Head

12" x 50" Head

24" x 50" Head

12" extension

24" extension

48" extension

<b>BACKHOE WITH 12 INCH BUCKET-- ATTACHMENT TECHNOLOGIES INC. OR EQUAL</b>	<b>509</b>	<b>511</b>	<b>609</b>	<b>611</b>
<b>Transport Height</b>	7 ft. 9 in.	8 ft. 10 in	7 ft. 9 in	8 ft. 10 in
<b>Transport Width</b>	5 ft. 0 in	5 ft. 0 in	4 ft. 9 in.	4 ft. 9 in
<b>Ground Clearance</b>	11 ft	11 ft	11 ft	11 ft
<b>Overall Length</b>	7 ft. 7 in	7 ft 9 in	7 ft 7 in	7 ft 9 in
<b>Boom Pivot Height</b>	16 in.	16 in.	16 in.	16 in.
<b>Operating Weight w/12 in. Bucket</b>	1425 lb.	1594 lb.	1702 lb.	1847 lb.
<b>Digging Depth Maximum</b>	9 ft. 8 in.	11 ft. 1 in.	9 ft. 8 in	11 ft. 1 in.
<b>Digging Depth (2 ft.) Flat Bottom</b>	9 ft. 7 in.	11 ft. 0 in.	9 ft. 7 in.	11 ft. 0 in.
<b>Digging Depth (8 ft.) Flat Bottom</b>	8 ft. 3 in.	9 ft. 11 in	8 ft. 3 in.	9 ft. 11 in
<b>Overall Operating Height – Fully Raised</b>	12 ft 10 in	14 ft. 5 in	12 ft. 10 in	14 ft. 5 in
<b>Loading Height</b>	6 ft. 10 in	8 ft 0 in	6 ft. 10 in	8 ft. 0 in
<b>Loading Reach</b>	4 ft. 2 in.	5 ft 0 in	4 ft. 2 in	5 ft. 0 in
<b>Reach from Swing Post</b>	12 ft. 9 in	14 ft. 5 in	12 ft. 10 in	14 ft. 5 in
<b>Bucket Rotation</b>	180 degrees	180 degrees	180 degrees	180 degrees
<b>Swing Arc</b>	180 degrees	180 degrees	180 degrees	180 degrees
<b>Straight Wall</b>	7 ft. 3 in	8 ft. 2 in	7 ft. 3 in	8 ft. 2 in
<b>Digging Depth</b>				
<b>Stabilizer Spread</b>	7 ft. 11 in.	7 ft 11 in	9 ft. 11 in	9 ft. 11 in
<b>Operating Position</b>				
<b>Stabilizer Down Below Grade</b>	16 in	16 in	17 in	17 in
<b>System Relief Valve Setting</b>	2500 psi	2500 psi	2500 psi	2500 psi
<b>Digging Force – Bucket Cylinder</b>	5676 lb.	5676 lb.	5908 lb.	6167 lb.
<b>Digging Force – Dipper Cylinder</b>	2754 lb.	3056 lb.	3232 lb	4160 lb.

<b>BACKHOE – MINI – FFC</b>	<b>MB 12</b>	<b>MB 18</b>	<b>MB 24</b>
<b>ATTACHMENTS OR EQUAL</b>			
<b>Digging Depth</b>	5 ft. 6 in	5 ft. 6 in	5 ft. 6 in
<b>Bucket Width</b>	12 in	18 in	24 in
<b>Weight</b>	635 lb.	665 lb	695 lb.

<b>BLADE – DOZER – ATTACHMENT TECHNOLOGIES INC. OR EQUAL</b>	<b>DB 96</b>
<b>Width from Centerline to Inside Edge @ 15 degree Angle</b>	49.31 in
<b>Width from Centerline to Inside Edge @ 30 degree Angle</b>	47.38 in
<b>Dozer Blade Width @15 degree Angle</b>	92.73 in.
<b>Dozer Blade Width @ 30 degree Angle</b>	83.56 in
<b>Width from Centerline to Outside Edge @ 15 degree Angle</b>	43.41 in.
<b>Width from Centerline to Outside Edge @ 30 degree Angle</b>	36.16 in.
<b>Overall Width</b>	96.00 in
<b>Angle Left and Right</b>	30 degrees
<b>Overall Length</b>	36.68 in
<b>Overall Height</b>	29.89 in.
<b>Approximate Weight</b>	1460 lb.

<b>BOOM – MATERIAL HANDLING – ATTACHMENT TECHNOLOGIES INC. OR EQUAL</b>	<b>MH 66</b>
<b>Rated Load Capacity</b>	1500 lb.
<b>Height</b>	66 in.

<b>BREAKER – HYDRAULIC – KOMATSU</b>	<b>JPB 210</b>
<b>OR EQUAL</b>	
<b>CIMA Tool Energy Rating</b>	212 ft. lb.
<b>Flow Range</b>	22 gpm
<b>Striking Rate</b>	1375 bpm
<b>Operating Pressure</b>	2059 psi
<b>Working Weight</b>	527 lb.
<b>Striking Rate (blows per minute)</b>	1040 min
<b>Adjusted Breaker Pressure</b>	2000 psi
<b>Max. Operating Pressure</b>	2100 psi
<b>Tool Diameter</b>	2.5 in.

<b>BROOM – ANGLE – POLY/WIRE</b>	<b>AB 84</b>
<b>BRISTLES – ATTACHMENT</b>	
<b>TECHNOLOGIES INC. OR EQUAL</b>	
<b>Overall Width</b>	94 in.
<b>Sweeping Width</b>	88 in
<b>Overall Height</b>	35.5 in.
<b>Length Coupler to Brush Front</b>	59.60 in.
<b>Transport Height On Stand</b>	40.0 in.
<b>Maximum Angle (Left and Right)</b>	30 degrees
<b>Sweeping Width @ 30 degree Angle</b>	76 in.
<b>Weight</b>	1031 lb.
<b>Brush Diameter</b>	32 in.
<b>Wafers (Quantity)</b>	45
<b>Optional Water Kit with 25 Gallon Tank</b>	
<b>Manual/Hydraulic Angle</b>	

<b>BROOM – GENERAL PURPOSE PICK-UP –</b>	<b>PB68</b>
<b>WOODS EQUIPMENT CORP. OR</b>	
<b>EQUAL</b>	
<b>Brush Width</b>	60 in.
<b>Overall Width</b>	68.5 in
<b>Height</b>	25.25 in
<b>Length</b>	67.7 in
<b>Approximate Weight</b>	714 lb.
<b>Hopper Capacity</b>	13.5 cu. ft
<b>Optional Gutter Broom</b>	Cleaning next to curbs

<b>BRUSH CUTTER – FFC ATTACHMENTS</b>	<b>LAF 3772</b>
<b>OR EQUAL</b>	
<b>Overall Width</b>	75.5 in
<b>Cutting Width</b>	72 in
<b>Height</b>	27 in
<b>GPM Range</b>	15-30 gpm
<b>Max PSI Range</b>	3500 psi
<b>Blade Speed Min/Max</b>	12474/19127 ft/min
<b>Weight Approximate</b>	1653 lb.

<b>BUCKET – BRUSH GRAPPLE –</b>	<b>BG 84</b>
<b>ATTACHMENT TECHNOLOGIES INC.</b>	
<b>OR EQUAL</b>	
<b>Overall Width</b>	84 in
<b>Overall Depth</b>	35.9 in
<b>Grapple Width</b>	20.5 in
<b>Tine Spacing</b>	6 in.
<b>Grapple Height – Closed</b>	26.4 in.
<b>Grapple Hook – Opening</b>	42 in.
<b>Overall Weight (lbs)</b>	826 lb.
<b>Clamping Force (lbs)</b>	1250 lb.
<b>Number of Grapple Teeth</b>	4
<b>Number of Cylinders</b>	2
<b>Tines &amp; End Plates</b>	1/2 in. T1 steel (100,000 lb. yield)
<b>Bore</b>	2.00 in
<b>Stroke</b>	8.25 in
<b>Rod Diameter</b>	1.25 in.

<b>BUCKET – FORKED SCRAP GRAPPLE – FFC ATTACHMENTS OR EQUAL</b>	<b>FSG 63</b>	<b>FSG 72</b>
<b>Opening Height</b>	41 in.	41 in.
<b>Height Closed</b>	20 in.	20 in.
<b>Usable Tooth Width</b>	24.13 in. 63.44 in.	24.13 in. 73.06 in.
<b>Number of Teeth</b>	8	10
<b>Approximate Weight</b>	990 lb.	1100 lb.
<b>Cylinder Bore</b>	2 in.	2 in.
<b>Cylinder Stroke</b>	8 in.	8 in.

<b>BUCKET – GENERAL PURPOSE – WOODS EQUIPMENT CORP. OR EQUAL</b>	<b>GP 68S</b>	<b>GP 73S</b>	<b>GP 68L</b>	<b>GP 73L</b>
<b>Type of Bottom</b>	Short	Short	Long	Long
<b>Width</b>	68 in	73 in	68 in	73 in
<b>Height</b>	19 in	19 in	19 in	19 in
<b>Length</b>	29 in	29 in	35 in	35 in
<b>Approximate Weight</b>	440 lb.	469 lb.	475 lb.	508 lb.
<b>Heaped Capacity</b>	13.4 cu ft	14.4 cu ft	16.5 cu ft	17.8 cu ft
<b>Optional Teeth</b>	Weld on	Weld on	Weld on	Weld on
<b>Optional Bolt on Cutting Edge</b>	5/8 in x 8 in reversible	5/8 in x 8 in reversible	5/8 in x 8 in reversible	5/8 in x 8 in reversible
<b>Optional Bolt on Toothbar</b>	66 3/8 in – 66 3/4 in	71 3/8 in – 71 3/4 in	66 3/8 in – 66 3/4 in	71 3/8 in – 71 3/4 in
<b>Inside Bucket Width</b>				



<b>BUCKETS – GENERAL PURPOSE UTILITY &amp; LIGHT MATERIAL – WOODS EQUIPMENT CORPORATION OR EQUAL</b>	<b>UT 72</b>	<b>LM 72</b>	<b>LM 78</b>	<b>LM 84</b>
<b>Type</b>	GPU	LM	LM	LM
<b>Width</b>	72 in	72 in	78 in	84 in
<b>Height</b>	25 in	26 in	26 in	26 in
<b>Length</b>	35 in	38 in	38 in	38 in
<b>Approximate Weight</b>	553 lb.	585 lb.	617 lb.	660 lb.
<b>Heaped Capacity</b>	22.8 cu. ft	25.8 cu ft	28.1 cu ft	30.3 cu ft
<b>Optional Bolt on Cutting Edge</b>	5/8 in x 8 in reversible	5/8 in x 8 in reversible	5/8 in x 8 in reversible	5/8 in x 8 in reversible
<b>Optional Bolt on Toothbar Inside Bucket Width</b>	70 3/8 in – 70 3/4 in	NA	NA	NA

<b>BUCKET – HEAVY DUTY SCRAP GRAPPLE – WOODS EQUIPMENT CORP. OR EQUAL</b>	<b>SG 72</b>	<b>SG 78</b>
<b>Width</b>	72 in	78 in
<b>Height</b>	28 in	28 in
<b>Length</b>	27 1/4 in	27 1/4 in
<b>Capacity</b>	14 cu ft	15.2 cu ft
<b>Approximate Weight</b>	856 lb.	886 lb.
<b>Cylinder Bore Diameter</b>	2 in.	2 in.
<b>Cylinder Stroke</b>	8 1/4 in	8 1/4 in
<b>Optional Bolt on Cutting Edge</b>	5/8 in x 8 in reversible	5/8 in x 8 in reversible

<b>BUCKET – MULTI-PURPOSE – WOODS EQUIPMENT CORP. OR EQUAL</b>	<b>MP 73</b>	<b>MP 78</b>
<b>Width</b>	73 in	78 in
<b>Height</b>	31 in	31 in
<b>Length</b>	33 in	33 in
<b>Heaped Capacity</b>	14.2 cu ft	15.5 cu ft
<b>Approximate Weight</b>	644 lb.	688 lb.
<b>Cylinder Rod Diameter</b>	1 1/2 in	1 1/2 in
<b>Cylinder Bore</b>	2 1/2 in	2 1/2 in
<b>Cylinder Stroke</b>	8 in	8 in
<b>Optional Bolt on Reversible Cutting Edge</b>	5/8 in x 8 in reversible	5/8 in x 8 in reversible
<b>Optional Bolt on Toothbar</b>	71 3/8 in –	76 3/8 in –
<b>Inside Bucket Width</b>	71 3/4 in	76 3/4 in

<b>BUCKET – ROCK – ATTACHMENT TECHNOLOGIES INC. OR EQUAL</b>	<b>RB 75</b>
<b>Overall Width</b>	74.35 in
<b>Overall Depth</b>	42.45 in
<b>Depth with Skid Steer Mounting</b>	49.80 in
<b>Overall Height</b>	21.77 in
<b>Tine Spacing (Center to Center)</b>	4.25 in
<b>Tine Spacing (Between Tines)</b>	3.125 in
<b>Overall Weight (lbs.)</b>	619 lb.
<b>Number of Tines</b>	18
<b>Tine Rod Diameter</b>	1.125 in

<b>COLD PLANER – WOODS EQUIPMENT CORP. OR EQUAL</b>	<b>CP 12</b>	<b>CP 16</b>	<b>CP 18</b>	<b>CP 24</b>	<b>CP 30</b>
<b>Depth of Cut</b>	0-6 in	0-6 in	0-6 in	0-6 in	0-6 in
<b>Width of Cut</b>	12 in	16 in	18 in	24 in	30 in
<b>Number of Teeth</b>	28	50	56	70	77
<b>Sideshift</b>	22 in	22 in	22 in	22 in	22 in
<b>Tilt</b>	19 degrees	19 degrees	19 degrees	15 degrees	11 degrees
<b>Weight</b>	1200 lb.	1750 lb	2000 lb.	2300 lb.	2450 lb
<b>Hydraulic Depth Control</b>	Std	Std	Std	Std	Std
<b>Hydraulic Tilt Control</b>	Std	Std	Std	Std	Std

<b>CONCRETE CLAW – FFC ATTACHMENTS OR EQUAL</b>	<b>10024</b>
<b>Working Width</b>	24 in
<b>Working Depth</b>	48 in
<b>Height OD</b>	21 in
<b>Rear Opening Height</b>	7.5 in
<b>Weight Approximate</b>	575 lb.

<b>FORKS – PALLET – ATTACHMENT TECHNOLGIES INC OR EQUAL</b>	<b>PF 48</b>
<b>Weight (Including mounting)</b>	370 lb.
<b>Fork Length</b>	48 in
<b>Fork Capacity</b>	4000 lb.
<b>Fork Spread Range</b>	4 3/8 – 40 3/8 in
<b>High Visibility Back Guard</b>	Yes
<b>Tooth Double Lock Downs</b>	Yes

<b>GRAPPLE – LOG FORK – FFC ATTACHMENTS OR EQUAL</b>	<b>LG 28</b>
<b>Tine Length</b>	28.4 in
<b>Opening Height</b>	43.1 in
<b>Capacity</b>	6400 lb.
<b>Weight</b>	610 lb.

<b>HITCH – THREE POINT – WOODS EQUIPMENT CORP. OR EQUAL</b>	<b>TH3000</b>
<b>Overall Width</b>	46 in
<b>Height</b>	26 in
<b>Length</b>	11 in
<b>Approximate Weight</b>	180 lb.

<b>POWER RAKE – FFC ATTACHMENTS OR EQUAL</b>	<b>PRA 90</b>
<b>Working Width</b>	90 in
<b>Overall Width</b>	101 in
<b>Fully Angled Width</b>	86 in
<b>Height</b>	30.3 in
<b>Angle Option</b>	Manual Hydraulic
<b>Weight</b>	1075 lb.

<b>PREPARATOR – FFC ATTACHMENTS OR EQUAL</b>	<b>P 76</b>
<b>Bucket Capacity</b>	12.5 cu ft
<b>Overall width</b>	85.25 in
<b>Bucket Swath Width</b>	76 in
<b>Overall Bucket Height</b>	25.53 in
<b>Overall Bucket Length</b>	53 in
<b>RPM-r/min@16 gpm Nominal Flow</b>	0-100
<b>Overall Drum Diameter</b>	21.5 in
<b>Tooth Thickness</b>	.19 in
<b>Tooth Length</b>	2.19 in
<b>Number of Teeth</b>	340
<b>Rake Drive</b>	#80H Roller Chain
<b>Brush Drive</b>	#50H Roller Chain
<b>Overall Weight</b>	1465 lb.

<b>ROCK WHEEL WITH 50 GALLON WATER KIT – WOODS EQUIPMENT CORP. OR EQUAL</b>	<b>RW 12</b>	<b>RW 18</b>	<b>RW 24</b>
<b>Depth of Cut</b>	0-12 in	0-18 in	0-24 in
<b>Width of Cut</b>	2.5/4.5 in	2.5/4.5 in	2.5/4.5 in
<b>Number of Teeth</b>	28/33	42/44	56/66
<b>Side Shift</b>	22 in	22 in	22 in
<b>Weight</b>	1600 lb.	1800 lb.	2100 l.b
<b>Wheel Speed</b>	60 rpm	60 rpm	60 rpm
<b>Cutting Speed</b>	Up to 15 fpm	Up to 15 fpm	Up to 15 fpm

<b>ROLLER – VIBRATORY –</b>	<b>VR 66A</b>	<b>VR 73A</b>
<b>WOODS EQUIPMENT</b>		
<b>CORP. OR EQUAL</b>		
<b>Drum Width</b>	66 in	73 in
<b>Overall Width</b>	73 in	80.5 in
<b>Drum Oscillation</b>	+/-50 degrees	+/-15 degrees
<b>Overall Height</b>	27 in	27 in
<b>Overall length</b>	33 in	33 in
<b>Drum Diameter</b>	24 in	24 in
<b>Total Output</b>	8740 lb.	10,240 lb.
<b>Frequency VPM</b>	2000 @ 15 gpm	2000 @ 15 gpm
<b>Weight lbs. Smooth</b>	1633 lb.	1762 lb
<b>Weight lbs. Padded</b>	1850 lb.	2100 lb.

<b>SCARIFIER – WOODS EQUIPMENT</b>	<b>SF 3000</b>
<b>CORP. OR EQUAL</b>	
<b>Working Width</b>	40 in
<b>Overall Width</b>	63 in
<b>Height</b>	27 in
<b>Length</b>	20 in
<b>Approximate Weight</b>	350 lb.
<b>Number of Shanks</b>	5

<b>SNOW BLADE – FFC ATTACHMENTS</b>	<b>SB 96</b>
<b>OR EQUAL</b>	
<b>Length</b>	96 in
<b>Height with Edge</b>	23.25 in
<b>Angled Width</b>	82.9 in
<b>Weight</b>	525 lb.

<b>SNOW BLOWER – FFC</b>	<b>84</b>	<b>84H</b>
<b>ATTACHMENTS OR</b>		
<b>EQUAL</b>		
<b>Cutting Width</b>	84 in	84 in
<b>Shroud Opening</b>	25 in	36 in
<b>Overall Depth</b>	38 in	43 in
<b>Overall Height</b>	56.75 in	74 in
<b>Weight</b>	720 lb.	1230 lb.

<b>STUMP GRINDER</b>	<b>SG 20</b>	<b>SG 40</b>	<b>SG 60</b>
<b>– WOODS</b>			
<b>EQUIPMENT</b>			
<b>CORP. OR EQUAL</b>			
<b>Overall Length</b>	64.1 in	64.1 in	64.1 in
<b>Telescopic Extension</b>	7 in	7 in	7 in
<b>Horsepower</b>	To 20 HP	To 40 HP	To 60 HP
<b>Delivered</b>			
<b>Cutting Height</b>	21 in	21 in	21 in
<b>Above Ground</b>			
<b>Cutting Depth Below</b>	16 in	16 in	16 in
<b>Ground</b>			
<b>Cutting Wheel</b>	3.25 in	3.25 in	3.25 in
<b>Width</b>			
<b>Cutting Width</b>	60 in	60 in	60 in
<b>Swing Range</b>	140 degrees	140 degrees	140 degrees
<b>Type of Teeth</b>	0.5 in slanted, carbide	0.5 in slanted, carbide	0.5 in slanted, carbide
	tip	tip	tip
<b>Number of Teeth</b>	32	32	32
<b>Wheel Diameter</b>	18 in	18 in	18 in
<b>Wheel Speed</b>	700 rpm	900 rpm	900 rpm
<b>(Approx</b>			
<b>Weight</b>	765 lb.	775 lb.	840 lb.

<b>TILLER – WOODS EQUIPMENT CORP. OR EQUAL</b>	<b>TL 73</b>	<b>TL 84</b>
<b>Overall Width</b>	86 in	97 in
<b>Cutting Width</b>	73 in	84 in
<b>Working Depth</b>	6 in	6 in
<b>Overall Height</b>	31 in	31 in
<b>Number of Tines</b>	36	40
<b>Tine Rotation</b>	Bi-directional	Bi-directional
<b>Weight</b>	1050 lb.	1228 lb.
<b>Driveline</b>	(2) in-line gerotor motors	(2) in-line gerotor motors
<b>Maximum Tine Speed</b>	121 rpm	121 rpm
<b>Max Flow</b>	25 gpm @ 2000 psi	46 gpm @ 3500 psi

<b>TREE SPADE – FFC ATTACHMENTS OR EQUAL</b>	<b>TS36</b>	<b>TS40</b>	<b>TS42</b>	<b>TS44</b>	<b>TS48</b>
<b>Maximum Ball Size</b>	36 in	40 in	42 in	44 in	48 in
<b>Weight</b>	258 lb.	312 lb.	360 lb.	378 lb.	425 lb./



<b>TRENCHER – ATTACHMENT TECHNOLOGIES INC. OR EQUAL</b>	<b>615</b>	<b>625</b>	<b>650C</b>
<b>Boom Size</b>	36 in	48 in	48 in
<b>Trench Depth @ Recommended Angle</b>	36 in	48 in	48 in
<b>Chain Width Recommended Trenching Angle</b>	6 in 65 degrees	6 in 65 degrees	6 in 65 degrees
<b>Length</b>	65 in	86 in	84 in
<b>Width</b>	42 in/50.5 in	53 in	43 in
<b>Height</b>	28 in	32 in	37 in
<b>Spoil Discharge Reach</b>	24 in	18 in	27 in
<b>Weight</b>	495 lb/775 lb	N/A	N/A

ADDENDUM #2  
707EC020

OPEN END CONTRACT

SKID STEER LOADER WITH ATTACHMENTS

CHANGES TO BIDDER'S EVALUATION REPORT:

X5.1 NO CHANGE REQUIRED

Price for loader only in quantities of	1-5	___ \$30,900.00 ___ per unit
	6-10	___ \$30,900.00 ___ per nit
	11 and over	___ \$30,900.00 ___ per unit

Prices for loader and all attachments In quantities of	1-5	___ \$338,317.92 ___ per unit
	6-10	___ \$338,317.92 per unit
	11 and over	___ \$338,317.92 ___ per unit

FROM:

X8.4.2 Does unit have high flow hydraulic system providing adequate flow and pressure for specified attachments  YES  NO

TO:

X8.4.2 Does unit have high flow hydraulic system  YES  NO

GPM: \_\_\_\_\_ 34 \_\_\_\_\_

**DELETE:**

X9.3 Is a remote attachment control device available for specified attachments (marked by an “\*”) to start the loader and operate the attachment from the outside the operator control area  YES  NO

**RENUMBER:**

X9.4  
To Is a single control unit provided which will control all available attachments  
X9.3  YES  NO

**DELETE AS WRITTEN:**

X9.5  
And Attachments and pricing:  
Sub  
Topics  
9.5.1  
To and  
Including  
9.5.54

**ADD:**

X9.4  
And Are you supplying all attachments as listed in the specifications?  
Sub  YES  NO  
Topics  
9.4.1  
Through  
9.4.32  
As follows:

X9.4 ATTACHMENTS:

X9.4.1 Does the **AUGER** you are providing meet or exceed the specification?  
 YES  NO

Manufacturer: WOODS

	MODEL:HA20E	MODEL:HA30B
Auger	\$1797.8	\$ 2868.2
<b>BITS – HEX:</b>		
6" X 50" Head	\$281.9	\$281.9
12" x 50" Head	\$399.6	\$399.6
24" x 50" Head	\$581.1	\$581.1
<b>SINGLE FLIGHT EXTENSIONS:</b>		
12" Extension	\$166.22	\$166.22
24" Extension	\$343.1	\$343.1
48" Extension	\$504.8	\$504.8

**TOTAL PRICE:**                      \$ 4074.52                      \$ 5144.92

X9.4.2 Does the **BACKHOE WITH 12 INCH BUCKET** you are providing meet or exceed the specification?  
 YES  NO

Manufacturer: BRADCO

	MODEL: 509	MODEL:511	MODEL:609	MODEL:611
Bucket with 12	\$8275.00	\$ 8687.00	9210.50	9689.80

Inch Bucket	\$	\$	\$
TOTAL PRICE:	\$8275.00	\$ 8687.00	\$ 9210.500
			\$ 9689.80

X9.4.3 Does the **BACKHOE-MINI** you are providing meet or exceed specifications?  
 YES  NO

Manufacturer: FFC

	MODEL:MB12	MODEL:MB18	MODEL:MB24
Backhoe – Mini	\$	\$	\$
TOTAL PRICE:	\$1885.89	\$ 1954.42	\$ 2025.26

X9.4.4 Does the **BLADE – DOZER** you are providing meet or exceed specifications?  
 YES  NO

Manufacturer: JOHN DEERE

	MODEL:SB96
Blade – Dozer	\$3866.7

TOTAL PRICE: \$ 3866.70

X9.4.5 Does the **BOOM – MATERIAL HANDLING** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: ATTACHMENT TECHNOLOGIES

	MODEL:MH66
Boom – Material Handling	\$655.9

TOTAL PRICE: \$ 655.9



**TOTAL PRICE:** \$ 3466.40 \_\_\_\_\_

X9.4.9 Does the **BRUSH CUTTER** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: FFC \_\_\_\_\_

	MODEL:BC72
Brush Cutter	\$4112.10

**TOTAL PRICE:** \$ 4112.10 \_\_\_\_\_

X9.4.10 Does the **BUCKET – BRUSH GRAPPLE** you are providing meet or exceed specifications?  
 YES  NO

Manufacturer: FFC \_\_\_\_\_

Manufacturer: \_\_\_\_\_

	MODEL: BG84
Bucket – Brush Grapple	\$3403.15

**TOTAL PRICE:** \$ 3403.15 \_\_\_\_\_

X9.4.11 Does the **BUCKET – FORKED SCRAP GRAPPLE** you are providing meet or exceed specifications?  
 YES  NO

Manufacturer: WOODS \_\_\_\_\_

	MODEL:HSG1073 & HSG1082
Bucket-Forked Scrap Grapple	\$3720.90      \$ 3792.40





TOTAL PRICE \$ 1498.35 - \$ 1660.40 \$ 1740.40 \$ 1821.10

X9.4.14 Does the **BUCKET – HEAVY DUTY SCRAP GRAPPLE** you are providing meet or exceed the specifications?  YES  NO

Manufacturer: WOODS

	MODEL:HSG1172	MODEL:HSG1178
Bucket – Heavy Duty Scrap Grapple	3254.20	\$3300.00
Optional Bolt on Cutting Edge	\$140.00	\$140.00

(NOTE: ADD ALL LINES FOR EVALUATION PURPOSES)

TOTAL PRICE: \$ 3394.20 \$ 3440.40

X9.4.15 Does the **BUCKET – MULTI PURPOSE** you are providing meet or exceed the specifications?  YES  NO

Manufacturer: WOODS

	MODEL: MP7300	MODEL:MP7800
Bucket-Multi Purpose	\$2788.8	\$2939.1
Optional Bolt on Reversible Cutting Edge	\$145.00	\$145.00
Optional Bolt on Toothbar Inside Bucket Width	\$141.6	\$141.6

(NOTE: ADD ALL LINES FOR EVALUATION PURPOSES)

TOTAL PRICE: \$ 3075.40 \$ 3225.70

X9.4.16 Does the **BUCKET – ROCK** you are providing meet or exceed the specifications?  YES  NO

Manufacturer: ATTACHMENT TECHNOLOGIES

	MODEL:RB75
Bucket – Rock	\$6377.50

**TOTAL PRICE:** \$ 6377.50

X9.4.17 Does the **COLD PLANER** you are providing meet or exceed the specifications?  
       YES        NO

Manufacturer: WOODS

	MODEL:CP12	MODEL:CP16	MODEL:CP18	MODEL:CP24	MODEL:CP30
Cold Planer	\$	\$	\$	\$	\$

**TOTAL PRICE:** \$ 5954.7 \$ 9309.10 \$ 9562.1 \$ 10,409.10 \$ 12,234.3

X9.4.18 Does the **CONCRETE CLAW** you are providing meet or exceed the specifications?  
  X   YES        NO

Manufacturer: FFC

	MODEL:10024
Concrete Claw	\$

**TOTAL PRICE:** \$ 1577.93

X9.4.19 Do the **FORKS – PALLET** you are providing meet or exceed the specifications?  
  X   YES        NO

Manufacturer: ATTACHMENT TECHNOLOGIES

	MODEL:PF48
Forks – Pallet	\$905.75

**TOTAL PRICE:** \$ 905.75

X9.4.20 Does the **GRAPPLE – LOG FORK** you are providing meet or exceed the specifications?  YES  NO

Manufacturer: FFC

	MODEL:LG28
Grapple-Log Fork	\$3202.23

**TOTAL PRICE:** \$ 3202.23

X9.4.21 Does the **HITCH – THREE POINT** you are providing meet or exceed the specifications?  YES  NO

Manufacturer: WOODS

	MODEL:TH3000
Hitch-Three Point	\$ 694.40

**TOTAL PRICE:** \$ 694.40

X9.4.22 Does the **POWER RAKE** you are providing meet or exceed the specifications?  YES  NO

Manufacturer: FFC

	MODEL:LAF5690
Power Rake	\$
Manual Angling	\$6588.60
Hydraulic Angling	\$7330.88

**TOTAL MANUAL ANGLING PRICE:** \$ 6588.60

**TOTAL HYDRAULIC ANGLING PRICE:** \$ 7330.88

X9.4.23 Does the **PREPARATOR** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: FFC

	MODEL:LA3576
Preparator	\$

**TOTAL PRICE:** \$ 7134.34

X9.4.24 Does the **ROCK WHEEL WITH 50 GALLON WATER KIT** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: WOODS

	MODEL:RW12	MODEL:RW18	MODEL:RW24
Rock Wheel with 50 Gallon Water Kit	\$9907.40	\$10,648.90	\$11,202.70

**TOTAL PRICE:** \$ 9907.40      \$ 10,648.90      \$ 11,202.70

X9.4.25 Does the **ROLLER – VIBRATORY** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: WOODS

	MODEL:VR66A	MODEL:VR73
Roller – Vibratory	\$	\$
Smooth Drum	\$6384.20	\$6934.20
Padded Drum	\$6618.20	\$7478.10

TOTAL SMOOTH DRUM: \$ 6384.20 \$ 6934.20

TOTAL PADDED DRUM: \$ 6618.20 \$ 7478.10

X9.4.26 Does the **SCARIFIER** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: WOODS

	MODEL:SF3000
Scarifier	\$

TOTAL PRICE: \$ 1073.70

X9.4.27 Does the **SNOW BLADE** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: JOHN DEERE

	MODEL:BL8
Snow Blade	\$

TOTAL PRICE: \$ 2270.55

X9.4.28 Does the **SNOW BLOWER** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: FFC

	MODEL:84	MODEL:84H
Snow Blower	\$	\$

TOTAL PRICE: \$ 4535.66 \$ 6523.21

X9.4.29 Does the **STUMP GRINDER** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: WOODS

	MODEL:SG20BE/SC	MODEL:SG40BE/SC	MODEL:SG60BES/C
Stump Grinder	\$	\$	\$

TOTAL PRICE: \$ 4388.6 \$ 4507.40 \$ 5834.00

X9.4.30 Does the **TILLER** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: WOODS

	MODEL:TL73	MODEL:TL84
Tiller	\$	\$

TOTAL PRICE: \$ 3956.10 \$ 5556.42

X9.4.31 Does the **TREE SPADE** you are providing meet or exceed the specifications?  
 YES  NO

Manufacturer: FFC

MODEL:1836	MODEL:1840	MODEL:1842	MODEL:1844	MODEL:1848
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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS FOR OPEN END CONTRACT  
NO. 351-2-F

SKID STEER LOADER WITH ATTACHMENTS

NOTE TO BIDDER: Procurement Specification No. 351-2-F, Paragraph 2.0 recommends the completion and submittal of this Report with your bid. Purpose of this Report is to enable the West Virginia Division of Highways Evaluation Committee to make full and fair evaluation of the bid. Addendums in order, along with exception sheets, should be with Bidder's Evaluation Report.

FAILURE TO SUBMIT THIS REPORT, COMPLETE IN ITS ENTIRETY, MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

Reference Requisition No.: \_\_\_\_\_ 707EC020 \_\_\_\_\_

Bidder's Name: \_\_\_\_\_ LESLIE EQUIPMENT CO. INC

Address: \_\_\_\_\_ PO BOX 7, NITRO WV 25143 \_\_\_\_\_

Telephone Number: \_\_\_\_\_ 304 755 3780 \_\_\_\_\_

Years Bidder has been registered to do business with the State of West Virginia: \_\_\_\_\_ 30+ \_\_\_\_\_ YRS.

Years Company has been an authorized dealer for proposed unit: \_\_\_\_\_ 10+ \_\_\_\_\_ YRS.

X4.2 DELIVERY:

X4.2.1 Delivery date of completed representative unit: \_\_\_\_\_ 45 \_\_\_\_\_ Calendar Days After Date of  
Purchase Agreement

X4.2.2 Delivery date of balance of completed units: \_\_\_\_\_ 90\* \_\_\_\_\_ Calendar Days After Date of  
Purchase Agreement

\*MAY VARY DEPENDING ON QUANTITY ORDERED\*

X5.0 AWARD CRITERIA;

X5.1 Price for loader only in quantities of	1-5	___\$30,900.00___	per unit
	6-10	___30,900.00___	per unit
	11 and over	___39,900.00___	per unit

Prices for loader and all attachments in quantities of	1-5	\$338,317.92	per unit
	6-10	\$338,317.92	per unit
	11 and over	\$338,317.92	per unit

X6.0 SPECIFICATIONS - GENERAL

X6.1 Manufacturer, model, series, and date of manufacture of proposed unit:

\_\_\_\_\_ JOHN DEERE , MODEL 325, 2007 \_\_\_\_\_  
Is descriptive literature, fully describing proposed unit attached to your bid?  YES  NO

If not, why? \_\_\_\_\_

X6.2 Will the required number of service manuals, and complete parts list be delivered to the Equipment Division at Buckhannon upon completion of delivery of total units?  YES  NO

Will the required Equipment Preventive Maintenance Form (Section X6.2 of Bidders Evaluation Report) be provided upon inspection of the pilot unit?  YES  NO

X6.2  
2-10-00

EQUIPMENT PREVENTATIVE MAINTENANCE QUESTIONNAIRE

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY BY SUCCESSFUL BIDDER OR MANUFACTURER=S TECHNICAL REPRESENTATIVE PRIOR TO DELIVERY OF PILOT MODEL TO THE WVDOH.

DESCRIPTION: \_\_\_\_\_ MAKE: \_\_\_\_\_

MODEL: \_\_\_\_\_ YEAR: \_\_\_\_\_ PURCHASE AMOUNT: \_\_\_\_\_

ENGINE: MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ FUEL TYPE: \_\_\_\_\_

HORSEPOWER: \_\_\_\_\_ CYLINDER: \_\_\_\_\_ ENGINE SERIAL: \_\_\_\_\_

COOLING SYSTEM CAPACITY: \_\_\_\_\_

BELTS: DESCRIPTION: \_\_\_\_\_ PART NUMBERS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

GVW: \_\_\_\_\_ AXLE CAPACITY: FRONT: \_\_\_\_\_ REAR: \_\_\_\_\_

TIRES: FRONT MAKE & SIZE: \_\_\_\_\_

REAR MAKE & SIZE: \_\_\_\_\_

DIMENSIONS OF UNIT: LENGTH: \_\_\_\_\_ WIDTH: \_\_\_\_\_ LENGTH: \_\_\_\_\_

VENDOR CONTACT PERSON: \_\_\_\_\_ PHONE: \_\_\_\_\_

PARTS:

BATTERY MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ CCA: \_\_\_\_\_

TOP OR SIDE POST: \_\_\_\_\_ DIMENSIONS: LENGTH \_\_\_\_\_ WIDTH \_\_\_\_\_ HEIGHT \_\_\_\_\_

SPARK PLUGS OR FUEL INJECTORS MAKE: \_\_\_\_\_ PART # \_\_\_\_\_

FUEL PUMP OR INJECTION PUMP MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

ALTERNATOR MAKE: \_\_\_\_\_ PART #: \_\_\_\_\_

STARTER MAKE: \_\_\_\_\_ PART #: \_\_\_\_\_

TURBO CHARGER MAKE: \_\_\_\_\_ PART #: \_\_\_\_\_

TRANS. MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ AUTO/MANUAL: \_\_\_\_\_

HYDRAULIC PUMP MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

FILTERS MAKE PART NO. LUBRICANT MANUFACTURER TYPE

OIL \_\_\_\_\_ ENGINE \_\_\_\_\_

AIR INNER \_\_\_\_\_ TRANSMISSION \_\_\_\_\_

AIR OUTER \_\_\_\_\_ POWER STEERING \_\_\_\_\_

FUEL PRIMARY \_\_\_\_\_ HYDRAULIC \_\_\_\_\_

FUEL SECONDARY \_\_\_\_\_ DIFFERENTIALS \_\_\_\_\_

COOLANT \_\_\_\_\_ BRAKE FLUID \_\_\_\_\_

HYDRAULIC \_\_\_\_\_ COOLANT \_\_\_\_\_

OTHER \_\_\_\_\_ OTHER \_\_\_\_\_

X6.3 TRAINING:

Will training seminar be conducted on Preventive Maintenance, Operator and Mechanic Training  
 YES  NO

Will you conduct training with each purchase order against this open end contract?  
 YES  NO

Will training be conducted within 2 working days from the delivery of the pilot unit on the individual purchase order?  
 YES  NO

If NO, explain time frame \_\_\_\_\_

Will an Operator's Manual be furnished directly to Letha Lamb, Training Academy prior to the delivery of the pilot?  
 YES  NO

X6.4 If you are the successful vendor, will you furnish all training aids, i.e., videos, projectors, required in conducting the training?  
 YES  NO

X6.4.1 Will all manuals, booklets, etc. explaining preventive maintenance, operator procedures, and service schedule be delivered with each unit?  
 YES  NO  
If NO, explain \_\_\_\_\_

X6.5 WARRANTY AND SERVICE POLICY

Will the warranty and service you provide comply with all areas as stated in Section 6.5 of specifications  
 YES  NO

Is warranty literature attached?  
 YES  NO

Is a minimum two (2) year bumper to bumper basic parts and labor warranty included for unit and attachments?  
 YES  NO

Describe:

Warranty covers Defects in Material and Workmanship. We do not warrant parts and labor for parts that have failed because of:

Wear

Contamination

Modification

Lack of reasonable protection during storage or accident as

Normal maintenance replacement maintenance items are not covered. See attached warranties

Total machine is covered first year unlimited hours. Total machine is covered second year up to a 2000 hour limitation total.

X6.5 WARRANTY AND SERVICE POLICY QUESTIONNAIRE

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY BY THE SUCCESSFUL BIDDER OR MANUFACTURERS TECHNICAL REPRESENTATIVE PRIOR TO DELIVERY OF PILOT MODEL TO THE WVDOH (If additional lines are needed, make copies of form.)

1. Define the terms of the standard warranty. If not offered, so state. (Attach copy)  
Skid Steer and attachment are warranted against defects in material and workmanship for 2 years  
See attaché warranties.

2. Define warranty service to be performed at DOH facilities and warranty service to be performed at manufacturer's representative facility. List name and location of manufacturer's representative.

Warranty work may be completed at either facility. Travel time & mileage will be charged for DOH repairs.

3. List locations for parts inventories that are within the State of West Virginia. Also, list availability levels, if known.

Beaver, Cowen, Fairmont, Nitro, Norton

4. During the term of warranty, list the guarantee discount to manufacturer's published list price for parts that bidder will sell the parts to owner.

- A. Terms: Net 30      Manufacturer's published list price less:   0   % discount
- B. Terms: Net 60      Manufacturer's published list price less:   0   % discount
- C. Terms: Net 90      Manufacturer's published list price less:   0   % discount

5. During the term of warranty, will all manufacturers or engineering improvements be submitted to Division of Highways?        X   YES             NO

6. During the term of warranty, list the guaranteed rates charged for repair to the unit.

A. Shop Rate      \$   70.00   per mechanic hour

B. Travel Time Charge      \$   75.00   per mechanic hour  
(Specify if one-way)      \_\_\_\_\_; port to port \_\_\_\_\_

C. Mileage Charge      \$   1.95   per vehicle mile  
(Specify if one-way)      \_\_\_\_\_; port to port \_\_\_\_\_

D. Field Mechanic Rate      \$   75.00   per mechanic hour

E. Specify period of time that prices are in effect: ONE year from date of award \_\_\_\_\_

F. Surcharge for miscellaneous items:   4   %

**X6.6 EVALUATION COMMITTEE REQUIREMENTS**

Is all component specifications, product literature, component models provided for Evaluation Committee bid determination?  YES  NO

X6.7 Will all parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, be furnished with the unit and conform in strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit industry?  YES  NO

X6.7.1 Are all parts and accessories adequate and regularly supplied as standard to be included except those which may be duplications of specifications herein, and except these by specification are not to be furnished?  YES  NO

X6.7.2 Are all standard safety features that are required by Federal and State statutes of law included?  YES  NO

**X7.0 SPECIFICATIONS OF THE QUOTED UNIT**

The bidder should complete the following schedule in order for the Division to compare the actual bid unit to the specifications. Should the bidder except a requirement, then such exception may be only on the basis that such feature is not offered by the manufacturer. The Division will have the sole discretion as to whether the bidder's substitution meets the requirements of the specifications.

Manufacturer: JOHN DEERE \_\_\_\_\_ Model: 325 \_\_\_\_\_

Will the unit be completely assembled, adjusted with all equipment including standard and extra equipment installed and ready for continuous operation  YES  NO

Are all parts not specifically mentioned which are necessary for the unit to be complete and ready for operation or which are normally furnished as standard equipment be included?  YES  NO

X8.1 Operating weight of skid steer unit: 8390 lbs.

X8.2 Wheelbase: 115.5 inches

X8.3 Diesel Engine:

X8.3.1 Horsepower (Net): 70 HP

X8.3.2 Is engine pre-heat system provided  YES  NO

X8.3.3 Is manufacturer's recommended fuel filter with water separator provided?  YES  NO

Manufacturer: FLEET GUARD

X8.3.4 Is unit equipped with automatic engine shutdown for low oil pressure and engine/hydraulic temperature  YES  NO

X8.3.5 Dry type air filtration with primary and secondary elements  YES  NO

X8.4 Hydraulic System:

X8.4.1 Auxiliary hydraulics: 34 GPM

X8.4.2 Does unit have high flow hydraulic system providing adequate flow and pressure for specified attachments  YES  NO

X8.4.3 Filtration: 3 micron

X8.4.4 Adequately sized hydraulic reservoir for the prime mover as well as any and all attachments  YES  NO

Is gallons label and sight gauge included  YES  NO

X8.4.5 Are hydraulic hoses cordova wrapped for operator protection  YES  NO

X8.4.6 Are auxiliary front hydraulics with couplers provided with easy access with controls at operator station  YES  NO

X8.5 Electrical System:

X8.5.1 Manufacturers heavy duty 12 volt system  YES  NO Manufacturer:

X8.5.2 Alternator: 70 amps

X8.5.3 Battery manufacturers heavy duty maintenance free 12 volt  YES  NO CCA: 925

X8.5.4 Work lights, dual front halogen; at least one rear halogen  YES  NO

X8.6 Instrumentation: Audible and/or lighted warnings  YES  NO

X8.6.1 Fuel level  YES  NO

X8.6.2 Battery voltage  YES  NO

X8.6.3 Engine coolant temperature  YES  NO

X8.6.4 Transmission charge pressure  YES  NO

X8.6.5 Hydraulic oil temperature  YES  NO

X8.6.6 Engine oil pressure  YES  NO

X8.6.7 Engine air cleaner restriction  YES  NO

X8.6.8 Park brake reminder  YES  NO

X8.6.9 Seat belt reminder  YES  NO

X8.7 Tires:

X8.7.1 Manufacturers standard pneumatic lug tires with 12 ply rating  YES  NO

Manufacturer: \_\_\_\_\_

X8.8 Safety:

X8.8.1 Backup alarm (OSHA approved)  YES  NO

X8.8.2 Certified ROPS and FOPS  YES  NO

X8.8.3 Parking brake manufacturers standard  YES  NO

X8.8.4 All manufacturers safety related decals and safe operation recommendations affixed to each unit upon delivery  YES  NO

X8.8.5 Rear view mirror  YES  NO

X8.8.6 Equipped with rear window emergency escape  YES  NO

X8.8.7 Low profile strobe light mounted for 360° visibility  YES  NO

Manufacturer/Model: JOHN DEERE

X8.8.8 Front and rear emergency flashers  YES  NO

X8.8.9 Fire extinguisher bracket  YES  NO

X8.9 Accessories:

X8.9.1 Quick-Tatch 2 level attachment mounting design compatible with 90% of BobCat, New Holland, John Deere, and Case attachments  YES  NO

X8.9.2 Rear counterweights provided to adequately balance unit with heaviest attachment mounted  YES  NO

X8.9.3 Vinyl suspension seat with automotive type seat belt  YES  NO

X8.9.4 Cab-all-weather enclosure with sliding side glasses  YES  NO

X8.9.5 Front door with wiper, washer  YES  NO

X8.9.6 Does unit have manufacturers heater/defroster/with air conditioner  YES  NO



X8.9.7 Is unit hydrostatic all wheel drive  YES  NO

X8.9.8 Integral belly plate  YES  NO

X8.10 Paint:

X8.10.1 Describe manufacturers recommended paint preparation and color:  Unit and attachments are painted to manufacturers specifications and color \_\_\_\_\_

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X9.0 Attachments with attachment control kit:

X9.1 Are all attachments mounted on a quick-change mechanism  YES  NO

X9.2 Backhoe operation possible with the lift arms in the down position  YES  NO

X9.3 Is a remote attachment control device available for specified attachments (marked by an “\*”) to start the loader and operate the attachment from the outside the operator control area  YES  NO

X9.4 Is a single control unit provided which will control all available attachments  YES  NO

X9.5 Attachments and pricing:

X9.5.1 Angle Broom\* \_\_\_\_\_

X9.5.2 Auger \_\_\_\_\_

X9.5.3 Backhoe \_\_\_\_\_

X9.5.4 Bale Fork \_\_\_\_\_

X9.5.5 Box Blade \_\_\_\_\_

X9.5.6 Box Blade with Laser Receiver\* \_\_\_\_\_

X9.5.7 Breaker \_\_\_\_\_

X9.5.8 Brush Saw \_\_\_\_\_

X9.5.9 Brushcat Rotary Cutter \_\_\_\_\_

X9.5.10 Buckets:

X9.5.10.1 Construction 325 \_\_\_\_\_

X9.5.10.2 Construction 78 inch HD \_\_\_\_\_

X9.5.10.3	Construction 84 inch HD	_____
X9.5.10.4	Foundry 72 inch	_____
X9.5.10.5	Foundry 78 inch HD	_____
X9.5.10.6	Manure/Slurry 72 inch	_____
X9.5.10.7	Manure/Slurry 84 inch	_____
X9.5.10.8	Multi-Purpose 72 inch	_____
X9.5.10.9	Multi-Purpose 78 inch	_____
X9.5.10.10	Multi-Purpose 84 inch	_____
X9.5.10.11	Tooth 72 inch	_____
X9.5.10.12	Tooth 78 inch HD	_____
X9.5.10.13	Tooth 84 inch HD	_____
X9.5.10.14	Utility 72 inch	_____
X9.5.10.15	Utility 78 inch HD	_____
X9.5.10.16	Utility 84 inch HD	_____
X9.5.11	Chipper*	_____
X9.5.12	Combination Bucket	_____
X9.5.13	Concrete Mixer*	_____
X9.5.14	Concrete Pump	_____
X9.5.15	Digger	_____
X9.5.16	Dozer Blade	_____
X9.5.17	Drop Hammer	_____
X9.5.18	Dumping Hopper	_____
X9.5.19	Flail Cutter	_____
X9.5.20	Forks, Utility	_____
X9.5.21	Grader	_____
X9.5.22	Grapple, Industrial	_____

X9.5.23	Grapple, Root	_____
X9.5.24	Hydraulic Breaker	_____
X9.5.25	Landplane	_____
X9.5.26	Landscape Rake	_____
X9.5.27	Mower	_____
X9.5.28	Packer Wheel	_____
X9.5.29	Pallet Fork – Heavy Duty	_____
X9.5.30	Pallet Fork – Hydraulic	_____
X9.5.31	Planer:	
X9.5.31.1	Standard*	_____
X9.5.31.2	Curb*	_____
X9.5.31.3	High Flow*	_____
X9.5.32	Scarifier	_____
X9.5.33	Scraper	_____
X9.5.34	Seeder	_____
X9.5.35	Snowblade	_____
X9.5.36	Snow B-Blade*	_____
X9.5.37	Snowblower*	_____
X9.5.38	Sod Layer	_____
X9.5.39	Soil Conditioner:	
X9.5.39.1	Manual*	_____
X9.5.39.2	Hydraulic*	_____
X9.5.40	Spreader	_____
X9.5.41	Stabilizer	_____
X9.5.42	Stump Grinder*	_____
X9.5.43	Sweeper	_____





PURCHASING CONTINUATION SHEET

Buyer:	Page	Req. or P.O. No.:
JJ-33	33	707EC020
Spending Unit:		

Vendor:

Requisition No.: 707EC020

ADDENDUM ACKNOWLEDGEMENT

I hereby acknowledge receipt of the following checked addendum(s) and have made the necessary revisions to my proposal, plans and/or specifications, etc.

Addendum No.'s:

- No. 1 ✓
- No. 2 ✓
- No. 3 ✓
- No. 4 ✓
- No. 5 ✓

I understand that failure to confirm the receipt of the addendum(s) may be cause for rejection of bids.

*J. Shambler*  
Signature

LESLIE EQUIPMENT  
Company

5-9-07  
Date

AGREEMENT ADDENDUM

WV-96  
Rev. 5/94

In the event of conflict between this addendum and the agreement this addendum shall control:

- 1 ARBITRATION - Any references to arbitration contained in the agreement are hereby deleted. Disputes arising out of the agreement shall be presented to the West Virginia Court of Claims
- 2 HOLD HARMLESS - Any clause requiring the Agency to indemnify or hold harmless any party is hereby deleted in its entirety
- 3 GOVERNING LAW - The agreement shall be governed by the laws of the State of West Virginia. This provision replaces any references to any other State's governing law
- 4 TAXES - Provisions in the agreement requiring the Agency to pay taxes are deleted. As a State entity, the Agency is exempt from Federal, State, and local taxes and will not pay taxes for any Vendor including individuals, nor will the Agency file any tax returns or reports on behalf of Vendor or any other party
- 5 PAYMENT - Any references to prepayment are deleted. Payment will be in arrears
- 6 INTEREST - Should the agreement include a provision for interest on late payments, the Agency agrees to pay the maximum legal rate under West Virginia law. All other references to interest or late charges are deleted
- 7 RECOURPMENT - Any language in the agreement waiving the Agency's right to set-off counterclaim, recoupment, or other defense is hereby deleted
- 8 FISCAL YEAR FUNDING - Service performed under the agreement may be continued in succeeding fiscal years for the term of the agreement contingent upon funds being appropriated by the Legislature or otherwise being available for this service. In the event funds are not appropriated or otherwise available for this service, the agreement shall terminate without penalty on June 30. After that date, the agreement becomes of no effect and is null and void. However, the Agency agrees to use its best efforts to have the amounts contemplated under the agreement included in its budget. Non-appropriation or non-funding shall not be considered an event of default
- 9 STATUTE OF LIMITATION - Any clauses limiting the time in which the Agency may bring suit against the Vendor, lessor, individual, or any other party are deleted
- 10 SIMILAR SERVICES - Any provisions limiting the Agency's right to obtain similar services or equipment in the event of default or non-funding during the term of the agreement are hereby deleted.
- 11 ATTORNEY FEES - The Agency recognizes an obligation to pay attorney's fees or costs only when assessed by a court of competent jurisdiction. Any other provision is invalid and considered null and void
- 12 ASSIGNMENT - Notwithstanding any clause to the contrary, the Agency reserves the right to assign the agreement to another State of West Virginia agency, board or commission upon thirty (30) days written notice to the Vendor and Vendor shall obtain the written consent of Agency prior to assigning the agreement
- 13 LIMITATION OF LIABILITY - The Agency, as a State entity, cannot agree to assume the potential liability of a Vendor. Accordingly, any provision limiting the Vendor's liability for direct damages or limiting the Vendor's liability under a warranty to a certain dollar amount or to the amount of the agreement is hereby deleted. In addition, any limitation is null and void to the extent that it precludes any action for injury to persons or for damages to personal property
- 14 RIGHT TO TERMINATE - Agency shall have the right to terminate the agreement upon thirty (30) days written notice to Vendor
- 15 TERMINATION CHARGES - Any provision requiring the Agency to pay a fixed amount or liquidated damages upon termination of the agreement is hereby deleted. The Agency may only agree to reimburse a Vendor for actual costs incurred or losses sustained during the current fiscal year due to wrongful termination by the Agency prior to the end of any current agreement term
- 16 RENEWAL - Any reference to automatic renewal is hereby deleted. The agreement may be renewed only upon mutual written agreement of the parties
- 17 INSURANCE - Any provision requiring the Agency to insure equipment or property of any kind and name the Vendor as beneficiary or as an additional insured is hereby deleted
- 18 RIGHT TO NOTICE - Any provision for repossession of equipment without notice is hereby deleted. However, the Agency does recognize a right of repossession with notice
- 19 ACCELERATION - Any reference to acceleration of payments in the event of default or non-funding is hereby deleted
- 20 AMENDMENTS - All amendments, modifications, alterations or changes to the agreement shall be in writing and signed by both parties. No amendment, modification, alteration or change may be made to this addendum without the express written approval of the Purchasing Division and the Attorney General

ACCEPTED BY:  
STATE OF WEST VIRGINIA

Spending Unit: \_\_\_\_\_

Signed: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

VENDOR

Company Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

# AFFIDAVIT

**West Virginia Code §5A-3-10a states:**

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 the debt owned is an amount greater than one thousand dollars in the aggregate

**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

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities "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 exceeds five percent of the total contract amount

**EXCEPTION:**

The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

**LICENSING:**


Vendors 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 agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities

**CONFIDENTIALITY:**

The vendor agrees that he or she 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. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

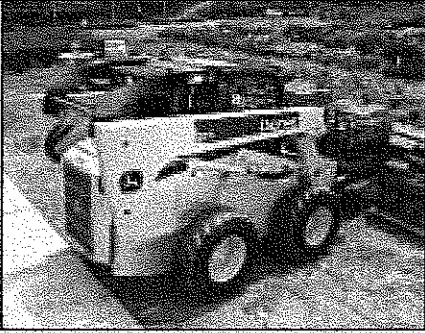
Vendor's Name: LESLIE EQUIPMENT INC.

Authorized Signature:  Date: 5-9-07





JOHN DEERE



# 325

SKID STEER LOADER

76 HORSEPOWER



COMMERCIAL WORKSITE PRODUCTS

# 300 SERIES

## 325 SKID STEER LOADER

### SPECIFICATIONS

#### Standard Equipment

- ◊ Adjustable Armrests
- ◊ Adjustable Foot Pedals
- ◊ Automatic Fan Belt Tensioner
- ◊ Automatic Preheat
- ◊ Automatic Shutdown with Alarm
- ◊ Auxiliary Hydraulics Operation Presence System
- ◊ Convenient Front and Rear Tie Downs
- ◊ Deluxe Headliner
- ◊ Deluxe Instrumentation EMU with Operator Selectable Monitoring: Hour Meter, Engine RPM, Battery Voltage, Diagnostics, EMU Configuration, Engine Coolant Temperature and Hydraulic Oil Temperature
- ◊ LED Warning Indicators: Glow Plug, Seat Switch, Seat Belt, Door Open, Auxiliary Hydraulics, Park Brake Engaged, Two-Speed Engaged, Stop, Low Engine Oil Pressure, Engine Coolant Over-Temperature, Battery Not Charging, Air Filter Restriction, Hydraulic Filter Restriction
- ◊ Environmental Drains for All Fluid Reservoirs
- ◊ Front and Rear Halogen Work Lights
- ◊ Four Grab Handles
- ◊ Integral Cab Boom Lock
- ◊ John Deere 250 Series PowerTech™ Turbocharged Engine — meets EPA Tier II non-road emissions regulations
- ◊ John Deere COOL-GARD® Extended Life Engine Coolant
- ◊ John Deere Hydraulic Cylinders with Cushioned Boom Cylinders
- ◊ John Deere Plus-50® 10w30 Initial Engine Oil Fill<sup>2</sup>
- ◊ Patented John Deere Quik-Tatch™
- ◊ Patented John Deere Vertical-Lift Boom with Superior Visibility
- ◊ Quick-Check Hydraulic Fluid Level Sight Glass
- ◊ Quick-Pivot ROPS
- ◊ Rear Window
- ◊ ROPS/FOPS Operator Structure
- ◊ Seat Belt with Auto Recoil
- ◊ Triple Interlock Operator Presence Control System
- ◊ Water-Shedding Deluxe Vinyl Seat
- ◊ Wet Disk Brakes
- ◊ Three-Micron Hydraulic Filter
- ◊ Five-Micron Primary Fuel Filter and Water Separator

#### Power and productivity to spare.

- ◊ Smooth and quiet 76-hp, high-torque, five-cylinder turbocharged Deere diesel with exclusive precision-joint connecting rods, hydraulic lifters, and high-ring pistons delivers exceptional reliability, power, and torque rise.
- ◊ Servo controls and ergonomically shaped adjustable armrests ensure smooth, effortless steering and maximum control.
- ◊ Boost your productivity with industry leading options such as hydraulic Quik-Tatch™, self-leveling bucket, high-flow hydraulics, and a comfortable HVAC system.
- ◊ Lower daily operating costs with 500-hour service intervals, automatic belt tensioner, easy-to-change no-mess filters, and environmental drains on all reservoirs.
- ◊ Impressive breakout force, 35-degree rollback, 45-degree dump, 125-inch load height, and true vertical lift provide greater stability and reach for maximum productivity.

#### Engine:

Model .....	John Deere 5030T
Displacement.....	186 cu. in. (3.0 L)
Cylinders .....	5
Gross Horsepower .....	76 hp (56.9 kW)
Net Horsepower .....	70 hp (52.2 kW)
Rated Engine Speed .....	2,800 rpm
Fuel Capacity.....	24 gal. (91 L)
<b>Performance:</b>	
Tipping Load.....	5,000 lb. (2268 kg)
SAE Rated Operating Capacity <sup>1</sup> .....	2,500 lb. (1134 kg)
ROC with Optional Counterweights .....	2,850 lb. (1293 kg)
<b>Breakout Forces:</b>	
Boom.....	4,800 lb. (2177 kg)
Bucket with Heavy-Duty Foundry.....	7,500 lb. (3402 kg)
Bucket with Heavy-Duty Construction.....	5,300 lb. (2404 kg)
<b>Ground Speed:</b>	
Single Speed .....	7 mph (11.3 km/h)
Two Speed, Low .....	6 mph (9.7 km/h)
Two Speed, High.....	11 mph (17.7 km/h)
Maximum Axle Torque .....	5,680 lb.-ft. (7701 Nm)
Tractive Effort .....	8,725 lbf (3958 kgf)
Operating Weight.....	8,390 lb. (3806 kg)

#### Hydraulics:

System Hydraulic Pressure @ Couplers.....	3,100 psi
Standard Pump Flow .....	22 gpm (83 L/min.)
Total Pump Flow with High-Flow Option .....	34 gpm (129 L/min.)
<b>Hydraulic Horsepower:</b>	
Standard Flow (calculated) .....	40 hp (29.8 kW)
High-Flow (calculated) .....	63 hp (47.0 kW)

#### Transmission:

Type .....	Servo-Hydrostatic
System High-Pressure Relief .....	5,250 psi

#### Electrical System:

Alternator Output.....	70 amps
Battery Cold Cranking Amps.....	925

#### Dimensions:

Length without Bucket.....	115.5 in. (2934 mm)
Length with Bucket.....	138.5 in. (3518 mm)
Width without Bucket .....	73.7 in. (1872 mm)
Height to ROPS .....	80.9 in. (2055 mm)
Height to Hinge Pin.....	125 in. (3175 mm)
<b>Dump Reach:</b>	
Heavy-Duty Foundry Bucket .....	34 in. (864 mm)
Heavy-Duty Construction Bucket .....	41 in. (1041 mm)
Dump Angle (At Full Height) .....	45 degrees
Bucket Rollback (At Ground) .....	35 degrees
Wheelbase.....	47.6 in. (1209 mm)
Ground Clearance .....	9 in. (229 mm)
Angle of Departure .....	27 degrees
Standard Tire Size .....	12x16.5 8 PR SKS

**John Deere Standard Warranty** ..... One-year unlimited hours

#### Options and Accessories

- ◊ Air Conditioning with Heater/Defroster
- ◊ Backup Alarm
- ◊ Block Heater
- ◊ Cab Enclosure
- ◊ Chrome Exhaust Stack
- ◊ Demolition Door
- ◊ Dual Flashers
- ◊ Floor Cover Plates
- ◊ Hand Controls
- ◊ Heater/Defroster
- ◊ High-Flow Hydraulics
- ◊ Horn
- ◊ Hydraulic Quik-Tatch
- ◊ Hydraulic Self-Leveling
- ◊ Quik-Tatch Weights
- ◊ Rear Weight Brackets
- ◊ Rearview Mirror Kit
- ◊ Shoulder Belt
- ◊ Side Window Kit
- ◊ Single-Point Lift Kit
- ◊ SMV Sign Kit
- ◊ Spare Tire and Wheel
- ◊ Suspension Seat
- ◊ Tire Options: Flotation, Foam Filled, Solid, HD Galaxy
- ◊ Top Window
- ◊ Vinyl Cab Enclosure Kit
- ◊ Warning Beacon Kit
- ◊ 2-Speed Transmission
- ◊ 3-Inch Seat Belt
- ◊ 8-Button Handle Kit
- ◊ 12-Volt Receptacle Kit

Note: Where applicable, dimensions and performance specifications are in accordance with Society of Automotive Engineers (SAE) and ISO standards. Dimensions given are with skid steer equipped with standard tires. John Deere complies with the requirements of ISO 9001 as registered with QMI.

<sup>1</sup> Operating capacity rated with standard tires and foundry bucket according to SAE standard J818 operating capacity to equal no more than one half the tip load.

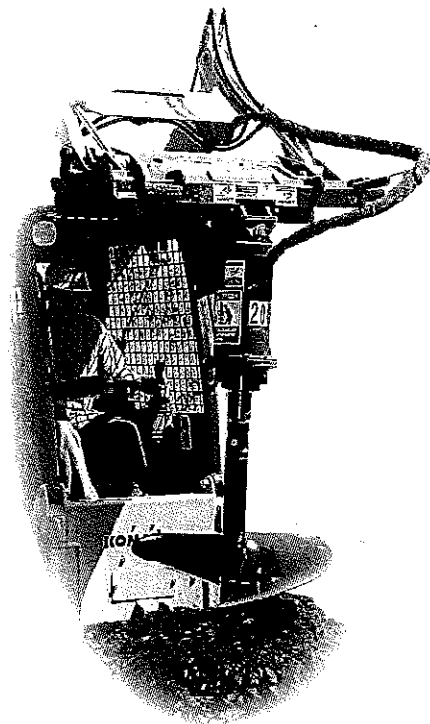
<sup>2</sup> 500-hour engine oil change intervals when John Deere Plus-50 oil and John Deere oil filter is used.

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# AUGER Woods Equipment Corporation

**Power Augers:** Dig holes up to 36" in diameter with speed and accuracy. Mount design ensures the auger will remain balanced in uneven work conditions.



- Large 1-1/2-inch plated pivot pins are stronger than competitors' models and resist rust.
- Long-lasting standard auger bits are alloy steel plated; optional cast alloy bits also available.
- High-flow HA25 & HA30 planetary models are designed for heavy industrial use in hard soil to depths up to 20 feet, depending on conditions.
- Standard-flow planetary model for 10-foot depths; chain drive units maximize productivity for digging to 5-foot depths.
- Manufactured by Woods Equipment Corporation

## Specifications

Attachment	HA15P	HA20	HA25	HA30
<b>Komatsu Model</b>				
SK714, SK815, SK818, SK820	◆	◆		
SK815, SK818, SK820 - HIGH FLOW	◆*	◆*	◆	
SK1020, SK1026		◆	◆	
SK1020, SK1026 - HIGH FLOW		◆*	◆*	◆
<b>Dimensions</b>				
Drive Type	Planetary	Planetary	Planetary	Planetary
Flow Range	10 - 20 gpm	10 - 20 gpm	10 - 30 gpm	10 - 40 gpm
Pressure Range	3500 psi	3500 psi	3500 psi	3500 psi
Maximum Bit Size	36"	36"	36"	36"
Approximate Weight	300 lb	600 lb	620 lb	650 lb
Performance Guide	Construction Grade	Construction Grade	Heavy Duty	Heavy Duty

\* For Low Flow Circuit

Continued on Next Page

# AUGER Woods Equipment Company

Continued from Previous Page

*Price  
Hex Shaft Only*

## BIT SPECIFICATIONS

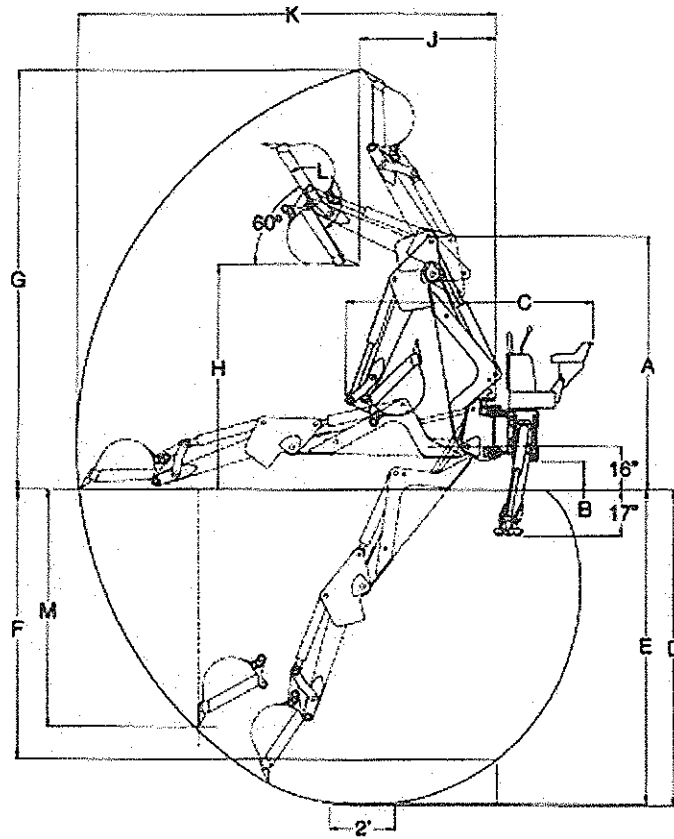
Alloy Steel Plate Head • Bolt and Lug Dual-Angle Reversible Teeth • 2-9/16" round & 2" hex Hubs • Standard-Duty (double flight)

Size - Diameter x Length*	No. of Teeth	Approximate Weight
✓ 6"x50"	2	54 lb
9"x50"	4	78 lb
✓ 12"x50"	4	107 lb
15"x50"	5	117 lb
18"x50"	6	145 lb
✓ 24"x50"	8	215 lb
30"x48"	10	280 lb
35"x48"	12	385 lb
24"x50" tree	9	175 lb
30"x48" tree	11	240 lb
36"x48" tree	12	315 lb

\* Extensions 12", 24", 48" — *Price*  
Heavy-Duty (double flight) bits also available

## Bradco Backhoe Specifications

Model	408	509	609	611
<b>Transport</b>				
<b>A</b> Transport height	6' 11"	7' 9"	7' 9"	8' 10"
Transport width	5' 0"	5' 0"	4' 9"	4' 9"
<b>B</b> Ground clearance	11"	11"	11"	11"
<b>C</b> Overall length	6' 9"	7' 7"	7' 7"	7' 9"
Boom pivot height	16"	16"	16"	16"
Operating weight w/12" bucket	1162 lb.	1425 lb.	1702 lb.	1847 lb.
<b>Operational</b>				
<b>D</b> Digging depth maximum	8' 1"	9' 8"	9' 8"	11' 1"
<b>E</b> Digging depth (2 ft) flat bottom	8' 0"	9' 7"	9' 7"	11' 0"
<b>F</b> Digging depth (8 ft) flat bottom	6' 6"	8' 3"	8' 3"	9' 11"
<b>G</b> Overall operating height	11' 2"	12' 10"	12' 10"	14' 5"
<b>H</b> Loading height	6' 8"	6' 10"	6' 10"	8' 0"
<b>J</b> Loading reach	3' 6"	4' 2"	4' 2"	5' 0"
<b>K</b> Reach from swing post	11' 0"	12' 9"	12' 10"	14' 5"
<b>L</b> Bucket rotation	180°	180°	180°	180°
Swing arc	180°	180°	180°	180°
<b>M</b> Straight wall digging depth	5' 1"	7' 3"	7' 3"	8' 2"
Stabilizer spread oper. position	7' 11"	7' 11"	9' 11"	9' 11"
Stabilizer down below grade	16"	16"	17"	17"
System relief valve setting	2250 psi	2500 psi	2500 psi	2500 psi
Digging force - bucket cylinder	3670 lb.	5676 lb.	5908 lb.	6167 lb.
Digging force - dipper cylinder	2308 lb.	2754 lb.	3232 lb.	4160 lb.



**Buckets and Capacities**

Bucket size	10"	12"	16"	18"	20"	24"
Struck Capacity, ft <sup>3</sup>	.78	1.43	1.98	2.25	2.52	3.07
Heaped Capacity, ft <sup>3</sup>	.92	1.83	2.56	2.98	3.40	4.32
Weight, lbs.	72	125	139	147	153	170
Number of Teeth	3	3	4	4	4	5

**\*Note: A.B.C. Groff is an equipment dealer. We are NOT the Manufacturer.**

*Contact A.B.C. Groff for more product information.*

110 South Railroad Ave.

New Holland, PA 17557

Email: [sales@abcgroff.com](mailto:sales@abcgroff.com)

Phone: (717) 354-4191

Toll free: 1-800-346-8319

Fax: (717) 355-2272

**Industrial Main Page**

**ABC Groff Main Page**



**FFC Attachments**



**Skidsteer Backhoe**

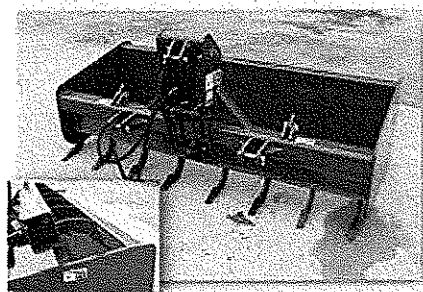


The FFC Mini-Hoe eliminates the need for a small backhoe or mini-excavator by making it easy to dig 5½ feet deep with your skid steer loader - and it costs far less than other backhoe attachments. The mini-Hoe is available with 12", 18" and 24" buckets and mounts easily on all major skid steer loader brands.

- Digs trenches up to 5' 6" deep with a skid-steer
- Provides excellent mobility for digging footings
- Often eliminates the need for other machines
- Does not require stabilizers
- Cylinder provides increased breakout force
- Available with 12", 18", or 24" bucket
- Mounts easily on all major skid-steer loader brands

Model	Weight	Bucket Size	Cylinder Size	Digging Depth	Lift Capacity
2301	635 lbs	12"	3" x 16"	5' 6"	7200 lbs
2302	665 lbs	18"	3" x 16"	5' 6"	7200 lbs
2303	695 lbs	24"	3" x 16"	5' 6"	7200 lbs

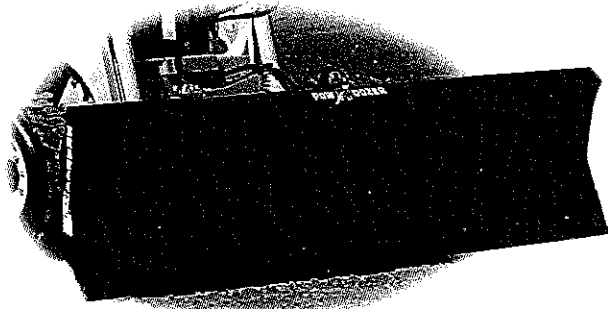
**Box Scraper**



- For fine grading and heavy-duty landscaping jobs; backfills, grades, excavates, rips & scarifies
- High-profile moldboard provides increased carrying capacity with minimal drag and great boiling action
- Double wall moldboard with heavy-duty side plates prevent from twisting
- Hydraulically actuated scarifier increases ripping penetration
- Fits two- or four-wheel-drive machines
- Choice of standard or heavy-duty bolt-on reversible edge
- Designed for 3-point mount

# BLADE — DOZER Attachment Technologies Inc.

This **Dozer Blade** is designed specifically for material handling with heavy-duty construction with a round moldboard and a pre-drilled front to accept a bolt-on edge.



- Available with standard skid shoe.
- Hydro-electric controlled angle and tilt, using only one loader valve.
- Angle and tilt cylinders are interchangeable and equipped with self-aligning bushings.
- Reversible .75" x 8" bolt-on cutting edge and rolled moldboard .31" thick and 28" high.
- Blade angles 30° left or right and tilts 10° each way from horizontal.
- Tilt indicator visible from operator's seat.
- Flat face O-ring seal couplers eliminate leaks.
- Manufactured by ATI

## Specifications



Attachment	DB84	DB96
<b>Komatsu Model</b>		
SK714	◆	
SK815, SK818, SK820, SK1020, SK1026		◆*
<b>Dimensions</b>		
Width from Centerline to Inside Edge @ 15° Angle	43.53"	49.31"
Width from Centerline to Inside Edge @ 30° Angle	42.19"	47.38"
Dozer Blade Width @15° Angle	81.13"	92.73"
Dozer Blade Width @30° Angle	73.13"	83.56"
Width from Centerline to Outside Edge @ 15° Angle	37.63"	43.41"
Width from Centerline to Outside Edge @ 30° Angle	30.94"	36.16"
Overall Width	84.00"	96.00"
Angle Left and Right	30°	30°
Overall Length	36.68"	36.68"
Overall Height	29.89"	29.89"
Approx. Weight	1365 lb	1460 lb

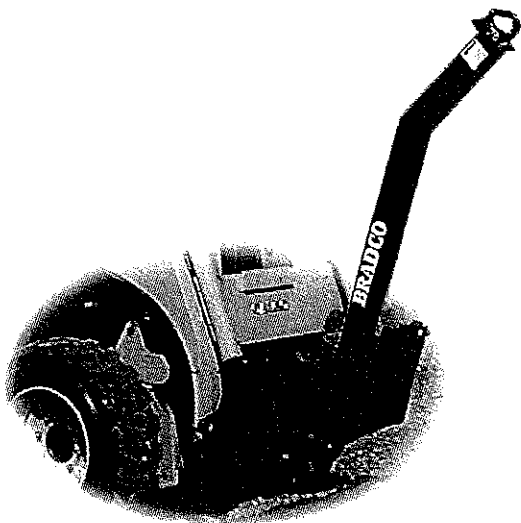
\* For Low Flow Circuit



# BOOM — MATERIAL HANDLING

Attachment Technologies Inc.

The **Material Handling Boom** is the perfect piece to complete your landscape tool inventory. Use it to set trees and move cut trees. Also, this boom can handle moving attachments or concrete forms around the job site.



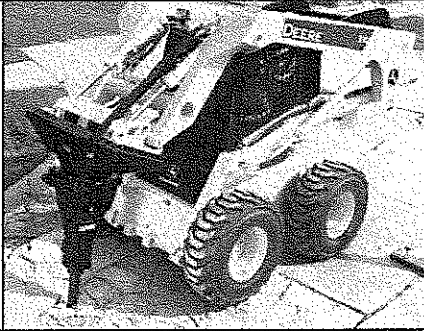
- Pintle hitch standard.
- 1500 lb lift capacity.
- Skid steer rear counterweight attachment recommended for some applications.
- Manufactured by ATI

## Specifications

<b>Attachment</b>	MH66
<b>Komatsu Model</b>	
SK714, SK815, SK818, SK820, SK1020, SK1026	◆
<b>Dimensions</b>	
Rated Load Capacity	1500 lb
Height	66"



JOHN DEERE



# HYDRAULIC BREAKERS

HB15 | HB30 | HB60 | HB85



**WORKSITE PRO**

COMMERCIAL WORKSITE PRODUCTS

# HYDRAULIC BREAKERS

## SPECIFICATIONS

# HB15 / HB30 / HB60 / HB85

Low-pressure, nitrogen-charged design cushions operator and machine from breaker recoil.

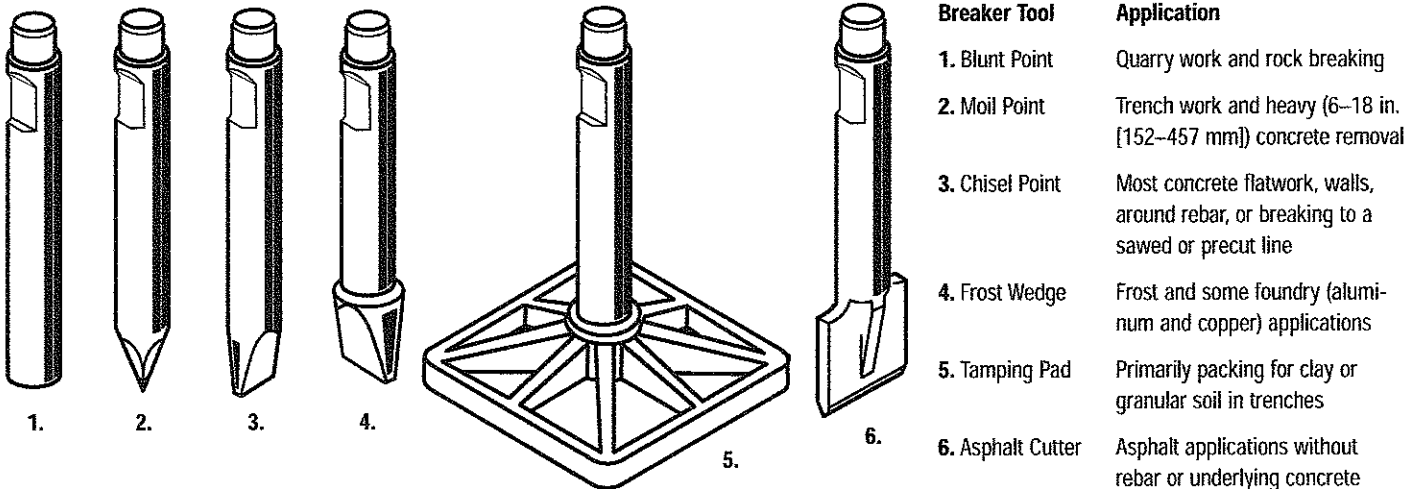
Instead of a high-pressure accumulator, Worksite Pro™ breakers employ hydraulics and a gas-assist cycle to develop force. For more efficient operation and high power-to-weight ratios.

Narrow overall shape lets these breakers work in tight quarters, on crowded jobsites, and in places other breakers can't.

With few seals, moving parts, and no special tools necessary for repair, Worksite Pro breakers provide unsurpassed durability and simplified maintenance.

Like all Worksite Pro attachments, these breakers are optimized to work with John Deere skid steers, compact track loaders, and compact excavators, and are compatible with most competitive models. Plus, they're backed by a one-year warranty and one-of-a-kind parts and service. See your John Deere CWP dealer for details.

	HB15	HB30	HB60	HB85
<b>Impact energy</b> .....	200 lb.-ft. (28 kg/m)	350 lb.-ft. (49 kg/m)	600 lb.-ft. (81 kg/m)	850 lb.-ft. (116 kg/m)
<b>Adjustable blows per minute</b> .....	520-1,170	590-1,200	480-1,200	480-960
<b>Required oil flow</b> .....	5-12 gpm (19-45 L/min.)	8-16 gpm (30-60 L/min.)	8-17 gpm (30-64 L/min.)	13-21 gpm (49-79 L/min.)
<b>Nitrogen gas pressure</b> .....	190-210 psi (13-14 bar)	190-210 psi (13-14 bar)	580 psi (40 bar)	580 psi (40 bar)
<b>Total weight with tool</b>				
<b>Skid steer</b> .....	524 lb. (237 kg)	704 lb. (319 kg)	900 lb. (408 kg)	1,040 lb. (471 kg)
<b>Excavator</b> .....	340 lb. (154 kg)	520 lb. (236 kg)	670 lb. (304 kg)	1,000 lb. (454 kg)
<b>Total length</b> .....	50 in. (1270 mm)	52 in. (1321 mm)	54 in. (1372 mm)	64 in. (1626 mm)
<b>Tool diameter</b> .....	2.0 in. (50 mm)	2.4 in. (60 mm)	2.6 in. (65 mm)	3.1 in. (80 mm)
<b>Vehicle compatibility</b> .....	317, 320, 17Zts, 27D, and 35D	317, 320, 325, 328, 17Zts, 27D, 35D, and CT322	317, 320, 325, 328, 27D, 35D, 50D, 110 TLB, and CT322	325, 328, 332, 35D, 50D, and CT332



# WORKSITE PRO

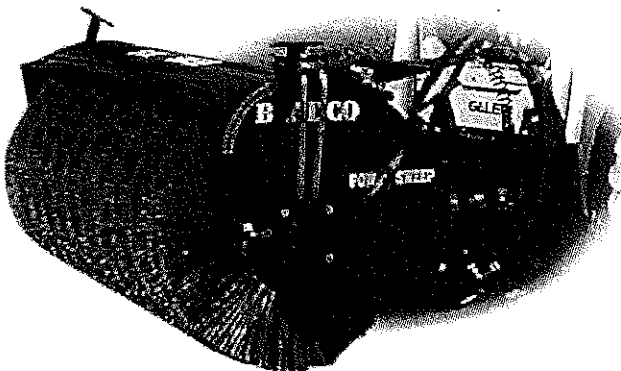


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# BROOM — ANGLE Attachment Technologies Inc.

**Angle Brooms** are excellent for cleaning and removing dirt, small rocks, snow and other debris from parking lots, driveways, streets, sidewalks and floors.



- Moves loose materials ahead and to the side of the broom.
- Angles 30° left or right.
- Adjustable down force.
- Easily adjusted brush settings.
- Side shifts 10" off center (left or right).
- Heavy gauge side plates and shell.
- Inset hydraulic motor for motor protection and better obstacle clearance.
- Flat face O-ring seal couplers eliminate hydraulic leaks.
- Poly/wire brush uses more wafers than many competitors.
- Optional water kit with 25 gallon water reservoir.
- Optional hydraulic angle kit.
- Manufactured by ATI

*Price* →

## Specifications

Attachment	AB72	AB84
<b>Komatsu Model</b>		
SK714, SK815	◆*	
SK818, SK820, SK1020, SK1026		◆*
<b>Dimensions</b>		
Overall Width	82"	94"
Sweeping Width	76"	88"
Overall Height	35.5"	35.5"
Length Coupler to Brush Front	59.60"	59.60"
Transport Height On Stand	40.0"	40.0"
Maximum Angle (Left and Right)	30°	30°
Sweeping Width @ 30° Angle	66"	76"
Weight	972 lb	1031 lb
Brush Diameter	32"	32"
Wafers (Quantity)	38	45

\* For Low Flow Circuit

# WOODS® BUCKETS

## Angle broom

AB7200 angle broom is designed for demanding use, featuring heavy-duty construction, hydraulic drive, 30-degree left or right angle adjustment, and a quick attach mounting for most applications.

	AB7200	AB8400
Sweeping path	66"	78"
Overall width	72"	84"
Broom Diameter	32"	32"
Approximate weight	974 lbs.	1,033 lbs.
Brush angle-left/right	30°	30°
Hydraulic requirements	10 gpm @ 2,000 psi	10 gpm @ 2,000 psi

Consult your Woods Dealer Services representative for power unit compatibility.

## Pick-up broom

The PB6000 pick-up broom features forward and reverse sweeping directions, a bolt-on cutting edge to loosen debris, and lightweight construction to allow mounting on loaders with lower lift capacities.

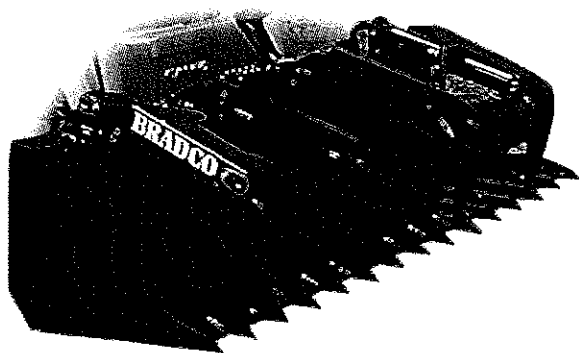
	PB6000
Brush width	60"
Overall width	68-1/2"
Broom diameter	26"
Height	25-1/4"
Length	67.7"
Approximate weight	955 lbs.
Hopper capacity	13.5 cu. ft.
Hydraulic requirements	8 gpm @ 2,000 psi

Consult your Woods Dealer Services representative for power unit compatibility.

# BUCKET — BRUSH GRAPPLE

Attachment Technologies Inc.

**Brush Grapple Buckets** performs many jobs in one. In a single pass, rake away debris, keep it in a manageable pile, move it around with ease, or use it to backfill. Load or pile logs, brush, rocks, demolition debris, and many other types of materials.



- Dual independent see-through grapples.
- Helix tooth design to aid in pulling the work into the bucket.
- Complete protection for cylinders (top, bottom and outboard sides).
- Double pilot-operated check valve for locking grapple into position.
- Hydraulic hose protection and seclusion (hoses route immediately into top cross tubing).
- Pivot pins have lubrication capabilities.
- Flat face O-ring seal couplers eliminate leaks.
- Skid steer rear counterweight attachment recommended for some applications.
- Manufactured by ATI

## Specifications

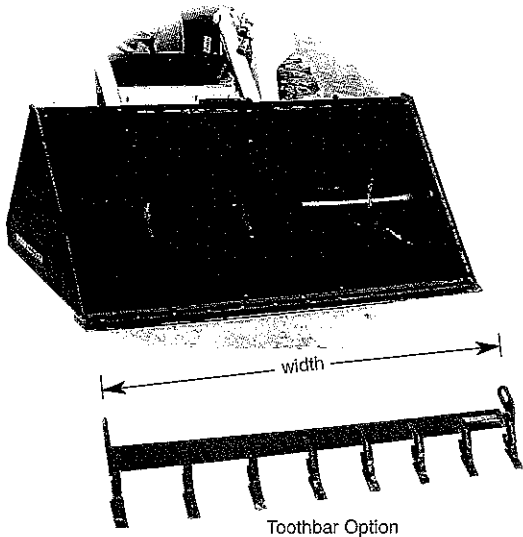
Attachment	BG72	BG84
<b>Komatsu Model</b>		
SK714	◆*	
SK815, SK818, SK820	◆*	◆*
SK1020, SK1026		◆*
<b>Dimensions</b>		
Overall Width	72"	84"
Overall Depth	35.9"	35.9"
Grapple Width	20.5"	20.5"
Tine Spacing	6"	6"
Grapple Height - Closed	26.4"	26.4"
Grapple Hook - Opening	42"	42"
Overall Weight (lbs)	794 lb	826 lb
Clamping Force (lbs)	1250 lb	1250 lb
Number of Grapple Teeth	4	4
Number of Cylinders	2	2
Tines & End Plates	1/2" T1 Steel (100,000 lb yield)	1/2" T1 Steel (100,000 lb yield)
Bore	2.00"	2.00"
Stroke	8.25"	8.25"
Rod Diameter	1.25"	1.25"

\* For Low Flow Circuit

# BUCKETS — GENERAL PURPOSE UTILITY & LIGHT MATERIAL

Woods Equipment Corporation

**General Purpose Utility Buckets** are ideal for light to medium material load and carry operations. The **Light Material Buckets** are primarily for low density material such as woodchips, mulch, fertilizer, snow and other light aggregate.



- Heavy-duty construction utilizes no internal gussets or obstructions.
- Round design moldboard offers maximum loading and unloading capabilities and higher capacities for light material handling applications.
- The square back profile allows for reverse grading.
- A pre-drilled front edge will accept a bolt-on edge.
- Bucket with factory-installed bolt-on edge available.
- Bucket with welded Hensley tooth adapters available (utility only).
- Skid steer rear counterweight attachment recommended for some applications.
- Manufactured by Woods Equipment Corporation

## Specifications

Attachment	UT66	UT72	LM66	LM72	LM78	LM84
<b>Komatsu Model</b>						
SK714-5	◆	◆	◆	◆	◆	
SK815-5, SK818, SK820	◆	◆	◆	◆	◆	◆
SK1020, SK1026		◆		◆	◆	◆
<b>Dimensions</b>						
Type	GPU	GPU	LM	LM	LM	LM
Width	66"	72"	66"	72"	78"	84"
Height	25"	25"	26"	26"	26"	26"
Length	35"	35"	38"	38"	38"	38"
Approximate Weight	513 lb	553 lb	543 lb	585 lb	617 lb	660 lb
Heaped Capacity	20.8 cu ft	22.8 cu ft	23.5 cu ft	25.8 cu ft	28.1 cu ft	30.3 cu ft
Optional Bolt-on Cutting Edge	5/8" x 8" reversible	5/8" x 8" reversible	5/8" x 8" reversible	5/8" x 8" reversible	5/8" x 8" reversible	5/8" x 8" reversible
Optional Bolt-on Toothbar Inside Bucket Width	64-3/8"-64-3/4"	70-3/8"-70-3/4"	not recommended	not recommended	not recommended	not recommended

# WOODS® BUCKETS

## Short bottom, low profile construction bucket

GP3000 series buckets have a round design moldboard for maximum loading and unloading, a square back design for reverse grading, a predrilled cutting edge to accept bolt-on reversible cutting edge. Weld-on adapters using Hensley® or Fabco® pin-on teeth available.

	GP3060	GP3063*	GP3066	GP3072	GP3073*	GP3078	GP3084
Width	60"	63"	66"	72"	73"	78"	84"
Height	19.6"	19.6"	19.6"	19.6"	19.6"	19.6"	19.6"
Length	32.4"	32.4"	32.4"	32.4"	32.4"	32.4"	32.4"
Approx. weight	402 lbs.	413 lbs.	428 lbs.	463 lbs.	469 lbs.	490 lbs.	524 lbs.
Heaped capacity	11.7 cu. ft.	12.3 cu. ft.	12.9 cu. ft.	14.2 cu. ft.	14.4 cu. ft.	15.4 cu. ft.	16.6 cu. ft.
Struck capacity	9.0 cu. ft.	9.4 cu. ft.	9.9 cu. ft.	10.8 cu. ft.	10.9 cu. ft.	11.7 cu. ft.	12.6 cu. ft.

\* For use on Case® skid steer loader Series 1 models only. Consult your Woods Dealer Services representative for power unit compatibility.

## Long bottom, low profile construction bucket

GP4000 series buckets have a round design moldboard for maximum loading and unloading, longer bottom for improved visibility from the operator's seat, a square back design for reverse grading, a predrilled cutting edge to accept bolt-on reversible cutting edge. Weld-on adapters using Hensley or Fabco pin-on teeth available.

	GP4060	GP4063*	GP4066	GP4072	GP4073*	GP4078	GP4084
Width	60"	63"	66"	72"	73"	78"	84"
Height	19.6"	19.6"	19.6"	19.6"	19.6"	19.6"	19.6"
Length	38.4"	38.4"	38.4"	38.4"	38.4"	38.4"	38.4"
Approx. weight	434 lbs.	448 lbs.	463 lbs.	501 lbs.	508 lbs.	529 lbs.	568 lbs.
Heaped capacity	14.4 cu. ft.	15.2 cu. ft.	15.9 cu. ft.	17.5 cu. ft.	17.8 cu. ft.	19 cu. ft.	20.6 cu. ft.
Struck capacity	10.8 cu. ft.	11.7 cu. ft.	11.9 cu. ft.	13.0 cu. ft.	13.1 cu. ft.	14.1 cu. ft.	15.2 cu. ft.

\* For use on Case skid steer loader Series 1 models only. Consult your Woods Dealer Services representative for power unit compatibility.

## Utility bucket

GP5000 series buckets have a round design moldboard for maximum loading and unloading, a square back design for reverse grading, a predrilled cutting edge to accept bolt-on reversible cutting edge. Weld-on adapters using Hensley or Fabco pin-on teeth available.

	GP5060	GP5063*	GP5066	GP5072	GP5073*	GP5078	GP5084
Width	60"	63"	66"	72"	73"	78"	84"
Height	25.4"	25.4"	25.4"	25.4"	25.4"	25.4"	25.4"
Length	38.3"	38.3"	38.3"	38.3"	38.3"	38.3"	38.3"
Approx. weight	482 lbs.	497 lbs.	513 lbs.	553 lbs.	558 lbs.	583 lbs.	644 lbs.
Heaped capacity	18.7 cu. ft.	19.7 cu. ft.	20.7 cu. ft.	22.7 cu. ft.	23 cu. ft.	24.7 cu. ft.	26.7 cu. ft.
Struck capacity	14.6 cu. ft.	15.4 cu. ft.	16.1 cu. ft.	17.6 cu. ft.	17.9 cu. ft.	19.1 cu. ft.	20.6 cu. ft.

\* For use on Case skid steer loader models only. Consult your Woods Dealer Services representative for power unit compatibility.

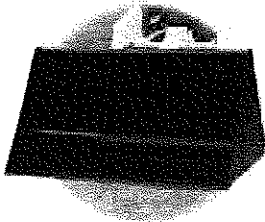
## Snow and litter bucket

GP6000 series snow and litter buckets are designed specifically for light material handling with heavy-duty construction, a round design moldboard, and a pre-drilled front to accept a bolt-on cutting edge.

	GP6066	GP6072	GP6078	GP6084
Width	66"	72"	78"	84"
Height	26.4"	26.4"	26.4"	26.4"
Length	41.4"	41.4"	41.4"	41.4"
Approx. weight	543 lbs.	585 lbs.	617 lbs.	660 lbs.
Heaped capacity	23.3 cu. ft.	25.6 cu. ft.	27.9 cu. ft.	30.2 cu. ft.
Struck capacity	18.2 cu. ft.	19.9 cu. ft.	21.5 cu. ft.	23.2 cu. ft.

Consult your Woods Dealer Services representative for power unit compatibility.



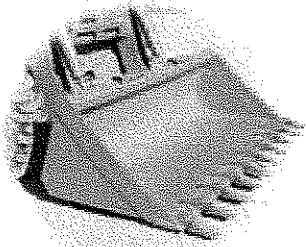


## Light material, high capacity bucket

GP7000 series buckets are designed specifically for high capacity, light material handling, featuring heavy-duty construction, and a pre-drilled front to accept a bolt-on cutting edge.

	GP7076	GP7078
Width	76"	78"
Height	38.4"	38.4"
Length	45.4"	45.4"
Approx. weight	746 lbs.	755 lbs.
Heaped capacity	43.8 cu. ft.	45 cu. ft.
Struck capacity	34.9 cu. ft.	35.8 cu. ft.

Consult your Woods Dealer Services representative for power unit compatibility.



## Extreme-duty construction bucket

Extreme-duty construction buckets feature low profile and long bottom design for greater visibility. These buckets feature a round design moldboard for maximum loading and unloading, a square back design for reverse grading, a predrilled cutting edge to accept bolt-on reversible cutting edge.

	GP4254	GP4260	HGP4160	HGP4166	HGP4172	HGP4173	HGP4178	HGP4182	HGP7182*
Width	54"	60"	60"	66"	72"	73"	78"	82"	82"
Height	21.4"	21.4"	21.4"	21.4"	21.4"	21.4"	21.4"	21.4"	27.7"
Length	37.7"	37.7"	34.2"	34.2"	34.2"	34.2"	34.2"	34.2"	43.4"
Approx. weight	405 lbs.	440 lbs.	583 lbs.	616 lbs.	650 lbs.	655 lbs.	683 lbs.	705 lbs.	870 lbs.
Heaped capacity	14.8 cu. ft.	16.6 cu. ft.	13.7 cu. ft.	15.1 cu. ft.	16.6 cu. ft.	16.8 cu. ft.	18.0 cu. ft.	19 cu. ft.	32.5 cu. ft.
Struck capacity	10.8 cu. ft.	12.0 cu. ft.	10.6 cu. ft.	11.7 cu. ft.	12.8 cu. ft.	12.9 cu. ft.	13.8 cu. ft.	14.6 cu. ft.	25.2 cu. ft.

\* For use on Case skid steer loader Series 1 models only.

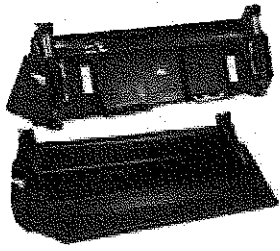


## Multi-purpose bucket

A versatile, multiple use bucket for grading, dozing, clamping, loading, and high dumping. A bolt-on replaceable dozer edge is standard and the front edge is pre-drilled to accept an optional bolt-on cutting edge or toothbar. Weld-on adapters using Hensley pin-on teeth available.

	MP6000	MP6600	MP7300	MP7800
Width	60"	66"	73"	78"
Height	20"	20"	20"	20"
Length	30"	30"	30"	30"
Approx. weight	529 lbs.	582 lbs.	644 lbs.	688 lbs.
Cylinder bore diameter	3"	3"	3"	3"
Cylinder stroke	8"	8"	8"	8"
Heaped capacity	11.5 cu. ft.	12.8 cu. ft.	14.2 cu. ft.	15.5 cu. ft.
Struck capacity	10.8 cu. ft.	12.0 cu. ft.	10.6 cu. ft.	11.7 cu. ft.

# WOODS® BUCKETS



## Gannon® heavy-duty multi-purpose bucket

A versatile, multiple use bucket for grading, dozing, clamping, loading, and high dumping. A bolt-on replaceable dozer edge is standard and the front edge is pre-drilled to accept an optional bolt-on cutting edge or toothbar. Weld-on adapters using Hensley pin-on teeth available.

	MP1560	MP1760	MP1773	MP1778
Width	60"	67"	73"	78"
Height	24"	24"	24"	24"
Length	20"	28"	28"	28"
Approx. weight	643 lbs.	702 lbs.	804 lbs.	858 lbs.
Heaped capacity	11.5 cu. ft.	12.8 cu. ft.	14.2 cu. ft.	15.5 cu. ft.
Struck capacity	10.5 cu. ft.	15.5 cu. ft.	17.5 cu. ft.	18.5 cu. ft.
Cylinder bore diameter	2"	2"	2"	2"
Cylinder bore	3"	3"	3"	3"
Cylinder stroke	7"	7"	7"	7"

Consult your Woods Dealer Services representative for power unit compatibility.

## Toothbar

Standard-duty TB and heavy-duty CETB series toothbars are designed to fit most skid steer buckets, offering the versatility of quick modification for excavating. Available in 1/2-inch increments from 48 to 84 inches.

### Standard-duty

	CETB480	CETB540	CETB600	CETB630	CETB660	CETB720	CETB730	CETB780	CETB840
Width	48"	54"	60"	63"	66"	72"	73"	78"	84"
No. Teeth	6	6	7	7	8	8	8	9	9
Weight	49 lbs.	50 lbs.	59 lbs.	60 lbs.	66 lbs.	69 lbs.	69 lbs.	75 lbs.	79 lbs.

### Heavy-duty

	TB4048	TB4054	TB4060	TB4063	TB4066	TB4072	TB4073	TB4078	TB4084
Width	48"	54"	60"	63"	66"	72"	73"	78"	84"
No. Teeth	6	6	7	7	8	8	8	9	9
Weight	60 lbs.	65 lbs.	72 lbs.	75 lbs.	80 lbs.	85 lbs.	85 lbs.	92 lbs.	97 lbs.

## Scrap grapple bucket

Engineered for long service life, and featuring double grapples to maximize load handling. A pre-drilled front edge accepts bolt-on 5/8 x 8-inch reversible cutting edge.

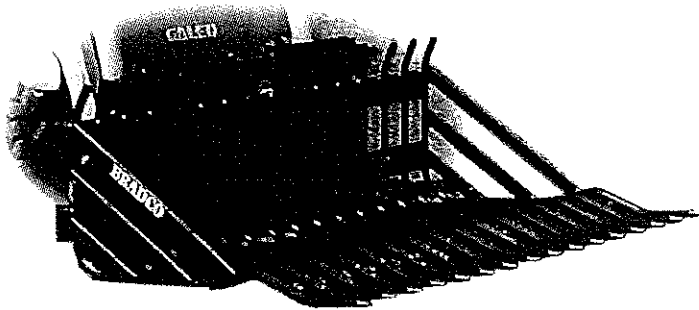
	HSG1073*	HSG1082*	HSG1166	HSG1172	HSG1178	HSG1184
Width	73"	82"	66"	72"	78"	84"
Height	20.3"	20.3"	20.3"	20.3"	20.3"	20.3"
Length	30.2"	30.2"	30.2"	30.2"	30.2"	30.2"
Capacity	14.2 cu. ft.	15.9 cu. ft.	12.8 cu. ft.	14 cu. ft.	15.2 cu. ft.	16.3 cu. ft.
Approximate weight	858 lbs.	900 lbs.	826 lbs.	856 lbs.	886 lbs.	916 lbs.
Cylinder bore diameter	2"	2"	2"	2"	2"	2"
Cylinder stroke	8-1/4"	8-1/4"	8-1/4"	8-1/4"	8-1/4"	8-1/4"

Consult your Woods Dealer Services representative for power unit compatibility.

\* For use on Case skid steer loader Series 1 models only.

# BUCKET — ROCK Attachment Technologies Inc.

**Rock Buckets** are designed to rake, pile and load debris from construction sites, pastures, fields and other areas.



- Cradles the collected rocks and debris while additional material is being collected.
- Tine spacing determines the size of the rocks and debris that will be retained while allowing the soil to sift back to the ground.
- The rake design is used to gather material away from buildings and obstructions, for faster clean up of debris, to level out clumps of dirt and to pick up pieces of sod.
- Manufactured by ATI

## Specifications

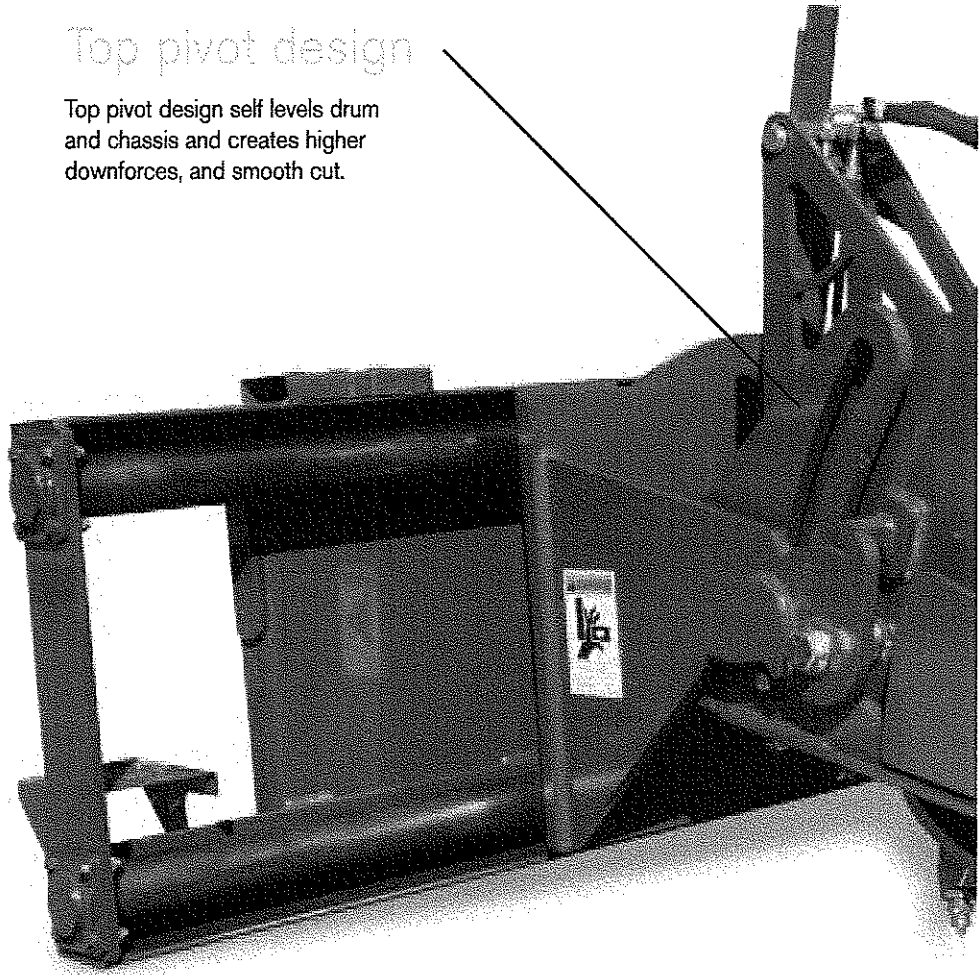
Attachment	RB66	RB75
<b>Komatsu Model</b>		
SK714	◆*	
SK815, SK818, SK820, SK1020, SK1026		◆*
<b>Dimensions</b>		
Overall Width	65.85"	74.35"
Overall Depth	42.45"	42.45"
Depth with Skid-Steer Mounting	49.80"	49.80"
Overall Height	21.77"	21.77"
Tine Spacing (Center to Center)	4.25"	4.25"
Tine Spacing (Between Tines)	3.125"	3.125"
Overall Weight (lbs)	550 lb	619 lb
Number of Tines	16	18
Tine Rod Diameter	1.125"	1.125"

# ALITEC™ HIGH-FLOW COLD PLANER



## Top pivot design

Top pivot design self levels drum and chassis and creates higher downforces, and smooth cut.

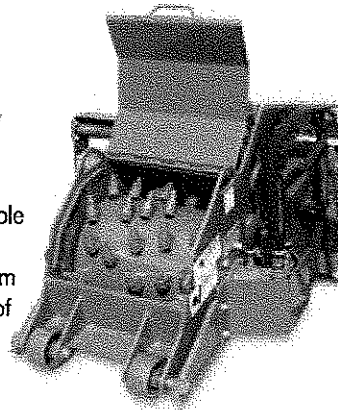


## ADVANTAGES:

- Adaptable to a wide variety of job environments including road construction, bridge deck repair, landscaping, municipal, shopping center, and utility work.
- Easy to maneuver around manholes and storm drains; excellent for bridge decks where heavier dedicated planers are not allowed.
- Full-width side shift feature moves planer 66 inches from left to right for maximum maneuverability.
- Manual controls attach to any skid steer loader. No electrical hook-ups or harnesses needed. Ideal where multiple host machines are used with the same planer.
- Two tools in one; cut asphalt and concrete with the same machine. Optional water kit reduces dust and increases tooth life by 20 to 30 percent.

## Drum assembly

Solid drum design creates fine, recyclable aggregate. Material moves to rear of drum to prevent remilling of material.



## Planetary drum drive

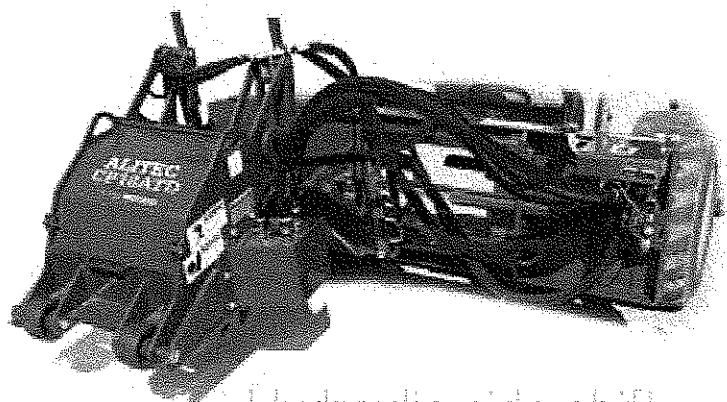
Planetary drum drive generates higher torque than direct drive packages.

### ASPHALT APPLICATIONS:

- Curb cuts and wedge cuts
- Butt joints
- Pothole repair
- Milling frost heaves
- Re-establishing proper drainage characteristics
- Texturing pavement for skid resistance
- Removing traffic lane stripes
- Full depth utility cuts

### CONCRETE APPLICATIONS:

- Scarifying for skid resistance
- Milling prior to overlay
- Planing uneven sidewalk or street joints



### Hydraulic side shift

Standard planer shifts up to 22 inches to right allowing cuts close to curbs. Optional full-width side shift feature moves the planer fully from left to right – 66 inches in less than one minute—not just to the right, as is standard in the industry.

### Electro-tilt controls

Electro-hydraulic tilt, depth, and sideshift control allows operator to adjust the position of the drum to match exact job requirements; standard on all high-flow models.

## Specifications For skid steer loaders 1,300 lbs. and larger

	CP12LFA	CP16ATD	CP18ATD	CP24ATD	CP30ATD	CP36ATD	CP40ATD
Depth of cut	0-5" (0-127 mm)	0-6" (0-150 mm)	0-6" (0-150 mm)	0-6" (0-150 mm)	0-6" (0-150 mm)	0-6" (0-150 mm)	0-8" (0-150 mm)
Width of cut	12" (305 mm)	16" (406 mm)	18" (457 mm)	24" (610 mm)	30" (762 mm)	36" (914 mm)	40" (0-1016 mm)
Number of teeth	28	50	56	70	77	99	87
Standard sideshift	0-22" (560 mm)	0-22" (560 mm)	0-22" (560 mm)	0-22" (560 mm)	0-22" (560 mm)	0-22" (560 mm)	0-22" (560 mm)
Full width sideshift	–	optional	optional	optional	optional	optional	optional
Tilt	15°	15°	15°	15°	12.5°	11°	10°
Hydraulic requirements	15 gpm/2,000 psi (57 lpm/138 bar)	20 gpm/2,500 psi 75 lpm/172 bar	28 gpm/2,000 psi 94 lpm/172 bar	25 gpm/2,500 psi 94 lpm/206 bar	25 gpm/3,000 psi 105 lpm/206 bar	28 gpm/3000 psi 105 lpm/206 bar	30 gpm/3,000 psi 113 lpm/206 bar
Weight	1,340 lbs. (608 kg)	1,750 lbs. (795 kg)	2,000 lbs. (909 kg)	2,300 lbs. (1,045 kg)	2,450 lbs. (1,113 kg)	2,650 lbs. (1,205 kg)	3,000 lbs. (1,360 kg)
Depth control	manual	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
Tilt control	manual	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
Manual hydr. control	–	optional	optional	optional	optional	optional	optional

low-flow

high-flow

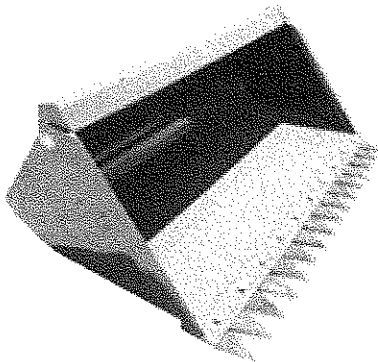
Optional Step Drums	2.5"	4"	12"	16"	18"	24"	30"	40"
CP16	•	•	•	Std				
CP18	•	•	•	•	Std			
CP24	•	•	•	•	•	Std		
CP30	•	•	•	•	•	•	Std	
CP40	•	•	•	•	•	•	•	Std



**FFC Attachments**



### 3-in-1 Bucket Edge



- **Bolt-on Edge** - strengthens bucket & is wear-resistant
- **Bucket** - better visibility
- **Toothbar** - serrated edge allows better penetration into hard ground conditions
- **Rake** - back-drag dirt where you want it & break up large dirt clods; Collect unwanted debris for easy removal

#### Wide Tooth

Primary Use: Digging

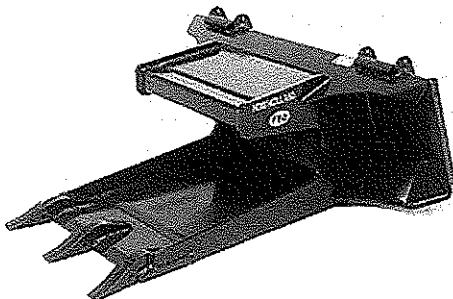
Model	Width	Weight	Teeth
9116	60"	56 lbs.	12
9111	63"	58 lbs.	12
9126	66"	62 lbs.	13
9121	73"	67 lbs.	14
9136	78"	72 lbs.	15
9131	82"	76 lbs.	16

#### Narrow Tooth

Primary Use: Landscaping

Model	Width	Weight	Teeth
9104	41½"	40 lbs.	16
9105	54"	48 lbs.	21
9115	60"	54 lbs.	23
9110	63"	56 lbs.	24
9125	66"	60 lbs.	26
9120	73"	65 lbs.	28
9135	78"	70 lbs.	30
9130	82"	74 lbs.	32

### Concrete Claw

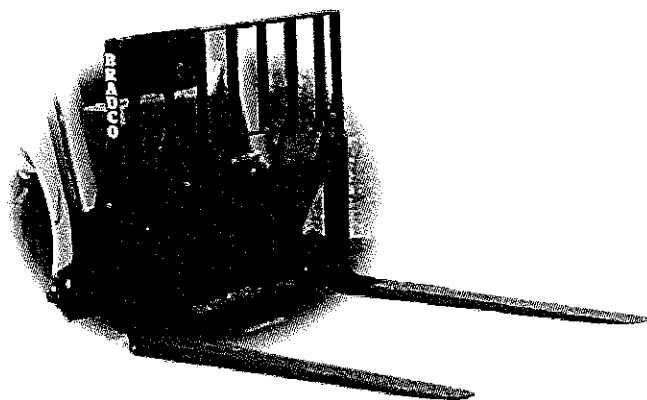


The Concrete Claw from FFC can quickly and efficiently remove concrete from sidewalks or driveways. Slide the claw teeth under the concrete, lift and load. End plates and tooth shanks are made with high strength T-1 steel. The Concrete Claw is designed for skid-steers, compact utility loaders, wheel loaders and utility loaders.

- Replaceable points
- End plates and Tooth Shanks are made with high strength T-1 steel
- 1" x 8" wear resistant Pacal steel tapered cutting edge
- Features name-brand replaceable points with 1½" wide shanks

# FORKS — PALLET Attachment Technologies Inc.

**Pallet Forks** are designed and constructed specifically for heavy duty applications. This essential tool easily transports bulky, baled or palletized materials.



- Rail type, double lock down provides protection from load shifting.
- Certified forged teeth increase strength and service life.
- Backguard allows for greater operator visibility.
- Skid steer rear counterweight attachment recommended for some applications.
- Manufactured by ATI

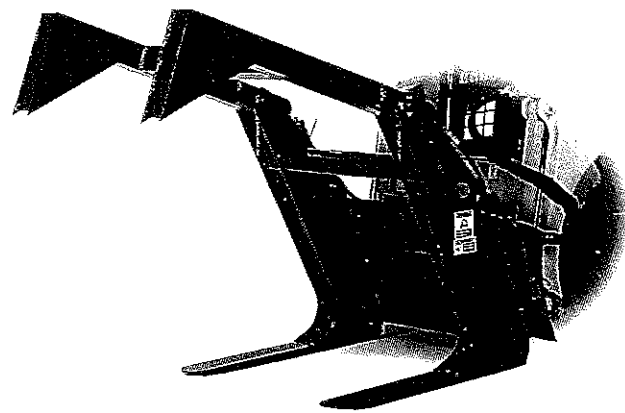
## Specifications

Attachment	PF48
<b>Komatsu Model</b>	
SK714, SK815, SK818, SK820, SK1020, SK1026	◆*
<b>Dimensions</b>	
Weight (including mounting)	370 lb
Fork Length	48"
Fork Capacity	4000 lb
Fork Spread Range	4-3/8 - 40-3/8"
High Visibility Back Guard	yes
Tooth Double Lock Downs	yes

# GRAPPLE — LOG FORK

## FFC Attachments

The **Log Fork Grapple** is an excellent attachment for handling logs, pipes, brush, and other bulky materials.



- 2" x 8" hydraulic cylinder.
- Closes to 6" log or pipe.
- Flat face O-ring seal couplers eliminate leaks.
- Skid steer rear counterweight attachment recommended for some applications.
- Manufactured by FFC

## Specifications

Attachment	LG28
<b>Komatsu Model</b>	
SK714, SK815, SK818, SK820, SK1020, SK1026	◆
SK815, SK818, SK820, SK1020, SK1026 - HIGH FLOW	◆*
<b>Dimensions</b>	
Tine Length	28.4"
Opening Height	43.1"
Capacity	6400 lb
Weight	610 lb

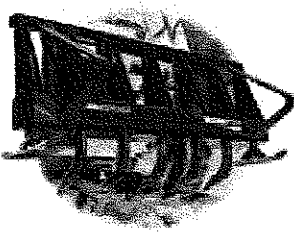
\* For Low Flow Circuit



# WOODS® BUCKETS

## Scarifier

The SF3000 scarifier is designed to loosen hard-packed soil for landscaping or loosen asphalt for easier removal.



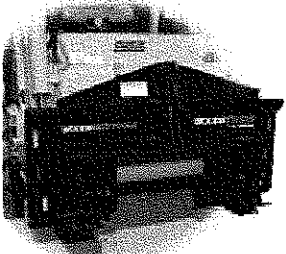
### SF3000

Working width	40"
Working depth	1" – 6"
Overall width	60.6"
Operating height range	23.5" – 28.5"
Length	18"
Approx. weight	350 lbs.
Number of shanks	5

Consult your Woods Dealer Services representative for power unit compatibility.

## 3-point hitch

TH3000 3-point hitch adapts category 1, 3-point non-powered attachments to skid steer loaders. With the TH3000, landscape rakes, box scrapers, pulverizers and more are skid steer compatible.



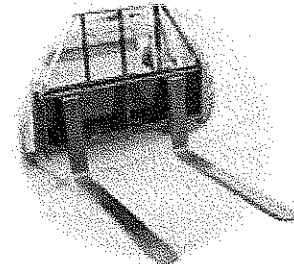
### TH3000

Overall width	45.1"
Height	25.2"
Length	11.6"
Approx. weight	180 lbs.

Consult your Woods Dealer Services representative for power unit compatibility.

## Pallet fork

Pallet forks feature adjustable solid forks and a maximum 1,700 pound load rating.



### PF17

Skid steer size range	1,000 – 1,700 lbs.
Weight with mounting	468 lbs.
Fork tine dimensions	1-1/2 x 4 x 46" solid
Fork frame capacity*	1,700 lbs.
Fork spread	8" – 40"
Backguard	standard

\* At 24 inches from frame. Consult your Woods Dealer Services representative for power unit compatibility.

## Durafork

Duraforks are designed for heavy-duty use, featuring certified forged steel tines for strength and long life, rail type double lock downs, a high visibility backguard, and load ratings of up to 4,573 pounds.



### DF3600

### DF4200

### DF4800

### HF1148

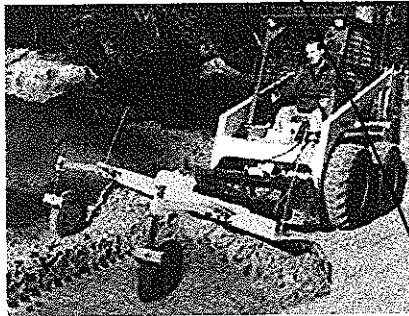
	DF3600	DF4200	DF4800	HF1148
Weight <sup>1</sup>	355 lbs.	372 lbs.	389 lbs.	536 lbs.
Fork length	36"	42"	48"	48"
Fork capacity <sup>2</sup>	3,430 lbs.	3,430 lbs.	3,430 lbs.	6,000 lbs.
Fork tine dimensions	1-1/4" x 4"	1-1/4" x 4"	1-1/4" x 4"	1-3/4" x 4"
Fork spread range <sup>3</sup>	16-3/8" – 40-3/8"	16-3/8" – 40-3/8"	16-3/8" – 40-3/8"	16-3/8" – 40-3/8"
High visibility back guard	yes	yes	yes	yes
Tine double lock downs	yes	yes	yes	yes

<sup>1</sup>Including mounting. <sup>2</sup> At 24 inches from frame. <sup>3</sup> Forks spread in 6-inch increments.

Consult your Woods Dealer Services representative for power unit compatibility.

6864	1092 lbs	.48 yd <sup>3</sup>	66"	10-25	1000-3500
6874	1200 lbs	.56 yd <sup>3</sup>	76"	10-25	1000-3500

## Grader Rake



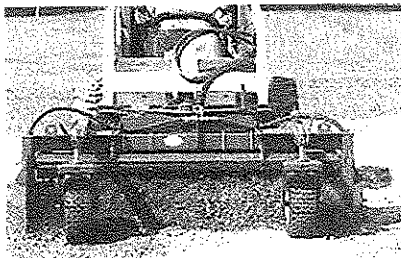
- Tines increase digging action for grading; separates debris for site clean-up
- Tines scarify and level hard-packed soils when grading
- Increases productivity over conventional rake by operating in a forward direction
- Features full-floating design to follow compound grades, and oscillates from side to side for crowning roads

FFC's Grader Rake is a versatile grading and clean-up tool that will become one of your most useful attachments. Its aggressive yet forgiving tines rake and separate debris during site clean-up as well as scarify and level hard packed soils when grading.

The Grader Rake is designed to operate forward and with its gauge wheels located just ahead of the tines and its reversible hydraulic angle, it turns your skidsteer or tractor into a mini road or landscape grader. It features a floating design to follow compound grades and oscillates from side to side for crowning roads.

Model	Width	Weight	Lift Capacity	Operating Weight
6682	82"	600 lbs	7500 lbs	11,000 lbs
6692	92"	650 lbs	7500 lbs	11,000 lbs
6697	97"	700 lbs	7500 lbs	11,000 lbs
6602	102"	750 lbs	7500 lbs	11,000 lbs
6696	97"	815 lbs	10,000 lbs	20,000 lbs
6608	108"	850 lbs	10,000 lbs	20,000 lbs
6618	116"	885 lbs	10,000 lbs	20,000 lbs

## Power Rake



- Pulverizes soil, removes debris, finish-grades, spreads fill or soil and dethatches
- Dual motor design delivers up to 40% more power (48" model uses single motor); direct-drive motor eliminates chains and sprockets
- Heavy-duty frame and carbide teeth increases durability
- 8.6" bi-directional drum works soil forward and backward
- Available with manual or hydraulic angling (to 20° in either direction), as rigid-mount, with 4-bar floating linkage or with 3-point hitch (hydraulic drive)



LAF5690

Model	Working Width	Width	Height	Approx. Weight	Drum Torque @ 2500 psi	GPM Range
<b>Manual Angle (or Hydraulic)</b>						
5648	48"	61"	30.3"	870 lbs	469 ft-lb	8-20
5672	72"	83"	30.3"	100 lbs	605 ft-lb	12-40
5690	90"	101"	30.3"	1075 lbs	605 ft-lb	12-40
<b>Rigid Mount</b>						
5649	48"	61"	27.6"	720 lbs	469 ft-lb	8-20
5673	72"	83"	27.6"	850 lbs	605 ft-lb	12-40
5691	90"	101"	27.6"	925 lbs	605 ft-lb	12-40
<b>PTO Driven</b>					<b>Drum RPM @ 540 RPM PTO</b>	
5660	56"	67.5"	38"	1150 lbs	211	
5676	72"	83.5"	38"	1220 lbs	211	
5694	90"	101.5"	38"	1290 lbs	211	

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**\*Note: A.B.C. Groff is an equipment dealer. We are NOT the Manufacturer.**

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*Contact A.B.C. Groff for more product information.*  
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 New Holland, PA 17557 Toll free: 1-800-346-8319  
 Email: [sales@abcgroff.com](mailto:sales@abcgroff.com) Fax: (717) 355-2272

**Industrial Main Page**

**ABC Groff Main Page**



**FFC Attachments**



**Preparator**

**Landscaping Is Faster And Easier With The Preparator**



More than just a finishing tool, the Preparator makes clean-up and soil preparation a cinch. Even in the roughest conditions, this landscaping tool requires little or no ground preparation. You'll be able to attach the preparator to a wide variety of popular skid steers, agricultural and compact utility loaders.

LNF 3574 \*

Model	3554	3566	3576
<b>Bucket</b>			
Capacity	8.86 cu.ft	10.32 cu.ft	12.5 cu.ft
Overall Width	63"	74.75"	84.75"
Working Width	54"	66"	76"
Overall Height	25.53"	25.53"	25.53"
Overall Length	60.13"	60.13"	60.13"
<b>Drum</b>			
RPM @ 16 gpm	0-100	0-100	0-100
Overall Diameter	21.5"	21.5"	21.5"
Tooth Thickness	0.19"	0.19"	0.19"
Tooth Length	2.19"	2.19"	2.19"
Number of Teeth	250	300	340
Weight	976 lbs	1270 lbs	1465 lbs

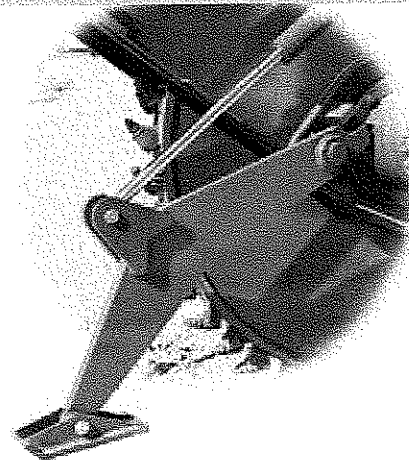
**Auto Rake**



- The Auto Rake is an ideal tool to groom and finish soil for seeding and sodding.
- Picks up rocks from 3/4" to 6" diameter and collects them in the hopper.
- Breaks up clods and levels soils.
- Easy to dump collected debris, simply raise the loader arms and open shroud hydraulically and dump.

Model	Weight	Hopper Capacity	Working Width	GPM Range	PSI Range

# ALITEC™ ROCK WHEEL



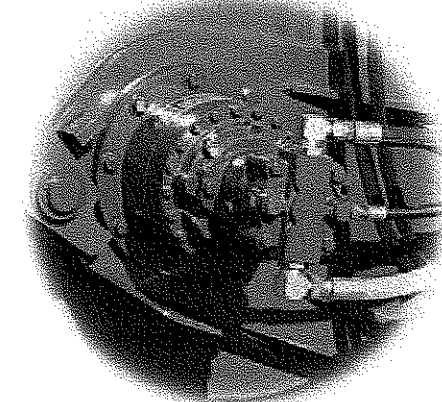
## Gauge skid

The gauge skid sets cutting depths and minimizes extra passes for more precise control.



## ADVANTAGES:

- Alitec rock wheel replaces higher priced saw cutting machines. Quick attach mounting allows easy conversion to other attachments and increases skid steer versatility.
- Patented electro-hydraulic side shift allows operator to maneuver close to buildings and other obstacles.
- Two widths and three cutting depths improve productivity and allow one-pass cutting. Patented electro-hydraulic depth control eliminates laborious adjustments.
- Lower initial cost than self-propelled units enhances return on investment and reserves capital funds for other attachments.



## Planetary wheel drive

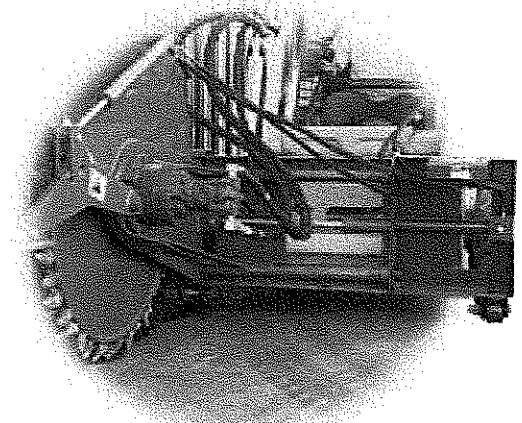
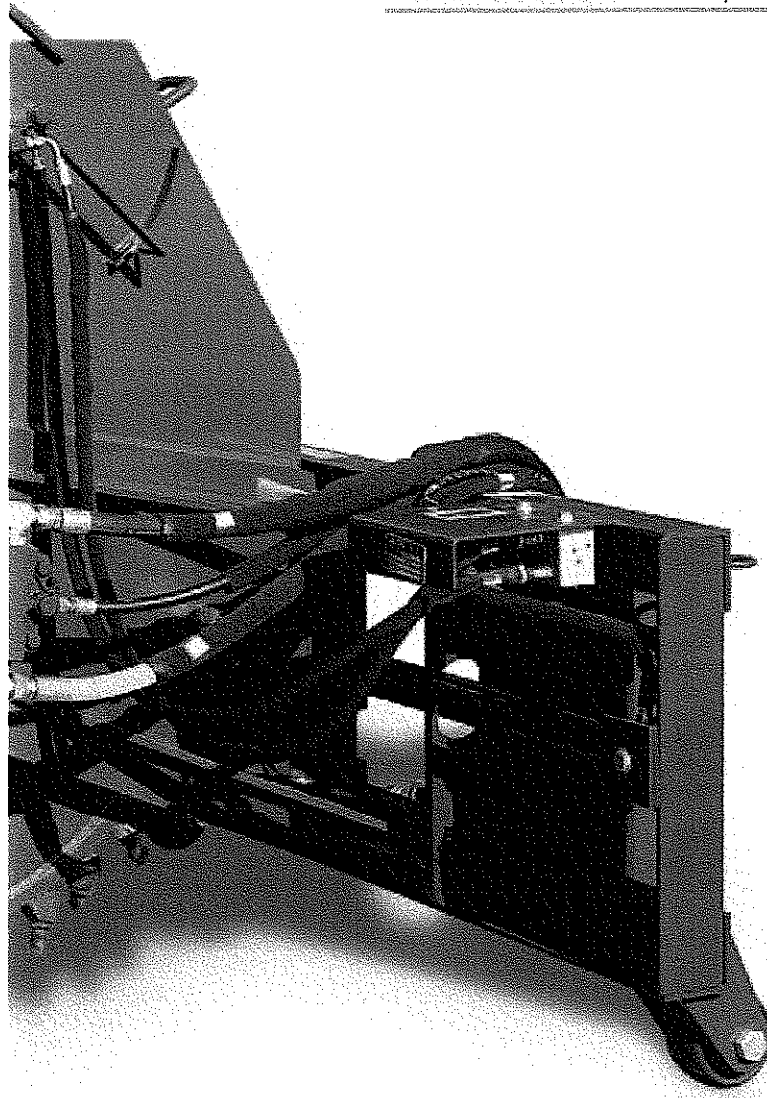
Planetary reduction generates higher torque than competitors' drive line packages – up to 3,300 lbs-ft of torque.

## Specifications For skid steer loaders 1300 lbs. and larger

	RW12 ✓	RW18 ✓	RW24 ✓
Depth of cut	0-12" (0-300 mm)	0-18" (0-450 mm)	0-24" (0-600 mm)
Width of cut	2.5/4.5" (63/115 mm)	2.5/4.5" (63/115 mm)	2.5/4.5" (63/115 mm)
Number of teeth	28/33	42/44	56/66
Side shift	22" (560 mm)	22" (560 mm)	22" (560 mm)
Minimum flow required	22 gpm (2500 psi) 83 lpm (172 bar)	26 gpm (2500 psi) 98 lpm (172 bar)	30 gpm (2500 psi) 113 lpm (172 bar)
Weight	1,600 lbs. (728 kg)	1,800 lbs. (820 kg)	2,100 lbs. (950 kg)
Wheel speed	60 rpm	60 rpm	60 rpm
Cutting speed	up to 15 fpm 4.6 mpm	up to 15 fpm 4.6 mpm	up to 15 fpm 4.6 mpm

### Patented electro-hydraulic side shift

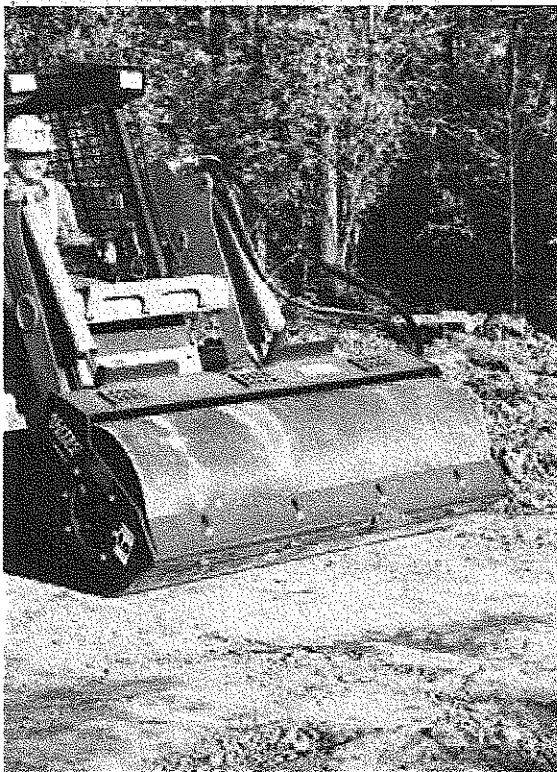
Side shift allows rock wheel to move from the center to the operator's right for placement of the cutting wheel at the desired position.



#### PERFORMANCE GUIDE

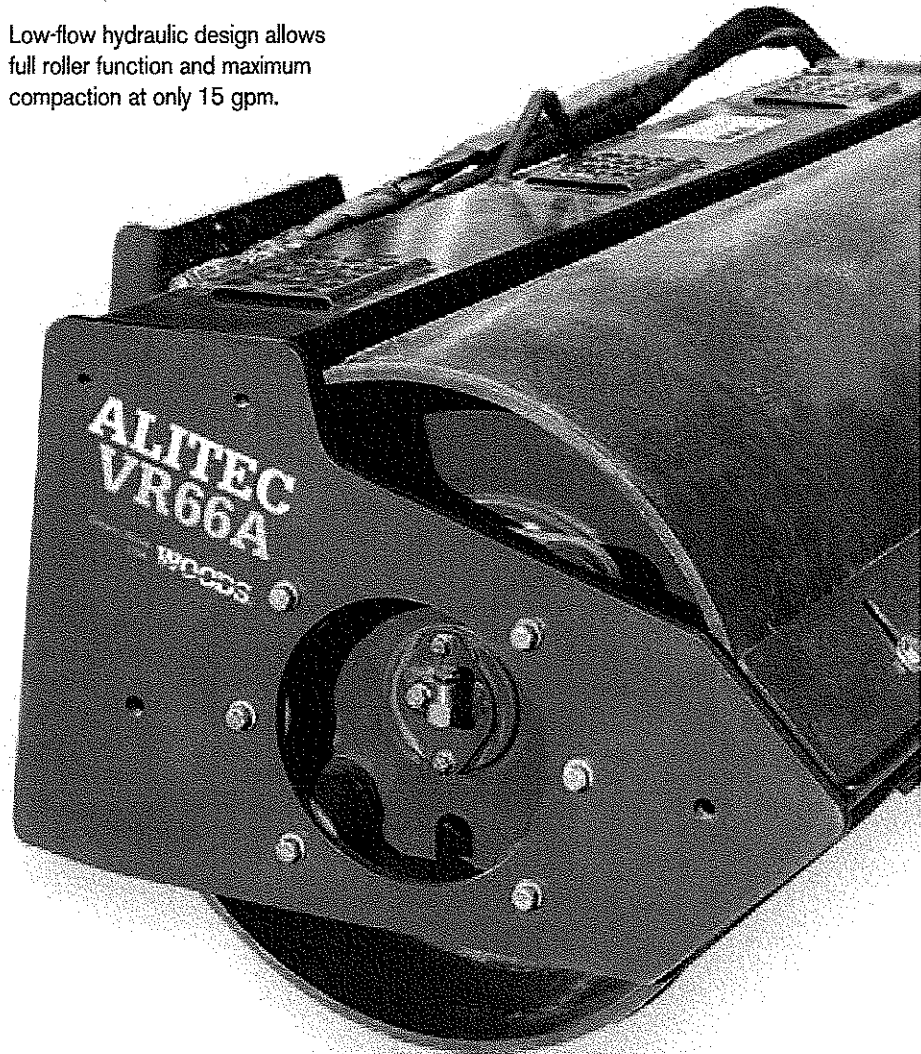
- Utility cuts for gas, sewer, water, electrical, and cable installation and repair
- Asphalt patch cuts
- Roadway expansion joint cuts

# ALITEC™ VIBRATORY ROLLER



Maximum  
compaction

Low-flow hydraulic design allows full roller function and maximum compaction at only 15 gpm.



## ADVANTAGES:

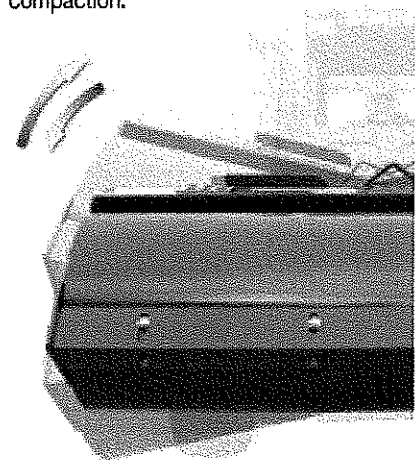
- Two drum profiles to choose from for different soil applications. Smooth drum for light or sandy soils and a padded sheepfoot for heavy clay type soils.
- Easily maneuvered in tight spaces where large units will not fit; ideal for smaller compaction jobs, near foundations and foliage.
- Half the cost of self-propelled, walk-behind or ride-on models; self-lubricating bearings reduce maintenance.
- An excellent machine for a wide variety of job environments, including utility work, general contracting, municipal construction, and residential applications.

Maintenance-free  
lubricated bearings

Drum and shaft bearings lubricated in oil bath; isolators on roller eliminate vibration in cab.

Drum oscillation

15-degree oscillation in either direction ensures you follow contours of the ground for even compaction.

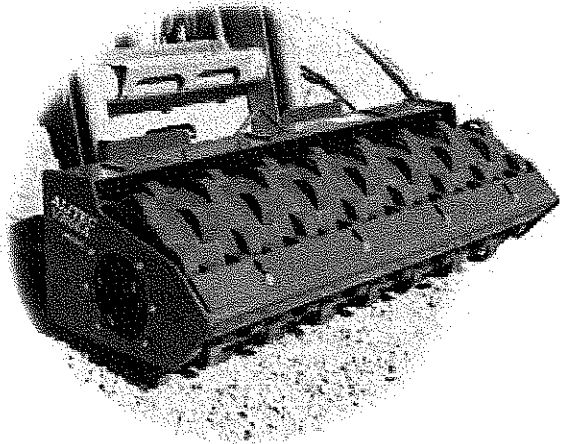
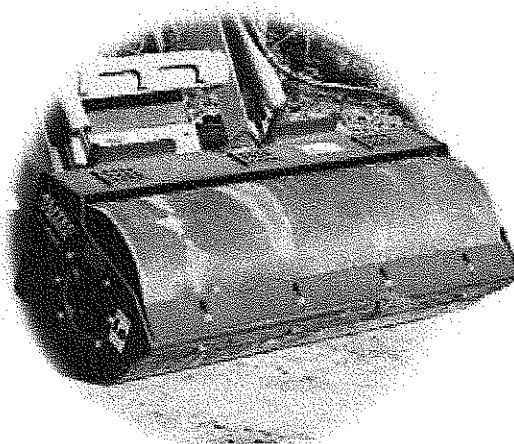
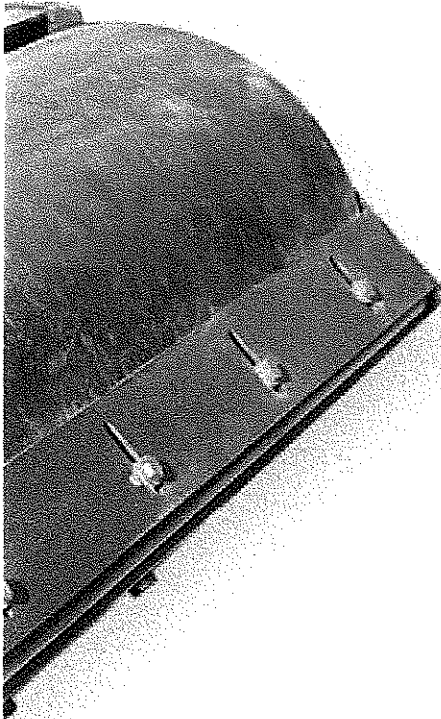


## Choice of size and styles

Choose size to fit your job, 48-, 66-, 73- or 84-inch drums; all models available in smooth or sheepfoot versions.

## Padded sheepfoot drum

Individual pads penetrate heavy soils for effective compaction of cohesive and clay materials.



## Specifications For skid steer loaders 1,300 lbs. and larger

	VR48A	VR66A	VR73A	VR84A
Drum width	48" (1,220 mm)	66" (1,866 mm)	73" (1,854 mm)	84" (2,133)
Overall width	55.5" (1,410 mm)	73" (1,866 mm)	80.5" (2,045 mm)	91" (2,311)
Drum oscillation	±15°	±15°	±15°	±15°
Overall height	27" (685 mm)			
Overall length	33" (838 mm)			
Drum diameter	24" (610 mm)			
Total output	7,140 lbs. (3,245 kg)	8,740 lbs. (3,972 kg)	10,240 lbs. (4,654 kg)	11,750 lbs. (5,340 kg)
Frequency	2,000 vpm @ 21 gpm			
Hydraulic requirement	11-23 gpm (42-87 lpm)			
Hydraulic requirement	1,500 psi (103 bar)			
Weight (smooth)	1,450 lbs. (659 kg)	1,633 lbs. (741 kg)	1,762 lbs. (799 kg)	1,900 lbs. (862 kg)
Weight (sheepsfoot)	1,600 lbs. (727 kg)	1,850 lbs. (840 kg)	2,100 lbs. (955 kg)	2,350 lbs. (1,066 kg)

Note: Proper soil compaction is achieved by a high amplitude and low to mid frequency of vibration. When excess frequency (vpm) is employed only surface and shallow compaction is achieved with most stable materials.

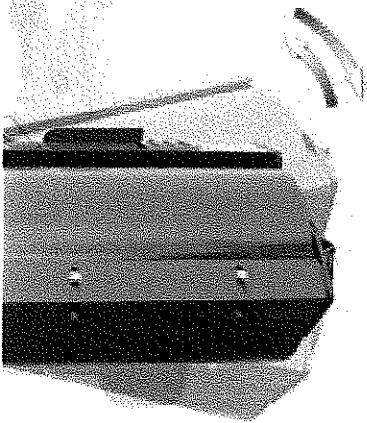
### APPLICATIONS:

#### SMOOTH DRUM ROLLER:

Compaction of granular material such as sand, gravel, and stone prior to asphalt or concrete overlay, around foundations, and in new construction

#### SHEEPSFOOT DRUM ROLLER:

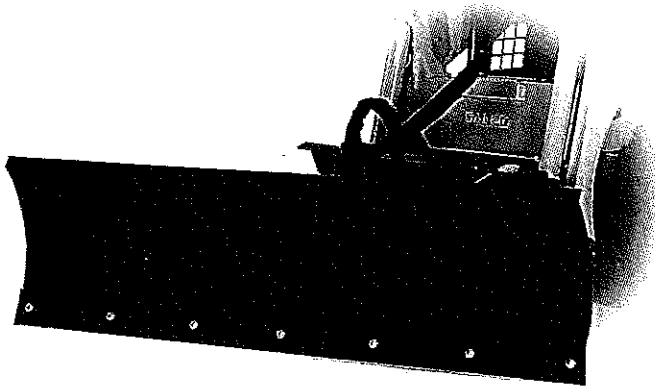
Compacts heavy clay type soils





# SNOW BLADE FFC Attachments

**Snow Blades** are designed for moving snow or light dirt quickly.



- Hydraulic angle 30° max. in either direction.
- Reversible and replaceable wear edge.
- Adjustable skid shoes.
- Spring loaded trip mechanism.
- 7 gauge steel blade.
- Heavy structural steel frame.
- Manufactured by FFC

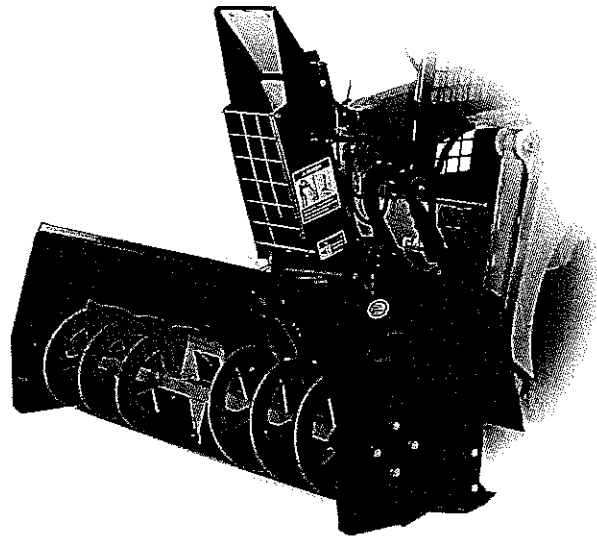
## Specifications

Attachment	SB72	SB84	SB96
<b>Komatsu Model</b>			
SK714	◆		
SK815, SK818, SK820	◆	◆	
SK1020, SK1026			◆
<b>Dimensions</b>			
Length	72"	84"	96"
Height with Edge	23.25"	23.25"	23.25"
Angled Width	62.1"	72.5"	82.9"
Weight	475 lb	500 lb	525 lb

\* For Low Flow Circuit

# SNOW BLOWER FFC Attachments

This **Snow Blower**, with a two-stage hydraulic blower, throws snow up to 35'. Spout will rotate 280 degrees.



- Electronically-controlled, poly-lined chute and deflector.
- High volume shroud opening.
- Excellent visibility.
- Wear-resistant Pacal steel tapered wear edge, 3/8"x3".
- 12 gauge reinforced wrapper.
- Adjustable skid shoes.
- Manufactured by FFC

## Specifications

Attachment	60	72	72H	84	84H
<b>Komatsu Model</b>					
SK714	◆				
SK815, SK818, SK820	◆	◆			
SK815, SK818, SK820 - HIGH FLOW	◆*	◆*	◆		
SK1020, SK1026				◆*	
SK1020, SK1026 - HIGH FLOW					◆
<b>Dimensions</b>					
Cutting Width	60"	71.5"	72"	84"	84"
Shroud Opening	24.5"	24.5"	36"	25"	36"
Overall Depth	35.7"	35.5"	43"	38"	43"
Overall Height	56.75"	56.75"	74"	56.75"	74"
Weight	650 lb	685 lb	1150 lb	720 lb	1230 lb

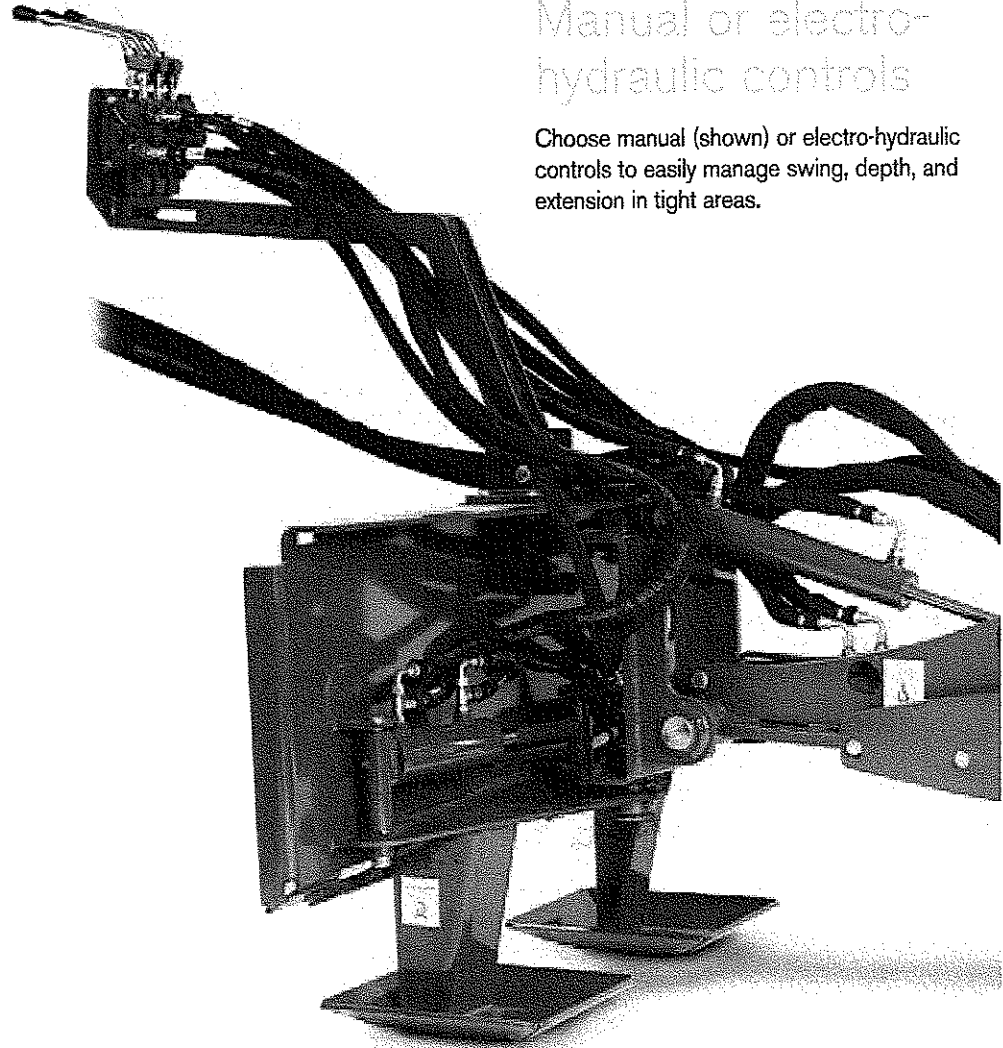
\* For Low Flow Circuit

# ALITEC™ STUMP GRINDER



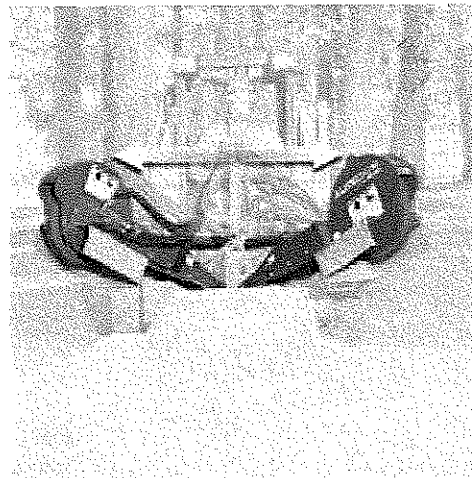
## ADVANTAGES:

- Higher productivity via 16-inch cutting depth.
- More cost effective than tow-behind models, no engine, belts, or tires to maintain.
- More maneuverability than tow-behind models; goes into areas not accessible by truck.
- Adds versatility to skid steer loaders.
- Options include electro-hydraulic controls and RAYCO® single piece cutting teeth.



Manual or electro-hydraulic controls

Choose manual (shown) or electro-hydraulic controls to easily manage swing, depth, and extension in tight areas.

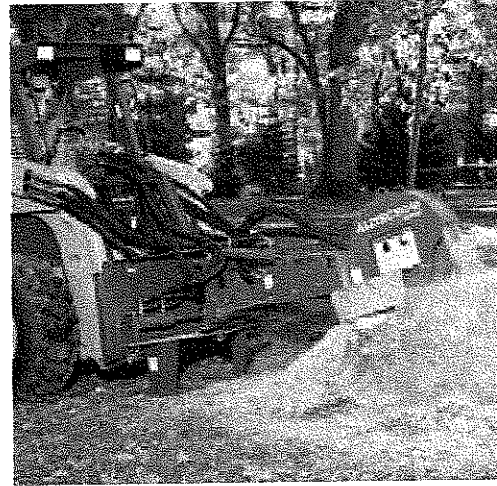


Powerful planetary drive

Grinding arm swings a full 90 degrees and 60 inches to remove large diameter tree stumps; telescopes 14 inches to minimize repositioning of the skid steer.

## Wide cutting head

3.25-inch wide cutting head with carbide teeth levels stumps in minutes.



### PERFORMANCE GUIDE

Ideal for stump removal in confined areas, close to buildings, and other areas not easily accessible to tow-behind or tractor mounted stump grinders.

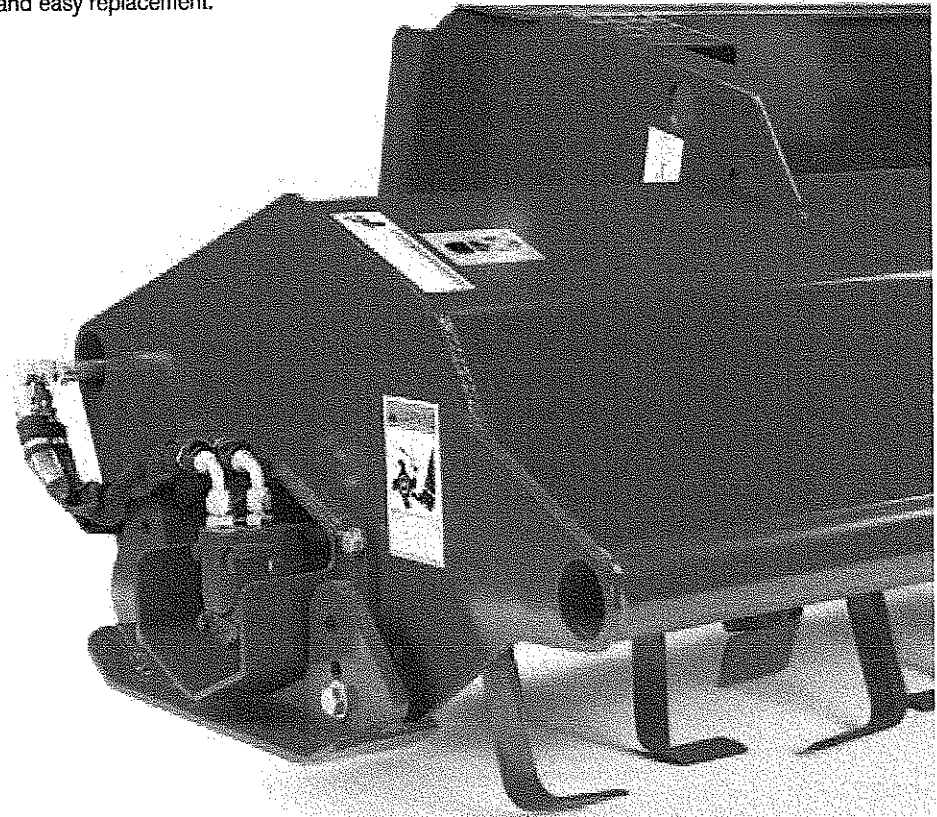
## Specifications

	SG20A	SG40A	SG60A
Overall length	64.1" (1.63 m)	64.1" (1.63 m)	64.1" (1.63 m)
Telescopic extension	14" (356 mm)	14" (356 mm)	14" (356 mm)
Horsepower delivered	to 20 hp (14.9 kW)	to 40 hp (29.8 kW)	to 60 hp (44.7kW)
Cutting height above ground	28" (721 mm)	28" (721 mm)	28" (721 mm)
Cutting depth below ground	16" (508 mm)	16" (508 mm)	16" (508 mm)
Cutting wheel width	3.25" (83 mm)	3.25" (83 mm)	3.25" (83 mm)
Cutting width	62" (1.52 m)	62" (1.52 m)	62" (1.52 m)
Swing range	90°	90°	90°
Type of teeth	0.5" (12.7 mm) slanted, carbide tip		
Number of teeth	32	32	32
Wheel diameter	21" (453 mm)	21" (457 mm)	21" (453 mm)
Wheel speed (approx.)	700 rpm	900 rpm	900 rpm
Weight	925 lbs. (420 kg)	935 lbs. (424 kg)	1,000 lbs. (454 kg)
Driveline	high-torque gerotor motor	high-torque gerotor motor	planetary/piston
Hydraulic requirement	15 – 25 gpm (50 – 95 lpm)	20 – 30 gpm (75 – 113 lpm)	30 – 46 gpm (113 – 174 lpm)
Hydraulic requirement	2,000 – 3,000 psi (138 – 207 bar)	2,000 – 3,500 psi (138 – 242 bar)	2,000 – 5,000 psi (138 – 345 bar)
	low-flow	high-flow	

# ALITEC™ TILLER

## Easy maintenance design

Direct drive, dual motor design eliminates belts, chains and sprockets. No adjustment is required. Hardened, replaceable tines are engineered for extended life and easy replacement.



## ADVANTAGES:

- Wide models increase productivity per pass and make slower, narrower walk-behind models obsolete.
- Recessed drive motors allow easy maneuvering in tight spaces where larger units will not fit.
- In-line gerotor motors require no maintenance and no adjustment; no belts or chains to break, no messy oil baths to leak.
- Provides the versatility to use in commercial, residential, or municipal settings. Offset mounting on 52-inch model covers right side loader tracks when operating in reverse during finish operations.



## Choice of sizes and styles

Choose the size to fit your job; wider tilling abilities of the 73-inch and 84-inch models provide higher productivity. The 52-inch model is perfect for low-flow and older skid steer models.



Power on each end of drive shaft

Dual drive motors power both ends of tiller to eliminate torque twist experienced with competition's models.

Maximum effectiveness

Bi-directional tine rotation allows tilling when skid steer moves forward or in reverse.

**PERFORMANCE GUIDE**

Ideal for tight spaces where larger units won't fit. Offset to right allows tilling close to walls, sidewalks and driveways.

**Specifications**

	TL52	TL73	TL84
Overall width	60" (1.52 m)	86" (2.18 m)	97" (2.4 m)
Cutting width	52" (1.32 m)	73" (1.85 m)	84" (2.13 m)
Working depth	6" (152 mm)	6" (152 mm)	6" (152 mm)
Overall height	31" (787 mm)	31" (787 mm)	31" (787 mm)
Number of tines	24	36	40
Tine rotation	bi-directional	bi-directional	bi-directional
Weight	510 lbs. (231 kg)	750 lbs. (340 kg)	825 lbs. (374 kg)
Driveline	2 in-line gerotor motor	2 in-line gerotor motor	2 in-line gerotor motor
Tine speed	93 – 193 rpm	139 – 193 rpm	186 – 324 rpm
Hydraulic requirement (min.)	12 gpm/1,800 psi (45 lpm/124 bar)	18 gpm/2,000 psi (68 lpm/138 bar)	24 gpm/3,000 psi (95 lpm/242 bar)



**FFC Attachments**



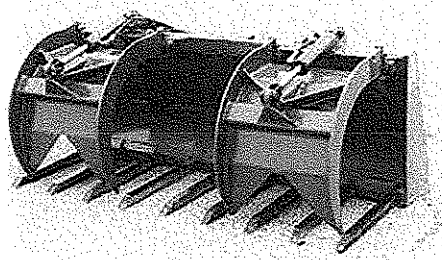
**Tree Spades**



- Completely transplant trees and shrubbery
- Dig holes for incoming trees
- Transplant pre-packaged trees
- Place trees in new location
- Easier to position plants
- 3/8" plate with sharp, tapered edge
- Place large decorative rocks and stones

Model	Ball Size	Weight
1836	36"	258 lbs.
1840	40"	312 lbs.
1842	42"	360 lbs.
1844	44"	378 lbs.
1848	48"	425 lbs.

**Forked Scrap Grapples**

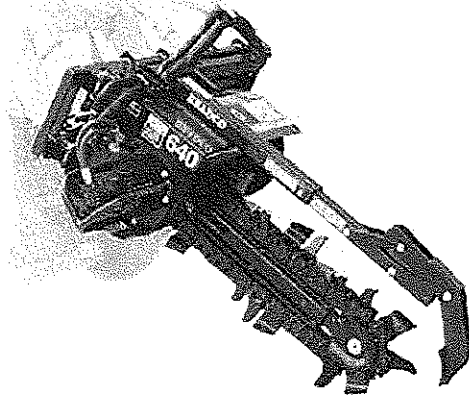


- Great for brush and refuse removal
- Load loose material while leaving dirt behind
- Grapples work independently to handle uneven loads
- Heat treated tines

Model	Width OD	Weight	Height Open	Height Closed	Overall Depth	Usable Tines	Tine Diameter	Lift Capacity
10067	66"	1146 lbs	28.1"	17.2"	42.4"	29.6"	2.25"	5000 lbs
10167	66"	1179 lbs	28.1"	17.2"	42.4"	29.6"	2.25"	5000 lbs
10073	72"	1225 lbs	28.1"	17.2"	42.4"	29.6"	2.25"	5000 lbs
10173	72"	1258 lbs	28.1"	17.2"	42.4"	29.6"	2.25"	5000 lbs
10079	78"	1291 lbs	28.1"	17.2"	42.4"	29.6"	2.25"	5000 lbs
10179	78"	1324 lbs	28.1"	17.2"	42.4"	29.6"	2.25"	5000 lbs
10085	84"	1362 lbs	28.1"	17.2"	42.4"	29.6"	2.25"	5000 lbs
10185	84"	1395 lbs	28.1"	17.2"	42.4"	29.6"	2.25"	5000 lbs



## 640 Trencher



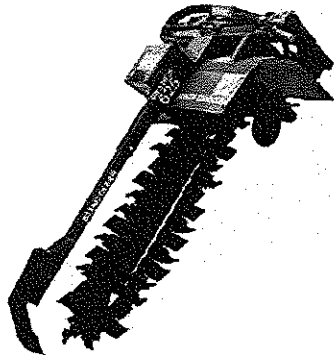
**Planetary Drive Trencher  
for Standard Flow  
Skid Steer Loaders**

[Click Here for specifications](#)

### Features

- 30", 36", 42" and 48" digging depth available to fit most applications. 60" high flow only.
- 5 motor options to match the flow of many skid steers
- Mechanical side shift with hydraulic option
- Fixed length booms available featuring spring-loaded, self adjusting idler with full rock guards
- Heavy duty boom & crumber
- Allows tight fit with single side spoil augering
- Replaces dedicated machines at a fraction of the cost
- Several tooth options available: cup, shark, rock & frost
- 50,000 lb 2" anti back flex chain for tooth pattern versatility to support many soil types & conditions
- Two position manual side shift mounting with optional infinite position using hydraulic side shift cylinder assembly
- 2-year limited warranty

## 625 Trencher



**Chain Reduction  
Drive Trencher  
for Standard Flow  
Skid Steer Loaders**

[Click Here for specifications](#)



## Features & Benefits

- Attaches to skid-steer loaders and is equipped with two position side shift capabilities with an infinite-position hydraulic side shift option.
- Double standard 2" anti-back-flex chain for tooth pattern versatility.
- High torque hydraulic motor for maximum digging power and heavy duty chain reduction drive system to amplify the torque to the cutting chain.
- Maintenance free sealed idler bearing.
- Replaceable headshaft driven auger for spoil removal.
- Boom lengths available from 30" to 48" with 6" to 12" chain widths to match your job's specifications.
- Heavy duty wear strips on boom for longer life.
- Pivoting crumber shoe to assist with soil removal.
- Bradco trenchers are covered by a new 2 year limited warranty.

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**\*Note: A.B.C. Groff is an equipment dealer. We are NOT the Manufacturer.**

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*Contact A.B.C. Groff for more product information.*

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**Industrial Main Page**

**ABC Groff Main Page**

## WARRANTY Construction Equipment

Please Enter Information Below and Save for Future Reference.

Date of Purchase: \_\_\_\_\_

From (Dealer): \_\_\_\_\_

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Woods Equipment Company ("WOODS") warrants this product to be free from defects in material and workmanship. Except as otherwise set forth below, the duration of this Warranty shall be twelve (12) months commencing on the in-service date of the product or fifteen months after shipment from the factory or 1,500 hours of service, whichever occurs first. Proof of the in-service date must be provided for claims involving product that originally shipped more than twelve (12) months prior to the date of the claim.

Under no circumstances will this Warranty apply in the event that the product, in the good faith opinion of WOODS, has been subjected to improper operation, improper maintenance, misuse, inappropriate application or an accident. This Warranty does not apply in the event that the product has been materially modified or repaired by someone other than WOODS, a WOODS authorized dealer or distributor, and/or a WOODS authorized service center. This Warranty does not cover normal wear and tear, or normal maintenance items, as more specifically described below. This Warranty also does not cover repairs made with parts other than those obtainable through WOODS.

This Warranty is extended solely to the original purchaser of new and unused product, including, but not limited to, purchases made from authorized Woods dealers. Should such original purchaser sell or otherwise transfer this product to a third party, this Warranty does not transfer to the third party purchaser in any way. There are no third party beneficiaries of this Warranty.

WOODS' obligation under this Warranty is limited to, at WOODS' option, the repair or replacement, free of charge, of the product if WOODS, in its sole discretion, deems it to be defective or in noncompliance with this Warranty. **The product must be returned to WOODS with proof of purchase within thirty (30) days after such defect or noncompliance is discovered or should have been discovered, routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid.** WOODS shall complete such repair or replacement within a reasonable time after WOODS receives the product. **THERE ARE NO OTHER REMEDIES UNDER THIS WARRANTY. THE REMEDY OF REPAIR OR REPLACEMENT IS THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY.**

**THERE ARE NO WARRANTIES, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS WARRANTY. WOODS MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND WOODS SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.**

**WOODS shall not be liable for any incidental or consequential losses, damages or expenses, arising directly or indirectly from the product, whether such claim is based upon breach of contract, breach of warranty, negligence, strict liability in tort or any other legal theory.** Without limiting the generality of the foregoing, WOODS specifically disclaims any damages relating to (i) lost profits, business, revenue or goodwill; (ii) any expense or loss incurred for labor, supplies, substitute machinery or rental; or (iii) any other type of damage to property or economic loss.

This Warranty is subject to any existing conditions of supply, which may directly affect WOODS' ability to obtain materials or manufacturer replacement parts.

No agent, representative, dealer, distributor, serviceperson, or employee of any company, including without limitation, WOODS, its authorized dealers, distributors, and service centers, is authorized to alter, modify or enlarge this Warranty.

Contact an authorized WOODS dealer or service center for warranty service. Common issues that would NOT be covered by this Warranty Policy include, but are not limited to, the examples listed below this Policy.

### **Woods Equipment Company**

2606 South Illinois Route 2  
Post Office Box 1000  
Oregon, Illinois 61061

800-848-3447 CE tel  
815-732-2141 tel  
815-732-7580 fax  
www.WoodsEquipment.com

# WOODS®

**ALITEC™**

**BMP®**

**CENTRAL FABRICATORS®**

**GANNON®**

**GILL®**

**WAIN-ROY®**

**WOODS®**

### **Examples of Common, Non-Covered Claims**

1. The owner and operator are responsible for maintaining weld integrity on attachments subject to weld erosion from ongoing contact with soils, rocks, and other materials. Different materials have differing abrasive characteristics that will erode the structural welds of ground-engaging attachments at differing rates. Structural failures may occur as a result of excessive weld erosion. The owner and operator are responsible for maintaining necessary weld sizes and re-welding eroded welds with industry-approved procedures. Woods will not accept warranty claims for weld erosion or structural failures of the attachment as a result of weld erosion.
2. Attachments are used extensively in ground-engaging operations and, as a result, the teeth, tooth holders, cutting edges, bucket edges, ripper shanks, and other portions of the attachment are subject to abrasion and resulting wear. Woods will not accept warranty claims for wear of components or wear of areas of the attachment subject to ground-engaging wear.
3. The owner and operator are responsible for examining the attachment for any weld or structural cracking. Any such cracking caused by a defect in materials or workmanship by Woods will be covered under the Woods Warranty Policy. If the owner or operator continues to operate the attachment after weld cracking or structural cracking is visible or should have reasonably been visible, and as a result of continued operation, additional damage to the attachment results, Woods will not accept responsibility for the additional damage caused to other welds or to the attachment structure.
4. Materially modifying Woods attachments may result in premature failures of the attachment. Woods will not accept warranty claims on attachments that have been materially modified.
5. Misapplications of attachments may result in premature wear, breakage, or structural failures of the attachment. Woods will not accept warranty claims on attachments that have been misapplied. For instance, using a general purpose excavator bucket in an application requiring a heavy or severe duty bucket or using the excavator bucket as a "jack hammer" to break concrete are considered misapplications.



**JOHN DEERE**

## "STANDARD COVERAGE" FOR NEW CONSTRUCTION, UTILITY, AND FORESTRY PRODUCTS

This Purchase Order applies to machines with:

- 6 Months STANDARD Warranty Full Machine Coverage (Products 100 HP and Above).
- 12 Months STANDARD Warranty Full Machine Coverage (Products under 100 HP).
- 12 Months or 2,000 Hours (whichever occurs first) STANDARD Warranty Full Machine Coverage (Forwarders, DHSP Forestry Excavators, Harvesters, Log Loaders, Skidders, Tracked and Wheeled Feller Bunchers, first rented or sold on or after 15 September 2002).
- 24 months or 2000 hours (whichever occurs first) STANDARD warranty Full Machine Coverage for Scraper Tractors

The "Standard Coverage" is part of the Standard Warranty protection package available from John Deere Construction & Forestry Company ("John Deere") to purchasers of new John Deere products:

- STANDARD Coverage is John Deere's standard new equipment warranty, which provides the coverage described on this page at no additional charge to the purchaser.
- EXTENDED Coverage is a separate repair contract made available by John Deere for purchasers who wish to complement their Standard warranty coverage with additional, purchased coverage. Complete Extended Coverage details, including coverage options and limitations, are set forth in the Application for Extended Warranty Repair Coverage, which is available from authorized John Deere dealers.
- STANDARD StructurALL Warranty coverage applies to certain structural components as listed below and as described on this page.

### A. STANDARD COVERAGE - GENERAL PROVISIONS

Under the below-described "Standard Coverage", John Deere will repair or replace, at its option, any parts (except those specified below) of a new John Deere product that, as delivered to the original retail purchaser, are defective in material or workmanship. Performance of this warranty will be free of charge for parts and labor, except as otherwise stated below. Standard Coverage applies only to purchases from John Deere and authorized John Deere dealers and, except as otherwise provided in the next sentence, is extended only to the original retail purchaser of the product. Remaining Standard Coverage applicable to a used John Deere product is transferred to a subsequent purchaser of the product only if the subsequent purchaser requests warranty transfer from an authorized John Deere dealer before the product's Standard Coverage expires. For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use. Warranty statements required by law covering engine emissions-related parts and components are found on a separate written warranty certificate provided to the customer at the time of purchase.

### B. WHAT IS COVERED BY STANDARD COVERAGE

Standard Warranty Full Machine: All parts of a new John Deere product (except those noted in Sections D and E below) are covered by Standard Warranty for the applicable Full machine coverage period set out above. Coverage begins on the date of delivery of the product to the original retail purchaser.

### C. EXCLUSIVE REMEDY

The repair or replacement of covered parts that are defective, as provided in Section A above, shall be the purchaser's exclusive remedy for any defect in the product. However, if after repeated attempts such repair or replacement fails to correct the performance problem caused by the defect, the purchaser's sole remedy shall be a refund of the amount paid for the product (in exchange for a return of the product), excluding any transportation charges, license fees, taxes and insurance premiums, and less a reasonable allowance for use of the product prior to its return. In no event will the dealer, John Deere or any company affiliated with John Deere be liable for any incidental or consequential damages, including but not limited to loss of profits, rental of substitute equipment or other commercial loss. Correction of defects in the manner provided above shall constitute fulfillment of all liabilities of John Deere to the purchaser or any other person, whether based upon contract, tort, strict liability, or otherwise. This limitation does not apply to claims for personal injury.

### D. ITEMS COVERED SEPARATELY

1. Standard Coverage does not apply to batteries, radios, tires, or to Cummins Engines installed in John Deere products, which are covered by separate written warranties.
2. StructurALL Warranty coverage for new John Deere Products (compact excavators & loaders and skid-steer loaders are not eligible for StructurALL Warranty Coverage) begins at the end of the Equipment's "Standard Warranty" coverage and any applicable "Extended Repair Coverage" purchased for the Equipment and ends (unless terminated earlier under Section F, below) three (3) years, or 10,000 hours (whichever occurs first) after the Equipment's original retail purchase or first rental prior to the first retail purchase. This warranty applies only to the following structural components listed below as installed on the equipment at the time of original manufacture. If a particular component is not listed below it is not covered by John Deere StructurALL Warranty.

Arm, Articulation Joint (including pins and bushings), Bin Frame, Boom, C-Frame\*, X-Frame, Circle Frame, Draft Frame, Engine Frame, Equipment Frame, Grapple Arch, Grapple Boom, Loader Arm, Loader Frame, Mainframe, Moldboard Lift Arms, Turntable, Swing Frame, Z-bar, Specialty booms and arms marketed as "heavy-duty" by Deere. This StructurALL Warranty does not apply to equipment used primarily in extreme duty or severe duty applications such as: (demolition, chemical plant, steel mill, and land fill applications, and other applications that are similarly destructive or involve similarly heavy duty) except specialty booms and arms as stated in Section D.2. above. \*StructurALL warranty does not apply to C-Frames on H-Series & J-Series Crawlers equipped with root rakes or used in forestry applications unless equipped with an "extreme duty" reinforcement package.

### E. ITEMS NOT COVERED

John Deere is not responsible for the following:

1. Premiums charged for overtime labor requested by the purchaser.
2. Transporting the product to and from the place where service is performed, or service calls made by the repairing dealer (except as otherwise provided in Section H below).
3. Used products (except as otherwise provided in Section A above).
4. Depreciation or damage caused by normal wear, damage caused by the application in which the machine is working, lack of reasonable and proper maintenance, failure to follow operating instructions, misuse, lack of proper protection during storage, vandalism, the elements, or collision or other accident.
5. Normal maintenance and replacement of maintenance and wear items, such as filters, oil, hydraulic fluid, lubricants, coolants and conditioners, undercarriage, blades and cutting edge parts, lubricated joints included pins and bushings (except in articulation joints), belts, dry brakes and dry clutch linings, hoses, rubber tracks, skidder grapple shocks, and bulbs. Note: Reimbursement for refills of oils/coolants lost due to warrantable failure are covered when a system failure occurs outside the boundaries of a normal oil change (within 25% of specified change interval).
6. Any defect in a non-covered component, or damage to or failure of a covered component caused by a defect in a non-covered component.
7. For warranty repairs made in the field, any charges (such as dealer travel time, mileage or extra labor) that would not have been incurred had the product been repaired at the dealer's place of business.

### F. UNAPPROVED SERVICE OR MODIFICATION

John Deere is relieved of its obligations under Standard Coverage if:

1. Service (other than normal maintenance and replacement of service items) is performed by someone other than an authorized John Deere dealer; or
2. The product is modified or altered in ways not approved by John Deere.
3. Any unapproved or improperly sized attachment is installed on the product.

### G. PARTS REPLACED UNDER STANDARD COVERAGE

Only new or remanufactured parts or components, furnished or approved by John Deere, will be used if John Deere elects to repair the product. If any such part or component is defective in material or workmanship when installed in the product, John Deere will repair or replace, as it elects, such defective part or component, provided the defect is reported to an authorized John Deere dealer within 90 days (12 months or 1500 hours, whichever occurs first, for remanufactured components) after installation or before expiration of the applicable Standard coverage, whichever is later.

### H. OBTAINING STANDARD COVERAGE SERVICE

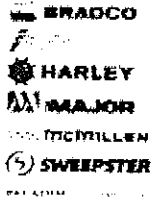
To obtain Standard Coverage service, the purchaser must request Standard Coverage service from a John Deere dealer authorized to sell the product to be serviced. When making such a request, the purchaser must present evidence of the product's delivery date, make the product available at the dealer's place of business, and inform the dealer in what way the purchaser believes the product to be defective. Standard Coverage repairs can be made in the field if the purchaser and servicing dealer so desire. However, John Deere will not be responsible for any charges (such as dealer travel time, mileage or extra labor) that would not have been incurred had the product been repaired at the dealer's place of business.

### I. NO IMPLIED WARRANTY OR OTHER REPRESENTATION

Where permitted by law, neither John Deere nor any company affiliated with it makes any warranties, representations or promises, express or implied, as to the quality, performance, or freedom from defect of its products, other than those set forth on this page, and NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS IS MADE.

### J. NO DEALER WARRANTY

The selling dealer makes no warranty of his own on any item covered by this warranty, and makes no warranty on other items unless he delivers to the purchaser a separate written warranty certificate specifically warranting the item. The dealer has no authority to make any representation or promise on behalf of John Deere, or to modify the terms or limitations of this warranty in any way.



State of West Virginia

May 4<sup>th</sup> 2007

Subject: Warranty Bradco, McMillan, Sweepster, FFC

All the products purchased by the State of West Virginia from the bid opening May 9<sup>th</sup>, 2007 will have two year warranty coverage. All terms, conditions and other provisions of the standard Paladin Light Construction warranty remain in effect.

*Jerry Jelen*  
*Vice President - Dealer Sales*  
*Paladin Light Construction*  
*612-616-5981*  
[jjelen@paladinbrands.com](mailto:jjelen@paladinbrands.com)

CC *Jeremy Turncamp*  
*Randy Thorson*  
*Dave Aldrich*  
*Kathy Grau*  
*Wendell Moss*



**JOHN DEERE**

**"STANDARD COVERAGE" FOR NEW CONSTRUCTION, UTILITY, AND FORESTRY PRODUCTS**

This Purchase Order applies to machines with:

- 6 Months STANDARD Warranty Full Machine Coverage (Products 100 HP and Above).
- 12 Months STANDARD Warranty Full Machine Coverage (Products under 100 HP).
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- 24 months or 2000 hours (which ever occurs first) STANDARD warranty Full Machine Coverage for Scraper Tractors

The "Standard Coverage" is part of the Standard Warranty protection package available from John Deere Construction & Forestry Company ("John Deere") to purchasers of new John Deere products:

- STANDARD Coverage is John Deere's standard new equipment warranty, which provides the coverage described on this page at no additional charge to the purchaser.
- EXTENDED Coverage is a separate repair contract made available by John Deere for purchasers who wish to complement their Standard warranty coverage with additional, purchased coverage. Complete Extended Coverage details, including coverage options and limitations, are set forth in the Application for Extended Warranty Repair Coverage, which is available from authorized John Deere dealers.
- STANDARD StructurALL Warranty coverage applies to certain structural components as listed below and as described on this page.

**A. STANDARD COVERAGE - GENERAL PROVISIONS**

Under the below-described "Standard Coverage", John Deere will repair or replace, at its option, any parts (except those specified below) of a new John Deere product that, as delivered to the original retail purchaser, are defective in material or workmanship. Performance of this warranty will be free of charge for parts and labor, except as otherwise stated below. Standard Coverage applies only to purchases from John Deere and authorized John Deere dealers and, except as otherwise provided in the next sentence, is extended only to the original retail purchaser of the product. Remaining Standard Coverage applicable to a used John Deere product is transferred to a subsequent purchaser of the product only if the subsequent purchaser requests warranty transfer from an authorized John Deere dealer before the product's Standard Coverage expires. For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use.

Warranty statements required by law covering engine emissions-related parts and components are found on a separate written warranty certificate provided to the customer at the time of purchase.

**B. WHAT IS COVERED BY STANDARD COVERAGE**

Standard Warranty Full Machine: All parts of a new John Deere product (except those noted in Sections D and E below) are covered by Standard Warranty for the applicable Full machine coverage period set out above. Coverage begins on the date of delivery of the product to the original retail purchaser.

**C. EXCLUSIVE REMEDY**

The repair or replacement of covered parts that are defective, as provided in Section A above, shall be the purchaser's exclusive remedy for any defect in the product. However, if after repeated attempts such repair or replacement fails to correct the performance problem caused by the defect, the purchaser's sole remedy shall be a refund of the amount paid for the product (in exchange for a return of the product), excluding any transportation charges, license fees, taxes and insurance premiums, and less a reasonable allowance for use of the product prior to its return. In no event will the dealer, John Deere or any company affiliated with John Deere be liable for any incidental or consequential damages, including but not limited to loss of profits, rental of substitute equipment or other commercial loss. Correction of defects in the manner provided above shall constitute fulfillment of all liabilities of John Deere to the purchaser or any other person, whether based upon contract, tort, strict liability, or otherwise. This limitation does not apply to claims for personal injury.

**D. ITEMS COVERED SEPARATELY**

1. Standard Coverage does not apply to batteries, radios, tires, or to Cummins Engines installed in John Deere products, which are covered by separate written warranties.
2. StructurALL Warranty coverage for new John Deere Products (compact excavators & loaders and skid-steer loaders are not eligible for StructurALL Warranty Coverage) begins at the end of the Equipment's "Standard Warranty" coverage and any applicable "Extended Repair Coverage" purchased for the Equipment and ends (unless terminated earlier under Section F, below) three (3) years, or 10,000 hours (whichever occurs first) after the Equipment's original retail purchase or first rental prior to the first retail purchase. This warranty applies only to the following structural components listed below as installed on the equipment at the time of original manufacture. If a particular component is not listed below it is not covered by John Deere StructurALL Warranty.

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3. Used products (except as otherwise provided in Section A above).
4. Depreciation or damage caused by normal wear, damage caused by the application in which the machine is working, lack of reasonable and proper maintenance, failure to follow operating instructions, misuse, lack of proper protection during storage, vandalism, the elements, or collision or other accident.
5. Normal maintenance and replacement of maintenance and wear items, such as filters, oil, hydraulic fluid, lubricants, coolants and conditioners, undercarriage, blades and cutting edge parts, lubricated joints included pins and bushings (except in articulation joints), belts, dry brakes and dry clutch linings, hoses, rubber tracks, skidder grapple shocks, and bulbs. Note: Reimbursement for refills of oils/coolants lost due to warrantable failure are covered when a system failure occurs outside the boundaries of a normal oil change (within 25% of specified change interval).
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**H. OBTAINING STANDARD COVERAGE SERVICE**

To obtain Standard Coverage service, the purchaser must request Standard Coverage service from a John Deere dealer authorized to sell the product to be serviced. When making such a request, the purchaser must present evidence of the product's delivery date, make the product available at the dealer's place of business, and inform the dealer in what way the purchaser believes the product to be defective. Standard Coverage repairs can be made in the field if the purchaser and servicing dealer so desire. However, John Deere will not be responsible for any charges (such as dealer travel time, mileage or extra labor) that would not have been incurred had the product been repaired at the dealer's place of business.

**I. NO IMPLIED WARRANTY OR OTHER REPRESENTATION**

Where permitted by law, neither John Deere nor any company affiliated with it makes any warranties, representations or promises, express or implied, as to the quality, performances, or freedom from defect of its products, other than those set forth on this page, and NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS IS MADE.

**J. NO DEALER WARRANTY**

The selling dealer makes no warranty of his own on any item covered by this warranty, and makes no warranty on other items unless he delivers to the purchaser a separate written warranty certificate specifically warranting the item. The dealer has no authority to make any representation or promise on behalf of John Deere, or to modify the terms or limitations of this warranty in any way.