

COUNTY OF ERIE

DIVISION OF PURCHASE
95 FRANKLIN STREET
BUFFALO, NY 14202

**Bid for Plow Parts and Winter Highway Materials
for use by Erie County Department of Public Works
Division of Highways**

**Submitted in accordance with New York State Specifications
For the period September 1, 2020 – August 31, 2021**

BID #220150-004

COMPANY

PHONE

**Chemung Supply Corp
PO Box 527
Elmira, NY 14902**

(585) 704-5677

**Countyline Stone
PO Box 150
Akron, NY 14001**

(716) 542-5435

**Kolmetz Corp.
33 N. Lake St.
Bergen, NY 14416**

(585) 820-5035

**Northern Supply
Po Box 69
Bloomfield, NY 14469**

(585) 315-1556

**Russert Equipment
Po Box 1131
Orchard Park, NY 14127**

(585) 584-3425

**Valley Fab & Equipment
9776 Trevett Rd.
Boston, NY 14025**

(716) 941-6644

**Winter Equipment
1900 Joseph Lloyd Pkwy
Willoughby, OH 44094**

(800) 294-6837

2020 Erie County Winter Maintenance Bid Results Sheet

Item Description	Pay Unit	County Line Stone	Northern Supply	Rusert Equipment	Winter	Everest	Chemung Supply	Kolmetz Corp.
Snow Drift Control Plastic Fencing Type 1								
	Price for 50 foot Roll			\$57.50				
	Price for 100 foot roll		\$105.00	\$115.00				
Snow Fence Posts (Fiberglass)								
	Price for each 6 foot long section							
	Price for each 8 foot long section							
Sand / Snow Drift Control – all Plastic Fencing Type II								
	Price for 50 foot Roll			\$83.50				
	Price for 100 foot roll		\$158.00	\$167.00				
Picket Snow Fence								
	Price for 4' high - 50 foot rolls			\$76.43				
	Price for 4' high - 100 foot rolls							
	Price for 6' high - 50 foot rolls							
Snow Fence Posts								
	Price for 6' long, each		\$8.00	\$8.70			\$6.85	
	Price for 8' long, each							
Carbide Insert Blade System Razor Product or Equal								
	Price per 10'				\$123.80			
	Price per 11'				\$120.00			
	Price per 12'				\$117.04			
Carbide Insert Blade System Razor XL Product or Equal								
	Price per 10'				\$174.06			
	Price per 11'				\$169.40			
	Price per 12'				\$165.52			
Carbide Insert Blade System Block Buster or Equal								
	Price per 10'				\$223.18			
	Price per 11'				\$223.18			
	Price per 12'				\$223.18			
Plow Guard Curb Cast or Equal								
Fit a 6" top punch blade	price each		\$155.00	\$159.00	\$155.85			
Fit a 8" top punch blade	price each				\$188.85			
Plow Guard Jr. or Equal								
Fit a 6" top punch blade	price each		\$85.00	\$86.46	\$78.36			
Fit a 8" top punch blade	price each				\$90.00			
Plow Guard Straight or Equal								
Fit a 6" top punch blade	price each		\$110.00	\$106.20	\$127.95			
Fit a 8" top punch blade	price each				\$133.08			
Attach catalog with pricing list for additional items								
Additional items not in specifications	price each							
Carbide Matrix Weld Moldboard Shoe	price each				\$142.37			
Carbide Matrix Weld Frame Shoe	price each				\$125.48			
Carbide Matrix Weld Mushroom Shoe	price each				\$146.58			
Carbide Combination Blade								
Kuper TUCA SX Wave or equal	Price per linear inch		\$18.25					
N301-38K, Moldboard Shoe to fit Kuper TUCA SX Wave	price each		\$115.00					

2020 Erie County Winter Maintenance Bid Results Sheet

Item Description	Pay Unit	County Line Stone	Northern Supply	Ruseri Equipment	Winter	Everest	Chemung Supply	Koimetz Corp.
Kuper Accessory Products								
(Center) (HKUP828000008)	price each		\$225.00					
(Left) (HKUP828000010)	price each		\$225.00					
(Right) (HKUP828000011)	price each		\$225.00					
Carbon Steel Cutting Edge For Plow – Wing – Grader								
Plow & Wing Flat Blade								
1/2" x 6"	Price per linear inch			\$1.39			\$0.69	
5/8" x 6"	Price per linear inch			\$1.76			\$0.86	
1/2" x 8"	Price per linear inch			\$1.85			\$0.91	
5/8" x 8"	Price per linear inch			\$1.95			\$1.09	
3/4" x 8"	Price per linear inch			\$2.24			\$1.29	
Grader Double Bevel								
1/2" x 6"	Price per linear inch			\$1.27				
5/8" x 6"	Price per linear inch			\$1.55			\$0.69	
1/2" x 8"	Price per linear inch			\$1.70				
5/8" x 8"	Price per linear inch			\$1.85			\$0.93	
3/4" x 8"	Price per linear inch			\$2.35			\$1.12	
Hardened Cutting Edges Snow Plow Blades								
1" x 8"	Price per linear inch			\$3.90				
SAE Grade 8 Bolts & Nuts	Price for Bolt & Nut			\$1.85				
Hardened Cutting Edges For Grader Blades								
5/8" to 7/8" x 8" double bevel curved SAE 1074 steel	Price per linear inch			\$1.88				
SAE Grade 8 Bolts & Nuts	Price for Bolt & Nut			\$1.85				
Hardened Cutting Edges For Serrated Grader Blades								
3/4" x 8" heat treated thru hardened steel	Price per linear inch			\$2.67				
SAE Grade 8 Bolts & Nuts	Price for Bolt & Nut			\$1.85				
Heat Treated Flat Single Bevel Loader Edges								
Carbon Steel Blade								
1/2" x 6"	Price per linear inch			\$1.95				
3/4" x 6"	Price per linear inch			\$2.40				
3/4" x 8"	Price per linear inch			\$3.30				
1" x 8"	Price per linear inch			\$3.98				
1" x 9"	Price per linear inch							
1 3/8" x 10"	Price per linear inch							
1 1/2" x 12"	Price per linear inch							
Heat Treated								
1/2" x 6"	Price per linear inch							
3/4" x 6"	Price per linear inch			\$2.87				
3/4" x 8"	Price per linear inch			\$3.58				
1" x 8"	Price per linear inch			\$4.28				
1" x 9"	Price per linear inch			\$7.81				
1 3/8" x 10"	Price per linear inch			\$8.58				
1 1/2" x 12"	Price per linear inch			\$10.63				
Rubber Snow Plow Blade								
50ft. rolls unpunched	Price per foot		\$25.00		\$30.00		\$25.00	
50ft. rolls punched and fabricated	Price per foot		\$27.00		\$30.00		\$28.00	
Each blade punched and fabricated	Price per foot		\$28.00	\$33.30			\$30.00	

2020 Erie County Winter Maintenance Bid Results Sheet

Item Description	Pay Unit	County Line Stone	Northern Supply	Rusert Equipment	Winter	Everest	Chemung Supply	Kolmetz Corp.
Cast flat frame shoe 6" on center @ 30 lbs	Price each			\$68.00			\$49.00	
Cast flat frame shoe 6" on center @ 30 lbs w/ Carbide	Price each			\$205.00			\$235.00	
Cast flat frame shoe 6" on center @ 40 lbs	Price each						\$65.00	
Cast flat frame shoe 6" on center @ 40 lbs w/ Carbide	Price each						\$321.00	
Cast boat shoe 16 1/2" on center @ 68 lbs	Price each			\$88.50			\$59.67	
Cast boat shoe 16 1/2" on center @ 68 lbs w/ Carbide	Price each			\$215.00			\$325.00	
Cast mushroom shoe 6" on center @ 49 lbs	Price each			\$78.00			\$63.00	
Cast mushroom shoe 6" on center @ 49 lbs w/ Carbide	Price each			\$272.00			\$325.00	
Steel flat frame shoe 6" on center @ 50 lbs.	Price each						\$68.19	\$62.00
Steel flat frame shoe 6" on center @ 50 lbs. w/ Carbide	Price each		\$175.00				\$235.00	\$145.00
Steel boat frame shoe 1" x 7" x 22"; 16 1/2" on center @ 46 lbs.	Price each			\$88.50			\$93.21	\$85.00
Steel boat frame shoe 1" x 7" x 22"; 16 1/2" on center @ 46 lbs. w/ Carbide	Price each			\$215.00			\$235.00	\$205.00
Shoe Adapter Bracket	Price each						\$97.00	\$52.00
Kenametal Kencast Frame Shoe, KCWB-0167	Price each		\$235.00	\$258.00			\$235.00	\$210.00
Cast Nihard Frame Shoe #N301-11-3	Price each		\$55.00	\$72.00			\$55.00	
Cast Nihard Mushroom Shoe #N301-105-3	Price each		\$76.00	\$122.00			\$75.00	
Cast Nihard Boat Shoe #N301-3-2	Price each		\$85.00	\$122.00			\$90.00	
Manufacturers Plow Parts List *Price list must be included*								
Everest	% discount off List Price							
Frink	% discount off List Price							
Tenco	% discount off List Price							
Viking	% discount off List Price							
Fisher	% discount off List Price							
Western	% discount off List Price							
Viking	% discount off List Price							
Sander Parts								
Sander Chain	Price per foot			\$35.50			\$31.50	
Hydraulic motor to drive apron chain	Price each			\$338.00				
Hydraulic motor to drive spinner	Price each			\$210.00				
Spinner with hub - Poly 18"	Price each			\$142.00				
Spinner with hub - Poly 20"	Price each			\$150.00				
Spinner with hub - Steel 18"	Price each			\$200.00				
Spinner with hub - Steel 20"	Price each			\$220.00				
Stainless Steel 18"	Price each			\$230.00				
Stainless Steel 20"	Price each			\$260.00				
Miscellaneous Sander Parts								
Manufacturer	% discount off List Price					5.00%		
Smith Sanders	% discount off List Price			7%			5.00%	
SaltDogg Sanders	% discount off List Price							
Spreader Controls								
Comp-U-Spread	% discount off List Price							
Dickey John	% discount off List Price							
Hot Mix Asphalt Pavement Additives								
Fiber Additive for Hot Mix Asphalt	Price per pound	\$20.00 Note 1						
Cold Patch Mix Asphalt Pavements Additives								
Fiber Additive for Hot Mix Asphalt	Price per pound	\$20.00 Note 1						
Hot Mix for Winter Use	Price per ton	\$120.00 Note 1						
High Intensity Prismatic Reflective Sheeting, Rolls	Price per Square Foot							

Note 1: Minimum 50 ton

Specifications for Sander Parts

Sander Parts:

Sander Chain	per foot
Hydraulic motor to drive apron chain	per each
Hydraulic motor to drive spinner	per each
Spinner with hub	
Poly 18"	per each
Poly 20"	per each
Steel 18"	per each
Steel 20"	per each
Stainless Steel 18"	per each
Stainless Steel 20"	per each

Miscellaneous Sander parts:

Bid on miscellaneous sander parts to be the percent deducted from the sander/spreader manufacturer's list price. Manufacturer's list price must be submitted with this bid. Please state manufacturer.

Manufacturer <u>Everest</u>	<u>5</u> % off list
Smith Sanders _____	% off list
SaltDogg Sanders _____	% off list

Spreader Controls:

Bid on spreader controls to be the percent deducted from the spreader controls manufacturer's list price. Manufacturer's list price must be submitted with this bid.

Comp-U-Spread	% off list
Dickey John	% off list



BOSTON, N.Y.

VALLEY FAB & EQUIPMENT, INC.
9776 Trevett Road PO Box 380
Boston, New York 14025
(716) 941-6644 Fax (716) 941-5066

EVEREST 2020 PARTS PRICE LIST



PART No.	DESCRIPTION	2020 MSRP
0A1590	SAFETY TRIP RUBBER SPRING RH	\$1,881.76
0B0005	NYLON NUT 1-8 UNC GR8 PL	\$3.02
0B0006	NYLON NUT 1/2-13UNC GR8 PL	\$0.80
0B0129	TENSION SPRING .177 X 11/2 X 7	\$53.99
0B0136	CLEVIS YOKE 3/4-16 UNF ZINC PL	\$35.94
0B0721	NUT 5/8-11 UNC GR8 PL	\$0.84
0B0910	NYLON NUT 5/8-11 UNC GR8 PL	\$1.00
0P0219	SAFETY TRIP THREADED ROD	\$40.59
0P1785	GEAR REDUCER SHAFT MUS	\$97.11
0P1786	CONVEYOR DRIVE SHAFT MUS	\$136.88
0P1787	SHAFT COUPLER MUS BODY	\$129.12
0S0233	SAFETY TRIP CONNECT LINK RH	\$94.58
0S1548	TOWER FRONT PIVOT STD	\$91.78
0S1577	SAFETY TRIP PIVOT CAM (SHORT)	\$174.69
0S1578	SAFETY TRIP PIVOT CAM (LONG)	\$216.34
0S2102	TENSIONER CYL GREASE TYPE CHAIN	\$164.89
0S2279	CONVEYOR AXLE FOR X-CONVEYOR	\$150.74
0S2352	X-CONVEYOR CHAIN 667X	\$491.17
0S2415	SHORT PIVOT PIN THREADED	\$54.21
0S2416	LONG PIVOT PIN THREADED	\$61.53
1S0121	STD LATCH ADJUST BOLT	\$15.39
1S2922	TAILGATE LATCH ASSEMBLY	\$81.51
2A0507	REAR HINGE KIT (STD)	\$458.61
2S1360	PIVOT PIN GREASABLE	\$154.03
301634	KNUCKLE ACP ARM DUCTILE	\$69.75
3A0360	WING ARM ACC / ACX UPPER STD	\$594.80
3A0613	WING ARM ACC / ACX LOWER STD	\$624.68
3A1765	SAFETY TRIP 1 IN WIRE STD	\$859.48
3A1785	WING ARM LIFT CYL D/A ACP	\$1,187.76
3A1789	WING ARM ACP MAINE UPPER	\$926.30
3A1792	WING ARM ACP MAINE LOWER	\$585.60
3A1860	WING ARM ACC / ACX UPPER TRIP	\$788.70
3A2032	HITCH QUICK ATTACH KIT (DROP PIN)	\$615.28
3A2578	WING ARM LOWER ACPF UT	\$618.19
3A5048	RECEIVER ASSEMBLY QC (1 SET) (FOR PT & VAOT HITCH)	\$364.88
3A6696	RTE/RHS QC PIN TYPE NO EARS	\$872.69
3P0941	CHAIN HOOK 3 POINT 1/2	\$28.73
3P1525	LOCKING PIN LOWER SECTION	\$49.24
3P1607	PIVOT PIN SAFETY TRIP	\$57.67
3P2167	ACP FRONT TOWER SLIDER	\$281.79
3P2752	ACP 36 TOWER SLIDER FRONT	\$280.47
3P5305	PIVOT PIN	\$33.00
3P5307	LOCK PIN	\$32.64

PART NO.	DESCRIPTION	2020 MSRP
3S0130	AXLE SINGLE PULLEY ACC TOWERS	\$102.41
3S0350	WING ATTACH SWIVEL NO TRIP	\$211.66
3S0361	UNIVERSAL JOINT ACC WING ARM	\$38.07
3S0362	PIN WING BRACE	\$19.00
3S0368	WING ARM INNER ACC UPPER	\$331.23
3S0383	SHEAVE 6" (INCLUDES 3P0989)	\$92.11
3S0664	HITCH HANDLE PIN 1 1/4 X 9 (ZINC)	\$39.60
3S0942	TRIPLE CHAIN HOOK HITCH 1/2 PL	\$98.96
3S1516	PT HITCH QC UPPER PIVOT	\$1,460.67
3S1727	AXLE SINGLE PULLEY HCC TOWER	\$64.78
3S1791	ACP UPPER ARM INNER SHORT RH	\$262.66
3S1906	SLIDE HCC TOWER 72 OR 36	\$172.85
3S2559	CYLINDER HCC 36 FRONT TOWER	\$832.80
3S3321	PT HITCH BASE BRACKET	\$820.92
3S3809	INNER ROD BASE END OTTAWA	\$978.94
3S3811	INNER ARM EXTENDING END	\$676.69
3S4776P	OSCILLATOR YOKE STYLE VAOT QC	\$116.78
3S5338	TRAVEL POSITIONER SLIDER ACC HYDRAULIC	\$392.38
3S5550P	PT HITCH QC PLOW ADAPTOR	\$2,130.97
3S5989	PT QC HITCH RUBBER SPRING KIT	\$496.84
3S6221	LOCK EAR ASSY	\$91.14
4A1075	LIFT ROLLER ASSEMBLY	\$201.39
4A1680	CASTER W/ MUSHROOM SHOE	\$650.56
4A2700	CABLE & DRUM PLOW LIFT KIT	\$335.21
4A4391	STRUT ADJUSTABLE OWSK STD	\$300.27
4P0016	PIVOT PIN CAP REV P/F	\$12.33
4P0018	WORM GEAR RACK STD REV P/F	\$376.18
4P0242	TRIP EDGE PIVOT TUBE R132 TE	\$180.14
4P0283	SHOE CAST IRON CURB	\$48.48
4P0369	PUSHFRAME SHOE LEG OWSK	\$77.92
4P0634	PIVOT PLATE	\$24.18
4P1566	MAIN PIVOT PIN REV P/F	\$107.70
4P1801	PIVOT TUBE RTE 132 HD	\$459.18
4P3840	PLOW PIN EAR	\$30.26
4P4292	RUBBER STOP BLOCK 2 X 3.63 X 6	\$101.99
4P4382	PIVOT PIN CAP REV P/F 4A1885	\$46.05
4P4609	BANANA SHOE ADD ON LEG	\$77.97
4P5294	TIMBREN SPRING STOP	\$211.49
4S0012	TRIP EDGE PIPE CAP RTE	\$40.67
4S0283	CURB SHOE KIT WITH BOLTS	\$55.83
4S0358	SLIDER OWSK CT TRIP SPRING	\$135.61
4S0361	TENSION SPRING ASSY (SHORT)	\$165.72
4S0372	PUSH FRAME SHOE FOOT OWSK	\$96.35
4S0376	STRUT PIN OWSK	\$28.73
4S0388	SPRING RETAINER WASHER	\$40.50
4S0552	BANANA TYPE SHOE FOOT ASSY	\$233.54
4S0628	OSCILLATOR BAR STD OWSK	\$371.97
4S1105	TRIP EDGE R 132 TE	\$884.72
4S1117	TRIP EDGE 120 REPLACEMENT	\$1,058.47

PART NO.	DESCRIPTION	2020 MSRP
4S1322	NUT HOLDER OWSK PUSHFRAME LEG	\$24.61
4S1356	MAIN PIVOT PIN 2" RM	\$105.93
4S1543	OSCILLATOR BAR RHS/RTE (STD)	\$316.16
4S1643	MOLDBOARD SHOE RL RM STEEL	\$77.97
4S1650	CURB SHOE STEEL ROD BLADE TYPE	\$75.63
4S1746	M B ATTACH PIN OWSK / CYL PIN	\$43.53
4S1886	PUSHBAR & SECTOR FOR 4A1885	\$2,514.66
4S1887	PUSHFRAME A-FRAME STD	\$1,614.22
4S2700	SHEAVE FOR 4A2700 LIFT KIT	\$98.15
4S3165	SHOE CARBIDE 30 DEG DP M/B	\$378.93
4S3394	END CAP RTE W/DEH PIVOT TUBE	\$93.48
4S3687	P/F ROLLER WHEEL OWSK W/PIN	\$102.88
4S3934	PUSHFRAME SHOE OWRL	\$79.65
4S3991	PUSHFRAME SHOE LEG OWRL	\$205.62
4S4028	PUSHFRAME SHOE FOOT OWSK MTO	\$90.09
4S4201	NOSE SHOE & BOLT KIT OWSK STD	\$122.22
4S4252	OSCILLATOR BAR QC TACH OWSK	\$591.95
4S4387	SPRING RESTRAINT ASSEMBLY OWSK	\$128.65
4S4400	OWSK CT SLIDE EAR & ROD	\$134.71
4S4441	PUSHFRAME OWSK SHOE LEG	\$120.74
4S4527	ATTACK ANGLE ADJUSTER RHS 60 DEG.	\$162.56
4S4551	TRIP STOP ROD (4S4540)	\$110.60
4S4702	OSCILLATOR BAR OWSK QC VT 2006	\$633.22
4S4927	ATTACK ANGLE ADJUSTER RHS 80 DEG.	\$662.56
4S5169	OSCILLATOR BAR RTE (3A5297 QC)	\$579.48
4S5312	TRIP EDGE R120TE3654S VORTEX	\$856.90
501552	SPINNER POLY HUB DUCTILE	\$62.87
5A1325	SPINNER DRIVE BEARING (5A1570)	\$121.92
5A1570	SPINNER DRIVE ASSEMBLY	\$723.10
5A2225	SPINNER DRIVE SEALED	\$1,162.21
5P0134	KEY 1/4 X 1/4 X 2.18	\$3.88
5P0138	IDLER SHAFT	\$24.61
5P1298	SPINNER SHAFT FOR 5A1570	\$27.69
5P1324	SPINNER SHAFT COLLAR (5A1570)	\$25.65
5P2221	SPINNER SHAFT FOR 5A2225	\$63.65
5S1997	CHAIN ASSY DBS 10 & 10.5	\$713.98
6A0080	OIL TANK ACP 35 GAL SIDE MOUNT	\$677.57
6A0323	OIL TANK ACP 35 GAL SADDLE	\$1,033.61
6A1342	OIL TANK 30 GAL HPF SIDE MOUNT	\$720.94
6BO103	TAKE-UP BEARING 1 IN	\$68.67
6BO104	MOTOR 10.3 CU 4 BOLT H CHARLYNN	\$516.31
6BO164	MOTOR 10.3 CU 2 BOLT H CHARLYNN	\$517.32
6BO318	RELIEF VALVE ACP ARMLIFT	\$426.55
6BO477	CAST MUSHROOM SHOE	\$109.60
6BO486	1/2 FLOW DIVIDER BRAND	\$255.21
6BO857	FILLER BREATHER CAP	\$48.10

PART NO.	DESCRIPTION	2020 MSRP
7A6425	SEALED SPINNER DRIVE LONG 2012	\$660.76
7P0754	SDS STD WIPER UNIVERSAL	\$238.29
7P0848	KEY 5/15 X 5/16 X 2.50	\$8.21
7P1288	KEY 3/8 X 3/8 X 2.50	\$3.49
7P3273	SDS ROD END LIFT ROLLER	\$58.07
7P3277	SDS ROD END LIFT ROLLER AXLE	\$81.98
7P3292	TORQUE BASE PIN	\$70.17
7P3564	POLY WIPER LIL SDS	\$119.64
7P4610	ROD END LIFT ROLLER AXLE	\$89.94
7P4623	IDLER COVER SUPPORT PLATE	\$106.78
7P4986	SDS CONVEYOR DRIVE SHAFT MAIN	\$93.76
7P4987	SDS CONVEYOR DRIVE SHAFT STUB	\$62.06
7P4988	SDS CONVEYOR DRIVE SHAFT COUPLER	\$90.42
7P5059	SDS 12-15 TILT H/B POLY WIPER	\$174.28
7P6904	SDS CONVEYOR DRIVE STUB SHAFT CANIMEX	\$45.95
7P6905	KEY 3/8 X 3/8 X 4.63	\$3.86
7S3355	REAR IDLER ROLLER SDS	\$672.65
7S3439	CONVEYOR CHAIN TAKE-UP NEW SDS	\$1,108.22
7S3524	CHUTE SDS CONVEYOR SUMMER	\$678.58
7S3820	SDS TILT FLOOR HINGE FRONT / MID	\$413.03
7S3885	IDLER ROLLER SDS	\$486.79
7S4160	SDS VT IDLER TAKE UP UNIT	\$842.07
7S4400	SDS CONVEYOR TRAY EXTENSION	\$151.05
7S4527	TILT FLOOR HINGE SDS SS	\$297.22
7S4774	REPLACEMENT ROLLER FOR 7S4160	\$116.86
7S4980	SDS CONVEYOR IDLER TAKEUP 2007	\$811.33
7S5874	POLY CHUTE BODY MOUNT SDS 2012	\$309.79
7S6486	SDS CONVEYOR IDLER TAKE-UP ASSY	\$124.24
9B1024	TENSION SPRING 1/4 X 1.8 X 15	\$57.70
9B1058	METERING DOOR JACK 15" NO FOOT	\$111.02
9B1095	NOSE SHOE STD DUCTILE	\$121.90
9B1108	SHACKLE 5/8 ANCHOR CP TYPE SC	\$34.53
9B1111	WOODRUFF KEY 1/4 X 1 #808	\$1.41
9B1124	3/8 - 16 UNC BY 5 HHCS GR5 PL	\$0.91
9B1139	COMPRESSION SPRING 5/8 X 23/4 X 4 X 8	\$88.41
9B1142	GEAR REDUCER COUPLING	\$78.98
9B1163	GEAR REDUCER PLUG VENT	\$15.14
9B1205	GEARBOX SHAFT 25:1 (9B1042)	\$140.83
9B1279	TENSION SPRING 1/8 X 1 OD X 8.50	\$25.71
9B1333	PLOW GUIDE MARKER 30" (1 EACH)	\$92.57
9B1362	CARRIAGE BOLT 7/16-14 UNC X 11/2 GR5 PL	\$0.81
9B1372-33	O-RING 177.47 X 2.62	\$7.58
9B1437	GEAR REDUCER 25:1 RH	\$903.43
9B1529	SPROCKET 8 TOOTH 13/4B D88K	\$85.00
9B1664	13/8-6 UNC X 4 GR8 HHCS	\$40.42
9BO060	3/4-10 UNC X 2 HHCS GR5 PL	\$1.72
9BO065	SPRING PIN 3/8 X 21/4 PL	\$1.55
9BO066	3/8-16 UNC X 11/4 HHCS GR5 PL	\$0.25
9BO074	NUT 1/2-13 UNC HEX GR5 PL	\$0.17

PART No.	DESCRIPTION	2020 MSRP
9BO076	CLEVIS YOKE 1/2-NF W/PIN	\$11.60
9BO083	FLAT WASHER 3/4 (13/16-2) PL	\$0.34
9BO084	FLAT WASHER 3/8 (7/16 ID-1 OD) PL	\$0.10
9BO088	LOCK WASHER 1/2 HELICAL SPRING	\$0.31
9BO093	NUT 5/8 - 11 UNC PL GR5	\$0.34
9BO102	NYLON NUT 3/8 - 16 UNC GR8 PL	\$0.31
9BO127	FLANGE BEARING 1 IN 4 BOLT	\$25.00
9BO138	U-BOLT 1/2 - 2 BY 4.25	\$6.53
9BO145	TORSION SPRING .78 X 3.75 X 13	\$109.88
9BO157	HIGHLANDER PIN 1 X 4 1/4 W/CLIP	\$21.72
9BO163	LOCK WASHER 5/8 PL	\$0.31
9BO182	FLAT WASHER 5/8 (11/16-13/4) PL	\$0.34
9BO188	COTTER PIN 3/16 X 11/2	\$0.45
9BO195	NYLON NUT 1 1/4 UNC GR8 PL	\$17.71
9BO196	NYLON NUT 1 1/2-6 UNC GR8 PL	\$30.54
9BO201	1 1/4-7 UNC 5 6 HHCS GR5 PL	\$18.48
9BO351	NUT 1 1/4-UNC SLOTTED HEAVY HEX PL	\$11.14
9BO362	COTTER PIN 1/4 X 2 1/2 PL	\$0.59
9BO365	TENSION SPRING 3/8 X 3 X 18	\$93.65
9BO387	COMPRESSION SPRING 2 1/32 X 5 X 14.25	\$117.73
9BO388	TENSION SPRING 5/8 X 3.5 X 22.5 BLACK	\$145.66
9BO389	3/4 X 6 ROD END GR8	\$27.61
9BO405	SHOE CAST IRON BANANA PAINTED	\$110.10
9BO406	CONNECTING BALL LARGE 2 3/4 ROUND	\$30.56
9BO436	NOSE SHOE RH DUCTILE CAST	\$114.06
9BO447	CLEVIS DOUBLE LINK 7/16 S247	\$68.71
9BO450	GREASE FITTING 1/4 28	\$0.81
9BO462	TORSION SPRING 3/4 X 3 3/4 X 3 BLACK	\$101.87
9BO481	CARRIAGE BOLT 5/8 UNC X 4 1/2 GR5 PL	\$3.29
9BO504	NUT 1 1/2-6 UNC SLOTTED HEX PL GR5	\$31.67
9BO505	5/8-UNC X 2 GR8 HEX SOCKET CAPSCREW PL	\$3.29
9BO518	TORSION SPRING 1/2 X 2 5/8 4 BLACK	\$44.27
9BO522	CONNECTING BALL SML 1 1/2 ROUND	\$6.53
9BO529	COUPLING L095 FOR 1" SHAFT (FOR 9BO530)	\$27.67
9BO530	COUPLING INSERT PAD (FOR 9BO529)	\$11.22
9BO543	HIGHLANDER PIN 1 1/4 X 7 1/4 W/CLIP	\$34.25
9BO549	CLEVIS PIN 3/4 X 1-29/32	\$6.57
9BO560	JACK SCREW 10" W/CRANK NO FOOT	\$98.70
9BO564	1 1/2-6 UNC X 4 HHCS GR8 PL	\$30.08
9BO566	HIGHLANDER PIN 1 1/4 X 2.81 USEABLE	\$27.19
9BO567	SPROCKET 6 TOOTH 1 1/4	\$87.55
9BO570	FLANGE BEARING 1-1/4" 4-BOLT	\$54.32
9BO589	HIGHLANDER PIN 1 1/4 X 4 1/4 W/CLIP	\$30.14
9BO618	SPROCKET 8 TOOTH 13/48 5/16K	\$68.75
9BO620	3/4-10 UNC X 6 HHCS GR5 PL	\$3.73
9BO627	SHOE CAST IRON FRAME	\$92.78
9BO630	TORSION SPRING 1 X 5 X 4 1/2	\$71.69
9BO635	COMPRESSION SPRING 5/8 X 2.44 X 7 1/2 BLACK	\$67.45
9BO636	SPROCKET 6 TOOTH 667X 1B 1/4K	\$71.81
9BO637	HIGHLANDER PIN 1 X 9 1/2 W/CLIP	\$29.55
9BO648	JACK SCREW 10" W/FOOT 2" PIPE	\$100.99
9BO693	SHOE GREY IRON MB SHOE 12" C	\$88.52

PART NO.	DESCRIPTION	2020 MSRP
9BO694	CARRIAGE BOLT 5/8 UNC X 4 GR5 PL	\$2.65
9BO730	HIGHLANDER PIN 11/4X10 W/CLIP	\$38.29
9BO754	FLANGE BEARING 13/4 IN 4 BOLT	\$58.27
9BO767	SNAP RING RETAINING EXTERNAL 11/2	\$2.15
9BO782	GEARBOX 25:1 OUTPUT SHAFT 13/4	\$131.76
9BO809	SHOE CAST IRON MB 60 DEG	\$88.28
9BO816	PLOW MARKER FLEXIBLE 36" (1EA)	\$37.53
9BO822	NYLON NUT 3/4 - 10 UNC GR8 PL	\$1.94
9BO836	TENSION SPRING 5/8 X 3.5 X 27.5 BLACK	\$198.54
9BO854	HINGE PIN 1 1/4 X 7.00	\$28.25
9BO879	GEAR REDUCER COUPLER 11/4 KEY	\$89.45
9BO901	BALL BEARING W/LOCK SCREWS 11/4 KEY	\$29.04
9BO902	SNAP RING INTERNAL 2.44 ID X 2.7 OD X 0.78	\$7.79
9BO919	HITCH PIN CLIP 1/4 X 5	\$2.75
9BO927	SET SCREW 5/16-24 UNF X 11/4 SS	\$1.01
9BO945	SNAP RING INTERNAL 11/4" SS	\$15.31
9BO975	SNAP RING INTERNAL 13/4	\$27.93
9P0944	ROD END 3/8 - 16 UNC SS X 6	\$14.86
9S0480	8" CAST IRON WHEEL 1.25" W/BEARING	\$234.33
9S0579	POLY SPINNER 18" W/ HUB CW	\$327.21
9S0841	10IN CAST IRON WHEEL W/BEARING	\$290.50
9S0894	POLY SPINNER 18" W/ HUB CCW	\$327.21
EV5A1490	TAKE-UP FRAME NO BEARING	\$227.44
EV6B1499	CROSS OVER RELIEF VALVE	\$172.29

Robert's Group

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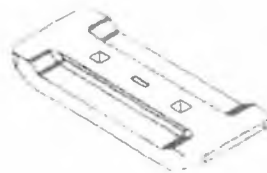
FS-28

HD Frame Drive

Extended version of standard production
for soft or mixed media



2 1/4" x 6" Drive



1/2" x 1/2"



1 1/2"

1"

3/4" Eolts 9 spacing

Lowest 2. 2001
#85-720-5035

\$175

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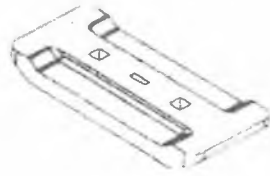
F5-24

Frame Shoe

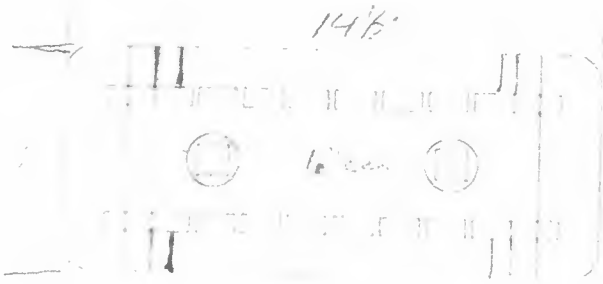
Washcoat protection for oil
and stone surfaces.



78 x 1/2 Base



Small text label below the second sketch.



14 1/2

16 cm

3/4 inch

24 inch

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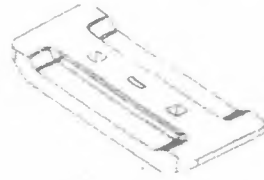
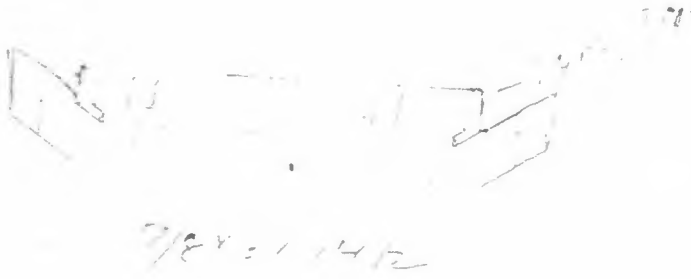
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Frame line

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