

Price quote for:	3.0 PRICE SCHEDULE UNDERBODY PLOW
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Vendor Name:	Crysteel Truck Equipment-Fridley
Contact Person:	Josh Taylor
Street Address:	1130 73rd Avenue NE
City, State, Zip:	Fridley, MN 55432
Phone #:	(763) 571-1902
Toll Free #:	1-800-795-1280
Fax #:	(763) 571-5091
Email Address:	jtaylor@crysteeltruck.com
Website:	www.crysteeltruck.com

Vendor Name:	Crysteel Truck Equipment-Lake Crystal
Contact Person:	Josh Miller
Street Address:	152248 Ember Road
City, State, Zip:	Lake Crystal, MN 56055
Phone #:	(507) 726-6041
Toll Free #:	1-800-722-0588
Fax #:	(507) 726-2984
Email Address:	jmiller@crysteeltruck.com

Item #	Information Requested	Answer
3.0	Underbody Plow, Make and Model	Monroe MS-4500 Reversing Scraper
	Moldboard Description	1" thick x 20" high (See lengths below) long mild steel
	Moldboard Cutting Edge Description	1/2" x 6" double beveled (2 piece)
	Moldboard Hydraulic Cylinder Description	Two 3-1/2" x 10" double acting actuating cylinders w/ Socatri rods; two cylinder canister assemblies; two HD shock absorbers.
	Moldboard maximum PSI operating pressure	System relief valve set at 500 psi
	Circle Drive Description	1" solid circle; 5" center pin with hardened bushings
	Circle Drive Hydraulic Cylinder description	Two 4" x 12" power reversing cylinders; 2" Socatri rods; 2" replaceable pins
	Warranty Information	1 year from date of purchase
	Volume Discounts	N/A
	TOTAL PRICE: See Below	

	Description	Answer
3.1	Installation of Underbody Plow	\$ 3,875.00
Underbody Plow Options		
3.2	Monroe MS-4510 Under Body Scraper 00183841i	\$ 19,352.00
3.3	Monroe MS-4511 Under Body Scraper 00183871i	\$ 19,784.00
3.4	Monroe MS-4512 Under Body Scraper 00183840i	\$ 20,196.00
Note: Installation included in all pricing listed below		
REQUIRED -Pair of mounting plates		
3.5	HANGER PL,.75X22X25.50,SCPR,1.25 GA LINE,4500 SERIES, 2 REQD'	\$ 438.00
3.6	HANGER PL,.75X35,SCPR,MS4500,TAPERED,1.25 GL 2 REQD'	\$ 515.00
3.7	HANGER WLDMT,BAR,1X4X24,SCPR,MS4500 2 REQD'	\$ 315.00
3.8	HANGER PL,.75X22.5WX30H,SCPR - FOR: 4X4 OR 6X6 2 REQD'	\$ 626.00
3.9	HANGER KIT,SCPR,MS4500,OSCG.1.250 GL,- Requires two 4-way valves	\$ 8,376.00
OPTIONS for 4500		
3.10	3/4"CUTTING EDGE ILO 1/2" PER FOOT	\$ 9.00
3.11	7/8" CARBIDE CUTTING EDGE ILO OF 1/2" PER FOOT	\$ 98.00
3.12	CURB GUARD KIT,WRAP AROUND,.625X6.0 EACH	\$ 111.00
3.13	1' X 15" MOLDBOARD IN LIEU OF STANDARD 20" ADD	\$ 479.00
3.14	EXT KIT,SCPR,MLDBD,1X15,1",LH	\$ 2,058.00
3.15	EXT WLDMT,SCPR,1",RH,15"MLDBD	\$ 2,028.00
3.16	EXT KIT,SCPR,MLDBD,1X20,1",RH	\$ 1,889.00
3.17	GREASE LINE KIT,SCPR,13-BANK,MS3500/MS4500	\$ 617.00
3.18	GREASE LINE KIT,SCPR,MS4500 - 19 BANK	\$ 786.00
3.19	Add for moving driver side fuel tank out and up for scraper install	\$ 1,074.00
3.20	Add for moving air tank for proper scraper install-per air tank	\$ 443.00
3.21	Add for moving battery box for proper scraper install	\$ 760.00
3.22	Add for moving air dryer for proper scraper install	\$ 443.00
	Cost per Loaded Mile for Delivery of Underbody Plow	\$ 4.00
	Delivery Starting Point City, State, & Zip:	Fridley, MN 55432 OR Lake Crystal, MN 56055
	Body Shop Rate	\$ 135.00
	Mechanical Shop Rate	\$ 135.00

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Vendor Name:	Crysteel Truck Equipment-Lake Crystal
Contact Person:	Josh Miller
Street Address:	152248 Ember Road
City, State, Zip:	Lake Crystal, MN 56055
Phone #:	(507) 726-6041
Toll Free #:	1-800-722-0588
Fax #:	(507) 726-2984
Email Address:	jmiller@crysteeltruck.com

Item #	Information Requested	Answer
3.0	Underbody Plow, Make and Model	Monroe FMB-Reversing Scraper
	Moldboard Description	20" high (See lengths below), heat treated, high carbon steel, two-piece folding type, 1/2" x 10" high carbon upper deflector, 3/4" x 9" high carbon lower deflector, four HD shock absorbing spring assembly
	Moldboard Cutting Edge Description	1/2" x 6" AASHO punched, double beveled
	Moldboard Hydraulic Cylinder Description	Two 3" double acting actuating cylinders w/ nitrated rods.
	Moldboard maximum PSI operating pressure	System relief valve set at 500 psi
	Circle Drive Description	1" solid circle; 5" center pin with hardened bushings
	Circle Drive Hydraulic Cylinder description	Two 4" power reversing cylinders w/ 2" replaceable pins
	Warranty Information	1 year from date of purchase
	Volume Discounts	N/A
TOTAL PRICE:		See Below

	Description	Answer
3.1	Installation of Underbody Plow	\$ 3,875.00

Underbody Plow Options		
3.2	Monroe FMB-4510 Under Body Scraper 00174604i **	\$ 24,674.00
3.3	Monroe FMB-4511 Under Body Scraper 00174605i **	\$ 24,976.00
3.4	Monroe FMB-4512 Under Body Scraper 00174674i **	\$ 25,274.00
** Includes Mounting Plates		

Note: Installation included in all pricing listed below		
3.5	HANGER PL,.75X35,SCPR,MS4500,TAPERED,1.25 GL ILO 2 REQD'	\$ 515.00
3.6	HANGER WLDMT,BAR,1X4X24,SCPR,MS4500 ILO 2 REQD'	\$ 315.00
3.7	HANGER PL,.75X22.5WX30H,SCPR - FOR: 4X4 OR 6X6 ILO 2 REQD'	\$ 626.00
3.8	3/4"CUTTING EDGE ILO 1/2" PER FOOT	\$ 9.00
3.9	7/8" CARBIDE CUTTING EDGE ILO OF 1/2" PER FOOT	\$ 98.00
3.10	CURB GUARD KIT,WRAP AROUND,.625X6.0 EACH	\$ 111.00
3.11	GREASE LINE KIT,SCPR,FMB-MN-02 - 35 grease lines	\$ 993.00
3.12	Add for moving driver side fuel tank out and up for scraper install	\$ 1,074.00
3.13	Add for moving air tank for proper scraper install-per air tank	\$ 443.00
3.14	Add for moving battery box for proper scraper install	\$ 760.00
3.15	Add for moving air dryer for proper scraper install	\$ 443.00

	Cost per Loaded Mile for Delivery of Underbody Plow	\$ 4.00
	Delivery Starting Point City, State, & Zip:	Fridley, MN 55432 OR Lake Crystal, MN 56055
	Body Shop Rate	\$ 135.00
	Mechanical Shop Rate	\$ 135.00

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Item #	Information Requested	Answer
3.0	Underbody Plow, Make and Model	Monroe 4500 FX Fixed Angle Scraper
	Moldboard Description	1" thick x 20" high (See lengths below)
	Moldboard Cutting Edge Description	1/2" x 6" double beveled two piece
	Moldboard Hydraulic Cylinder Description	Two 3.5" x 11.5" double acting actuating cylinder w/ nitrated rods; two cylinder canister assembly; two HD shock absorber
	Moldboard maximum PSI operating pressure	System relief valve set at 500 psi
	Circle Drive Description	Fixed Angle
	Circle Drive Hydraulic Cylinder description	None
	Warranty Information	1 year from date of purchase
	Volume Discounts	N/A
	TOTAL PRICE: See Below	

	Description	Answer
3.1	Installation of Underbody Plow	\$ 3,568.00

Underbody Plow Options		
3.2	Monroe 4510 FX Under Body Scraper 00183857i	\$ 14,055.00
3.3	Monroe 4511 FX Under Body Scraper 00183875i	\$ 14,488.00
3.4	Monroe 4512 FX Under Body Scraper 00183890i	\$ 14,900.00

Note: Installation included in all pricing listed below		
3.5	3/4" CUTTING EDGE ILO 1/2" PER FOOT	\$ 9.00
3.6	7/8" CARBIDE CUTTING EDGE ILO OF 1/2" PER FOOT	\$ 98.00
3.7	CURB GUARD KIT, WRAP AROUND, .625X6.0 EACH	\$ 111.00
3.8	1' X 15" MOLDBOARD IN LIEU OF STANDARD 20" ADD	\$ 479.00
3.9	EXT WLDMT, SCPR, 1', RH, 15" MLDBD	\$ 2,028.00
3.10	EXT WLDMT, SCPR, 1', RH 20" MLDBD	\$ 1,389.00
3.11	Add for moving driver side fuel tank out and up for scraper install	\$ 1,074.00
3.12	Add for moving air tank for proper scraper install-per air tank	\$ 443.00
3.13	Add for moving battery box for proper scraper install	\$ 760.00
3.14	Add for moving air dryer for proper scraper install	\$ 443.00

	Cost per Loaded Mile for Delivery of Underbody Plow	\$ 4.00
	Delivery Starting Point City, State, & Zip:	Fridley, MN 55432 OR Lake Crystal, MN 56055
	Body Shop Rate	\$ 135.00
	Mechanical Shop Rate	\$ 135.00

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City, State, Zip:	Lake Crystal, MN 56055
Phone #:	(507) 726-6041
Toll Free #:	1-800-722-0588
Fax #:	(507) 726-2984
Email Address:	jmiller@crysteeltruck.com

Item #	Information Requested	Answer
3.0	Underbody Plow, Make and Model	Monroe MF-5 Fixed Angle Scraper
	Moldboard Description	1" thick x 20" high (See lengths below)
	Moldboard Cutting Edge Description	1/2" x 6" double beveled two piece
	Moldboard Hydraulic Cylinder Description	One 3.5" x 11.5" double acting actuating cylinder w/ nitrated rods; One cylinder canister assembly; One HD shock absorber
	Moldboard maximum PSI operating pressure	System relief valve set at 500 psi
	Circle Drive Description	Fixed Angle
	Circle Drive Hydraulic Cylinder description	None
	Warranty Information	1 year from date of purchase
	Volume Discounts	N/A
TOTAL PRICE:		See Below

	Description	Answer
3.1	Installation of Underbody Plow	\$ 3,568.00

Underbody Plow Options		
3.2	Monroe MF-510 Under Body Scraper 00049824	\$ 8,230.00
3.3	Monroe MF-511 Under Body Scraper 00045864	\$ 8,715.00
3.4	Monroe MF-512 Under Body Scraper 00049826	\$ 10,069.00

Note: Installation included in all pricing listed below		
3.5	3/4" CUTTING EDGE ILO 1/2" PER FOOT	\$ 9.00
3.6	7/8" CARBIDE CUTTING EDGE ILO OF 1/2" PER FOOT	\$ 97.00
3.7	EXT KIT, SCPR, MLDBD, 1X20, 1', RH	\$ 1,880.00
3.8	CURB GUARD KIT, WRAP AROUND, .625X6.0 EACH	\$ 110.00
3.9	TWO ACTUATING CYLINDER ILO OF ONE	\$ 2,772.00
3.10	RIGHT SIDE CANISTER MOUNT ILO OF LEFT SIDE	\$ 775.00
3.11	Add for moving driver side fuel tank out and up for scraper install	\$ 695.00
3.12	Add for moving air tank for proper scraper install-per air tank	\$ 443.00
3.13	Add for moving battery box for proper scraper install	\$ 759.00
3.14	Add for moving air dryer for proper scraper install	\$ 443.00

	Cost per Loaded Mile for Delivery of Underbody Plow	\$ 4.00
	Delivery Starting Point City, State, & Zip:	Fridley, MN 55432 OR Lake Crystal, MN 56055
	Body Shop Rate	\$ 135.00
	Mechanical Shop Rate	\$ 135.00

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Email Address:	jmiller@crysteeltruck.com

Item #	Information Requested	Answer
3.0	Underbody Plow, Make and Model	Monroe MS-44/35 Reversing Scraper
	Moldboard Description	1" thick x 15" high (See lengths below) long mild steel
	Moldboard Cutting Edge Description	1/2" x 6" double beveled two piece
	Moldboard Hydraulic Cylinder Description	Two 4" x 10" double acting actuating cylinder w/ nitrated rods; Two cylinder canister assembly; Two HD shock absorber
	Moldboard maximum PSI operating pressure	System relief valve set at 500 psi
	Circle Drive Description	1" solid circle; 5" center pin with hardened bushings
	Circle Drive Hydraulic Cylinder description	One 4" power reversing cylinder; 2" hard nitrated rods; 2" replaceable pins
	Warranty Information	1 year from date of purchase
	Volume Discounts	N/A
	TOTAL PRICE: See Below	

	Description	Answer
3.1	Installation of Underbody Plow	\$ 3,875.00

Underbody Plow Options		
3.2	Monroe MS-443510 HD Under Body Scraper 00092182I	\$ 20,165.00
3.3	Monroe MS-443511 HD Under Body Scraper 00055533I	\$ 20,575.00
3.4	Monroe MS-443512 HD Under Body Scraper 00093343I	\$ 21,172.00

Note: Installation included in all pricing listed below		
Hanger brackets must be added to bid-priced per pair		
3.5	3/4"CUTTING EDGE ILO 1/2" PER FOOT	\$ 9.00
3.6	7/8" CARBIDE CUTTING EDGE ILO OF 1/2" PER FOOT	\$ 98.00
3.7	CURB GUARD KIT,WRAP AROUND,.625X6.0 EACH	\$ 111.00
3.8	EXT WLDMT,SCPR,1',RH,15"MLDBD	\$ 2,028.00
3.9	HANGER KIT,SCPR,OSCLATNG,1"GL-Requires two 4-way valves	\$ 8,376.00
3.10	Add for moving driver side fuel tank out and up for scraper install	\$ 1,074.00
3.11	Add for moving air tank for proper scraper install-per air tank	\$ 443.00
3.12	Add for moving battery box for proper scraper install	\$ 760.00
3.13	Add for moving air dryer for proper scraper install	\$ 443.00

	Cost per Loaded Mile for Delivery of Underbody Plow	\$ 4.00
	Delivery Starting Point City, State, & Zip:	Fridley, MN 55432 OR Lake Crystal, MN 56055
	Body Shop Rate	\$ 135.00
	Mechanical Shop Rate	\$ 135.00