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Quote To:

VSA

Mechanicsville, VA 23116

Prepared by: Pete Kurz

Product ID	Description	Quantity	Unit Price
Plow	MSP - 9' Length Mid Size Reversible Snow Plow	1	\$9,146.00



MSP PLOW

Heavy-duty Muscle for Mid-range Trucks

Designed to work in close partnership with the new mid-range trucks (or full-size trucks in "low snow" areas, Henderson's MSP carries all of the rugged characteristics of its big brother...the one that's aggressively clearing the roads under the toughest conditions imaginable. The MSP mid-size reversible plow is the perfect mate for the new mid-range trucks that are being put to work on parkways, parking lots, ramps and on roads where the "monsters" are overkill.

The unique rolled moldboard (steel or polymer) moves snow to the side effortlessly for a cleaner surface with less wear on the vehicle. It is virtually self-cleaning to reduce back-up and drifting for improved driver visibility.

MSP is competitively priced to fit the mid-range truck too. All in all, it's the ideal marriage of two great ideas...the mid-range truck and the mid-range snow plow.



The roll-formed moldboard features 10-gauge steel with roll-formed ribs continuous welded for optimum strength and rigidity. An optional 3/8" UHMV polymer moldboard with non-stick surface is also available. It is solid clear-through orange with black powder-coat frame members.



- Eight 3/8" x 3" ribs for extra strength and rigidity.
- Moldboard curvature designed to improve snow moving capabilities while minimizing "drift".
- Supported by the Henderson Hitch, the plow in any position remains level to the road.
- One-piece moldboard is rolled instead of brake formed presenting a smooth, clean surface for better material flow.
- **OPTIONAL** - Two easily adjustable compression springs have six position settings for variable control of the trip force.
- **OPTIONAL** - Full-width push tube (14% longer than other makes) gives greater blade stability.
- Five moldboard-to-push frame pivot points more evenly distribute push force throughout the entire plow. (Six pivot points on adjustable cutting edge trip).
- 1-1/4" bushings are welded through ribs to provide greater pivot pin bearing surface and enhanced durability.
- Twin reversing cylinders are located above the push frame for protection against road debris.
- Three-position attack angle adjustment (5°, 10°, 20° approx.) to meet all snow and ice removal conditions.
- Moldboard height measures from the road surface to inside of arc - not top of ribs as with some manufacturers.
- Twin 2-1/2" x 6" nitrided hydraulic cylinders are double-acting for heavy-duty power reversing.
- One-piece 1/2" x 6" cutting edge gives extended wear and is bolted on for easy replacement.
- Trip-spring anchor plates are encased and continuous welded to the push frame providing greater strength.
- All parts are continuous welded which minimizes corrosion points.
- All surfaces are high pressure cleaned and degreased with phosphate solution before powdercoat Highway Orange paint. Push frame assembly and hitch components are powder coat painted black.

The Dependable Ones™

MID-SIZE REVERSIBLE SNOW PLOW

TWO MAJOR TYPES OF TRIP DESIGNS TO MEET YOUR PLOWING CONDITIONS

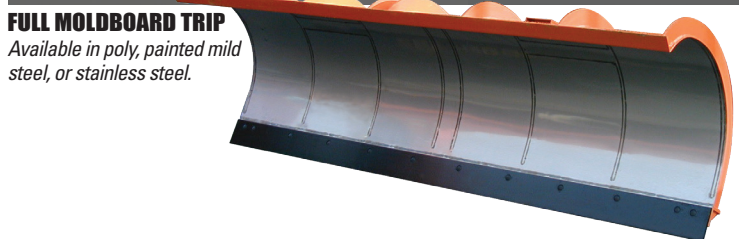
SPECIFICATIONS				
MOLDBOARD	POLY		CARBON OR STAINLESS STEEL	
	STANDARD SHIELD (lbs)	INTEGRAL SHIELD (lbs)	STANDARD SHIELD (lbs)	INTEGRAL SHIELD (lbs)
9'	871	964	920	989
10'	903	1,000	962	1,030
11'	935	1,036	1,004	1,070
12'	989	1,103	1,046	1,112

Weights do not include truckside hitch.



FULL MOLDBOARD TRIP

Available in poly, painted mild steel, or stainless steel.

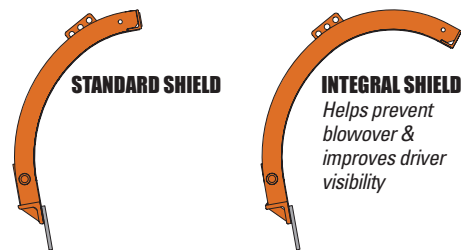


ADJUSTABLE CUTTING EDGE TRIP

- One-piece trip edge with five 3/4" adjustable square torsion springs.
- Zero insertion force for easy and safe spring replacement.
- Each spring features individual three-position trip tension adjustment (wrench included).
- Cutting edge trip design allows for smoother trip action and minimizes shock to the truck chassis and driver.



Available in poly, painted mild steel, or stainless steel.



STANDARD SHIELD

INTEGRAL SHIELD

Helps prevent blowover & improves driver visibility

CUTTING PATH

Cutting path at 35° for a 9' length is 7'4"
 Cutting path at 35° for a 10' length is 8'2"
 Cutting path at 35° for a 11' length is 9'0"
 Cutting path at 35° for a 12' length is 9'10"

MOLDBOARD

- "Level lift" design allows the plow to remain level with road in any position when using Henderson Hitch.
- 10-ga. Grade 50 rolled moldboard with 3/8" x 3" ribs.
- Continuous welded one-piece moldboard.
- Reinforced 3.5" x 3.5" x 1/2" bottom angle.
- 2" x 3" x 1/4" top angle with holes to allow moisture to escape moldboard.
- Two horizontal stiffeners for added rigidity.
- Attack angle is adjustable to approx. 5°, 10° and 20°.
- 1/2" x 6" one-piece cutting edge with AASHO punching is standard.

PUSH FRAME

- Push frame width is 82".
- Semi-circle is 3-1/2" x 3" x 3/8" angle welded to 3" x 3" x 3/8" structural tube.
- Five moldboard-to-push frame pivot points with 1-1/4" bushings pin to two 1/2" mounting ears (four pivot points on adjustable cutting edge trip).

OPTIONS

- Integral shield moldboard
- 3/16" moldboard
- 3/8" WHMV polymer moldboard
- 304 stainless steel moldboard sheet
- Curb bumper (1/2 moon)
- Wraparound curb guard
- Rubber deflector
- Sight markers
- Carbide blades
- Rubber blades
- Electric power unit
- Plow light kit
- Cushion valve
- Various other hitches offered for full-size trucks
- 6" mushroom shoes with shim adjustment or 6" caster wheels with screw jack adjustment

COMPLETE MUNICIPAL SNOW & ICE CONTROL SOLUTIONS

PLOWS • WINGS • UNDERBODY SCRAPERS • SAND & SALT SPREADERS • STANDARD & PRECISION SPINNERS • DUMP BODIES • COMBINATION (MUNICIPAL) BODIES
 BRINE PRODUCTION & MANAGEMENT SYSTEMS • ANTI-ICE SYSTEMS • PRE-WET SYSTEMS • SLURRY SYSTEMS • COMPLETE TURNKEY PACKAGES



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