

Henderson®

SDHWING

SEVERE-DUTY HYDRAULIC LEVELING WING

Severe-duty Benching and Shoulder Clearing Performance

The SD Severe-Duty Hydraulic Leveling Wing is made with the same solid design features and build quality as with the complete Henderson snow & ice control product line. This starts with the formed 7-gauge steel moldboard for superior wear and increased strength to withstand brutal winter conditions. Continuous welds are used exclusively, including the ribs and backer angle for added structural support.

The SDH Leveling Wing is easily deployed to reduce crew fatigue. Three hydraulic cylinders provide complete fingertip control of the moldboard heel and toe. This allows excellent benching control for varying conditions.

From the 7-gauge reservoir to the nitrated hydraulic piston rods, no detail has been overlooked. We even provided a 10-gauge completely enclosed valve cabinet to protect the hydraulic valves from the environment. The SD Severe-Duty Hydraulic Leveling Wing is a true workhorse!



The Dependable Ones™

All photos shown with optional equipment.

FEATURES & SPECIFICATIONS

SPECIFICATIONS

SDH	10'	11'	12'	13'
MOLDBOARD	7-GA.	7-GA.	7-GA.	7-GA.
LENGTH OF CUTTING EDGE	10'	11'	12'	13'
LENGTH OF MOLDBOARD	11'	12'	13'	14'
HEIGHT OF MOLDBOARD AT NOSE END	29"	29"	29"	29"
HEIGHT OF MOLDBOARD AT DISCHARGE END	38"	39"	40"	41"
ADDITIONAL PATH CLEARED	62"	69"	76"	82"
WEIGHT OF WING ONLY	1060 LBS	1160 LBS	1260 LBS	1360 LBS
TOTAL WEIGHT (WING/F&R MAST/ MOUNTING HARDWARE)	3480 LBS	3580 LBS	3680 LBS	3780 LBS

* Mounting configuration must be considered prior to ordering leveling wing to ensure proper additional path cleared.

** Weight will vary depending on wing configurations.



- Up to 60" benching capability.
- Available in 10', 11', 12' and 13' cutting-edge lengths. All have 1/2" x 8" center-punched reversible blades.
- The front mast is designed around an 8" structural I-beam, while the rear mast is constructed of 12" structural I-beam providing superior strength - among the heaviest in the industry to withstand the most rigorous snow conditions.
- The front mast includes a 70" long beam and a 3-1/2" x 60" stroke cylinder which allows 60" of front mast vertical travel. The rear mast has 60" of travel.
- The front mast is removable from the chassis to lighten the front-axle load by approximately 500 lbs to lessen wear and tear on the truck chassis.
- The oil reservoir and valve enclosure are integrated into the rear cabinet mounted directly behind the cab for efficient utilization of space.
- The moldboard has two attachment points for adjusting the clearance/overlap between the wing and the plow moldboards.
- One moldboard shoe is standard on the discharge end of the wing. Additional shoes are optional.
- Nitrided cylinders are standard which provides for improved corrosion resistance and enhanced performance characteristics. Nitriding is superior to chrome plating and will not crack or peel.
- All metal surfaces are high pressure cleaned and phosphate washed before application of high-quality catalyzed primer. Moldboard is painted with Highway Orange enamel. Mast and other mounting components are powdered-coated black.

SPECIFICATIONS

FRONT MAST

- 60" benching capability
- Attaches to front-mounted plow hitch for ease of removal
- Fabricated from 8" structural I-beam
- 3-1/2" x 1-1/2" x 60" stroke double-acting hydraulic cylinder with 68" front slide travel

REAR MAST

- Straight or canted beam assemblies available
- Fabricated from 12" structural I-beam
- 3-1/2" x 1/2" x 19" stroke hydraulic cylinder lifts heel of wing

RESERVIOR

- 32-gallon capacity, mounted on rear wing post support behind chassis cab
- 7-gauge steel construction

MOLDBOARD CONSTRUCTION

- Continuous welded with 29" height at intake, 37" - 41" at discharge depending on length of moldboard
- Standard cutting edge is 1/2" x 8" C1090 one-piece AASHO center punch
- Overall moldboard is one foot longer than the cutting edge
- Height (lead edge): 29"
- Moldboard is formed of 7-gauge steel with 8 flame-cut ribs for extra strength (additional ribs available)
- Top angle: 2-1/2" x 2-1/2" x 3/8" structural angle
- Moldboard is further reinforced by two full-length horizontal braces made of 3-1/2" x 3-1/2" x 1/2" structural angle

OPTIONS

- 304 stainless steel moldboard
- Carbide cutting edges
- Additional moldboard shoes
- Wing shoes for the nose end of the cutting edge
- Additional drive rib on 11' - 13' cutting edge lengths
- Sight markers
- Full moldboard trip

COMPLETE MUNICIPAL SNOW & ICE CONTROL SOLUTIONS

PLOWS • WINGS • UNDERBODY SCRAPERS • SAND & SALT SPREADERS • STANDARD & PRECISION SPINNERS • DUMP BODIES • COMBINATION (MUNICIPAL) BODIES
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