Henderson

SMARTLINK™

PATENT NO. 9353495

The Future of Wing Masts

Traditional wings and their masts have limitations such as binding between mast and slide, a mere 6" to 8" of float, wing kick that often damages cabs and the fact that the mast and cross tube have to be built strong enough to withstand extreme side load forces during operation. Smart Link eliminates the issues by combining float and rotation abilities to provide the moldboard with a natural trip.

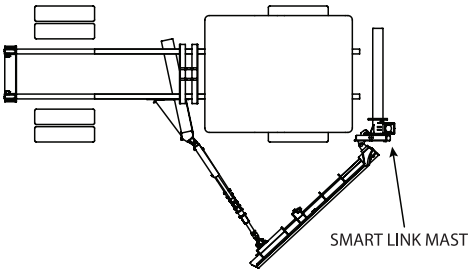
A wing fitted with a Smart Link mast enjoys effortless conformance to varying road conditions: virtual loss of toe dig, the elimination of mast/slide binding, the elimination of violent wing kick, a huge reduction in applied side load forces and 11" of float. The Smart Link's low profile design immediately improves a driver's line of vision, offers easy access to the engine compartment and allows for mounting behind the cab. The Smart Link fits conveniently underneath most municipal body styles.

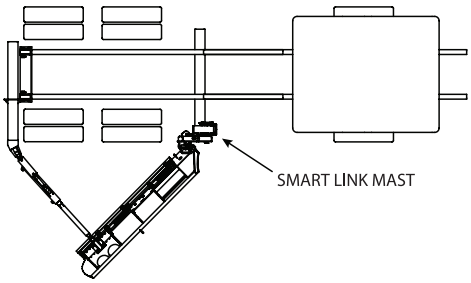
It's time to experience wing plowing at its best. It's time to demand more from your snow and ice control equipment. It's time for Smart Link.

The Dependable Ones™

ROTATIONAL FLOATING WING MAST

FEATURES & SPECIFICATIONS





INSTALLATION OPTIONS

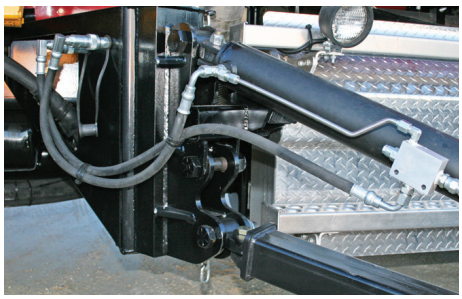
The Smart Link offers customers three possible installation positions: one in front of the cab and two behind the cab. Behind the cab installation is unique to the Smart Link thanks to its unmatched low profile design. The Smart Link easily tucks underneath a municipal body, without interference.

REAR HEEL LIFT

See possible push arm configurations for the rear heel lift (RHL) under specifications.

FRONT HEEL LIFT

See possible push arm configurations for the front heel lift (FHL) under specifications.

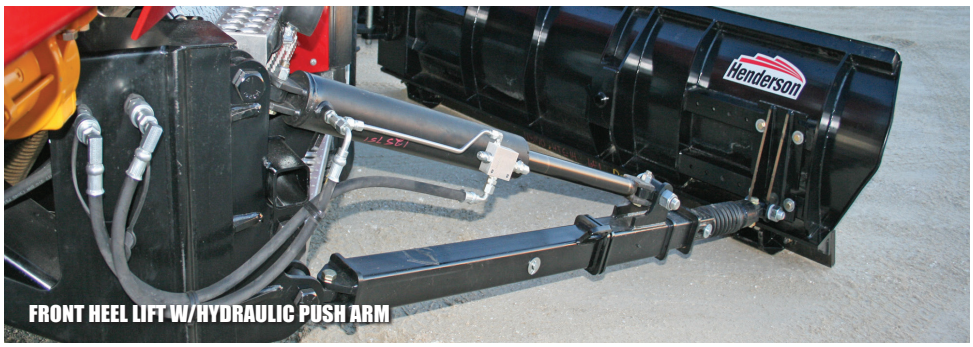


PUSH ARM SUPPORT

The push arm support for the rear heel lift can be seen above. The push arm support for the front heel lift can be seen below.

ADJUSTABLE RIBS

5-position adjustment. Simplifies installation and the ability to maintain a 90° angle between push arm and moldboard at full extension.



FRONT HEEL LIFT W/HYDRAULIC PUSH ARM

SPECIFICATIONS

MAST

- Dimensions: 20" x 30" x 28" x 1/4" formed and welded channel. Moldboard dee to center line of the truck is 54". Mast to cheek plate is 16-1/2". Lift arm extends up to 59-1/2" above the ground.
- Cheek Plates: 19" x 35" x 1/2"
- Mounting Tube: 7" x 5" x 3/8"
- Type: rotational float
- Toe Float: 11" total float & 32° rotation
- Heel Float: 20" min., total float
- Locking Pin: 1" x 6-1/4" with handle, used when wing is folded or not in use
- Lift Arm: 3" x 5" x 3" x 1/4" formed channel with 1/2" x 3" x 20" lifting link
- Lift Cylinder: double acting 1-1/2" nitrided rod, 3" bore and 10" stroke
- Connecting Pin: 1-1/2" x 12" with handle for easy connect and disconnect.

PUSH ARM CONFIGURATIONS

- RHL: square tube with mechanical float (67" min. to 85" max.) and no shock spring. Lift cylinder is double acting with a 2" nitrided rod, 3-1/2" bore and 21" stroke.
- RHL: square tube with mechanical float (80" min. to 98" max.) and shock spring. Lift cylinder is double acting with a 2" nitrided rod, 3-1/2" bore and 21" stroke.
- RHL: square tube that hydraulically extends and retracts (68-1/2" min. to 89-1/2" max.). Extend cylinder is double acting with a 2" nitrided rod, 3" bore and 21" stroke. Lift cylinder is double acting with a 2" nitrided rod, 3-1/2" bore and 21" stroke.
- FHL: round tube with 3-1/4" OD (65-1/2" min. to 83-1/2" max.) and shock spring.
- FHL: hydraulic cylinder is double acting (46-1/2" min. to 74-1/2" max.) with a 3" nitrided rod, 4" bore and 28" stroke.

OPTIONS

- Moldboard: works with all HWS moldboard lengths (8' to 12'), profiles and options.
- Heel Lift: front or rear. Front heel lift cylinder is double acting with a 2" nitrided rod, 4" bore and 10" stroke.
- Installation: front-mount, mid-mount or rear-mount.

COMPLETE MUNICIPAL SNOW & ICE CONTROL SOLUTIONS

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BRINE PRODUCTION & MANAGEMENT SYSTEMS ▪ ANTI-ICE SYSTEMS ▪ PRE-WET SYSTEMS ▪ SLURRY SYSTEMS ▪ COMPLETE TURNKEY PACKAGES

As a ***custom manufacturer*** of truck bodies, truck equipment and brine systems, additional product options may be available that are not shown here.

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