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HIGHLANDER® SPREADER

TARCO®



SNOW & ICE CONTROL SPREADERS

All purpose conveyor-type V-Box Spreader for salt, chloride, mixtures and chips.

FEATURES

HIGHLANDER® SPREADER

The Highlander® Spreader, manufactured by Loughberry Mfg. Corp., is a perfect solution for the ice and snow control professional. This model provides spreading accuracy for maintenance applications of salt, sand, mixtures and chips. The TARCO® rugged, all purpose conveyor-type V-box spreader is available in 8 feet through 16 feet lengths to fit a variety of snow fighting trucks.

Highlander® Spreaders are manufactured to the same high Loughberry quality specifications as all other TARCO® brands. Standard features include a tip up spinner assembly, heavy duty top screens, one piece hopper construction and a stainless steel light bar package. The Chevron Conveyor Chain System is optional.

Loughberry's exclusive Chevron Conveyor performs with "strike zone" direction control. It is easy to adjust or change and best of all, it eliminates waste. The Chevron Conveyor offers a more controlled spread – providing an even, non-pulsating flow regardless of conveyor speed, material consistency or temperature.

POWER UNITS

Model HL-HY2 This unit is a high torque, low speed hydraulic motor coupled to a cast iron 50:1 or 25:1 right angle gear box. A separate hydraulic motor is directly coupled to the spinner.

Model HL-HY3 This unit is equipped with dual hydraulic motors driving both ends of the conveyor drive shaft with a roller drive at 50:1 reduction. A separate hydraulic motor is directly coupled to the spinner.

Model HL-G-HY2 This unit is powered by a self contained hydraulic system equipped with a 23 HP gasoline engine, hydraulic pump and oil reservoir. A hydraulic motor is coupled to a cast iron 50:1 or 25:1 right angle gear box.

HOPPER BODY CONSTRUCTION

The hopper body has fully welded sides and end sheets and is constructed of 10 gauge steel with options for 7 gauge steel, Cor-Ten or stainless steel. It is equipped with an adjustable rack & pinion discharge gate with a rubber seal. The wear plate is constructed of 3/16" thick abrasion resistant steel and is easily replaceable. The hopper top edge is channel formed for strength and the sides are sloped at 45° to insure free flow of material. The hopper sides and conveyor are formed

with one sheet of steel to eliminate the potential for rust at horizontal welded seams, which adds to spreader life. Additional structural strength is provided by brake formed side support gussets, 7 gauge channel cross sills to support the conveyor and side supports. Four (4) hopper lift loops and dump body hold down equipment are supplied with the spreader. Steel units are properly cleaned and primed before yellow enamel paint is electrostatically applied. As an option, your choice of finish color may be specified in place of yellow. Stainless steel units are left unpainted.

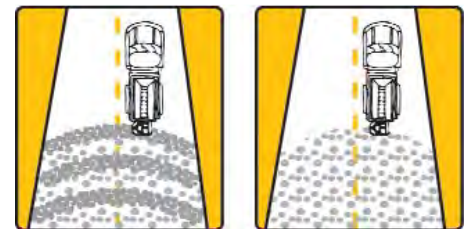


Chevron Conveyor System

The Chevron Conveyor is 24" wide to eliminate material bridging. Tensile strength – 21,000 lbs. The Chevron Conveyor System's bar and chain construction continuously feeds material to the spinner disc for an even spread pattern.

CHEVRON CONVEYOR

The bar flight design is 24" wide with flight dimensions of 3/8" x 1.5" cross sections. The conveyor has a pintle side link chain with 2.25" pitch and 21,000# tensile strength per strand. Conveyor chain side links are protected by chain aprons. Drive sprockets are 8 tooth cast iron, keyed to a 2" diameter drive shaft. The spring loaded front idler assembly with roller has 4" of adjustment, no sprockets required. This reduces wear and tear on the conveyor chain. Drive and idler shafts are supported in flange type grease able bearings.



Chevron Spread Pattern

The image on the left illustrates the uneven spread pattern typical of an ordinary bar conveyor. The Chevron Conveyor provides an even spread pattern with "strike zone" direction control, as seen in the illustration on the right.

OPTIONS



Top Screen

Heavy duty top screens are constructed of 3/8" diameter rods welded to 1/4" x 2" bars on edge to form 2 - 1/2" square openings. These screens are securely hinged to the central longitudinal member with 3/4" diameter pins.

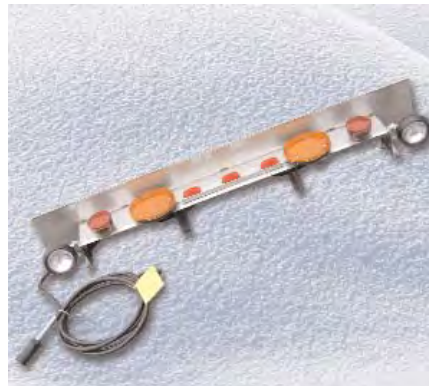
SPINNER ASSEMBLY

The spinner disc is 20" in diameter with six (6) bolt-on vanes (polyurethane disc is optional). Spread pattern is controlled by adjusting the angle of the stainless steel discharge chute (requires no tools). The hydraulic motor is direct coupled and installed under the disc. The distributor chute assembly is fully enclosed and has two (2) internal baffles to provide the desired spread pattern to the left, right or directly behind the spreader. Four (4) deflectors are provided to regulate the pattern of material being spread from 8 feet to 40 feet.



Tip Up Spinner Assembly

Spinner assembly is easily tipped up between storms for unloading unused material or for flat storage in the summer months.



Light Bar

The 58" assembly is constructed from 14 gauge 300 series stainless steel and consists of a center cluster of three (3) red lights, two (2) stop/directional lights, two (2) amber 7" diameter flashers and two (2) white 4" diameter adjustable spot lights.

• Top Mounted Spinner Motor(s)

• Catwalks

• Conveyor Bridge

• Hopper Extensions

• Polyurethane Wear Plate – Bolt-in

• Polyurethane Spinner Disc

• Liquid Systems

• Tailgate Locking Bar

• Chassis Mounting Package

• Fork Lift Sockets

• Dual Spinner Assembly

• Chevron Conveyor

Loughberry Mfg. Corp.
manufactures a variety of:

- Snow and Ice Equipment
- All Season Dump Bodies
- and Leaf Loaders

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SPECIFICATIONS

| Hopper Length | Level Capacity | Width | Height | Length O.A. (approx) | Level Capacity with Hopper Extensions | | | | | |
|---------------|----------------|-------|--------|----------------------|---------------------------------------|------|------|------|------|------|
| | | | | | 2" | 4" | 6" | 8" | 10" | 12" |
| 8' | 5.0 | 80" | 52" | 10' | 5.2 | 5.5 | 5.9 | 6.2 | 6.5 | 6.9 |
| 9' | 5.5 | 80" | 52" | 11' | 5.9 | 6.2 | 6.6 | 7.0 | 7.4 | 7.7 |
| 10' | 6.1 | 80" | 52" | 12' | 6.5 | 6.9 | 7.3 | 7.7 | 8.2 | 8.5 |
| 11' | 6.8 | 80" | 52" | 13' | 7.3 | 7.7 | 8.0 | 8.6 | 9.1 | 9.4 |
| 12' | 7.3 | 80" | 52" | 14' | 7.9 | 8.4 | 8.7 | 9.4 | 9.9 | 10.2 |
| 13' | 8.0 | 80" | 52" | 15' | 8.5 | 9.1 | 9.6 | 10.1 | 10.7 | 11.2 |
| 14' | 8.7 | 80" | 52" | 16' | 9.3 | 9.9 | 10.4 | 11.0 | 11.6 | 12.2 |
| 15' | 9.3 | 80" | 52" | 17' | 9.9 | 10.5 | 11.2 | 11.8 | 12.4 | 13.0 |
| 16' | 10.0 | 80" | 52" | 18' | 10.5 | 11.2 | 11.9 | 12.5 | 13.2 | 13.9 |

Other sizes and dimensions are available upon request.

Note: To figure the load any model will carry, use these approximate material weights:

1 cubic yard dry salt: 2200 lbs & 1 cubic yard wet sand: 3300 lbs.

Shown on brochure cover: Model HL-HY2-10 constructed of type 304 stainless steel.

Distributed By:

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