



TGS

Mild or Stainless Steel...for Peerless Performance Under All Conditions

Slick conditions, call for fast reaction times. Henderson's TGS is a hassle-free tailgate spreader that turns nearly any dump body into a full-scale sand and salt spreader. 100% cab controlled, the TGS offers lightning fast installation times, is built around a low maintenance design and will not interfere with normal dumping operation.

The TGS is constructed of mild or stainless steel, is available in 6" or 9" auger configurations, is powered by a hydraulic or 3/4 hp electric motor and has the option of adding a slurry generation tube.

Need precision casting capabilities? No problem. Simply substitute the basic spinner with the optional Direct Cast spinner. The Direct Cast spinner offers on-the-go directional control and is capable of covering up to 3 lanes.

When you're ready, the TGS is ready to turn your ordinary dump body into a top flight deicing machine. TGS...for unsurpassed snow and ice control that helps you keep your budget in line!



- Hydraulic driven auger is available in 6" or 9" diameters to fit various applications. The 9" diameter auger virtually eliminates bridging of material.
- Discharge opening has an anti-flow cover to prevent loss of material while auger is stopped. Cover is easily removed without tools. Quick release closures for fast and easy clean out.
- Heavy-duty 6" auger has bidirectional flighting to feed material from both sides of the trough. Assures even unloading of dump body. 9" auger is continuous flight.
- A polyurethane hub is utilized at both ends of the auger to eliminate seizing and ensure ease of maintenance.
- Polyurethane disk is 18" in diameter with six formed fins.
- **OPTIONAL** - now available with 3/4 HP electric motor (6" auger only). Can be used as a stand-alone or packaged with the Charge Clean-Power Series.
- **OPTIONAL** - dual flow, pressure compensated control valve offers independent control over spinner and auger motors.
- Trough has quick-connect mounting pins for fast removal without tools. End plate have chain key slots to assist in fast and easy mounting.
- Full width hopper is hinged with bolt-type pivots to prevent seizing.
- Hydraulic safety interrupt disengages auger when either cover or trough is opened.

The Dependable Ones™

TAILGATE SPREADER

FEATURES & SPECIFICATIONS

SPECIFICATIONS & CAPACITY CHART

	6" AUGER	9" AUGER
Height (with spinner)	31.25 or 33.5"	33.25 or 35.5"
Height (without spinner)	19.25"	22.75"
Width (with spinner)	19.25"	21.5"
Width (without spinner)	17.25"	19.0"
Overall Length (approx.)	96.0"	96.0"
Unit Weight (approx.)	550 lbs.	600 lbs.
Spinner Diameter	18.0"	18.0"
Spinner RPM	550 max.	550 max.
Trough Material	7-gauge	7-gauge
End Plates	.25"	.25"



GENERAL

A self-contained tailgate spreader for mounting on standard and utility model dump trucks and is hydraulic driven. Material is spread by a choice of two models, 6" or 9" auger diameters.

Mild steel units are painted orange and stainless steel units are unpainted.

TROUGH

Seven (7) gauge trough and rear panel, 1/4" end plates with all seams continuous welded. Clean out door opens to the front, providing easy access to the auger. Safety interrupt has been built-in, shutting down hydraulic flow to the auger while door is open. No tools required for opening the clean out door. Overall length of trough is 96" to fit most dump bodies. Optional mounting brackets are available for narrower dump bodies. Spreader does not interfere with normal operation of dump body and tailgate.

On optional stainless steel units, all hardware is stainless steel and complete unit is unpainted for long lasting maintenance-free appearance.

TROUGH MOUNTING

Spreader has quick disconnect mounting pins so trough can be easily removed. End plates have chain key slots to assist ease of mounting. Assembly includes end spill shield to eliminate material loss between dump body and spreader.

AUGER

The 3/8" thick heavy-duty auger flighting is welded to a 2-1/2" O.D. Schedule 40 pipe. Auger is supported by a 1-1/4" diameter shaft with provisions for speed sensor attachment. Auger shaft utilizes a polyurethane bushing at each end to eliminate seizing and aid in maintenance.

Anti-flow plate is provided to prevent loss of free flowing material while auger is stopped. Hopper on 9" auger unit has an auxiliary opening on the curb side for high volume shouldering applications.

- 6" Diameter Auger is a bi-rotational flight
- 9" Diameter Auger is continuous flight
- Direct Drive 6" - auger is driven by a high torque, low speed 18.7 C.I.R. hydraulic motor
- Direct Drive 9" - auger is driven by a high torque, low speed 45.6 C.I.R. hydraulic motor
- Gearcase Drive - auger is driven by a high torque, low speed 5.9 C.I.R. (6" auger) or 9.7 C.I.R. (9" auger) hydraulic motor. Motor is directly coupled to worm-type gearbox. Gearbox has a thru-shaft for speed sensor input.

OPERATION PROTECTION

When the top cover or bottom trough are opened, the Hydraulic Safety Interrupt stops the flow of hydraulic fluid to the auger motor. Interruption of hydraulic fluid immediately stops the auger. Another innovative safety feature from Henderson.



SPINNER ASSEMBLY

Polyurethane spinner disk is 18" in diameter with six formed fins. Spinner assembly is directly driven by a high torque 2.8 C.I.R. hydraulic motor. The motor is mounted beneath the spinner. Spinner assembly is mounted on the left center of the trough. Adjustment for variation of spread pattern can be made from right to center, center to left and remain parallel to the road at all dump body angles. Vertical adjustment of spinner allows for proper fit with different size chassis/dump bodies. A stationary shield in front of the spinner protects the undercarriage from thrown material. An adjustable baffle (optional) restricts the spreading width and direction - left to center to right.



Spinner assembly is self-leveling regardless of dump body angle, without the need for a stabilizer bar. It is adjustable both vertically and horizontally. Vertical adjustment allows for fit to different chassis/dump body sizes, while the horizontal adjustment allows for changes in spread pattern.

OPTIONS

- Hoses, fittings and couplings
- Control valve
- Ground speed control system
- Mounting brackets for 92" wide dump bodies
- Mild or stainless steel
- Highway yellow paint
- Adjustable spinner baffle to direct spread - (center/left/right)
- 20 gal. hydraulic reservoir with filter, sight/temperature gauge and mounting brackets
- Stabilizer bar kit
- Full L.H. center discharge or dual spinners
- Diverter chute for shouldering with 9" spreader
- Pre-wet application kit



OPTIONAL: Direct Drive

Hydraulic motor is directly coupled to auger via steel hub with a poly insert for maximum efficiency and ease of maintenance.

OPTIONAL: Gearcase Drive

5:1 worm gear reduction with hydraulic motor directly attached. Gearbox has thru-shaft for speed sensor input.



OPTIONAL: Electric Motor

3/4 HP electric motor (6" auger only) can be used with the basic variable speed control or packaged with the CHARGE Clean-Power Series. The motor housing is totally enclosed and constructed of stainless steel. Electronics are housed in 4x NEMA enclosure. Spinner speed is controlled independently with an electric spinner motor.



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



© Henderson Products, Inc., A division of Douglas Dynamics, L.L.C., reserves the right in pursuit of continuous product improvement to change specifications used herein. As a custom manufacturer of truck bodies, truck equipment and brine systems, additional product options may be available that are not shown here.



1085 S. Third Street, Manchester, IA 52057
Toll Free: (800) 359-4970
www.HendersonProducts.com

Sourcewell 
CONTRACT: 080818-HPI



HP-070 05/20