

## Mild or Stainless Steel...for peerless performance under all conditions.

When you've got slick conditions and you need to handle the situation fast, depend on the Henderson TGS to get the job done hassle-free. Fabricated from mild or stainless steel and rugged construction let you concentrate on spreading materials...not maintenance. The TGS is ready to go when you are.

The Henderson TGS tailgate spreader is designed to fit most standard and utility dump bodies and attaches in minutes without the use of special tools. There's plenty of

flexibility to meet the conditions with individual hydraulic spinner and auger motors controlled from the cab. To even further meet your needs, the TGS is available with 6" or 9" augers and is available in mild or stainless steel.

The unit does not interfere with normal hauling or dumping operations so it can stay mounted all season long, ready for instant duty.

For unsurpassed snow and ice control that helps you keep your budget in line, get peerless performance from...

*The Dependable Ones™*



All photos shown with optional equipment.

- 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 standalone 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.

# FEATURES & SPECIFICATIONS

## SPECIFICATIONS & CAPACITIES

	6" Auger	9" Auger
Height (with spinner)	31.25 or 33.5 in.	33.25 or 35.5 in.
Height (without spinner)	19.25 in.	22.75 in.
Width (with spinner)	19.25 in.	21.5 in.
Width (without spinner)	17.75 in.	19.0 in.
Overall Length (approx.)	96.0 in.	96.0 in.
Unit Weight (approx.)	550 lb.	600 lb.
Spinner Diameter	18.0 in.	18.0 in.
Spinner RPM	550 max.	550 max.
Trough Material	7 ga.	7 ga.
End Plates	1/4"	1/4"



### 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. This helps protect the spinner if driver backs into an obstacle. 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



### DIRECT DRIVE - OPTIONAL

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

### GEARCASE DRIVE - OPTIONAL

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



### ELECTRIC MOTOR - OPTIONAL

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.



### EXTENDED END PLATES - OPTIONAL

Extended height end plates function as built-in spill shield, further reducing the number of parts necessary for clean and seamless operation.

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