

Distribute materials all year long with the same spreading system.



## The TG-505 System

The TG-505 System is a hydraulic driven, roll-type spreader that effectively spreads sand, salt, cinders, gravel or other material up to a 1-inch diameter and a 3-inch depth.

The standard spreader width is 8 feet and it fastens to the back of any standard 7' 6" or 8' wide dump truck body. The depth of spread is controlled by the single lever on the keyboard with hydraulic, fine adjustment on the speed of the feed roll. Nearly any desired amount of material per square yard can be spread.

When the TG-505 System is being used for snow and ice control, the spreader can be adjusted to spread as little as 75 pounds of de-icing chemicals per mile to any desired amount. In any season, the material in the dump truck can be emptied over top of the spreader without detaching the spreader from the dump body.

Once the depth is set, the System is operated by one lever in the cab of the truck. The hydraulic drive permits spreading while the truck is moving forward or backward.



# FEATURES

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- Combination seal-coating and ice control spreader
- One man operation
- Standard quick disconnect pins
- Spreads salt, sand, cinders, gravel, or other materials
- Hydraulically operated
- Mounts to any dump truck body
- Even flow of material over entire spreader width
- Height: 20" Length: 24" Width: 7' to 8'
- Fits any 7' 6" or 8' wide outside dimension standard dump truck body
- Sectionalized, riveted keyboard which meters the spread and eliminates hand patching
- Hopper - all welded steel construction with full 8' spread, also available in stainless steel
- Spreads from 75 pounds per mile to any desired amount or from feather edge to 3" depth



# SPECIFICATIONS

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## Hopper

The hopper is all welded steel; 7 gauge ends and 10 gauge main panels. The hopper is 96" wide, 20" high, and 15-1/2" long. Two 10 gauge steel formed plates are attached to the ends of the dump body tailgate, to prevent material spilling through those openings while the tailgate is open. The spreader is attached to the dump body at both ends of the hopper with hangers and hitch pins.

## Feed Roll

The 96" long feed roll is constructed of 6" diameter steel tubing, 3/16" wall, and is supported at each end with self-aligning rolling element bearings. The outer surface of the feed roll has lugs that promote a uniform flow of material from the spreader. The feed roll is driven by a hydraulic motor through enclosed sprockets and roller chain.

## Metering

Material flow from the spreader is metered by six spring steel keyboard segments made of 1" wide fingers riveted to a support plate. Each segment is bolted to a keyboard shaft and can be quickly removed for service. The fingers provide constant agitation of the material, produce uniform flow, and permit a uniform deposit of material over the entire width of spread. The fingers also allow oversize objects to pass through, eliminating streaks.

## Depth Control

The volume of material is determined by the tension of the keyboard fingers against the feed roll and by the speed of the feed roll. Finger tension is changed by rotating the keyboard shaft with a control handle and fine tooth ratchet. Feed roll speed is adjustable by varying the hydraulic oil flow. The spreader is capable of spreading as little as 75 pounds of salt per mile and can distribute a feather edge up to a 3" thick layer of other material.

## Paint

The hopper, sprocket cover, and other components are thoroughly cleaned and given two coats of rust inhibiting primer and two coats of Omaha Orange finish.

## Hinged Hopper Cover

A hinged hopper cover prevents unwanted material from filling the hopper when the spreader is not being used. The hopper cover also functions as a back stop to prevent spillage at the rear of the hopper.