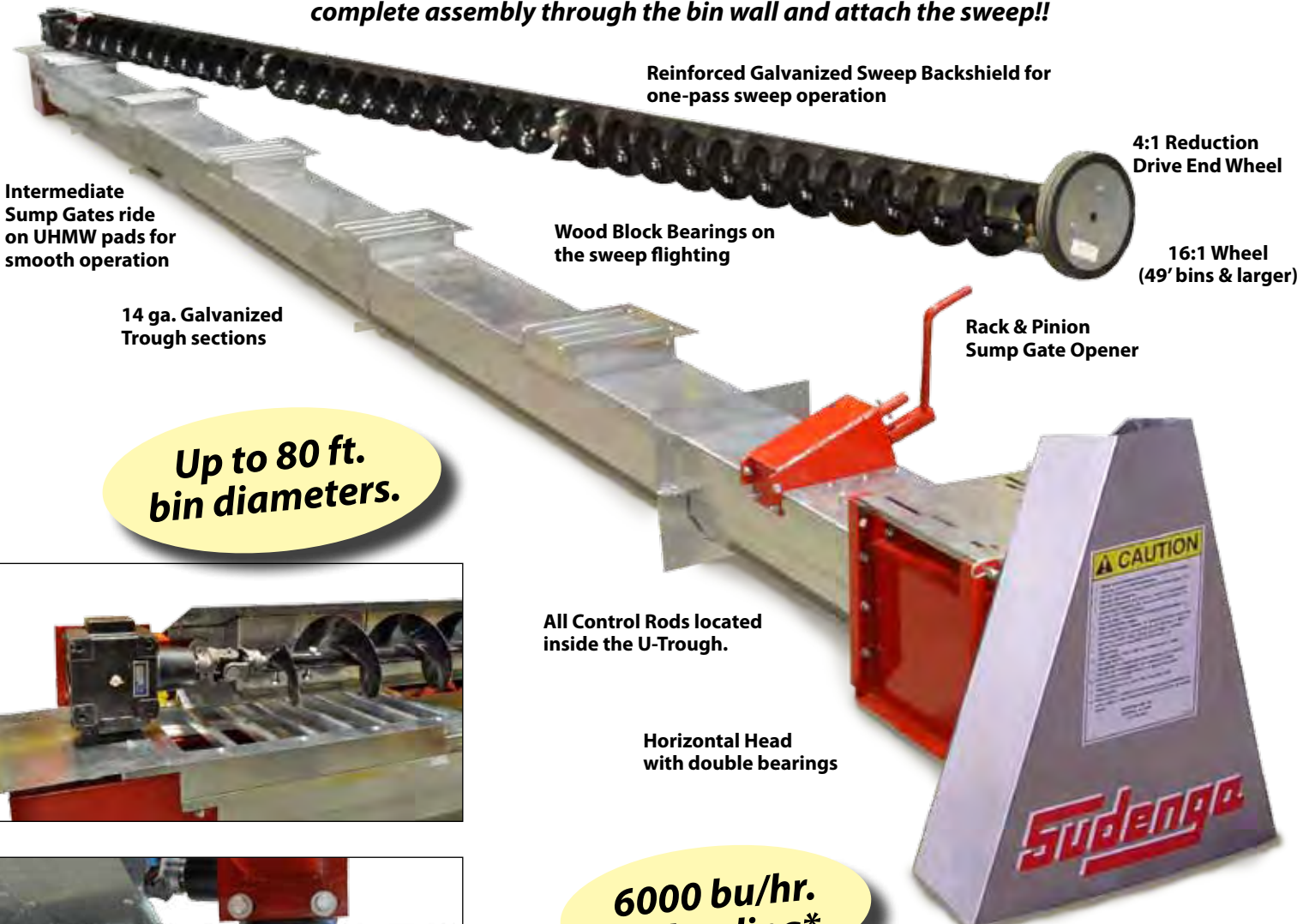


Internal sweep engagement controls

## Easy Installation -

The center sump is part of the U-Trough. All controls are internal. Just slide the complete assembly through the bin wall and attach the sweep!!



Reinforced Galvanized Sweep Backshield for one-pass sweep operation

4:1 Reduction Drive End Wheel

Intermediate Sump Gates ride on UHMW pads for smooth operation

Wood Block Bearings on the sweep flighting

16:1 Wheel (49' bins & larger)

14 ga. Galvanized Trough sections

Rack & Pinion Sump Gate Opener

**Up to 80 ft. bin diameters.**

All Control Rods located inside the U-Trough.

Horizontal Head with double bearings

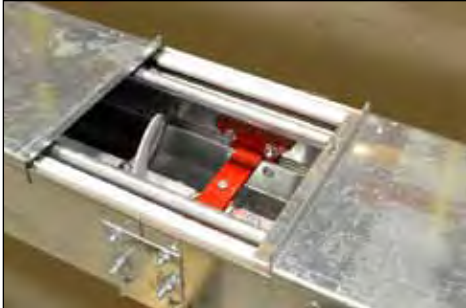


Horizontal and 27° Inclined Unloaders

**6000 bu/hr. Unloading\***



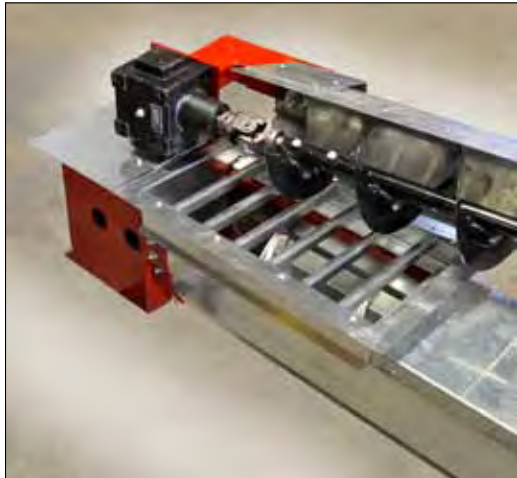
**Heavy Duty Double Gearbox Sweep Drive**  
Internally controlled engage/disengagement for the sweep auger. The gearboxes are oil-bath types with 1 1/4" shafting.



**Wood Hanger Bearings**  
Bearings are placed at the sumps for easy access. Flightings and bearings can be removed as a unit, with the bearing hangers sliding on ledges in the trough. Bearings are self-seating.

\*Underbin capacity only. Capacity is reduced when the sweep is in operation.

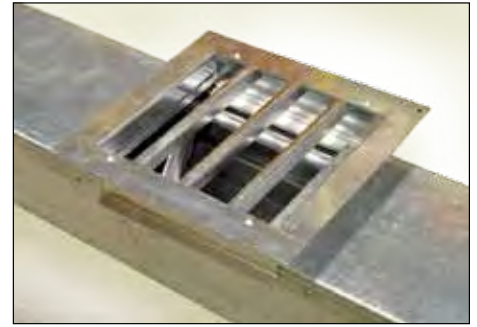
# U-Trough Power Sweeps



## Center Sump

UHMW pads provide easy gate movement.

If the Center Sump plugs during the first phase of emptying the bin, the Intermediate Sump nearest the Center Sump can be opened by turning the control halfway, providing a "near center" drain point. The remaining Intermediate Sumps can then be opened to uncover the sweep auger.

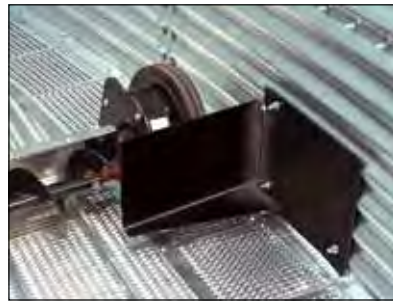


## Intermediate Sumps

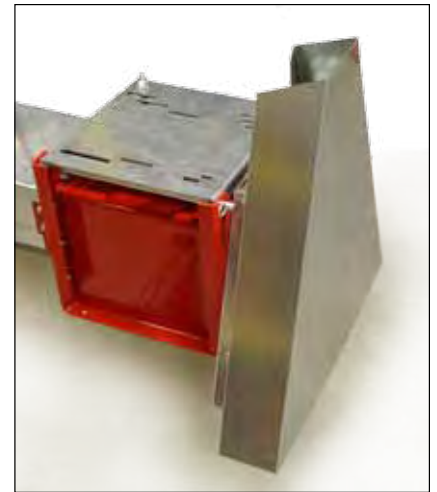
UHMW pads provide easy gate movement. Adjustable top flanges accommodate uneven floors.



**Rack & Pinion Gate Opener** - with angled crank. Less effort than vertical or horizontal cranks. No skinned knuckles.



**Sweep Stop** - Limits the sweep to one revolution. The Stop swings back, allowing the Sweep to be moved forward over the sumps before refilling the bin.



**Horizontal and 27° Inclined Unloading Augers.** Motor mount simplifies motor installation and belt tensioning. Accepts motors to 30 HP.



**16:1 Reduction Wheel** - Standard in bins 49½' and larger. Replaceable urethane tread. 85% more traction and 3 times the work life of standard wheels. Self-cleaning foot. Wheel backshield cleans close to bin wall.



Wheel is available as a retrofit for Sudenga 10" U-Trough Sweeps with this backshield profile.

## Specifications

| Auger Dia. | Trough | Flighting | Flight Pipe OD-ID        |
|------------|--------|-----------|--------------------------|
| 10"        | 14 ga. | ¼" ga.    | 2-7/8" - 2" <sup>1</sup> |

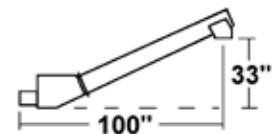
<sup>1</sup> Collared down to 1½" ID

## Capacities\*

| Unloading Auger | Capacity   |
|-----------------|------------|
| Horizontal      | 6000 Bu/Hr |
| Incline         | 5200 Bu/Hr |

\*Capacity is reduced when sweep is operating.

## Incline Dimensions



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