

U-TROUGH UNLOADS

Norstar U-Trough Unloads are designed to provide you with unmatched clean-out efficiency and safe operation for bin diameters ranging from 14' to 78'. Norstar offers two distinct unload models: the U-Trough FS and the U-Trough EX. Each of our models boast unique features that increase your efficiencies whatever your workload requirements may be. From the Widemouth Center Sump, to the SureGrip™ gear reduction wheel, Norstar U-Trough Unloads stand out in the industry by combining market-leading quality with market-leading results.

SCAN HERE TO FIND OUT MORE ABOUT OUR U-TROUGH UNLOADS



MAXIMUM GRAIN FLOW

Norstar unloads feature our Widemouth Gate as a standard feature. The extended width of the center gate maximizes 360° grain flow as the sweep circles the bin, providing greater capacity at the center sump. Norstar also offers a Clump Breaker option that helps prevent clumping of the grain and clogging of the sump during unload.

LONGER LASTING, MORE EFFICIENT FLIGHTING

Norstar utilizes an innovative flighting system on its unloads and augers. This Premium Flighting features a thicker outer edge and a smooth transition to the inner auger face that provides greater capacity and a longer lifespan. The thicker outer edge of the auger promotes a greater grab on the product, allowing you to move up to 90 BPH more than with traditional flighting. The smooth transition of the inner auger faces decreases wear and tear on the flighting and helps increase the auger's lifespan by over 50%.

POSITIVE TRACTION

Experience increased sweep traction with Norstar's SureGrip™ Gear Reduction Wheel. Featuring an 18" vulcanized rubber design, the SureGrip™ wheel provides 16:1 gear reduction, promoting positive traction and continuous forward motion of the sweep.



INTRODUCING THE 14" U-TROUGH UNLOAD

Looking for more capacity during gravity unload? Norstar's new 14" U-Trough is designed to give you greater throughput with capacities of over 10,000 BPH. This groundbreaking increase in size is a cost-effective solution to achieve capacities traditionally reached only by under-bin conveyors. Norstar's Commercial Express Sweep is compatible with the 14" U-Trough EX model, providing greater sweep power and capacity following a gravity-fed unload.



U-TROUGH FS

The U-Trough FS (Farm Series) model is Norstar's standard unload. It is designed for light to medium farm duties and is compatible with bins ranging from 14' to 50' in diameter. The FS boasts capacities of up to 8,170 BPH*.

**capacity is based on 504 RPM and is dependent on condition of product being unloaded.*



PERMANENT SWEEP COMBINATION

The U-Trough FS features a permanently installed gear-driven sweep that is **integrated with the unload**. Using a clutch-engage located at the head of the unload, you are able to start and stop the sweep. When engaged, the unload flighting drives the sweep through a double gearbox. This system is powered by the unload motor alone and does not require any other control system to operate. This renders the unit "zero-entry" with no-need to enter the bin prior to running the sweep. The sweep features capacities of up to 4,600 BPH.



FEATURES

- Designed for 14' to 50' bin diameters
- 8", 11" and 14" U-Trough*
- 7 1/4" or 9" Sweep Flighting
- Widemouth Gate - w/ Rack & Pinion Gate Controls and Nylatron Gate Rollers
- SureGrip™ Wheel - w/ sweep stop
- Gearbox Sweep Drive - w/ fully enclosed shifting mechanism
- Quick-detach Motor Mount
- Motor drives unload and sweep from outside of the bin (zero-entry)
- Adjustable Sweep Length
- Premium Powder Coat Finish

OPTIONS

- Horizontal Powerhead (Electric or Hydraulic)
- Incline Powerhead (Electric or Hydraulic)
- Vertical Powerhead
- Clump Breaker
- Tarp Cover

U-TROUGH EX

The U-Trough EX (Express Series) is our new powerhouse unload, designed for medium to heavy farm duties. The EX is compatible with bin diameters ranging from 30' to 72'. The EX boasts capacities of up to 8,170 BPH* (for 30' - 50' bins) and 8,000 BPH* (for 54' - 72' bins).

**capacity is based on 504 RPM and is dependent on condition of product being unloaded.*



INCREASED SWEEP POWER

The U-Trough EX is designed for operations with larger bin sizes as well as applications that need more power and capacity. Instead of a gear-driven sweep, the EX features a receiver located in the center of the sump which allows compatibility with Norstar's Commercial Express Sweep (sold separately). The Express Sweep provides added power with a motorized tractor-drive in addition to the SureGrip™ wheel. The Commercial Express boasts capacities of up to 6,500 BPH and is operated by a control panel located outside of the bin.



FEATURES

- Designed for 30' to 72' bin diameters
(longer units available on custom order)
- 8", 11" and 14" U-Trough*
- Widemouth Gate -
w/ Rack & Pinion Gate Controls and
Nylatron Gate Rollers
- Quick-detach Motor Mount
- Commercial Express Sweep
(sold separately)
 - 10" or 12" flighting
 - Motorized Tractor Drive
 - SureGrip™ Wheel
 - External Control Panel
- see options
- Premium Powder Coat Finish

OPTIONS

- Horizontal Powerhead
(Electric or Hydraulic)
- Incline Powerhead
(Electric or Hydraulic)
- Vertical Powerhead
- Tarp Cover
- Standard Control Panel
 - FWD-OFF-REV Switch
 - Emergency Stop
 - Overload & Reset for all Motors
- Auto-Drive Control Panel
 - Same features as Standard Panel
 - Auto FWD/REV based on auger
motor amps.