



# U-TROUGH UNLOAD SELLING FEATURES

## A SOLUTION FOR EVERY SITUATION

Meridian offers two distinct models of U-Trough Unload, ensuring a solution for a wide range of operational needs. The U-Trough FS (Farm Series) is the standard unload/sweep combination designed for light to medium farm duties and is compatible with 14' - 50' bin diameters.

Meridian's U-Trough EX (Express Series) is designed for medium to heavy farm duties and is compatible with 30' - 78' bin diameters. In addition to our standard 11" model, a 14" unit is also available for farm/commercial duties (contact us for more details).



## 11" FS - PERMANENT SWEEP COMBINATION

Meridian's U-Trough FS features a permanently installed gear-driven bin sweep that is fully integrated with the unload, providing simple and efficient operation. The sweep is engaged using a shifting lever located at the Powerhead of the u-trough unload. Once 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. 11" FS U-Troughs offer up to 8,170 Bu/Hr with sweep capacities up to 4,940 Bu/Hr.



## 11" EX - MORE SWEEP POWER

The U-Trough EX is designed for operations that need more sweep power than a gear-driven sweep. 11" EX U-Troughs offer u-trough capacities up to 8,170 Bu/Hr. and feature a receiver that allows the unload to be compatible with Meridian's Commercial Express Sweep (see Express sheet for more info). The Express offers added power with a motorized tractor-drive in addition to the SureGrip™ Gear Reduction Wheel, boasting sweep capacities of up to 6,500 Bu/Hr. Meridian offers control panel options to operate the Express.



## WIDEMOUTH CENTER SUMP/SUREGRIP™ WHEEL

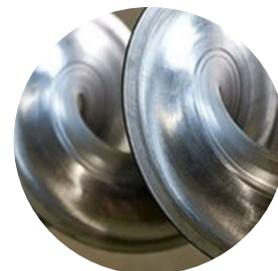
All Meridian U-Trough Unloads feature a wider center sump. The extended width of the sump maximizes 360° grain flow as the sweep circles the bin, providing greater capacity at the initial gate.

Both the FS and EX U-Trough Sweeps feature the SureGrip™ Wheel, providing a 16:1 gear reduction ratio with an 18" vulcanized rubber design that ensures reliable forward movement of the sweep.



## LONG-LASTING, MORE EFFICIENT FLIGHTING

Meridian U-Trough Unloads utilize an innovative flighting that features a thicker outer edge with a smoother transition to the inner auger face. This design helps increase the auger's lifespan by over 50%. The thicker edge also provides greater "grab" during unload, allowing you to move up to 100 more bushels per hour. This higher capacity combined with the longer lasting auger provides increased cost per bushel savings in the long term operation of your unload.





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## SIMPLE INSTALL

Install crews have told us how much they appreciate the efficiency of a Meridian Unload install and we believe that our unload is the best in the industry for its ease-of-installation. Meridian unloads are pre-assembled at our factory with no complicated assembly required, minimizing the time needed to install on-site.



## SIMPLE GATE CONTROLS

Operators have an easy time controlling the sump gates on a Meridian U-Trough Unload. The gate controls are located near the unload's Powerhead, providing easy access while operating the equipment. The user is able to open and close sump gates with the initial sump being operated independantly and separate from the intermediate sumps.



## SAFE OPERATION

Meridian's U-Trough systems offer safe operation that does not require regular entry into the grain Bin. The FS model's fully-integrated sweep and unload are controlled at the Powerhead. The EX model is intended to operate with the Commercial Express Sweep. The Express is operated from a control panel outside of the bin while the unload is operated at the powerhead.



## BENEFITS OF A MERIDIAN POWERHEAD

The Meridian U-Trough Powerhead features an adjustable Quick-Detach Motor Mount that makes it simple to move a motor from one unit to another. The hinged Belt Guard provides efficient maintenance access to the drive belting.



## MERIDIAN QUALITY

Meridian U-Trough Unloads are built to last. Using cutting edge design, high quality materials and advanced manufacturing techniques, we ensure that your unload is long-lasting and that it maintains its efficiency. All Meridian U-Trough Unloads come standard with a Premium Powder Coat Finish, providing an excellent and durable protective coating.



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