

U-Trough Augers



Screw conveyors have been used since ancient times in the conveyance of products – with the first iteration being the Archimedes screw, that was used for pumping water for irrigation. We've come a long way since then in other things – but on screw conveyors – we're still using Archimedes' principles, with very little changes. Trough augers are different from tube augers – as the spiral runs in a U-shaped trough, with removable lids as opposed to running in a round tube. The advantages of a trough auger are that the body of the conveyor is easily accessible for maintenance of carrier bearings, cleaning, the construction allows for longer conveyor lengths than on tube conveyors.

Trough conveyors are commonly used in silo loading and unloading and in high maintenance and high hygiene applications. Trough auger are usually built in bolt together segments for easy transportation and assembly on site

Trough conveyors are able to be used in inclinations of up to 45°.

Specifications	100mm	165mm	220mm
Width	100mm	165mm	220mm
Max Capacity	6m ³ /hr	26m ³ /hr	51m ³ /hr
Segment length:	2100mm	2100mm	2100mm
Spiral RPM:	180-360RPM	75-150RPM	75-150RPM
Power usage per meter	0.15KW	0.3KW	0.45KW
Spiral size	Ø87mm	Ø140mm	Ø190mm
Motor:	3 Phase 50HZ 4Pole with NMRV worm gearbox		
Bearings:	UCF204	UCF209	UCF209
Materials:	Painted mild steel / Stainless Steel		