

STEP – Screw Conveyors

STEP OILTOOLS Cuttings Auger or screw conveyors are a simple and effective method of safely conveying drill cuttings from solids control equipment to containment or cuttings treatment solutions. Cuttings augers are a low horse power continuous method of transfer of drill cuttings and require minimal operator intervention. Conveyors are available in a number of sizes and configurations to meet drilling application depending bit size and anticipated rate of penetration.



The screw conveyors are available in various diameters, lengths, HP requirements and can be custom fitted to meet customer requirements. Augers also have a number of optional features:

- Variable and Fixed Speed Drives
 - Cuttings augers are available with either a fixed speed drive or a variable speed drive depending on the installation and customer requirements.
- Incline Conveyors
 - Inclined conveyors were developed to allow the conveyor to transition from horizontal to a 15° incline without the need for an additional conveyors..
- Shaker Feed Troughs
 - Inlet chutes designed specifically for shaker installations to eliminate the need for the conveyor to be directly under the rig shakers.
- Control and Safety Equipment
 - The cuttings augers are available with a range of ATEX control equipment and safety equipment including local and remote emergency stop buttons, emergency grab lines, and remotely operated siren / beacons.

Technical Specifications

General				
Diameter	10"	12"	14"	16"
Capacity (Mton/hr)	15	40	50	60
Capacity Vol. (m ³ /hr)	7	18	23	27
Dimensions				
Width	14-3/4" / 375mm	17-1/4" / 438mm	19-1/4" / 489mm	21-1/4" / 540mm
Height	15-1/4" / 387mm	17-3/8" / 441mm	20-1/8" / 511mm	22-5/8" / 575mm
Standard Section lengths	5 ft. & 10 ft. 1.524m & 3.048m	6 ft. & 12 ft. lengths 1.829m & 3.658m lengths		
Electrical Specification				
Power	5.5Kw / 7.5HP	7.5kW / 10HP	11kW / 15HP	15kW / 20HP
Voltage	380 / 460 V			
Frequency	50 / 60 Hz			
Phase	3 Phase			

Features and benefits

- Emergency E Stop and grab line installed as standard
- Cuttings Auger feature solid bolt down covers for improved safety
- U-Trough or Tube Conveyors Available
- Variable speed for increased flexibility
- Forward and Reverse Motion
- Available in 10", 12", 14" and 16" configurations
- Variable lengths for custom installations
- Manual and Pneumatic discharge gates available for increased flexibility
- ATEX Certified Control Panels & Motors

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