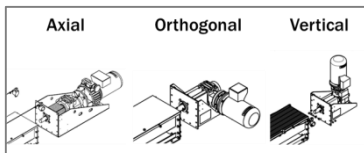
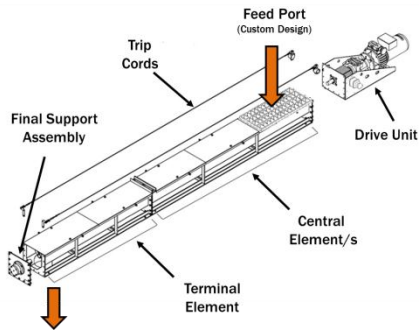


## Equipment Data Sheet: Screw Conveyor ( $T_a \leq 55^\circ\text{C}$ )

This is an extremely versatile screw conveyor modular system designed to safely handle a large quantity of drill cuttings; can be used as feeding or discharge system



### Dimensions

Modular System	
Conveying Distance	From 1 to 20 m (From 3.3 to 65.6 ft)
Single Element Length	1 – 2 – 3 m (3.3 – 6.6 – 9.8 ft)
Screw Diameter	250 – 300 – 350 mm (10 – 12 – 14 in.)

### Performances

Handling Capacity (30% Filling Capacity & 60 rpm Screw Speed)		
Capacity (250 mm Diam.)	29 T/h	(13 m <sup>3</sup> /h @ 2.2 S.G.)
Capacity (300 mm Diam.)	50 T/h	(23 m <sup>3</sup> /h @ 2.2 S.G.)
Capacity (350 mm Diam.)	61 T/h	(28 m <sup>3</sup> /h @ 2.2 S.G.)

### Physical Data

Assembly Specification	
Screw Conveyor Material	Structural Steel (S235 JR)
Flights Tips Protection	Hard Facing (Castolin PE 8213)
Support Bearings	Grease Lubricated - Manual
Maximum Slope	15° from Horizontal (Height $\leq$ Length/4)
Certification	CE ATEX, Zone 1
Operating Temperature	0 / +55°C (+32 / +131 °F)
Storage Temperature	-20 / +55°C (-4 / +131°F)
Process Material (Drill Cuttings) Temperature	Drill Cuttings: $\leq 90^\circ\text{C}$ (194°F)* <small>(* The equipment's plates must have a maximum temperature of 50°C. If this temperature is exceeded, follow local and international law and prescriptions and use adequate countermeasures to ensure that no burning hazards arise for the operators. In any case, external surfaces shall never exceed 100 °C.</small>

### Drive & Operating System

Voltage	400/460V, 50/60Hz, 3Phase; Standard [690V/60Hz or 690V/50Hz 3Phase; Option.]
Drive Motor Options	4 – 7.5 – 11 – 15 kW (5 – 10 – 15 – 20 HP)
Motor Alignment	Axial, Orthogonal (Left or Right) or Vertical
Screw Conveyor Speed	Fixed Drive
Screw Conveyor Direction	Single Direction (Push or Pull) or Reversible
Starter (Control Panel)	Not Included, to be Ordered Separately

### Safety Features

Safety Devices	Electrical (Thermal) & Mechanical (Flexible Joint) Overload Protection, Trip Cords to Guards Covers Plates and Avoid Contact with Rotating Parts
Screw Conveyor Covers	Plates – Standard; [Gratings – Optional]* <small>*Please note that if a screw conveyor has been modified for a special installation and plates covers have been replaced by other protective system (e.g. replacing of plates with gratings and installation under walkway), design considerations have to be made to determine whether the current configuration is suitable to safety in the new installation or if the original protective systems have to be re-installed.</small>