OR-TEC SHAFTLESS SCREW AUGER

Inclined, Vertical, Horizontal and Reversing

The **OR-TEC OSA Shaftless Screw Auger** is ideal for transporting dewatered sludge, screenings, solid waste and other difficult to convey materials. It is suitable for inclined, vertical and horizontal installation. The units are available with reversing screws and knife-gate valves to allow for multiple discharge points. This helps ensure even and safe loading of disposal containers or vehicles



Construction material

Stainless Steel AISI 304 or AISI 316 The screw can be construced of AISI 304 or AISI 316 stainless steel or epoxy coated hardened carbon steel

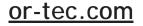
Features

- Shaftless screw conveyor without intermediate bearings which can cause blockages
- No mechanical parts directly in contact with the products to convey
- Low maintenance
- Low Capital Cost

Applications

- Sludge Cake
- Food Processing and Packaging
- · Paper Mills
- · Industrial Materials

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Capacity:

Up to 65 cubic yard per hour depending on model, size and conveyed product

Screw Diameter Availability: 6" to 24"

Inclined Angle: 0 deg to Vertical

Length: Up to 130' in one section

Model: Horizontal & Inclined: OSA Vertical: OSA-V



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Construction:	Stainless Steel
Screw:	Stainless Steel or coated
	micro alloy carbon steel
Length:	Per Application
Supports:	Stainless Steel
Feature:	Cantilevered Discharge

DIAMETER	PRODUCT	ANGLE	SCREW	LENGTH	CAPACITY	HORSEPOWER	SPEED
6"	Sludge Cake	0°-15°	Regular	60'	52 cu ft hr	0.75	29 rpm
6"	Sludge Cake	15°-30°	Reinforced	60'	28 cu ft hr	1.0	29 rpm
8"	Sludge Cake	0°-15°	Regular	60'	105 cu ft hr	1.0	29 rpm
8"	Sludge Cake	15°-30°	Reinforced	60'	60 cu ft hr	1.0	29 rpm
10"	Sludge Cake	0°-15°	Regular	60'	245 cu ft hr	2	29 rpm
10"	Sludge Cake	15°-30°	Reinforced	60'	136 cu ft hr	2	29 rpm
12"	Sludge Cake	0°-15°	Regular	80'	385 cu ft hr	3	29 rpm
12"	Sludge Cake	15°-30°	Reinforced	80'	210 cu ft hr	3	29 rpm
16"	Sludge Cake	0°-15°	Regular	100'	805 cu ft hr	4	29 rpm
16"	Sludge Cake	15°-30°	Reinforced	100'	455 cu ft hr	4	29 rpm
20"	Sludge Cake	0°-15°	Regular	120'	1575 cu ft hr	7.5	29 rpm
20"	Sludge Cake	15°-30°	Reinforced	120'	910 cu ft hr	7.5	29 rpm

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