

Rotating Screw

The discharge unit for difficult to handle bulk materials and extremely high discharge capacity. The manufacture of the entire is dependent on the bulk material – scarifier teeth, variable screw pitches. Construction size 1,450 mm and 2,000 mm diameter with two screws spirals possible.

Design characteristics

- cantilever screw spiral design
- robust construction
- conical screw spiral
- screw spiral rotation independent of the tower rotation
- screw spiral with scarifier teeth

Customer advantages

- very robust design for a high availability and reliable operation / run time
- uniform and continuous bulk material conveying over the entire silo cross section
- easy to assemble and to maintain
- none gravimetric free flow

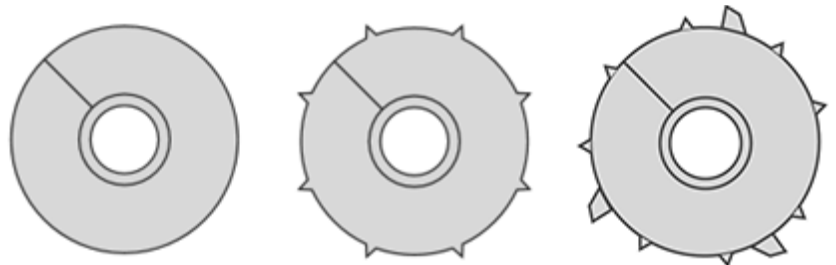
Applications

- bulk material reception
- external large storage solution
- intermediate storage
- internal storage / feeding silo



The construction of the screw spirals depends on the bulk material.

To guarantee an optimum discharge, our rotating screws will be supplied with screw wings which are specially adjusted to the bulk material.



Technical data				
• discharge capacity	0 up to 800 m³/h			
• discharge unit	screw spiral designed according the bulk material			
• driving power	3 up to 250 kW			
• dimensions				
silo	Ø up to 8,000 mm	Ø up to 10,000 mm	Ø up to 15,000 mm	Ø up to 30,000 mm
tower	Ø 900 mm	Ø 1,450 mm	Ø 2,000 mm	Ø 3,100 mm
# of screw spirals	1	1 / 2	1 / 2	1
• weight	approx. 4 up to 24.6 t			
• controls	motor temperature / overfilling sensor / automatic central lubrication Optional: forward feed drive control unit			
• wear protection	as an option, specially tailored to the application and the bulk material, for example different stainless steels, AR steel (e.g. Hardox), hard welding, composite wear protection plates, Infinite Shield (ceramic)			
• execution	CE declaration of conformity ATEX: standard no ex-qualification Alternatives: inside: zone 22 or 21 and outside: no zone (Ex II 3 / - D or Ex II 2 / - D) inside ATEX zone (see above) and outside: zone 22 (Ex II 3 / 3 D or Ex II 2 / 3 D)			