



Auger screw rotor for mixing - 31634



Specifications

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- Auger diameter: Ø1000
- Material: Stainless steel 1.4301
- Type of screw flights: Ribbon screw flights
- Double set of flight with 4 different transportation ways
- Welded 100%
- Acid pickled after welding

Additional Information:

Product type:	Screw rotor
Industry:	Food industry
Transported material:	Meat
Applied steel in product:	Stainless steel
Surface treatment:	Stainless steel – acid pickled



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Short Description

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Auger for mixing Ø1000 Mixer screw rotor Ø1000. The screw auger is manufactured as an OEM product for a client that uses it in a mixing machine.

What is the characteristics for the auger?

1. The auger is sitting in a batch mixing machine
2. All transport of the media is going to the center of the auger
1. The 2 inner flights are transporting to the left and right
2. The double outer ribbon flights are transporting towards the center
3. The screw flights are manufactured with ribbon screw flights

The important things of this auger is the ability to manufacture ribbon screw flights in a large diameter – Ø1000. BEMA can manufacture these to a diameter of up to app. Ø2000. The ribbon flights are mounted to shafts perpendicular to the inner pipe. Holes have been drilled into the inner pipes, and the shafts have been welded to the inner pipe to ensure stiffness. The flights have been welded to the shafts.

The accurate placement of the shafts will secure a precise pitch development of the screw flights and in the end give a correct material movement.

This type of auger is ideal for batch mixing of powder, a combination of powder and water or a similar liquid, sludge that need to get unified.

The mixing screw is a typical example of an OEM-product that BEMA manufactures for end clients.

Another example of a mixing screw auger

When BEMA manufactures OEM auger we always follow the follow preparation process:

1. A technician prepares a production drawing stating all details and material used
2. Describes the necessary processes for manufacturing besides mounting of flights and welding:
 1. Surface treatment of the mixing screw
 2. Special requirements regarding control measurement
 3. Demands regarding NDT-testing of the auger
3. Clarify if special documentation is needed to follow the final manufactured screw auger