



Hopper with inclined screw conveyor - 9005



Specifications

Hopper with angular screw conveyor - 9005

- Material: Manufactured in 1.4301
- Surface treatment: Acid pickled after welding
- Diameter of screw rotor Ø400
- Horizontal transportation length: 3000 mm
- Vertical transportation length: 1800 mm
- Size of hopper: App. 1 m³
- Manufactured with a hygienic shaft seal in the bottom - easy accessible for cleaning
- Screw rotor manufactured with a progressive pitch to reduce the power consumption in the gear box

Additional Information:

House:	Bin, Through
Industry:	Food industry
Transported material:	Biomass, Meat
Product type:	Screw conveyor
Surface treatment:	Stainless steel – acid pickled
Applied steel in product:	Stainless steel



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Short Description

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Ø400×4500 mm. hopper with an inclined screw conveyor. The solution is manufactured as a sanitary solution in accordance with EC-1935/2004 (the food directive)

What design features have been taken to manufacture a sanitary solution?

1. All material is manufactured in stainless steel 1.4301
 2. All weldings have been made with 100% TIG-welding
 3. The inclined screw conveyor have been designed with lids for easy cleaning
 4. The Pack box in the bottom is easy accessible for demount during cleaning
 5. Over the gear box there is a lid to protect the gear box for cleaning water
 6. All surfaces has been designed as vertical as possible to drain cleaning water away
- BEMA has authentication to manufacture applications in accordance with EC-1935/2004. We are controlled by the authorities every year.
See a similar solution in accordance with EC-1935/2004

Advantages for a hopper with a screw conveyor for food material

1. It can be fully closed
 2. It is cleanable – however you must do it manually to be fully sure it is cleaned
 3. All material in contact with the food material can be made in stainless steel
 4. You can combine material storage with material transport
- When you use an inclined screw conveyor in combination with a hopper, it is difficult to ensure an accurate dosing. The inclined screw conveyor moves the material to a higher level. If you also need to dose the material, you shall combine a horizontal dosing screw with an inclined lifting screw conveyor.