



# Screw conveyor with storage bin - 24392



## Specifications

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- Material: All manufactured in 1.4307/AISI-304L
- Outer diameter of the screw conveyor: Ø400
- Design for the food industry and is in accordance with EC-1935/2004
- Surface treatment:
- All surfaces in contact with the food material are grinded
- Acid pickled
- Finally glass blasted
- Supplied including a mounting frame for easy installation on-site

#### Additional Information:

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



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### Short Description

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Screw conveyor with storage bin manufactured to be used for handling pet food. The product is manufactured in accordance with the principles in EC-1935/2004 (the food directive)

## What to consider when making screw conveyors for the food industry?

1. All used materials in contact with the bulk material shall be approved in accordance with EC-1935/2004
2. The design shall as hygienic as possible – avoid horizontal surfaces where it is possible
3. In this specific application note that the lids are made with angular surfaces
4. All weldings must be performed 100%
5. In this application the welding in contact with the material is grinded and sandblasted.  
Surface treatment strongly depends on customer requirements

When you need a hopper with a screw conveyor for handling food, it is important that you consider:

1. A good hygienic design
2. The level of surface treatment you want. There is no specific standard requirement – you must specify it

The price of the final products strongly depends on the surface treatment that you want. In BEMA we can assist you with our experience, but it is up to you to decide. We always recommend that you take a critical look on the necessity of surface treatment. In many applications the following is enough:

1. Use 2B – cold rolled plates – wherever possible
2. Use TIG welding on all surfaces in contact with the food material
3. Acid pickle all stainless steel parts after welding

### **See similar application for a bin with a screw conveyor**

Over the years BEMA have gained experience in manufacturing bins and hoppers with screw conveyor for the food industry. You can find several solutions on our web-site for these.