



Dosing screw conveyors in stainless steel - 35904



Specifications

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A serie of 6 dosings screw conveyors for feeding af cup elevator:

- Material: 1.4301/AISI-304
 - Dimensions: Ø150 x 572mm
 - Surface treatment: Acid pickled after welding
 - Final finish in 2B surface
 - Total 6 pcs. conveyor, for optimal powder feeding into existing flexible cup elevator
- See another example of a dosing screw conveyor [here](#)

Additional Information:

Industry:	Food industry, Process industry
Applied steel in product:	Stainless steel
House:	Through
Product type:	Screw conveyor
Surface treatment:	Stainless steel – acid pickled



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Short Description

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What is a dosing screw conveyor?

- Dosing screw conveyors are primarily used to deliver an exact quantity of material into:
1. A process machine
 2. Another transportation screw conveyor or a transport machine like a cup elevator or a chain conveyor
2. The way to obtain the controlled throughput is by using a frequency drive (VFD) on the electrical motor on the gear box
3. The dosing screw rotor requires to be completely filled – otherwise you cannot control the material flow
4. Dosing screws can be delivered with options like ATEX rating and hygienic design
5. Flexibility – dosing screw conveyors can be designed in different length and with different diameter

Dosing screw conveyors can be used for all applications where you need to control the material flow. It is typically used in the process industry and in the food industry where control of material flow is required.

Dosing screw conveyors are an economical solution to control the material flow. To get an exact value of the mass flow, you must know the density of the material. It is important to understand that the screw moves a volume when it comes to calculating.

This type of screw conveyor are mostly application-specific solutions. Dosing screw conveyors are optimized for each single application taking material selection and transported material into consideration. When requesting the screw conveyor inform about:

- Type of industry
- Capacity requirements
- Physical layout

BEMA can assist you if you need support to calculate the flowrate for your application.