



Dosing screw conveyor powder distribution system - 8894



Specifications

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- Manufactured in 1.4401/AISI-316
 - All welding 100% and acid pickled after welding
 - Gear boxes and bearings with non stainless steel material are painted in compliance with off-shore painting specifications - NORSOK M-501
 - Assembled and tested in our own productions facilities. After testing the project is packed and shipped to the end client
 - Delivered with full documentation:
 - Drawings
 - Material certificates
 - Manuals
 - Datasheets for wear parts
- See a similar system**

Additional Information:

House:	Pipe, Through
Industry:	Offshore
Transported material:	Bulk material, Powder
Applied steel in product:	Stainless steel
Surface treatment:	Stainless steel – acid pickled
Product type:	Screw conveyor



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Short Description

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Complete system for transport and distribution of powder from big-bags in an offshore application.

The dosing screw conveyor delivers material to a number of following transportation screw conveyors.

How shall I design the a system of dosing screw conveyor followed by transportation screws?

1. Be sure that the dosing screw rotor is 100% filled during the operation
2. Design the dosing screw conveyor to cover the full range of material flow you need
3. Design the following screw conveyors with a higher capacity compared to the dosing screw conveyor. The more speed you can give the transportation screw conveyors, the lower filling degree and a more smooth delivery of material to the final destination

Can I control the material flow in a dosing screw conveyor precisely?

1. Yes, but you must know the density of the transported material precisely.
2. Always have in mind that a screw rotor moves a volume, and the density is needed to calculate the material flow

Special features in the actual project

- Complete delivery with full documentation (drawings, material certificates and test run certificates)
- System FAT approved before delivery

BEMA has the experience to design systems where you combine dosing followed by transportation of the material.

Specially powder and powder liked material are well suited for this transportation process.