



22760 Transportsystem for coal and biomass



Specifications

Additional Information:

Product type:	Screw conveyor
Industry:	Power plants
Transported material:	Biomass
Applied steel in product:	Carbon steel, Hardox plate, Wear plate
Surface treatment:	Carbon steel – painted



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Short Description

**22760 Transportsystem for coal and biomass material:
3 pipe conveyors transport from one silo system to another:**

- Extraction screw in bottom of the silo
- Transportation/lifting screw
- Feeding screw into the receiving silo system

All 3 screw conveyor solve a specialised transportation demand

During design, the demand have been solved:

- Pressure resistance up to 10 barG. FEM analysis of the houses have been performed
- Gear motor design prepared for frequency control. It is possible to change the mass flow instantly (the gear motors coupled together)
- Risk analysis of the complete screw system

Features:

- All inlets and outlet manufactured with bolted flanges
- Service openings (pressure tight) implemented
- Wear resistant plates in critical areas inside the housing
- Delivered with slide valves to close the transport system during non-operation

Manufacturing details

- Manufactured in carbon steel
- Surface treatment – painted according to customer specifications
- Screw flights manufactured in Hardox steel
- Hardfacing applied in wear exposed areas