



# 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                 |



# 22760 Transportsystem for coal and biomass



## 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