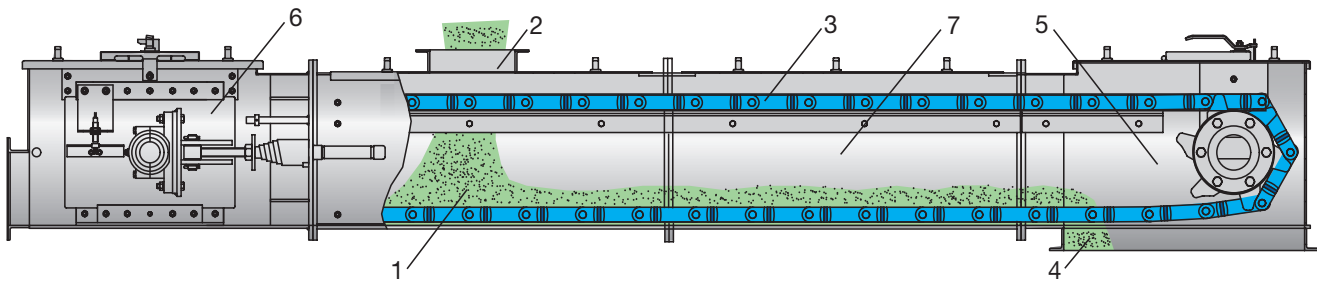


Chain Conveyor

FACT SHEET





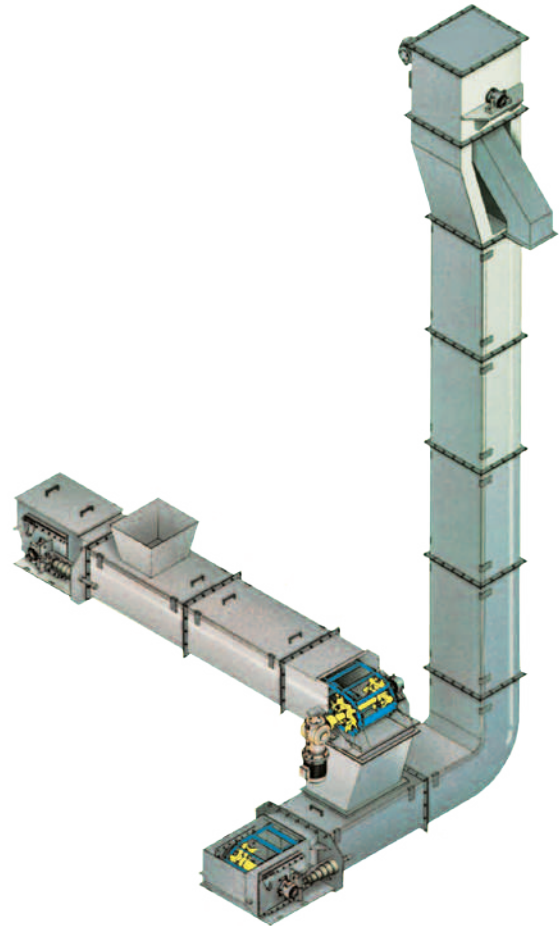
Functional Description

The bulk material (1) is normally fed into the conveyor through a top inlet (2) from where it drops through the upper strand of the conveying chain (3) down to the bottom of the conveyor.

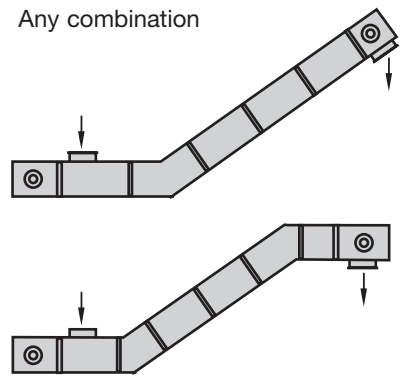
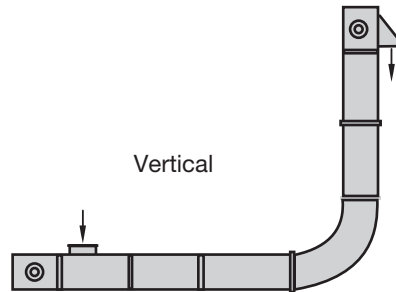
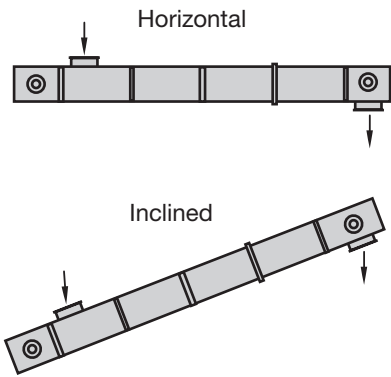
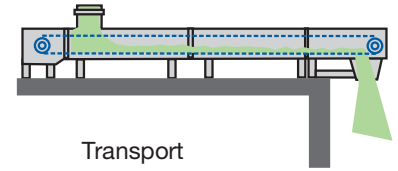
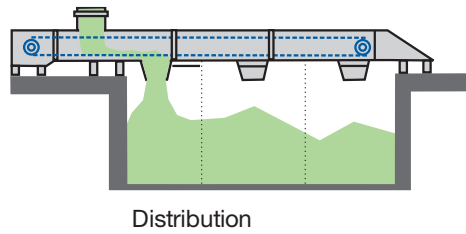
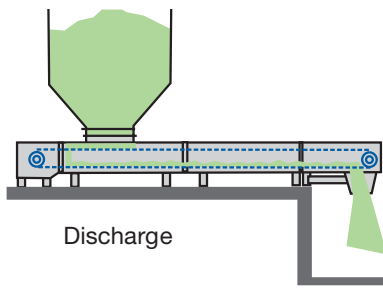
There, the bulk material is conveyed to the outlet (4) by the lower run of the conveyor chain (3). The conveying chain (3), depending on stress and bulk material, consists of a single or a double-strand chain and flights (scrapers) which are located perpendicularly to the chain. The volumetric conveying capacity i.e. the height of the bulk material layer which can be transported inside the conveyor depends on the flights height. The height is conditioned by the bulk material properties (moisture, lump size, internal friction).

The drive station (5) is usually located at the place where the highest chain tensile stress occurs, means normally at the outlet. Sufficient pretensioning of the conveying chain (3) is achieved any time by the help of conical springs located at the tensioning station (6).

The length, shape and length, shape and curves of the trough elements can be freely chosen so that the conveyor arrangement is variable.

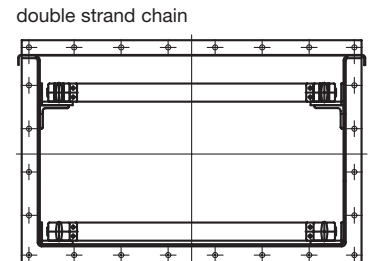
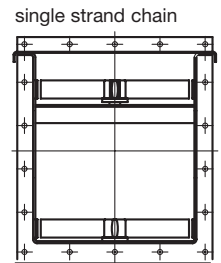


Applications



Technical Data

| | |
|------------------------|--|
| Conveying capacity | 1,0 ... 1,000 t/h |
| Width | 200 ... 2,500 mm |
| Conveying speed | 0.01 ... 0.45 m/s |
| Number of chais strand | 1, 2 |
| Tension system | spring, gravitational, hydraulic |
| Available lining | Hardox, basalt, aluminum oxide, bed of bulk material |



Detailed conveyor layout depends on: bulk material, capacity, ambient conditions and is available on request



Solutions for bulk materials handling:

Product Range:

- Engineering; Planning; Design;
Manufacturing; Installation and Commissioning for single machines and complete plants
- Bulk Material Testing
- Silo and Bunker Discharge Systems
BinEX, PlanEX Silo Dischargers, Bunker Discharge Machine, Sweeping Auger, Active Bottom Discharger
- Conveying and Handling Systems for Bulk Materials
Truck Unloading Station, Trailer Docking Station, Chain Conveyors, Screw Conveyors, Belt Conveyors
- Stockpile Reclaiming and Feeding Semi-Portal Reclaimer
- Silos and Steelwork

Industries:

- Cement, Lime and Gypsum,
- Power (including Alternative Fuels),
- Coal and Lignite,
- Mining,
- Chemical,
- Food,
- Steel, Foundries,
- Environmental Protection, Sludge and Waste Handling

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Our engineers are constantly developing new ideas and individual concepts for grinding technologies and preparation processes for the benefit of our customers. Their competence is mainly due to our worldwide information management. This ensures that current knowledge and developments can also be used immediately for our own projects.

The services of our subsidiaries and agencies are of key importance for analysis, processing and solving specific project problems for our customers.

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