



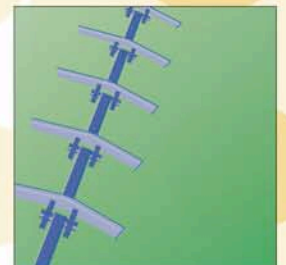
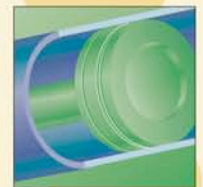
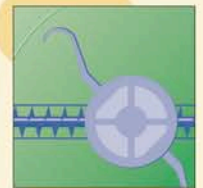
CHAIN CONVEYORS and special BELT CONVEYORS:

For the direct way

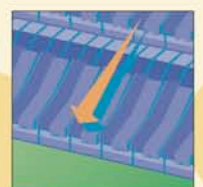


In conjunction with our silo and bunker systems, we have developed an extensive knowledge of chain and screw conveyor design technology over many years. These conveyors are capable of handling the same range of difficult and non free-flowing bulk solids with which our company is generally associated. Today our conveyors are used in the water, wood board, cement, power generation, alternative energy and many other industries worldwide.

The basis of your trust is our knowledge and experience which has been generated over many years.



Chain Conveyors





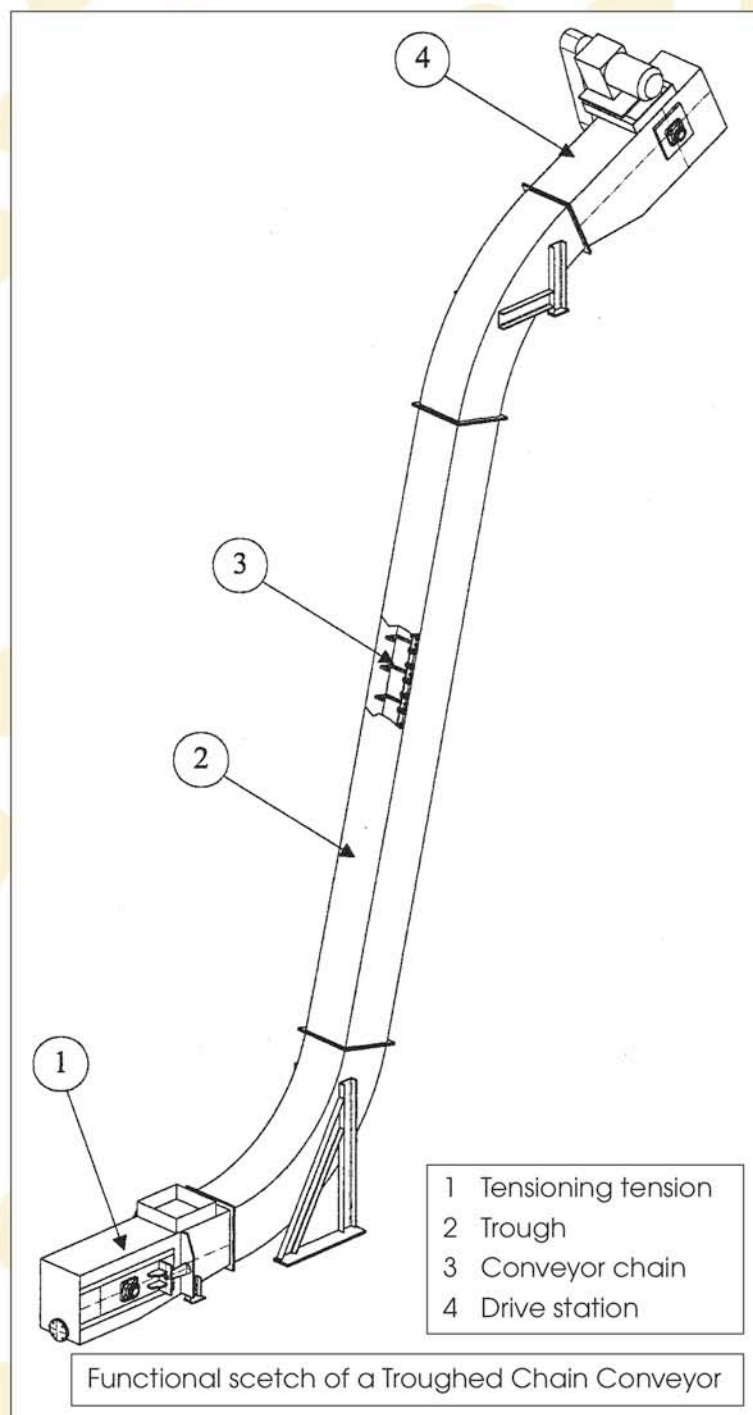
Troughed Chain Conveyor

The Saxlund International chain conveyor is a continuous operating conveyor with a rectangular cross-section. It may be arranged horizontally or inclined.

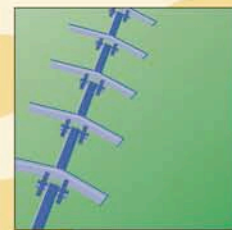
The bulk material is fed at the tensioning station. The conveying chain runs onto a special floor and conveys the material through the upper or lower section to the drive station, where it is dumped or discharged to other conveyor systems. The construction type of the conveyor chain is adapted according to the bulk material. All links are manufactured from high-grade drop-forged steel with welded flights to suit the application.

The chain is driven by a chain wheel on a bearing shaft, which, in turn, is driven by a

gear motor with an additional roller chain drive. After material has been dumped, the empty chain runs over the guide rails to the tensioning station. The chain is then returned to conveying direction by the tail wheel. The wheel is situated in a springloaded slide rest with roller bearing. The springs are arranged on both sides and can be pre-tensioned by means of screwed rods. A sensor to control the idle time at conveyor is situated at the deflecting drum.



Functional sketch of a Troughed Chain Conveyor



Conveyor chains of high-grade drop forged steel for horizontal and vertical conveying of 102 till 300 mm pitch

- single strand
- twin strand

Conveyor chains can be supplied in all specified materials:

For example: case hardened or heat-treated-steel,
stainless and acid-resisting steel,
heat and high-heat resisting steel
for all possible kinds of bulk materials to be conveyed.

| | | | | | | | | | | |
|-------------------|-----|-----|------|------|-----|-----|-----|-----|-----|------|
| Pitch: | 102 | 125 | 142N | 142V | 160 | 175 | 200 | 250 | 260 | 300 |
| Breaking force kN | 100 | 150 | 300 | 600 | 400 | 600 | 400 | 600 | 900 | 1000 |

Chain Link Description Carrier Type



Single strand link



Type BT



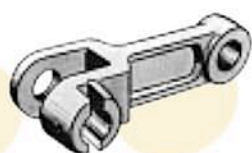
Chain wheel,
separated design.
Toothed flanks are
hardened



Single strand link
with forged cams



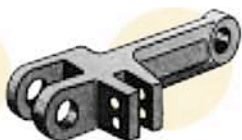
Type U



Twin strand link



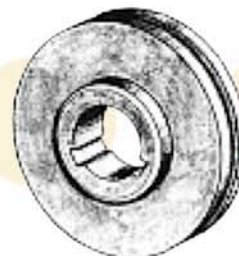
Type O



Twin strand link
with forged cams



OO-link with rear welded
broaching sheets



Deflecting pulley



Link for plate conveyors
and discharge boxes



O-link with either flame cut
or forged welded carriers

Belt Conveyors

We can supply totally enclosed belt conveyors for special applications. For example, when conveying re-cycled wood or similar biomass fuels to a power generating installation as shown here, there are high specifications to be considered.

- High availability
- Low noise emission
- Fully enclosed machine
- No dust emission
- Lower power consumption

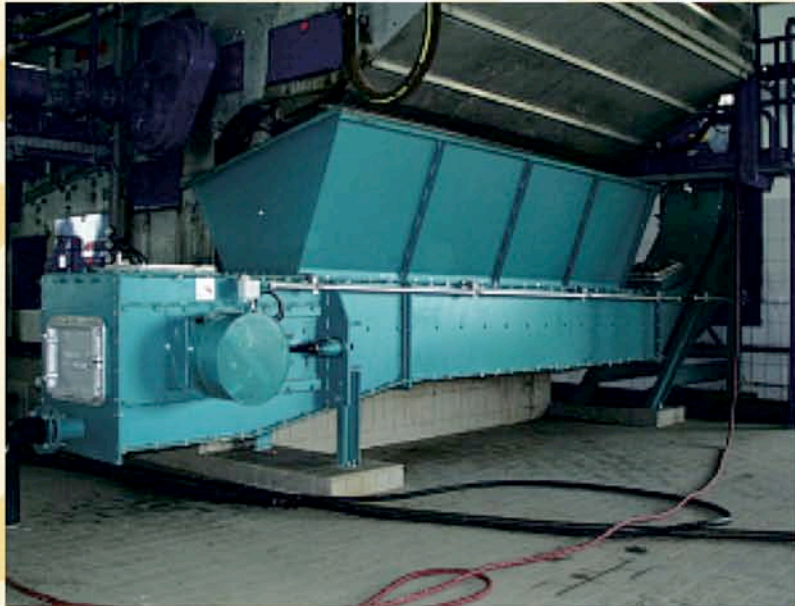


Enclosed belt conveyor and screening/separation at a re-cycled wood combustion plant.

SAXLUND International conveying systems are engineered to fulfill all necessary requirements. Our conveying systems have been proven over many years of operation when running under the most arduous conditions in process industries worldwide. We have the experience and technology to offer the client the most cost effective, energy efficient engineering solution to the particular conveying requirement.

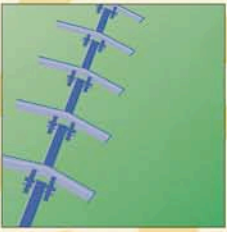
Our professional team of engineers look forward to being of services to you.





Water Plant Leuna-Daspig
Conveyerment and storage
of dewatered river sludge.





Conveying, storage
and dosing of
re-cycled wood

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Products for silo and conveying technology:

- Saxlund Sliding Frames
- Saxlund Push Floors
- Tubefeeders
- Saxlund Rotors
- Saxlund Solids Pumps
- Troughed Chain Conveyors
- Screw Conveyors
- Elevators
- Rotary Valves
- Combustion Plants
- Control Systems

