

Intermediate Bearings for Conveyor

Application

Industry:

Chemical, Pharmaceutical, Biomass, Plastics, Paper and Pulp, Pet Food, Cement

Intermediate Bearings with Laminate Packets for Long Screw Conveyors. Intermediate bearings equipped with laminate packets are used in long screw conveyors. When extended lengths are involved, these bearings provide the necessary support to accommodate the additional span. This is made possible by the use of a specially developed laminate packet.

The laminate packet compensates for stresses in the intermediate shafts/screw shafts, which makes precise alignment of the screw conveyor less critical. It also reduces the impact of temperature fluctuations and environmental conditions on the steel structure.

As a result, the risk of shaft breakage is minimized. To further prevent material buildup

The laminate packet can be mounted and disassembled relatively easily, without requiring the removal of the screw shafts.



Benefits

- Smaller Screw Diameters Possible
- Reduced Bearing Load
- No Need for Cascade Setup
- Suitable for Retrofit Applications
- Proven Concept with Long Service Life
- Low Maintenance Requirements
- Bidirectional Operation
- Support for Extended Lengths
- Reduced Alignment Sensitivity
- Lower Risk of Shaft Breakage

Bearing Versions:

- Sliding Bearings (Bronze, Cast Iron, or Plastic)
- Ball Bearings (Open or Sealed)
- DSplit Ball Bearings

Sealing Options for Ball Bearings, Several sealing options are available for ball bearings, depending on the specific requirements of the application. Lip Seals, Oil Seals (Radial Shaft Seals).



3D Engineering

