



Product data OD-bearing

The vertical screw conveyor of a Siwertell ship unloader is divided into sections of approximately five metres long each. On the back of this sheet is detailed information of how it fits together and what the benefits are of it.

Siwertell

Description

The sections are connected by a short shaft bolted to the screw sections. Around the shaft there is a short piece of screw longitudinally splitted into two halves. These halves are then clamped around the shaft by bolts.

On the outer edge there are tungsten carbide inserts soldered to the screw flight edge. The OD-bearing house has four openings with covers. The covers are adjustable by shims and act as a bearing surface towards the bearing screw.

Benefits

This type of circumference bearing gives a continuous screw flight from bottom to top without any interruptions, and the risk of material getting stuck is minimised.

It also gives a lower energy consumption and there is less risk for damages caused by tramp material compared with the standard inner diameter bearing holders. The wear on the transport screw flight edges is also considerably lower. The result is an overall increased lifetime.

Scope of supply

- OD-shaft
- OD-screw section (2 halves)
- bolts
- OD-covers
- shims for cover adjustment
- OD-bearing house

Bolts for connection of OD/bearing screw halves.

Transport screw section

OD bearing screw section

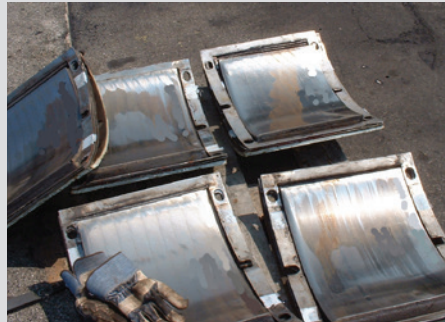
Tungsten carbide inserts



Inside the OD bearing house



OD bearing house with removed covers



Adjustable OD-bearing covers

Contact

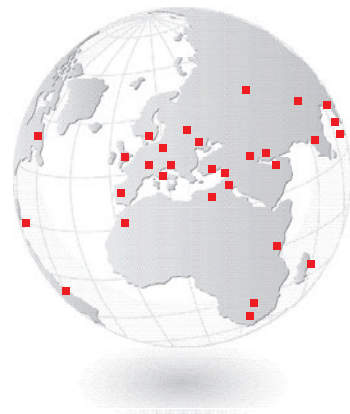
Siwertell works closely together with representatives on all continents. Please contact our head office below and we will direct you to your local Siwertell contact.

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The Siwertell product portfolio includes ship unloaders, mobile ship unloaders, ship loaders, horizontal and vertical screw conveyors as well as complete dry bulk terminal solutions. Virtually any dry bulk cargo can be handled and all Siwertell solutions are designed to ensure sustainable, efficient and safe cargo operations. Siwertell is part of Cargotec Corporation.



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