

Novel sealing system for reliable rolling operation

Morgoil® bearings in cold rolling mills

SMS Demag has developed an innovative sealing system which has been in service in a two-stand skin-pass mill at Salzgitter Flachstahl GmbH since mid-2003. Performing to our customer's fullest satisfaction, the sealing system offers the following particular advantages:

- perfect tightness during both wet and dry skin-passing
- no ingress of lube oil into the rolling emulsion
- no seal change due to wear or leakage

Moreover, it proved to be the right decision to equip this cold rolling facility with Morgoil® bearings in KLX® design with "dual load" zones because this design has a favorable impact on the dimensional accuracy of the strip and the sealing behavior.

New order for KLX® bearings

New on our books is an order from Austrian steelmaker Voest Alpine Stahl covering the supply of Morgoil® bearings for the customer's new five-stand tandem cold rolling mill. These bearings will also come with our new sealing system, "dual load" zones and in KLX® design.

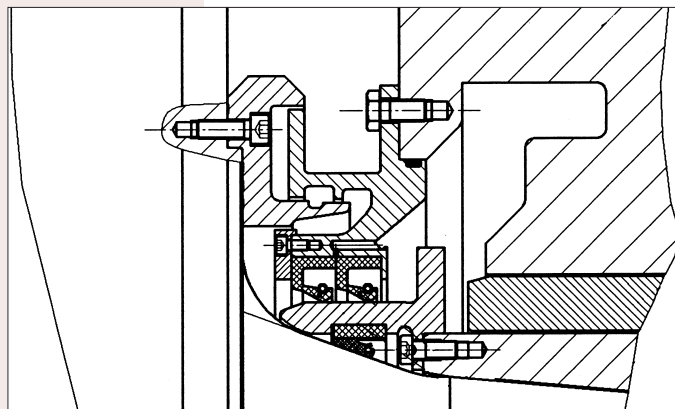
Manufacture for renowned antifriction-bearing supplier

Thanks to the outstanding precision that our manufacturing shops achieve in the fabrication of Morgoil® bearings, a renowned producer of antifriction bearings has commissioned us with the precision- or finish-grinding of large-size inner races of cylindrical roller bearings intended for use in BUR bearings of cold rolling mills.

Characteristic data of the races:

- race bore 900 mm
- width 420 mm

With our powerful hi-tech machines we stay clearly below the specifications of the antifriction bearing manufacturer for the wall-thickness difference by 50 %.



The new sealing.



Bearing bush with two load zones.



Inner race of a cylindrical roller bearing.