ROTOR BEARING SUPPORTS
FOR WIND TURBINES

FAG

Asymmetric Spherical Roller Bearings

SCHAEFFLER

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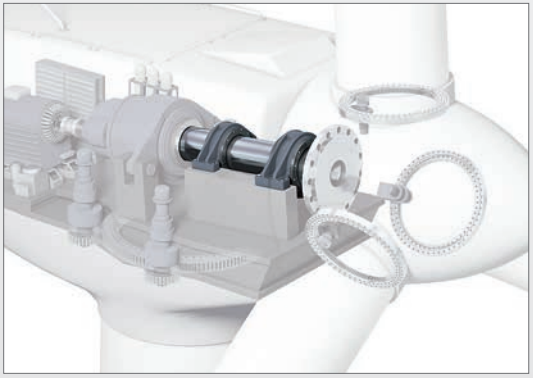
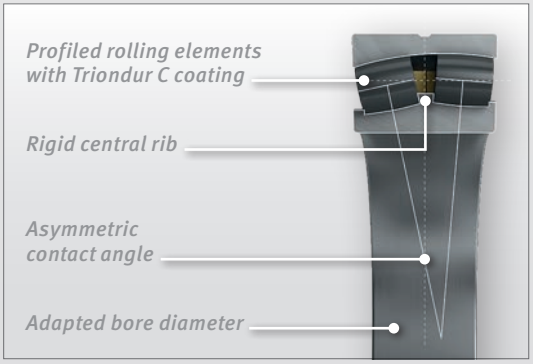
Asymmetric FAG spherical roller bearings





Reliable rotor bearing supports

As a development partner to the wind turbine industry, we have been producing bearing supports for this sector for over 30 years. In partnership with our customers, we develop the most efficient bearing support for every application.

The rotor shaft bearing support is of central importance in wind turbines. This is where all the forces act that are induced by the wind.

FAG spherical roller bearings are suitable for extremely heavy loads. We have consistently further developed this proven bearing solution in order to increase the operating life even further.

Product features

- Asymmetric contact angle
- Adjusted internal clearance
- Profiled rolling elements
- Rigid central rib
- Identical dimensions to standard bearings
- Rolling elements coated with Triondur C
- Inner ring matched to suit the shaft for reconditioning

Asymmetric design for even higher axial load carrying capacity

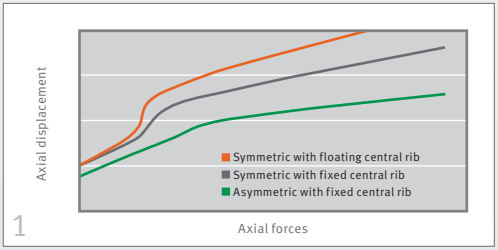
The asymmetric spherical roller bearing has a larger contact angle on the bearing row subject to axial loads and a smaller contact angle on the bearing row subject only to radial loads.

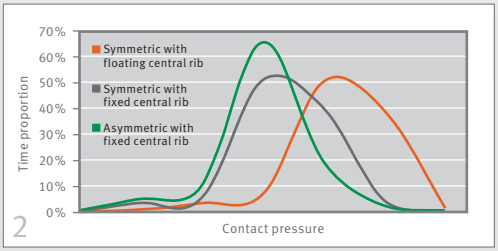
Technical advantages

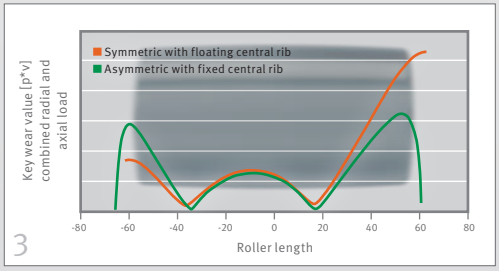
1. Reduced vibrations in the drive train due to increased axial rigidity
2. Increased robustness due to further decrease in the contact pressure
3. Increased robustness due to lower key wear values

Customer benefits

- Longer operating life
- Interchangeable with standard bearings
- Reduced overall operating costs (TCO)







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