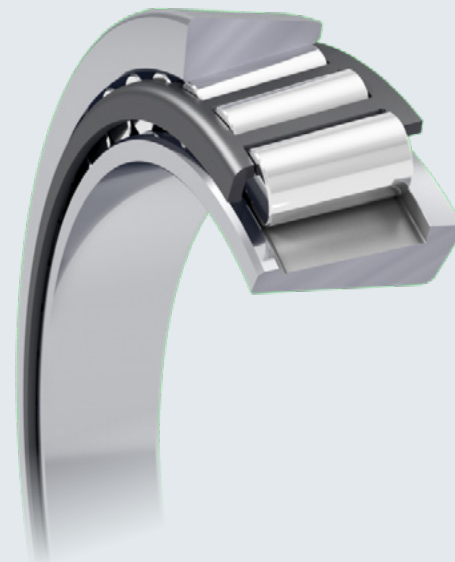




rothe erde® main bearing

Technical information for the product on display

- ➞ The Tapered Roller Bearings (TRBs) in an O-arrangement combine high radial and axial load carrying capacity with excellent stiffness, making them a preferred solution for demanding wind turbine applications.
- ➞ The TRBs are custom-designed by Rothe Erde to meet the specific requirements of different drivetrain concepts and operating conditions.



Description

This exhibit shows a typical wind turbine main bearing arrangement consisting of two adjusted Tapered Roller Bearings arranged in an O-arrangement.

Advantages

- High radial and axial load carrying capacity
- High system stiffness due to bearing preload
- Enables a compact system design
- Low friction and high efficiency
- Suitable for geared and direct-drive wind turbine concepts
- Well-established solution for onshore and offshore wind turbine applications
- Long service life through optimized bearing design and induction hardening

Customer benefit



Cost competitive



High-performing



Long durability



Efficiency