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engineering.tomorrow.together.

Wind Aftermarket

rothe erde slewing bearings
rothe erde rings
psl rolling bearings



thyssenkrupp



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This is us thyssenkrupp rothe erde

thyssenkrupp rothe erde with its global presence is developing and delivering specific bearings to the wind industry since the first turbine has been built in the 80's. In North America we have been supplying these products under the Rotek brand name. Rotek, now thyssenkrupp rothe erde USA Inc. continues to be your partner for the wind aftermarket slewing bearings and will supply slewing bearing products under the globally aligned brand name rothe erde.

Replacement Bearings for the MRO Market

thyssenkrupp rothe erde has been supplying hundreds of thousands bearings globally for the following OEMs under product labels such as Rotek, Roballo, Robrasa, XREB.

- Acciona
- Alstom Wind / Ecotecnia
- Dewind
- Enercon
- Gamesa
- Ge Wind Energy
- Inox Wind Limited
- Made/Gamesa
- Mitsubishi
- Neg Micon
- Nordex Energy
- Regen Powertech
- Repower / Servion
- Siemens Wind
- Suzlon
- Vergnet
- Vestas

Upgrades

Standard Upgrades Through Operational Excellence

Specifically the Wind Energy Market has been driving significant continuous improvement measures over the last 10 years. All of our bearing products are manufactured according to the latest state of the art technology:

- Cleanliness requirements in forged rings
- Inspection services and failure analysis
- Improved quality in rolling elements
- Improved ultrasonic and other non-destructive testing methods and frequencies
- Process improvements
- Validation in world's largest R&D facility for blade bearings
- World's longest track record for blade bearings within the entire wind industry

Additional Optional Upgrades

- Enhanced raceway load capacity
- Various options for bolt hole corrosion protection
- Independent certified finite element calculation methods
- Improved sealing
- Closed and coated cage options



Service and Refurbishment

Have thyssenkrupp rothe erde demonstrate to you how remanufacturing services can improve turbine availability, reduce maintenance cost, and reduce the overall environmental impact of wind turbine operations. Our state-of-the-art bearing refurbishment facility in North America utilizes bearing remanufacturing services to deliver a significantly more cost effective, efficient and environmentally friendly approach to the challenge of wind energy generation.

