

Insulated Bearing for Wind Turbines

This electrical insulation bearing is designed for applications requiring electrical isolation. It offers reliable performance and extended service life.



Overview

Advanced Electrical Insulation

Insulated bearings are specialized components engineered to prevent electrical current from passing through the bearing assembly. Featuring a ceramic coating with a thickness ranging from 50-200 μm , these bearings provide robust electrical insulation. They are specifically designed to resist electrical flashover and maintain reliable performance in high-voltage environments, ensuring extended service life for critical machinery.

Technical Specifications

Ceramic Coating Thickness

50 μm Minimum	200 μm Maximum
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Voltage Resistance	1000V and above
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Industrial Applications

Equipment Compatibility

- Wind Turbines
- Hydro-generators
- Thermal Generators
- Locomotives
- High-power Variable Frequency Motors
- Compressors and Pumps
- Mining and Coal Preparation Machines

Primary Industry Sectors	Power Industry, Railway Industry, Machinery & Metallurgy, Mining Machinery, Petro-chemical
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