

Insulated Bearing 6314 for Wind Turbines

Insulated bearings designed for wind power applications. They feature inner and outer ring insulation equivalent to VL0241/VL2071/J20AA insulation grades.



Product Overview

Insulated Bearing 6314 for Wind Turbines

This insulated bearing is engineered to prevent electrical current from passing through the bearing, protecting critical machinery from damage. Featuring a specialized ceramic coating on the surface, it provides effective electrical insulation and resists electrical flashover under voltages of 1000V. Designed for reliability, this component is essential for high-power applications in the power, railway, and heavy industrial sectors.

Technical Specifications

Coating Thickness

50 μm

Min Coating Thickness

200 μm

Max Coating Thickness

Bearing Model	6314
Voltage Resistance	1000V (Standard), higher voltages supported with thicker coating
Insulation Grades	VL0241, VL2071, J20AA

Applications

Key Industries

- Power Industry (Wind, Hydro, Thermal)
- Railway Industry
- Machinery and Metallurgy
- Mining Machinery
- Petrochemical Industry

Compatible Equipment

Industry	Typical Equipment
Power Generation	Wind turbines, hydro-generators, thermal generators
Machinery/Metallurgy	Cranes, textile machines, printing machines, steel rolling equipment
Mining	Crushers, ball mills, grinders, coal preparation machines
Petrochemical	High-power explosion-proof motors, compressors