



WIND ENERGY BEARINGS GENERATOR

Wind turbine technology continues to pursue increased equipment efficiency, higher reliability and longer service. In an electric environment, electrolytic corrosion from stray currents passing through an improperly grounded shaft can threaten bearing performance. A bearing insulated from electric current can prevent raceway damage and extend generator life.

Ceramic-Coated Bearings

MEGAOHM™ bearings feature a special ceramic coating applied to the outer surface and side faces of the outer ring to prevent current from passing through the bearing. MEGAOHM™ bearings are used in OEM applications and provide insulation resistance of at least 2,000 MΩ under normal operating temperatures.

Ceramic Hybrid Bearings

For especially problematic applications, NTN offers ceramic hybrid bearings. Using conventional steel inner and outer rings, silicon nitride rolling elements provide excellent electrical insulation while reducing rotating mass and improving heat dissipation. The unique properties of ceramic rolling elements can also extend service life and extend grease intervals.



NTN Ceramic Bearings Features & Benefits



- OEM approved and industry preferred
- Ball & Cylindrical Roller Bearings
- Extensive OE experience and service history
- Insulation resistance of at least 2,000 MΩ to guard against stray currents
- Fully customizable seals, shields and clearances
- Available in bore diameters ranging from 50 to 160 mm
- Specialized quality inspection with individual bearing serial numbering
- Local inventory