

## Ball Bearings - Ceramic-Coated

NSK's Ceramic-Coated Ball Bearings with high insulation resistance are optimal for applications that are susceptible to bearing damage and failures due to electrical corrosion. Ceramic-coated ball bearings are plasma sprayed to ensure a proper bonding to the bearing steel. The coating is sealed with a special acrylic resin that helps prevent significant deterioration of electrical resistance. These bearings are supplied across the world for industrial motors & generators, traction motors and wind energy applications.

### Product Features

- Ceramic-coated bearing ring
- Optimised thickness of ceramic coating
- High durability of the coating due to specific plasma spray process
- Acrylic resin layer to seal the coating and to optimise the insulation capability
- Available with standard bearing dimensions

### Benefits

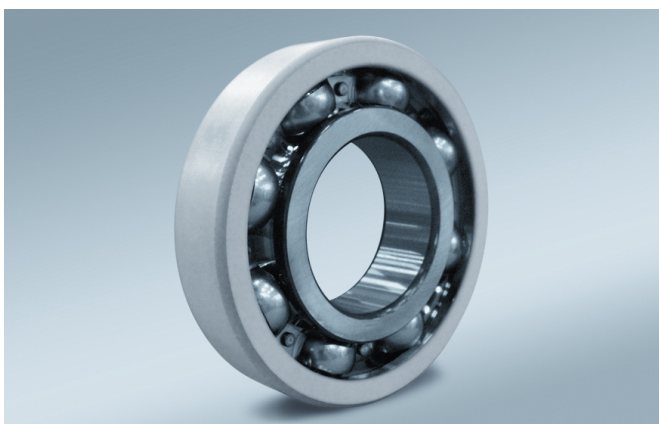
- High insulation resistance
- High cost efficiency due to increased bearing life
- Cheaper when compared to hybrid bearings
- Special preparation of the housing bore is not required

### Condition Description

- Corrosive Environment

### Industries

- Electric Motors
- Power Generation
- Power Transmission
- Wind Energy



6218 HD2 C3

#### Description

6218	Bearing type and series
HD2	Bore diameter
C3	Ceramic Coating / Radial internal clearance