

Electrically Insulated Deep Groove Ball Bearing

This electric insulated bearing utilizes specialized coating technology. The coated outer surface provides strong insulation, preventing electrical erosion and extending the bearing's service life.



ADDITIONAL IMAGES



Product Overview

Advanced Electrical Protection

These deep groove ball bearings utilize advanced spraying technology to apply a high-quality aluminum oxide coating to the inner or outer rings. This specialized insulation layer effectively prevents electrical erosion caused by induced currents, thereby protecting the grease, rolling elements, and raceways from damage. Engineered for reliability, these bearings significantly extend operational service life in environments where electrical currents are a concern.

Technical Specifications

Standard Voltage Capacity	1000 V DC
Custom Voltage Range	500V - 3000V DC
Coating Location	Inner Ring, Outer Ring

Applications

Suitable Industries

Power Generation • Railway • Metallurgy • Petrochemical • High-Voltage Motors

Available Types

Insulated Bearing Varieties

- Deep Groove Ball Insulated
- Angular Contact Ball Insulated
- Self-Aligning Ball Insulated
- Cylindrical Roller Insulated
- Tapered Roller Insulated

Model Ranges

Copper Cage Deep Groove Models

Series	Range
60 Series	6003M/C3 - 60/600M/C3
62 Series	6203M/C3 - 6260M/C3
63 Series	6303M/C3 - 6352M/C3
64 Series	6407M/C3 - 6426M/C3