

Insulated Bearings for Traction Motors - Ceramic

NSK has developed ceramic coating insulated bearings and PPS-resin coating insulated bearings to prevent electric pitting. Relationship between temperature and insulation resistance of ceramic-insulated bearings was assessed. As a result, no deterioration of insulation resistance up to 110° C was observed.

Product Features

- Isolating Items
- Down-sizing
- Long life
- High reliability
- High strengthened cage

Benefits

- Electric pitting protection
- Proper cage design (DGBB and CRB)
- Proper contact point design (CRB)
- Traceability
- Roughness control of the raceway
- Roller and ball surface
- Bearing material are vacuum degassed for high purity
- Dimensional stability of bearing steel
- Bearings are manufactured to ISO Class 6

Condition Description

- Electrical leakage
- High Accuracy

Industries

- Railway

