



NSK Global Quality

ASEAN & Oceania

www.nsk.com

HDY2 CERAMIC-COATED INSULATING BEARINGS

NSK's new ceramic-coated insulating bearings are designed to support energy efficiency and the expanding adoption of inverter-controlled motors, while effectively contending with the associated risk of electrical current damage to bearings. With advancements in product design to optimize insulation and thermal conductivity characteristics, NSK's HDY2 series bearings deliver a reliable contribution to energy efficiency and reduced power consumption.

PROVEN BENEFITS

- > Effective prevention of electrical corrosion damage
- Superior insulation properties, with performance improved greater than 10 times
- Improved durability, with new optimized coating demonstrating 3
 times the shock resistance of conventional ceramic-coated bearings
- > Excellent heat dissipation
- > Dimensionally interchangeable with standard bearings

CONDITIONS

- > Electrical Current
- > High Speeds
- > Low Noise

APPLICATIONS

- Industrial motors
- > Power generation

DESIGN FEATURES

- > Alumina-based ceramic coating material with optimized additives
- > Bearings are manufactured from ultra-clean steel for extended fatigue life
- > Bearings are plasma sprayed to ensure appropriate bonding to the bearing steel
- > Coating is sealed with a special acrylic resin
- > High-grade balls for quiet and smooth operation at high speeds
- > Super-finished raceways minimize noise and improve lubricant distribution
- Available for series 62 from 70 to 150 mm bore diameter; for series 63 from 60 to 150 mm bore diameter
- > Open type, with C3 radial internal clearance



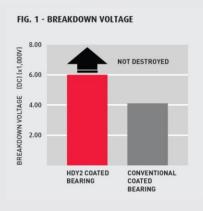


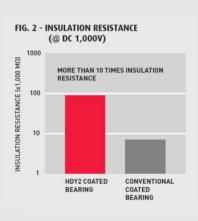
HDY2 CERAMIC-COATED INSULATING BEARINGS

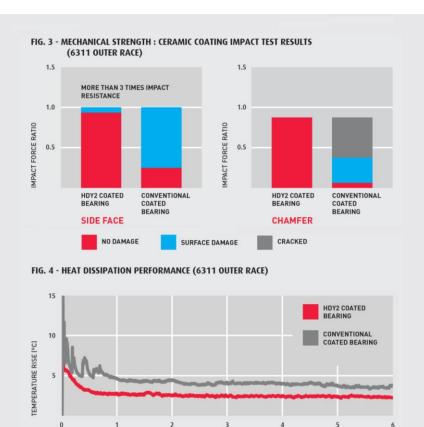


www.nsk.com

PRODUCT PERFORMANCE







TIME IN HOURS

NSK ITEM DESIGNATION

62	16 HDY2 C3
	Description
62	Bearing Series
16	Bore Number
HDY2	Current insulated 1000 V
С3	Clearance

For enquiries, please contact your local sales.

NSK Ltd is a leading supplier of bearings, precision machinery & parts and automotive components. Founded in 1916 and headquartered in Tokyo, the group operates 106 sales sites and 66 production sites in 31 countries, employing over 30,577 (as of March 31, 2022) people worldwide.