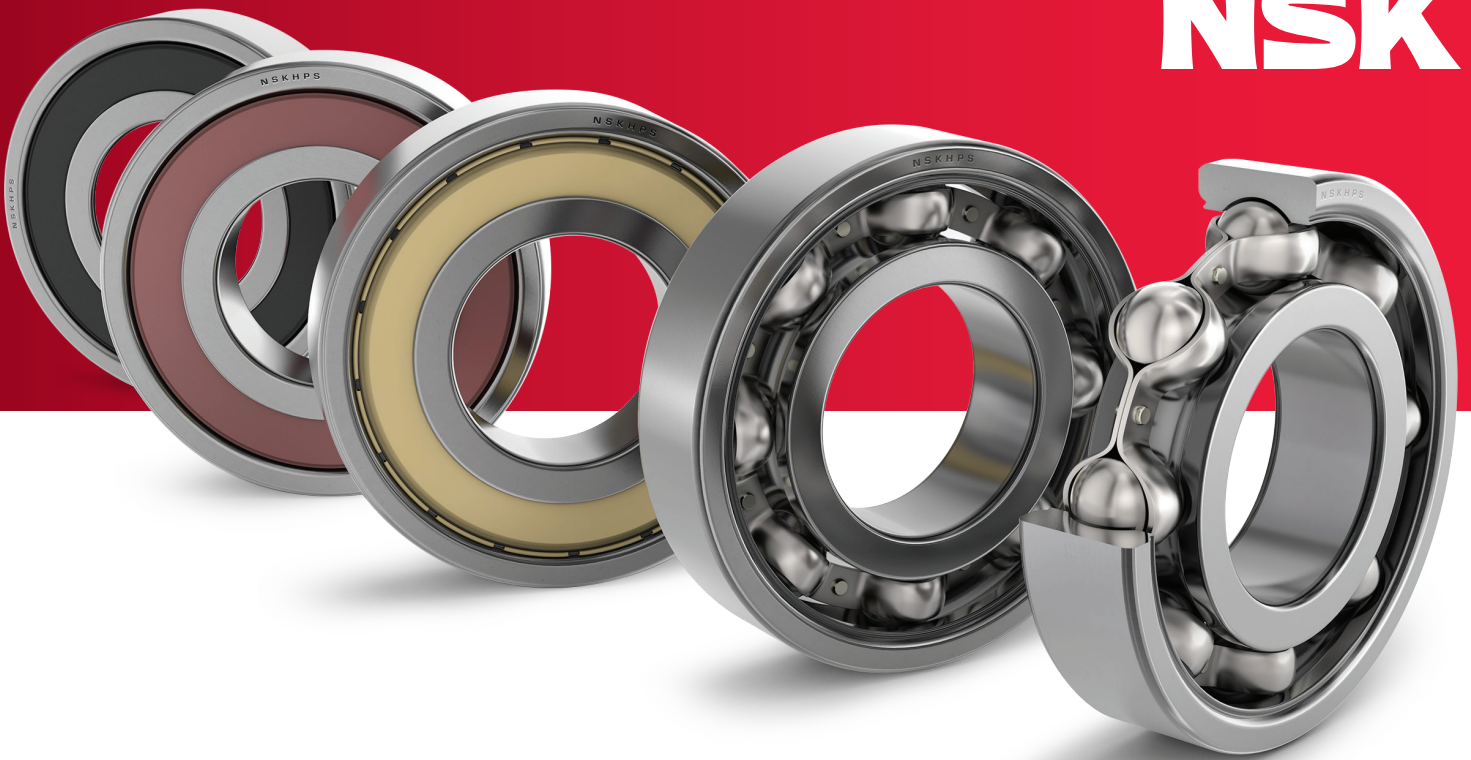


NSK



NSKHPS DEEP-GROOVE BALL BEARINGS

NSKHPS Deep-Groove Ball Bearings are designed to deliver unsurpassed performance for a wide variety of applications. Precision high-grade balls and super-finished raceways provide smooth and quiet operation, even at high speeds. Advanced lubricant technologies and sealing designs ensure optimum performance and reliability in the most challenging environments.

PROVEN BENEFITS

- › High steel cleanliness promotes fatigue strength
- › Bearing life as much as 15% higher than conventional designs
- › Quiet and smooth operation even at high speed
- › Limiting speed increased by 15%
- › Seal/shield options provide protection against varying degrees of contaminated environments

CONDITIONS

- | | | | |
|-----------|---------------|-----------|---------------|
| HS | HIGH SPEEDS | Q | LOW NOISE |
| HA | HIGH ACCURACY | CO | CONTAMINATION |

APPLICATIONS

- › Appliances
- › Electric motors
- › Electrical equipment
- › Fans and blowers
- › Manufacturing machinery
- › Pumps
- › Transmissions

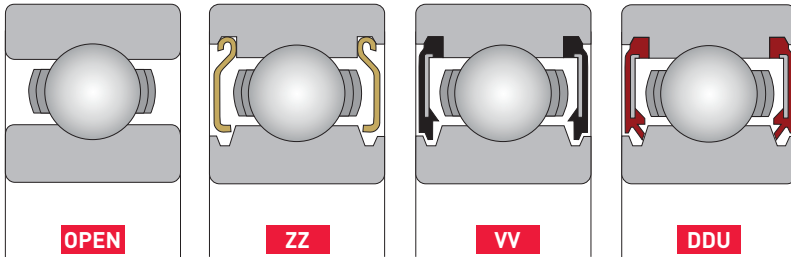
STAY IN MOTION. STAY IN CONTROL.

DESIGN FEATURES

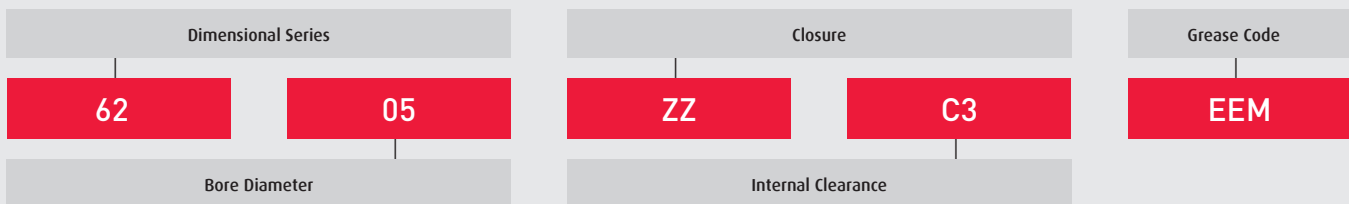
- › Manufactured from ultra clean steel for extended bearing fatigue life
- › High-grade balls for quiet and smooth operation even at high speeds
- › Super-finished raceways minimize noise and improve lubricant distribution and life
- › High-performance greases accommodate extreme temperatures, water resistance and high speeds
- › Available as open bearing or with seals/shields
- › For series 60, 62 and 63, up to 120 mm bore diameter

CLOSURE OPTIONS AND CHARACTERISTICS

CHARACTERISTIC	ZZ NON-CONTACT SHIELD	VV NON-CONTACT SEAL	DDU CONTACT SEAL
DUST PROOFING	NORMAL	GOOD	EXCELLENT
WATERPROOFING	UNSUITABLE	UNSUITABLE	EXCELLENT
TORQUE	VERY LOW	VERY LOW	NORMAL
CONSTANT REVOLUTIONS	HIGH	HIGH	NORMAL
LUBRICANT LEAKAGE	NORMAL	GOOD	EXCELLENT



DESIGN SPECIFICATIONS



Dimensional Series	60, 62, 63
Bore Diameter	From 10 to 120 mm
Closures	ZZ: non-contact shields VV: non-contact seals

Internal Clearance	Blank: CN (normal) C3: > CN C4: > C3 CM: for Electric Motors
Standard Greases	EEM: Exxon Mobil Polyrex™ EM NS7: NS Hi-Lube AS2: Shell Alvania S2 SRI: Chevron SRI 2