



DEEP GROOVE BALL BEARINGS

Due to the versatility of applications, single row deep groove ball bearings are among the most frequently used type of rolling bearings. They are simple in design, non-separable, suitable for high speeds, and require little maintenance.

NBC has developed numerous solutions keeping a wide range of application demands. Our expertise guarantees ultimate design, product, and testing to meet customer-specific requirements as stated below:

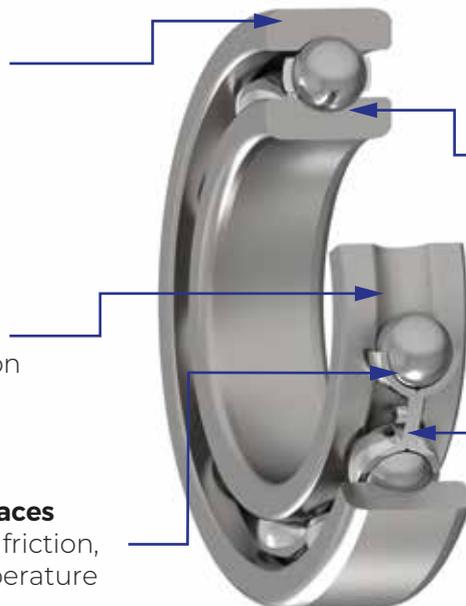
- Low noise and vibration
- Low torque
- Lower operating temperature
- Greases for a wide range of temperature
- Protection against all types of contamination
- Enhanced life

● FEATURES & BENEFITS

Clean bearing steel
for longer bearing service life

Precisely controlled ball and race geometries
for reduced noise and vibration

Superfinished balls and races
for higher speed, reduced friction, and lower operating temperature



Optimized ball and race contact
for lower operating temperature

Enhanced cage design
for higher speeds, improved lubrication film



● **NBC also offers:**

Hybrid bearings

for higher speeds and superior current insulation



Alumina coated Insuohm bearings
for current insulation

● **Cage Variants**



Polyamide



Brass



Steel

Size range	3-360 mm OD
Seal variants	<ul style="list-style-type: none"> • Open , Shielded (ZZ), and Sealed (LU, RS) • Specially designed low Torque Seals (LH, LV)
Cage designs	Brass, Steel and Polyamide
Clearance	C2, CN, C3, C4, and C5
Special Design Variants	Snap ring and Snap ring groove on Outer diameter for ease of location in the housing.

● **Industries**

- Industrial Gear Box
- Material Handling
- Food & Beverages
- Textile Machinery
- Electric Motors & Generators
- Pumps & Compressors



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