



SELF-ALIGNING BALL BEARING

With two rows of balls and common spherical raceways in the outer ring, this type of ball bearing has self-aligning properties that allow it to function properly even with misalignment of the shaft with respect to the housing.

● FEATURES & BENEFITS

Point contact on outer and inner raceway

Provides less coefficient of friction which allows bearing to run at lower operating temperature and higher speed

Better surface finish of raceway

Allows bearing to run at higher speeds



Static and dynamic misalignment

Sphered outer ring raceway design accommodates static and dynamic misalignment

Higher load carrying capacity

Two rows with increased number of balls permit heavy loads



● Cage variants



Polyamide cage

- o Reduced vibration and noise
- o Reduced friction



Steel cage

- o Most common design
- o High strength



Brass cage

- o Harsh application conditions
- o High centrifugal loading

● Sealed Self Aligned Ball Bearing

Specially designed to perform under a harsh operating environment in industries, NBC Sealed Self Aligning Ball bearing performs efficiently in highly contaminated conditions, reduces maintenance costs, and minimizes the possibilities of an unplanned shutdown.



Features

- o Contact type Seals
- o Seal material: Nitrile rubber seals as standard.
(also available in high temperature Fluoroelastomer material)
- o Pre-Greased

Benefits

- o Longer operating life, reduced maintenance
- o Protection against contamination and pollution thereby reducing the risk of bearing failure.
- o Higher reliability
- o Long service life

Size range	10-200 mm OD
Cage variants	Brass, Steel, and Polyamide
Bore designs	Straight and Tapered (1:12)
Clearances	C2, CN, C3, and C4

● Industries

- o Textile Machinery
- o Food & Beverages
- o Pumps & Compressors
- o Material Handling
- o Electric Motor & Generators



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