WINNER
DEMING GRAND PRIZE

nbc®

CKA Birla Group

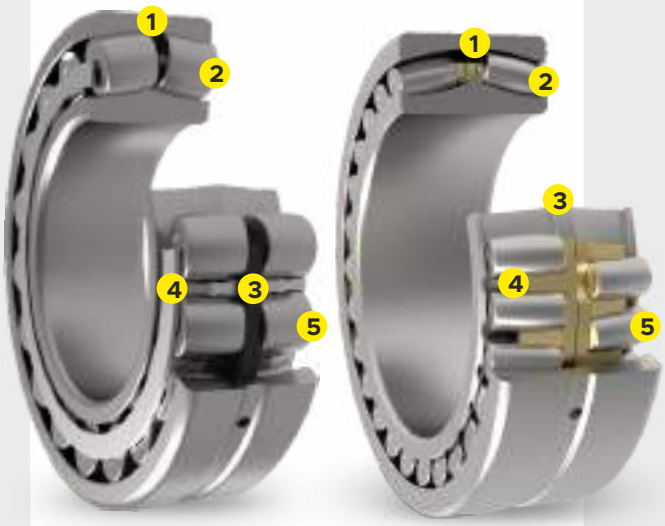
Spherical Roller Bearings

With a bearing that needs to withstand high temperature, contamination, increased speed, and overloading, a long operating life becomes challenging. However, with the suitable material, innovative technology, and design, NBC has added some beneficial features to Spherical Roller Bearing that will be performance enhancers.

NBC Engineering Solution

Being one of the key players in bearing manufacturing, NBC ensures that its Spherical Roller Bearings:

- ✓ Withstand high-temperature conditions
- ✓ Have enhanced performance and uptime
- ✓ Incur lower operating cost
  Have longer life
- ✓ Engineered to have a robust design to increase reliability



Steel Cage **Brass Cage**

Features & Benefits

1. Two-piece cage design This allows both rows to run independently thereby avoiding any risk of roller slippage, smearing and cage damage.
2. Enhanced Roller/race finishing to reduce Friction Enhanced race/roller surface finish results in improved lubrication film, which avoids metal-to-metal contact and lowers bearing operating temperature.
3. Central Guide Ring/Flange Central guide ring/flange provides optimal guidance to the rollers and limits rollers skew thus avoids unnecessary force on cage.
4. Improved and Robust cage design Helps in better roller cage interaction and can accommodate more rollers, longer cage life.
5. Maximum and Larger Rollers For enhanced load carrying capacity.

Steel Cage Bearing

- Surface hardened and lightweight cage design
- Suitable for high-speed applications
- Gives adequate performance for majority of applications

Brass Cage Bearing

- Brass cage bearings can deliver extra durability in extreme operating conditions
- Better performance in shock load applications
- Suitable for high centrifugal loading
- Better performance in reversing applications

Specifications

Size range	25-500 mm
Bore designs	Straight bore, Tapered bore (1:12, 1:30)
Cage variants	Brass and steel
Clearances	C2, CN, C3, C4 and C5
Design conf gurations	SA, SB, S, MB

Industries

- ✓ Fans and Blowers
- ✓ Construction Equipment
- ✓ Windmill Gearboxes
- ✓ Calender Roll
- ✓ Vibratory Applications
- ✓ Raw Mill

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