



CKA Birla Group

NBC's Solution to Caster Application

An important linking process between steel making and rolling, continuous casting, also known as strand casting converts liquid steel into continuous solid strands. As it involves passing molten steel in a ladle to mold via a tundish guided by multiple support rollers, the overall reliability of the casting process is mainly dependent on the performance of driven roller bearings.

NBC Engineering Solution

High heat stabilization

The bearing is stabilized at a temperature of 200°C which ensures smooth operation at high temperature condition.

Two-piece cage design in steel and brass variant

This allows both rows to run independently, thereby avoiding any risk of roller slippage, smearing and cage damage.

Superfinished roller & race to reduce friction

This results in improved lubrication film, which avoids metal-to-metal contact in low speed applications.

Central guide ring - Steel cage variant

The central guide/flange provides optimal guidance to the rollers and limits roller's skew, thus avoiding unnecessary force on the cage.

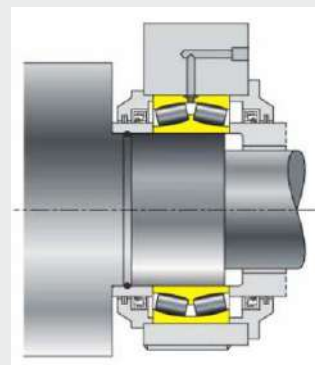
Improved and robust cage design - Steel cage variant

It helps in better roller cage interaction and longer cage life. Special treated surface offers better wear resistance.



Operating Conditions

- ✓ Water vapour
- ✓ Scale ingress
- ✓ Very low speed
- ✓ Deflection of rolls
- ✓ High temperature
- ✓ High radial load



Range Availability

Bearing Number	Bore size (mm)	Cage Material
22218 EC W33 C3 S1	90	Steel
22218 EC W33 C4 S1	90	Steel
24024 CC W33 P6 C3 S1	120	Steel
24024 CC W33 P6 S1	120	Steel
24026 CC W33 P6 C3 S1	130	Steel
24026 CC W33 P6 S1	130	Steel
24028 CC W33 P6 C3 S1	140	Steel
24028 CC W33 P6 S1	140	Steel
24030 CC W33 P6 C3 S1	150	Steel
24030 CC W33 P6 S1	150	Steel
24030 MBD W33 P6 C3 S1	150	Brass
24030 MBD W33 P6 S1	150	Brass
23030 CC W33 P6 C3 S1	150	Steel
23030 CC W33 P6 S1	150	Steel
24032 CC W33 P6 C3 S1	160	Steel
24032 CC W33 P6 S1	160	Steel
23036 CC W33 P6 C3 S1	180	Steel
23036 MBD W33 P6 C3 S1	180	Brass
23036 MBD W33 P6 S1	180	Brass

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