

## Double row Full Complement Roller Bearings



Double row full complement cylindrical roller bearings are all supplied with a lubrication groove with holes in the outer ring, which enables full lubrication access into the rolling space of each row of cylindrical rollers. The inner ring of the NNC, NNCL and NNCF design has three guiding flanges to ensure guiding accuracy of cylindrical rollers. They differentiate by the number of guiding flanges and snap rings in the outer ring. These components stop the rolling elements from falling out. Double row full complement cylindrical roller bearings are available as non-locating, semi-locating and locating bearings.

**Comparison Table of Double row Full Complement Cylindrical Roller Bearing**

| INA Type Code | SKF Type Code | Characteristic                                         | Example           |
|---------------|---------------|--------------------------------------------------------|-------------------|
| SL0148xx      | NNC48xx       | Locating bearing, Double-row, Dimension Series 48      | SL014848=NNC4848  |
| SL0149xx      | NNC49xx       | Locating bearing, Double-row, Dimension Series 49      | SL014918=NNC4918  |
| SL1850xx      | NNCF50xx      | Half-locating bearing, Double-row, Dimension Series 50 | SL185028=NNCF5028 |
| SL0248xx      | NNCL48xx      | Non-locating bearing, Double-row, Dimension Series 48  | SL024832=NNCL4832 |
| SL0249xx      | NNCL49xx      | Non-locating bearing, Double-row, Dimension Series 49  | SL024936=NNCL4936 |
| SL04..-PP     | NNF..PP       | Locating bearing, Double-row, with ring groove         | SL04130=NNF130    |
| SL0450..-pp   | NNF50..pp     | Locating bearing, Double-row, Dimension Series 50      | SL045032=NNF5032  |

### **NNF series : Equivalent INA SL04 series**

**- Technical characteristics:**

- Locating bearing.
- Compact design
- Maximum load carrying capacity
- Sealed on both sides
- Suitable for low and medium speeds
- Capable to support axial forces in both directions and tilting moments
- Lubrication holes in outer and inner rings



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- Applications: rope wheels and pulleys

**NNC series: Equivalent INA type SL01 series**

- Technical characteristics:

Locating bearing

Open type - without seals

Inner ring with 3 fixed flanges

Two outer rings with internal flange

Oil groove and holes in outer ring

- Applications: reducer, pipe rolling machine transmission parts, hydraulic pump, gear pump, etc.



**NNCF series: Equivalent INA type SL1850 series**

- Technical characteristics:

Semi-locating bearing.

Open type - without seals

Can support radial & axial forces in one direction,

Single outer ring with one flange.

Outer ring located with one snap ring.

Inner ring with 3 flanges.

Oil groove and holes in outer ring.

- Applications: reducer, transmission part of pipe coiler, hydraulic pump, gear pump, etc.



**NNCL series: Equivalent INA type SL02 series**

- Technical characteristics:

Non locating bearing

Single outer ring without flange.

Outer ring located with a central snap ring.

Inner ring with 3 flanges.

Oil groove and holes in outer ring

- Application: Rope sheaves, Pulley



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**UNNC and UNNCL series: Equivalent INA type**

**SL05 and SL06 series**

- SL05 series is locating bearing
- SL06 seires is Non locating bearing
- The outer ring's outer diameter is in spherical shape.
- Single outer ring with flange.
- Split inner ring
- Oil groove and holes in outer ring



**LUOYANG TEDIN BEARING CO., LTD.**