

Full Complement Cylindrical Roller Bearings

ROLLWAY PRODUCT INFO



Why?

Full complement cylindrical roller bearings are capable of carrying higher radial loads than bearings that utilize a cage and roller design

Product features:

- Full complement construction, no cage included
- Largest possible amount of rolling elements, so very high radial load carrying capacity, high rigidity and suitable for particularly compact designs
- The design of the outer ring facilitates a great amount of internal axial float capacity

Applications:

- General machine industry
- Gear drives
- Rolling mills
- Crop shears

Primary types:

- **Non locating** bearings: only radial load carrying capacity
- **Semi locating** bearings: besides a high radial load carrying capacity, also a small axial load carrying capacity in one direction. This enables the bearing to locate a shaft unidirectional.
- **Locating** bearings: in addition to high radial load capacity also capable of carrying small axial load in both directions.

Dimensions:

	Inter-change code	Type	d (bore diameter) mm		D (outer diameter) mm	
			min	max	min	max
NCF	SL 18	semi locating	20	670	42	820
NJG	SL 19	semi locating	25	110	62	240
NNF	SL 04	locating	20	300	42	460
NNC	SL 01	locating	60	380	85	480
NNCF	SL 18 50	semi locating	20	380	42	560
NNCL	SL 02	non locating	60	380	85	520

Series:

Consult second page for an overview

Rollway Bearing nv

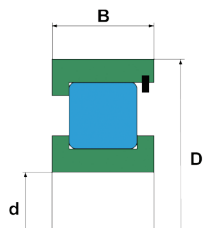
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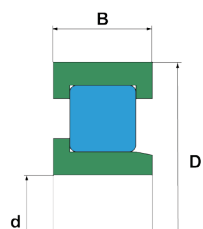
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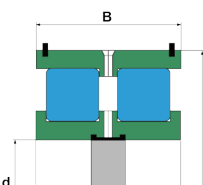
Single row: NCF

- Single inner ring with two fixed flanges
- Single outer ring with one fixed flange
- On the flangeless side of the outer ring is a retaining ring inserted which keeps the bearing components together
- The retaining ring is for handling purposes only, it cannot be exposed to axial load
- Outer ring is located with a snap ring



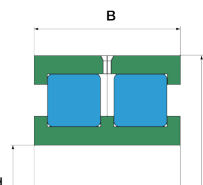
Single row: NJG

- Inner ring with one flange and one free side
- Single outer ring with two fixed flanges
- Special: Mainly for applications with very high radial load at low rotational speed
- Standard: self-retaining set of rollers so the rollers cannot fall out even if the inner ring is removed, which simplifies the assembly



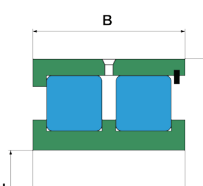
Double row: NNF

- 2 identical inner rings held together with metallic spring
- Single outer ring with a fixed central flange
- Oil groove and holes in both rings
- PP: sealed on both sides and lubricated
- 2NR: 2 snap rings



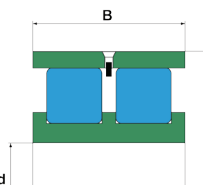
Double row: NNC

- Inner ring with 3 fixed flanges
- Two outer rings with internal flange
- Oil groove and holes in outer ring



Double row: NNCF

- Inner ring with 3 fixed flanges
- Single outer ring with one fixed flange
- Outer ring located with one snap ring which keeps all bearing components together
- Oil groove and holes in outer ring



Double row: NNCL

- Inner ring with 3 fixed flanges
- Single outer ring with one fixed flange
- Outer ring located with a central snap ring to keep all bearing components together
- Oil groove and holes in outer ring

APPLICATION CONSIDERATIONS

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