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BC1-0547 B

Single row cylindrical roller bearing with extended inner ring, NUB design

Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the outer ring and no flanges on the inner ring, NUB design bearings can accommodate axial displacement in both directions. The inner ring is extended on both sides, enabling larger axial displacements. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged. Also available on request with special sized bore and/or outside diameters, suitable for reworked shafts and housings.

- High radial load carrying capacity
- Low friction
- Long service life
- Accommodate axial displacement in both directions
- Separable design

Overview

Dimensions

Bore diameter	50 mm
Outside diameter	90 mm
Width	30 mm

Performance

Basic dynamic load rating	73.5 kN
Basic static load rating	69.5 kN
Reference speed	7 500 r/min
Limiting speed	9 000 r/min

Properties

Bearing part	Complete bearing
Axial displacement capability	In both directions
Number of rows	1
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Machined brass
Inner ring extension	On both sides
Number of flanges, outer ring	2
Number of flanges, inner ring	0
Loose flange	None
Radial internal clearance	C3
Tolerance class	Normal
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	2.3 kg CO_2e

Logistics

Product net weight	0.619 kg
eClass code	23-05-09-01
UNSPSC code	31171505

Compatible products

Mounting tool

Bearing fitting tool kit	TMFT 36
Bearing fitting tool kit, PRO version	TMFT 36/PRO

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