

Image may differ from product. See technical specification for details.

BC1-0312

Single row cylindrical roller bearing, NJF 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 one on the inner ring, NJF design bearings can accommodate axial displacement in one direction. A retaining ring on the inner ring provides a shoulder to hold the bearing components in place. The retaining ring should not be loaded axially during operation. 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
- Locate the shaft axially in one direction

Overview

Dimensions

Bore diameter	25 mm
Outside diameter	52 mm
Width	15 mm

Performance

Basic dynamic load rating	32.5 kN
Basic static load rating	27 kN
Reference speed	14 000 r/min
Limiting speed	16 000 r/min

Properties

Bearing part	Complete bearing
Number of rows	1
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Non-metallic
Number of flanges, outer ring	2
Number of flanges, inner ring	1
Loose flange	None
Radial internal clearance	CN
Tolerance class	Normal
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	0.5 kg CO_2e

Logistics

Product net weight	0.136 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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