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BA2B 636039 A

Double row angular contact ball bearing

Double row angular contact ball bearings correspond, in their design and operation, to a pair of single row angular contact ball bearings in a back-to-back arrangement, while requiring less axial space. They can operate at high speeds and are more suitable than deep groove ball bearings for supporting large axial forces in both directions.

- High-speed capability
- Accommodate relatively high radial loads, high axial loads in both directions and tilting moments
- Suitable where a stiff bearing arrangement is required
- Require less axial space than equivalent pair of single row angular contact ball bearings

Overview

Dimensions

Bore diameter	50 mm
Outside diameter	96 mm
Width	30.2 mm
Contact angle	20 °

Performance

Basic dynamic load rating	67.6 kN
Basic static load rating	55 kN
Reference speed	7 000 r/min
Limiting speed	6 000 r/min

Properties

Contact type	Normal contact (two-point contact)
Number of rows	2
Locating feature, bearing outer ring	Snap ring groove
Ring type	One-piece inner and outer rings
Arrangement of contact angle (double-row bearing)	Back-to-back (O)
Matched arrangement	No
Universal matching bearing	No
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	3.2 kg CO_2e

Logistics

Product net weight	0.855 kg
eClass code	23-05-08-03
UNSPSC code	31171531

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