



3222 A/C3

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	110 mm
Contact angle	30 °
Outside diameter	200 mm
Width	69.8 mm

Performance

Basic dynamic load rating	212 kN
Basic static load rating	212 kN
Limiting speed	2 800 r/min
Reference speed	3 400 r/min

Properties

Arrangement of contact angle (double-row bearing)	Back-to-back (0)
Axial internal clearance	C3
Cage	Sheet metal
Coating	Without
Contact type	Normal contact (two-point contact)
Locating feature, bearing outer ring	None
Lubricant	None
Matched arrangement	No
Material, bearing	Bearing steel
Number of rows	2
Relubrication feature	Without

Ring type	One-piece inner and outer rings
Sealing	Without
Universal matching bearing	No

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