

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

3308 ANR/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, and are particularly suitable in applications where a stiff bearing arrangement is required. They can accommodate radial loads, axial loads in either direction

and tilting moments. They can operate at very high speeds and are more suitable than deep groove ball bearings for supporting large axial forces.

- High-speed capability
- Accommodate relatively high radial loads and large axial loads in both directions
- 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	40 mm
Outside diameter	90 mm
Width	36.5 mm
Contact angle	30 °

Performance

Basic dynamic load rating	65.5 kN
Basic static load rating	48 kN
Reference speed	7 500 r/min
Limiting speed	7 500 r/min
SKF performance class	SKF Explorer

Properties

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

Logistics

Product net weight	0.986 kg
eClass code	23-05-08-03

UNSPSC code	31171531

More Information

Product details

- Designs and variants
- General bearing specifications
- Loads
- Temperature limits
- Permissible speed
- Designation system

Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing interfaces
- Seat tolerances for standard conditions
- Selecting internal clearance or preload
- Lubrication
- Sealing, mounting and dismounting
- Bearing failure and how to prevent it

Tools

- SKF Product select
- SimPro Quick
- Bearing Frequency Calculator
- LubeSelect for SKF greases
- Heater selection tool
- SKF mounting and dismounting instructions

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