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3311 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	55 mm
Outside diameter	120 mm
Width	49.2 mm
Contact angle	30 °

Performance

Basic dynamic load rating	112 kN
Basic static load rating	81.5 kN
Reference speed	6 000 r/min
Limiting speed	5 300 r/min
SKF performance class	SKF Explorer

Properties

Contact type	Normal contact (two-point contact)
Number of rows	2
Locating feature, bearing outer ring	Snap ring (fitted)
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	2.27 kg
eClass code	23-05-08-03

UNSPSC code	31171531

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