

3318 DMA/VB188



Double row angular contact ball bearing with two-piece inner ring

Double row angular contact ball bearings, with two-piece inner ring, correspond to a pair of single row angular contact ball bearings in a back-to-back arrangement, while requiring less axial space than the equivalent pair of single row angular contact ball bearings. The two-piece inner ring enables incorporation of a larger number of balls, with a larger contact angle, providing a high load carrying capacity, especially in the axial direction.

- Accommodate very high axial loads in both directions, radial loads, and tilting moments
- Suitable where a stiff bearing arrangement is required
- Separable design means outer ring with ball and cage assemblies can be mounted independently of the inner ring halves

Overview

Dimensions

Bore diameter	90 mm
Contact angle	45 °
Outside diameter	190 mm
Width	73 mm

Performance

Basic dynamic load rating	225 kN
Basic static load rating	250 kN
Limiting speed	3 200 r/min
Reference speed	3 800 r/min

Properties

Arrangement of contact angle (double-row bearing)	Back-to-back (0)
Axial internal clearance	CN
Cage	Machined 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	Two-piece inner ring and one-piece outer ring
Sealing	Without
Universal matching bearing	No

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