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QJ 312 MA/C3

Four-point contact ball bearing

Four-point contact ball bearings can accommodate high axial loads in both directions and small radial loads. They can operate at very high speeds and are more suitable than deep groove ball bearings for supporting large axial forces. The outer ring, with ball and cage assembly, can be mounted separately from the two inner ring halves.

- High-speed capability
- Accommodate high axial loads in both directions and small radial loads
- Require considerably less axial space than double row angular contact ball bearings

Overview

Dimensions

Bore diameter	60 mm
Outside diameter	130 mm
Width	31 mm
Contact angle	35 °

Performance

Basic dynamic load rating	156 kN
Basic static load rating	137 kN
Limiting speed	9 000 r/min
SKF performance class	SKF Explorer

Properties

Contact type	Four-point contact
Number of rows	1
Locating feature, bearing outer ring	Without
Ring type	Two-piece inner ring and one-piece outer ring
Cage	Machined brass
Matched arrangement	No
Universal matching bearing	No
Axial internal clearance	C3
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	7.7 kg CO_2e

Logistics

Product net weight	2.09 kg
eClass code	23-05-08-05
UNSPSC code	31171538

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