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31316 J1/QCL7ADF

Matched tapered roller bearings arranged face-to-face

Matched tapered roller bearings arranged face-to-face (X-arrangement, load lines diverge towards the bearing axis) accommodate high radial loads and axial loads in both directions. The precision manufactured intermediate ring between the outer rings enables a defined internal clearance or preload to be achieved when mounted. Matched tapered roller

bearings are typically used in gearboxes, hoisting equipment, rolling mills, and machines in the mining industry.

- High radial load carrying capacity
- Designed for axial loads in both directions
- Relatively high stiffness
- Surface finish on the contact surfaces of the rollers and raceways that enhances operational reliability

Overview

Dimensions

Bore diameter	80 mm
Outside diameter	170 mm
Width, total	85 mm
Width, inner ring	78 mm
Width, outer ring	85 mm
Contact angle	28.811 °

Performance

Basic dynamic load rating	380 kN
Basic static load rating	530 kN
Reference speed	2 200 r/min
Limiting speed	4 000 r/min

Properties

Bearing part	Complete bearing
Number of rows	2
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Sheet metal
Matched arrangement	Face-to-face (X)
Number of bearings in matched set	2
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	With

Logistics

Product net weight	8.65 kg
eClass code	23-05-09-10

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