

31308/CL7CDF



Tapered roller bearing with two matched single row bearings arranged face-to-face

Tapered roller bearings with two matched single row bearings arranged face-to-face (X-arrangement) are based on popular sizes of single row tapered roller bearings. They have rows of rollers arranged face-to-face (load lines converge toward the bearing axis) and can accommodate tilting moments, axial loads in both directions and provide a relatively stiff bearing. They are typically used in gearboxes, hoisting equipment, rolling mills and machines in the mining industry, e.g. tunnelling machines.

- High radial load carrying capacity
- Designed for axial loads in both directions
- Accommodate tilting moment
- Relatively high stiffness
- Supplied with an intermediate outer ring spacer

Overview

Dimensions

Bore diameter	40 mm
Contact angle	28.811 °
Outside diameter	90 mm
Width, inner ring	46 mm
Width, outer ring	50.5 mm
Width, total	50.5 mm

Properties

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

Performance

Basic dynamic load rating	156 kN
Basic static load rating	163 kN
Limiting speed	7 500 r/min
Reference speed	4 500 r/min

Sealing	Without
Sealing type	Not applicable

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