

442213 Double row tapered roller bearing, TDO design



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SKF double row tapered roller bearings are ready-to-mount units, manufactured with a predetermined axial clearance or preload. TDO design bearings have a double row outer ring and two single inner rings that usually have an intermediate ring between them. Their roller sets are arranged back-to-back (O-arrangement), which enables them to accommodate tilting moments. Design variants include features such as a helical groove in the bore or lubrication grooves in the side faces of the bearing rings.

- High radial load carrying capacity
- Accommodate axial loads in both directions
- Relatively high stiffness
- Accommodate tilting moments
- Many variants, including a helical groove in the bore or lubrication grooves in the side faces of the bearing rings
- Ready to mount

Overview

Dimensions

Bore diameter	180 mm
Outside diameter	270 mm
Width, total	96.874 mm
Width, inner ring	109.538 mm
Width, outer ring	84.21 mm
Contact angle	17.65 °

Performance

Basic dynamic load rating	682 kN
Basic static load rating	1 600 kN

Properties

Bearing part	Complete bearing
Number of rows	2
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Sheet metal
Arrangement of contact angle (double-row bearing)	Back-to-back (O)

Matched arrangement	No
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	With

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