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580/572/Q

Single row tapered roller bearing

Single row tapered roller bearings are designed to accommodate combined radial and axial loads and provide low friction during operation. The inner ring, with rollers and cage, can be mounted separately from the outer ring. These separable and interchangeable components facilitate mounting, dismounting and maintenance. By mounting one single row tapered

roller bearing against another and applying a preload, a rigid bearing application can be achieved.

- High radial and axial load carrying capacity
- Accommodate axial loads in one direction
- Low friction and long service life
- Separable and interchangeable components

Overview

Dimensions

Bore diameter	82.55 mm
Outside diameter	139.992 mm
Width, total	36.512 mm
Width, inner ring	36.098 mm
Width, outer ring	28.575 mm
Contact angle	15.067 °

Performance

Basic dynamic load rating	187 kN
Basic static load rating	280 kN
Reference speed	3 400 r/min
Limiting speed	4 500 r/min

Properties

Bearing part	Complete bearing
Number of rows	1
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Sheet metal
Arrangement of contact angle (double-row bearing)	Not applicable
Matched arrangement	No
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Unit system	Inch

Logistics

Product net weight	2.18 kg
eClass code	23-05-09-10
UNSPSC code	31171516

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