



SKF 32960

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.

Technical specifications

General	
Dimension series	3FD
Dimensions	
Bore diameter	300 mm
Outside diameter	420 mm
Bearing width, total	76 mm
Shoulder diameter of inner ring	358.9 mm
Width of inner ring	76 mm
Width of outer ring	57 mm
Chamfer dimension of inner ring	4 mm
Chamfer dimension of outer ring	3 mm
Distance side face to pressure point	79.3 mm
Width, total	76 mm
Width, inner ring	76 mm
Width, outer ring	57 mm
Contact angle	14.8 °
Abutment dimensions	
Diameter of shaft abutment	325 mm
Diameter of shaft abutment	319 mm
Diameter of housing abutment	383 mm
Diameter of housing abutment	404 mm
Diameter of housing abutment	405 mm
Minimum width of space required in housing on large side face	13 mm
Minimum width of space required in housing on small side face	19 mm
Radius of shaft fillet	4 mm
Radius of housing fillet	3 mm
Calculation data	
Basic dynamic load rating	1126 kN
Basic static load rating	2240 kN
Fatigue load limit	186 kN
Reference speed	950 r/min
Limiting speed	1300 r/min
Limiting value	0.4
Calculation factor	1.5
Calculation factor	0.8
Performance	
Basic dynamic load rating	1126 kN
Basic static load rating	2240 kN
Reference speed	950 r/min
Limiting speed	1300 r/min
Properties	
Bearing part	Complete bearing
Number of rows	1

Locating feature, bearing outer ring	Without
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	Metric
Candidate for remanufacturing	Yes
Indicative carbon footprint for new product	114 kg CO ₂ e
Indicative carbon footprint for remanufactured product	39.9 kg CO ₂ e

Logistics	
Product net weight	31.7 kg
eClass code	23-05-09-10
UNSPSC code	31171516

SKF drawings