



SKF 32040 X

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	4FD
Dimensions	
Bore diameter	200 mm
Outside diameter	310 mm
Bearing width, total	70 mm
Shoulder diameter of inner ring	254.78 mm
Width of inner ring	70 mm
Width of outer ring	53 mm
Chamfer dimension of inner ring	3 mm
Chamfer dimension of outer ring	2.5 mm
Distance side face to pressure point	66 mm
Width, total	70 mm
Width, inner ring	70 mm
Width, outer ring	53 mm
Contact angle	16 °
Abutment dimensions	
Diameter of shaft abutment	222 mm
Diameter of shaft abutment	215.5 mm
Diameter of housing abutment	273 mm
Diameter of housing abutment	296.5 mm
Diameter of housing abutment	297 mm
Minimum width of space required in housing on large side face	11 mm
Minimum width of space required in housing on small side face	17 mm
Radius of shaft fillet	3 mm
Radius of housing fillet	2.5 mm
Calculation data	
Basic dynamic load rating	800 kN
Basic static load rating	1370 kN
Fatigue load limit	127 kN
Reference speed	1400 r/min
Limiting speed	1900 r/min
Limiting value	0.43
Calculation factor	1.4
Calculation factor	0.8
Performance	
Basic dynamic load rating	800 kN
Basic static load rating	1370 kN
Reference speed	1400 r/min
Limiting speed	1900 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	66.9 kg CO ₂ e
Indicative carbon footprint for remanufactured product	23.4 kg CO ₂ e

Logistics	
Product net weight	18.6 kg
eClass code	23-05-09-10
UNSPSC code	31171516

SKF drawings