



SKF 32044 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	220 mm
Outside diameter	340 mm
Bearing width, total	76 mm
Shoulder diameter of inner ring	280.88 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	72.1 mm
Width, total	76 mm
Width, inner ring	76 mm
Width, outer ring	57 mm
Contact angle	16 °

Abutment dimensions	
Diameter of shaft abutment	244 mm
Diameter of shaft abutment	238 mm
Diameter of housing abutment	300 mm
Diameter of housing abutment	325 mm
Diameter of housing abutment	326 mm
Minimum width of space required in housing on large side face	12 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	955 kN
Basic static load rating	1660 kN
Fatigue load limit	150 kN
Reference speed	1300 r/min
Limiting speed	1700 r/min
Limiting value	0.43
Calculation factor	1.4
Calculation factor	0.8

Performance	
Basic dynamic load rating	955 kN
Basic static load rating	1660 kN
Reference speed	1300 r/min
Limiting speed	1700 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	87.5 kg CO ₂ e
Indicative carbon footprint for remanufactured product	30.6 kg CO ₂ e

Logistics	
Product net weight	24.3 kg
eClass code	23-05-09-10
UNSPSC code	31171516

SKF drawings