



SKF 32236

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	4GD
Dimensions	
Bore diameter	180 mm
Outside diameter	320 mm
Bearing width, total	91 mm
Shoulder diameter of inner ring	247.2 mm
Width of inner ring	86 mm
Width of outer ring	71 mm
Chamfer dimension of inner ring	5 mm
Chamfer dimension of outer ring	4 mm
Distance side face to pressure point	77.6 mm
Width, total	91 mm
Width, inner ring	86 mm
Width, outer ring	71 mm
Contact angle	16.7 °
Abutment dimensions	
Diameter of shaft abutment	205 mm
Diameter of shaft abutment	199.5 mm
Diameter of housing abutment	267 mm
Diameter of housing abutment	303.5 mm
Diameter of housing abutment	303 mm
Minimum width of space required in housing on large side face	10 mm
Minimum width of space required in housing on small side face	20 mm
Radius of shaft fillet	5 mm
Radius of housing fillet	4 mm
Calculation data	
Basic dynamic load rating	1069 kN
Basic static load rating	1630 kN
Fatigue load limit	150 kN
Reference speed	1400 r/min
Limiting speed	1900 r/min
Limiting value	0.46
Calculation factor	1.3
Calculation factor	0.7
Performance	
Basic dynamic load rating	1069 kN
Basic static load rating	1630 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	106 kg CO ₂ e
Indicative carbon footprint for remanufactured product	37.2 kg CO ₂ e

Logistics	
Product net weight	29.5 kg
eClass code	23-05-09-10
UNSPSC code	31171516

SKF drawings