



SKF 32238

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	190 mm
Outside diameter	340 mm
Bearing width, total	97 mm
Shoulder diameter of inner ring	261.5 mm
Width of inner ring	92 mm
Width of outer ring	75 mm
Chamfer dimension of inner ring	5 mm
Chamfer dimension of outer ring	4 mm
Distance side face to pressure point	80.8 mm
Width, total	97 mm
Width, inner ring	92 mm
Width, outer ring	75 mm
Contact angle	16.2 °

Abutment dimensions	
Diameter of shaft abutment	217 mm
Diameter of shaft abutment	210 mm
Diameter of housing abutment	286 mm
Diameter of housing abutment	323.5 mm
Diameter of housing abutment	323 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	22 mm
Radius of shaft fillet	5 mm
Radius of housing fillet	4 mm

Calculation data	
Basic dynamic load rating	1267 kN
Basic static load rating	1930 kN
Fatigue load limit	176 kN
Reference speed	1300 r/min
Limiting speed	1800 r/min
Limiting value	0.43
Calculation factor	1.4
Calculation factor	0.8

Performance	
Basic dynamic load rating	1267 kN
Basic static load rating	1930 kN
Reference speed	1300 r/min
Limiting speed	1800 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	130 kg CO ₂ e
Indicative carbon footprint for remanufactured product	45.4 kg CO ₂ e

Logistics	
Product net weight	36 kg
eClass code	23-05-09-10
UNSPSC code	31171516

SKF drawings