

67391/67322 Single row tapered roller bearing, inch size



Single row tapered roller bearing, inch size

Single row tapered roller bearings, inch sizes, 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.

- High radial and axial load carrying capacity
- Accommodate axial loads in one direction
- Low friction and long service life
- Separable and interchangeable components

Overview

Dimensions

Bore diameter	133.35 mm
Outside diameter	196.85 mm
Width, total	46.038 mm
Width, inner ring	46.038 mm
Width, outer ring	38.1 mm
Contact angle	12.917 °

Performance

Basic dynamic load rating	395 kN
Basic static load rating	585 kN
Reference speed	2 400 r/min
Limiting speed	3 000 r/min
SKF performance class	SKF Explorer

Properties

Bearing part	Complete bearing
Number of rows	1
Locating feature, bearing outer ring	None
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

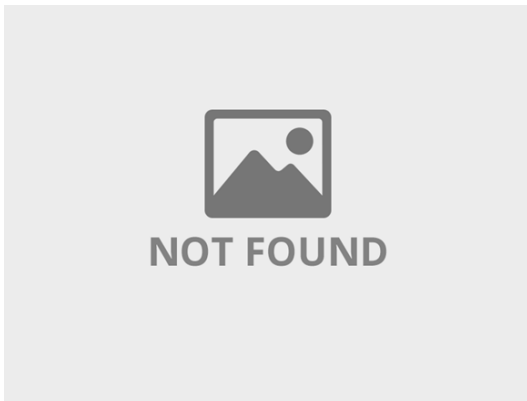
Technical Specification

SKF performance class

SKF Explorer

Dimension series

67300



Dimensions

d	133.35 mm	Bore diameter
D	196.85 mm	Outside diameter
T	46.038 mm	Total width
d_1	≈ 164.45 mm	Shoulder diameter of inner ring
B	46.038 mm	Width of inner ring
C	38.1 mm	Width of outer ring
$r_{1,2}$	min. 8 mm	Chamfer dimension of inner ring
$r_{3,4}$	min. 3.3 mm	Chamfer dimension of outer ring
a	39.362 mm	Distance side face to pressure point

Abutment dimensions



d_a	max. 146 mm	Diameter of shaft abutment
d_b	min. 157.5 mm	Diameter of shaft abutment
D_a	min. 177 mm	Diameter of housing abutment
D_a	max. 183 mm	Diameter of housing abutment
D_b	min. 189 mm	Diameter of housing abutment
C_a	min. 7 mm	Minimum width of space required in housing on large side face
C_b	min. 7.5 mm	Minimum width of space required in housing on small side face
r_a	max. 8	Radius of shaft fillet

	mm	
r_b	max. 3.3 mm	Radius of housing fillet

Calculation data

Basic dynamic load rating	C	395 kN
Basic static load rating	C_0	585 kN
Fatigue load limit	P_u	60 kN
Reference speed		2 400 r/min
Limiting speed		3 000 r/min
Limiting value	e	0.35
Calculation factor	Y	1.7
Calculation factor	Y_0	0.9

Mass

Mass		4.65 kg
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