

6580/6535 Tapered roller bearings, single row

SKF Explorer

Tapered roller bearings, single row

Bearing data

[Tolerances,](#)

Normal and CL7C, CLN, Normal and CL, deviating width

Bearing interfaces

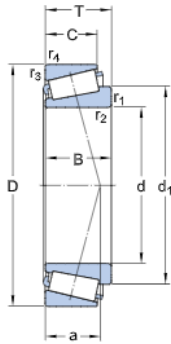
[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

Dimension series

6500

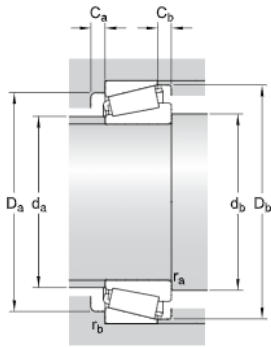


DIMENSIONS

d	88.9 mm
D	161.925 mm
T	53.975 mm
d ₁	≈ 125.1 mm
B	55.1 mm
C	42.862 mm
r _{1,2}	min. 3.5 mm
r _{3,4}	min. 3.3 mm
a	39.841 mm

ABUTMENT DIMENSIONS

d _a	max. 102 mm
d _b	min. 103 mm
D _a	min. 134 mm



D_a	max. 149 mm
D_b	min. 153 mm
C_a	min. 8 mm
C_b	min. 11 mm
r_a	max. 3.5 mm
r_b	max. 3.3 mm

CALCULATION DATA

Basic dynamic load rating	C	404 kN
Basic static load rating	C_0	510 kN
Fatigue load limit	P_u	56 kN
Reference speed		3 200 r/min
Limiting speed		4 000 r/min
Calculation factor	e	0.4
Calculation factor	Y	1.5
Calculation factor	Y_0	0.8

MASS

Mass bearing	4.8 kg
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge	Bearing Select
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing failure and how to prevent it	LubeSelect for SKF greases
Permissible speed		Heater Selection Tool
Design considerations		Oil Injection Method Program
Bearing designations		skf.com/mount
Designation system		

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