



32214

Popular item
SKF Explorer

Tapered roller bearings, single row

Bearing data

[Tolerances,](#)

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

Bearing interfaces

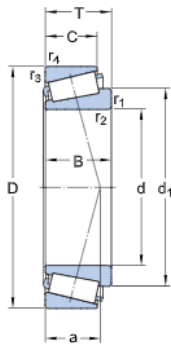
[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical Specification

Dimension series

3EC

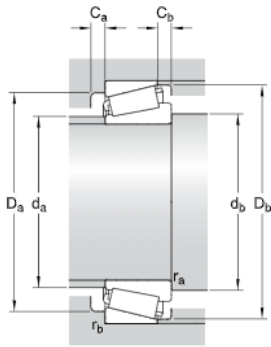


DIMENSIONS

d	70 mm
D	125 mm
T	33.25 mm
d ₁	≈ 95 mm
B	31 mm
C	27 mm
r _{1,2}	min. 2 mm
r _{3,4}	min. 1.5 mm
a	28.104 mm

ABUTMENT DIMENSIONS

d _a	max. 81 mm
d _b	min. 80.5 mm
D _a	min. 108 mm



D_a	max. 116.5 mm
D_b	min. 119 mm
C_a	min. 4 mm
C_b	min. 6 mm
r_a	max. 2 mm
r_b	max. 1.5 mm

CALCULATION DATA

Basic dynamic load rating	C	195 kN
Basic static load rating	C_0	208 kN
Fatigue load limit	P_u	24.5 kN
Reference speed		4300 r/min
Limiting speed		5300 r/min
Calculating load: Limiting value	e	0.43
Calculating load: Calculation factor	Y	1.4
Calculating load: Calculation factor	Y_0	0.8

MASS

Mass bearing		1.6 kg
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More information

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

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