

32024 X

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Bearing data

[Tolerances,](#)

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

Bearing interfaces

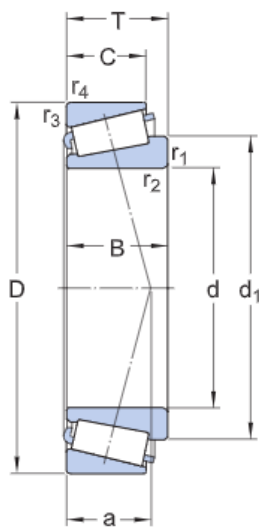
[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

Dimension series

4DC

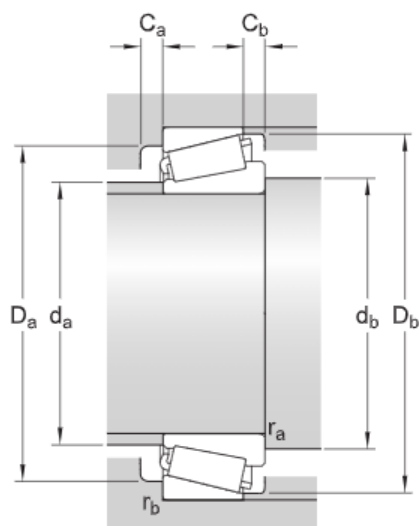


DIMENSIONS

d	120 mm	Bore diameter
D	180 mm	Outside diameter
T	38 mm	Total bearing width
d1	≈150.67 mm	Inner ring shoulder diameter
B	38 mm	Width inner ring
C	29 mm	Width outer ring
r1,2	min.2.5 mm	Corner radius inner ring
r3,4	min.2 mm	Corner radius outer ring
a	38.8 mm	Distance pressure point

ABUTMENT DIMENSIONS

da	max.132 mm	Abutment diameter shaft
	min.133	Abutment



db	mm	diameter shaft
Da	min.161 mm	Abutment diameter housing
Da	max.169 mm	Abutment diameter housing
Db	min.173 mm	Abutment diameter housing
Ca	min.7 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
Cb	min.9 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
ra	max.2.5 mm	Fillet radius
rb	max.2 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	299 kN
Basic static load rating	C ₀	415 kN
Fatigue load limit	P _u	42.5 kN
Reference speed		2 800 r/min
Limiting speed		3 400 r/min
Calculation factor	e	0.46
Calculation factor	Y	1.3
Calculation factor	Y ₀	0.7

MASS

Mass bearing	3.29 kg
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