



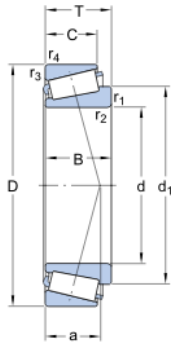
33020 Tapered roller bearings, single row

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Technical specification

2CE

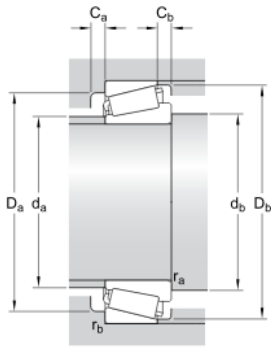


DIMENSIONS

d	100 mm	Bore diameter
D	150 mm	Outside diameter
T	39 mm	Total bearing width
d_1	≈ 122.6 mm	Inner ring shoulder diameter
B	39 mm	Width inner ring
C	32.5 mm	Width outer ring
$r_{1,2}$	min. 2 mm	Corner radius inner ring
$r_{3,4}$	min. 1.5 mm	Corner radius outer ring
a	28.845 mm	Distance pressure point

ABUTMENT DIMENSIONS

d_a	max. 109 mm	Abutment diameter shaft
d_b	min. 111 mm	Abutment diameter shaft
D_a	min. 135	Abutment diameter housing



	mm	
D_a	max. 141 mm	Abutment diameter housing
D_b	min. 143 mm	Abutment diameter housing
C_a	min. 7 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
C_b	min. 6.5 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
r_a	max. 2 mm	Fillet radius
r_b	max. 1.5 mm	Fillet radius

CALCULATION DATA

C	278 kN	Basic dynamic load rating
C_0	390 kN	Basic static load rating
P_u	41.5 kN	Fatigue load limit
	3400 r/min	Reference speed
	4000 r/min	Limiting speed
e	0.28	Calculation factor
Y	2.1	Calculation factor
Y_0	1.1	Calculation factor

MASS

	2.38 kg	Mass bearing
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