



32304 Tapered roller bearings, single row

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Technical specification

2FD

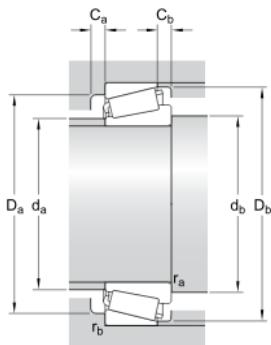


DIMENSIONS

d	20 mm	Bore diameter
D	52 mm	Outside diameter
T	22.25 mm	Total bearing width
d_1	≈ 34.6 mm	Inner ring shoulder diameter
B	21 mm	Width inner ring
C	18 mm	Width outer ring
$r_{1,2}$	min. 1.5 mm	Corner radius inner ring
$r_{3,4}$	min. 1.5 mm	Corner radius outer ring
a	13.618 mm	Distance pressure point

ABUTMENT DIMENSIONS

d_a	max. 27 mm	Abutment diameter shaft
d_b	min. 27.5 mm	Abutment diameter shaft
D_a	min. 43 mm	Abutment diameter housing



D_a	max. 45.5 mm	Abutment diameter housing
D_b	min. 47 mm	Abutment diameter housing
C_a	min. 3 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
C_b	min. 4 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
r_a	max. 1.5 mm	Fillet radius
r_b	max. 1.5 mm	Fillet radius

CALCULATION DATA

C	54.3 kN	Basic dynamic load rating
C_0	45.5 kN	Basic static load rating
P_u	5 kN	Fatigue load limit
	11000 r/min	Reference speed
	14000 r/min	Limiting speed
e	0.3	Calculation factor
Y	2	Calculation factor
Y_0	1.1	Calculation factor

MASS

	0.23 kg	Mass bearing
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