

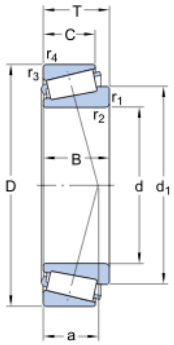
594/592 A Tapered roller bearings, single row

- SKF Explorer

Tapered roller bearings, single row

Technical specification

595

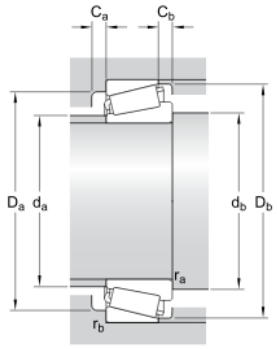


DIMENSIONS

d	95.25 mm	Bore diameter
D	152.4 mm	Outside diameter
T	39.688 mm	Total bearing width
d_1	≈ 121.61 mm	Inner ring shoulder diameter
B	36.322 mm	Width inner ring
C	30.162 mm	Width outer ring
$r_{1,2}$	min. 3.5 mm	Corner radius inner ring
$r_{3,4}$	min. 3.3 mm	Corner radius outer ring
a	36.588 mm	Distance pressure point

ABUTMENT DIMENSIONS

d_a	max. 104 mm	Abutment diameter shaft
d_b	min. 109.5 mm	Abutment diameter shaft
D_a	min. 128 mm	Abutment diameter housing



D_a	max. 139.5 mm	Abutment diameter housing
D_b	min. 141 mm	Abutment diameter housing
Ca	min. 4 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
Cb	min. 9.5 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
r_a	max. 3.5 mm	Fillet radius
r_b	max. 3.3 mm	Fillet radius

CALCULATION DATA

C	237 kN	Basic dynamic load rating
C_0	305 kN	Basic static load rating
P_u	33.5 kN	Fatigue load limit
	3400 r/min	Reference speed
	4300 r/min	Limiting speed
e	0.44	Calculation factor
Y	1.35	Calculation factor
Y_0	0.8	Calculation factor

MASS

	2.55 kg	Mass bearing

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