



T7FC 055 Tapered roller bearings, single row

- SKF Explorer

Tapered roller bearings, single row

Technical specification

7FC

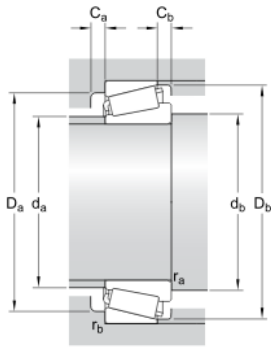


DIMENSIONS

d	55 mm	Bore diameter
D	115 mm	Outside diameter
T	34 mm	Total bearing width
d_1	≈ 89.5 mm	Inner ring shoulder diameter
B	31 mm	Width inner ring
C	23.5 mm	Width outer ring
$r_{1,2}$	min. 3 mm	Corner radius inner ring
$r_{3,4}$	min. 3 mm	Corner radius outer ring
a	38.648 mm	Distance pressure point

ABUTMENT DIMENSIONS

d_a	max. 66 mm	Abutment diameter shaft
d_b	min. 67.5 mm	Abutment diameter shaft
D_a	min. 86 mm	Abutment diameter housing



D_a	max. 104 mm	Abutment diameter housing
D_b	min. 109 mm	Abutment diameter housing
C_a	min. 4 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
C_b	min. 10.5 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
r_a	max. 3 mm	Fillet radius
r_b	max. 3 mm	Fillet radius

CALCULATION DATA

C	155 kN	Basic dynamic load rating
C_0	163 kN	Basic static load rating
P_u	19.3 kN	Fatigue load limit
	4300 r/min	Reference speed
	5600 r/min	Limiting speed
e	0.88	Calculation factor
Y	0.68	Calculation factor
Y_0	0.4	Calculation factor

MASS

	1.59 kg	Mass bearing
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