



33110 Tapered roller bearings, single row

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Technical specification

3CE



DIMENSIONS

d	50 mm	Bore diameter
D	85 mm	Outside diameter
T	26 mm	Total bearing width
d ₁	≈ 68 mm	Inner ring shoulder diameter
B	26 mm	Width inner ring
C	20 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	20.202 mm	Distance pressure point

ABUTMENT DIMENSIONS

d _a	max. 57 mm	Abutment diameter shaft
d _b	min. 59 mm	Abutment diameter shaft
D _a	min. 74 mm	Abutment diameter housing
D _b	max. 77 mm	Abutment diameter housing



D_b	min. 82 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. 6 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	106 kN	Basic dynamic load rating
C_0	122 kN	Basic static load rating
P_u	13.4 kN	Fatigue load limit
	6000 r/min	Reference speed
	7500 r/min	Limiting speed
e	0.4	Calculation factor
Y	1.5	Calculation factor
Y_0	0.8	Calculation factor

MASS

	0.58 kg	Mass bearing
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