



30317 Tapered roller bearings, single row

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Technical specification

2GB

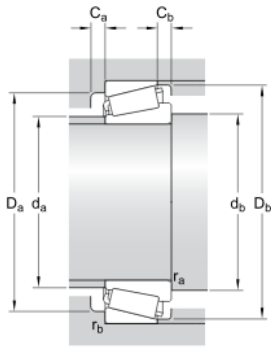


DIMENSIONS

d	85 mm	Bore diameter
D	180 mm	Outside diameter
T	44.5 mm	Total bearing width
d ₁	≈ 126.57 mm	Inner ring shoulder diameter
B	41 mm	Width inner ring
C	34 mm	Width outer ring
r _{1,2}	min. 4 mm	Corner radius inner ring
r _{3,4}	min. 3 mm	Corner radius outer ring
a	34.813 mm	Distance pressure point

ABUTMENT DIMENSIONS

d _a	max. 108 mm	Abutment diameter shaft
d _b	min. 100.5 mm	Abutment diameter shaft
D _a	min. 156 mm	Abutment diameter housing



D_a	max. 167.5 mm	Abutment diameter housing
D_b	min. 167 mm	Abutment diameter housing
C_a	min. 5 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. 4 mm	Fillet radius
r_b	max. 3 mm	Fillet radius

CALCULATION DATA

C	372 kN	Basic dynamic load rating
C_0	365 kN	Basic static load rating
P_u	40.5 kN	Fatigue load limit
	3000 r/min	Reference speed
	3800 r/min	Limiting speed
e	0.35	Calculation factor
Y	1.7	Calculation factor
Y_0	0.9	Calculation factor

MASS

	4.84 kg	Mass bearing
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