



32307 B Tapered roller bearings, single row

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Technical specification

5FE

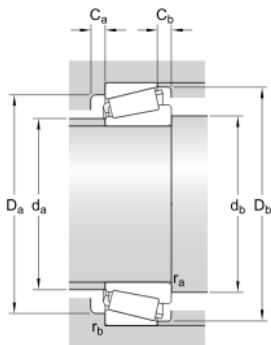


DIMENSIONS

d	35 mm	Bore diameter
D	80 mm	Outside diameter
T	32.75 mm	Total bearing width
d ₁	≈ 59.35 mm	Inner ring shoulder diameter
B	31 mm	Width inner ring
C	25 mm	Width outer ring
r _{1,2}	min. 2 mm	Corner radius inner ring
r _{3,4}	min. 1.5 mm	Corner radius outer ring
a	24.322 mm	Distance pressure point

ABUTMENT DIMENSIONS

d _a	max. 43 mm	Abutment diameter shaft
d _b	min. 44.5 mm	Abutment diameter shaft
D _a	min. 61 mm	Abutment diameter housing



D_a	max. 72.5 mm	Abutment diameter housing
D_b	min. 76 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. 7.5 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
r_a	max. 2 mm	Fillet radius
r_b	max. 1.5 mm	Fillet radius

CALCULATION DATA

C	115 kN	Basic dynamic load rating
C_0	114 kN	Basic static load rating
P_u	12.9 kN	Fatigue load limit
	6300 r/min	Reference speed
	8500 r/min	Limiting speed
e	0.54	Calculation factor
Y	1.1	Calculation factor
Y_0	0.6	Calculation factor

MASS

	0.8 kg	Mass bearing
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