



33016 Tapered roller bearings, single row

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Technical specification

2CE

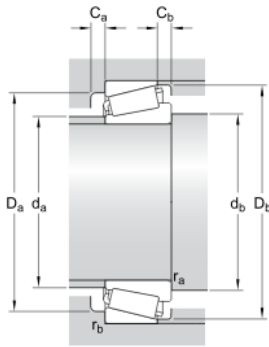


DIMENSIONS

d	80 mm	Bore diameter
D	125 mm	Outside diameter
T	36 mm	Total bearing width
d_1	≈ 102.3 mm	Inner ring shoulder diameter
B	36 mm	Width inner ring
C	29.5 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	25.501 mm	Distance pressure point

ABUTMENT DIMENSIONS

d_a	max. 90 mm	Abutment diameter shaft
d_b	min. 89.5 mm	Abutment diameter shaft
D_a	min. 112 mm	Abutment diameter housing



D_a	max. 116 mm	Abutment diameter housing
D_b	min. 119 mm	Abutment diameter housing
C_a	min. 6 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
C_b	min. 6.5 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	207 kN	Basic dynamic load rating
C_0	285 kN	Basic static load rating
P_u	32 kN	Fatigue load limit
	4000 r/min	Reference speed
	5000 r/min	Limiting speed
e	0.28	Calculation factor
Y	2.1	Calculation factor
Y_0	1.1	Calculation factor

MASS

	1.63 kg	Mass bearing
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