



33216 Tapered roller bearings, single row

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Technical specification

3DE



DIMENSIONS

d	80 mm	Bore diameter
D	140 mm	Outside diameter
T	46 mm	Total bearing width
d_1	≈ 110.55 mm	Inner ring shoulder diameter
B	46 mm	Width inner ring
C	35 mm	Width outer ring
$r_{1,2}$	min. 2.5 mm	Corner radius inner ring
$r_{3,4}$	min. 2 mm	Corner radius outer ring
a	34.677 mm	Distance pressure point

ABUTMENT DIMENSIONS

d_a	max. 90 mm	Abutment diameter shaft
d_b	min. 92 mm	Abutment diameter shaft
D_a	min. 119 mm	Abutment diameter housing



D_a	max. 130 mm	Abutment diameter housing
D_b	min. 135 mm	Abutment diameter housing
C_a	min. 7 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
C_b	min. 11 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
r_a	max. 2.5 mm	Fillet radius
r_b	max. 2 mm	Fillet radius

CALCULATION DATA

C	308 kN	Basic dynamic load rating
C_0	375 kN	Basic static load rating
P_u	41.5 kN	Fatigue load limit
	3400 r/min	Reference speed
	4500 r/min	Limiting speed
e	0.43	Calculation factor
Y	1.4	Calculation factor
Y_0	0.8	Calculation factor

MASS

	2.91 kg	Mass bearing
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