

33118

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Bearing data

[Tolerances,](#)

Normal and CL7C, CLN, Normal and CL, deviating width

Bearing interfaces

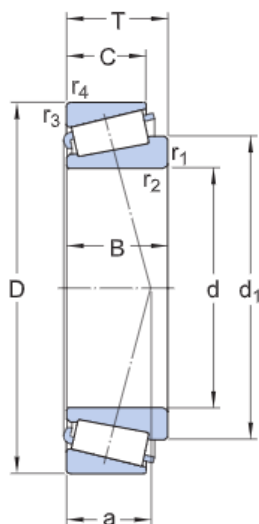
[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

Dimension series

3DE

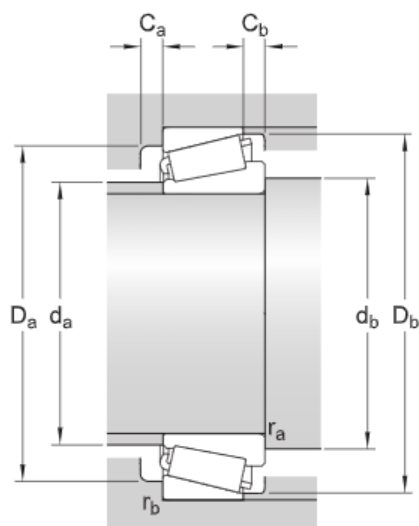


DIMENSIONS

d	90 mm	Bore diameter
D	150 mm	Outside diameter
T	45 mm	Total bearing width
d1	≈120.38 mm	Inner ring shoulder diameter
B	45 mm	Width inner ring
C	35 mm	Width outer ring
r1,2	min.2.5 mm	Corner radius inner ring
r3,4	min.2 mm	Corner radius outer ring
a	34.671 mm	Distance pressure point

ABUTMENT DIMENSIONS

da	max.101 mm	Abutment diameter shaft
	min.102	Abutment



d_b	mm	diameter shaft
D_a	min.130 mm	Abutment diameter housing
D_a	max.140 mm	Abutment diameter housing
D_b	min.144 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.10 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

Basic dynamic load rating	C	310 kN
Basic static load rating	C_0	390 kN
Fatigue load limit	P_u	43 kN
Reference speed		3 400 r/min
Limiting speed		4 300 r/min
Calculation factor	e	0.4
Calculation factor	Y	1.5
Calculation factor	Y_0	0.8

MASS

Mass bearing	3.11 kg
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