

30330

- Popular item

Tapered roller bearings, single row

Bearing data

[Tolerances,](#)

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

Bearing interfaces

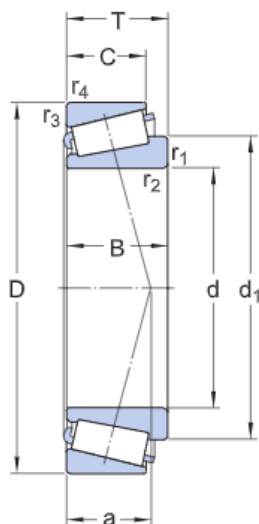
[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

Dimension series

2GB

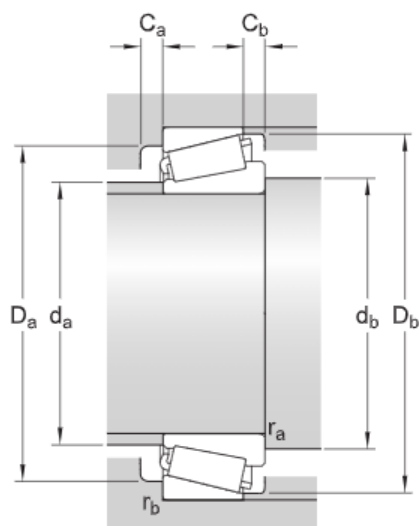


DIMENSIONS

d	150 mm	Bore diameter
D	320 mm	Outside diameter
T	72 mm	Total bearing width
d1	≈223 mm	Inner ring shoulder diameter
B	65 mm	Width inner ring
C	55 mm	Width outer ring
r _{1,2}	min.5 mm	Corner radius inner ring
r _{3,4}	min.4 mm	Corner radius outer ring
a	58.002 mm	Distance pressure point

ABUTMENT DIMENSIONS

da	max.189 mm	Abutment diameter shaft
	min.169.5	Abutment



d_b	mm	diameter shaft
D_a	min.273 mm	Abutment diameter housing
D_a	max.303.5 mm	Abutment diameter housing
D_b	min.292 mm	Abutment diameter housing
C_a	min.9 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
C_b	min.17 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
r_a	max.5 mm	Fillet radius
r_b	max.4 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	879 kN
Basic static load rating	C_0	1 060 kN
Fatigue load limit	P_u	104 kN
Reference speed		1 600 r/min
Limiting speed		2 000 r/min
Calculation factor	e	0.35
Calculation factor	γ	1.7
Calculation factor	γ_0	0.9

MASS

Mass bearing	24.8 kg
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