



31324 X Tapered roller bearings, single row

- Popular item

Tapered roller bearings, single row

Technical specification

7GB

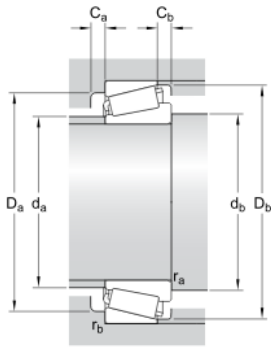


DIMENSIONS

d	120 mm	Bore diameter
D	260 mm	Outside diameter
T	68 mm	Total bearing width
d ₁	≈ 191.58 mm	Inner ring shoulder diameter
B	62 mm	Width inner ring
C	42 mm	Width outer ring
r _{1,2}	min. 4 mm	Corner radius inner ring
r _{3,4}	min. 3 mm	Corner radius outer ring
a	78.172 mm	Distance pressure point

ABUTMENT DIMENSIONS

d _a	max. 146 mm	Abutment diameter shaft
d _b	min. 136.5 mm	Abutment diameter shaft
D _a	min. 203 mm	Abutment diameter housing



D_a	max. 246.5 mm	Abutment diameter housing
D_b	min. 244 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. 26 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
r_a	max. 4 mm	Fillet radius
r_b	max. 3 mm	Fillet radius

CALCULATION DATA

C	578 kN	Basic dynamic load rating
C_0	695 kN	Basic static load rating
P_u	72 kN	Fatigue load limit
	1700 r/min	Reference speed
	2400 r/min	Limiting speed
e	0.83	Calculation factor
Y	0.72	Calculation factor
Y_0	0.4	Calculation factor

MASS

	15.3 kg	Mass bearing
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