



31326 X Tapered roller bearings, single row

- Popular item

Tapered roller bearings, single row

Technical specification

7GB



DIMENSIONS

d	130 mm	Bore diameter
D	280 mm	Outside diameter
T	72 mm	Total bearing width
d_1	≈ 204.62 mm	Inner ring shoulder diameter
B	66 mm	Width inner ring
C	44 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	83.963 mm	Distance pressure point

ABUTMENT DIMENSIONS

d_a	max. 157 mm	Abutment diameter shaft
d_b	min. 149 mm	Abutment diameter shaft
D_a	min. 218 mm	Abutment diameter housing
D_a	max. 264.5	Abutment diameter housing



	mm	
D_b	min. 261 mm	Abutment diameter housing
C_a	min. 8 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
C_b	min. 28 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

C	647 kN	Basic dynamic load rating
C_0	780 kN	Basic static load rating
P_u	80 kN	Fatigue load limit
	1600 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

	18.5 kg	Mass bearing
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