



## 31320 X Tapered roller bearings, single row

- Popular item

### Tapered roller bearings, single row

## Technical specification

7GB



### DIMENSIONS

d	100 mm	Bore diameter
D	215 mm	Outside diameter
T	56.5 mm	Total bearing width
$d_1$	≈ 158.61 mm	Inner ring shoulder diameter
B	51 mm	Width inner ring
C	35 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	64.953 mm	Distance pressure point

### ABUTMENT DIMENSIONS

$d_a$	max. 121 mm	Abutment diameter shaft
$d_b$	min. 116 mm	Abutment diameter shaft
$D_a$	min. 168 mm	Abutment diameter housing
$D_b$	max. 202.5	Abutment diameter housing



	mm	
$D_b$	min. 202 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. 21.5 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

$C$	399 kN	Basic dynamic load rating
$C_0$	465 kN	Basic static load rating
$P_u$	51 kN	Fatigue load limit
	2200 r/min	Reference speed
	3000 r/min	Limiting speed
$e$	0.83	Calculation factor
$Y$	0.72	Calculation factor
$Y_0$	0.4	Calculation factor

MASS

	8.64 kg	Mass bearing
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