



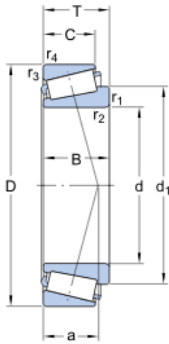
## 32020 X Tapered roller bearings, single row

- SKF Explorer

### Tapered roller bearings, single row

## Technical specification

4CC

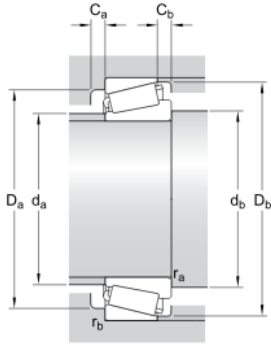


### DIMENSIONS

d	100 mm	Bore diameter
D	150 mm	Outside diameter
T	32 mm	Total bearing width
d <sub>1</sub>	≈ 125.7 mm	Inner ring shoulder diameter
B	32 mm	Width inner ring
C	24 mm	Width outer ring
r <sub>1,2</sub>	min. 2 mm	Corner radius inner ring
r <sub>3,4</sub>	min. 1.5 mm	Corner radius outer ring
a	32.451 mm	Distance pressure point

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 110 mm	Abutment diameter shaft
d <sub>b</sub>	min. 111.5 mm	Abutment diameter shaft
D <sub>a</sub>	min. 134 mm	Abutment diameter housing



$D_a$	max. 141 mm	Abutment diameter housing
$D_b$	min. 144 mm	Abutment diameter housing
$C_a$	min. 6 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
$C_b$	min. 8 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
$r_a$	max. 2 mm	Fillet radius
$r_b$	max. 1.5 mm	Fillet radius

CALCULATION DATA

C	209 kN	Basic dynamic load rating
$C_0$	280 kN	Basic static load rating
$P_u$	31 kN	Fatigue load limit
	3200 r/min	Reference speed
	4000 r/min	Limiting speed
e	0.46	Calculation factor
Y	1.3	Calculation factor
$Y_0$	0.7	Calculation factor

MASS

	1.92 kg	Mass bearing
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