



## 30307 Tapered roller bearings, single row

- Popular item  
- SKF Explorer

### Tapered roller bearings, single row

## Technical specification

2FB

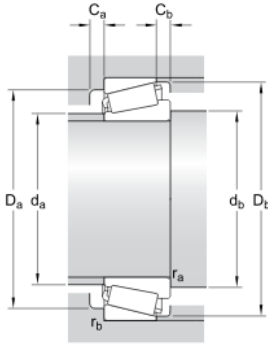


### DIMENSIONS

d	35 mm	Bore diameter
D	80 mm	Outside diameter
T	22.75 mm	Total bearing width
d <sub>1</sub>	≈ 54.55 mm	Inner ring shoulder diameter
B	21 mm	Width inner ring
C	18 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	16.181 mm	Distance pressure point

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 46 mm	Abutment diameter shaft
d <sub>b</sub>	min. 44.5 mm	Abutment diameter shaft
D <sub>a</sub>	min. 70 mm	Abutment diameter housing



$D_a$	max. 72.5 mm	Abutment diameter housing
$D_b$	min. 74 mm	Abutment diameter housing
$C_a$	min. 3 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
$C_b$	min. 4.5 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	88.9 kN	Basic dynamic load rating
$C_0$	73.5 kN	Basic static load rating
$P_u$	8.3 kN	Fatigue load limit
	7500 r/min	Reference speed
	9000 r/min	Limiting speed
e	0.31	Calculation factor
Y	1.9	Calculation factor
$Y_0$	1.1	Calculation factor

## MASS

	0.51 kg	Mass bearing
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