



## 30203 Tapered roller bearings, single row

- Popular item  
- SKF Explorer

### Tapered roller bearings, single row

## Technical specification

2DB

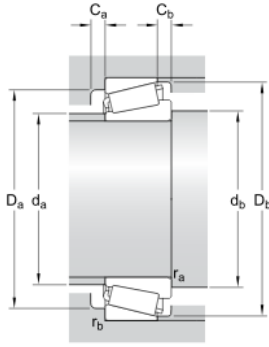


### DIMENSIONS

d	17 mm	Bore diameter
D	40 mm	Outside diameter
T	13.25 mm	Total bearing width
d <sub>1</sub>	≈ 29 mm	Inner ring shoulder diameter
B	12 mm	Width inner ring
C	11 mm	Width outer ring
r <sub>1,2</sub>	min. 1 mm	Corner radius inner ring
r <sub>3,4</sub>	min. 1 mm	Corner radius outer ring
a	9.515 mm	Distance pressure point

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 23 mm	Abutment diameter shaft
d <sub>b</sub>	min. 23.5 mm	Abutment diameter shaft
D <sub>a</sub>	min. 34 mm	Abutment diameter housing



$D_a$	max. 34.5 mm	Abutment diameter housing
$D_b$	min. 37 mm	Abutment diameter housing
$C_a$	min. 2 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
$C_b$	min. 2 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
$r_a$	max. 1 mm	Fillet radius
$r_b$	max. 1 mm	Fillet radius

## CALCULATION DATA

C	23.4 kN	Basic dynamic load rating
$C_0$	18.6 kN	Basic static load rating
$P_u$	1.83 kN	Fatigue load limit
	15000 r/min	Reference speed
	18000 r/min	Limiting speed
e	0.35	Calculation factor
Y	1.7	Calculation factor
$Y_0$	0.9	Calculation factor

## MASS

	0.079 kg	Mass bearing
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