



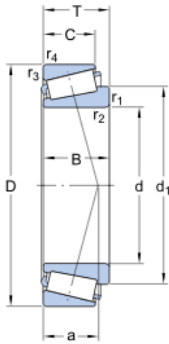
## 30234 Tapered roller bearings, single row

- Popular item

### Tapered roller bearings, single row

## Technical specification

4GB

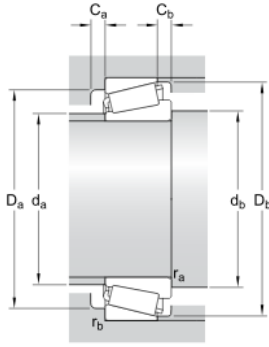


### DIMENSIONS

d	170 mm	Bore diameter
D	310 mm	Outside diameter
T	57 mm	Total bearing width
d <sub>1</sub>	≈ 231.3 mm	Inner ring shoulder diameter
B	52 mm	Width inner ring
C	43 mm	Width outer ring
r <sub>1,2</sub>	min. 5 mm	Corner radius inner ring
r <sub>3,4</sub>	min. 4 mm	Corner radius outer ring
a	58.46 mm	Distance pressure point

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 203 mm	Abutment diameter shaft
d <sub>b</sub>	min. 189.5 mm	Abutment diameter shaft
D <sub>a</sub>	min. 269 mm	Abutment diameter housing



$D_a$	max. 293.5 mm	Abutment diameter housing
$D_b$	min. 288 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. 14 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	657 kN	Basic dynamic load rating
$C_0$	865 kN	Basic static load rating
$P_u$	83 kN	Fatigue load limit
	1500 r/min	Reference speed
	2000 r/min	Limiting speed
e	0.43	Calculation factor
Y	1.4	Calculation factor
$Y_0$	0.8	Calculation factor

## MASS

	16.6 kg	Mass bearing
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