



## 33214 Tapered roller bearings, single row

- Popular item  
- SKF Explorer

### Tapered roller bearings, single row

## Technical specification

3EE

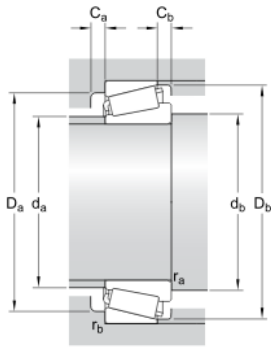


### DIMENSIONS

d	70 mm	Bore diameter
D	125 mm	Outside diameter
T	41 mm	Total bearing width
$d_1$	≈ 97.4 mm	Inner ring shoulder diameter
B	41 mm	Width inner ring
C	32 mm	Width outer ring
$r_{1,2}$	min. 2 mm	Corner radius inner ring
$r_{3,4}$	min. 1.5 mm	Corner radius outer ring
a	30.421 mm	Distance pressure point

### ABUTMENT DIMENSIONS

$d_a$	max. 80 mm	Abutment diameter shaft
$d_b$	min. 80.5 mm	Abutment diameter shaft
$D_a$	min. 107 mm	Abutment diameter housing
$D_b$	max. 116.5	Abutment diameter housing



	mm	
$D_b$	min. 120 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. 9 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	247 kN	Basic dynamic load rating
$C_0$	285 kN	Basic static load rating
$P_u$	32.5 kN	Fatigue load limit
	3800 r/min	Reference speed
	5000 r/min	Limiting speed
e	0.4	Calculation factor
Y	1.5	Calculation factor
$Y_0$	0.8	Calculation factor

MASS

	2.09 kg	Mass bearing
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