



## 30305 Tapered roller bearings, single row

- Popular item  
- SKF Explorer

### Tapered roller bearings, single row

## Technical specification

2FB



### DIMENSIONS

d	25 mm	Bore diameter
D	62 mm	Outside diameter
T	18.25 mm	Total bearing width
$d_1$	≈ 41.5 mm	Inner ring shoulder diameter
B	17 mm	Width inner ring
C	15 mm	Width outer ring
$r_{1,2}$	min. 1.5 mm	Corner radius inner ring
$r_{3,4}$	min. 1.5 mm	Corner radius outer ring
a	12.779 mm	Distance pressure point

### ABUTMENT DIMENSIONS

$d_a$	max. 35 mm	Abutment diameter shaft
$d_b$	min. 33 mm	Abutment diameter shaft
$D_a$	min. 54 mm	Abutment diameter housing
$D_b$	max. 55 mm	Abutment diameter housing



$D_b$	min. 57 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. 3 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
$r_a$	max. 1.5 mm	Fillet radius
$r_b$	max. 1.5 mm	Fillet radius

CALCULATION DATA

C	55.3 kN	Basic dynamic load rating
$C_0$	43 kN	Basic static load rating
$P_u$	4.75 kN	Fatigue load limit
	9500 r/min	Reference speed
	12000 r/min	Limiting speed
e	0.3	Calculation factor
Y	2	Calculation factor
$Y_0$	1.1	Calculation factor

MASS

	0.26 kg	Mass bearing
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