



## 32314 Tapered roller bearings, single row

- Popular item  
- SKF Explorer

### Tapered roller bearings, single row

## Technical specification

2GD



### DIMENSIONS

d	70 mm	Bore diameter
D	150 mm	Outside diameter
T	54 mm	Total bearing width
$d_1$	≈ 106.15 mm	Inner ring shoulder diameter
B	51 mm	Width inner ring
C	42 mm	Width outer ring
$r_{1,2}$	min. 3 mm	Corner radius inner ring
$r_{3,4}$	min. 2.5 mm	Corner radius outer ring
a	35.55 mm	Distance pressure point

### ABUTMENT DIMENSIONS

$d_a$	max. 87 mm	Abutment diameter shaft
$d_b$	min. 83 mm	Abutment diameter shaft
$D_a$	min. 125 mm	Abutment diameter housing



$D_a$	max. 139 mm	Abutment diameter housing
$D_b$	min. 140 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. 12 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
$r_a$	max. 3 mm	Fillet radius
$r_b$	max. 2.5 mm	Fillet radius

## CALCULATION DATA

C	363 kN	Basic dynamic load rating
$C_0$	380 kN	Basic static load rating
$P_u$	45 kN	Fatigue load limit
	3400 r/min	Reference speed
	4500 r/min	Limiting speed
e	0.35	Calculation factor
Y	1.7	Calculation factor
$Y_0$	0.9	Calculation factor

## MASS

	4.28 kg	Mass bearing
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