



## 33210 Tapered roller bearings, single row

- Popular item  
- SKF Explorer

### Tapered roller bearings, single row

## Technical specification

3DE



### DIMENSIONS

d	50 mm	Bore diameter
D	90 mm	Outside diameter
T	32 mm	Total bearing width
$d_1$	≈ 70.8 mm	Inner ring shoulder diameter
B	32 mm	Width inner ring
C	24.5 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	22.975 mm	Distance pressure point

### ABUTMENT DIMENSIONS

$d_a$	max. 57 mm	Abutment diameter shaft
$d_b$	min. 59 mm	Abutment diameter shaft
$D_a$	min. 77 mm	Abutment diameter housing
$D_b$	max. 82 mm	Abutment diameter housing



$D_b$	min. 87 mm	Abutment diameter housing
$C_a$	min. 5 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
$C_b$	min. 7.5 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	142 kN	Basic dynamic load rating
$C_0$	160 kN	Basic static load rating
$P_u$	18.3 kN	Fatigue load limit
	5300 r/min	Reference speed
	7000 r/min	Limiting speed
e	0.4	Calculation factor
Y	1.5	Calculation factor
$Y_0$	0.8	Calculation factor

## MASS

	0.86 kg	Mass bearing
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