



# 30210

Popular item SKF Explorer

# Tapered roller bearings, single row

## Bearing data

Tolerances,

Normal and CL7C, CLN, Normal and CL, deviating width

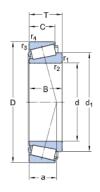
### Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

Dimension series 3DB



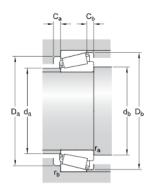
## **DIMENSIONS**

d	50 mm
D	90 mm
Т	21.75 mm
$d_1$	≈ 68 mm
В	20 mm
С	17 mm
r <sub>1,2</sub>	min. 1.5 mm
r <sub>3,4</sub>	min. 1.5 mm
a	19.248 mm

## ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 59 mm
$d_b$	min. 59 mm
$D_a$	min. 79 mm
D <sub>a</sub>	max. 82 mm





$D_b$	min. 85 mm
$C_{a}$	min. 3 mm
$C_b$	min. 4.5 mm
r <sub>a</sub>	max. 1.5 mm
$r_b$	max. 1.5 mm

## CALCULATION DATA

Basic dynamic load rating	С	93.1 kN
Basic static load rating	$C_0$	91.5 kN
Fatigue load limit	$P_{\rm u}$	10.4 kN
Reference speed		6 000 r/min
Limiting speed		7 500 r/min
Calculation factor	е	0.43
Calculation factor	Υ	1.4
Calculation factor	Yn	0.8

# MASS

Mass bearing	0.54 kg
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## More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge  Bearing selection process  Bearing failure and how to prevent it	Bearing Select
Loads		Engineering Calculator
Temperature limits		LubeSelect for SKF greases
Permissible speed		Heater Selection Tool
Design considerations		Oil Injection Method Program
Bearing designations		skf.com/mount
Designation system		





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