



# 33010

Popular item SKF Explorer

# Tapered roller bearings, single row

## Bearing data

Tolerances,

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

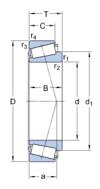
### Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

Dimension series 2CE



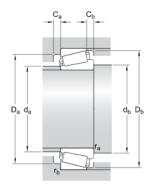
## **DIMENSIONS**

d	50 mm
D	80 mm
Т	24 mm
$d_1$	≈ 65.3 mm
В	24 mm
С	19 mm
r <sub>1,2</sub>	min. 1 mm
r <sub>3,4</sub>	min. 1 mm
a	17.391 mm

## ABUTMENT DIMENSIONS

$d_a$	max. 57 mm
$d_b$	min. 57.5 mm
$D_a$	min. 72 mm
D <sub>a</sub>	max. 73.5 mm





$D_b$	min. 76 mm
$C_a$	min. 4 mm
$C_{b}$	min. 5 mm
r <sub>a</sub>	max. 1 mm
$r_b$	max. 1 mm

## CALCULATION DATA

Basic dynamic load rating	С	84.8 kN
Basic static load rating	$C_0$	102 kN
Fatigue load limit	$P_{u}$	11.4 kN
Reference speed		6300 r/min
Limiting speed		8000 r/min
Calculation factor	е	0.31
Calculation factor	Υ	1.9
Calculation factor	$Y_{D}$	1.1

# MASS

Mass bearing	0.45 kg
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## More information

Designs	Designs			SimPro	SimPro	
and variants	and variants	Principles of rolling bearing -selection General bearing k nowledge	of rolling bearing selection General bearing k	Principles of rolling	Quick ——— Bearing	Quick ——— Bearing
Bearing data	Bearing data			bearing -selection General	Select	Select
Loads	Loads			bearing k nowledge	Engineer ing Calcul ator	Engineer ing Calcul ator
Tempera ture limits	Tempera ture limits	Bearing selection process	Bearing selection process	LubeSele ct for SKF greases	LubeSele ct for SKF greases	
Permissi ble speed	Permissi ble speed	Bearing failure	Bearing failure	Heater Selection	Heater Selection	
Design c onsiderati ons	Design c onsiderati ons	and how to prevent it	and how to prevent it	Tool Oil Injection Method	Tool Oil Injection Method	
Bearing designati ons	Bearing designati ons			Program skf.com/ mount	Program skf.com/ mount	
Designati on system	Designati on system					

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