



# 33014

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	70 mm
D	110 mm
T	31 mm
d <sub>1</sub>	≈ 88.95 mm
B	31 mm
C	25.5 mm
r <sub>1,2</sub>	min. 1.5 mm
r <sub>3,4</sub>	min. 1.5 mm
a	22.528 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 78 mm
d <sub>b</sub>	min. 79.5 mm
D <sub>a</sub>	min. 99 mm
D <sub>a</sub>	max. 101.5 mm



$D_b$	min. 105 mm
$C_a$	min. 5 mm
$C_b$	min. 5.5 mm
$r_a$	max. 1.5 mm
$r_b$	max. 1.5 mm

## CALCULATION DATA

Basic dynamic load rating	$C$	159 kN
Basic static load rating	$C_0$	196 kN
Fatigue load limit	$P_u$	22.8 kN
Reference speed		4 800 r/min
Limiting speed		5 600 r/min
Calculation factor	$e$	0.28
Calculation factor	$Y$	2.1
Calculation factor	$Y_0$	1.1

## MASS

Mass bearing	1.07 kg
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## More information

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

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