



# 33116

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

3CE



### DIMENSIONS

d	80 mm
D	130 mm
T	37 mm
d <sub>1</sub>	≈ 105.3 mm
B	37 mm
C	29 mm
r <sub>1,2</sub>	min. 2 mm
r <sub>3,4</sub>	min. 1.5 mm
a	30.092 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 89 mm
d <sub>b</sub>	min. 91 mm
D <sub>a</sub>	min. 114 mm
D <sub>a</sub>	max. 121 mm



$D_b$	min. 126 mm
$C_a$	min. 6 mm
$C_b$	min. 8 mm
$r_a$	max. 2 mm
$r_b$	max. 1.5 mm

## CALCULATION DATA

Basic dynamic load rating	$C$	221 kN
Basic static load rating	$C_0$	280 kN
Fatigue load limit	$P_u$	31 kN
Reference speed		4000 r/min
Limiting speed		4800 r/min
Calculation factor	$e$	0.43
Calculation factor	$Y$	1.4
Calculation factor	$Y_0$	0.8

## MASS

Mass bearing	1.87 kg
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More information

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

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