



# 33116

Popular item SKF Explorer

## Tapered roller bearings, single row

Bearing data

Tolerances,

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

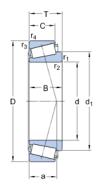
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

Dimension series 3CE



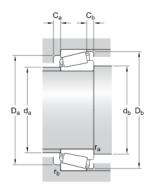
### **DIMENSIONS**

d	80 mm
D	130 mm
Т	37 mm
$d_1$	≈ 105.3 mm
В	37 mm
С	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

$d_a$	max. 89 mm
$d_b$	min. 91 mm
D <sub>a</sub>	min. 114 mm
$D_a$	max. 121 mm





$D_b$	min. 126 mm
$C_a$	min. 6 mm
$C_b$	min. 8 mm
r <sub>a</sub>	max. 2 mm
$r_b$	max. 1.5 mm

## CALCULATION DATA

Basic dynamic load rating	С	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	е	0.43
Calculation factor	Υ	1.4
Calculation factor	$Y_O$	0.8

## MASS

Mass bearing	1.87 kg
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## More information

Designs	Designs			SimPro	SimPro	
and variants	and variants	-selection General bearing k nowledge  Bearing selection	Principles of rolling	Quick ——— Bearing	Quick ——— Bearing	
Bearing data	Bearing data		bearing -selection General	Select	Select	
Loads	Loads				Engineer ing Calcul ator	Engineer ing Calcul ator
Tempera ture limits	Tempera ture limits		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	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					

5KF.



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