

# 32917

SKF Explorer

## Tapered roller bearings, single row

Bearing data

Tolerances,

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

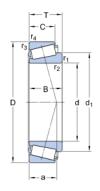
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

Dimension series 2CC



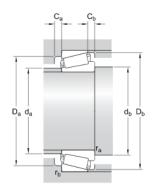
### **DIMENSIONS**

d	85 mm
D	120 mm
Т	23 mm
$d_1$	≈ 101.8 mm
В	23 mm
С	18 mm
r <sub>1,2</sub>	min. 1.5 mm
r <sub>3,4</sub>	min. 1.5 mm
a	21.01 mm

### ABUTMENT DIMENSIONS

$d_a$	max. 93 mm
$d_b$	min. 94.5 mm
$D_a$	min. 111 mm
$D_a$	max. 111 mm





$C_a$ min. 4 mm $C_b$ min. 5 mm $C_b$ max. 1.5 mm
J
r may 15 mm
r <sub>a</sub> max. 1.5 mm
r <sub>b</sub> max. 1.5 mm

## CALCULATION DATA

Basic dynamic load rating	С	115 kN
Basic static load rating	$C_0$	156 kN
Fatigue load limit	$P_{u}$	17.6 kN
Reference speed		4000 r/min
Limiting speed		5000 r/min
Calculation factor	е	0.33
Calculation factor	Υ	1.8
Calculation factor	$Y_{D}$	1

## MASS

Mass bearing	0.78 kg
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## More information

Designs	Designs			SimPro	SimPro
and variants	and variants	Principles of rolling	Principles of rolling	Quick ——— Bearing	Quick ——— Bearing
Bearing data	Bearing data	bearing -selection General bearing k nowledge	-selection General bearing k -selection General bearing k	Select	Select
Loads	Loads			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				

5KF.



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