

# 33281/33462

SKF Explorer

## Tapered roller bearings, single row

Bearing data

Tolerances,

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

Bearing interfaces

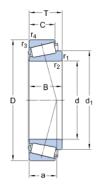
Seat tolerances for standard

conditions,

Tolerances and resultant fit

# Technical specification

Dimension series 33000



### **DIMENSIONS**

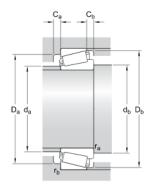
d	71.438 mm
D	117.475 mm
Т	30.162 mm
$d_1$	≈ 94.1 mm
В	30.162 mm
С	23.812 mm
r <sub>1,2</sub>	min. 3.5 mm
r <sub>3,4</sub>	min. 3.3 mm
a	26.453 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 81 mm
$d_b$	min. 85 mm
$D_a$	min. 101 mm
D <sub>a</sub>	max. 105.5 mm







$\begin{array}{ccc} C_a & \text{min. 5 mm} \\ C_b & \text{min. 6 mm} \\ r_a & \text{max. 3.5 mm} \\ r_b & \text{max. 3.3 mm} \end{array}$	$D_b$	min. 111 mm
r <sub>a</sub> max. 3.5 mm	$C_{a}$	min. 5 mm
2.2	$C_b$	min. 6 mm
r <sub>b</sub> max. 3.3 mm	r <sub>a</sub>	max. 3.5 mm
	$r_b$	max. 3.3 mm

## CALCULATION DATA

Basic dynamic load rating	С	152 kN
Basic static load rating	$C_0$	190 kN
Fatigue load limit	$P_{\rm u}$	21.6 kN
Reference speed		4500 r/min
Limiting speed		5300 r/min
Calculation factor	е	0.44
Calculation factor	Υ	1.35
Calculation factor	$Y_0$	0.8

## MASS

Mass bearing	1.23 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	selection	selection	bearing -selection General	Select	Select
Loads	Loads	bearing k nowledge	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						

5KF.



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