



# 535/532 A

Popular item SKF Explorer

## Tapered roller bearings, single row

Bearing data

Tolerances,

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

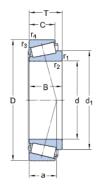
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

## Technical specification

Dimension series 535



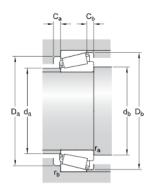
### **DIMENSIONS**

d	44.45 mm
D	111.125 mm
Т	38.1 mm
$d_1$	≈ 76.5 mm
В	36.957 mm
С	30.162 mm
r <sub>1,2</sub>	min. 3.5 mm
r <sub>3,4</sub>	min. 3.3 mm
a	25.387 mm

### ABUTMENT DIMENSIONS

$d_a$	max. 64 mm
$d_b$	min. 57.5 mm
D <sub>a</sub>	min. 89 mm
D <sub>a</sub>	max. 99.5 mm





$D_b$	min. 97 mm
$C_a$	min. 4 mm
$C_b$	min. 7.5 mm
r <sub>a</sub>	max. 3.5 mm
$r_b$	max. 3.3 mm

### CALCULATION DATA

Basic dynamic load rating	С	183 kN
Basic static load rating	$C_0$	190 kN
Fatigue load limit	$P_{\rm u}$	21.6 kN
Reference speed		5 300 r/min
Limiting speed		6 300 r/min
Calculation factor	е	0.3
Calculation factor	Υ	2
Calculation factor	$Y_0$	1.1

### MASS

Mass bearing	1.85 kg
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### More information

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





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