

# 539/532 X

Popular item SKF Explorer

## Tapered roller bearings, single row

Bearing data

Tolerances,

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

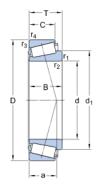
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

Dimension series 535



### **DIMENSIONS**

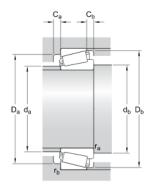
d	53.975 mm
D	107.95 mm
Т	36.512 mm
$d_1$	≈ 76.5 mm
В	36.957 mm
С	28.575 mm
r <sub>1,2</sub>	min. 3.5 mm
r <sub>3,4</sub>	min. 3.3 mm
a	23.799 mm

### ABUTMENT DIMENSIONS

$d_a$	max. 64 mm
d <sub>b</sub>	min. 67 mm
$D_a$	min. 90 mm
$D_a$	max. 96 mm







$D_b$	min. 97 mm
$C_a$	min. 5 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	$P_{u}$	21.6 kN
Reference speed		5300 r/min
Limiting speed		6300 r/min
Calculation factor	е	0.3
Calculation factor	Υ	2
Calculation factor	Yo	1.1

### MASS

Mass bearing	1.47 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	-selection -se	bearing -selection General	Select	Select
Loads	Loads		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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