

# 33024

Popular item SKF Explorer

Tapered roller bearings, single row

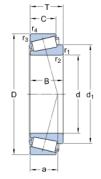
Bearing data

Tolerances, Normal and CL7C, CLN, Normal and CL, deviating width Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

## Dimension series

Technical specification

2DE



### DIMENSIONS

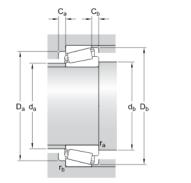
d	120 mm
D	180 mm
Т	48 mm
d <sub>1</sub>	≈ 149.38 mm
В	48 mm
С	38 mm
r <sub>1,2</sub>	min. 2.5 mm
r <sub>3,4</sub>	min. 2 mm
a	36.338 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 132 mm
d <sub>b</sub>	min. 133 mm
D <sub>a</sub>	min. 160 mm
D <sub>a</sub>	max. 169 mm







D <sub>b</sub>	min. 171 mm
C <sub>a</sub>	min. 6 mm
C <sub>b</sub>	min. 10 mm
r <sub>a</sub>	max. 2.5 mm
r <sub>b</sub>	max. 2 mm

## CALCULATION DATA

Basic dynamic load rating	С	356 kN
Basic static load rating	C <sub>0</sub>	540 kN
Fatigue load limit	Pu	56 kN
Reference speed		2800 r/min
Limiting speed		3400 r/min
Calculation factor	е	0.3
Calculation factor	Y	2
Calculation factor	Y <sub>0</sub>	1.1

## MASS

Mass bearing	4.18 kg
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## More information

Product details	Product details	Engineering i	nforn Eanlajonneering ir	formatidan	Tools
Designs and variants Bearing data Loads Tempera ture limits Permissi ble speed Design c onsiderati ons Bearing designati ons Designati on system	Designs and variants Bearing data Loads Tempera ture limits Permissi ble speed Design c onsiderati ons Bearing designati ons Designati on system	Principles of rolling bearing selection General bearing k nowledge Bearing selection process Bearing failure and how to prevent it	Principles of rolling bearing selection General bearing k nowledge Bearing selection process Bearing failure and how to prevent it	SimPro Quick Bearing Select Engineer ing Calcul ator LubeSele ct for SKF greases Heater Selection Tool Oil Injection Method Program skf.com/ mount	SimPro Quick Bearing Select Engineer ing Calcul ator LubeSele ct for SKF greases Heater Selection Tool Oil Injection Method Program skf.com/ mount



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