

31319 Popular item

## 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

7GB

# Technical specification

Dimension series

 $r_{1}$ 

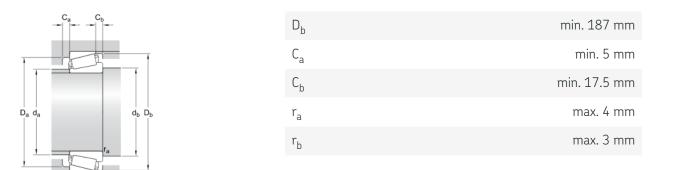
## DIMENSIONS

d	95 mm
D	200 mm
Т	49.5 mm
d <sub>1</sub>	≈ 145.53 mm
В	45 mm
С	32 mm
r <sub>1,2</sub>	min. 4 mm
r <sub>3,4</sub>	min. 3 mm
a	59.671 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 114 mm
d <sub>b</sub>	min. 111 mm
D <sub>a</sub>	min. 157 mm
D <sub>a</sub>	max. 187.5 mm





## CALCULATION DATA

Basic dynamic load rating	С	314 kN
Basic static load rating	C <sub>O</sub>	355 kN
Fatigue load limit	P <sub>u</sub>	39 kN
Reference speed		2400 r/min
Limiting speed		3400 r/min
Calculation factor	е	0.83
Calculation factor	Υ	0.72
Calculation factor	Y <sub>0</sub>	0.4

## MASS

Mass bearing	6.31 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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