



# 30319

## Tapered roller bearings, single row

### Bearing data

#### Tolerances,

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

### Bearing interfaces

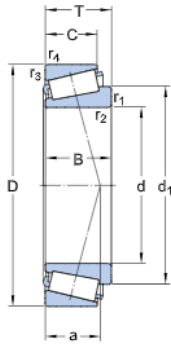
#### Seat tolerances for standard conditions,

Tolerances and resultant fit

## Technical specification

Dimension series

2GB



### DIMENSIONS

d	95 mm
D	200 mm
T	49.5 mm
d <sub>1</sub>	≈ 139.1 mm
B	45 mm
C	38 mm
r <sub>1,2</sub>	min. 4 mm
r <sub>3,4</sub>	min. 3 mm
a	38.636 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 119 mm
d <sub>b</sub>	min. 111 mm
D <sub>a</sub>	min. 172 mm
D <sub>a</sub>	max. 187 mm



$D_b$	min. 184 mm
$C_a$	min. 7 mm
$C_b$	min. 11.5 mm
$r_a$	max. 4 mm
$r_b$	max. 3 mm

## CALCULATION DATA

Basic dynamic load rating	$C$	353 kN
Basic static load rating	$C_0$	390 kN
Fatigue load limit	$P_u$	42.5 kN
Reference speed		2 600 r/min
Limiting speed		3 400 r/min
Calculation factor	$e$	0.35
Calculation factor	$Y$	1.7
Calculation factor	$Y_0$	0.9

## MASS

Mass bearing	6.46 kg
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## More information

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

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