



## 32944/DF

SKF Explorer

Tapered roller bearings, single row,  
matched face-to-face

Bearing data

[Tolerances,](#)

Normal + CL7C, P5, total width,

[Internal clearance,](#)

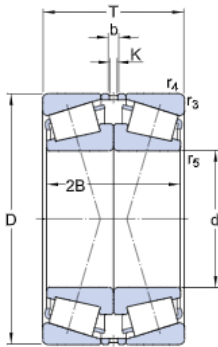
values

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

### Technical specification

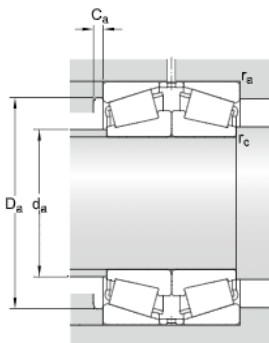


### DIMENSIONS

d	220 mm
D	300 mm
T	102 mm
2B	102 mm
b	10 mm
K	7.5 mm
$r_{3,4}$	min. 2.5 mm
$r_5$	min. 1 mm

### ABUTMENT DIMENSIONS

$d_a$	max. 235 mm
$D_a$	min. 275 mm
$D_a$	max. 286.5 mm
$C_a$	min. 9 mm
$r_a$	max. 3 mm
$r_c$	max. 1 mm



## CALCULATION DATA

Basic dynamic load rating	C	1 030 kN
Basic static load rating	C <sub>0</sub>	2 000 kN
Fatigue load limit	P <sub>u</sub>	183 kN
Reference speed		1 200 r/min
Limiting speed		1 900 r/min
Calculation factor	e	0.43
Calculation factor	Y <sub>1</sub>	
Calculation factor	Y <sub>2</sub>	1.4
Calculation factor	Y <sub>0</sub>	0.8

## MASS

Mass bearing pair	21.1 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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