



## 31315/DF

Popular item  
SKF Explorer

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

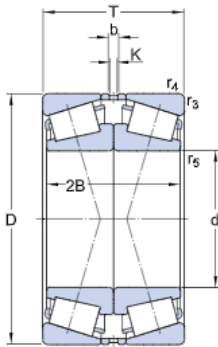
Bearing data

[Tolerances](#),  
Normal + CL7C, P5, total width,  
[Internal clearance](#),  
values

Bearing interfaces

[Seat tolerances for standard conditions](#),  
[Tolerances and resultant fit values](#)

### Technical specification

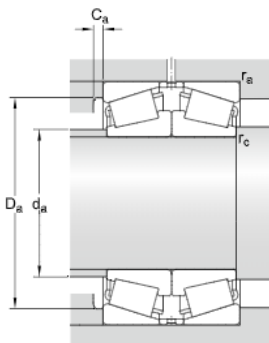


### DIMENSIONS

d	75 mm
D	160 mm
T	80 mm
2B	74 mm
b	15 mm
K	10 mm
$r_{3,4}$	min. 2.5 mm
$r_5$	min. 1 mm

### ABUTMENT DIMENSIONS

$d_a$	max. 91 mm
$D_a$	min. 127 mm
$D_a$	max. 149 mm
$C_a$	min. 5 mm
$r_a$	max. 3 mm
$r_c$	max. 1 mm



## CALCULATION DATA

Basic dynamic load rating	C	438 kN
Basic static load rating	C <sub>0</sub>	490 kN
Fatigue load limit	P <sub>u</sub>	58.5 kN
Reference speed		2 400 r/min
Limiting speed		4 300 r/min
Calculation factor	e	0.83
Calculation factor	Y <sub>1</sub>	
Calculation factor	Y <sub>2</sub>	0.72
Calculation factor	Y <sub>0</sub>	0.4

## MASS

Mass bearing pair	7.17 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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