



## BT4B 331168 B

### Tapered roller bearings, four-row, TQO design

#### Bearing data

[Tolerances,](#)  
metric bearings, inch bearings,  
[Internal clearance](#)

#### Bearing interfaces

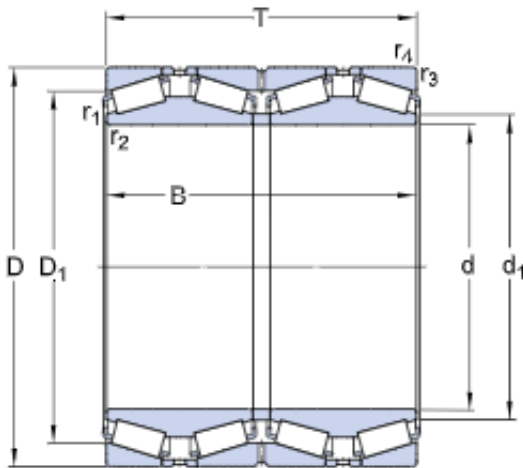
[Seat tolerances for standard conditions,](#)  
[Tolerances and resultant fit](#)

## Technical specification

### DESIGN

Design variant/feature

TQO/WI



### DIMENSIONS

d	269.875 mm
D	381 mm
B	282.575 mm
T	282.575 mm
d <sub>1</sub>	≈ 293 mm
D <sub>1</sub>	≈ 339 mm
r <sub>1,2</sub>	min. 3.3 mm
r <sub>3,4</sub>	min. 3.3 mm

### CALCULATION DATA

Basic dynamic load rating	C	3 080 kN
Basic static load rating	C <sub>0</sub>	7 500 kN
Fatigue load limit	P <sub>u</sub>	655 kN
Comparative radial load rating	C <sub>F</sub>	815 kN

Comparative axial load rating	$C_{Fa}$	132 kN
Thrust factor	K	1.76
Calculation factor	e	0.33
Calculation factor	$Y_1$	2
Calculation factor	$Y_2$	3
Calculation factor	$Y_0$	2

## MASS

Mass bearing	105 kg
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## More information

<p>Product details</p> <ul style="list-style-type: none"> <li><a href="#">Designs and variants</a></li> <li><a href="#">Bearing data</a></li> <li><a href="#">Loads</a></li> <li><a href="#">Temperature limits</a></li> <li><a href="#">Design considerations</a></li> <li><a href="#">Mounting</a></li> <li><a href="#">Designation system</a></li> </ul>	<p>Engineering information</p> <ul style="list-style-type: none"> <li><a href="#">Principles of rolling bearing selection</a></li> <li><a href="#">General bearing knowledge</a></li> <li><a href="#">Bearing selection process</a></li> <li><a href="#">Bearing failure and how to prevent it</a></li> </ul>	<p>Tools</p> <ul style="list-style-type: none"> <li><a href="#">SimPro Quick</a></li> <li><a href="#">Bearing Select</a></li> <li><a href="#">Engineering Calculator</a></li> <li><a href="#">LubeSelect for SKF greases</a></li> <li><a href="#">Heater Selection Tool</a></li> <li><a href="#">Oil Injection Method Program</a></li> </ul>
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