

## YAT 209

Popular item

### Insert bearings

#### Bearing data

[Tolerances](#),

table 1, table 2,

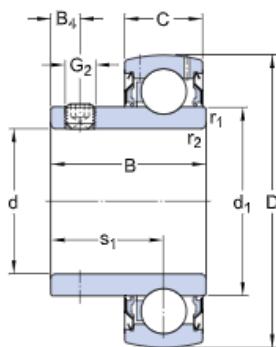
[Radial internal clearance](#),

Standard inner ring, Other bearings

#### Design considerations

[Shaft tolerances](#)

### Technical specification



#### DIMENSIONS

d	45 mm
D	85 mm
B	37 mm
C	22 mm
d <sub>1</sub>	≈ 56.8 mm
B <sub>4</sub>	7 mm
r <sub>1,2</sub>	min. 1 mm
s <sub>1</sub>	25.8 mm

#### CALCULATION DATA

Basic dynamic load rating	C	33.2 kN
Basic static load rating	C <sub>0</sub>	21.6 kN
Fatigue load limit	P <sub>u</sub>	0.915 kN
Limiting speed1)		4 300 r/min
Calculation factor	f <sub>0</sub>	14

#### MASS

Mass bearing	0.56 kg
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## MOUNTING INFORMATION

Set screw	G <sub>2</sub>	M6x0.75
Hexagonal key size for set screw	N	3 mm
Recommended tightening torque for set screw		4 N·m

## More information

Product details	Engineering information	Tools
<a href="#">Designs and variants</a>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">Bearing Select</a>
<a href="#">Lubrication</a>	<a href="#">General bearing knowledge</a>	<a href="#">Engineering Calculator</a>
<a href="#">Bearing data</a>	<a href="#">Bearing selection process</a>	<a href="#">SimPro Quick</a>
<a href="#">Loads</a>	<a href="#">Bearing failure and how to prevent it</a>	<a href="#">Heater selection tool</a>
<a href="#">Temperature limits</a>		
<a href="#">Permissible speed</a>		
<a href="#">Design considerations</a>		
<a href="#">Mounting and dismounting</a>		
<a href="#">Designation system</a>		

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