

# YAT 207-107

## Insert bearings

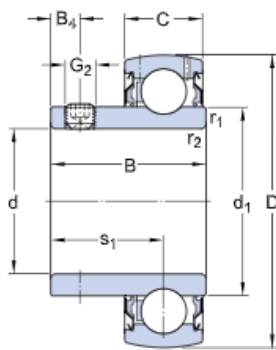
### Bearing data

[Tolerances](#),  
table 1, table 2,  
[Radial internal clearance](#),  
Standard inner ring, Other bearings

### Design considerations

[Shaft tolerances](#)

## Technical specification



### DIMENSIONS

d	36.513 mm
D	72 mm
B	33 mm
C	19 mm
d <sub>1</sub>	≈ 46.1 mm
B <sub>4</sub>	6 mm
r <sub>1,2</sub>	min. 1 mm
s <sub>1</sub>	23.3 mm

### CALCULATION DATA

Basic dynamic load rating	C	25.5 kN
Basic static load rating	C <sub>0</sub>	15.3 kN
Fatigue load limit	P <sub>u</sub>	0.655 kN
Limiting speed1)		5 300 r/min
Calculation factor	f <sub>0</sub>	14

### MASS

Mass bearing	0.36 kg
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## MOUNTING INFORMATION

Set screw	G <sub>2</sub>	5/16-24 UNF
Hexagonal key size for set screw	N	3.969 mm
Recommended tightening torque for set screw		6.5 N·m

## ASSOCIATED PRODUCTS

Rubber seating ring	RIS 207 A
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## More information

<p>Product details</p> <ul style="list-style-type: none"> <li><a href="#">Designs and variants</a></li> <hr/> <li><a href="#">Lubrication</a></li> <hr/> <li><a href="#">Bearing data</a></li> <hr/> <li><a href="#">Loads</a></li> <hr/> <li><a href="#">Temperature limits</a></li> <hr/> <li><a href="#">Permissible speed</a></li> <hr/> <li><a href="#">Design considerations</a></li> <hr/> <li><a href="#">Mounting and dismounting</a></li> <hr/> <li><a href="#">Designation system</a></li> <hr/> </ul>	<p>Engineering information</p> <ul style="list-style-type: none"> <li><a href="#">Principles of rolling bearing selection</a></li> <hr/> <li><a href="#">General bearing knowledge</a></li> <hr/> <li><a href="#">Bearing selection process</a></li> <hr/> <li><a href="#">Bearing failure and how to prevent it</a></li> <hr/> </ul>	<p>Tools</p> <ul style="list-style-type: none"> <li><a href="#">Bearing Select</a></li> <hr/> <li><a href="#">Engineering Calculator</a></li> <hr/> <li><a href="#">SimPro Quick</a></li> <hr/> <li><a href="#">Heater selection tool</a></li> <hr/> </ul>
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