

# YAT 210-115

## Insert bearings

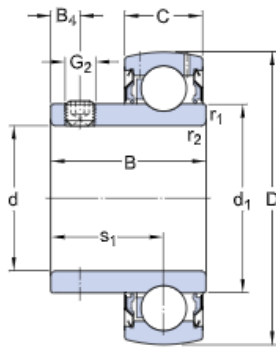
### Bearing data

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

### Design considerations

[Shaft tolerances](#)

## Technical specification



### DIMENSIONS

d	49.213 mm
D	90 mm
B	38.8 mm
C	22 mm
d <sub>1</sub>	≈ 62.51 mm
B <sub>4</sub>	8 mm
r <sub>1,2</sub>	min. 1 mm
s <sub>1</sub>	27.6 mm

### CALCULATION DATA

Basic dynamic load rating	C	35.1 kN
Basic static load rating	C <sub>0</sub>	23.2 kN
Fatigue load limit	P <sub>u</sub>	0.98 kN
Limiting speed1)		4 000 r/min
Calculation factor	f <sub>0</sub>	14

### MASS

Mass bearing	0.65 kg
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## MOUNTING INFORMATION

Set screw	G <sub>2</sub>	3/8-24 UNF
Hexagonal key size for set screw	N	4.763 mm
Recommended tightening torque for set screw		16.5 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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