

# YAR 205-100-2LPW/SS Insert

## bearings

Popular item

### Insert bearings

#### Bearing data

[Tolerances](#),

table 1, table 2,

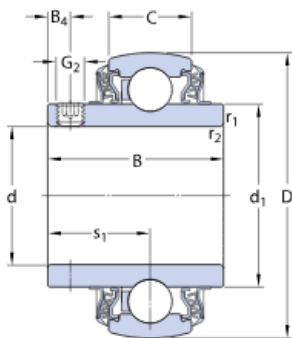
[Radial internal clearance](#),

Standard inner ring, Other bearings

#### Design considerations

[Shaft tolerances](#)

## Technical specification



### DIMENSIONS

d	25.4 mm
D	52 mm
B	34.1 mm
C	15 mm
d <sub>1</sub>	≈ 33.74 mm
B <sub>4</sub>	5 mm
r <sub>1,2</sub>	min. 0.6 mm
s <sub>1</sub>	19.8 mm

### CALCULATION DATA

Basic dynamic load rating	C	11.9 kN
Basic static load rating	C <sub>0</sub>	7.8 kN
Fatigue load limit	P <sub>u</sub>	0.335 kN
Limiting speed <sup>1)</sup>		4 300 r/min
Calculation factor	f <sub>0</sub>	14

### MASS

Mass bearing	0.19 kg
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## MOUNTING INFORMATION

Set screw	G <sub>2</sub>	1/4-28 UNF
Hexagonal key size for set screw	N	3.175 mm
Recommended tightening torque for set screw		4 N·m

## ASSOCIATED PRODUCTS

Rubber seating ring		RIS 205
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More information

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

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