

## YAR 205-100-2LPW/SS

Popular item

### Insert bearings

#### Bearing data

[Tolerances](#),

table 1, table 2,

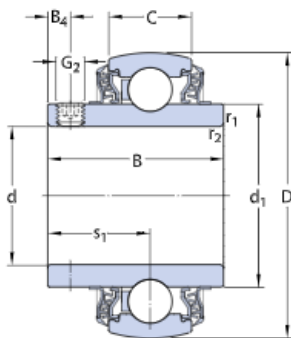
[Radial internal clearance](#),

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
$d_1$	≈ 33.74 mm
$B_4$	5 mm
$r_{1,2}$	min. 0.6 mm
$s_1$	19.8 mm

#### CALCULATION DATA

Basic dynamic load rating	C	11.9 kN
Basic static load rating	$C_0$	7.8 kN
Fatigue load limit	$P_u$	0.335 kN
Limiting speed1)		4 300 r/min
Calculation factor	$f_0$	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

<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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