



## YSP 205 SB-2F

### Insert bearings

#### Bearing data

[Tolerances,](#)

table 1, table 2,

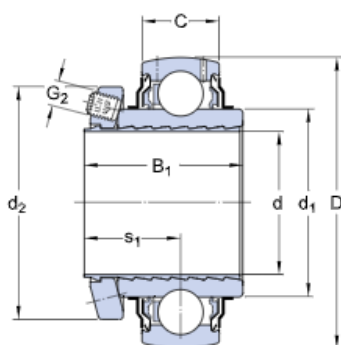
[Radial internal clearance,](#)

Standard inner ring, Other bearings

#### Design considerations

[Shaft tolerances](#)

### Technical specification



#### DIMENSIONS

d	25 mm
D	52 mm
B <sub>1</sub>	33. 2 mm
C	15 mm
d <sub>1</sub>	≈ 3 3.7 4 mm
d <sub>2</sub>	41. 7 mm
s <sub>1</sub>	21. 2 mm

Values specified for B<sub>1</sub> and s<sub>1</sub> are approximate and before the set screw is tightened (sleeve and inner ring bore at starting position).

### CALCULATION DATA

Basic dynamic load rating	C	14 kN
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Basic static load rating	$C_0$	7.8 kN
Fatigue load limit	$P_u$	0.335 kN
Limiting speed1)		7 000 r/min
Calculation factor	$f_0$	14

## MASS

Mass bearing	0.19 kg
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## MOUNTING INFORMATION

Set screw	$G_2$	M5
Hexagonal key size for set screw	N	2.54 mm
Recommended tightening torque for set screw		4.2 N·m

## ASSOCIATED PRODUCTS

Rubber seating ring	RIS 205
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## 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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