



YSP 210-115 SB-2F

Insert bearings

Bearing data

[Tolerances,](#)

table 1, table 2,

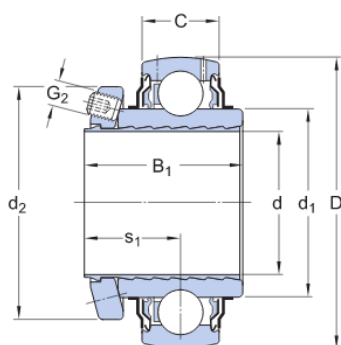
[Radial internal clearance,](#)

Standard inner ring, Other bearings

Design considerations

[Shaft tolerances](#)

Technical specification



DIMENSIONS

d	49.213 mm	Bore diameter of sleeve
D	90 mm	Outside diameter
B ₁	46.2 mm	Overall bearing width
C	22 mm	Width of outer ring
d ₁	≈ 62.51 mm	Outside diameter of inner ring
d ₂	72 mm	Outside diameter of locking collar
s ₁	27.7 mm	Distance from locking device side face to bearing centre

Values specified for B₁₁

CALCULATION DATA

Basic dynamic load rating	C	35.1 kN
Basic static load rating	C ₀	23.2 kN
Fatigue load limit	P _u	0.98 kN
Limiting speed ¹⁾		4 000 r/min
Calculation factor	f ₀	14

MASS

Mass	0.76 kg
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MOUNTING INFORMATION

Set screw	G ₂	M6
Hexagonal key size for set screw	N	3.05 mm
Recommended tightening torque for set screw		7.4 Nm

ASSOCIATED PRODUCTS

Rubber seating ring	RIS 210 A
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More information

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