



YSP 211 SB-2F

Insert bearings

Bearing data

[Tolerances,](#)

table 1, table 2,

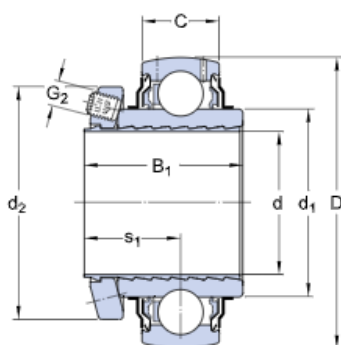
[Radial internal clearance,](#)

Standard inner ring, Other bearings

Design considerations

[Shaft tolerances](#)

Technical specification



DIMENSIONS

d	55 mm
D	100 mm
B ₁	49. 2 mm
C	25 mm
d ₁	≈ 6 9.0 6 mm
d ₂	77. 6 mm
s ₁	29. 2 mm

Values specified for B₁ and s₁ are approximate and before the set screw is tightened (sleeve and inner ring bore at starting position).

CALCULATION DATA

Basic dynamic load rating

C

43.6 kN

Basic static load rating	C_0	29 kN
Fatigue load limit	P_u	1.25 kN
Limiting speed ¹⁾		3600 r/min
Calculation factor	f_0	14

MASS

Mass bearing	0.98 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 N·m

More information

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

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