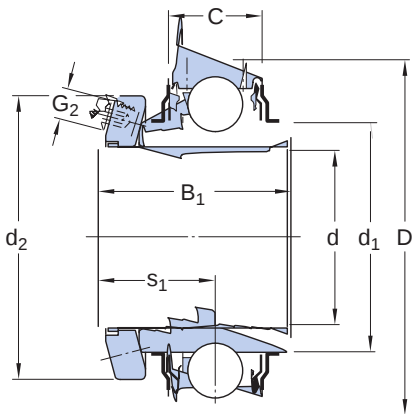


YSP 205-100 SB-2F



Insert bearings are based on sealed deep groove ball bearings. This variant is suitable for applications with both constant and alternating directions of rotation, heavy loads and/or high speeds. It has an inner ring extended on both sides and uses NR ConCentra locking technology, enabling quick and easy mounting onto the shaft.

- Quick and easy to mount onto the shaft
- Long service life
- Reduce noise and vibration levels



Dimensions		
d	25.4 mm	Bore diameter of sleeve
D	52 mm	Outside diameter
B ₁	33.2 mm	Overall bearing width
C	15 mm	Width of outer ring
d ₁	≈ 33.74 mm	Outside diameter of inner ring
d ₂	41.7 mm	Outside diameter of locking collar
s ₁	21.2 mm	Distance from locking device side face to raceway centre

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	14 kN
Basic static load rating	C ₀	7.8 kN
Fatigue load limit	P _u	0.335 kN
Limiting speed		7 000 r/min
Calculation factor	f ₀	14

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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Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table 1, table 2
- Radial internal clearance: Standard inner ring, Other bearings

BEARING INTERFACES

- Shaft tolerances