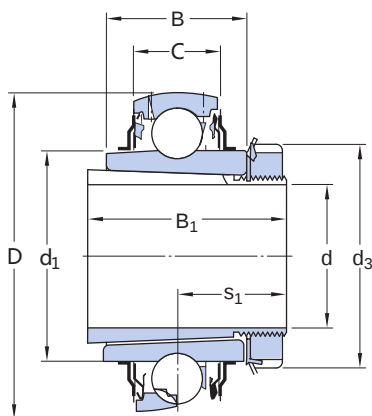


YSA 205-2FK



Insert bearings are based on sealed deep groove ball bearings. This variant, with a tapered bore, is suitable for applications with both constant and alternating directions of rotation. It is locked with an adapter sleeve, enabling quick and easy mounting onto the shaft. Adapter sleeve needs to be ordered separately.

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



Dimensions

d	20 mm	Bore diameter of sleeve
D	52 mm	Outside diameter
B ₁	35 mm	Width of sleeve
B	24 mm	Width of inner ring
C	15 mm	Width of outer ring
d ₁	≈ 33.74 mm	Outside diameter of inner ring
d ₃	38 mm	Outside diameter of lock nut
s ₁	20.25 mm	Distance from locking device side face to raceway centre

Value specified for s_1 is approximate and before the sleeve is driven into the bearing bore (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
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Mounting information

Associated spanner		HN 5
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Recommended tightening angle for lock nut	α	90 °
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Associated products

Rubber seating ring		RIS 205
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Adapter sleeve		H 2305
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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