



SKF YSA 205-2FK

Insert bearing with tapered bore and adapter sleeve locking

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.

Technical specifications

Dimensions	
Bore diameter of sleeve	20 mm
Outside diameter	52 mm
Width of sleeve	35 mm
Width of inner ring	24 mm
Width of outer ring	15 mm
Outside diameter of inner ring	33.74 mm
Outside diameter of lock nut	38 mm
Distance from locking device side face to raceway centre	20.25 mm
	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).
Shaft diameter	20 mm
Bore diameter	25 mm
Width, total	24 mm
Width, inner ring	24 mm
Width, outer ring	15 mm

Calculation data	
Basic dynamic load rating	14 kN
Basic static load rating	7.8 kN
Fatigue load limit	0.335 kN
Limiting speed	7000 r/min
Calculation factor	14

Mounting information	
Associated spanner	HN 5
Recommended tightening angle for lock nut	90 °

Associated products	
Rubber seating ring	RIS 205
Adapter sleeve	H 2305

Performance	
Basic dynamic load rating	14 kN
Basic static load rating	7.8 kN
Limiting speed	7000 r/min

Properties	
Retaining feature, inner ring	Adapter sleeve
Bore type	Tapered
Rolling elements	Balls
Outer ring type	Spherical
Inner ring extension	Symmetrically on both sides
Cage	Non-metallic
Rubber seating ring	Without
Material, bearing	Bearing steel

Coating	Without
Sealing	Seal and flinger on both sides
Sealing type	Contact, standard
Lubricant	Grease
Relubrication feature	With

Logistics	
Product net weight	0.151 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

