



SKF YSA 209-2FK

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	40 mm
Outside diameter	85 mm
Width of sleeve	50 mm
Width of inner ring	35 mm
Width of outer ring	22 mm
Outside diameter of inner ring	56.8 mm
Outside diameter of lock nut	65 mm
Distance from locking device side face to raceway centre	28.75 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	40 mm
Bore diameter	45 mm
Width, total	35 mm
Width, inner ring	35 mm
Width, outer ring	22 mm
Calculation data	
Basic dynamic load rating	33.2 kN
Basic static load rating	21.6 kN
Fatigue load limit	0.915 kN
Limiting speed	4300 r/min
Calculation factor	14
Mounting information	
Associated spanner	HN 9
Recommended tightening angle for lock nut	110 °
Associated products	
Rubber seating ring	RIS 209 A
Adapter sleeve	H 2309
Performance	
Basic dynamic load rating	33.2 kN
Basic static load rating	21.6 kN
Limiting speed	4300 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	0.522 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

