



SKF YAR 210-2F

Insert bearing with set screw locking and extended inner ring

Insert bearings are based on sealed deep groove ball bearings. This variant is suitable for applications with both constant and alternating directions of rotation. It has an inner ring extended on both sides and is locked onto the shaft by tightening two (set) screws on the inner ring, making it easy to mount.

Technical specifications

Dimensions	
Bore diameter	50 mm
Outside diameter	90 mm
Width of inner ring	51.6 mm
Width of outer ring	22 mm
Outside diameter of inner ring	62.51 mm
Distance face to thread centre	9 mm
Chamfer dimension of inner ring	1 mm
Distance from locking device side face to raceway centre	32.6 mm
Shaft diameter	50 mm
Width, total	51.6 mm
Width, inner ring	51.6 mm
Width, outer ring	22 mm

Calculation data	
Basic dynamic load rating	35.1 kN
Basic static load rating	23.2 kN
Fatigue load limit	0.98 kN
Limiting speed	4000 r/min
	Limiting speed with shaft tolerance h6
Calculation factor	14

Mounting information	
Set screw	M10x1
Hexagonal key size for set screw	5 mm
Recommended tightening torque for set screw	16.5 N·m

Associated products	
Rubber seating ring	RIS 210 A

Performance	
Basic dynamic load rating	35.1 kN
Basic static load rating	23.2 kN
Limiting speed	4000 r/min
Note	Limiting speed with shaft tolerance h6

Properties	
Retaining feature, inner ring	Set screws
Bore type	Cylindrical
Rolling elements	Balls
Outer ring type	Spherical
Inner ring extension	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	0.742 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

