



SKF YAR 203/12-2F

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	12 mm
Outside diameter	40 mm
Width of inner ring	27.4 mm
Width of outer ring	12 mm
Outside diameter of inner ring	24.2 mm
Distance face to thread centre	4 mm
Chamfer dimension of inner ring	0.3 mm
Distance from locking device side face to raceway centre	15.9 mm
Shaft diameter	12 mm
Width, total	27.4 mm
Width, inner ring	27.4 mm
Width, outer ring	12 mm

Calculation data	
Basic dynamic load rating	9.56 kN
Basic static load rating	4.75 kN
Fatigue load limit	0.2 kN
Limiting speed	9500 r/min
	Limiting speed with shaft tolerance h6
Calculation factor	13

Mounting information	
Set screw	M6x0.75
Hexagonal key size for set screw	3 mm
Recommended tightening torque for set screw	4 N·m

Associated products	
Rubber seating ring	RIS 203

Performance	
Basic dynamic load rating	9.56 kN
Basic static load rating	4.75 kN
Limiting speed	9500 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	0.119 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings