



SKF YAR 216-2F

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	80 mm
Outside diameter	140 mm
Width of inner ring	77.8 mm
Width of outer ring	30 mm
Outside diameter of inner ring	97.4 mm
Distance face to thread centre	12 mm
Chamfer dimension of inner ring	2 mm
Distance from locking device side face to raceway centre	47.6 mm
Shaft diameter	80 mm
Width, total	77.8 mm
Width, inner ring	77.8 mm
Width, outer ring	30 mm

Calculation data	
Basic dynamic load rating	72.8 kN
Basic static load rating	53 kN
Fatigue load limit	2.16 kN
Limiting speed	2400 r/min
	Limiting speed with shaft tolerance h6
Calculation factor	15

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

Performance	
Basic dynamic load rating	72.8 kN
Basic static load rating	53 kN
Limiting speed	2400 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	2.45 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

