



SKF YEL 210-2F

Insert bearing with an eccentric locking collar and extended inner ring

Insert bearings are based on sealed deep groove ball bearings. This variant is intended for use in applications where the direction of rotation is constant. It has an inner ring extended on both sides, with an eccentric locking collar, enabling quick and easy mounting onto the shaft.

Technical specifications

Dimensions	
Bore diameter	50 mm
Outside diameter	90 mm
Overall bearing width	62.7 mm
Width of inner ring	49.2 mm
Width of outer ring	22 mm
Outside diameter of inner ring	62.51 mm
Outside diameter of locking collar	67.2 mm
Distance from side face to thread centre	6.75 mm
Chamfer dimension of inner ring	1 mm
Distance from locking device side face to raceway centre	38.1 mm
Shaft diameter	50 mm
Width, total	62.7 mm
Width, inner ring	49.2 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	Eccentric collar
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	0.9 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

