



SKF YEL 208-2RF/VL065

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	40 mm
Outside diameter	80 mm
Overall bearing width	56.3 mm
Width of inner ring	42.8 mm
Width of outer ring	21 mm
Outside diameter of inner ring	51.8 mm
Outside diameter of locking collar	56.5 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	34.9 mm
Shaft diameter	40 mm
Width, total	56.3 mm
Width, inner ring	42.8 mm
Width, outer ring	21 mm

Calculation data	
Basic dynamic load rating	30.7 kN
Basic static load rating	19 kN
Fatigue load limit	0.8 kN
Limiting speed	2800 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 208 A

Performance	
Basic dynamic load rating	30.7 kN
Basic static load rating	19 kN
Limiting speed	2800 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	Zinc-coated inner ring bore and side faces

Sealing	Seal and flinger on both sides
Sealing type	Contact, multiple
Lubricant	Grease
Relubrication feature	With

Logistics	
Product net weight	0.676 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

