



SKF YEL 204-2F

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	20 mm
Outside diameter	47 mm
Overall bearing width	43.7 mm
Width of inner ring	34.2 mm
Width of outer ring	14 mm
Outside diameter of inner ring	28.2 mm
Outside diameter of locking collar	32.4 mm
Distance from side face to thread centre	4.75 mm
Chamfer dimension of inner ring	0.6 mm
Distance from locking device side face to raceway centre	26.6 mm
Shaft diameter	20 mm
Width, total	43.7 mm
Width, inner ring	34.2 mm
Width, outer ring	14 mm

Calculation data	
Basic dynamic load rating	12.7 kN
Basic static load rating	6.55 kN
Fatigue load limit	0.28 kN
Limiting speed	8500 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 204

Performance	
Basic dynamic load rating	12.7 kN
Basic static load rating	6.55 kN
Limiting speed	8500 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	0.196 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings