



SKF UC 310

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	50 mm
Outside diameter	110 mm
Width of inner ring	61 mm
Width of outer ring	30 mm
Outside diameter of inner ring	69.1 mm
Distance face to thread centre	12 mm
Chamfer dimension of inner ring	3 mm
Distance from locking device side face to raceway centre	39 mm
Shaft diameter	50 mm
Width, total	61 mm
Width, inner ring	61 mm
Width, outer ring	30 mm

Calculation data	
Basic dynamic load rating	61.8 kN
Basic static load rating	38 kN
Fatigue load limit	1.6 kN
Limiting speed	3400 r/min
	Limiting speed with shaft tolerance h6
Calculation factor	13

Mounting information	
Set screw	M12x1.5
Hexagonal key size for set screw	6.08 mm
Recommended tightening torque for set screw	28.5 N·m

Performance	
Basic dynamic load rating	61.8 kN
Basic static load rating	38 kN
Limiting speed	3400 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	Sheet metal
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	1.65 kg
eClass code	23-05-16-02
UNSPSC code	31171536

SKF drawings

