



SKF YAT 208

Insert bearing with set screws locking and narrow inner ring

Insert bearings are based on sealed deep groove ball bearings. This variant of insert bearing is suitable for applications with both constant and alternating directions of rotation. It has an inner ring extended on one side, and is locked onto the shaft by tightening two (set) screws on the inner ring.

Technical specifications

Dimensions	
Bore diameter	40 mm
Outside diameter	80 mm
Width of inner ring	36 mm
Width of outer ring	21 mm
Outside diameter of inner ring	51.8 mm
Distance face to thread centre	7 mm
Chamfer dimension of inner ring	1 mm
Distance from locking device side face to raceway centre	25.3 mm
Shaft diameter	40 mm
Width, total	36 mm
Width, inner ring	36 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	4800 r/min
	Limiting speed with shaft tolerance h6
Calculation factor	14

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 208 A

Performance	
Basic dynamic load rating	30.7 kN
Basic static load rating	19 kN
Limiting speed	4800 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 one side
Cage	Non-metallic
Rubber seating ring	Without
Material, bearing	Bearing steel
Coating	Without
Sealing	Seal on both sides
Sealing type	Contact, standard

Lubricant	Grease
Relubrication feature	With

Logistics	
Product net weight	0.488 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

