



SKF YAT 207

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	35 mm
Outside diameter	72 mm
Width of inner ring	33 mm
Width of outer ring	19 mm
Outside diameter of inner ring	46.1 mm
Distance face to thread centre	6 mm
Chamfer dimension of inner ring	1 mm
Distance from locking device side face to raceway centre	23.3 mm
Shaft diameter	35 mm
Width, total	33 mm
Width, inner ring	33 mm
Width, outer ring	19 mm

Calculation data	
Basic dynamic load rating	25.5 kN
Basic static load rating	15.3 kN
Fatigue load limit	0.655 kN
Limiting speed	5300 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 207 A

Performance	
Basic dynamic load rating	25.5 kN
Basic static load rating	15.3 kN
Limiting speed	5300 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	0.373 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

