



SKF FY 40 TF/VA201

Square flanged ball bearing unit with set screw locking, high temperature, cast iron

These square flanged ball bearing units are designed for high temperature applications and are compliant with ISO standards. They consist of a high temperature insert bearing, with an extended inner ring and set screw locking, and are suitable for applications where the direction of rotation is constant or alternating. The bearing is mounted in a cast iron housing, which can be bolted to a machine wall or frame. Ball bearing units can accommodate moderate initial misalignment, but normally do not permit axial displacement.

Technical specifications

General	
Running in required	Yes

Dimensions	
Shaft diameter	40 mm
Shoulder diameter inner ring	51.8 mm
Height housing	38.5 mm
Step height	14 mm
Width inner ring	49.2 mm
Distance from locking device side face to thread centre	8 mm
Top external diameter	98 mm
Base external diameter	106 mm
Distance between attachment bolts	101.5 mm
Overall width	130 mm
Hole diameter	14 mm
Distance from locking device side face to raceway centre	30.2 mm
Overall height	54.2 mm
Attachment bolt diameter	10 mm
Housing overall width	38.5 mm
Width, total	54.2 mm
Centre distance between bolt holes	101.5 mm
Bearing width, total	49.2 mm

Calculation data	
Basic dynamic load rating	30.7 kN
Basic static load rating	19 kN
Limiting speed	70 r/min
Operating temperature	250 °C

Mounting information	
Set screw	M8x1
Hexagonal key size for set screw	4 mm
Recommended tightening torque for set screw	6.5 N·m
Attachment bolts, recommended metric size	10 mm
Attachment bolts, recommended inch size	0.375 in

Performance	
Basic dynamic load rating	30.7 kN
Basic static load rating	19 kN
Limiting speed	70 r/min
Maximum operating temperature	250 °C

Properties	
Housing type	Flanged
Flanged housing type	Square
Number of bolt holes for fasteners	4
Fastening bolt hole type	Plain
Retaining feature, inner ring	Set screws

Bore type	Cylindrical
Rubber seating ring	Without
Material, housing	Cast iron
Material, bearing	High temperature steel
Coating	Zinc-coated housing and manganese phosphate coated bearing
Sealing, bearing	Shield and flinger on both sides
Sealing type	Non-contact
Sealing, unit	Without
Lubricant	Solid lubricant
Relubrication hole	Without
Grease fitting	Without

Logistics	
Product net weight	1.83 kg
eClass code	23-05-90-90
UNSPSC code	31171536

SKF drawings

