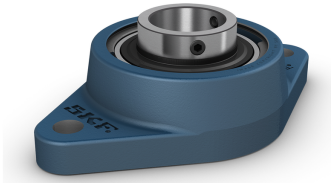


SKF FYTB 50 TF

Oval flanged ball bearing unit with set screw locking, cast iron housing, ISO



These oval flanged ball bearing units are compliant with ISO standards. They consist of an 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	
Compliance with standard	ISO
Purpose specific	For material handling applications
Material, housing	Cast iron
Sealing, bearing	Seal and flinger on both sides
Sealing type, bearing	Contact, standard
Sealing, unit	Optional end cover
Coating	Without

Dimensions	
Bore diameter	50 mm
Outer diameter of inner ring	62.51 mm
Width of housing	43 mm
Flange width	15 mm
Depth of centring recess	3.2 mm
Width including end cover	33 mm
Width of inner ring	51.6 mm
Overall bearing width	51.6 mm
Distance from locking device side face to thread centre	9 mm
Top external diameter	107 mm
Base external diameter	116 mm
Diameter of housing centering recess	101.6 mm
Overall height	189 mm
Centre distance between bolt holes	157 mm
Overall length	116 mm
Diameter of attachment bolt hole	18 mm
Distance from locking device side face to raceway centre	32.6 mm
Overall width	60.6 mm
Housing thread for grease fitting	1/4-28 UNF
Axial position of the housing thread	28.5 mm
Angular position of the housing thread	45 °
Diameter of head sphere of grease fitting	6.5 mm
Hexagonal key size for the grease fitting	7 mm
Thread of grease fitting	1/4-28 SAE-LT
Distance of dowel pins	127 mm
Axial offset of dowel pins	20 mm
Recommended diameter for dowel pins	2 mm
Attachment bolt diameter	16 mm
Shaft diameter	50 mm
Housing overall width	43 mm
Width, total	60.6 mm
Bearing width, total	51.6 mm

Calculation data	
Basic dynamic load rating	35.1 kN
Basic static load rating	23.2 kN
Fatigue load limit	0.98 kN
Limiting speed	4000 r/min

Mounting information

Set screw	M10x1
Hexagonal key size for set screw	5 mm
Recommended tightening torque for set screw	16.5 N·m
Recommended diameter for attachment bolts, mm	16 mm
Recommended diameter for attachment bolts, inch	0.625 in

Performance

Basic dynamic load rating	35.1 kN
Basic static load rating	23.2 kN
Limiting speed	4000 r/min
Note	Limiting speed with shaft tolerance h6

Properties

Housing type	Flanged
Flanged housing type	Oval
Number of bolt holes for fasteners	2
Fastening bolt hole type	Plain
Retaining feature, inner ring	Set screws
Bore type	Cylindrical
Rubber seating ring	Without
Material, housing	Cast iron
Material, bearing	Bearing steel
Coating	Without
Sealing, bearing	Seal and flinger on both sides
Sealing type	Contact, standard
Sealing, unit	Optional end cover
Lubricant	Grease
Relubrication hole	With
Grease fitting	With

Logistics

Product net weight	2.06 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

