

SKF FYTBK 25 TF



Oval flanged ball bearing unit with set screw locking and extended inner ring, co

These oval flanged ball bearing units are compliant with ISO standards. The unit consists of an insert bearing, with an extended inner ring and set screw locking, and is suitable for applications where the direction of rotation is constant or alternating. The bearing is mounted in a composite 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	Composite
Sealing, bearing	Seal and flinger on both sides
Sealing type, bearing	Contact, standard
Sealing, unit	Optional end cover
Coating	Without

Dimensions	
Bore diameter	25 mm
Outer diameter of inner ring	33.74 mm
Width of housing	30 mm
Flange width	15 mm
Depth of centring recess	3.2 mm
Width including end cover	20 mm
Width of inner ring	34.1 mm
Overall bearing width	34.1 mm
Distance from locking device side face to thread centre	5 mm
Top external diameter	65 mm
Diameter of housing centering recess	63.5 mm
Overall height	124 mm
Depth of housing centering recess	6 mm
Centre distance between bolt holes	99 mm
Overall length	70 mm
Diameter of attachment bolt hole	12.3 mm
Distance from locking device side face to raceway centre	19.8 mm
Overall width	38.8 mm
Attachment bolt diameter	10 mm
Shaft diameter	25 mm
Housing overall width	30 mm
Bearing width, total	34.1 mm

Calculation data	
Basic dynamic load rating	14 kN
Basic static load rating	7.8 kN
Fatigue load limit	0.335 kN
Limiting speed	7000 r/min
	Limiting speed with shaft tolerance h6

Mounting information	
Set screw	M6x0.75
Hexagonal key size for set screw	3 mm
Recommended tightening torque for set screw	4 N·m
Recommended diameter for attachment bolts, mm	10 mm
Recommended diameter for attachment bolts, inch	0.375 in

Performance	

Basic dynamic load rating	14 kN
Basic static load rating	7.8 kN
Limiting speed	7000 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	Composite
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	Without
Grease fitting	Without

Logistics	
Product net weight	0.29 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

