



SKF FY 2.15/16 UTF

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

These square 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 with boundary dimension deviations
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	74.613 mm
Outer diameter of inner ring	92.05 mm
Width of housing	65 mm
Flange width	19 mm
Width of inner ring	73.3 mm
Overall bearing width	73.3 mm
Distance from locking device side face to thread centre	12 mm
Top external diameter	155 mm
Base external diameter	162 mm
Centre distance between bolt holes	152.5 mm
Overall length	197 mm
Diameter of attachment bolt hole	22 mm
Distance from locking device side face to raceway centre	46.3 mm
Overall width	87.58 mm
Housing thread for grease fitting	1/8-27 NPT
Axial position of the housing thread	41 mm
Diameter of head sphere of grease fitting	6.579 mm
Hexagonal key size for the grease fitting	11.113 mm
Thread of grease fitting	1/8-27 NPT
Attachment bolt diameter	19.05 mm
Shaft diameter	74.613 mm
Housing overall width	65 mm
Width, total	87.58 mm
Bearing width, total	73.3 mm

Calculation data	
Basic dynamic load rating	66.3 kN
Basic static load rating	49 kN
Fatigue load limit	2.04 kN
Limiting speed	2600 r/min
	Limiting speed with shaft tolerance h6

Mounting information	
Set screw	7/16-20 UNF
Hexagonal key size for set screw	5.556 mm
Recommended tightening torque for set screw	28.5 N·m
Recommended diameter for attachment bolts, mm	20 mm
Recommended diameter for attachment bolts, inch	0.75 in

Performance	
Basic dynamic load rating	66.3 kN
Basic static load rating	49 kN
Limiting speed	2600 r/min
Note	Limiting speed with shaft tolerance h6

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	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	6.34 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

