



SKF FYJ 60 KF

Square flanged ball bearing unit for adapter sleeve locking, cast iron housing, JIS

These square flanged ball bearing units are compliant with Japanese Industrial Standards (JIS). They consist of an insert bearing, locked to the shaft with an adapter sleeve, which enables the bearings to operate at higher speeds and run more smoothly. 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. The adapter sleeve is not included in the unit and should be ordered separately.

Technical specifications

General	
Compliance with standard	Order adapter sleeve separately JIS
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	Without
Coating	Without

Dimensions	
Bore diameter	55 mm
Outer diameter of inner ring	75.64 mm
Outside diameter of lock nut	80 mm
Width of housing	48 mm
Flange width	18 mm
Depth of centring recess	3.2 mm
Width of sleeve	62 mm
Top external diameter	140 mm
Base external diameter	140 mm
Diameter of housing centering recess	161.9 mm
Centre distance between bolt holes	143 mm
Overall length	175 mm
Diameter of attachment bolt hole	19 mm
Distance from locking device side face to raceway centre	33.7 mm
Overall width	62.8 mm
	Value specified for $s_{>1}$ is approximate and before the sleeve is driven into the bearing bore (sleeve and inner ring bore at starting position).
Housing thread for grease fitting	1/4-28 UNF
Axial position of the housing thread	28.5 mm
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	161 mm
Axial offset of dowel pins	49.5 mm
Recommended diameter for dowel pins	4 mm
Attachment bolt diameter	16 mm
Shaft diameter	55 mm
Housing overall width	48 mm
Width, total	62.8 mm
Bearing width, total	42.4 mm

Calculation data	
Basic dynamic load rating	52.7 kN
Basic static load rating	36 kN
Fatigue load limit	1.53 kN

Limiting speed	3400 r/min
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Mounting information

Associated spanner	HN 12
Recommended lock nut tightening angle	95 °
Recommended diameter for attachment bolts, mm	16 mm
Recommended diameter for attachment bolts, inch	0.625 in

Performance

Basic dynamic load rating	52.7 kN
Basic static load rating	36 kN
Limiting speed	3400 r/min

Properties

Associated mounting tool	HN 12
Housing type	Flanged
Flanged housing type	Square
Number of bolt holes for fasteners	4
Fastening bolt hole type	Plain
Retaining feature, inner ring	Adapter sleeve
Bore type	Tapered
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	Without
Lubricant	Grease
Relubrication hole	With
Grease fitting	With

Logistics

Product net weight	3.79 kg
eClass code	23-05-16-02
UNSPSC code	31171536

SKF drawings

