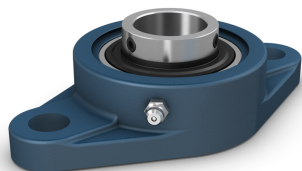


SKF UCFL 208/H



Oval flange ball bearing unit with extended inner ring and set screw locking, cast

These oval flanged ball bearing units are compliant with JIS 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	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	Optional end cover
Coating	Without

Dimensions	
Bore diameter	40 mm
Outer diameter of inner ring	51.8 mm
Width of housing	34 mm
Flange width	14 mm
Width including end cover	26 mm
Width of inner ring	49.2 mm
Distance from locking device side face to thread centre	8 mm
Top external diameter	100 mm
Overall height	174.5 mm
Centre distance between bolt holes	144 mm
Overall length	100 mm
Diameter of attachment bolt hole	16 mm
Distance from locking device side face to raceway centre	30.2 mm
Overall width	51.2 mm
Housing thread for grease fitting	1/4-28 UNF
Axial position of the housing thread	25 mm
Angular position of the housing thread	45 °
Diameter of head sphere of grease fitting	6.6 mm
Hexagonal key size for the grease fitting	7.94 mm
Thread of grease fitting	1/4-28 UNF
Attachment bolt diameter	14 mm
Shaft diameter	40 mm
Housing overall width	34 mm
Width, total	51.2 mm
Bearing width, total	49.2 mm

Calculation data	
Basic dynamic load rating	30.7 kN
Basic static load rating	19 kN
Fatigue load limit	0.8 kN
Limiting speed	3750 r/min
	Limiting speed with shaft tolerance h6

Mounting information	
Set screw	M8x1
Hexagonal key size for set screw	4 mm
Recommended tightening torque for set screw	6.5 N·m
Recommended diameter for attachment bolts, mm	14 mm

Recommended diameter for attachment bolts, inch	0.5625 in
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Performance

Basic dynamic load rating	30.7 kN
Basic static load rating	19 kN
Limiting speed	3750 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	1.51 kg
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SKF drawings

