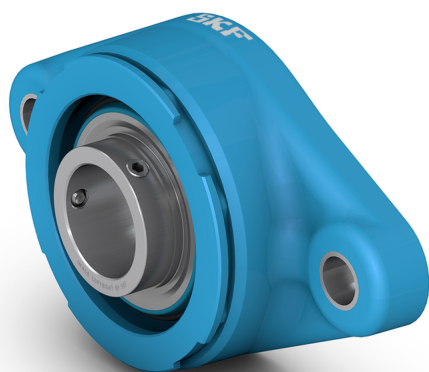


F2BC 30M-TPSS



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

These oval flanged ball bearing units are designed especially for the food and beverage industries. They are chemical resistant, lightweight and strong. 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.

- Chemical resistant
- Pre-lubricated for life with a non-toxic food grade grease
- Lightweight
- Strong

Overview

Dimensions

Bearing width, total	38.1 mm
Centre distance between bolt holes	117 mm
Housing overall width	33 mm
Shaft diameter	30 mm

Performance

Basic dynamic load rating	16.3 kN
Basic static load rating	11.2 kN
Limiting speed	3 800 r/min

Properties

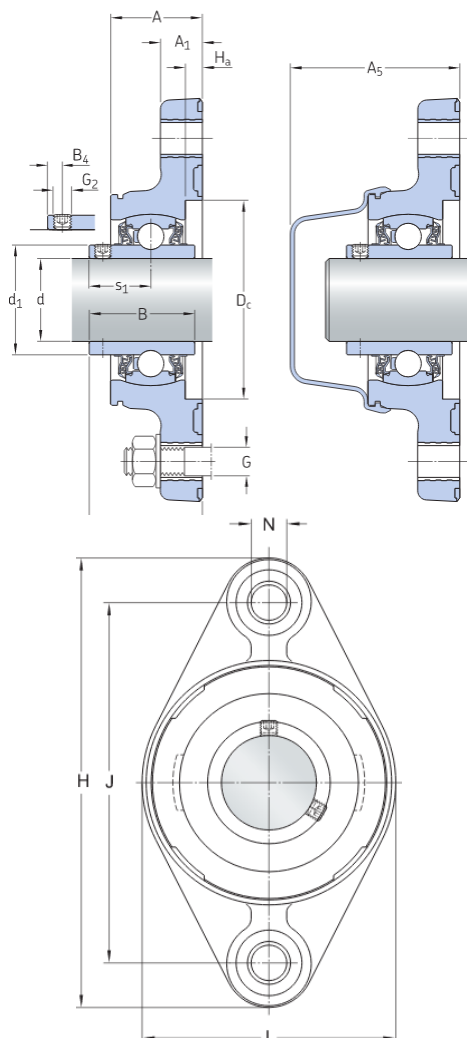
Bore type	Cylindrical
Coating	Without
Fastening bolt hole type	Plain
Flanged housing type	Oval
Housing type	Flanged
Lubricant	Grease
Material, bearing	Stainless steel
Material, housing	Composite for the SKF Food Line
Number of bolt holes for fasteners	2
Relubrication hole	Without
Relubrication nipple	Without
Retaining feature, inner ring	Set screws
Rubber seating ring	Without

Sealing type	Contact, gutter
Sealing, bearing	Seal and flinger on both sides
Sealing, unit	Without

Technical Specification

Compliance with standard	Not standardized
Purpose specific	For food and beverage applications
Housing material	Composite for the SKF Food Line
Sealing solution	Gutter seals and flingers

Dimensions



d	30 mm	Bore diameter
d ₁	≈ 39.7 mm	Outer diameter inner ring
A	33 mm	Overall width
A ₁	15 mm	Flange width
A ₅	61.1 mm	Width including end cover
B	38.1 mm	Width of inner ring
B ₄	5 mm	Distance from locking device side face to thread centre
D _c	72 mm	Diameter of housing centering recess
H	146 mm	Overall height
H _a	6 mm	Depth of housing centering recess
J	117 mm	Distance between attachment bolts
L	82 mm	Overall length
N	11.5 mm	Diameter of attachment bolt hole
s ₁	22.2 mm	Distance from locking device side face to raceway centre
T	40.9 mm	Overall unit width

Calculation data

Basic dynamic load rating	C	16.3 kN
Basic static load rating	C ₀	11.2 kN
Fatigue load limit	P _u	0.475 kN
Limiting speed		3 800 r/min
with shaft tolerance h6		

Mass

Mass bearing unit	0.44 kg
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Mounting information

Set screw	G ₂	M6x0.75
Hexagonal key size for set screw		3 mm
Recommended tightening torque for set screw		4 Nm
Recommended diameter for attachment bolts, mm	G	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

Included products

Housing	F2BC 506
Bearing	YAR 206-2LPW/SS

Associated products

End cover	ECB 506
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