

FYWK 30 YTH



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

These square 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 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	82.5 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

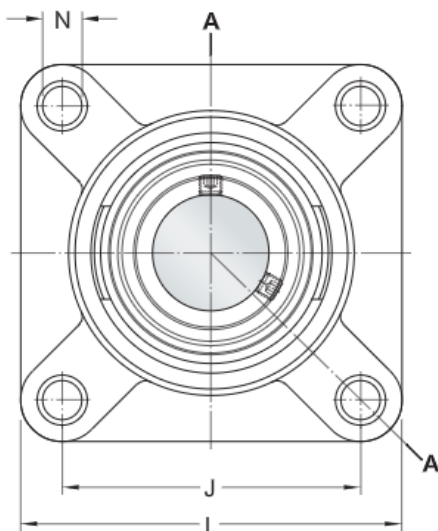
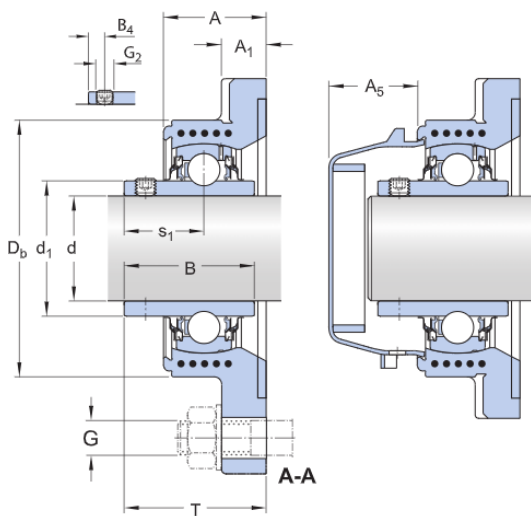
Properties

Bore type	Cylindrical
Coating	Without
Fastening bolt hole type	Plain
Flanged housing type	Square
Housing type	Flanged
Lubricant	Grease
Material, bearing	Bearing steel
Material, housing	Composite for the SKF Food Line
Number of bolt holes for fasteners	4
Relubrication hole	Without
Relubrication nipple	Without
Retaining feature, inner ring	Set screws
Rubber seating ring	Without

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

Technical Specification

Compliance with standard	ISO
Purpose specific	For food and beverage applications
Housing material	Composite for the SKF Food Line
Sealing solution	Multiple seals



Dimensions

d	30 mm	Bore diameter
d ₁	≈ 39.7 mm	Outer diameter inner ring
A	33 mm	Overall width
A ₁	15.3 mm	Flange width
A ₅	30.5 mm	Standout of end cover
B	38.1 mm	Width of inner ring
B ₄	5 mm	Distance from locking device side face to thread centre
D _b	78 mm	Top external diameter
J	82.5 mm	Distance between attachment bolts
L	108 mm	Overall length
N	12.3 mm	Diameter of attachment bolt hole
s ₁	22.2 mm	Distance from locking device side face to raceway centre
T	42.2 mm	Overall unit width

Calculation data

Basic dynamic load rating	C	16.3 kN
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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		0.54 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		FYWK 506 Y
Bearing		YAR 206-2RF/HV

Associated products

End cover		ECW 206
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