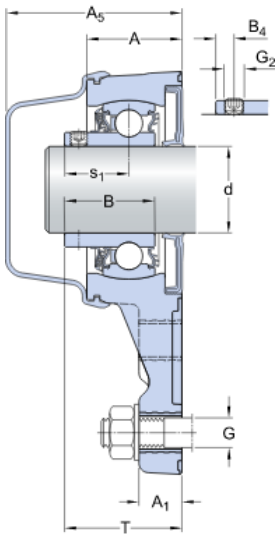


F3BBC 100-CPSS-DFH

3-bolt bracket flanged ball bearing units

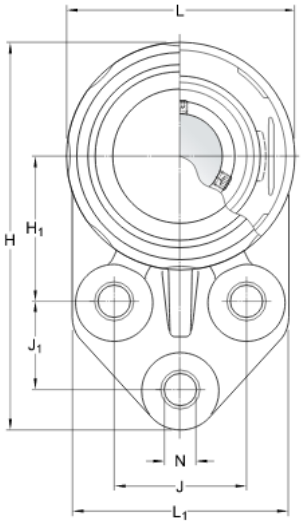
Technical specification

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 back seal



DIMENSIONS

d	25.4 mm
A	29 mm
A_1	15 mm
A_5	55.6 mm
B	27.3 mm
B_4	5 mm
J	41.5 mm
J_1	28.5 mm
H	125 mm
H_1	46 mm
L	72 mm
L_1	72 mm
N	11.5 mm



s_1	19.8 mm
T	37.3 mm

CALCULATION DATA

Basic dynamic load rating	C	11.9 kN
Basic static load rating	C_0	7.8 kN
Fatigue load limit	P_u	0.335 kN
Limiting speed		700 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.34 kg

MOUNTING INFORMATION

Set screw	G_2	1/4-28 UNF
Hexagonal key size for set screw	N	3.175 mm
Recommended tightening torque for set screw		4 N·m
Recommended diameter for attachment bolts, mm	G	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

INCLUDED PRODUCTS

Housing	F3BBC 505
Bearing	YAS 205-100-2LP1W/SS

End cover	ECB 505
Back seal	ECS 505-1

More information

Product details

- Flanged units to ISO standards
- Flanged units to North American standards
- Flanged units to Japanese Industrial Standards (JIS)
- Flanged units, not standardized (SKF Food Line)
- Ball bearing unit data
- Loads
- Temperature limits
- Permissible speed
- Lubrication
- Mounting and dismounting
- Designation system

Engineering information

- Principles of ball bearing units selection and application - Download catalogue (4.9 MB)
- Principles of selecting mounted bearing solutions
- Bearing failure and how to prevent it

Tools

- Bearing Select
- Engineering Calculator
- Rolling bearings mounting and dismounting instructions

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