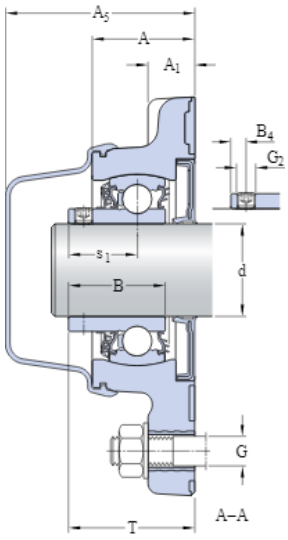


F4BC 104-CPSS-DFH

Square flanged ball bearing units

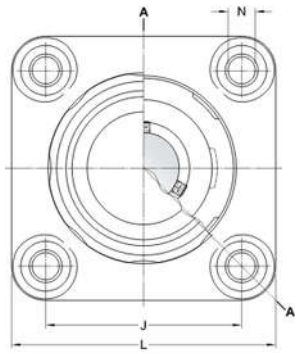
Technical specification

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	31.75 mm
A	36 mm
A_1	17 mm
A_5	64.6 mm
B	34.9 mm
B_4	6 mm
D_c	82 mm
J	92 mm
L	125 mm
N	14.2 mm
s_1	25.4 mm
T	45.1 mm



CALCULATION DATA

Basic dynamic load rating	C	21.6 kN
Basic static load rating	C_0	15.3 kN
Fatigue load limit	P_u	0.655 kN
Limiting speed		700 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.8 kg

MOUNTING INFORMATION

Set screw	G_2	5/16-24 UNF
Hexagonal key size for set screw	N	3.969 mm
Recommended tightening torque for set screw		6.5 N·m
Recommended diameter for attachment bolts, mm	G	12 mm
Recommended diameter for attachment bolts, inch	G	0.5 in

INCLUDED PRODUCTS

Housing	F4BC 507
Bearing	YAS 207-104-2LP1W/SS

End cover	ECB 507
Back seal	ECS 507-1.1/4

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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