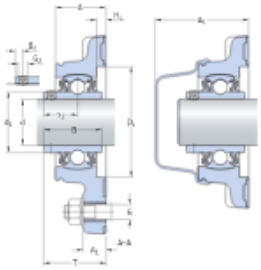


F4BC 50M-TPSS

Square flanged ball bearing units

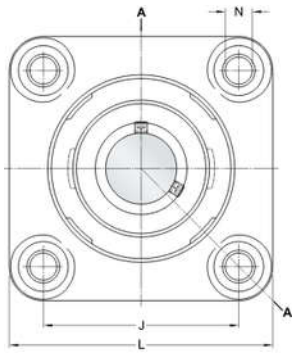
Technical specification

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 flingers



DIMENSIONS

d	50 mm
d_1	≈ 62.51 mm
A	42 mm
A_1	19 mm
A_5	74 mm
B	51.6 mm
B_4	9 mm
D_c	98 mm
H_a	6 mm
J	111 mm
L	153 mm
N	17.5 mm
s_1	32.6 mm



T		53.6 mm

CALCULATION DATA

Basic dynamic load rating	C	29.6 kN
Basic static load rating	C_0	23.2 kN
Fatigue load limit	P_u	0.98 kN
Limiting speed		2200 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	1.21 kg

MOUNTING INFORMATION

Set screw	G_2	M10x1
Hexagonal key size for set screw	N	5 mm
Recommended tightening torque for set screw		16.5 N·m
Recommended diameter for attachment bolts, mm	G	16 mm
Recommended diameter for attachment bolts, inch	G	0.625 in

INCLUDED PRODUCTS

Housing	F4BC 510
Bearing	YAR 210-2LPW/SS

ASSOCIATED PRODUCTS

End cover	ECB 510

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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