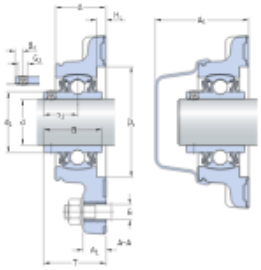


F4BC 25M-TPSS

Square flanged ball bearing units

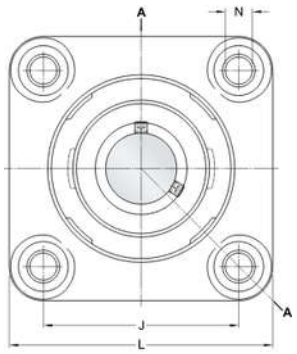
Technical specification

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	25 mm
d_1	≈ 33.74 mm
A	29 mm
A_1	15 mm
A_5	55.6 mm
B	34.1 mm
B_4	5 mm
D_c	62 mm
H_a	6 mm
J	70 mm
L	99 mm
N	11.5 mm
s_1	19.8 mm



T		36.8 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		4300 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.35 kg

MOUNTING INFORMATION

Set screw	G_2	M6x0.75
Hexagonal key size for set screw	N	3 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	F4BC 505
Bearing	YAR 205-2LPW/SS

ASSOCIATED PRODUCTS

End cover	ECB 505

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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