

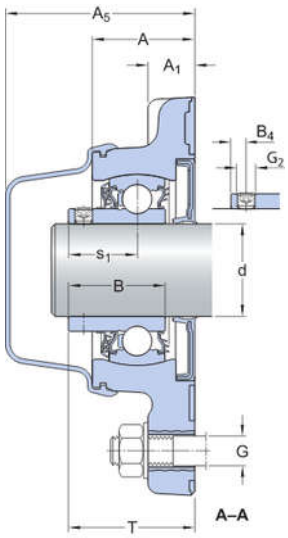
F4BC 20M-CPSS-DFH

Square flanged ball bearing units

The values depend on the included bearing:
table 1, table 2, table 3,
table 4

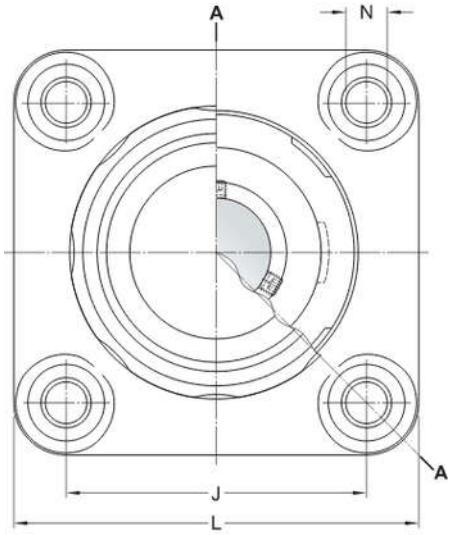
Technical specification

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	20 mm	Bore diameter
A	27 mm	Overall width
A_1	15 mm	Flange width
A_5	54.1 mm	Standout of end cover
B	25.3 mm	Width of inner ring
B4	4.5 mm	Distance from locking device side face to thread centre
J	63.5 mm	Distance between attachment bolts
L	92 mm	Overall length
N	11.5 mm	Diameter of attachment bolt hole
s1	18.3 mm	Distance from locking device side face to raceway centre
T	35 mm	Overall unit width



CALCULATION DATA

Basic dynamic load rating	C	10.8 kN
Basic static load rating	C_0	6.55 kN
Fatigue load limit	P_u	0.28 kN
Limiting speed		700 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.31 kg

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	F4BC 504
Bearing	YAS 204-2LP1W/SS
End cover	ECB 504
Back seal	ECS 504-20M

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)
- Permissible misalignment
- Locating/non-locating support flanged
- Loads
- Temperature limits
- Permissible speed
- Lubrication
- Mounting and dismounting
- Ordering information
- 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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