



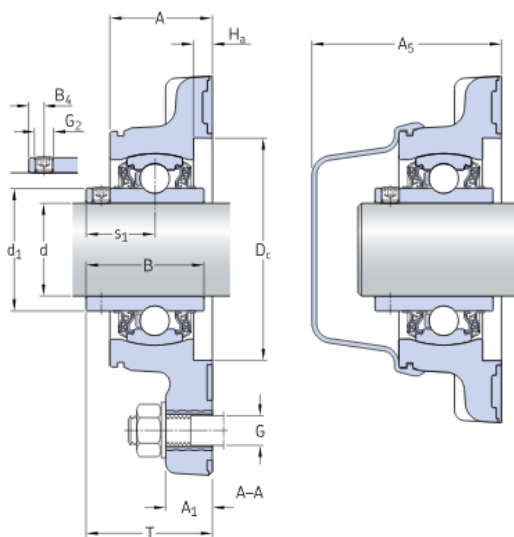
F4BC 100-TPSS Square flanged ball bearing units

Square flanged ball bearing units

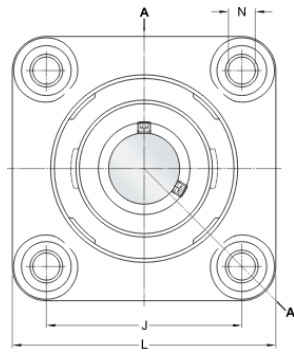
Technical specification

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	25.4 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		4 300 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.35 kg
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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	F4BC 505
Bearing	YAR 205-100-2LPW/SS

ASSOCIATED PRODUCTS

End cover

ECB 505

More information

Product details	Product details	Engineering information	Engineering information	Tools	Tools
Flanged units to ISO standards	Flanged units to ISO standards	Principles of ball bearing units selection and application - Download catalogue (4.9 MB)	Principles of ball bearing units selection and application - Download catalogue (4.9 MB)	Bearing Select	Bearing Select
Flanged units to North American standards	Flanged units to North American standards	Principles of selecting mounted bearing units failure and how to prevent it	Principles of selecting mounted bearing units failure and how to prevent it	Engineering Calculator	Engineering Calculator
Flanged units to Japanese Industrial Standard (JIS)	Flanged units to Japanese Industrial Standard (JIS)			Rolling bearings mounting and dismounting instructions	Rolling bearings mounting and dismounting instructions
Flanged units, not standardized (SKF Food Line)	Flanged units, not standardized (SKF Food Line)				
Permissible misalignment	Permissible misalignment				
Locating/non-locating support	Locating/non-locating support				
flanged Loads	flanged Loads				
Temperature limits	Temperature limits				
Permissible speed	Permissible speed				
Lubrication	Lubrication				
Mounting and dismounting	Mounting and dismounting				

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