



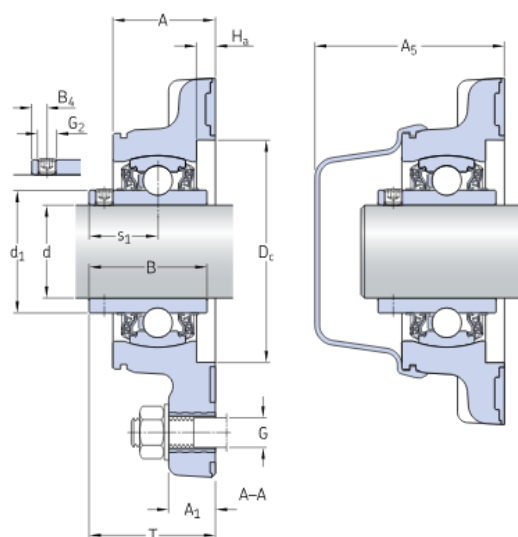
F4BC 20M-TPSS Square flanged ball bearing units

Square flanged ball bearing units

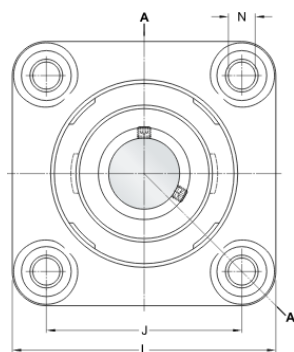
Technical specification

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	20 mm
d ₁	≈ 28.2 mm
A	27 mm
A ₁	15 mm
A ₅	54.1 mm
B	31 mm
B ₄	4.5 mm
D _c	52 mm
H _a	6 mm
J	63.5 mm
L	92 mm
N	11.5 mm
s ₁	18.3 mm



T

34.8 mm

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		5 000 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.29 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 504
Bearing	YAR 204-2LPW/SS

ASSOCIATED PRODUCTS

End cover

ECB 504

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 ball bearing units selection and application - Download catalogue (4.9 MB)	Principles of ball bearing units selection and application - Download catalogue (4.9 MB)	Engineering Calculator	Engineering Calculator
Flanged units to Japanese Industrial Standard (JIS)	Flanged units to Japanese Industrial Standard (JIS)	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)	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)	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)		
Permissible misalignment	Permissible misalignment	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)		
Locating/non-locating support flanged Loads	Locating/non-locating support flanged Loads	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)		
Temperature limits	Temperature limits	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)		
Permissible speed	Permissible speed	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)		
Lubrication	Lubrication	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)		
Mounting and dismounting	Mounting and dismounting	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)		

Terms and conditions

By accessing and using this website / app of SKF Group, meaning AB SKF and / or any of its affiliates ("SKF"), you agree to the following terms and conditions:

Warranty Disclaimer and Limitation of Liability

Although every care has been taken to assure the accuracy of the information on this website / app, SKF provides this information "AS IS" and DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. You acknowledge that your use of this website / app is at your sole risk, that you assume full responsibility for all costs associated with use of this website / app, and that SKF shall not be liable for any direct, incidental, consequential, or indirect damages of any kind arising out of your access to, or use of the information or software made available on this website / app. Any warranties and representations in this website / app for SKF products or services that you purchase or use will be subject to the agreed upon terms and conditions in the contract for such product or service. Further, for non-SKF websites / apps that are referenced in our website / app or where a hyperlink appears, SKF makes no warranties concerning the accuracy or reliability of the information in these websites / apps and assumes no responsibility for material created or published by third parties contained therein. In addition, SKF does not warrant that this website / app or these other linked websites / apps are free from viruses or other harmful elements.

Copyright

Copyright in this website / app copyright of the information and software made available on this website / app rest with SKF or its licensors. All rights are reserved. All licensed material will reference the licensor that has granted SKF the right to use the material. The information and software made available on this website / app may not be reproduced, duplicated, copied, transferred, distributed, stored, modified, downloaded or otherwise exploited for any commercial use without the prior written approval of SKF. However, it may be reproduced, stored and downloaded for use by individuals without prior written approval of SKF. Under no circumstances may this information or software be supplied to third parties.

This website /app includes certain images used under license from Shutterstock, Inc.

Trademarks and Patents

All trademarks, brand names, and corporate logos displayed on the website / app are the property of SKF or its licensors, and may not be used in any way without prior written approval by SKF. All licensed trademarks published on this website / app reference the licensor that has granted SKF the right to use the trademark. Access to this website / app does not grant to the user any license under any patents owned by or licensed to SKF.

Changes

SKF reserves the right to make changes or additions to this website / app at any time.