

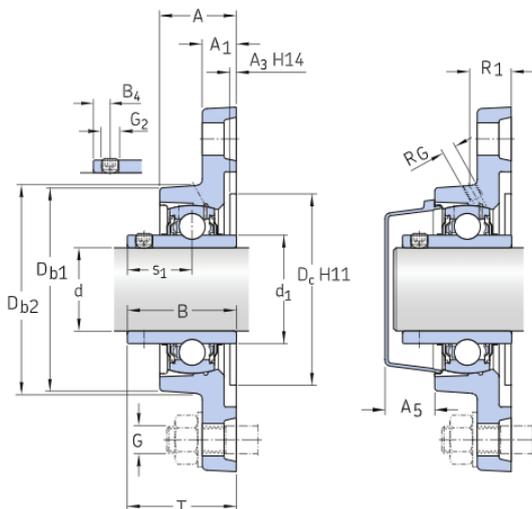
FYTB 20 TF

Oval flanged ball bearing units



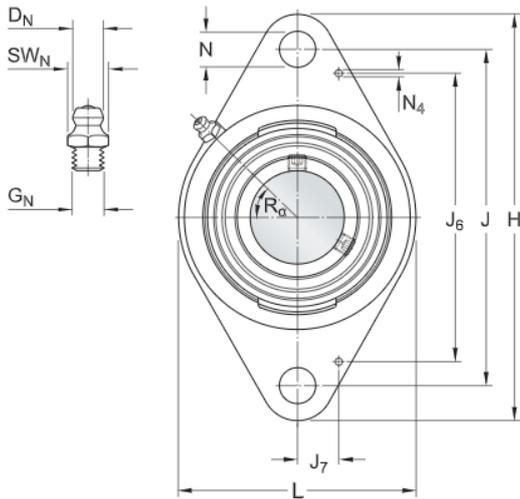
Technical specification

Compliance with standard	ISO
Purpose specific	For material handling applications
Housing material	Cast iron
Sealing solution	Standard seals with additional flingers



DIMENSIONS

d	20 mm	Bore diameter
d1	≈28.2 mm	Outer diameter inner ring
A	29.5 mm	Overall width
A ₁	11 mm	Flange width
A ₃	3.2 mm	Depth of centring recess
A ₅	20.5 mm	Standout of end cover
B	31 mm	Overall bearing width
B ₄	4.5 mm	Distance from locking device side face to thread centre
D _{b1}	58 mm	Top external diameter
D _{b2}	60.5 mm	Base external diameter
D _c	50.8 mm	Centering diameter
H	112 mm	Overall height



J	90 mm	Distance between attachment bolts
L	60.5 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	37.3 mm	Overall unit width

THREADED HOLE

R _G	1/4-28 UNF	Housing thread for grease fitting
R ₁	20 mm	Axial position of the housing thread
R _α	45°	Angular position of the housing thread

GREASE FITTING

DN	6.5 mm	Diameter of head sphere of grease fitting
SWN	7 mm	Hexagonal key size for the grease fitting
G _N	1/4-28 SAE-LT	Thread of the grease fitting

DOWEL PINS

J ₆	74 mm	Distance of dowel pins
J ₇	11.5 mm	Axial offset of dowel pins
N4	2 mm	Recommended diameter for dowel pins

CALCULATION DATA

Basic dynamic load rating	C	12.7 kN
Basic static load rating	C ₀	6.55 kN
Fatigue load limit	P _u	0.28 kN
Limiting speed		8 500 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.45 kg
-------------------	---------

MOUNTING INFORMATION

Set screw	G ₂	M6x0.75
Hexagonal key size for set screw		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	FYTB 504 M
Bearing	YAR 204-2F

ASSOCIATED PRODUCTS

End cover	ECY 204
-----------	---------

More information

Product details	Engineering information	Tools
Flanged units to ISO standards	Principles of ball bearing units selection and application - Download catalogue (4.9 MB)	Bearing Select
Flanged units to North American standards	Principles of selecting mounted bearing solutions	Engineering Calculator
Flanged units to Japanese Industrial Standards (JIS)	Bearing failure and how to prevent it	Rolling bearings mounting and dismounting instructions
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		

Terms and conditions

By accessing and using this website / app owned and published by AB SKF (publ.) (556007-3495 · Gothenburg) ("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.