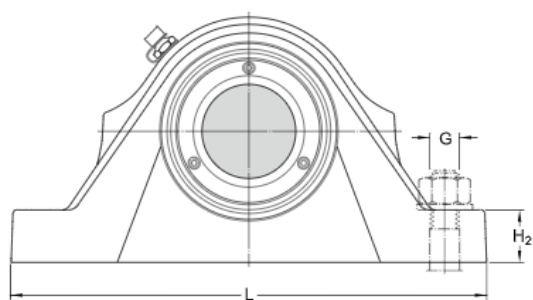
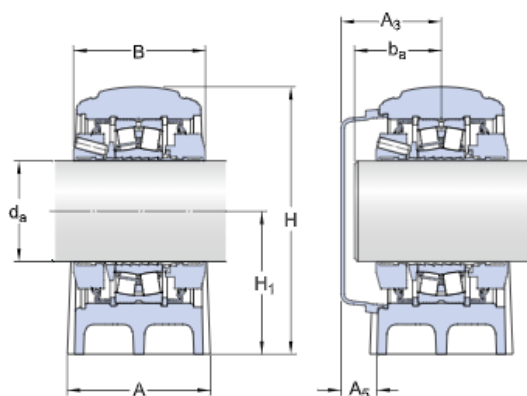


SYNT 50 F

Roller bearing plummer block units, for metric shafts

Technical specification



DIMENSIONS

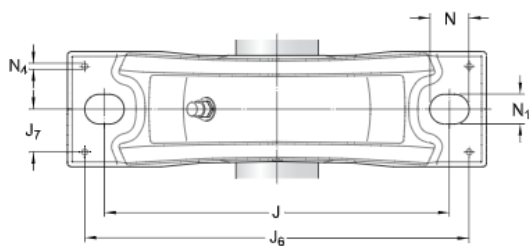
d_a	50 mm
A	70 mm
B	65 mm
H	131 mm
H_1	70 mm
H_2	28 mm
J	210 mm
L	255 mm
N	24 mm
N_1	18 mm

SHAFT END

A_3	62 mm
A_5	29.5 mm
b_a	min. 34 mm
b_a	max. 55 mm

DOWEL PINS

J_6	234 mm
-------	--------



J_7	26 mm
N_4	max. 8 mm

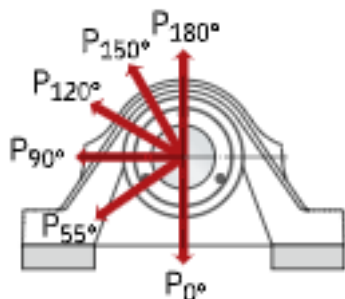
CALCULATION DATA

Basic dynamic load rating	C	104 kN
Basic static load rating	C_0	108 kN
Fatigue load limit	P_u	11.8 kN
Limiting speed		3 300 r/min
Calculation factor	e	0.24
Calculation factor	Y_1	2.8
Calculation factor	Y_2	4.2
Bearing mean diameter	d_m	70 mm
Incorporated bearing		22210 EKS

LOAD CARRYING ABILITY

BREAKING LOADS

P_{0°	190 kN
P_{55°	330 kN
P_{90°	200 kN
P_{120°	130 kN
P_{150°	115 kN
P_{180°	140 kN



AXIAL HOLDING POWER

P_a

15 kN

MASS

Mass bearing unit

5.8 kg

MOUNTING INFORMATION

Attachment bolt diameter

G

16 mm

Tightening torque for attachment bolts

200 N·m

Grub screws

M6

Tightening torque for grub screws

8 N·m

Grease quantity for relubrication

4 g

APPROPRIATE PRODUCTS

End cover

ECY 210

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.