



Image may differ from product. See technical specification for details.

SSNLD 520-617

Split plummer (pillow) block housing, SNL 2, 3, 5 and 6 series

SNL plummer (pillow) block housings are the most popular SKF bearing housings on the market, developed to be the first choice for design, quality and economy. They enable the incorporated bearings to achieve maximum service life with less need for maintenance. Different housing variants and seal designs are available, making the use of tailored

housings virtually unnecessary and enabling cost-effective bearing arrangements to be made.

- Easy to install
- Cost-effective bearing arrangement
- Reduce maintenance
- Minimize lubricant leakage

Overview

Dimensions

Diameter of bearing seat	180 mm
Width of bearing seat	70 mm
Centre height (pillow block)	112 mm

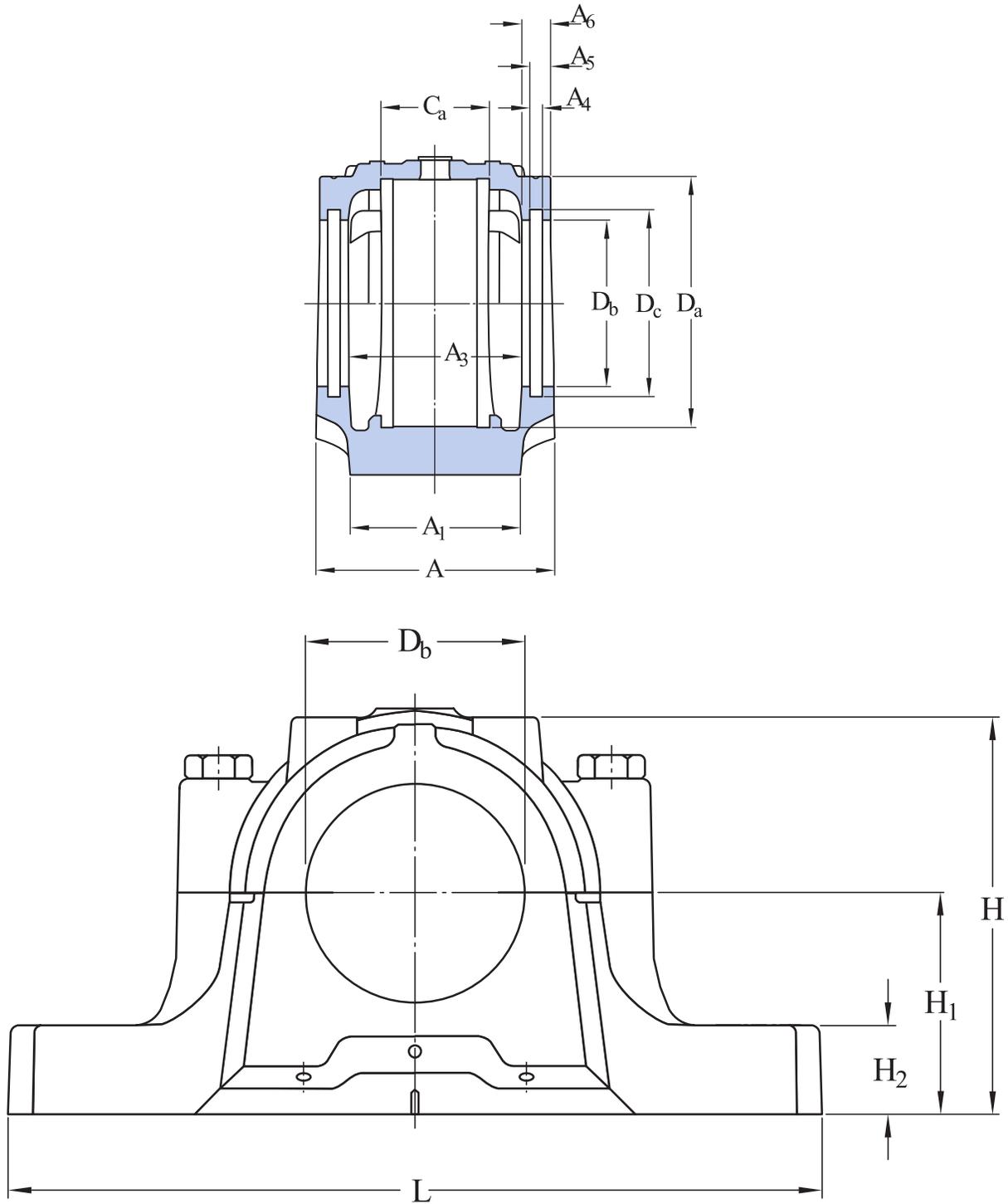
Properties

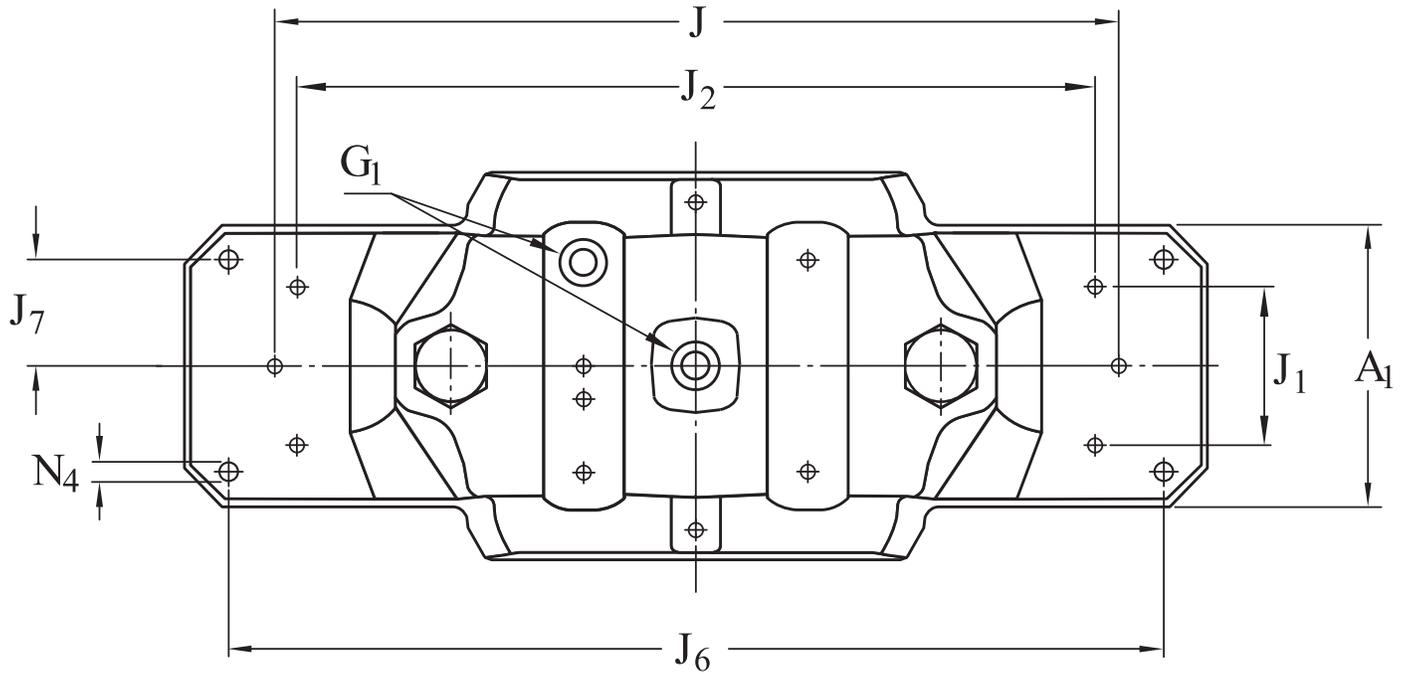
Housing type	Plummer/pillow block
Housing configuration	Two-piece
Mounting arrangement	Through shaft/Shaft end
Number of bolt holes for fasteners	0
Material, housing	Spheroidal graphite cast iron
Bearing housing seal type	Without
Housing lubrication feature/possibility	Grease

Logistics

Product net weight	18.7 kg
eClass code	23-05-17-01
UNSPSC code	31171519

Technical specification





Dimensions

BEARING SEAT

D_a	180 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
C_a	70 mm	Width of bearing seat
H_1	112 mm	Centre height of bearing seat

OUTSIDE DIMENSIONS

D_b	137.5 mm	Bore diameter
A	160 mm	Overall width
A_1	110 mm	Foot width
G_1	1/8-27 NPSF	Thread of relubrication holes
H	218 mm	Overall height
H_2	40 mm	Foot height
L	380 mm	Overall length
J	320 mm	Distance between attachment bolts

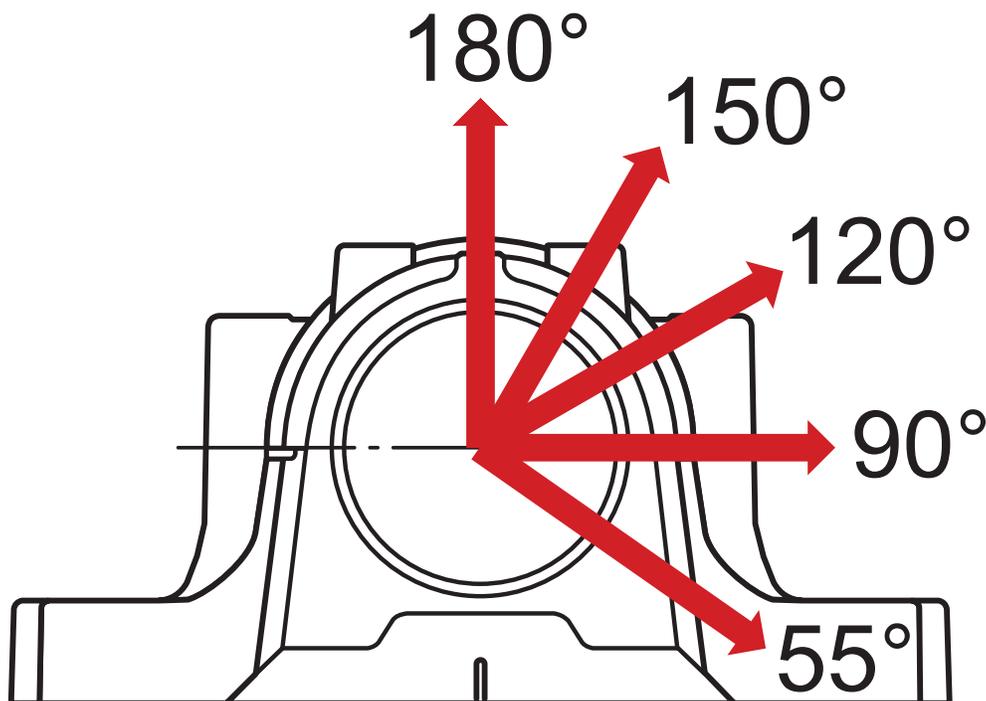
J ₁	66 mm	Axial distance between attachment bolts
J ₂	300 mm	Distance between attachment bolts

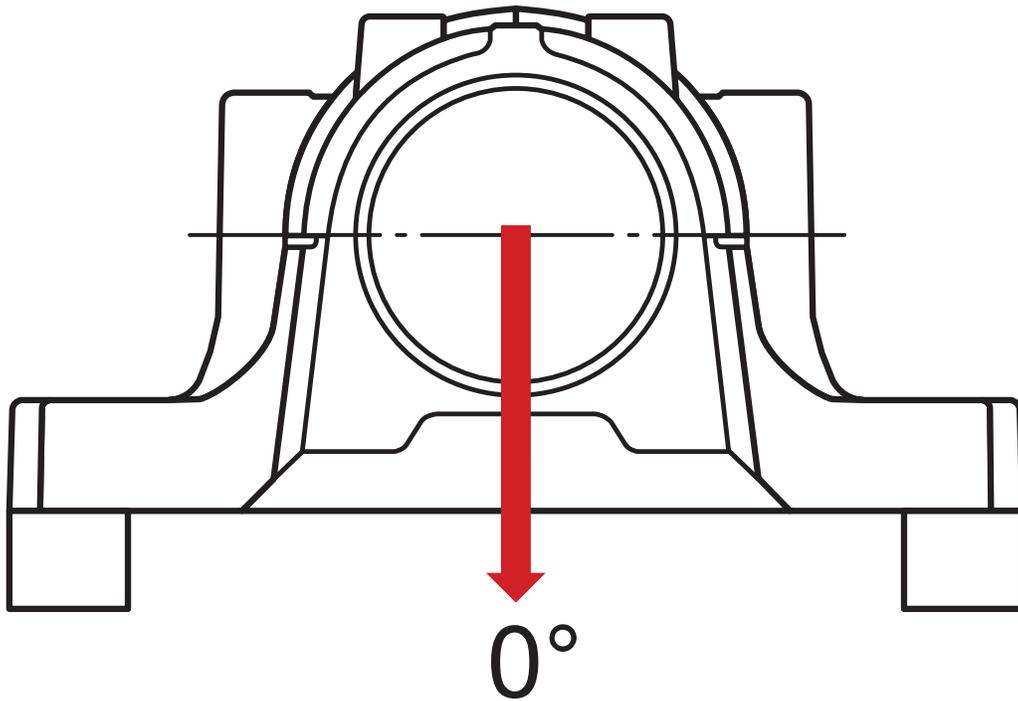
SEAL GROOVES

A ₃	131 mm	Inside width between seal grooves
A ₄	6 mm	Width of seal groove
A ₅	10 mm	Distance to seal groove back face
A ₆	14 mm	Width at bore diameter
D _c	147.5 mm	Diameter of seal groove

DOWEL PINS

J ₆	348 mm	Distance between dowel pins
J ₇	39 mm	Axial offset of dowel pins
N ₄	max. 8 mm	Diameter of dowel pins





Calculation data

BREAKING LOADS

P_{0°	846 kN	Breaking load at 0° load angle (if the housing is not supported over its entire base)
P_{55°	1 116 kN	Breaking load at 55° load angle
P_{90°	666 kN	Breaking load at 90° load angle
P_{120°	504 kN	Breaking load at 120° load angle
P_{150°	450 kN	Breaking load at 150° load angle
P_{180°	558 kN	Breaking load at 180° load angle
P_a	360 kN	Breaking load, axial

YIELD POINTS OF CAP BOLTS

Q_{120°	868 kN	Load to reach yield point at 120° load angle
Q_{150°	504 kN	Load to reach yield point at 150° load angle
Q_{180°	434 kN	Load to reach yield point at 180° load angle

Materials

Housing material	Spheroidal graphite cast iron
Corrosion protection	Paint - in accordance with ISO 12944-2, corrosivity category C2

Mounting information

Size of cap bolts	M20x100
Tightening torque for cap bolts	200 N·m
Initial grease fill, 20%	390 g
Initial grease fill, 40%	630 g

Included products

Grease fitting	AH 1/8-27 PTF
----------------	---------------

More Information

 Designs and variants	 Product details	 Tools
Standard housing design	Permissible misalignment	SKF Product select
Housing variants	Typical shaft-bearing combinations	SimPro Quick
Sealing solutions	Locating/non-locating support	Tool and Accessory Selector for sleeves and shafts
	Loads	LubeSelect for SKF greases
	Temperature limits	Drive-up Method Program
	Permissible speed	Heater selection tool
	Lubrication	Oil Injection Method Program
	Mounting	
	Condition monitoring	
	Associated products	
	Ordering information	
	Designation system	



Terms of use

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.

Third Party Services

When viewing YouTube content via the SKF website(s) (i.e. using [YouTube API Services](#)), you agree to be bound by the [YouTube Terms of Service](#).

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.