

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

SNL 518-615 V

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	160 mm
Width of bearing seat	65 mm
Centre height (pillow block)	100 mm
Centre distance between bolt holes	290 mm
Attachment bolt diameter	20 mm

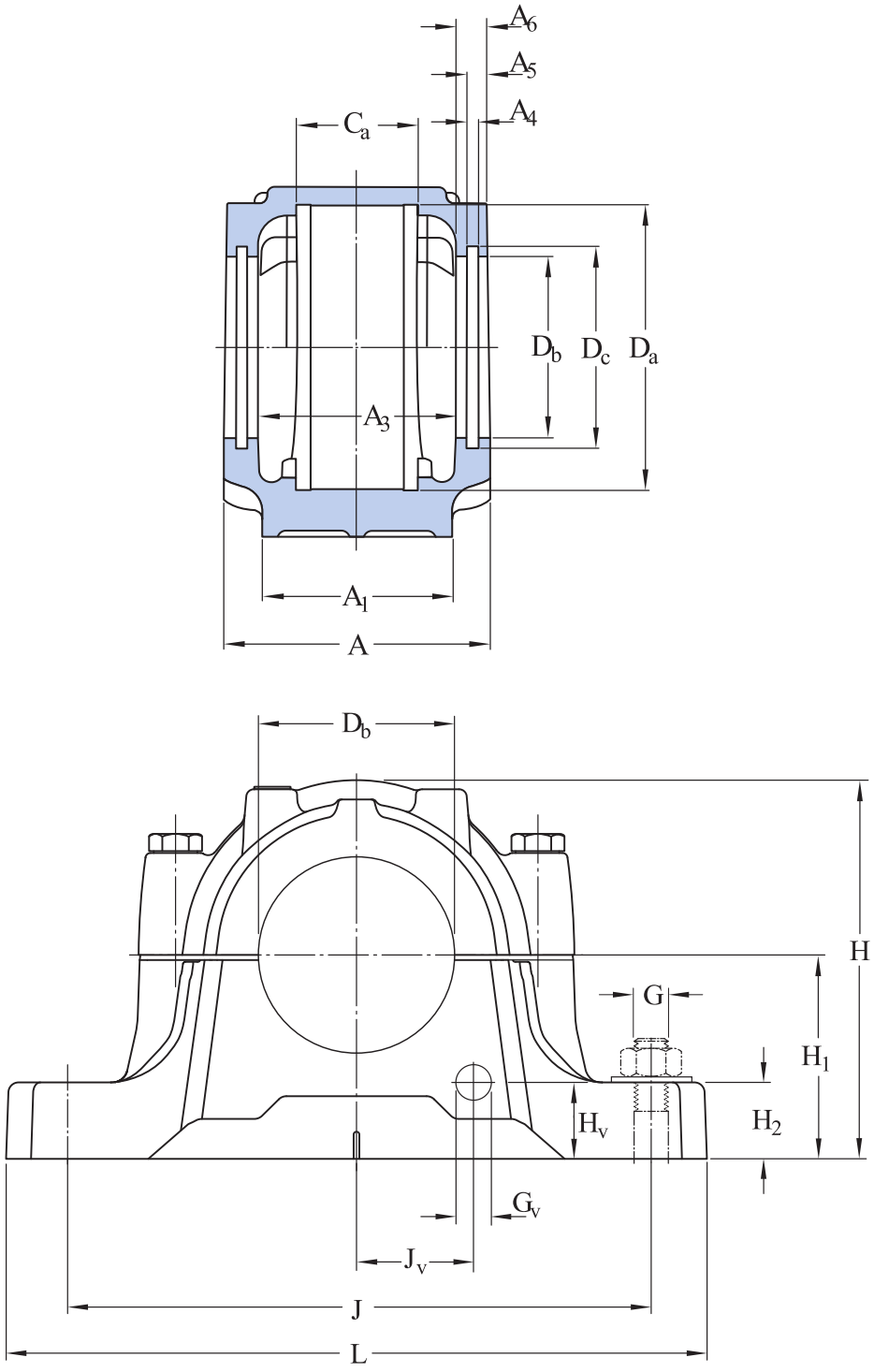
Properties

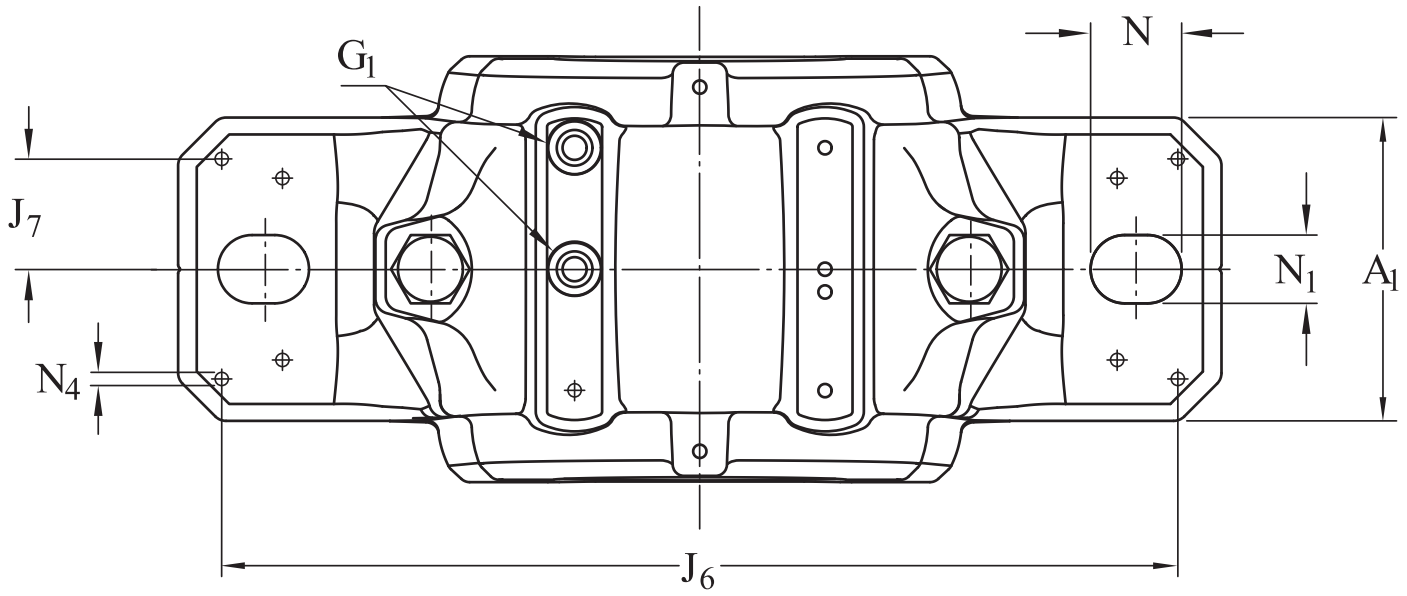
Housing type	Plummer/pillow block
Housing configuration	Two-piece
Mounting arrangement	Through shaft/Shaft end
Number of bolt holes for fasteners	2
Material, housing	Cast iron
Bearing housing seal type	Without
Housing lubrication feature/possibility	Grease

Logistics

Product net weight	12.9 kg
eClass code	23-05-17-01
UNSPSC code	31171519

Technical specification





Dimensions

BEARING SEAT

D_a	160 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
C_a	65 mm	Width of bearing seat
H_1	100 mm	Centre height of bearing seat

OUTSIDE DIMENSIONS

D_b	102.5 mm	Bore diameter
A	143 mm	Overall width
A_1	100 mm	Foot width
G_1	1/8-27 NPSF	Thread of relubrication holes
H	192 mm	Overall height
H_2	35 mm	Foot height
L	345 mm	Overall length
J	290 mm	Distance between attachment bolts

N	28 mm	Length of attachment bolt hole
N_1	22 mm	Width of attachment bolt hole

SEAL GROOVES

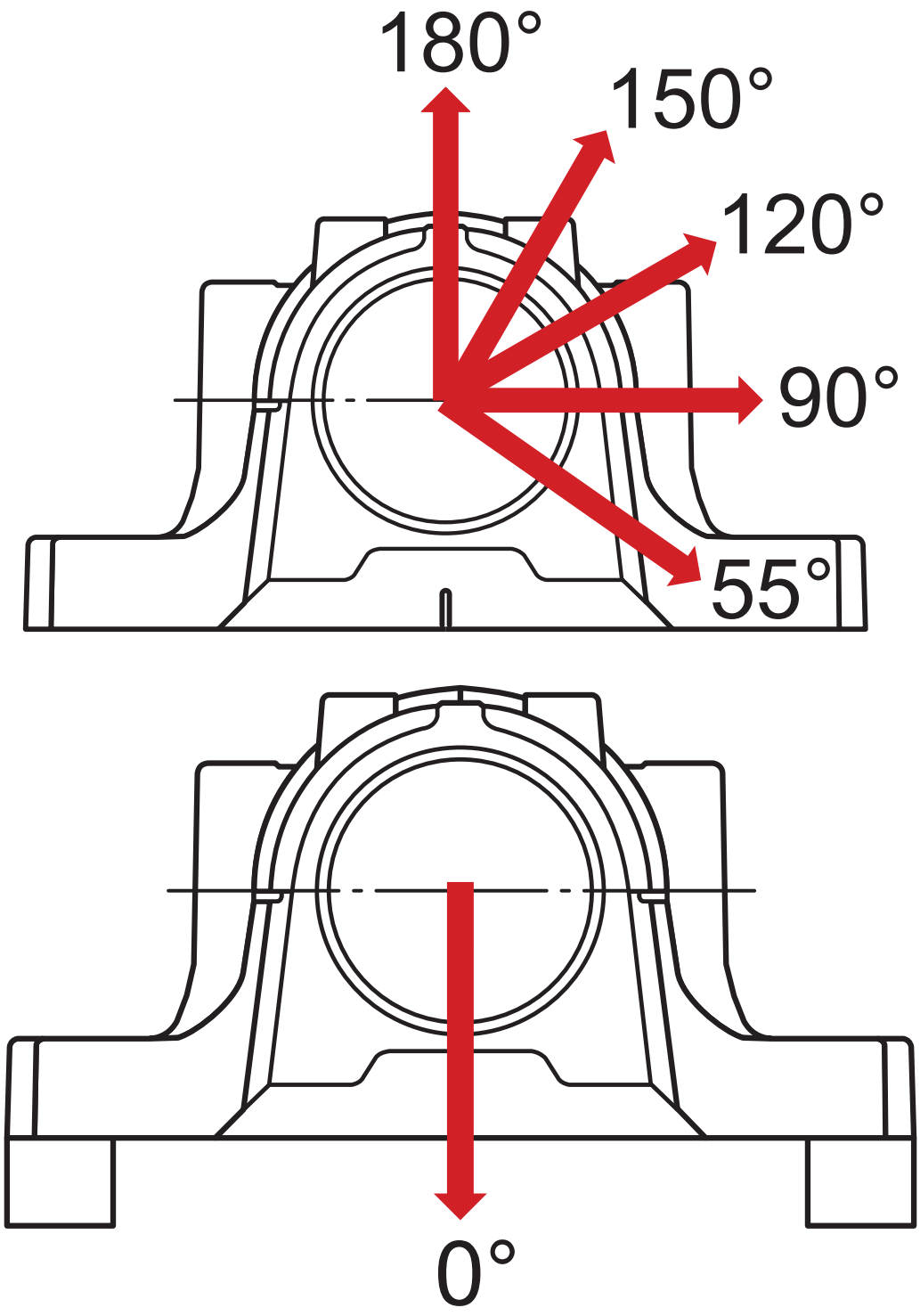
A_3	113 mm	Inside width between seal grooves
A_4	5 mm	Width of seal groove
A_5	9 mm	Distance to seal groove back face
A_6	13 mm	Width at bore diameter
D_c	111 mm	Diameter of seal groove

GREASE ESCAPE HOLE

J_V	55 mm	Position of grease escape hole
H_V	33 mm	Position of grease escape hole
G_V	G 1/2	Thread of grease escape hole

DOWEL PINS

J_6	317 mm	Distance between dowel pins
J_7	35 mm	Axial offset of dowel pins
N_4	max. 8 mm	Diameter of dowel pins



Calculation data

BREAKING LOADS

$P_{0°}$	430 kN	Breaking load at 0° load angle (if the housing is not supported over its entire base)

$P_{55°}$	550 kN	Breaking load at 55° load angle
$P_{90°}$	340 kN	Breaking load at 90° load angle
$P_{120°}$	250 kN	Breaking load at 120° load angle
$P_{150°}$	215 kN	Breaking load at 150° load angle
$P_{180°}$	275 kN	Breaking load at 180° load angle
P_a	180 kN	Breaking load, axial

YIELD POINTS OF CAP BOLTS

$Q_{120°}$	400 kN	Load to reach yield point at 120° load angle
$Q_{150°}$	230 kN	Load to reach yield point at 150° load angle
$Q_{180°}$	200 kN	Load to reach yield point at 180° load angle

Materials

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

Mounting information

Recommended diameter of attachment bolts	G	20 mm
Recommended tightening torque for attachment bolts		385 N·m
Size of cap bolts		M16x90
Tightening torque for cap bolts		150 N·m
Initial grease fill, 20%		260 g
Initial grease fill, 40%		430 g

Included products

Grease fitting	AH 1/8-27 PTF

More Information

Designs and variants

- Standard housing design
- Housing variants
- Sealing solutions

Product details

- Permissible misalignment
- Typical shaft-bearing combinations
- Locating/non-locating support
- Loads
- Temperature limits
- Permissible speed
- Lubrication
- Mounting
- Condition monitoring
- Associated products
- Ordering information
- Designation system

Tools

- SKF Product select
- SimPro Quick
- Tool and Accessory Selector for sleeves and shafts
- LubeSelect for SKF greases
- Drive-up Method Program
- Heater selection tool
- Oil Injection Method Program

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