

 SNL 522-619 - Bearing housings

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

SNL 522-619

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	200 mm
Width of bearing seat	80 mm
Centre height (pillow block)	125 mm
Centre distance between bolt holes	350 mm
Attachment bolt diameter	24 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	22.5 kg
eClass code	23-05-17-01
UNSPSC code	31171519

Technical specification

 Dimensions - SNL 522-619

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Dimensions

BEARING SEAT

D _a	200 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
C _a	80 mm	Width of bearing seat
H ₁	125 mm	Centre height of bearing seat

OUTSIDE DIMENSIONS

D _b	147.5 mm	Bore diameter
A	175 mm	Overall width
A ₁	120 mm	Foot width
G ₁	1/8-27 NPSF	Thread of relubrication holes
H	240 mm	Overall height
H ₂	45 mm	Foot height
L	410 mm	Overall length
J	350 mm	Distance between attachment bolts

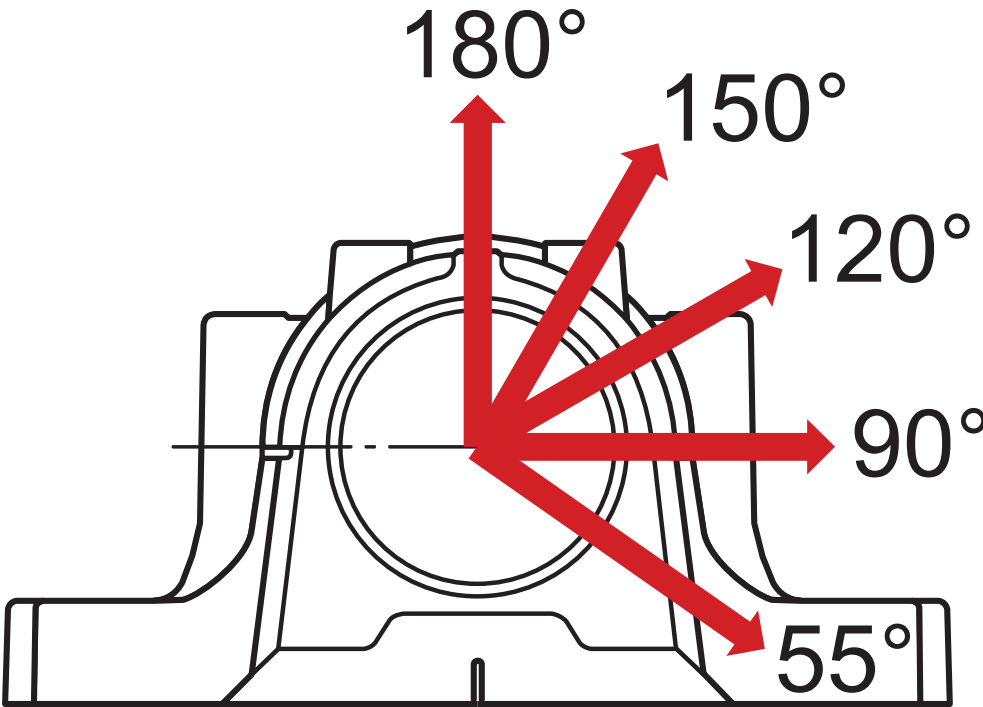
N	32 mm	Length of attachment bolt hole
N ₁	26 mm	Width of attachment bolt hole

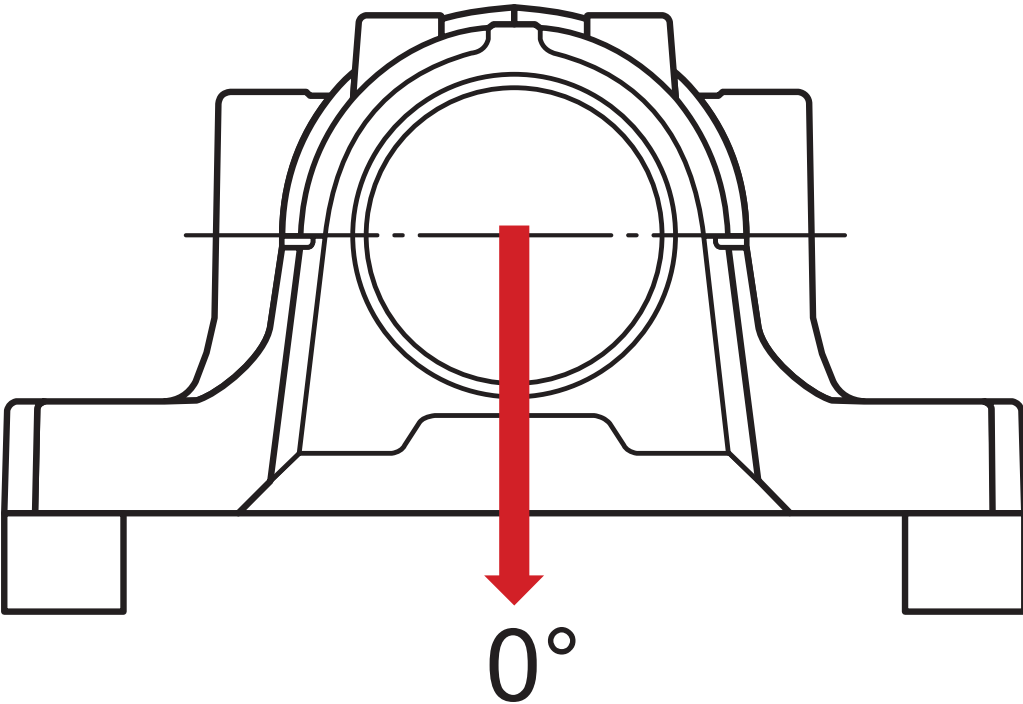
SEAL GROOVES

A ₃	143 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	157.5 mm	Diameter of seal groove

DOWEL PINS

J ₆	378 mm	Distance between dowel pins
J ₇	44 mm	Axial offset of dowel pins
N ₄	max. 8 mm	Diameter of dowel pins





Calculation data

BREAKING LOADS

$P_{0^{\circ}}$	600 kN	Breaking load at 0° load angle (if the housing is not supported over its entire base)
$P_{55^{\circ}}$	680 kN	Breaking load at 55° load angle
$P_{90^{\circ}}$	410 kN	Breaking load at 90° load angle
$P_{120^{\circ}}$	310 kN	Breaking load at 120° load angle
$P_{150^{\circ}}$	275 kN	Breaking load at 150° load angle
$P_{180^{\circ}}$	340 kN	Breaking load at 180° load angle
P_a	220 kN	Breaking load, axial

YIELD POINTS OF CAP BOLTS

$Q_{120^{\circ}}$	620 kN	Load to reach yield point at 120° load angle
$Q_{150^{\circ}}$	360 kN	Load to reach yield point at 150° load angle
$Q_{180^{\circ}}$	310 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	24 mm
Recommended tightening torque for attachment bolts		665 N·m
Size of cap bolts		M20x110
Tightening torque for cap bolts		200 N·m
Initial grease fill, 20%		530 g
Initial grease fill, 40%		850 g

Included products

Grease fitting	AH 1/8-27 PTF
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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	



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