

# FSNLD 522-619 Split plummer (pillow) block housing, SNL 2, 3, 5 and 6 series

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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

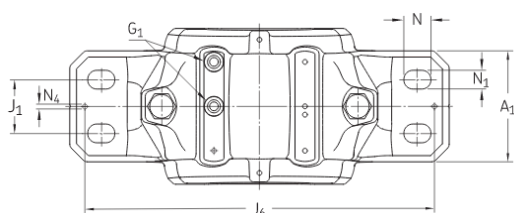
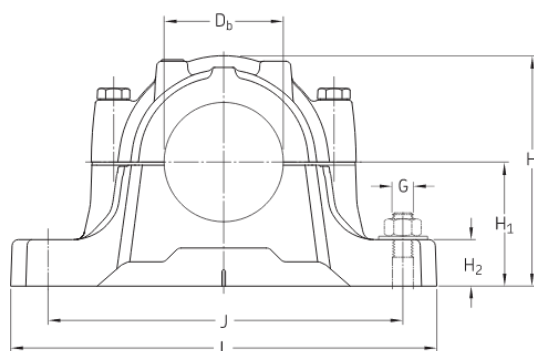
Diameter of bearing seat	200 mm
Width of bearing seat	80 mm
Centre height (pillow block)	125 mm
Centre distance between bolt holes	350 mm
Centre distance between bolt holes (axial direction)	70 mm
Attachment bolt diameter	16 mm

## Properties

Housing type	Plummer/pillow block
Housing configuration	Two-piece
Mounting arrangement	Through shaft/Shaft end
Number of bolt holes for fasteners	4
Material, housing	Spheroidal graphite cast iron
Bearing housing seal type	Without
Housing lubrication	Grease

feature/possibility

# Technical Specification



## 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
$J_1$	70 mm	Axial distance between attachment bolts
N	24 mm	Length of attachment bolt hole
$N_1$	18 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

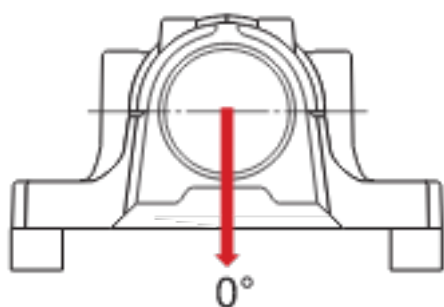
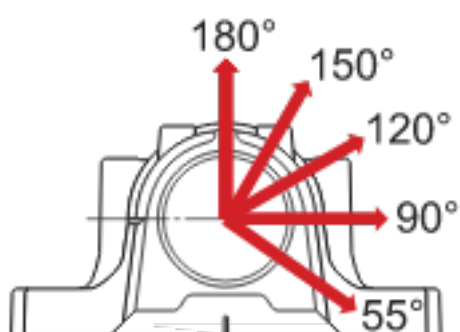
### Dowel pins

$J_6$	378 mm	Distance between dowel pins
$N_4$	max. 8 mm	Diameter of dowel pins

## Calculation data

### Breaking loads

$P_{0^\circ}$	1 080 kN	Breaking load at 0° load angle
$P_{55^\circ}$	1 224 kN	Breaking load at 55° load angle
$P_{90^\circ}$	738 kN	Breaking load at 90° load angle
$P_{120^\circ}$	558 kN	Breaking load at 120° load angle
$P_{150^\circ}$	495 kN	Breaking load at 150° load angle
$P_{180^\circ}$	612 kN	Breaking load at 180° load angle
$P_a$	396 kN	Breaking load, axial



### Yield points of cap bolts

$Q_{12^\circ}$	868 kN	Load to reach yield point at 120° load angle
$Q_{15^\circ}$	504 kN	Load to reach yield point at 150° load angle
$Q_{18^\circ}$	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

## Mass

Mass housing	23.4 kg
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## Mounting information

Recommended diameter of attachment bolts	G	16 mm
Recommended tightening torque for attachment bolts		200 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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