



# FSNL 516-613Split plummer (pillow)<sup>®</sup> block housing, SNL 2, 3, 5 and 6 series

## 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	5.512 in
Width of bearing seat	2.283 in
Centre height (pillow block)	3.74 in
Centre distance between bolt holes	10.236 in
Centre distance between bolt holes (axial direction)	1.969 in
Attachment bolt diameter	0.63 in

## Properties

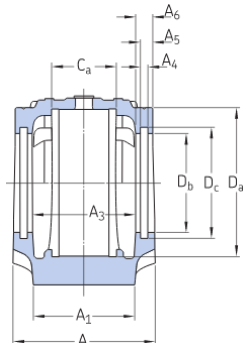
Housing type	Plummer/pillow block
Housing configuration	Two-piece
Mounting arrangement	Through shaft/Shaft end
Number of bolt holes for fasteners	4
Material, housing	Cast iron
Bearing housing seal type	Without
Housing lubrication	Grease

feature/possibility

# Technical Specification

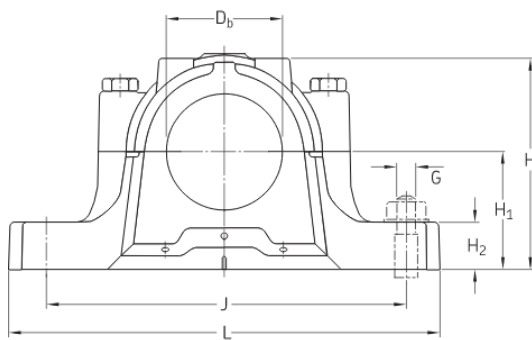
## Dimensions

### Bearing seat

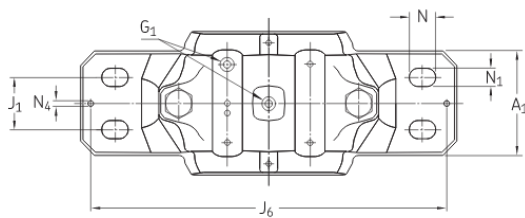


$D_i$	5.512 in	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
$C_i$	2.283 in	Width of bearing seat
$H_i$	3.74 in	Centre height of bearing seat

### Outside dimensions



$D_b$	3.642 in	Bore diameter
$A$	4.724 in	Overall width
$A_1$	3.543 in	Foot width
	1/8-27 NPSF	Thread of relubrication holes
$H$	6.969 in	Overall height
$H_2$	1.26 in	Foot height
$L$	12.402 in	Overall length
$J$	10.236 in	Distance between attachment bolts
$J_1$	1.969 in	Axial distance between attachment bolts
$N$	0.945 in	Length of attachment bolt hole
$N_1$	0.709 in	Width of attachment bolt hole



### Seal grooves

$A_3$	3.661 in	Inside width between seal grooves
$A_4$	0.197 in	Width of seal groove
$A_5$	0.354 in	Distance to seal groove back face
$A_6$	0.512 in	Width at bore diameter
$D_c$	3.976 in	Diameter of seal groove

### Dowel pins

$J_6$ 11.339 in	Distance between dowel pins
$N_d$ max. 0.315 in	Diameter of dowel pins

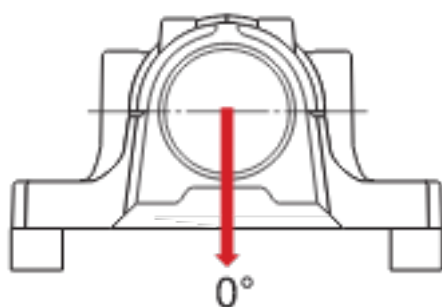
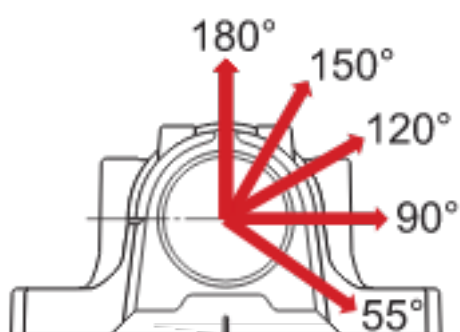
## Calculation data

### Breaking loads

$P_0$ 78 683 lbf	Breaking load at 0° load angle
$P_{55}$ 96 668 lbf	Breaking load at 55° load angle
$P_9$ 58 450 lbf	Breaking load at 90° load angle
$P_{120}$ 42 714 lbf	Breaking load at 120° load angle
$P_{150}$ 39 342 lbf	Breaking load at 150° load angle
$P_{180}$ 48 334 lbf	Breaking load at 180° load angle
$P_a$ 31 473 lbf	Breaking load, axial

### Yield points of cap bolts

$Q$ 49 458 lbf	Load to reach yield point at 120° load angle
$Q$ 28 101 lbf	Load to reach yield point at 150° load angle
$Q$ 24 729 lbf	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

## Mass

Mass housing	20.944 lb
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## Mounting information

Recommended diameter of attachment bolts	G	0.63 in
Recommended tightening torque for attachment bolts		1 770.149 lbf-in
Size of cap bolts		M12x70
Tightening torque for cap bolts		708.06 lbf-in
Initial grease fill, 20%		5.997 oz
Initial grease fill, 40%		9.877 oz

## Included products

Grease fitting	AH 1/8-27 PTF
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