

# SNL 520-617 VU

## 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

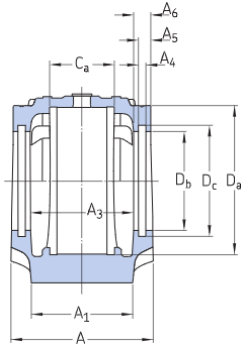
### Dimensions

Attachment bolt diameter	0.945 in
Centre distance between bolt holes	12.598 in
Centre height (pillow block)	4.409 in
Seating diameter	7.087 in
Width of bearing seat	2.756 in

## Properties

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

# Technical Specification



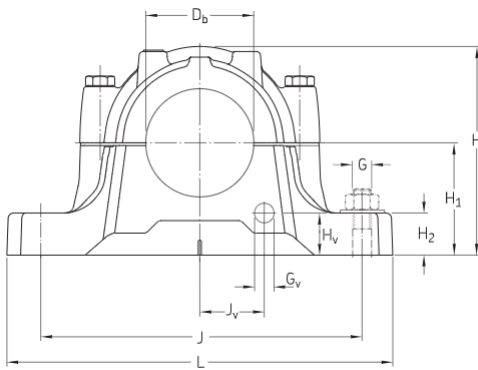
## Dimensions

### Bearing seat

$D_a$	7.087 in	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
$C_a$	2.756 in	Width of bearing seat
$H_1$	4.409 in	Centre height of bearing seat

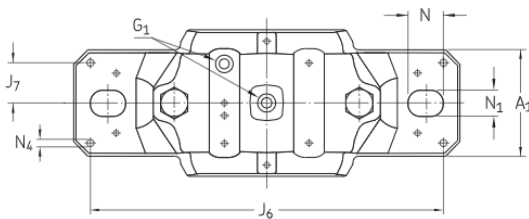
### Outside dimensions

$D_b$	5.413 in	Bore diameter
A	6.299 in	Overall width
$A_1$	4.331 in	Foot width
$G_1$	1/4-18 NPSF	Thread of relubrication holes
H	8.583 in	Overall height
$H_2$	1.575 in	Foot height
L	14.961 in	Overall length
J	12.598 in	Distance between attachment bolts
N	1.26 in	Length of attachment bolt hole
$N_1$	1.024 in	Width of attachment bolt hole



### Seal grooves

$A_3$	5.157 in	Inside width between seal grooves
$A_4$	0.236 in	Width of seal groove
$A_5$	0.394 in	Distance to seal groove back face
$A_6$	0.551 in	Width at bore diameter
$D_c$	5.807 in	Diameter of seal groove



### Grease escape hole

$J_v$	2.52 in	Position of grease escape hole
$H_1$	1.378 in	Distance housing bottom to oil inlet, housing

base

$G_1$ 3/8-18 NPSF	Thread of grease escape hole
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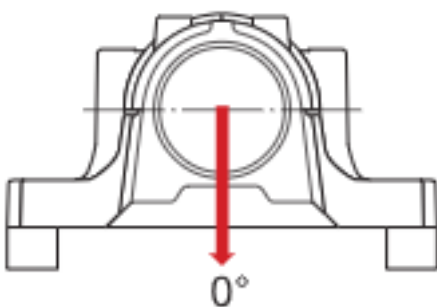
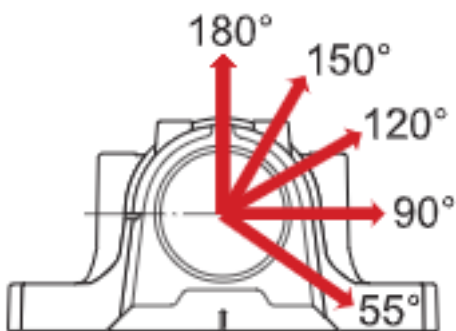
#### Dowel pins

$J_6$ 13.701 in	Distance between dowel pins
$J_7$ 1.535 in	Axial offset of dowel pins
$N_4$ max. 0.315 in	Diameter of dowel pins

#### Calculation data

##### Breaking loads

$P_0$ 105 660 lbf	Breaking load at 0° load angle
$P_5$ 139 382 lbf	Breaking load at 55° load angle
$P_9$ 83 179 lbf	Breaking load at 90° load angle
$P_{12}$ 62 947 lbf	Breaking load at 120° load angle
$P_{15}$ 56 202 lbf	Breaking load at 150° load angle
$P_{18}$ 69 691 lbf	Breaking load at 180° load angle
$P_a$ 44 962 lbf	Breaking load, axial



##### Yield points of cap bolts

$Q_{12}$ 139 382 lbf	Load to reach yield point at 120° load angle
$Q_{15}$ 80 931 lbf	Load to reach yield point at 150° load angle
$Q_{18}$ 69 691 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	38.801 lb
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## Mounting information

Recommended diameter of attachment bolts	G	0.945 in
Recommended tightening torque for attachment bolts		5 885.746 lbf-in
Size of cap bolts		M20x100
Tightening torque for cap bolts		1 770.149 lbf-in
Initial grease fill, 20%		13.76 oz
Initial grease fill, 40%		22.223 oz

## Included products

Grease fitting	AH 1/8-27 PTF
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