

# SNL 517



## 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	150 mm
Width of bearing seat	61 mm
Centre height (pillow block)	95 mm
Centre distance between bolt holes	260 mm
Attachment bolt diameter	20 mm

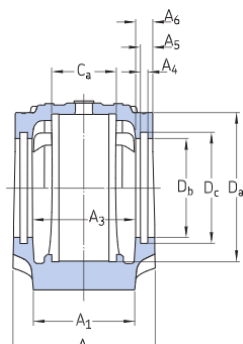
## Properties

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

# Technical Specification

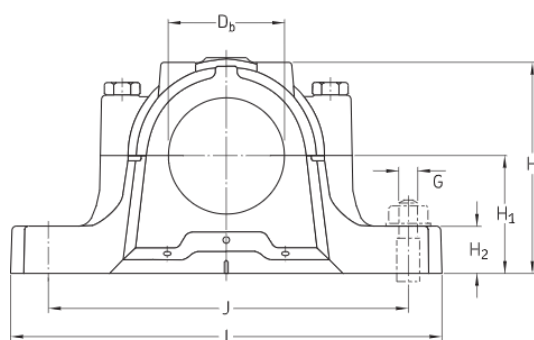
## Dimensions

### Bearing seat

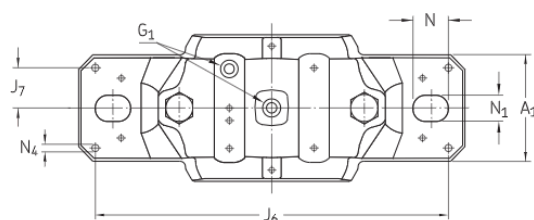


$D_a$	150 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
$C_a$	61 mm	Width of bearing seat
$H_1$	95 mm	Centre height of bearing seat

### Outside dimensions



$D_b$	97.5 mm	Bore diameter
A	125 mm	Overall width
$A_1$	90 mm	Foot width
$G_1$	1/8-27 NPSF	Thread of relubrication holes
H	183 mm	Overall height
$H_2$	32 mm	Foot height
L	320 mm	Overall length
J	260 mm	Distance between attachment bolts
N	28 mm	Length of attachment bolt hole
$N_1$	22 mm	Width of attachment bolt hole



### Seal grooves

$A_3$	98 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
$D_c$	106 mm	Diameter of seal groove

### Dowel pins

$J_6$	292 mm	Distance between dowel pins
$J_7$	33 mm	Axial offset of dowel pins

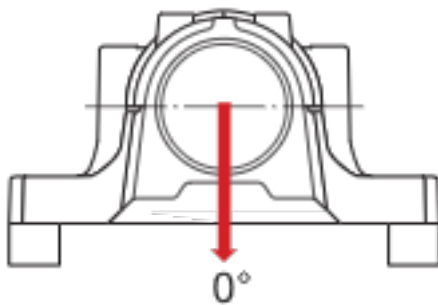
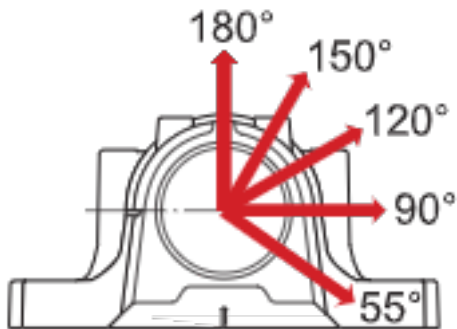
$N_4$  max. 8 mm

Diameter of dowel pins

## Calculation data

### Breaking loads

$P_{0^\circ}$ 370 kN	Breaking load at $0^\circ$ load angle
$P_{55^\circ}$ 480 kN	Breaking load at $55^\circ$ load angle
$P_{90^\circ}$ 290 kN	Breaking load at $90^\circ$ load angle
$P_{120^\circ}$ 205 kN	Breaking load at $120^\circ$ load angle
$P_{150^\circ}$ 190 kN	Breaking load at $150^\circ$ load angle
$P_{180^\circ}$ 240 kN	Breaking load at $180^\circ$ load angle
$P_a$ 155 kN	Breaking load, axial



### Yield points of cap bolts

$Q_{120^\circ}$ 220 kN	Load to reach yield point at $120^\circ$ load angle
$Q_{150^\circ}$ 125 kN	Load to reach yield point at $150^\circ$ load angle
$Q_{180^\circ}$ 110 kN	Load to reach yield point at $180^\circ$ load angle

## Materials

Housing material

Cast iron

Corrosion protection

Paint - in accordance with ISO 12944-2, corrosivity category C2

## Mass

Mass housing

10 kg

## Mounting information

Recommended diameter of attachment bolts	G	20 mm
Recommended tightening torque for attachment bolts		385 N·m
Size of cap bolts		M12x80
Tightening torque for cap bolts		80 N·m
Initial grease fill, 20%		200 g
Initial grease fill, 40%		330 g

## Included products

Grease fitting	AH 1/8-27 PTF
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