

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

## FSNLD 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
Centre distance between bolt holes (axial direction)	50 mm
Attachment bolt diameter	16 mm

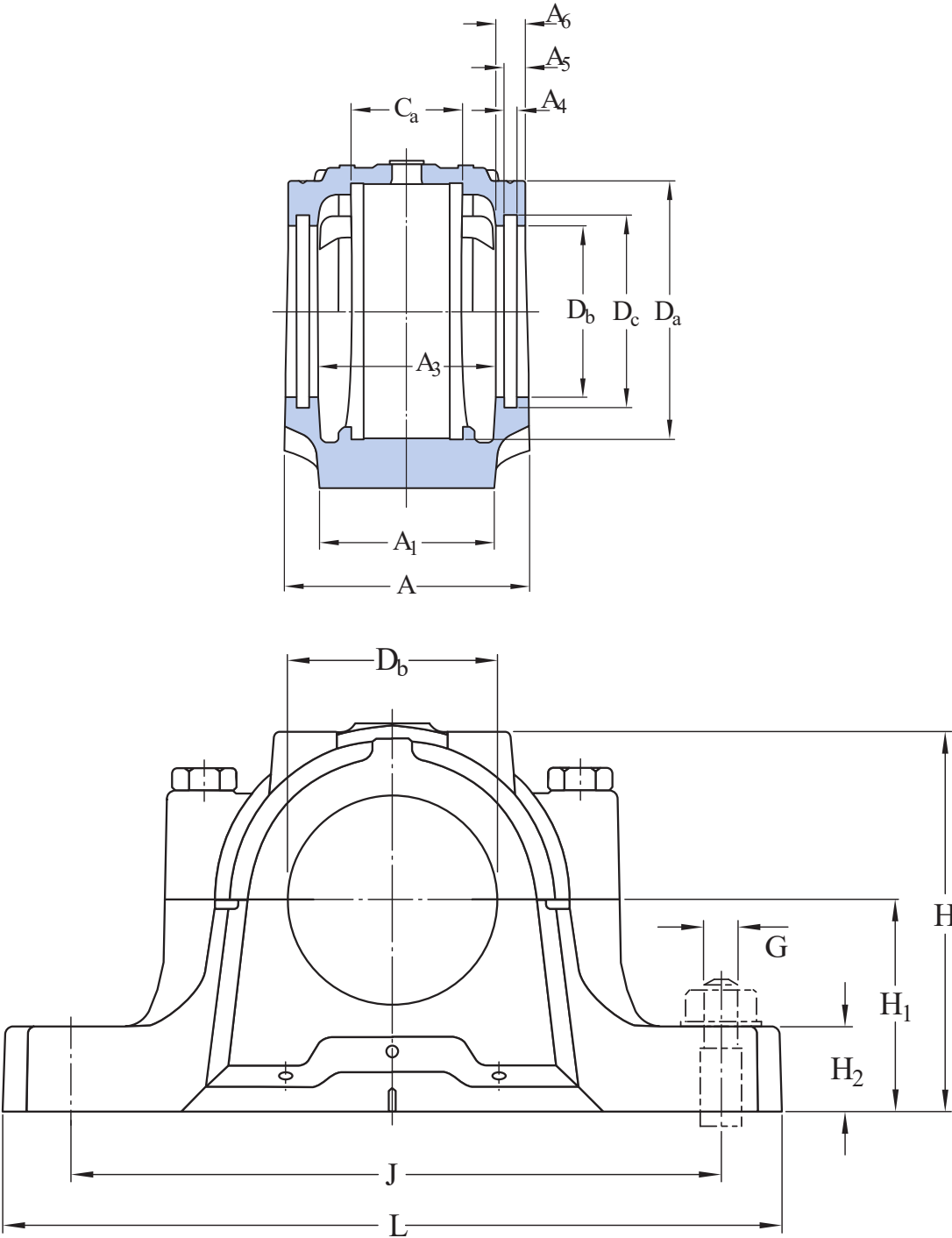
## Properties

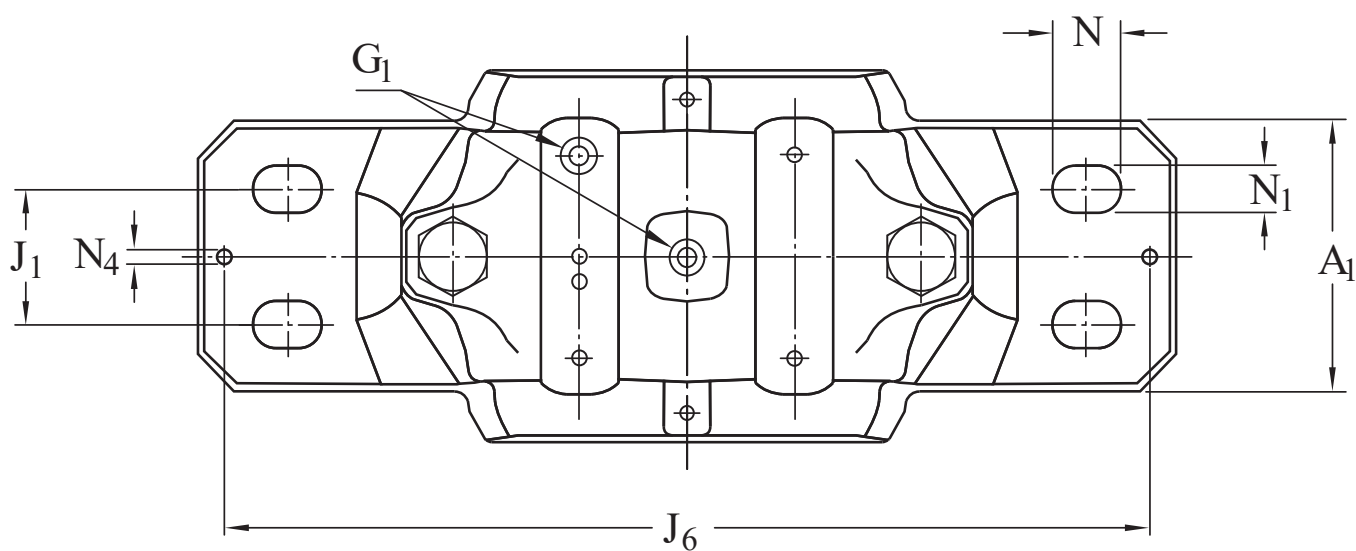
Housing type	Plummer/pillow block
Housing configuration	Two-piece
Mounting arrangement	Through shaft/Shaft end
Number of bolt holes for fasteners	4
Material, housing	Spheroidal graphite cast iron
Bearing housing seal type	Without
Housing lubrication feature/possibility	Grease

## Logistics

Product net weight	9.83 kg
eClass code	23-05-17-01
UNSPSC code	31171519

Technical specification





## Dimensions

### BEARING SEAT

D <sub>a</sub>	150 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
C <sub>a</sub>	61 mm	Width of bearing seat
H <sub>1</sub>	95 mm	Centre height of bearing seat

### OUTSIDE DIMENSIONS

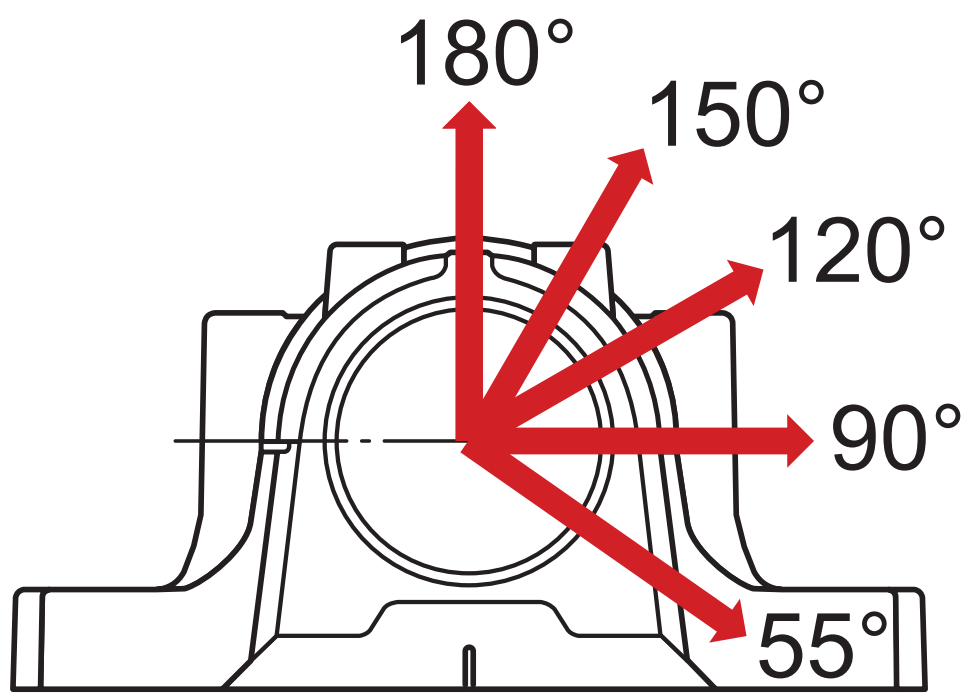
D <sub>b</sub>	97.5 mm	Bore diameter
A	125 mm	Overall width
A <sub>1</sub>	90 mm	Foot width
G <sub>1</sub>	1/8-27 NPSF	Thread of relubrication holes
H	182 mm	Overall height
H <sub>2</sub>	32 mm	Foot height
L	320 mm	Overall length
J	260 mm	Distance between attachment bolts
J <sub>1</sub>	50 mm	Axial distance between attachment bolts
N	24 mm	Length of attachment bolt hole
N <sub>1</sub>	18 mm	Width of attachment bolt hole

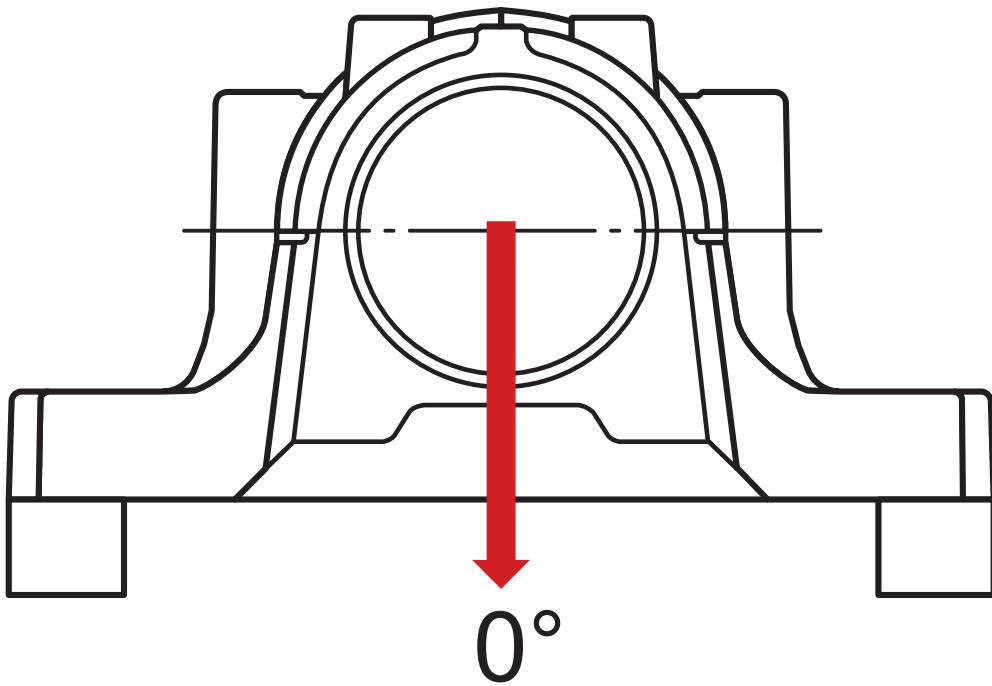
SEAL GROOVES

A <sub>3</sub>	98 mm	Inside width between seal grooves
A <sub>4</sub>	5 mm	Width of seal groove
A <sub>5</sub>	9 mm	Distance to seal groove back face
A <sub>6</sub>	13 mm	Width at bore diameter
D <sub>c</sub>	106 mm	Diameter of seal groove

DOWEL PINS

J <sub>6</sub>	292 mm	Distance between dowel pins
N <sub>4</sub>	max. 8 mm	Diameter of dowel pins





## Calculation data

### BREAKING LOADS

$P_{0^\circ}$	666 kN	Breaking load at $0^\circ$ load angle (if the housing is not supported over its entire base)
$P_{55^\circ}$	864 kN	Breaking load at $55^\circ$ load angle
$P_{90^\circ}$	522 kN	Breaking load at $90^\circ$ load angle
$P_{120^\circ}$	369 kN	Breaking load at $120^\circ$ load angle
$P_{150^\circ}$	342 kN	Breaking load at $150^\circ$ load angle
$P_{180^\circ}$	432 kN	Breaking load at $180^\circ$ load angle
$P_a$	279 kN	Breaking load, axial

### YIELD POINTS OF CAP BOLTS

$Q_{120^\circ}$	308 kN	Load to reach yield point at $120^\circ$ load angle
$Q_{150^\circ}$	175 kN	Load to reach yield point at $150^\circ$ load angle
$Q_{180^\circ}$	154 kN	Load to reach yield point at $180^\circ$ load angle

## Materials

Housing material	Spheroidal graphite cast iron
Corrosion protection	Paint - in accordance with ISO 12944-2, corrosivity category C2

## Mounting information




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

<div> <b>Designs and variants</b></div> <div><a href="#">Standard housing design</a></div> <div><a href="#">Housing variants</a></div> <div><a href="#">Sealing solutions</a></div>	<div> <b>Product details</b></div> <div><a href="#">Permissible misalignment</a></div> <div><a href="#">Typical shaft-bearing combinations</a></div> <div><a href="#">Locating/non-locating support</a></div> <div><a href="#">Loads</a></div> <div><a href="#">Temperature limits</a></div> <div><a href="#">Permissible speed</a></div> <div><a href="#">Lubrication</a></div> <div><a href="#">Mounting</a></div> <div><a href="#">Condition monitoring</a></div> <div><a href="#">Associated products</a></div> <div><a href="#">Ordering information</a></div> <div><a href="#">Designation system</a></div>	<div> <b>Tools</b></div> <div><a href="#">SKF Product select</a></div> <div><a href="#">SimPro Quick</a></div> <div><a href="#">Tool and Accessory Selector for sleeves and shafts</a></div> <div><a href="#">LubeSelect for SKF greases</a></div> <div><a href="#">Drive-up Method Program</a></div> <div><a href="#">Heater selection tool</a></div> <div><a href="#">Oil Injection Method Program</a></div>
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