

# SSNLD 530 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

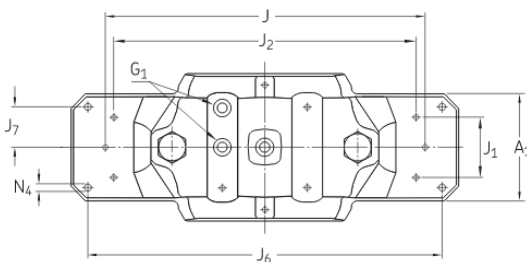
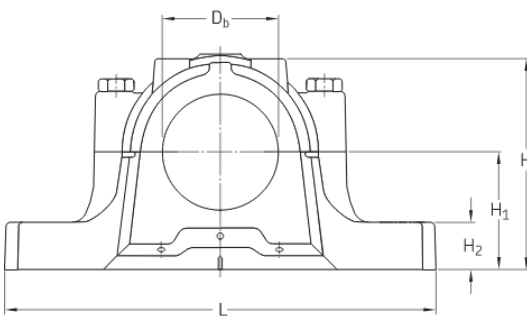
## Dimensions

Diameter of bearing seat	270 mm
Width of bearing seat	106 mm
Centre height (pillow block)	160 mm

## Properties

Housing type	Plummer/pillow block
Housing configuration	Two-piece
Mounting arrangement	Through shaft/Shaft end
Number of bolt holes for fasteners	0
Material, housing	Spheroidal graphite cast iron
Bearing housing seal type	Without
Housing lubrication feature/possibility	Grease

# Technical Specification



## Dimensions

### Bearing seat

$D_a$	270 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
$C_a$	106 mm	Width of bearing seat
$H_1$	160 mm	Centre height of bearing seat

### Outside dimensions

$D_b$	192.5 mm	Bore diameter
A	220 mm	Overall width
$A_1$	160 mm	Foot width
$G_1$	1/8-27 NPSF	Thread of relubrication holes
H	323 mm	Overall height
$H_2$	60 mm	Foot height
L	530 mm	Overall length
J	450 mm	Distance between attachment bolts
$J_1$	100 mm	Axial distance between attachment bolts
$J_2$	430 mm	Distance between attachment bolts

### Seal grooves

$A_3$	189 mm	Inside width between seal grooves
$A_4$	6 mm	Width of seal groove
$A_5$	11 mm	Distance to seal groove back face
$A_6$	15 mm	Width at bore diameter
$D_c$	202.5 mm	Diameter of seal groove

### Dowel pins

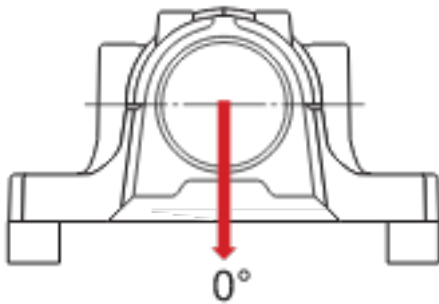
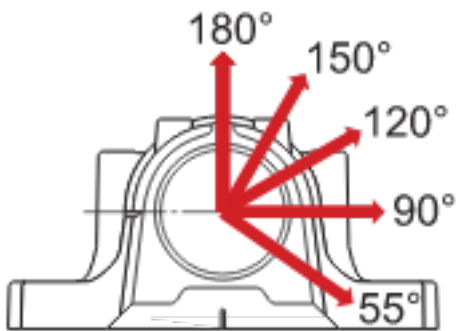
$J_6$	486 mm	Distance between dowel pins
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$J_7$	58 mm	Axial offset of dowel pins
$N_4$	max. 12 mm	Diameter of dowel pins

## Calculation data

### Breaking loads

$P_{0^\circ}$	1 980 kN	Breaking load at 0° load angle
$P_{55^\circ}$	2 160 kN	Breaking load at 55° load angle
$P_{90^\circ}$	1 314 kN	Breaking load at 90° load angle
$P_{120^\circ}$	972 kN	Breaking load at 120° load angle
$P_{150^\circ}$	864 kN	Breaking load at 150° load angle
$P_{180^\circ}$	1 080 kN	Breaking load at 180° load angle
$P_a$	702 kN	Breaking load, axial



### Yield points of cap bolts

$Q_{12^\circ}$	1 260 kN	Load to reach yield point at 120° load angle
$Q_{15^\circ}$	728 kN	Load to reach yield point at 150° load angle
$Q_{18^\circ}$	630 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	49 kg
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## Mounting information

Size of cap bolts	M24x130
Tightening torque for cap bolts	350 N·m
Size of eye bolt	M12
Initial grease fill, 20%	1 100 g
Initial grease fill, 40%	1 700 g

## Included products

Grease fitting	AH 1/8-27 PTF
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