



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

## SNL 3134

### Split plummer (pillow) block housing, SNL 30, 31 and 32 series

SNL plummer (pillow) block housings in the 30, 31 and 32 series are robust and suitable for tough operating conditions. 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	280 mm
Width of bearing seat	108 mm
Centre height (pillow block)	170 mm
Centre distance between bolt holes	430 mm
Centre distance between bolt holes (axial direction)	100 mm
Attachment bolt diameter	24 mm

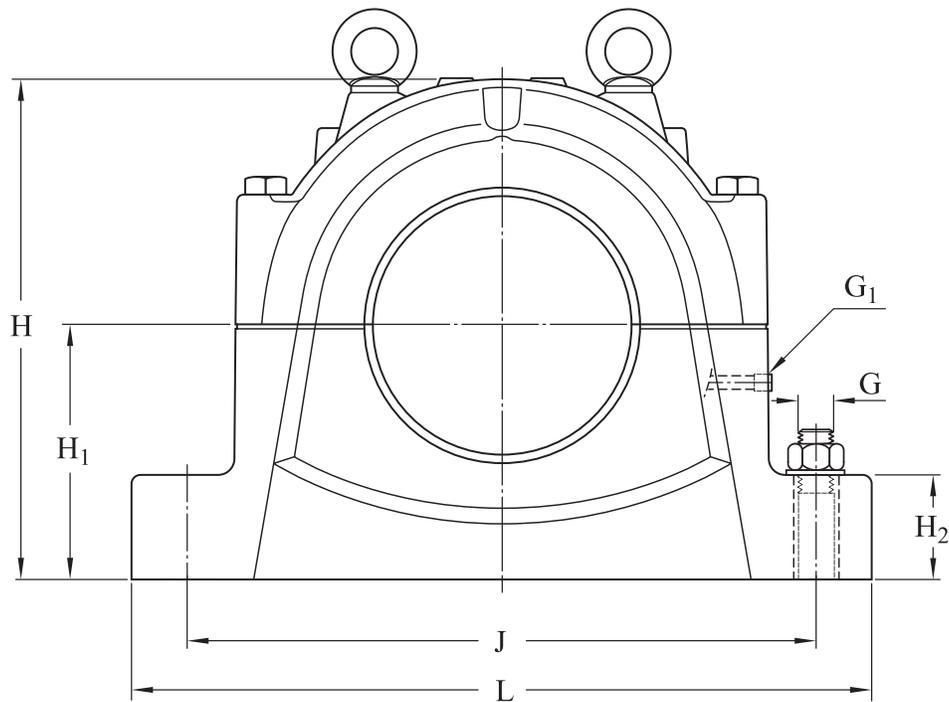
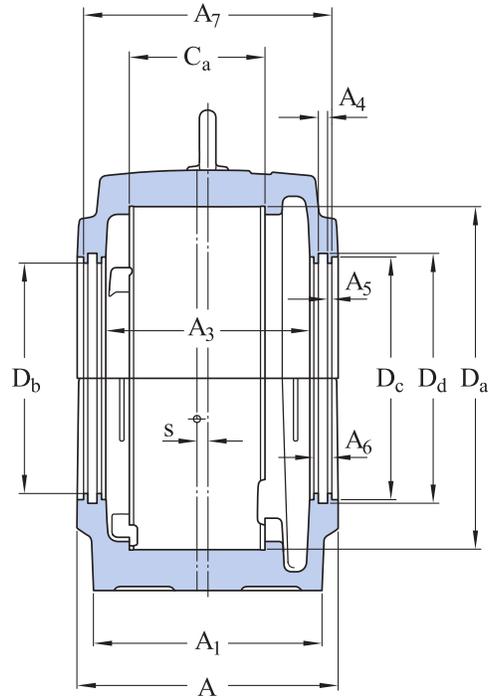
### Properties

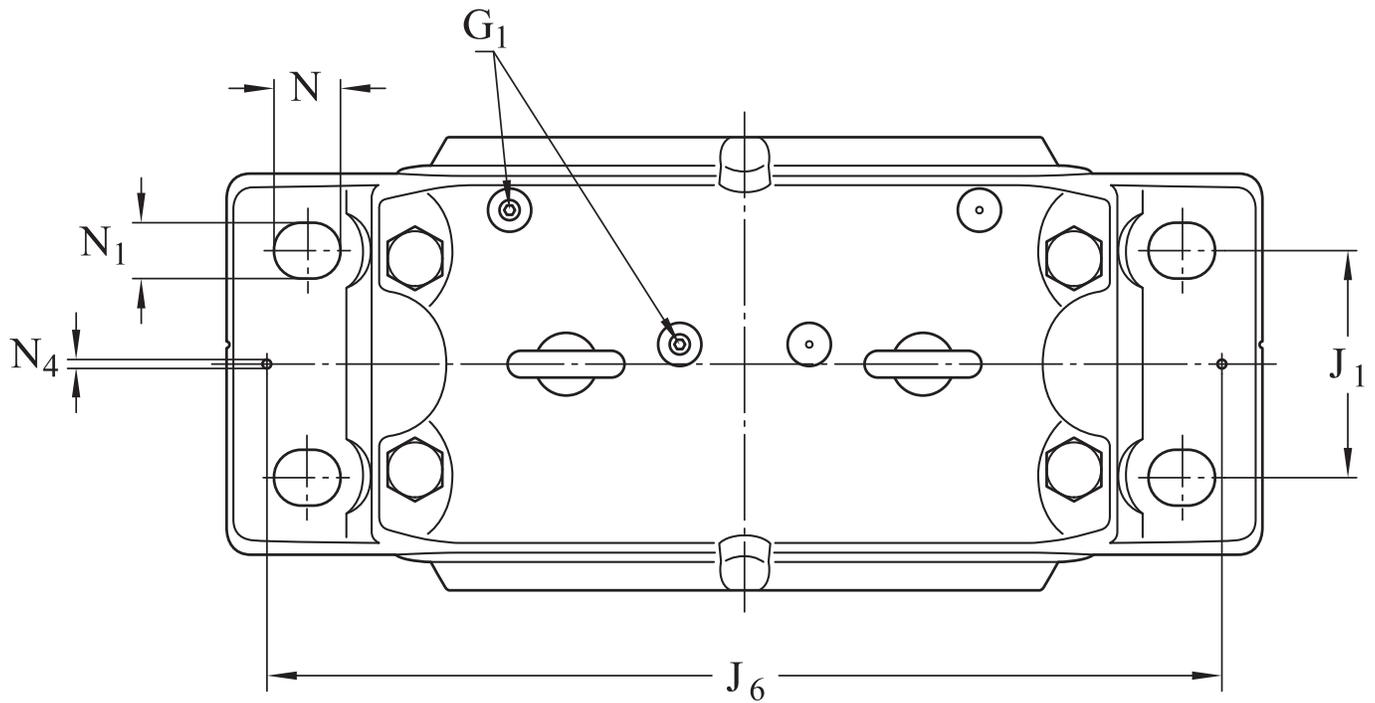
Housing type	Plummer/pillow block
Housing configuration	Two-piece
Mounting arrangement	Through shaft/Shaft end
Number of bolt holes for fasteners	4
Material, housing	Cast iron
Bearing housing seal type	Without
Housing lubrication feature/possibility	Grease

### Logistics

Product net weight	69.5 kg
eClass code	23-05-17-01
UNSPSC code	31171519

# Technical specification





## Dimensions

### BEARING SEAT

$D_a$	280 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
$C_a$	108 mm	Width of bearing seat
$H_1$	170 mm	Centre height of bearing seat

### OUTSIDE DIMENSIONS

$D_b$	171.2 mm	Bore diameter
A	230 mm	Overall width
$A_1$	180 mm	Foot width
$G_1$	1/8-27 NPSF	Thread of relubrication holes
H	333 mm	Overall height
$H_2$	70 mm	Foot height
L	510 mm	Overall length
J	430 mm	Distance between attachment bolts

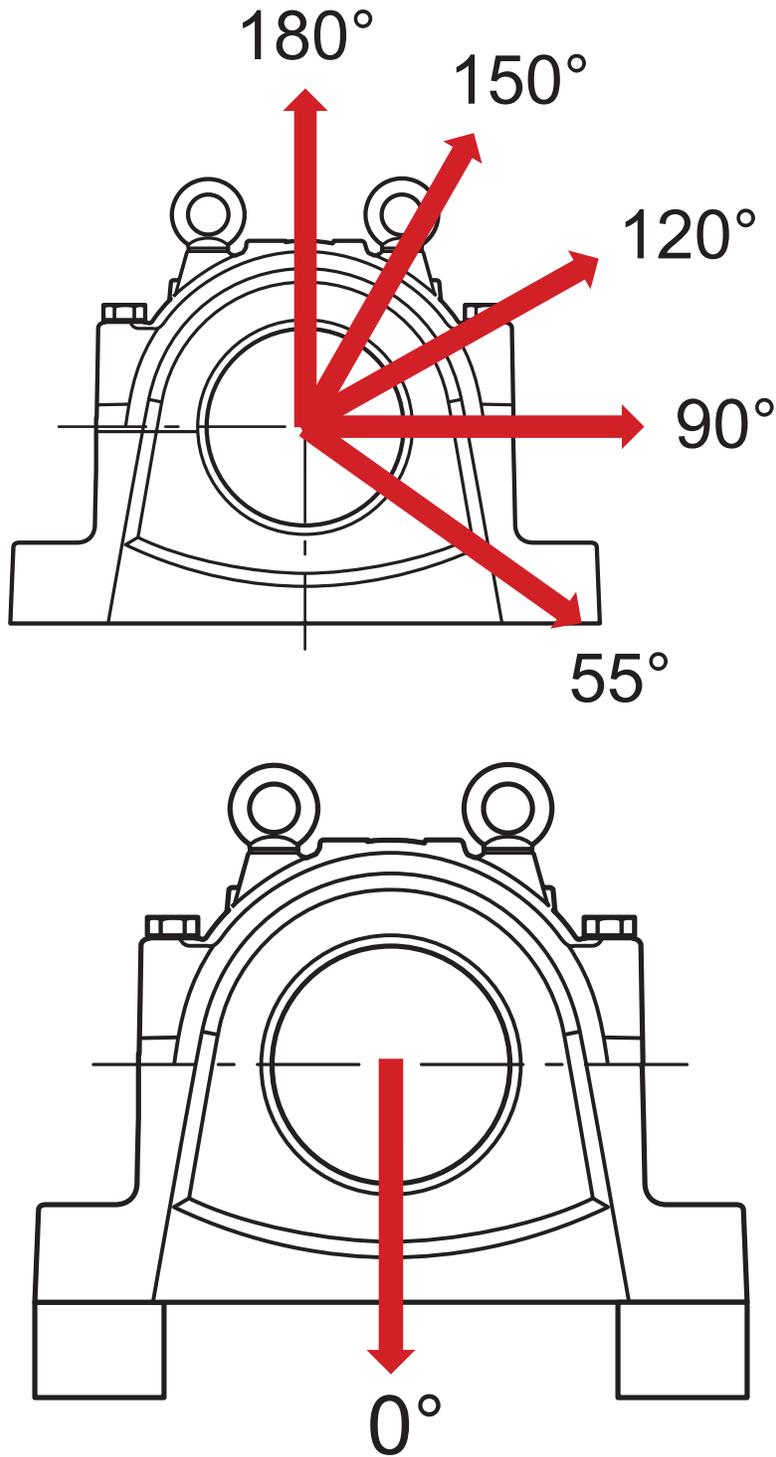
J <sub>1</sub>	100 mm	Axial distance between attachment bolts
N	34 mm	Length of attachment bolt hole (radial)
N <sub>1</sub>	28 mm	Width of attachment bolt hole
s	14 mm	Offset of bearing axis

## SEAL GROOVES

A <sub>3</sub>	159 mm	Inside width
A <sub>4</sub>	11 mm	Width of seal groove
A <sub>5</sub>	5.5 mm	Width of labyrinth stage
A <sub>6</sub>	22 mm	Width of labyrinth
A <sub>7</sub>	214 mm	Width between seal grooves
D <sub>c</sub>	186.4 mm	Diameter of seal groove
D <sub>d</sub>	195.2 mm	Diameter of seal groove

## DOWEL PINS

J <sub>6</sub>	470 mm	Distance between dowel pins
N <sub>4</sub>	20 mm	Diameter of dowel pins



Calculation data

**BREAKING LOADS**

$P_{0^\circ}$	1 700 kN	Breaking load at 0° load angle (if the housing is not supported over its entire base)
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P <sub>55°</sub>	2 100 kN	Breaking load at 55° load angle
P <sub>90°</sub>	1 000 kN	Breaking load at 90° load angle
P <sub>120°</sub>	760 kN	Breaking load at 120° load angle
P <sub>150°</sub>	680 kN	Breaking load at 150° load angle
P <sub>180°</sub>	850 kN	Breaking load at 180° load angle
P <sub>a</sub>	550 kN	Breaking load, axial

## YIELD POINTS OF CAP BOLTS

Q <sub>120°</sub>	1 800 kN	Load to reach yield point at 120° load angle
Q <sub>150°</sub>	1 040 kN	Load to reach yield point at 150° load angle
Q <sub>180°</sub>	900 kN	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

## Mounting information

Recommended diameter of attachment bolts	G	24 mm
Recommended tightening torque for attachment bolts		665 N·m
Size of cap bolts		M24x140
Tightening torque for cap bolts		350 N·m
Size of eye bolt		M16
Initial grease fill, 20%		0.7 kg
Initial grease fill, 40%		1.11 kg

## Included products

Grease fitting	AH 1/8-27 PTF, M1 G 1/8
Adapter	LAPN 1/8

## Compatible products

### Component

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Lubricator accessory reducer nipple for Single point automatic lubricators

[LAPN 1/8](#)

## More Information

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



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