



SNL 3140 GSplit plummer (pillow) block housing, SNL 30, 31 and 32 series

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	13.386 in
Width of bearing seat	5.197 in
Centre height (pillow block)	8.268 in
Centre distance between bolt holes	20.079 in
Centre distance between bolt holes (axial direction)	5.118 in
Attachment bolt diameter	1.181 in

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

Technical Specification

Dimensions

Bearing seat

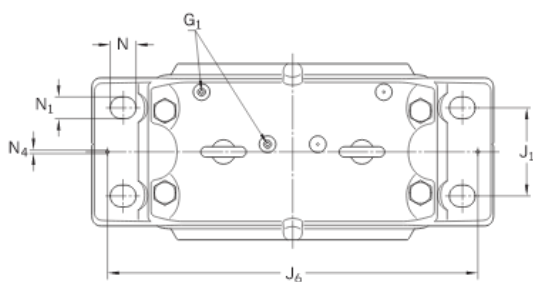
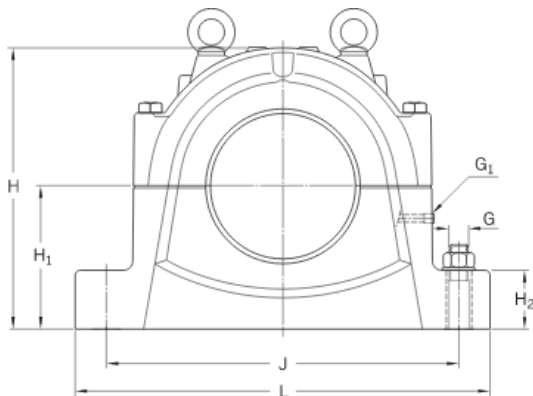
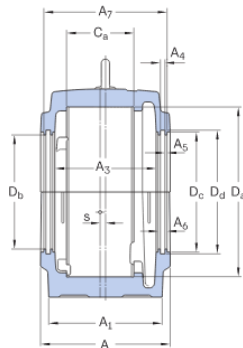
D_i	13.386 in	Diameter of bearing seat
G7		Tolerance class of bearing seat diameter
C_i	5.197 in	Width of bearing seat
H_i	8.268 in	Centre height of bearing seat

Outside dimensions

D_b	9.504 in	Bore diameter
A	11.024 in	Overall width
A_1	9.055 in	Foot width
G_1	1/8-27 NPSF	Thread of relubrication holes
H	16.181 in	Overall height
H_2	3.346 in	Foot height
L	24.016 in	Overall length
J	20.079 in	Distance between attachment bolts
J_1	5.118 in	Axial distance between attachment bolts
N	1.654 in	Length of attachment bolt hole (radial)
N_1	1.378 in	Width of attachment bolt hole
s	0.394 in	Offset of bearing axis

Seal grooves

A_3	8.15 in	Inside width
A_4	0.433 in	Width of seal groove
A_5	0.217 in	Width of labyrinth stage
A_6	0.866 in	Width of labyrinth
A_7	10.315 in	Width between seal grooves
D_c	10.094 in	Diameter of seal groove



D_d 10.449 in	Diameter of seal groove
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Dowel pins

J_6 22.047 in	Distance between dowel pins
N_4 0.787 in	Diameter of dowel pins

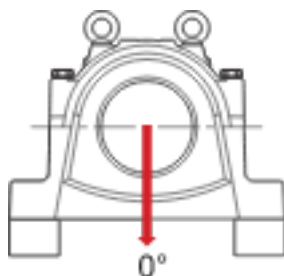
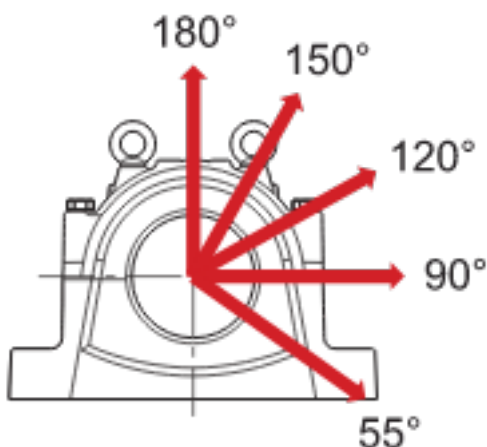
Calculation data

Breaking loads

P_c 584 503 lbf	Breaking load at 0° load angle
P_{ϵ} 719 389 lbf	Breaking load at 55° load angle
P_g 359 694 lbf	Breaking load at 90° load angle
P_1 247 290 lbf	Breaking load at 120° load angle
P_1 224 809 lbf	Breaking load at 150° load angle
P_1 292 252 lbf	Breaking load at 180° load angle
P_a 188 840 lbf	Breaking load, axial

Yield points of cap bolts

Q 404 656 lbf	Load to reach yield point at 120° load angle
Q 233 801 lbf	Load to reach yield point at 150° load angle
Q 202 328 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	255.736 lb
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Mounting information

Recommended diameter of attachment bolts	G	1.181 in
Recommended tightening torque for attachment bolts		11 594.477 lbf·in
Size of cap bolts		M24x160
Tightening torque for cap bolts		3 097.761 lbf·in
Size of eye bolt		M20
Initial grease fill, 20%		52.911 oz
Initial grease fill, 40%		81.13 oz

Included products

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

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