

SNL 511-609 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

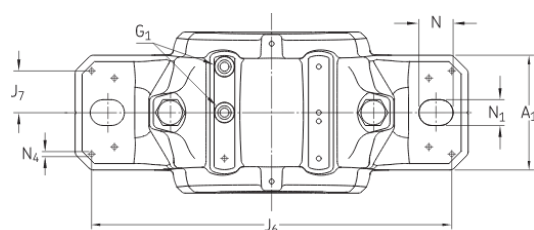
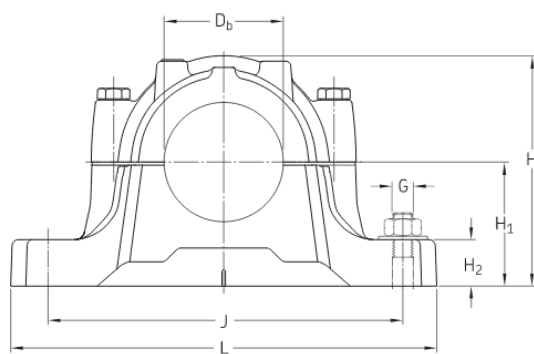
Dimensions

Diameter of bearing seat	100 mm
Width of bearing seat	44 mm
Centre height (pillow block)	70 mm
Centre distance between bolt holes	210 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	2
Material, housing	Cast iron
Bearing housing seal type	Without
Housing lubrication feature/possibility	Grease

Technical Specification



Dimensions

Bearing seat

D_a	100 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
C_a	44 mm	Width of bearing seat
H_1	70 mm	Centre height of bearing seat

Outside dimensions

D_b	67 mm	Bore diameter
A	95 mm	Overall width
A_1	70 mm	Foot width
G_1	1/8-27 NPSF	Thread of relubrication holes
H	127 mm	Overall height
H_2	28 mm	Foot height
L	255 mm	Overall length
J	210 mm	Distance between attachment bolts
N	24 mm	Length of attachment bolt hole
N_1	18 mm	Width of attachment bolt hole

Seal grooves

A_3	70 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	12 mm	Width at bore diameter
D_c	75.5 mm	Diameter of seal groove

Dowel pins

J_6	234 mm	Distance between dowel pins
J_7	24.5 mm	Axial offset of dowel pins

N_4 max. 8 mm

Diameter of dowel pins

Calculation data

Breaking loads

P_{0°	190 kN	Breaking load at 0° load angle
P_{55°	275 kN	Breaking load at 55° load angle
P_{90°	170 kN	Breaking load at 90° load angle
P_{120°	125 kN	Breaking load at 120° load angle
P_{150°	115 kN	Breaking load at 150° load angle
P_{180°	140 kN	Breaking load at 180° load angle
P_a	90 kN	Breaking load, axial



Yield points of cap bolts

Q_{12}	220 kN	Load to reach yield point at 120° load angle
Q_{15}	125 kN	Load to reach yield point at 150° load angle
Q_{18}	110 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

Mass

Mass housing

4.8 kg

Mounting information

Recommended diameter of attachment bolts	G	16 mm
Recommended tightening torque for attachment bolts		200 N·m
Size of cap bolts		M12x60
Tightening torque for cap bolts		80 N·m
Initial grease fill, 20%		55 g
Initial grease fill, 40%		90 g

Included products

Grease fitting		AH 1/8-27 PTF
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