

SNL 510-608

Split plummer 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

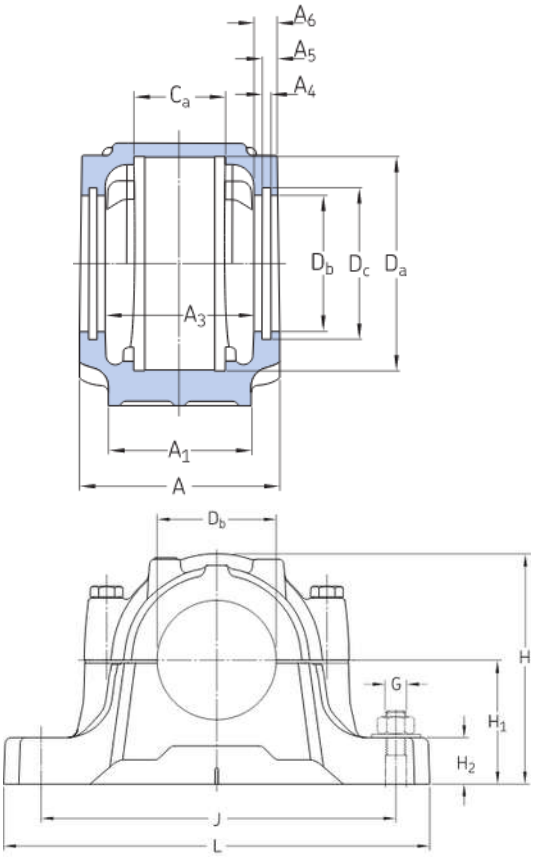
Dimensions

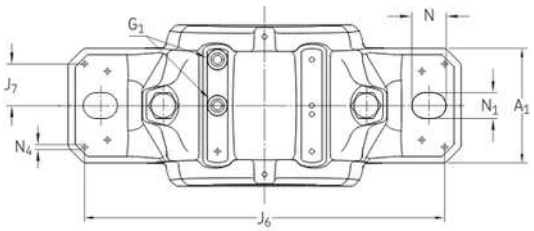
Attachment bolt diameter	12 mm
Centre distance between bolt holes	170 mm
Centre height (pillow block)	60 mm
Seating diameter	90 mm
Width of bearing seat	41 mm

Properties

Bearing housing seal type	Without
Housing configuration	Two-piece
Housing lubrication feature/possibility	Grease
Housing type	Plummer/pillow block
Material, housing	Cast iron
Mounting arrangement	Through shaft/Shaft end
Number of bolt holes for fasteners	2

Technical Specification





Dimensions

Bearing seat

D_a	90 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
C_a	41 mm	Width of bearing seat
H_1	60 mm	Centre height of bearing seat

Outside dimensions

D_b	62 mm	Bore diameter
A	90 mm	Overall width
A_1	60 mm	Foot width
G_1	1/8-27 NPSF	Thread of relubrication holes
H	113 mm	Overall height
H_2	25 mm	Foot height
L	205 mm	Overall length
J	170 mm	Distance between attachment bolts
N	20 mm	Length of attachment bolt hole
N_1	15 mm	Width of attachment bolt hole

Seal grooves

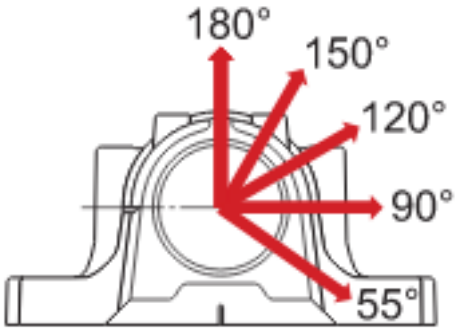
A_3	65 mm	Inside width between seal grooves
A_4	5 mm	Width of seal groove
A_5	9 mm	Distance to seal groove back face
A_6	12 mm	Width at bore diameter
D_c	70.5 mm	Diameter of seal groove

Dowel pins

J_6	188 mm	Distance between dowel pins
J_7	22 mm	Axial offset of dowel pins

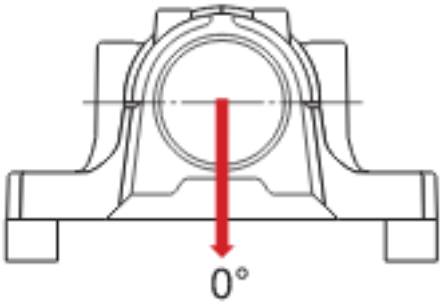
N_4	max. 6 mm	Diameter of dowel pins

Calculation data



Breaking loads

$P_{0°}$	170 kN	Breaking load at 0° load angle
$P_{55°}$	265 kN	Breaking load at 55° load angle
$P_{90°}$	155 kN	Breaking load at 90° load angle
$P_{120°}$	120 kN	Breaking load at 120° load angle
$P_{150°}$	110 kN	Breaking load at 150° load angle
$P_{180°}$	130 kN	Breaking load at 180° load angle
P_a	85 kN	Breaking load, axial



Yield points of cap bolts

$Q_{120°}$	150 kN	Load to reach yield point at 120° load angle
$Q_{150°}$	85 kN	Load to reach yield point at 150° load angle
$Q_{180°}$	75 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	3.42 kg

Mounting information

Recommended diameter of attachment bolts	G	12 mm
Recommended tightening torque for attachment bolts		80 Nm
Size of cap bolts		M10x55
Tightening torque for cap bolts		50 Nm
Initial grease fill, 20%		45 g
Initial grease fill, 40%		70 g

Included products

Grease fitting	AH 1/8-27 PTF

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