

SNL 516-613

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

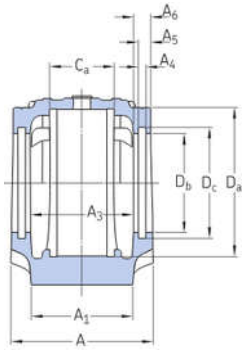
Dimensions

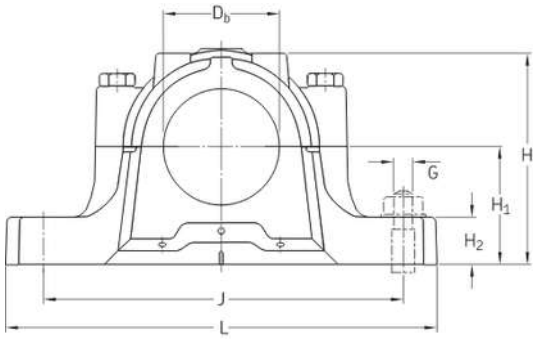
Attachment bolt diameter	20 mm
Centre distance between bolt holes	260 mm
Centre height (pillow block)	95 mm
Seating diameter	140 mm
Width of bearing seat	58 mm

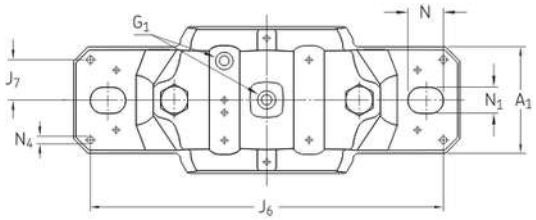
Properties

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	140 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
C_a	58 mm	Width of bearing seat
H_1	95 mm	Centre height of bearing seat

Outside dimensions

D_b	92.5 mm	Bore diameter
A	120 mm	Overall width
A_1	90 mm	Foot width
G_1	1/8-27 NPSF	Thread for relubrication holes
H	177 mm	Overall height
H_2	32 mm	Foot height
L	315 mm	Overall length
J	260 mm	Distance between attachment bolts
N	28 mm	Length of attachment bolt hole
N_1	22 mm	Width of attachment bolt hole

Seal grooves

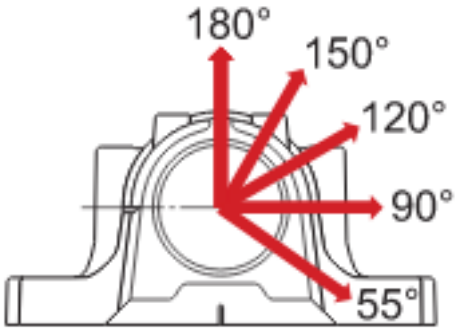
A_3	93 mm	Inside width between seal grooves
A_4	5 mm	Width of seal groove
A_5	9 mm	Distance to seal groove back face
A_6	13 mm	Width at bore diameter
D_c	101 mm	Diameter of seal groove

Dowel pins

J_6	288 mm	Distance between dowel pins
J_7	33 mm	Axial offset of dowel pins

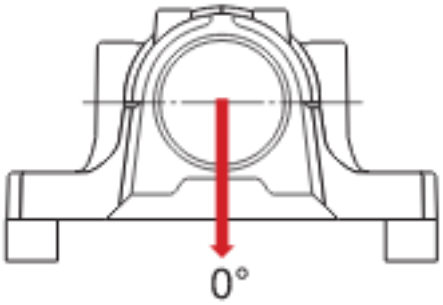
N_4	max. 8 mm	Diameter of dowel pins

Calculation data



Breaking loads

$P_{0°}$	350 kN	Breaking load at 0° load angle
$P_{55°}$	430 kN	Breaking load at 55° load angle
$P_{90°}$	260 kN	Breaking load at 90° load angle
$P_{120°}$	190 kN	Breaking load at 120° load angle
$P_{150°}$	175 kN	Breaking load at 150° load angle
$P_{180°}$	215 kN	Breaking load at 180° load angle
P_a	140 kN	Breaking load, axial



Yield points of cap bolts

$Q_{120°}$	220 kN	Load to reach yield point at 120° load angle
$Q_{150°}$	125 kN	Load to reach yield point at 150° load angle
$Q_{180°}$	110 kN	Load to reach yield point at 180° load angle

Materials

Housing material	Cast iron
Paint, corrosion protection	In accordance with ISO 12944-2, corrosivity category C2

Mass

Mass housing	9.5 kg

Mounting information

Recommended diameter of attachment bolts	G	20 mm
Recommended tightening torque for attachment bolts		385 Nm
Size of cap bolts		M12x70
Tightening torque for cap bolts		80 Nm
Initial grease fill, 20%		170 g
Initial grease fill, 40%		280 g

Included products

Grease fitting	AH 1/8-27 PTF

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