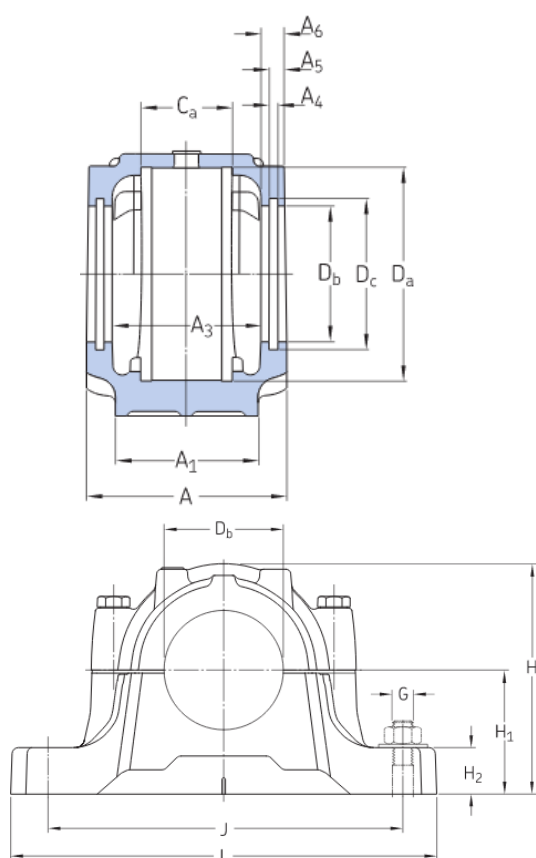




SNL 512-610

Split plummer block housings – SNL 2, 3, 5 and 6 series

Technical specification



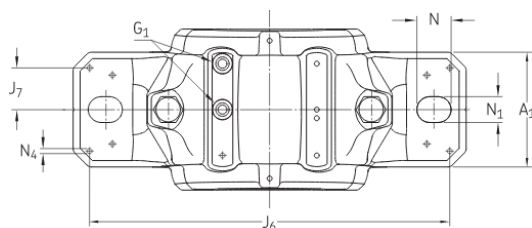
DIMENSIONS

BEARING SEAT

D_a	110 mm	Diameter of bearing seat
	G7	Tolerance class of bearing seat diameter
C_a	48 mm	Width of bearing seat
H_1	70 mm	Centre height of bearing seat

OUTSIDE DIMENSIONS

D_b	72 mm	Bore diameter
A	105 mm	Overall width
A_1	70 mm	Foot width
G1	1/8-27 NPSF	Thread for relubrication holes
H	134 mm	Overall height
H_2	30 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_i 80 mm	Inside width between seal grooves
A_i 5 mm	Width of seal groove
A_i 9 mm	Distance to seal groove back face
A_i 12 mm	Width at bore diameter
D_i 80.5 mm	Diameter of seal groove

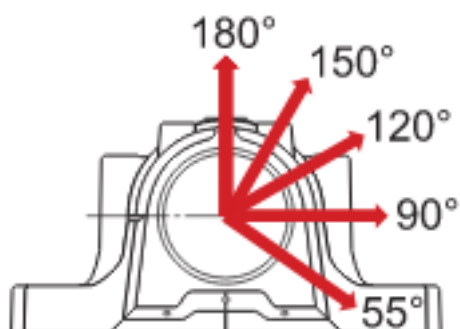
DOWEL PINS

J_6 234 mm	Distance between dowel pins
J_7 27 mm	Axial offset of dowel pins
N_i max. 8 mm	Diameter of dowel pins

CALCULATION DATA

BREAKING LOADS

P_c 210 kN	Breaking load at 0° load angle
P_{ξ} 300 kN	Breaking load at 55° load angle
P_{ζ} 180 kN	Breaking load at 90° load angle
P_{η} 130 kN	Breaking load at 120° load angle
P_{η} 120 kN	Breaking load at 150° load angle
P_{η} 150 kN	Breaking load at 180° load angle
P_{ξ} 100 kN	Breaking load, axial



YIELD POINTS OF CAP BOLTS

Q120°	220 kN	Load to reach yield point at 120° load angle
Q150°	125 kN	Load to reach yield point at 150° load angle
Q180°	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	5.61 kg
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MOUNTING INFORMATION

Recommended diameter of attachment bolts	G	16 mm
Recommended tightening torque for attachment bolts		200 Nm
Size of cap bolts		M12x60
Tightening torque for cap bolts		80 Nm
Initial grease fill, 20%		80 g
Initial grease fill, 40%		135 g

INCLUDED PRODUCTS

Grease fitting	AH 1/8-27 PTF
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