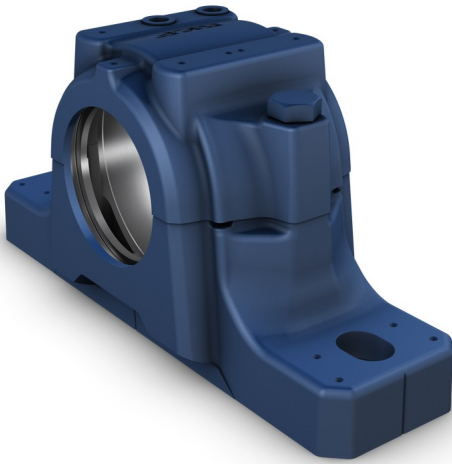


SNL 212Split plummer (pillow) block housing, SNL 2, 3, 5 and 6 series

Split plummer (pillow) 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

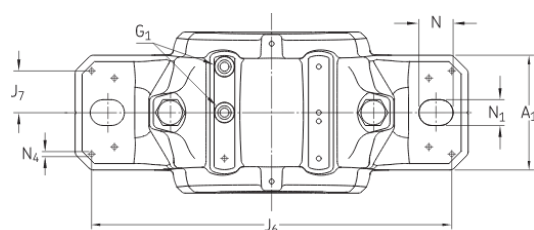
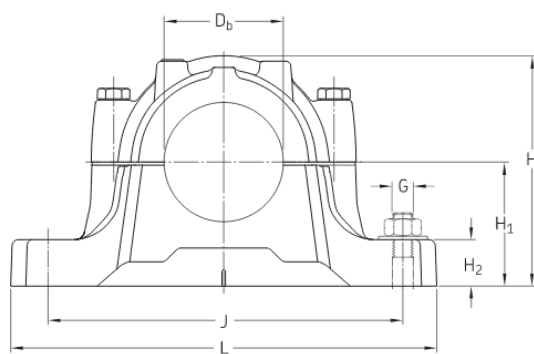
Dimensions

| | |
|------------------------------------|--------|
| Diameter of bearing seat | 110 mm |
| Width of bearing seat | 48 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 | 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 | 87 mm | Bore diameter |
| A | 105 mm | Overall width |
| A_1 | 70 mm | Foot width |
| G_1 | 1/8-27 NPSF | Thread of 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_3 | 79 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 | 95.5 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_4 max. 8 mm

Diameter of dowel pins

Calculation data

Breaking loads

| | | |
|-----------------|--------|---|
| P_{0° | 210 kN | Breaking load at 0° load angle |
| P_{55° | 300 kN | Breaking load at 55° load angle |
| P_{90° | 180 kN | Breaking load at 90° load angle |
| P_{120° | 130 kN | Breaking load at 120° load angle |
| P_{150° | 120 kN | Breaking load at 150° load angle |
| P_{180° | 150 kN | Breaking load at 180° load angle |
| P_a | 100 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

5.26 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% | | 80 g |
| Initial grease fill, 40% | | 135 g |

Included products

| | | |
|----------------|--|---------------|
| Grease fitting | | AH 1/8-27 PTF |
|----------------|--|---------------|

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