



FSNLD 524-620 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 | 215 mm |
| Width of bearing seat | 86 mm |
| Centre height (pillow block) | 140 mm |
| Centre distance between bolt holes | 350 mm |
| Centre distance between bolt holes (axial direction) | 70 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 | 4 |
| Material, housing | Spheroidal graphite cast iron |
| Bearing housing seal type | Without |
| Housing lubrication | Grease |

feature/possibility

Technical Specification



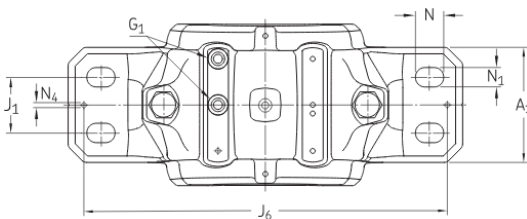
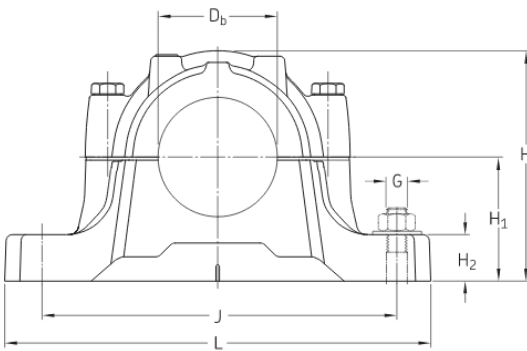
Dimensions

Bearing seat

| | | |
|-------|--------|--|
| D_a | 215 mm | Diameter of bearing seat |
| | G7 | Tolerance class of bearing seat diameter |
| C_a | 86 mm | Width of bearing seat |
| H_1 | 140 mm | Centre height of bearing seat |

Outside dimensions

| | | |
|-------|----------------|---|
| D_b | 157.5 mm | Bore diameter |
| A | 185 mm | Overall width |
| A_1 | 120 mm | Foot width |
| G_1 | 1/8-27 NPSF | Thread of relubrication holes |
| H | 271 mm | Overall height |
| H_2 | 45 mm | Foot height |
| L | 410 mm | Overall length |
| J | 350 mm | Distance between attachment bolts |
| J_1 | 70 mm | Axial 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 | 151 mm | Inside width between seal grooves |
| A_4 | 6 mm | Width of seal groove |
| A_5 | 11 mm | Distance to seal groove back face |
| A_6 | 15 mm | Width at bore diameter |
| D_c | 167.5 mm | Diameter of seal groove |

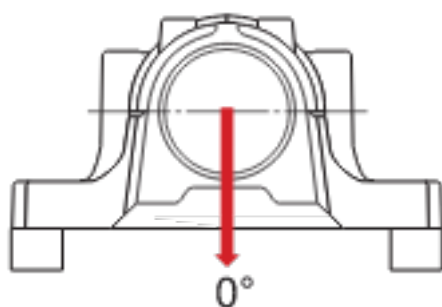
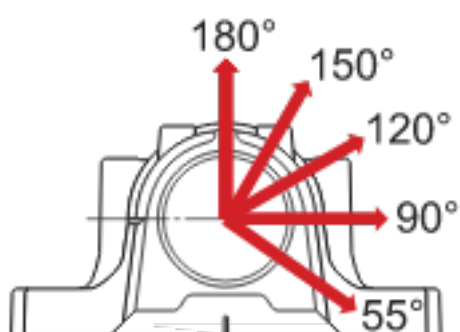
Dowel pins

| | | |
|-------|-----------|-----------------------------|
| J_6 | 378 mm | Distance between dowel pins |
| N_4 | max. 8 mm | Diameter of dowel pins |

Calculation data

Breaking loads

| | | |
|-----------------|----------|----------------------------------|
| P_{0° | 1 440 kN | Breaking load at 0° load angle |
| P_{55° | 1 422 kN | Breaking load at 55° load angle |
| P_{90° | 846 kN | Breaking load at 90° load angle |
| P_{120° | 630 kN | Breaking load at 120° load angle |
| P_{150° | 576 kN | Breaking load at 150° load angle |
| P_{180° | 720 kN | Breaking load at 180° load angle |
| P_a | 468 kN | Breaking load, axial |



Yield points of cap bolts

| | | |
|----------------|--------|--|
| Q_{12° | 868 kN | Load to reach yield point at 120° load angle |
| Q_{15° | 504 kN | Load to reach yield point at 150° load angle |
| Q_{18° | 434 kN | Load to reach yield point at 180° load angle |

Materials

| | |
|----------------------|---|
| Housing material | Spheroidal graphite cast iron |
| Corrosion protection | Paint - in accordance with ISO 12944-2, corrosivity category C2 |

Mass

| | |
|--------------|---------|
| Mass housing | 28.2 kg |
|--------------|---------|

Mounting information

| | | |
|--|---|---------|
| Recommended diameter of attachment bolts | G | 16 mm |
| Recommended tightening torque for attachment bolts | | 200 N·m |
| Size of cap bolts | | M20x120 |
| Tightening torque for cap bolts | | 200 N·m |
| Size of eye bolt | | M10 |
| Initial grease fill, 20% | | 630 g |
| Initial grease fill, 40% | | 1 000 g |

Included products

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

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