



## SKF SNL 513-611

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.

### Technical specifications

| Dimensions                               |             |
|------------------------------------------|-------------|
| Diameter of bearing seat                 | 120 mm      |
| Tolerance class of bearing seat diameter | G7          |
| Width of bearing seat                    | 51 mm       |
| Centre height of bearing seat            | 80 mm       |
| Bore diameter                            | 77 mm       |
| Overall width                            | 110 mm      |
| Foot width                               | 80 mm       |
| Thread of relubrication holes            | 1/8-27 NPSF |
| Overall height                           | 149 mm      |
| Foot height                              | 30 mm       |
| Overall length                           | 275 mm      |
| Distance between attachment bolts        | 230 mm      |
| Length of attachment bolt hole           | 24 mm       |
| Width of attachment bolt hole            | 18 mm       |
| Inside width between seal grooves        | 83 mm       |
| Width of seal groove                     | 5 mm        |
| Distance to seal groove back face        | 9 mm        |
| Width at bore diameter                   | 13 mm       |
| Diameter of seal groove                  | 85.5 mm     |
| Distance between dowel pins              | 252 mm      |
| Axial offset of dowel pins               | 29 mm       |
| Diameter of dowel pins                   | 8 mm        |
| Centre height (pillow block)             | 80 mm       |
| Centre distance between bolt holes       | 230 mm      |
| Attachment bolt diameter                 | 16 mm       |

| Calculation data                                                                      |        |
|---------------------------------------------------------------------------------------|--------|
| Breaking load at 0° load angle (if the housing is not supported over its entire base) | 270 kN |
| Breaking load at 55° load angle                                                       | 340 kN |
| Breaking load at 90° load angle                                                       | 205 kN |
| Breaking load at 120° load angle                                                      | 150 kN |
| Breaking load at 150° load angle                                                      | 130 kN |
| Breaking load at 180° load angle                                                      | 170 kN |
| Breaking load, axial                                                                  | 110 kN |
| Load to reach yield point at 120° load angle                                          | 220 kN |
| Load to reach yield point at 150° load angle                                          | 125 kN |
| Load to reach yield point at 180° load angle                                          | 110 kN |

| Materials            |                                                                 |
|----------------------|-----------------------------------------------------------------|
| Housing material     | Cast iron                                                       |
| Corrosion protection | Paint - in accordance with ISO 12944-2, corrosivity category C2 |

| Mounting information                               |         |
|----------------------------------------------------|---------|
| Recommended diameter of attachment bolts           | 16 mm   |
| Recommended tightening torque for attachment bolts | 200 N·m |

|                                 |        |
|---------------------------------|--------|
| Size of cap bolts               | M12x65 |
| Tightening torque for cap bolts | 80 N·m |
| Initial grease fill, 20%        | 100 g  |
| Initial grease fill, 40%        | 160 g  |

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

| 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                  |

| Logistics          |             |
|--------------------|-------------|
| Product net weight | 6.84 kg     |
| eClass code        | 23-05-17-01 |
| UNSPSC code        | 31171519    |





