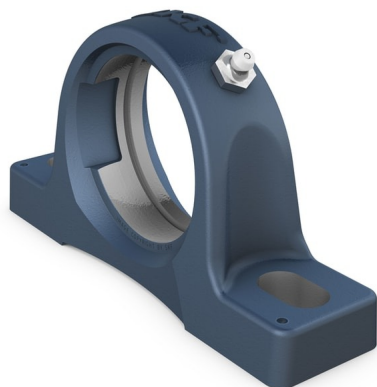


# SYJ 518Pillow block housing for insert bearings, cast iron, Japanese standards



## Pillow block housing for insert bearings, cast iron, Japanese standards

Pillow (plummer) block housings are designed to accommodate an insert bearing. The cast iron housings are strong, stiff and cost-effective. They are suitable for most applications and can be bolted directly to a support surface. This variant is compliant with Japanese standards.

- Accommodate heavy loads in different directions
- Strong
- High degree of stiffness
- Narrow design

## Overview

## Dimensions

|                                    |          |
|------------------------------------|----------|
| Spherical seating diameter         | 160 mm   |
| Centre height (pillow block)       | 101.6 mm |
| Housing overall width              | 88 mm    |
| Centre distance between bolt holes | 262 mm   |

## Properties

|                                    |              |
|------------------------------------|--------------|
| Housing type                       | Pillow block |
| Number of bolt holes for fasteners | 2            |
| Fastening bolt hole type           | Plain        |
| Material, housing                  | Cast iron    |
| Coating                            | Without      |
| Relubrication hole                 | With         |
| Grease fitting                     | With         |

# Technical Specification

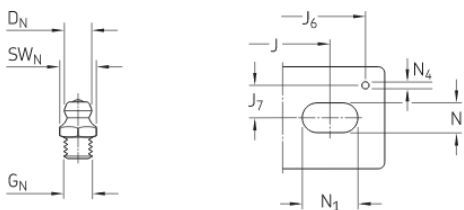
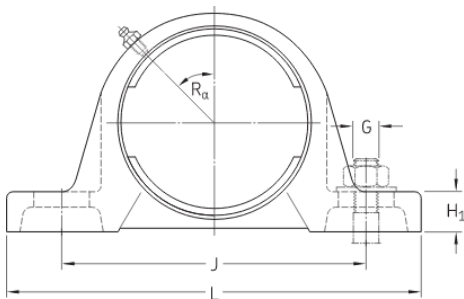
Material

Cast iron



## Dimensions

|       |             |                                   |
|-------|-------------|-----------------------------------|
| $D_a$ | 160 mm      | Diameter of spherical seat        |
| A     | 88 mm       | Base width                        |
| $A_1$ | 54 mm       | Top width                         |
| H     | 101.6 mm    | Height of spherical seat centre   |
| $H_1$ | 33 mm       | Foot height                       |
| $H_2$ | 200.5 mm    | Overall height                    |
| J     | 262 mm      | Distance between attachment bolts |
| J     | max. 270 mm | Distance between attachment bolts |
| J     | min. 254 mm | Distance between attachment bolts |
| L     | 327 mm      | Overall length                    |
| N     | 27 mm       | Width of attachment bolt hole     |
| $N_1$ | 35 mm       | Length of attachment bolt hole    |



### Threaded hole

|       |            |  |
|-------|------------|--|
| $R_G$ | 1/4-28 UNF | Housing thread for the grease fitting  |
| $R_1$ | 8.5 mm     | Axial position of the housing thread   |
| $R_a$ | 45 °       | Angular position of the housing thread |

### Grease fitting

|       |                  |   |
|-------|------------------|---|
| $D_N$ | 6.5 mm           | Diameter of head sphere of grease fitting |
| SW    | 7 mm             | Hexagonal key size for the grease fitting |
| $G_N$ | 1/4-28<br>SAE-LT | Thread of the grease fitting              |

#### Dowel pins

|       |        |                                     |
|-------|--------|-------------------------------------|
| $J_6$ | 303 mm | Distance between dowel pins         |
| $J_7$ | 32 mm  | Axial offset of dowel pins          |
| $N_4$ | 4 mm   | Recommended diameter for dowel pins |

## Mass

|              |         |
|--------------|---------|
| Mass housing | 8.55 kg |
|--------------|---------|

## Mounting information

|   |   |          |
|---|---|----------|
| Recommended diameter for attachment bolts, mm   | G | 22 mm    |
| Recommended diameter for attachment bolts, inch | G | 0.875 in |

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