

Image may differ from product. See technical specification for details.

## SYJ 515

### 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	130 mm
Centre height (pillow block)	82.5 mm
Housing overall width	74 mm
Centre distance between bolt holes	217 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

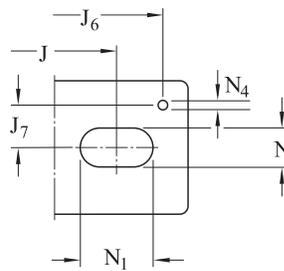
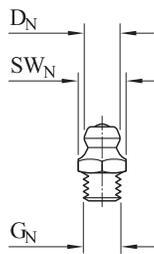
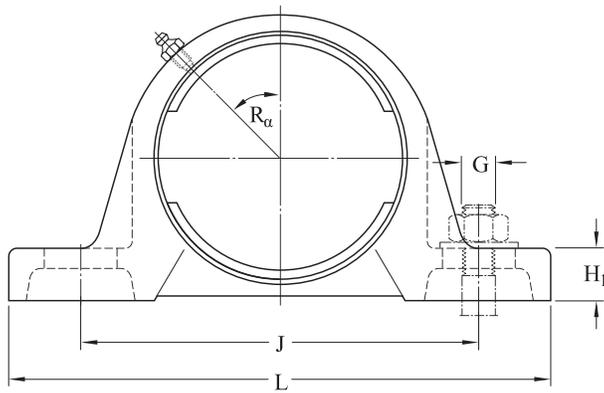
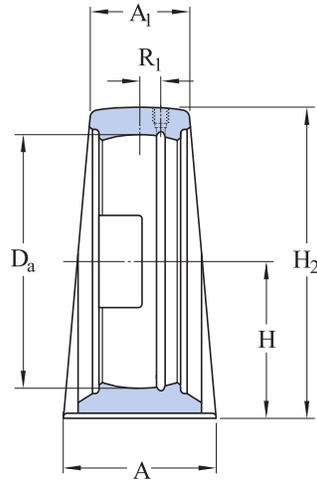
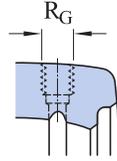
## Logistics

Product net weight	5.02 kg
eClass code	23-05-16-02
UNSPSC code	31171536

# Technical specification

Material

Cast iron



## Dimensions

D <sub>a</sub>	130 mm	Diameter of spherical seat
A	74 mm	Base width
A <sub>1</sub>	54 mm	Top width
H	82.5 mm	Height of spherical seat centre
H <sub>1</sub>	28 mm	Foot height
H <sub>2</sub>	165.5 mm	Overall height
J	217 mm	Distance between attachment bolts
J	max. 222 mm	Maximum distance between attachment bolts
J	min. 212 mm	Minimum distance between attachment bolts
L	275 mm	Overall length
N	25 mm	Width of attachment bolt hole
N <sub>1</sub>	30 mm	Length of attachment bolt hole

## GREASE FITTING

D <sub>N</sub>	6.5 mm	Diameter of head sphere of grease fitting
SW <sub>N</sub>	7 mm	Hexagonal key size for the grease fitting
G <sub>N</sub>	1/4-28 SAE-LT	Thread of the grease fitting

## DOWEL PINS

J <sub>6</sub>	255 mm	Distance between dowel pins
J <sub>7</sub>	27 mm	Axial offset of dowel pins
N <sub>4</sub>	4 mm	Recommended diameter for dowel pins

## THREADED HOLE

R <sub>G</sub>	1/4-28 UNF	Housing thread for the grease fitting
R <sub>1</sub>	6.5 mm	Axial position of the housing thread
R <sub>a</sub>	45 °	Angular position of the housing thread

## Mounting information

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Recommended diameter for attachment bolts, mm	G	20 mm
Recommended diameter for attachment bolts, inch	G	0.75 in

## Associated products

## Tolerances and clearances

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The values depend on the included bearing:

- Bore diameter tolerance → [table 1](#)
- Radial internal clearance → [table 2](#)
- Recommended fit → [table 3](#)
- Shaft tolerance → [table 4](#)



## More Information

### Product details

[Pillow block units to ISO standards](#)

[Pillow block units to North American standards](#)

[Pillow block units to Japanese Industrial Standards \(JIS\)](#)

[Pillow block units, not standardized \(incl. SKF Food Line\)](#)

[Permissible misalignment](#)

[Locating/non-locating support](#)

[Loads](#)

[Temperature limits](#)

[Permissible speed](#)

[Lubrication](#)

[Mounting and dismounting](#)

[Ordering information](#)

[Designation system](#)

### Engineering information

 [Principles of ball bearing units selection and application - Download catalogue \(4.9 MB\)](#)

[Principles of selecting mounted bearing solutions](#)

[Bearing failure and how to prevent it](#)

### Tools

[SKF Product select](#)

[Bearing Frequency Calculator](#)



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