

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

## SYJ 508

### 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	80 mm
Centre height (pillow block)	49.2 mm
Housing overall width	49 mm
Centre distance between bolt holes	136.5 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

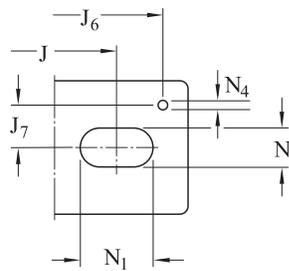
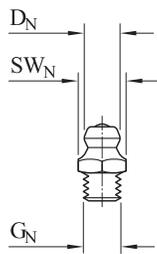
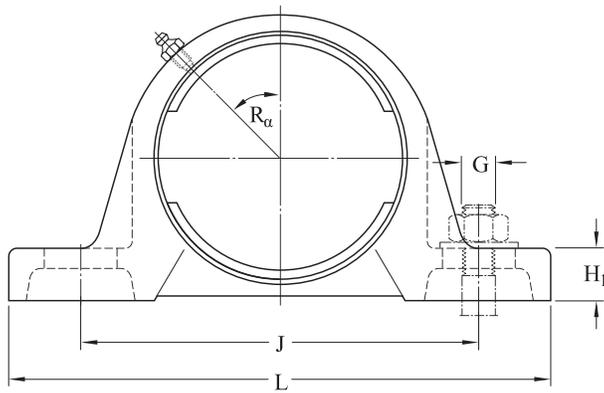
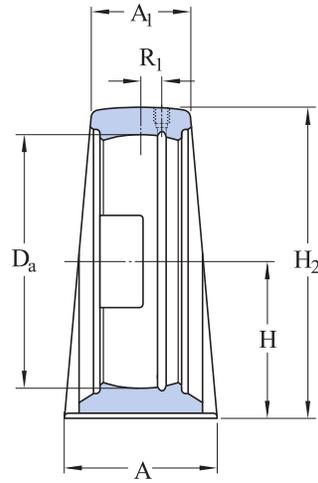
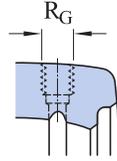
## Logistics

Product net weight	1.21 kg
eClass code	23-05-16-02
UNSPSC code	31171536

# Technical specification

Material

Cast iron



## Dimensions

D <sub>a</sub>	80 mm	Diameter of spherical seat
A	49 mm	Base width
A <sub>1</sub>	31 mm	Top width
H	49.2 mm	Height of spherical seat centre
H <sub>1</sub>	18 mm	Foot height
H <sub>2</sub>	99 mm	Overall height
J	136.5 mm	Distance between attachment bolts
J	max. 145 mm	Maximum distance between attachment bolts
J	min. 128 mm	Minimum distance between attachment bolts
L	184 mm	Overall length
N	17 mm	Width of attachment bolt hole
N <sub>1</sub>	25.5 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>	170 mm	Distance between dowel pins
J <sub>7</sub>	17.5 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>	3.5 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	14 mm
Recommended diameter for attachment bolts, inch	G	0.5625 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

 <b>Product details</b>	 <b>Engineering information</b>	 <b>Tools</b>
<a href="#">Pillow block units to ISO standards</a>		<a href="#">SKF Product select</a>
<a href="#">Pillow block units to North American standards</a>	 <a href="#">Principles of ball bearing units selection and application - Download catalogue (4.9 MB)</a>	<a href="#">Bearing Frequency Calculator</a>
<a href="#">Pillow block units to Japanese Industrial Standards (JIS)</a>	<a href="#">Principles of selecting mounted bearing solutions</a>	
<a href="#">Pillow block units, not standardized (incl. SKF Food Line)</a>	<a href="#">Bearing failure and how to prevent it</a>	
<a href="#">Permissible misalignment</a>		
<a href="#">Locating/non-locating support</a>		
<a href="#">Loads</a>		
<a href="#">Temperature limits</a>		
<a href="#">Permissible speed</a>		
<a href="#">Lubrication</a>		
<a href="#">Mounting and dismounting</a>		
<a href="#">Ordering information</a>		
<a href="#">Designation system</a>		



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