

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

SYK 507

Pillow block housing for insert bearings, composite, ISO standards

Pillow (plummer) block housings are designed to accommodate an insert bearing. Housings made of composite materials are lightweight but robust and have excellent corrosion resistance. They are suitable for most applications and can be bolted directly to a support surface.

- Excellent corrosion resistance
- Tolerant of high and low temperatures
- Lightweight
- Recyclable

Overview

Dimensions

Spherical seating diameter	72 mm
Centre height (pillow block)	47.6 mm
Housing overall width	45 mm
Centre distance between bolt holes	126 mm

Properties

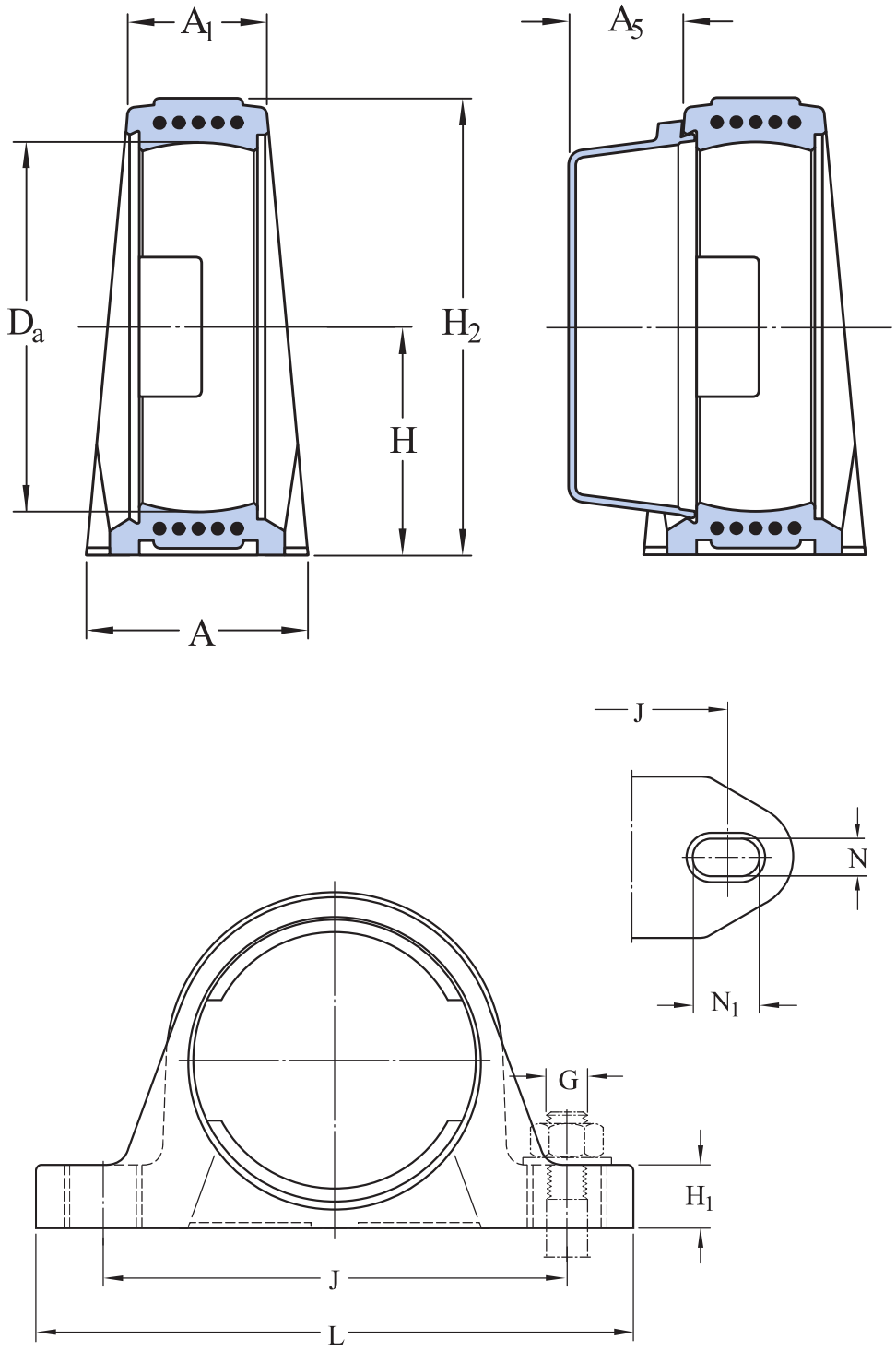
Housing type	Pillow block
Number of bolt holes for fasteners	2
Fastening bolt hole type	Plain
Material, housing	Composite
Coating	Without
Relubrication hole	Without
Grease fitting	Without

Logistics

Product net weight	0.228 kg
eClass code	23-05-08-02
UNSPSC code	31171536

Technical specification

Material	Composite



Dimensions

D_a	72 mm	Diameter of spherical seat
A	45 mm	Base width
A_1	27 mm	Top width
A_5	24 mm	Standout of end cover
H	47.6 mm	Height of spherical seat centre
H_1	19 mm	Foot height
H_2	93.5 mm	Overall height
J	126 mm	Distance between attachment bolts
J	max. 133 mm	Maximum distance between attachment bolts
J	min. 119 mm	Minimum distance between attachment bolts
L	164 mm	Overall length
N	14.5 mm	Width of attachment bolt hole
N_1	21.5 mm	Length of attachment bolt hole

Mounting information

Recommended diameter for attachment bolts, mm	G	12 mm
Recommended diameter for attachment bolts, inch	G	0.5 in

Associated products

End cover	ECY 207

Tolerances and clearances

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

Compatible products

Recommended product

End cover for bearing units	ECY 207

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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