

SYF 506 - Housings for insert bearings

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

SYF 506

Short base pillow block housing for insert bearings, cast iron

Short base pillow (plummer) block housings are designed to accommodate an insert bearing. They are strong, stiff and cost-effective, and are suitable for most applications. The housings has threads for attachment bolts so that it can be bolted directly to a support surface.

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

Overview

Dimensions

Spherical seating diameter	62 mm
Centre height (pillow block)	42.9 mm
Housing overall width	40 mm
Centre distance between bolt holes	76.2 mm

Properties

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

Logistics

Product net weight	0.678 kg
eClass code	23-05-08-02
UNSPSC code	31171536

Technical specification

Material	Cast iron
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Dimensions - SYF 506

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Dimensions

D _a	62 mm	Diameter of spherical seat
A	40 mm	Base width
A ₁	25 mm	Top width
H	42.9 mm	Height of spherical seat centre
H ₂	82 mm	Overall height
J	76.2 mm	Distance between attachment bolts
L	98 mm	Overall length

GREASE FITTING

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

THREADED HOLE

R _G	1/4-28 UNF	Housing thread for grease fitting
R ₁	3 mm	Axial position of the housing thread
R _a	45 °	Angular position of the housing thread

Mounting information

Housing thread for attachment bolts	G	M10
Thread length	G ₁	15 mm

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](#)

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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