



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

FYK 507

Square flanged housing for insert bearings, composite

These square flanged housings for insert bearings are made of composite material and are chemical resistant, lightweight and strong. These housings have been developed for bearing arrangements that must operate reliably in difficult environments for extended periods without maintenance.

- Chemical resistant
- Lightweight
- Strong

Overview

Dimensions

Spherical seating diameter	72 mm
Housing overall width	35 mm
Centre distance between bolt holes	92 mm

Properties

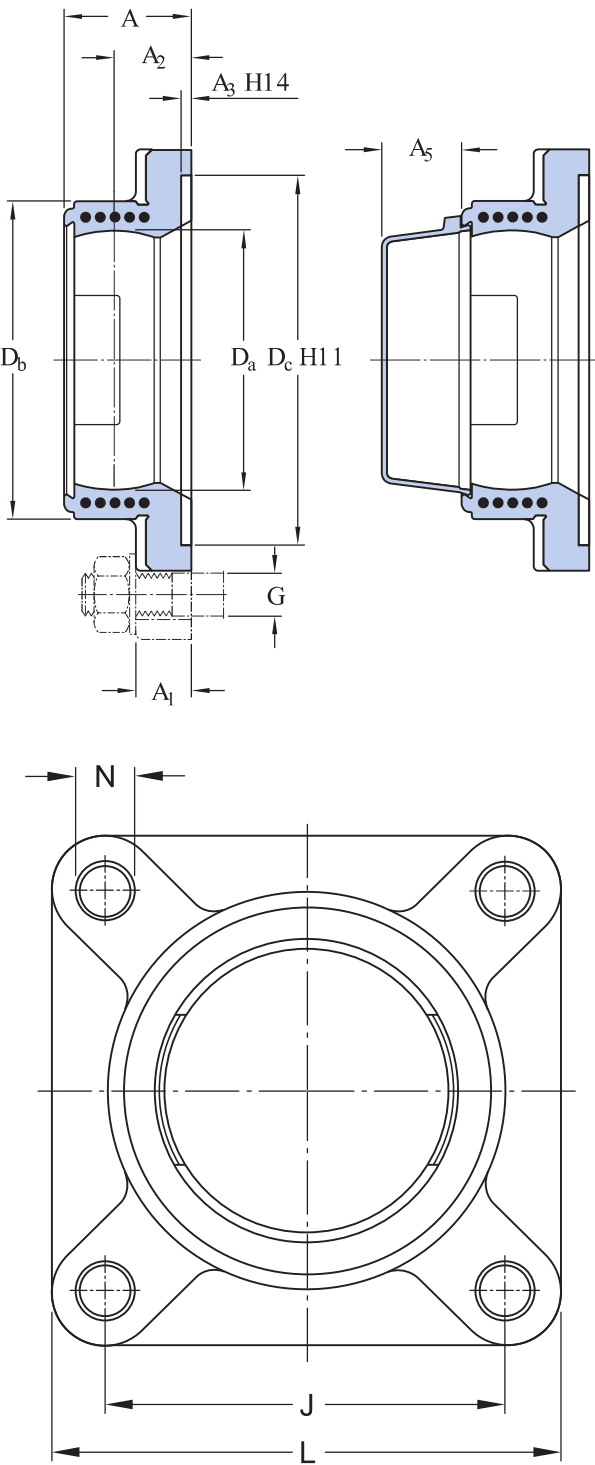
Housing type	Flanged
Flanged housing type	Square
Number of bolt holes for fasteners	4
Fastening bolt hole type	Plain
Material, housing	Composite
Coating	Without
Relubrication hole	Without
Grease fitting	Without

Logistics

Product net weight	0.236 kg
eClass code	23-05-08-02
UNSPSC code	31171536

Technical specification

Material	Composite
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Dimensions

D _a	72 mm	Diameter of spherical seat
D _b	90 mm	Top external diameter
D _c	106.4 mm	Centring diameter
A	35 mm	Overall width
A ₁	17 mm	Flange width
A ₂	21 mm	Axial position of spherical seat (from support surface)
A ₃	3.2 mm	Depth of centring recess
A ₅	24 mm	Standout of end cover
J	92 mm	Centre distance between bolt holes
L	118 mm	Overall length
N	14.8 mm	Diameter 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
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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 Flanged units to ISO standards Flanged units to North American standards Flanged units to Japanese Industrial Standards (JIS) Flanged units, not standardized (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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