

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

FYK 505

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	52 mm
Housing overall width	31 mm
Centre distance between bolt holes	70 mm

Properties

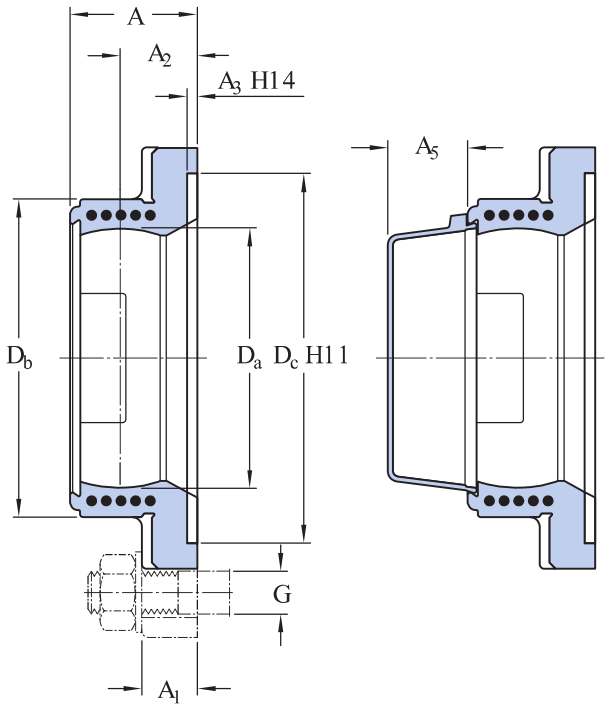
Housing type	Flanged
Flanged housing type	Square
Number of bolt holes for fasteners	4
Fastening bolt hole type	Plain
Material, housing	Composite
Coating	Without
Relubrication hole	Without
Grease fitting	Without

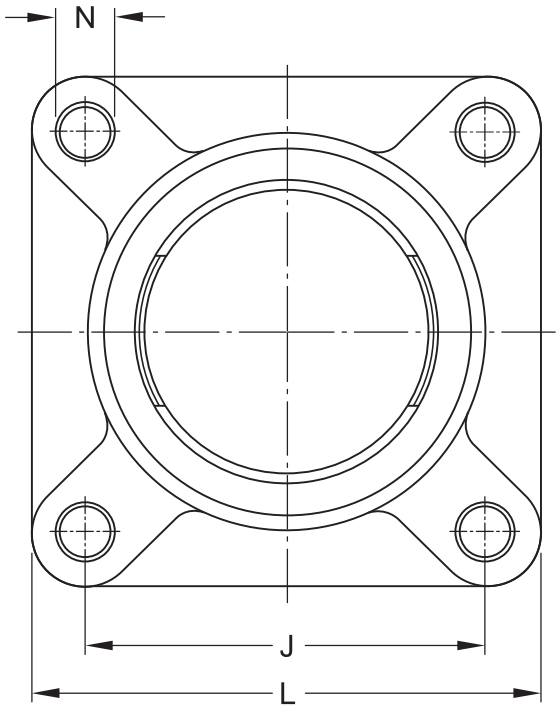
Logistics

Product net weight	0.14 kg
eClass code	23-05-08-02
UNSPSC code	31171536

Technical specification

Material	Composite





Dimensions

D_a	52 mm	Diameter of spherical seat
D_b	65 mm	Top external diameter
D_c	74.6 mm	Centring diameter
A	31 mm	Overall width
A_1	15 mm	Flange width
A_2	19 mm	Axial position of spherical seat (from support surface)
A_3	3.2 mm	Depth of centring recess
A_5	20 mm	Standout of end cover
J	70 mm	Centre distance between bolt holes
L	95 mm	Overall length
N	12.3 mm	Diameter of attachment bolt hole

Mounting information

Recommended diameter for attachment bolts, mm	G	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

Associated products

End cover	ECY 205

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 205

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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