



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

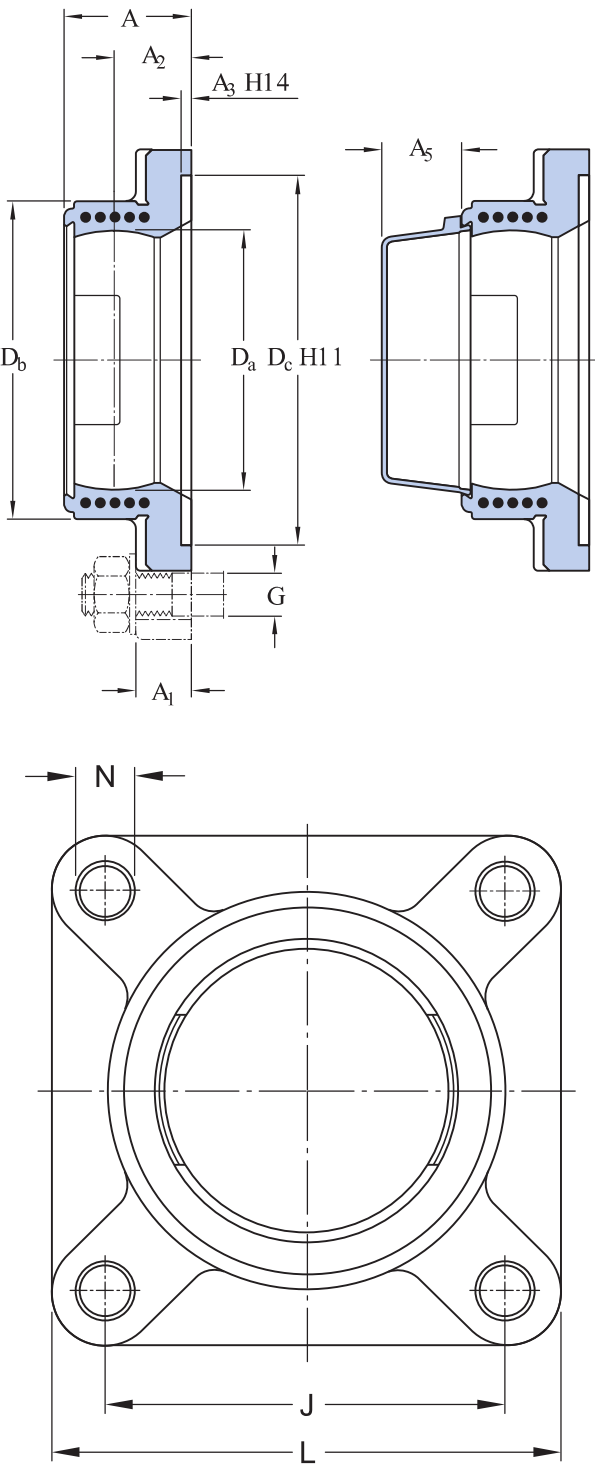
|                                    |           |
|------------------------------------|-----------|
| Housing type                       | Flanged   |
| Flanged housing type               | Square    |
| Number of bolt holes for fasteners | 4         |
| Fastening bolt hole type           | Plain     |
| 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 <sub>a</sub> | 52 mm   | Diameter of spherical seat                              |
| D <sub>b</sub> | 65 mm   | Top external diameter                                   |
| D <sub>c</sub> | 74.6 mm | Centring diameter                                       |
| A              | 31 mm   | Overall width                                           |
| A <sub>1</sub> | 15 mm   | Flange width                                            |
| A <sub>2</sub> | 19 mm   | Axial position of spherical seat (from support surface) |
| A <sub>3</sub> | 3.2 mm  | Depth of centring recess                                |
| A <sub>5</sub> | 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

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End cover for bearing units

[ECY 205](#)

More Information

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