

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

FYC 505

Round flanged housing for insert bearing, cast iron

These round flanged housings for insert bearings are made of grey cast iron and can be bolted with four bolts to a machine wall or frame. They have been developed for bearing arrangements that must operate reliably in difficult environments.

- Resist high levels of contamination
- Accommodate relatively heavy loads

Overview

Dimensions

Spherical seating diameter	52 mm
Housing overall width	27 mm
Pitch diameter of bolt holes of round and triangle flange type housing	90 mm

Properties

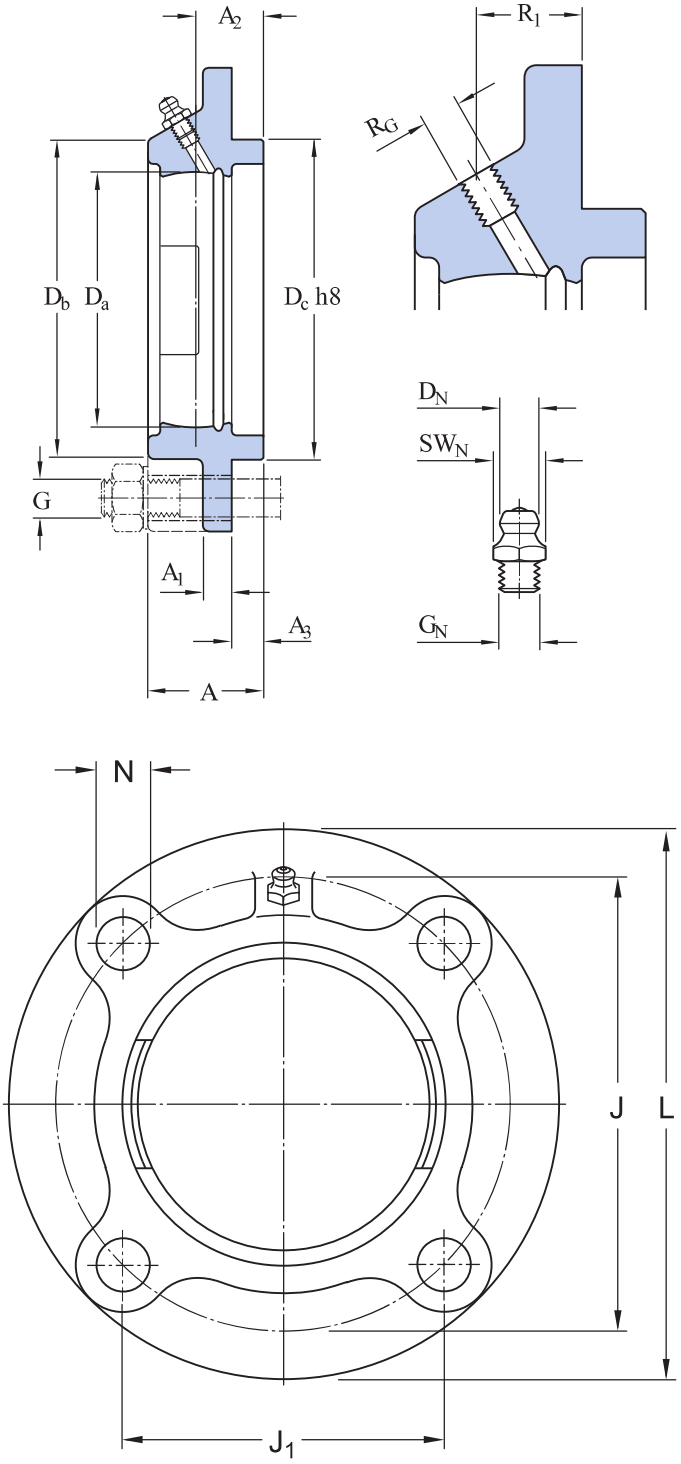
Housing type	Flanged
Flanged housing type	Round
Number of bolt holes for fasteners	4
Fastening bolt hole type	Plain
Material, housing	Cast iron
Coating	Without
Relubrication hole	With
Grease fitting	With

Logistics

Product net weight	0.741 kg
eClass code	23-05-16-02
UNSPSC code	31171536

Technical specification

Material	Cast iron



Dimensions

D_a	52 mm	Diameter of spherical seat
D_b	70 mm	External diameter
D_c	70 mm	Centring diameter
A	27 mm	Overall width
A_1	7 mm	Flange width
A_2	16 mm	Axial position of spherical seat (from support surface)
A_3	6 mm	Height of spherical seat centre
J	90	Pitch diameter of bolt holes
J_1	63.6 mm	Distance between attachment bolts
L	115 mm	Overall width
N	12 mm	Length of attachment bolt hole

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	16 mm	Axial position of the housing thread

Mounting information

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

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

- 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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