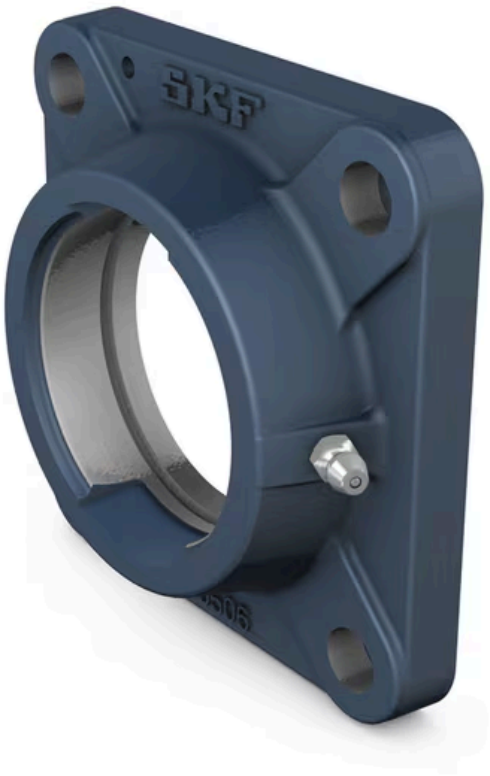


Image may differ from product. See technical specification for details.

FYJ 512

Square flanged housing for insert bearings, cast iron, JIS

These square flanged housings for insert bearings are complaint with Japanese Industrial Standards (JIS). They 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	110 mm
Housing overall width	48 mm
Centre distance between bolt holes	143 mm

Properties

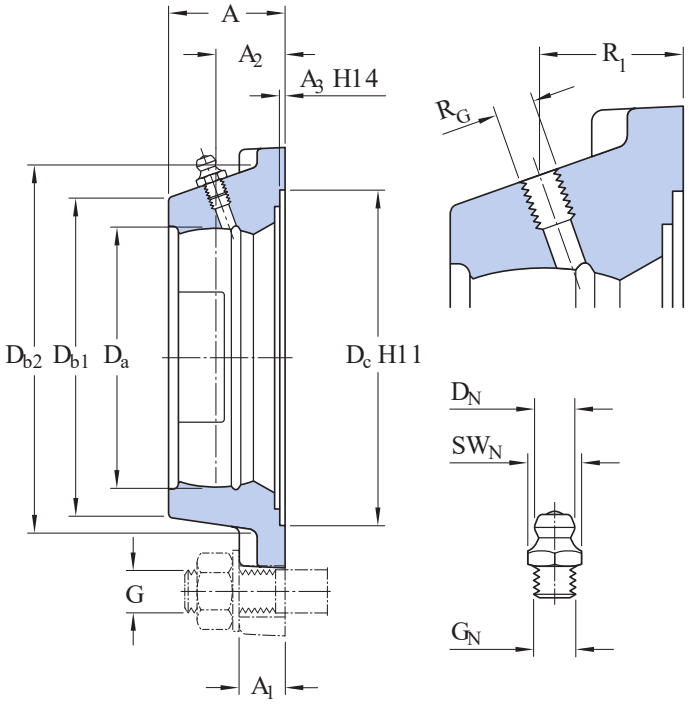
Housing type	Flanged
Flanged housing type	Square
Number of bolt holes for fasteners	4
Fastening bolt hole type	Plain
Material, housing	Cast iron
Coating	Without
Relubrication hole	With
Grease fitting	With

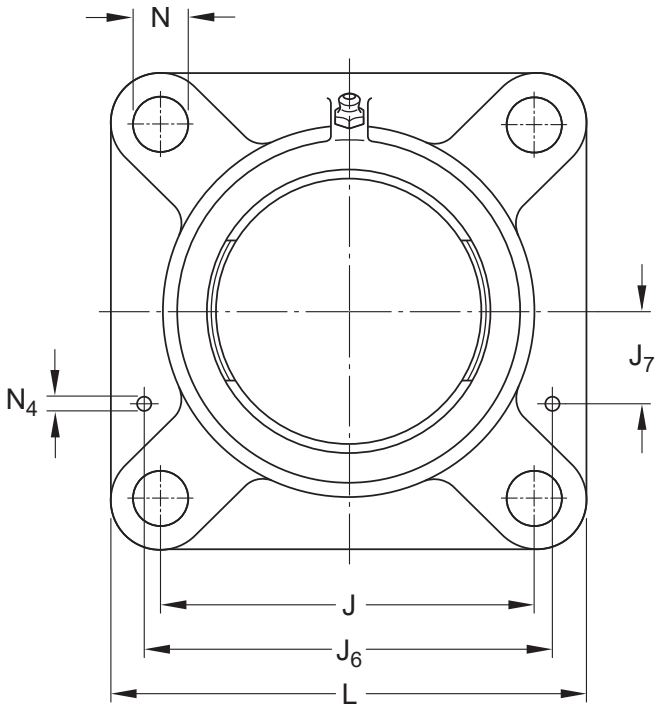
Logistics

Product net weight	2.7 kg
eClass code	23-05-16-02
UNSPSC code	31171536

Technical specification

Material	Cast iron





Dimensions

D_a	110 mm	Diameter of spherical seat

D_{b1}	140 mm	Top external diameter
D_{b2}	140 mm	Base external diameter
D_c	161.9 mm	Centring diameter
A	48 mm	Overall width
A_1	18 mm	Flange width
A_2	29 mm	Axial position of spherical seat (from support surface)
A_3	3.2 mm	Depth of centring recess
J	143 mm	Centre distance between bolt holes
L	175 mm	Overall length
N	19 mm	Diameter of attachment bolt hole

THREADED HOLE

R_G	1/4-28 UNF	Housing thread for grease fitting
R_1	28.5 mm	Axial position of the housing thread

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

DOWEL PINS

J_6	161 mm	Distance of dowel pins
J_7	49.5 mm	Axial offset of dowel pins
N_4	4 mm	Recommended diameter for dowel pins

Mounting information

Recommended diameter for attachment bolts, mm	G	16 mm
Recommended diameter for attachment bolts, inch	G	0.625 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

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