

FYJ 505 Square flanged housing for insert bearings, cast iron, JIS

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These square flanged housings for insert bearings are compliant 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	52 mm
Housing overall width	27 mm
Centre distance between bolt holes	70 mm

Properties

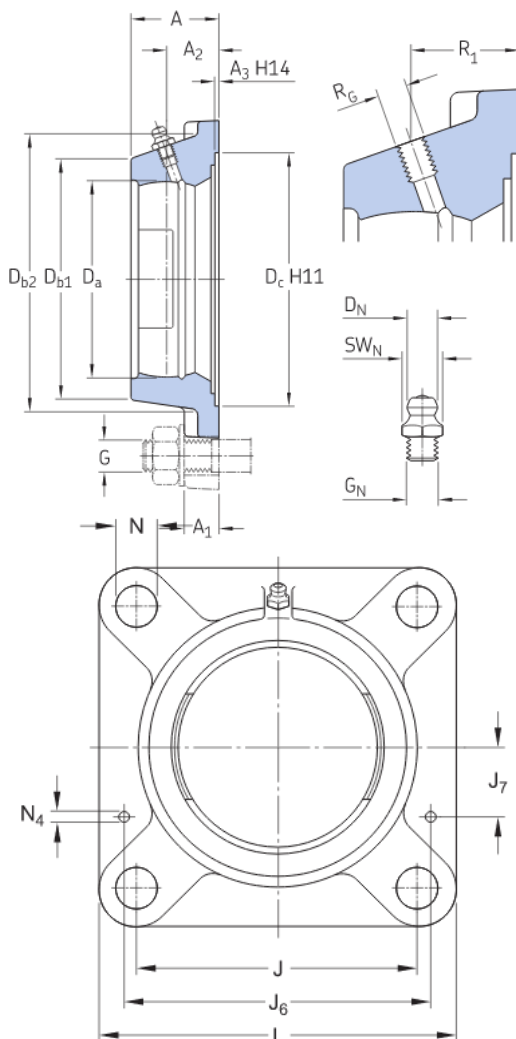
Housing type	Flanged
Flanged housing type	Square
Number of bolt holes for fasteners	4
Fastening bolt hole type	Plain
Material, housing	Cast iron
Coating	Without
Relubrication hole	With
Grease fitting	With

Technical Specification

Material

Cast iron

Dimensions



D_a	52 mm	Diameter of spherical seat
D_{b1}	66 mm	Top external diameter
D_{b2}	72 mm	Base external diameter
D_c	74.6 mm	Centring diameter
A	27 mm	Overall width
A_1	12 mm	Flange width
A_2	16 mm	Axial position of spherical seat (from support surface)
A_3	3.2 mm	Depth of centring recess
J	70 mm	Distance between attachment bolts
L	95 mm	Overall length
N	12 mm	Diameter of attachment bolt hole

Threaded hole

R_c	1/4-28 UNF	Housing thread for grease fitting
R_1	18.5 mm	Axial position of the housing thread

Grease fitting

D	6.5 mm	Diameter of head sphere of grease fitting
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S ₁ 7 mm	Hexagonal key size for the grease fitting
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G 1/4-28 SAE-LT	Thread of the grease fitting
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Dowel pins

J ₆ 83 mm	Distance of dowel pins
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J ₇ 19 mm	Axial offset of dowel pins
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N ₁ 4 mm	Recommended diameter for dowel pins
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Mass

Mass housing	0.51 kg
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Mounting information

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

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