

FYJ 515 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	130 mm
Housing overall width	53.5 mm
Centre distance between bolt holes	159 mm

Properties

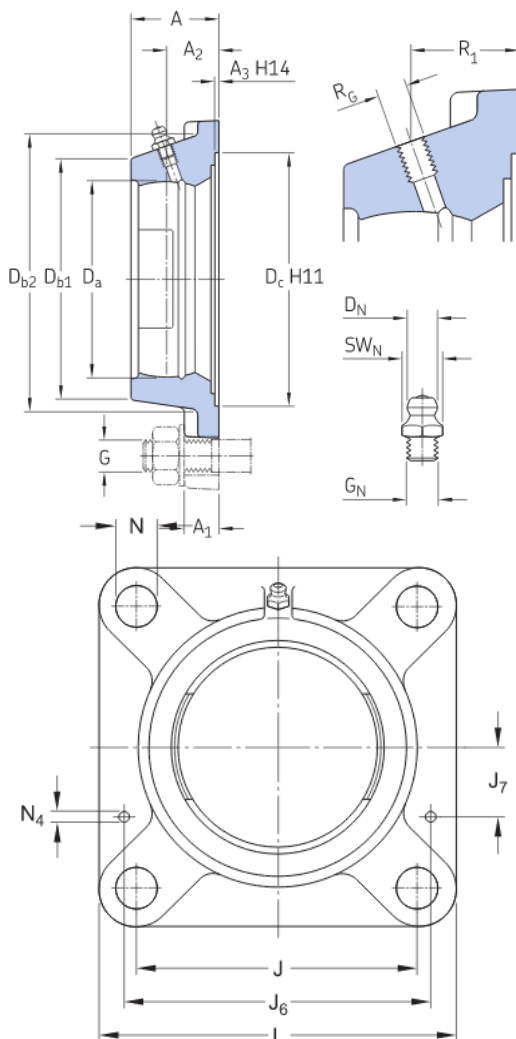
Housing type	Flanged
Flanged housing type	Square
Number of bolt holes for fasteners	4
Fastening bolt hole type	Plain
Material, housing	Cast iron
Coating	Without
Relubrication hole	With
Grease fitting	With

Technical Specification

Material

Cast iron

Dimensions



D_a	130 mm	Diameter of spherical seat
D_{b1}	154 mm	Top external diameter
D_{b2}	166 mm	Base external diameter
D_c	179.4 mm	Centring diameter
A	53.5 mm	Overall width
A_1	22 mm	Flange width
A_2	34 mm	Axial position of spherical seat (from support surface)
A_3	3.2 mm	Depth of centring recess
J	159 mm	Distance between attachment bolts
L	200 mm	Overall length
N	19 mm	Diameter of attachment bolt hole

Threaded hole

R_c	1/4-28 UNF	Housing thread for grease fitting
R_1	35 mm	Axial position of the housing thread

Grease fitting

D	6.5 mm	Diameter of head sphere of grease fitting
S'	7 mm	Hexagonal key size for the grease

fitting

G	1/4-28 SAE-LT	Thread of the grease fitting
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Dowel pins

J ₆	176 mm	Distance of dowel pins
J ₇	51.5 mm	Axial offset of dowel pins
N ₁	4 mm	Recommended diameter for dowel pins

Mass

Mass housing	4.1 kg
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Mounting information

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

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