

# FYJ 513 Square flanged housing for insert bearings, cast iron, JIS



Square flanged housing for insert bearings, cast iron, JIS

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	120 mm
Housing overall width	50 mm
Centre distance between bolt holes	149 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

$D_a$	120 mm	Diameter of spherical seat
$D_{b1}$	150 mm	Top external diameter
$D_{b2}$	152 mm	Base external diameter
$D_c$	161.9 mm	Centring diameter
A	50 mm	Overall width
$A_1$	22 mm	Flange width
$A_2$	30 mm	Axial position of spherical seat (from support surface)
$A_3$	3.2 mm	Depth of centring recess
J	149 mm	Distance between attachment bolts
L	187 mm	Overall length
N	19 mm	Diameter of attachment bolt hole

### Threaded hole

$R_G$	1/4-28 UNF	Housing thread for grease fitting
$R_1$	29.5 mm	Axial position of the housing thread

### Grease fitting

$D_N$	6.5 mm	Diameter of head sphere of grease fitting
SW	7 mm	Hexagonal key size for the grease fitting

$G_N$ 1/4-28 SAE-LT	Thread of the grease fitting
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#### Dowel pins

$J_6$ 169 mm	Distance of dowel pins
$J_7$ 50.5 mm	Axial offset of dowel pins
$N_4$ 4 mm	Recommended diameter for dowel pins

## Mass

Mass housing	3.55 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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