

# FYJ 509 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	85 mm
Housing overall width	38 mm
Centre distance between bolt holes	105 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

$D_a$	85 mm	Diameter of spherical seat
$D_{b1}$	107 mm	Top external diameter
$D_{b2}$	108 mm	Base external diameter
$D_c$	119.1 mm	Centring diameter
A	38 mm	Overall width
$A_1$	16 mm	Flange width
$A_2$	21 mm	Axial position of spherical seat (from support surface)
$A_3$	3.2 mm	Depth of centring recess
J	105 mm	Distance between attachment bolts
L	137 mm	Overall length
N	16 mm	Diameter of attachment bolt hole

### Threaded hole

$R_G$	1/4-28 UNF	Housing thread for grease fitting
$R_1$	22 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

$J_6$ 123 mm	Distance of dowel pins
$J_7$ 33.5 mm	Axial offset of dowel pins
$N_4$ 4 mm	Recommended diameter for dowel pins

## Mass

Mass housing	1.45 kg
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## Mounting information

Recommended diameter for attachment bolts, mm	G	14 mm
Recommended diameter for attachment bolts, inch	G	0.5625 in

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