

# FYTJ 510Oval flanged housing for insert bearings, cast iron, JIS



## Oval flanged housing for insert bearings, cast iron, JIS

These oval flanged housings for insert bearings are compliant with Japanese Industrial Standards (JIS). They are made of grey cast iron and can be bolted with two bolts to a machine wall or frame. They have been developed for bearing arrangements that must operate reliably in difficult environments.

- Accommodate relatively heavy loads

## Overview

## Dimensions

Spherical seating diameter	90 mm
Housing overall width	40 mm
Centre distance between bolt holes	157 mm

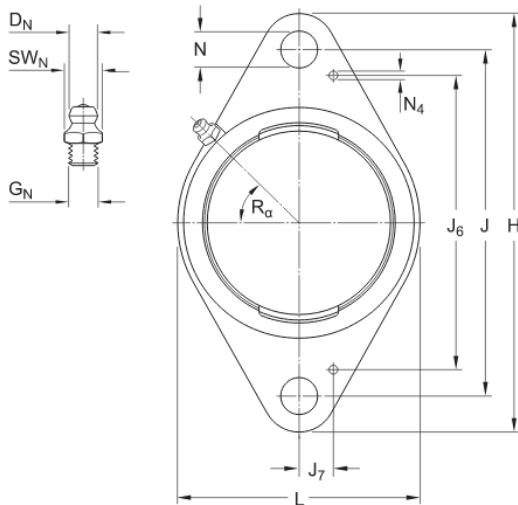
## Properties

Housing type	Flanged
Flanged housing type	Oval
Number of bolt holes for fasteners	2
Fastening bolt hole type	Plain
Material, housing	Cast iron
Coating	Without
Relubrication hole	With
Grease fitting	With

# Technical Specification

Material

Cast iron



## Dimensions

$D_a$	90 mm	Diameter of spherical seat
$D_{b1}$	107 mm	Top external diameter
$D_{b2}$	115 mm	Base external diameter
$D_c$	101.6 mm	Centering diameter
A	40 mm	Overall width
$A_1$	18 mm	Flange width
$A_2$	22 mm	Axial position of spherical seat (from support surface)
$A_3$	3.2 mm	Depth of centring recess
H	195 mm	Overall height
J	157 mm	Distance between attachment bolts
L	115 mm	Overall length
N	19 mm	Diameter of attachment bolt hole

## Threaded hole

$R_G$	1/4-28 UNF	Housing thread for grease fitting
$R_1$	23.5 mm	Axial position of the housing thread
$R_\alpha$	45 °	Angular position of the housing thread

## Grease fitting

$D_N$	6.5 mm	Diameter of head sphere of grease
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		fitting
SW	7 mm	Hexagonal key size for the grease fitting
G <sub>N</sub>	1/4-28 SAE-LT	Thread of the grease fitting

#### Dowel pins

J <sub>6</sub>	127 mm	Distance of dowel pins
J <sub>7</sub>	20 mm	Axial offset of dowel pins
N <sub>4</sub>	2 mm	Recommended diameter for dowel pins

## Mass

Mass housing	1.4 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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