

# FY 506 MSquare flanged housing for insert bearings, cast iron



## Square flanged housing for insert bearings, cast iron

These square flanged housings for insert bearings 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	62 mm
Housing overall width	32.5 mm
Centre distance between bolt holes	82.5 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

$D_a$	62 mm	Diameter of spherical seat
$D_{b1}$	76 mm	Top external diameter
$D_{b2}$	84 mm	Base external diameter
$D_c$	93.7 mm	Centring diameter
A	32.5 mm	Overall width
$A_1$	13 mm	Flange width
$A_2$	20 mm	Axial position of spherical seat (from support surface)
$A_3$	3.2 mm	Depth of centring recess
$A_5$	22.5 mm	Standout of end cover
J	82.5 mm	Distance between attachment bolts
L	108 mm	Overall length
N	11.5 mm	Diameter of attachment bolt hole

### Threaded hole

$R_G$	1/4-28 UNF	Housing thread for grease fitting
$R_1$	21 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

#### Dowel pins

$J_6$	96 mm	Distance of dowel pins
$J_7$	24.5 mm	Axial offset of dowel pins
$N_4$	4 mm	Recommended diameter for dowel pins

## Mass

Mass housing	0.73 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

## Associated products

End cover	ECY 206
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