

# FY 510 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	90 mm
Housing overall width	43 mm
Centre distance between bolt holes	111 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

$D_a$	90 mm	Diameter of spherical seat
$D_{b1}$	107 mm	Top external diameter
$D_{b2}$	118 mm	Base external diameter
$D_c$	125.4 mm	Centring diameter
A	43 mm	Overall width
$A_1$	15 mm	Flange width
$A_2$	28 mm	Axial position of spherical seat (from support surface)
$A_3$	3.2 mm	Depth of centring recess
$A_5$	33 mm	Standout of end cover
J	111 mm	Distance between attachment bolts
L	143 mm	Overall length
N	18 mm	Diameter of attachment bolt hole

### Threaded hole

$R_G$	1/4-28 UNF	Housing thread for grease fitting
$R_1$	28.5 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

$J_6$ 129 mm	Distance of dowel pins
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$J_7$ 35.5 mm	Axial offset of dowel pins
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$N_4$ 4 mm	Recommended diameter for dowel pins
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## Mass

Mass housing	1.5 kg
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## Mounting information

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

End cover	ECY 210
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