

FY 504 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 | 47 mm |
| Housing overall width | 29.5 mm |
| Centre distance between bolt holes | 63.5 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 | 47 mm | Diameter of spherical seat |
| D_{b1} | 57 mm | Top external diameter |
| D_{b2} | 63 mm | Base external diameter |
| D_c | 68.3 mm | Centring diameter |
| A | 29.5 mm | Overall width |
| A_1 | 11 mm | Flange width |
| A_2 | 19 mm | Axial position of spherical seat (from support surface) |
| A_3 | 3.2 mm | Depth of centring recess |
| A_5 | 20.5 mm | Standout of end cover |
| J | 63.5 mm | Distance between attachment bolts |
| L | 86 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 | 20.5 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 |

Dowel pins

| | | |
|-------|-------|-------------------------------------|
| J_6 | 74 mm | Distance of dowel pins |
| J_7 | 16 mm | Axial offset of dowel pins |
| N_4 | 4 mm | Recommended diameter for dowel pins |

Mass

| | |
|--------------|---------|
| Mass housing | 0.39 kg |
|--------------|---------|

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 204 |
|-----------|---------|

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