



## SKF FY 512 M

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.

### Technical specifications

| General                                                 |               |
|---------------------------------------------------------|---------------|
| Material                                                | Cast iron     |
| Dimensions                                              |               |
| Diameter of spherical seat                              | 110 mm        |
| Top external diameter                                   | 130 mm        |
| Base external diameter                                  | 143 mm        |
| Centring diameter                                       | 161.9 mm      |
| Overall width                                           | 52 mm         |
| Flange width                                            | 17 mm         |
| Axial position of spherical seat (from support surface) | 34 mm         |
| Depth of centring recess                                | 3.2 mm        |
| Standout of end cover                                   | 39 mm         |
| Centre distance between bolt holes                      | 143 mm        |
| Overall length                                          | 175 mm        |
| Diameter of attachment bolt hole                        | 18 mm         |
| Housing thread for grease fitting                       | 1/4-28 UNF    |
| Axial position of the housing thread                    | 34.5 mm       |
| Diameter of head sphere of grease fitting               | 6.5 mm        |
| Hexagonal key size for the grease fitting               | 7 mm          |
| Thread of the grease fitting                            | 1/4-28 SAE-LT |
| Distance of dowel pins                                  | 161 mm        |
| Axial offset of dowel pins                              | 49.5 mm       |
| Recommended diameter for dowel pins                     | 4 mm          |
| Spherical seating diameter                              | 110 mm        |
| Housing overall width                                   | 52 mm         |
| Mounting information                                    |               |
| Recommended diameter for attachment bolts, mm           | 16 mm         |
| Recommended diameter for attachment bolts, inch         | 0.625 in      |
| Associated products                                     |               |
| End cover                                               | ECY 212       |
| 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          |
| Logistics                                               |               |
| Product net weight                                      | 2.58 kg       |
| eClass code                                             | 23-05-08-02   |
| UNSPSC code                                             | 31171536      |

**SKF drawings**

