

**GIR50-DO-2RS**

## Rod end



Rod end with internal thread, right hand thread, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-4, dimension series E, type F, sealed

## Technical information



## Your current product variant

|                           |   |                           |
|---------------------------|---|---------------------------|
| Clampable                 | Not clampable                           |                           |
| Maintenance               | Maintenance required                    |                           |
| Lubrication nipple        | DIN71412-AS6<br>(tapered grease nipple) |                           |
| Slotted                   | No                                      |                           |
| Thread Pitch              | Right-hand thread                       |                           |
| Sealing                   | 2RS                                     | Lip seals on both sides   |
| Mounting                  | Internal thread                         |                           |
| Radial internal clearance | CN (Group N)                            | Normal internal clearance |

## Main Dimensions &amp; Performance Data

|             |              |                                   |
|-------------|--------------|-----------------------------------|
| d           | 50 mm        | Bore diameter bearing             |
| D           | 75 mm        | Outside diameter bearing          |
| B           | 35 mm        | Width inner ring                  |
| $C_r$       | 204.000 N    | Basic dynamic load rating, radial |
| $C_{0r}$    | 314.000 N    | Basic static load rating, radial  |
| $G_r$       | 0,043 - 0,12 | Radial Clearance                  |
| $\approx m$ | 3,532 kg     | Weight                            |



## Dimensions

|                    |           |  |
|--------------------|-----------|--|
| d <sub>K</sub>     | 66 mm     | Ball diameter                          |
| d <sub>1</sub>     | 55,9 mm   | Outer flange diameter inner ring       |
| d <sub>2</sub>     | 112 mm    | Outer eye diameter                     |
| d <sub>3</sub>     | M45x3     | Thread size                            |
| d <sub>4</sub>     | 62 mm     | Shank diameter                         |
| h <sub>1</sub>     | 160 mm    | Shank Length Internal thread head      |
| C <sub>1</sub>     | 30 mm     | Width of the rod end                   |
| α                  | 6 °       | Tilt angle                             |
| l <sub>3</sub>     | 68 mm     | Thread length Internal thread          |
| l <sub>4</sub>     | 216 mm    | Total length internal thread head      |
| l <sub>5</sub>     | 20 mm     | Length rod end shank                   |
| l <sub>7</sub>     | 60 mm     | Distance drilling with/shaft start     |
| d <sub>5</sub>     | 75 mm     | Shank diameter, large                  |
| r <sub>1smin</sub> | 0,6 mm    | Edge Spacing                           |
| W                  | 65 mm     | Width Across Flat                      |
| d <sub>OT</sub>    | 0 mm      | Bore diameter bearing, upper tolerance |
| d <sub>UT</sub>    | -0,012 mm | Bore diameter bearing, lower tolerance |
| B <sub>OT</sub>    | 0 mm      | Width inner ring, upper tolerance      |
| B <sub>UT</sub>    | -0,12 mm  | Width inner ring, lower tolerance      |
| G <sub>rmax</sub>  | 0,12 mm   | Radial clearance, maximum              |
| G <sub>rmin</sub>  | 0,043 mm  | Radial clearance, minimum              |

## Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 130 °C | Operating temperature max. |



### Characteristics

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Radial load



Grease Lubrication



Sealed on both sides



Static angular error and misalignment



Dynamic angular error and misalignment