

**GAR50-DO-2RS**

## Rod end



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

## Technical information



## Your current product variant

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

## Main Dimensions &amp; Performance Data

|             |           |                                   |
|-------------|-----------|-----------------------------------|
| $C_r$       | 204.000 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 314.000 N | Basic static load rating, radial  |
| d           | 50 mm     | Bore diameter bearing             |
| D           | 75 mm     | Outside diameter bearing          |
| $l_2$       | 241 mm    | Total length external thread head |
| B           | 35 mm     | Width inner ring                  |
| $d_2$       | 112 mm    | Outer eye diameter                |
| $\approx m$ | 3,503 kg  | Weight                            |



### Mounting dimensions

|                    |         |                                  |
|--------------------|---------|----------------------------------|
| d <sub>1</sub>     | 55,9 mm | Outer flange diameter inner ring |
| r <sub>1smin</sub> | 0,6 mm  | Edge Spacing                     |

### Dimensions

|                   |              |  |
|-------------------|--------------|--|
| d <sub>K</sub>    | 66 mm        | Ball diameter                          |
| d <sub>3</sub>    | M45x3        | Thread size                            |
| h                 | 185 mm       | Shank Length External thread rod       |
| C <sub>1</sub>    | 30 mm        | Width of the rod end                   |
| α                 | 6 °          | Tilt angle                             |
| l <sub>1</sub>    | 107 mm       | Shank Length External thread head      |
| l <sub>7</sub>    | 60 mm        | Distance drilling with/shaft start     |
| 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>r</sub>    | 0,043 - 0,12 | Radial Clearance                       |
| 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



Axial load in one direction



Axial load in two directions



Grease Lubrication



Sealed on both sides



Static angular error and misalignment



Dynamic angular error and misalignment