

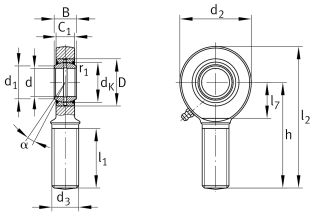
**GAR12-DO** [↗](#)

## 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, open

## Technical information

**Your current product variant**

|                           |                        |                           |
|---------------------------|------------------------|---------------------------|
| Clampable                 | Not clampable          |                           |
| Maintenance               | Maintenance required   |                           |
| Lubrication nipple        | Cannot be relubricated |                           |
| Slotted                   | No                     |                           |
| Thread Pitch              | Right-hand thread      |                           |
| Sealing                   | Without                |                           |
| Radial internal clearance | CN (Group N)           | Normal internal clearance |
| Mounting                  | External thread        |                           |

**Main Dimensions & Performance Data**

|             |          |                                   |
|-------------|----------|-----------------------------------|
| $C_r$       | 13.900 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 30.200 N | Basic static load rating, radial  |
| d           | 12 mm    | Bore diameter bearing             |
| D           | 22 mm    | Outside diameter bearing          |
| $l_2$       | 71 mm    | Total length external thread head |
| B           | 10 mm    | Width inner ring                  |
| $d_2$       | 34 mm    | Outer eye diameter                |
| $\approx m$ | 77,5 g   | Weight                            |



### Mounting dimensions

|                    |         |                                  |
|--------------------|---------|----------------------------------|
| d <sub>1</sub>     | 14,9 mm | Outer flange diameter inner ring |
| r <sub>1smin</sub> | 0,3 mm  | Edge Spacing                     |

### Dimensions

|                   |               |  |
|-------------------|---------------|--|
| d <sub>K</sub>    | 18 mm         | Ball diameter                          |
| d <sub>3</sub>    | M12           | Thread size                            |
| h                 | 54 mm         | Shank Length External thread rod       |
| C <sub>1</sub>    | 8 mm          | Width of the rod end                   |
| α                 | 11 °          | Tilt angle                             |
| l <sub>1</sub>    | 28 mm         | Shank Length External thread head      |
| l <sub>7</sub>    | 18 mm         | Distance drilling with/shaft start     |
| d <sub>OT</sub>   | 0 mm          | Bore diameter bearing, upper tolerance |
| d <sub>UT</sub>   | -0,008 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>    | 0,023 - 0,068 | Radial Clearance                       |
| G <sub>rmax</sub> | 0,068 mm      | Radial clearance, maximum              |
| G <sub>rmin</sub> | 0,023 mm      | Radial clearance, minimum              |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -60 °C | Operating temperature min. |
| T <sub>max</sub> | 200 °C | Operating temperature max. |



### Characteristics

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Radial load



Grease Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment