

**GIHRK40-DO** [↗](#)

## Rod end

Hydraulic rod end, with thread clamping device, right hand thread, requiring maintenance, sliding contact surface: steel/steel, open design

## Technical information

**Your current product variant**

|                           |   |
|---------------------------|---|
| Clampable                 | Clampable                                   |
| Maintenance               | Maintenance required                        |
| Lubrication nipple        | DIN71412-AM6 (tapered grease nipple)        |
| Slotted                   | Slotted, both sides                         |
| Thread Pitch              | Right-hand thread                           |
| Sealing                   | Without                                     |
| Radial internal clearance | CN (Group N)      Normal internal clearance |
| Mounting                  | Internal thread                             |

**Main Dimensions & Performance Data**

|          |           |                                   |
|----------|-----------|-----------------------------------|
| $C_r$    | 129.000 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 228.000 N | Basic static load rating, radial  |
| d        | 40 mm     | Bore diameter bearing             |
| $d_2$    | 94 mm     | Outer eye diameter                |
| $l_4$    | 135 mm    | Total length internal thread head |
| D        | 62 mm     | Outside diameter bearing          |
| B        | 28 mm     | Width inner ring                  |
| ≈m       | 2,1 kg    | Weight                            |



## Dimensions

|                   |                 |  |
|-------------------|-----------------|--|
| $\alpha$          | 7 °             | Tilt angle                             |
| C <sub>1</sub>    | 35 mm           | Width of the rod end                   |
| d <sub>K</sub>    | 53 mm           | Ball diameter                          |
| d <sub>3</sub>    | M35x1,5         | Thread size                            |
| d <sub>4</sub>    | 49 mm           | Shank diameter                         |
| d <sub>5</sub>    | 76 mm           | Shank diameter, large                  |
| d <sub>7</sub>    | M10x35          | Diameter screw clamp                   |
| h <sub>1</sub>    | 85 mm           | Shank Length Internal thread head      |
| l <sub>3</sub>    | 36 mm           | Thread length Internal thread          |
| l <sub>7</sub>    | 45 mm           | Distance drilling with/shaft start     |
| d <sub>UT</sub>   | -0,012 mm       | Bore diameter bearing, lower tolerance |
| d <sub>T</sub>    | 0,012           | Bore diameter bearing, tolerance       |
| d <sub>OT</sub>   | 0 mm            | Bore diameter bearing, upper tolerance |
| B <sub>UT</sub>   | -0,12 mm        | Width inner ring, lower tolerance      |
| B <sub>OT</sub>   | 0 mm            | Width inner ring, upper tolerance      |
| M <sub>A</sub>    | 64 Nm           | Tightening torque                      |
| G <sub>r</sub>    | 0,030 - 0,12 mm | Radial Clearance                       |
| G <sub>rmin</sub> | 0,03 mm         | Radial clearance, minimum              |
| G <sub>rmax</sub> | 0,12 mm         | Radial clearance, maximum              |

## Mounting dimensions

|                    |        |                                  |
|--------------------|--------|----------------------------------|
| r <sub>1smin</sub> | 0,6 mm | Edge Spacing                     |
| d <sub>1</sub>     | 45 mm  | Outer flange diameter inner ring |

## 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



Axial load in one direction



Axial load in two directions



Grease Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment