

**GIHRK35-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                 |                           |
| Mounting                  | Internal thread                      |                           |
| 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 |

## Main Dimensions &amp; Performance Data

|             |           |                                   |
|-------------|-----------|-----------------------------------|
| $C_r$       | 104.000 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 140.000 N | Basic static load rating, radial  |
| $d$         | 35 mm     | Bore diameter bearing             |
| $d_2$       | 78 mm     | Outer eye diameter                |
| $l_4$       | 112 mm    | Total length internal thread head |
| $D$         | 55 mm     | Outside diameter bearing          |
| $B$         | 25 mm     | Width inner ring                  |
| $\approx m$ | 1,25 kg   | Weight                            |



## Dimensions

|                   |           |  |
|-------------------|-----------|--|
| $\alpha$          | 6 °       | Tilt angle                             |
| C <sub>1</sub>    | 30 mm     | Width of the rod end                   |
| d <sub>K</sub>    | 47 mm     | Ball diameter                          |
| d <sub>3</sub>    | M28x1,5   | Thread size                            |
| d <sub>4</sub>    | 40 mm     | Shank diameter                         |
| d <sub>5</sub>    | 66 mm     | Shank diameter, large                  |
| d <sub>7</sub>    | M10x30    | Diameter screw clamp                   |
| h <sub>1</sub>    | 70 mm     | Shank Length Internal thread head      |
| l <sub>3</sub>    | 29 mm     | Thread length Internal thread          |
| l <sub>7</sub>    | 38 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>    | CN        | Radial Clearance                       |
| G <sub>rmin</sub> | 0,037 mm  | Radial clearance, minimum              |
| G <sub>rmax</sub> | 0,1 mm    | Radial clearance, maximum              |

## Mounting dimensions

|                    |         |                                  |
|--------------------|---------|----------------------------------|
| r <sub>1smin</sub> | 0,6 mm  | Edge Spacing                     |
| d <sub>1</sub>     | 39,8 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