

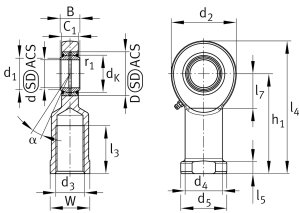
**GIR80-DO-2RS**

## 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                 |                           |
| Mounting                  | Internal 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 & Performance Data**

|                 |                  |                                   |
|-----------------|------------------|-----------------------------------|
| d               | 80 mm            | Bore diameter bearing             |
| D               | 120 mm           | Outside diameter bearing          |
| B               | 55 mm            | Width inner ring                  |
| C <sub>r</sub>  | 522.000 N        | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 667.000 N        | Basic static load rating, radial  |
| G <sub>r</sub>  | 0,055 - 0,142 mm | Radial Clearance                  |
| ≈m              | 13,4 kg          | Weight                            |



## Dimensions

|                    |           |  |
|--------------------|-----------|--|
| d <sub>K</sub>     | 105 mm    | Ball diameter                          |
| d <sub>1</sub>     | 89,4 mm   | Outer flange diameter inner ring       |
| d <sub>2</sub>     | 180 mm    | Outer eye diameter                     |
| d <sub>3</sub>     | M64x4     | Thread size                            |
| d <sub>4</sub>     | 95 mm     | Shank diameter                         |
| h <sub>1</sub>     | 230 mm    | Shank Length Internal thread head      |
| C <sub>1</sub>     | 47 mm     | Width of the rod end                   |
| α                  | 6 °       | Tilt angle                             |
| l <sub>3</sub>     | 85 mm     | Thread length Internal thread          |
| l <sub>4</sub>     | 320 mm    | Total length internal thread head      |
| l <sub>5</sub>     | 25 mm     | Length rod end shank                   |
| l <sub>7</sub>     | 100 mm    | Distance drilling with/shaft start     |
| d <sub>5</sub>     | 110 mm    | Shank diameter, large                  |
| r <sub>1smin</sub> | 1 mm      | Edge Spacing                           |
| W                  | 100 mm    | Width Across Flat                      |
| d <sub>OT</sub>    | 0 mm      | Bore diameter bearing, upper tolerance |
| d <sub>UT</sub>    | -0,015 mm | Bore diameter bearing, lower tolerance |
| B <sub>OT</sub>    | 0 mm      | Width inner ring, upper tolerance      |
| B <sub>UT</sub>    | -0,15 mm  | Width inner ring, lower tolerance      |
| G <sub>rmax</sub>  | 0,142 mm  | Radial clearance, maximum              |
| G <sub>rmin</sub>  | 0,055 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