

**GIHRK120-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, one side |
| Thread Pitch | Right-hand thread |
| Type of Seal | Without |
| Radial internal clearance | CN (Group N) Normal internal clearance |
| Mounting | Internal thread |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| C_r | 1.240.000 N | Basic dynamic load rating, radial |
| C_{0r} | 2.900.000 N | Basic static load rating, radial |
| d | 120 mm | Bore diameter bearing |
| d_2 | 340 mm | Outer eye diameter |
| l_4 | 490 mm | Total length internal thread head |
| D | 180 mm | Outside diameter bearing |
| B | 85 mm | Width inner ring |
| ≈m | 77,7 kg | Weight |



Dimensions

| | | |
|-------------------|----------|--|
| α | 6 ° | Tilt angle |
| C ₁ | 90 mm | Width of the rod end |
| C ₂ | 84 mm | Width |
| d _K | 160 mm | Ball diameter |
| d ₃ | M130x3 | Thread size |
| d ₄ | 172 mm | Shank diameter |
| d ₅ | 257 mm | Shank diameter, large |
| d ₇ | M24x80 | Diameter screw clamp |
| h ₁ | 310 mm | Shank Length Internal thread head |
| l ₃ | 135 mm | Thread length Internal thread |
| l ₇ | 140 mm | Distance drilling with/shaft start |
| d _{UT} | -0,02 mm | Bore diameter bearing, lower tolerance |
| d _T | 0,02 | Bore diameter bearing, tolerance |
| d _{OT} | 0 mm | Bore diameter bearing, upper tolerance |
| B _{UT} | -0,2 mm | Width inner ring, lower tolerance |
| B _{OT} | 0 mm | Width inner ring, upper tolerance |
| M _A | 660 Nm | Tightening torque |
| G _r | CN | Radial Clearance |
| G _{rmin} | 0,065 mm | Radial clearance, minimum |
| G _{rmax} | 0,165 mm | Radial clearance, maximum |

Mounting dimensions

| | | |
|--------------------|----------|----------------------------------|
| r _{1smin} | 1 mm | Edge Spacing |
| d ₁ | 135,6 mm | Outer flange diameter inner ring |

Temperature range

| | | |
|------------------|--------|----------------------------|
| T _{min} | -60 °C | Operating temperature min. |
| T _{max} | 200 °C | Operating temperature max. |



Characteristics



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