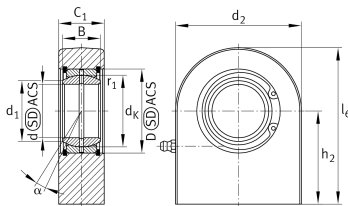


**GF50-DO**

Rod end

Hydraulic rod end, with rectangular welding face, requiring maintenance, sliding contact surface: steel/steel, open design

Technical information



Your current product variant

| | |
|--------------------|--------------------------------------|
| Clampable | Not clampable |
| Maintenance | Maintenance required |
| Mounting | Weldable, rectangular |
| Lubrication nipple | DIN71412-AM6 (tapered grease nipple) |
| Slotted | No |
| Type of Seal | Without |

Main Dimensions & Performance Data

| | | |
|-------------|-----------|-----------------------------------|
| C_r | 204.000 N | Basic dynamic load rating, radial |
| C_{0r} | 442.000 N | Basic static load rating, radial |
| d | 50 mm | Bore diameter bearing |
| d_2 | 123 mm | Outer eye diameter |
| l_6 | 149,5 mm | Total length welding head |
| D | 75 mm | Outside diameter bearing |
| B | 35 mm | Width inner ring |
| $\approx m$ | 4,32 kg | Weight |



Dimensions

| | | |
|--------------|------------|--|
| d_K | 66 mm | Ball diameter |
| α | 6 ° | Tilt angle |
| C_1 | 40 mm | Width of the rod end |
| $C_{1 \max}$ | 40,9 mm | Width of the rod end, max. |
| h_2 | 88 mm | Shank Length Welding Head |
| d_{UT} | -0,012 mm | Bore diameter bearing, lower tolerance |
| d_{OT} | 0 mm | Bore diameter bearing, upper tolerance |
| B_{UT} | -0,12 mm | Width inner ring, lower tolerance |
| B_{OT} | 0 mm | Width inner ring, upper tolerance |
| G_r | 0,043-0,12 | Radial Clearance |
| $G_{r\max}$ | 0,12 mm | Radial clearance, maximum |
| $G_{r\min}$ | 0,043 mm | Radial clearance, minimum |

Mounting dimensions

| | | |
|-------------|--------|----------------------------------|
| $r_{1\min}$ | 0,6 mm | Edge Spacing |
| d_1 | 56 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