

**GF45-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                                   |
| Sealing            | Without                              |

## Main Dimensions &amp; Performance Data

|             |           |                                   |
|-------------|-----------|-----------------------------------|
| $C_r$       | 166.000 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 386.000 N | Basic static load rating, radial  |
| $d$         | 45 mm     | Bore diameter bearing             |
| $d_2$       | 110 mm    | Outer eye diameter                |
| $l_6$       | 132 mm    | Total length welding head         |
| $D$         | 68 mm     | Outside diameter bearing          |
| $B$         | 32 mm     | Width inner ring                  |
| $\approx m$ | 3,33 kg   | Weight                            |



## Dimensions

|              |            |  |
|--------------|------------|--|
| $d_K$        | 60 mm      | Ball diameter                          |
| $\alpha$     | 7 °        | Tilt angle                             |
| $C_1$        | 40 mm      | Width of the rod end                   |
| $C_{1 \max}$ | 40,9 mm    | Width of the rod end, max.             |
| $h_2$        | 77 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                     |
| $d_1$       | 50,8 mm | Outer flange diameter inner ring |

## Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -60 °C | Operating temperature min. |
| $T_{\max}$ | 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