

**GF70-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
Lubrication nipple	DIN71412-AM6 (tapered grease nipple)
Slotted	No
Sealing	Without
Mounting	Weldable, rectangular

**Main Dimensions & Performance Data**

$C_r$	407.000 N	Basic dynamic load rating, radial
$C_{0r}$	725.000 N	Basic static load rating, radial
$d$	70 mm	Bore diameter bearing
$d_2$	164 mm	Outer eye diameter
$l_6$	197 mm	Total length welding head
$D$	105 mm	Outside diameter bearing
$B$	49 mm	Width inner ring
$\approx m$	10,3 kg	Weight



## Dimensions

$d_K$	92 mm	Ball diameter
$\alpha$	6 °	Tilt angle
$C_1$	55 mm	Width of the rod end
$C_{1\max}$	56 mm	Width of the rod end, max.
$h_2$	115 mm	Shank Length Welding Head
$d_{UT}$	-0,015 mm	Bore diameter bearing, lower tolerance
$d_{OT}$	0 mm	Bore diameter bearing, upper tolerance
$B_{UT}$	-0,15 mm	Width inner ring, lower tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$G_r$	0,055-0,142	Radial Clearance
$G_{r\max}$	0,142 mm	Radial clearance, maximum
$G_{r\min}$	0,055 mm	Radial clearance, minimum

## Mounting dimensions

$r_{1\min}$	1 mm	Edge Spacing
$d_1$	77,9 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