

**GF120-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 & Performance Data**

$C_r$	1.240.000 N	Basic dynamic load rating, radial
$C_{0r}$	2.320.000 N	Basic static load rating, radial
$d$	120 mm	Bore diameter bearing
$d_2$	360 mm	Outer eye diameter
$l_6$	390 mm	Total length welding head
$D$	180 mm	Outside diameter bearing
$B$	85 mm	Width inner ring
$\approx m$	79,6 kg	Weight



## Dimensions

$d_K$	160 mm	Ball diameter
$\alpha$	6 °	Tilt angle
$C_1$	90 mm	Width of the rod end
$C_{1\max}$	92 mm	Width of the rod end, max.
$h_2$	210 mm	Shank Length Welding Head
$d_{UT}$	-0,02 mm	Bore diameter bearing, lower 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
$G_r$	0,065-0,165	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
$d_1$	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

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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