

**GK70-DO**

## Rod end

Hydraulic rod end according to ISO24652 and DIN ISO 12240-4, dimension series E, form S with circular weld end, maintenance required, sliding pair steel/steel, open

## Technical information

**Your current product variant**

Clampable	Not clampable
Maintenance	Maintenance required
Mounting	Weldable, round
Lubrication nipple	DIN71412-AS6 (tapered grease nipple)
Slotted	No

**Main Dimensions & Performance Data**

$C_r$	407.000 N	Basic dynamic load rating, radial
$C_{0r}$	511.000 N	Basic static load rating, radial
d	70 mm	Bore diameter bearing
$d_2$	160 mm	Outer eye diameter
$l_6$	195 mm	Total length welding head
D	105 mm	Outside diameter bearing
B	49 mm	Width inner ring,
$\approx m$	7 kg	Weight



## Dimensions

$\alpha$	6 °	Tilt angle
C <sub>1</sub>	42 mm	Width of the rod end
d <sub>K</sub>	92 mm	Ball diameter
d <sub>6</sub>	80 mm	Welding Shank Diameter
d <sub>7</sub>	6 mm	Centering pin diameter
h <sub>2</sub>	115 mm	Shank Length Welding Head
l <sub>7</sub>	85 mm	Distance drilling with/shaft start
l <sub>8</sub>	5 mm	Chamfer
d <sub>UT</sub>	-0,015 mm	Bore diameter bearing, lower tolerance
d <sub>OT</sub>	0 mm	Bore diameter bearing, upper tolerance
B <sub>UT</sub>	-0,15 mm	Width inner ring, lower tolerance
B <sub>OT</sub>	0 mm	Width inner ring, upper tolerance
G <sub>rmax</sub>	0,142 mm	Radial clearance, maximum
G <sub>rmin</sub>	0,055 mm	Radial clearance, minimum
G <sub>r</sub>	0,055 - 0,142 mm	Radial Clearance

## Mounting dimensions

r <sub>1smin</sub>	1 mm	Edge Spacing
d <sub>1</sub>	77,9 mm	Outer flange diameter inner ring

## Temperature range

T <sub>min</sub>	-60 °C	Operating temperature min.
T <sub>max</sub>	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