

**GIL30-DO**

## Rod end



Rod end with internal thread, left hand thread, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-4, dimension series E, type F, open design

## Technical information



## Your current product variant

Clampable	Not clampable
Maintenance	Maintenance required
Mounting	Internal thread
Lubrication nipple	DIN71412-AS6 (tapered grease nipple)
Slotted	No
Thread Pitch	Left-hand thread
Type of Sealing	Without
Radial internal clearance	CN (Group N)      Normal internal clearance

## Main Dimensions &amp; Performance Data

d	30 mm	Bore diameter bearing
D	47 mm	Outside diameter bearing
B	22 mm	Width inner ring
C <sub>r</sub>	81.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	119.000 N	Basic static load rating, radial
G <sub>r</sub>	0,037 - 0,1	Radial Clearance
≈m	0,929 kg	Weight



## Dimensions

d <sub>K</sub>	40,7 mm	Ball diameter
d <sub>1</sub>	34,2 mm	Outer flange diameter inner ring
d <sub>2</sub>	73 mm	Outer eye diameter
d <sub>3</sub>	M30x2	Thread size
d <sub>4</sub>	40 mm	Shank diameter
h <sub>1</sub>	110 mm	Shank Length Internal thread head
C <sub>1</sub>	19 mm	Width of the rod end
α	6 °	Tilt angle
l <sub>3</sub>	56 mm	Thread length Internal thread
l <sub>4</sub>	146,5 mm	Total length internal thread head
l <sub>5</sub>	15 mm	Length rod end shank
l <sub>7</sub>	37 mm	Distance drilling with/shaft start
d <sub>5</sub>	50 mm	Shank diameter, large
r <sub>1smin</sub>	0,6 mm	Edge Spacing
W	41 mm	Width Across Flat
d <sub>OT</sub>	0 mm	Bore diameter bearing, upper tolerance
d <sub>UT</sub>	-0,01 mm	Bore diameter bearing, lower tolerance
B <sub>OT</sub>	0 mm	Width inner ring, upper tolerance
B <sub>UT</sub>	-0,12 mm	Width inner ring, lower tolerance
G <sub>rmax</sub>	0,1 mm	Radial clearance, maximum
G <sub>rmin</sub>	0,037 mm	Radial clearance, minimum

## Temperature range

T <sub>min</sub>	-50 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.



### Characteristics

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Radial load



Grease Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment