

**GAR30-DO-2RS**

## Rod end



Rod end with external thread, right hand thread, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-4, dimension series E, type M, sealed design

## Technical information



## Your current product variant

Clampable	Not clampable	
Maintenance	Maintenance required	
Mounting	External thread	
Lubrication nipple	DIN71412-AS6 (tapered grease nipple)	
Slotted	No	
Thread Pitch	Right-hand thread	
Type of Sealing	2RS	Lip seals on both sides
Radial internal clearance	CN (Group N)	Normal internal clearance

## Main Dimensions &amp; Performance Data

$C_r$	81.000 N	Basic dynamic load rating, radial
$C_{0r}$	119.000 N	Basic static load rating, radial
d	30 mm	Bore diameter bearing
D	47 mm	Outside diameter bearing
$l_2$	146,5 mm	Total length external thread head
B	22 mm	Width inner ring
$d_2$	73 mm	Outer eye diameter
$\approx m$	0,882 kg	Weight



### Mounting dimensions

d <sub>1</sub>	34,2 mm	Outer flange diameter inner ring
r <sub>1smin</sub>	0,6 mm	Edge Spacing

### Dimensions

d <sub>K</sub>	40,7 mm	Ball diameter
d <sub>3</sub>	M30x2	Thread size
h	110 mm	Shank Length External thread rod
C <sub>1</sub>	19 mm	Width of the rod end
α	6 °	Tilt angle
l <sub>1</sub>	65 mm	Shank Length External thread head
l <sub>7</sub>	37 mm	Distance drilling with/shaft start
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>r</sub>	0,037 - 0,1	Radial Clearance
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>	-30 °C	Operating temperature min.
T <sub>max</sub>	130 °C	Operating temperature max.



### Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Sealed on both sides



Static angular error and misalignment



Dynamic angular error and misalignment