

**GIR20-DO**

## Rod end



Rod end with internal thread, right 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	Lubrication hole	
Slotted	No	
Thread Pitch	Right-hand thread	
Sealing	Without	
Radial internal clearance	CN (Group N)	Normal internal clearance

## Main Dimensions &amp; Performance Data

d	20 mm	Bore diameter bearing
D	35 mm	Outside diameter bearing
B	16 mm	Width inner ring
C <sub>r</sub>	38.500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	75.600 N	Basic static load rating, radial
G <sub>r</sub>	0,03 - 0,082	Radial Clearance
≈m	0,343 kg	Weight



## Dimensions

$d_K$	29 mm	Ball diameter
$d_1$	24,1 mm	Outer flange diameter inner ring
$d_2$	53 mm	Outer eye diameter
$d_3$	M20x1,5	Thread size
$d_4$	27,5 mm	Shank diameter
$h_1$	77 mm	Shank Length Internal thread head
$C_1$	13 mm	Width of the rod end
$\alpha$	9 °	Tilt angle
$l_3$	40 mm	Thread length Internal thread
$l_4$	103,5 mm	Total length internal thread head
$l_5$	10 mm	Length rod end shank
$l_7$	27 mm	Distance drilling with/shaft start
$d_5$	35 mm	Shank diameter, large
$r_{1smin}$	0,3 mm	Edge Spacing
$W$	32 mm	Width Across Flat
$d_{OT}$	0 mm	Bore diameter bearing, upper tolerance
$d_{UT}$	-0,01 mm	Bore diameter bearing, lower tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$B_{UT}$	-0,12 mm	Width inner ring, lower tolerance
$G_{rmax}$	0,082 mm	Radial clearance, maximum
$G_{rmin}$	0,03 mm	Radial clearance, minimum

## Temperature range

$T_{min}$	-60 °C	Operating temperature min.
$T_{max}$	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