

**GIL20-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	
Lubrication nipple	Lubrication hole	
Slotted	No	
Thread Pitch	Left-hand thread	
Sealing	Without	
Radial internal clearance	CN (Group N)	Normal internal clearance
Mounting	Internal thread	

Main Dimensions & Performance Data

d	20 mm	Bore diameter bearing
D	35 mm	Outside diameter bearing
B	16 mm	Width inner ring
C _r	38.500 N	Basic dynamic load rating, radial
C _{0r}	75.600 N	Basic static load rating, radial
G _r	0,03 - 0,082	Radial Clearance
≈m	0,357 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
α	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}	-50 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.



Characteristics



Radial load



Grease Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment