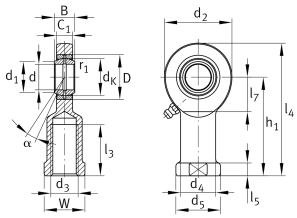
GIL30-DO

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	
Lubrication nipple	DIN71412-AS6 (tapered grease nipple)	
Slotted	No	
Thread Pitch	Left-hand thread	
Sealing	Without	
Mounting	Internal thread	
Radial internal clearance	CN (Group N)	Normal internal clearance

Main Dimensions & Performance Data

d	30 mm	Bore diameter bearing
D	47 mm	Outside diameter bearing
B	22 mm	Width inner ring
C_r	81.000 N	Basic dynamic load rating, radial
C_{0r}	119.000 N	Basic static load rating, radial
G_r	0,037 - 0,1	Radial Clearance
≈m	0,929 kg	Weight

Dimensions

d_K	40,7 mm	Ball diameter
d_1	34,2 mm	Outer flange diameter inner ring
d_2	73 mm	Outer eye diameter
d_3	M30x2	Thread size
d_4	40 mm	Shank diameter
h_1	110 mm	Shank Length Internal thread head
C_1	19 mm	Width of the rod end
α	6 °	Tilt angle
l_3	56 mm	Thread length Internal thread
l_4	146,5 mm	Total length internal thread head
l_5	15 mm	Length rod end shank
l_7	37 mm	Distance drilling with/shaft start
d_5	50 mm	Shank diameter, large
r_{1smin}	0,6 mm	Edge Spacing
W	41 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}	0,1 mm	Radial clearance, maximum
G_{rmin}	0,037 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