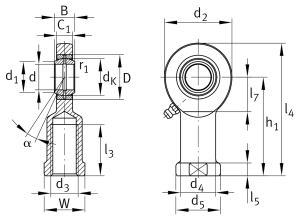
GIL8-DO

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	Cannot be relubricated	
Slotted	No	
Thread Pitch	Left-hand thread	
Type of Seal	Without	
Radial internal clearance	CN (Group N)	Normal internal clearance

Main Dimensions & Performance Data

d	8 mm	Bore diameter bearing
D	16 mm	Outside diameter bearing
B	8 mm	Width inner ring
C_r	7.180 N	Basic dynamic load rating, radial
C_{0r}	16.000 N	Basic static load rating, radial
G_r	0,023 - 0,068	Radial Clearance
≈m	38,256 g	Weight

Dimensions

d_K	13 mm	Ball diameter
d_1	10,2 mm	Outer flange diameter inner ring
d_2	24 mm	Outer eye diameter
d_3	M8	Thread size
d_4	12,5 mm	Shank diameter
h_1	36 mm	Shank Length Internal thread head
C_1	6 mm	Width of the rod end
α	15 °	Tilt angle
l_3	15 mm	Thread length Internal thread
l_4	48 mm	Total length internal thread head
l_5	5 mm	Length rod end shank
l_7	14 mm	Distance drilling with/shaft start
d_5	16 mm	Shank diameter, large
r_{1smin}	0,3 mm	Edge Spacing
W	14 mm	Width Across Flat
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
d_{UT}	-0,008 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}	0,068 mm	Radial clearance, maximum
G_{rmin}	0,023 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