

**GIL45-DO-2RS** [↗](#)

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, sealed

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	
Type of Seal	2RS	Lip seals on both sides
Radial internal clearance	CN (Group N)	Normal internal clearance
Mounting	Internal thread	

Main Dimensions & Performance Data

d	45 mm	Bore diameter bearing
D	68 mm	Outside diameter bearing
B	32 mm	Width inner ring
C _r	166.000 N	Basic dynamic load rating, radial
C _{0r}	259.000 N	Basic static load rating, radial
G _r	0,043 - 0,12	Radial Clearance
≈m	2,7 kg	Weight



Dimensions

d_K	60 mm	Ball diameter
d_1	50,7 mm	Outer flange diameter inner ring
d_2	102 mm	Outer eye diameter
d_3	M42x3	Thread size
d_4	58 mm	Shank diameter
h_1	145 mm	Shank Length Internal thread head
C_1	27 mm	Width of the rod end
α	7 °	Tilt angle
l_3	65 mm	Thread length Internal thread
l_4	196 mm	Total length internal thread head
l_5	20 mm	Length rod end shank
l_7	52 mm	Distance drilling with/shaft start
d_5	70 mm	Shank diameter, large
r_{1smin}	0,6 mm	Edge Spacing
W	60 mm	Width Across Flat
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
d_{UT}	-0,012 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}	0,12 mm	Radial clearance, maximum
G_{rmin}	0,043 mm	Radial clearance, minimum

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	130 °C	Operating temperature max.



Characteristics



Radial load



Grease Lubrication



Sealed on both sides



Static angular error and misalignment



Dynamic angular error and misalignment