

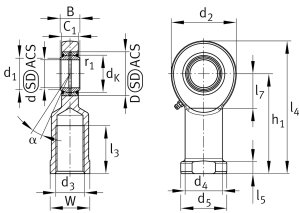
**GIL80-DO-2RS** [↗](#)

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	
Mounting	Internal thread	
Lubrication nipple	DIN71412-AM6 (tapered grease nipple)	
Slotted	No	
Thread Pitch	Left-hand thread	
Sealing	2RS	Lip seals on both sides
Radial internal clearance	CN (Group N)	Normal internal clearance

Main Dimensions & Performance Data

d	80 mm	Bore diameter bearing
D	120 mm	Outside diameter bearing
B	55 mm	Width inner ring
C _r	522.000 N	Basic dynamic load rating, radial
C _{0r}	667.000 N	Basic static load rating, radial
G _r	0,055 - 0,142 mm	Radial Clearance
≈m	13,4 kg	Weight



Dimensions








d _K	105 mm	Ball diameter
d ₁	89,4 mm	Outer flange diameter inner ring
d ₂	180 mm	Outer eye diameter
d ₃	M64X4	Thread size
d ₄	95 mm	Shank diameter
h ₁	230 mm	Shank Length Internal thread head
C ₁	47 mm	Width of the rod end
α	6 °	Tilt angle
l ₃	85 mm	Thread length Internal thread
l ₄	320 mm	Total length internal thread head
l ₅	25 mm	Length rod end shank
l ₇	100 mm	Distance drilling with/shaft start
d ₅	110 mm	Shank diameter, large
r _{1smin}	1 mm	Edge Spacing
W	100 mm	Width Across Flat
d _{OT}	0 mm	Bore diameter bearing, upper tolerance
d _{UT}	-0,015 mm	Bore diameter bearing, lower tolerance
B _{OT}	0 mm	Width inner ring, upper tolerance
B _{UT}	-0,15 mm	Width inner ring, lower tolerance
G _{rmax}	0,142 mm	Radial clearance, maximum
G _{rmin}	0,055 mm	Radial clearance, minimum

Temperature range

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



Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Sealed on both sides
-  Static angular error and misalignment
-  Dynamic angular error and misalignment