

**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	
Mounting	Internal thread	
Lubrication nipple	DIN71412-AS6 (tapered grease nipple)	
Slotted	No	
Thread Pitch	Left-hand thread	
Type of Sealing	2RS	Lip seals on both sides
Radial internal clearance	CN (Group N)	Normal internal clearance

## Main Dimensions &amp; Performance Data

d	45 mm	Bore diameter bearing
D	68 mm	Outside diameter bearing
B	32 mm	Width inner ring
C <sub>r</sub>	166.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	259.000 N	Basic static load rating, radial
G <sub>r</sub>	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
$\alpha$	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

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Radial load



Grease Lubrication



Sealed on both sides



Static angular error and misalignment



Dynamic angular error and misalignment