

**GIHRK30-DO** [↗](#)

Rod end

Hydraulic rod end, with thread clamping device, right hand thread, requiring maintenance, sliding contact surface: steel/steel, open design

Technical information



Your current product variant

Clampable	Clampable
Maintenance	Maintenance required
Mounting	Internal thread
Lubrication nipple	DIN71412-AM6 (tapered grease nipple)
Slotted	Slotted, both sides
Thread Pitch	Right-hand thread
Type of Sealing	Without
Radial internal clearance	CN (Group N) Normal internal clearance

Main Dimensions & Performance Data

C_r	81.000 N	Basic dynamic load rating, radial
C_{0r}	96.800 N	Basic static load rating, radial
d	30 mm	Bore diameter bearing
d_2	64 mm	Outer eye diameter
l_4	94 mm	Total length internal thread head
D	47 mm	Outside diameter bearing
B	22 mm	Width inner ring
$\approx m$	0,74 kg	Weight



Dimensions

α	6 °	Tilt angle
C ₁	28 mm	Width of the rod end
d _K	40,7 mm	Ball diameter
d ₃	M22x1,5	Thread size
d ₄	32 mm	Shank diameter
d ₅	50 mm	Shank diameter, large
d ₇	M8x25	Diameter screw clamp
h ₁	60 mm	Shank Length Internal thread head
l ₃	23 mm	Thread length Internal thread
l ₇	30 mm	Distance drilling with/shaft start
d _{UT}	-0,01 mm	Bore diameter bearing, lower tolerance
d _T	0,01	Bore diameter bearing, tolerance
d _{OT}	0 mm	Bore diameter bearing, upper tolerance
B _{UT}	-0,12 mm	Width inner ring, lower tolerance
B _{OT}	0 mm	Width inner ring, upper tolerance
M _A	32 Nm	Tightening torque
G _r	0,025 - 0,1 mm	Radial Clearance
G _{rmin}	0,025 mm	Radial clearance, minimum
G _{rmax}	0,1 mm	Radial clearance, maximum

Mounting dimensions

r _{1smin}	0,6 mm	Edge Spacing
d ₁	34,2 mm	Outer flange diameter inner ring

Temperature range

T _{min}	-60 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment