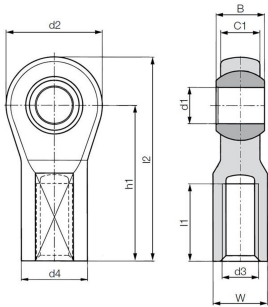


Rod end with female thread, KBRI / KBLI igubal®,
spherical ball iglidur® W300, inch

KBRI-04



Rod end with female thread, KBRI / KBLI
igubal®, spherical ball iglidur® W300, inch

- Spherical ball material: iglidur® W300
- Thread direction: right hand / left-hand
- Housing material: igumid G
- Dimensional series K according to DIN ISO 12240
- Maintenance-free dry operation
- High rigidity
- Very high durability in varying loads
- Compensation of misalignment errors
- Compensation of edge loads
- Resistant to dirt, dust and lint
- Resistant to corrosion and chemicals
- High vibration-dampening
- Suitable for rotating, oscillating and linear movements
- Very lightweight

B	0.365 in
h1	1.312 in
l1	0.687 in
l2	1.687 in
Min. thread engagement	0.48 in
d3 thread	1/4-28
C1	0.272 in
Ø d4	0.469 in
Part number	KBRI-04

Product description

Introducing the KBRI-04 igubal® rod end bearing with female thread. Crafted from igumid G, this corrosion-resistant bearing excels in harsh environments, ensuring durability against dirt, dust, and moisture. The iglidur® W300 spherical ball offers maintenance-free dry operation with low friction, making it ideal for rotating, oscillating, and linear movements. Lightweight and robust, it's perfect for applications in bicycle manufacturing, plant construction, and offshore settings. Experience reliability and performance with the KBRI-04.

Thermal properties

Max. long-term application temperature	90 °C
Max. short-term application temperature	180 °C
Lower application temperature	-40 °C

Manufacturing and installation tolerances

Installation tolerance d1	E10
Recommended shaft tolerance	h9
Recommended shaft roughness	0,4-0,5 µm



General properties

Weight	4.92 g
thread (inner/outer)	inner thread
Thread direction	Right-hand thread
Dimensional series	K, according to DIN ISO 12240
Housing material	igumid G
Spherical ball material	iglidur® W300

Mechanical properties

Max. static transverse load, short-term	400 N
Max. static transverse load, long-term	200 N
Max. tightening torque, lead screw	5 Nm
Max. tightening torque through spherical ball	4 Nm
Max. pivot angle (α)	25 °
Max. radial static pressure load, short-term	400 N
Max. radial static pressure load, long-term	200 N
Max. static radial tensile stress, short-term	1100 N
Max. static radial tensile stress, long-term	550 N

Dimensions

Shaft diameter	0.25 in
d3 thread	1/4-28
Ø d4	0.469 in
C1	0.272 in
B	0.365 in
h1	1.312 in
l1	0.687 in
l2	1.687 in
W (width across flats)	0,375 (3/8)
Min. thread engagement	0.48 in