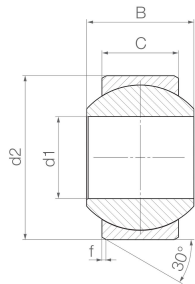


Spherical bearing, KGLI, inch, igubal®

KGLI-03



Spherical bearing, KGLI, inch, igubal®

- Dimensional series: K, following DIN ISO 12240
- Housing material: igumid G
- Material of spherical ball: iglidur® W300
- Compensation of misalignment and edge loads
- Corrosion-resistant
- High vibration-dampening
- Excellent vibration dampening
- Suitable for rotating, oscillating and axial movements

C	0.218 in
B	0.312 in
Length of chamfer (f)	0.3 in
Ø d2	0.5625 in
Part number	KGLI-03

Product description

Discover the igubal® KGLI spherical bearing, designed for effortless installation and robust performance. Crafted from igumid G, a durable polymer, it withstands temperatures from -30 °C to +80 °C. This lightweight bearing excels in vibration dampening and is corrosion-resistant, making it ideal for various applications, including the food and automotive industries. With its ability to compensate for misalignment and edge loads, the igubal® spherical bearing is your cost-effective solution for reliable engineering designs.

Manufacturing and installation tolerances

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

General properties

Weight	1.14 g
Housing material	igumid G

Dimensions

B	0.312 in
Shaft diameter	0.19 in
Ø d2	0.5625 in
C	0.218 in
Length of chamfer (f)	0.3 in



Mechanical properties

Max. axial static load, short-term	150 N
Max. axial static load, long-term	75 N
Max. radial static pressure load, short-term	1000 N
Max. radial static pressure load, long-term	500 N
Max. pivot angle (α)	34 °
Max. tightening torque through spherical ball	5 Nm