



# igubal<sup>®</sup> Mounted Spherical Bearings

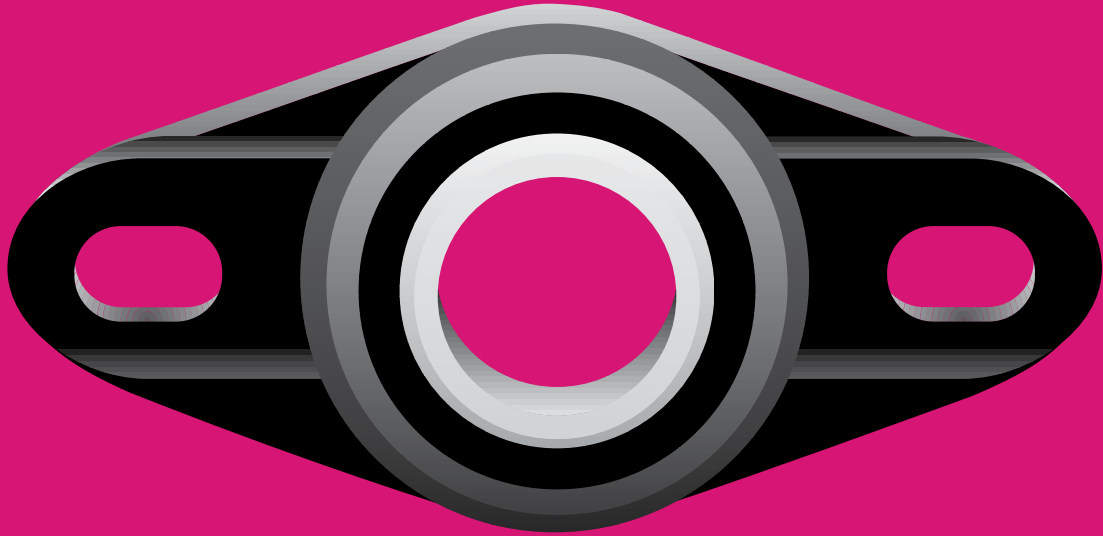
igus<sup>®</sup> igubal<sup>®</sup> mounted spherical bearings are made with high quality engineered polymers. They are lubrication-free and maintenance-free. These bearings are lighter and more economical than traditional mounted spherical bearings.

## Features

- Five popular mounting configurations
- Four popular shaft sizes
- Maintenance-free
- Excellent wear resistance
- L280 polymer type bearing material



igus <sup>®</sup> igubal <sup>®</sup> Mounted Spherical Bearings								
Item Photo	Part Number	Style	Size I.D. (inch)	Thread/Housing Type	Qty. per Package	Weight (lb)	Price	Drawing Link
	<a href="#">A-KBRI-04</a>	K Series, Female Thread, Rod End	1/4	1/4-28 UNF female	4	0.06		<a href="#">PDF</a>
	<a href="#">A-KBRI-08</a>		1/2	1/2-20 UNF female	2	0.12		<a href="#">PDF</a>
	<a href="#">A-KBRI-12</a>		3/4	3/4-16 UNF female	1	0.14		<a href="#">PDF</a>
	<a href="#">A-KBRI-16</a>		1	1-12 UNF female	1	0.46		<a href="#">PDF</a>
	<a href="#">A-KARI-04</a>	K Series, Male Thread, Rod End	1/4	1/4-28 UNF male	4	0.04		<a href="#">PDF</a>
	<a href="#">A-KARI-08</a>		1/2	1/2-20 UNF male	2	0.10		<a href="#">PDF</a>
	<a href="#">A-KARI-12</a>		3/4	3/4-16 UNF male	1	0.10		<a href="#">PDF</a>
	<a href="#">A-KARI-16</a>		1	1-12 UNF male	1	0.34		<a href="#">PDF</a>
	<a href="#">A-KSTI-04</a>	K Series, Pillow Block	1/4	Pillow block	4	0.02		<a href="#">PDF</a>
	<a href="#">A-KSTI-08</a>		1/2		2	0.07		<a href="#">PDF</a>
	<a href="#">A-KSTI-12</a>		3/4		1	0.09		<a href="#">PDF</a>
	<a href="#">A-KSTI-16</a>		1		1	0.20		<a href="#">PDF</a>
	<a href="#">A-EFOI-04</a>	E Series, 2-Bolt Flange	1/4	2-bolt flange	4	0.03		<a href="#">PDF</a>
	<a href="#">A-EFOI-08</a>		1/2		2	0.05		<a href="#">PDF</a>
	<a href="#">A-EFOI-12</a>		3/4		1	0.09		<a href="#">PDF</a>
	<a href="#">A-EFOI-16</a>		1		1	0.14		<a href="#">PDF</a>
	<a href="#">A-EFSI-04</a>	E Series, 4-Bolt Flange	1/4	4-bolt flange	4	0.04		<a href="#">PDF</a>
	<a href="#">A-EFSI-08</a>		1/2		2	0.04		<a href="#">PDF</a>
	<a href="#">A-EFSI-12</a>		3/4		1	0.12		<a href="#">PDF</a>
	<a href="#">A-EFSI-16</a>		1		1	0.17		<a href="#">PDF</a>

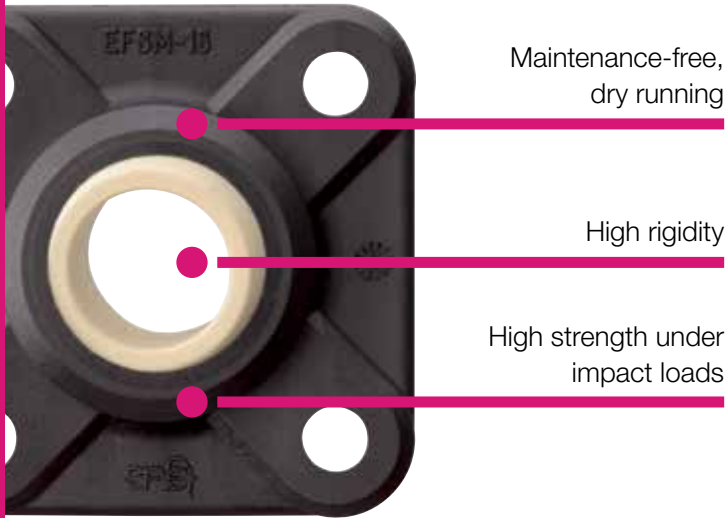


# igubal® Flange Bearing

- Maintenance-free, dry running
- High tensile strength
- High endurance strength
- Compensation for alignment errors
- Compensation for edge loads
- Lightweight

# igubal® Flange Bearing

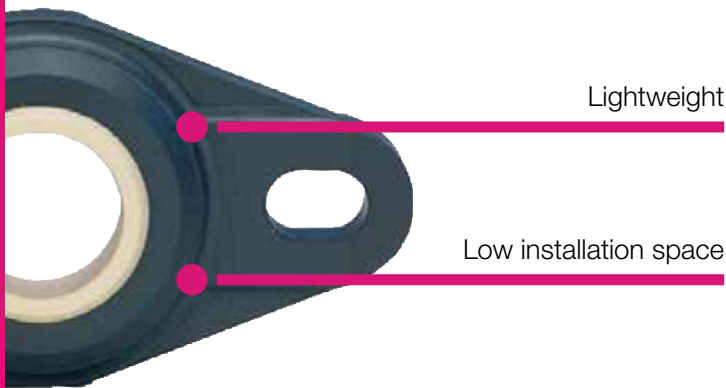
igubal® Flange bearings have been developed for the support of shaft ends or for shafts lead-through. Like all igubal® products, these bearings consist of an igumid G housing and an iglide® L280 spherical ball (with other options available). igubal® Flange bearings are made to the dimensional E series and are offered with two or four mounting holes.



Maintenance-free,  
dry running

High rigidity

High strength under  
impact loads



Lightweight

Low installation space

## + Best Applications

- If chemical resistance is required
- If a cost-effective option is requested
- If you need dirt-resistant bearings
- To adjust misalignment
- If you need split components

## - Not For Use In Applications

- If temperatures are higher than +176°F
- If an integrated fixing collar is required
- If diameters above 1 inch or 50 mm are required
- If rotation speeds higher than 98.4 fpm (0.5 m/s) are required



max. +176°F  
min. -40°F



Ø 3/8 to 1 inch  
more sizes available from igus



Ø 4 to 50 mm  
metric sizes available from igus

# igubal® Flange Bearing - Application examples



## Typical application areas

- Plant design
- Automation
- Agricultural machines
- Machine building
- Food industry etc.



Conveyor technique



Solar industry



Rotary sorter

tMNC-149



Food industry

*This page contains igus® factory information and was current as of 1/15/18. Information subject to change without notice.*

## General Properties

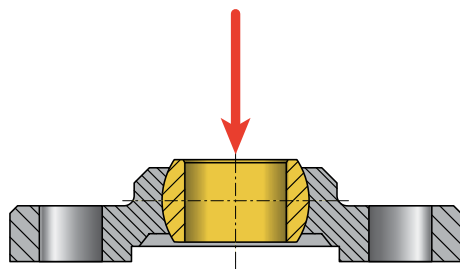
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## Areas of Application

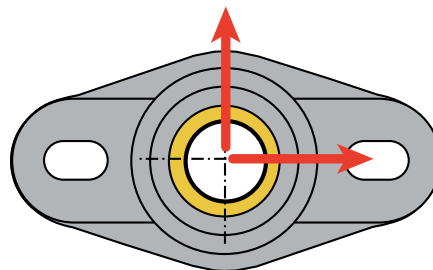
Since igubal® flange bearings are made for maintenance-free use, they are especially suited for applications in which access to the bearing is limited, in moist or wet environments or clean-room environments. Thus, igubal® flange bearings are also found in electric toothbrushes, awnings, conveyor technology, bakery machines and agriculture to name a few.

## Installation

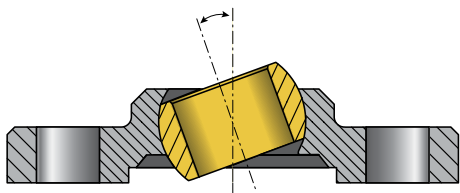
igubal® flange bearings are designed for mounting with 2 or 4 bolts, depending on the design. The 2-hole types are provided with elongated holes, which allow a problem-free adjustment. An exact positioning of the bearing housing is not necessary, since the spherical ball compensates for misalignment.



Static axial load



Static radial load



Pivot Angle