igubal® Mounted Spherical Bearings

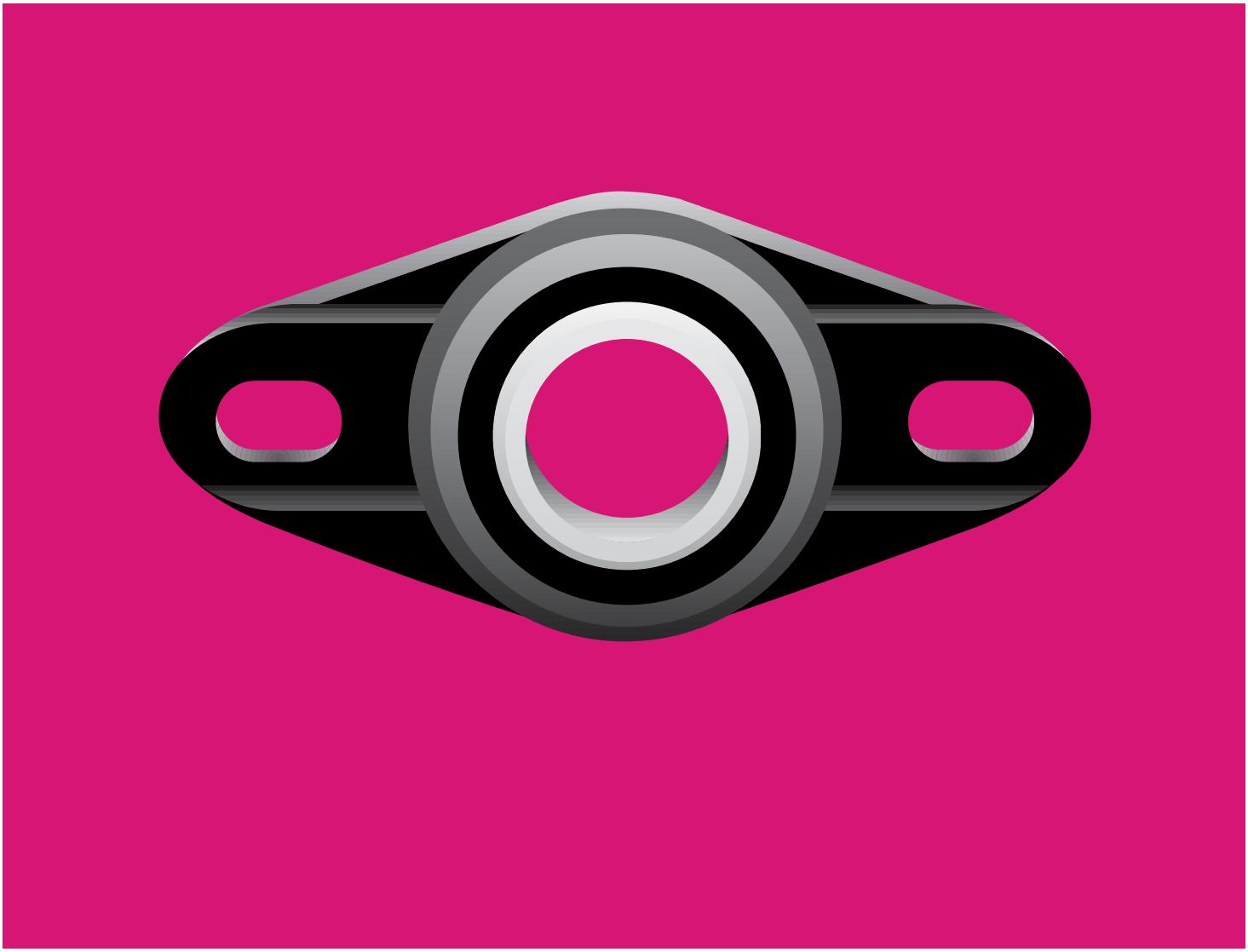
igus® igubal® mounted spherical bearings are made with high quality engineered polymers. They are lubrication-free and maintenance-free. These bearings are lighter and more economical than traditional mounted spherical bearings.

Features

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

CE

igus® igubal® Mounted Spherical Bearings								
Item Photo	Part Number	Style	Size I.D. (inch)	Thread/ Housing Type	Qty. per Package	Weight (lb)	Price	Drawing Link
	A-KBRI-04	K Series, Female Thread, Rod End	1/4	1/4-28 UNF female	4	0.06	$16.00	PDF
	A-KBRI-08		1/2	1/2-20 UNF female	2	0.12	$24.00	PDF
	A-KBRI-12		3/4	3/4-16 UNF female	1	0.14	$18.50	PDF
	A-KBRI-16		1	1-12 UNF female	1	0.46	$22.50	PDF
	A-KARI-04	K Series, Male Thread, Rod End	1/4	1/4-28 UNF male	4	0.04	$15.50	PDF
	A-KARI-08		1/2	1/2-20 UNF male	2	0.10	$15.50	PDF
	A-KARI-12		3/4	3/4-16 UNF male	1	0.10	$12.50	PDF
	A-KARI-16		1	1-12 UNF male	1	0.34	$20.00	PDF
	A-KSTI-04	K Series, Pillow Block	1/4	Pillow block	4	0.02	$12.00	PDF
	A-KSTI-08		1/2		2	0.07	$16.00	PDF
	A-KSTI-12		3/4		1	0.09	$10.00	PDF
	A-KSTI-16		1		1	0.20	$16.50	PDF
	A-EFOI-04	E Series, 2-Bolt Flange	1/4	2-bolt flange	4	0.03	$15.50	PDF
	A-EFOI-08		1/2		2	0.05	$16.00	PDF
	A-EFOI-12		3/4		1	0.09	$14.50	PDF
	A-EFOI-16		1		1	0.14	$18.00	PDF
	A-EFSI-04	E Series, 4-Bolt Flange	1/4	4-bolt flange	4	0.04	$22.50	PDF
	A-EFSI-08		1/2		2	0.04	$17.00	PDF
	A-EFSI-12		3/4		1	0.12	$13.50	PDF
	A-EFSI-16		1		1	0.17	$16.00	PDF



igubal® Flange Bearing

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

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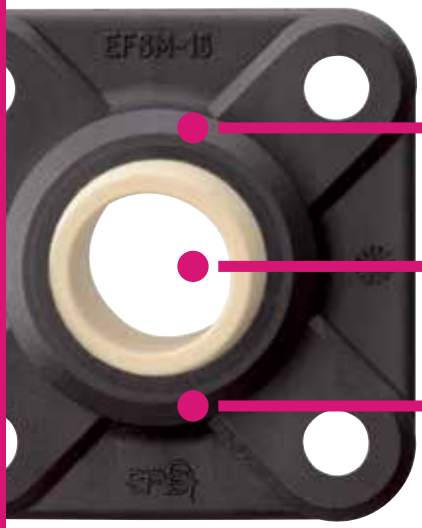
igubal® Flange Bearing

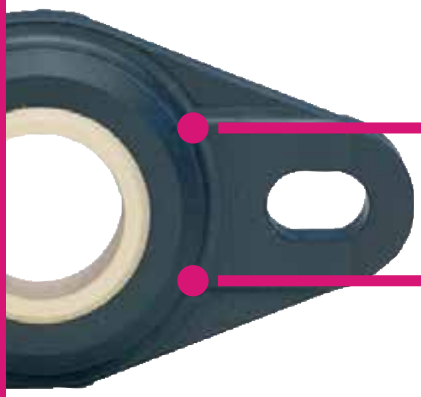
igubal® Flange bearings have been developed for the support of shaft ends or for shafts lead-through. Like all igubal® products, these bearings consist of an igumid G housing and an iglide® L280 spherical ball (with other options available). igubal® Flange bearings are made to the dimensional E series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

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

mm **Ø 4 to 50 mm**
metric sizes available from igus

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igubal® Flange Bearing - Application examples

Typical application areas

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

Conveyor technique

Solar industry

Rotary sorter

Food industry

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igubal® Flange Bearing - Technical data

General Properties

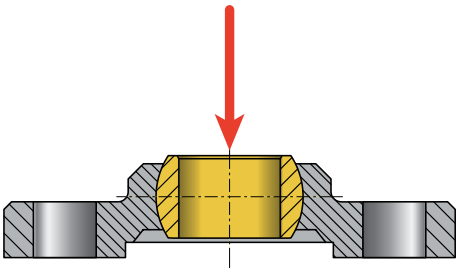
igubal® Flange bearings have been developed for the support of shaft ends or for shafts lead-through. Like all igubal® products, these bearings consist of an igumid G housing and an iglide® L280 spherical ball (with other options available). igubal® Flange bearings are made to the dimensional E series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

Areas of Application

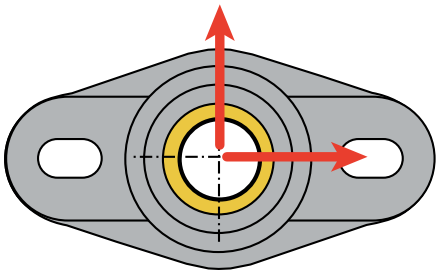
Since igubal® flange bearings are made for maintenance-free use, they are especially suited for applications in which access to the bearing is limited, in moist or wet environments or clean-room environments. Thus, igubal® flange bearings are also found in electric toothbrushes, awnings, conveyor technology,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

Installation

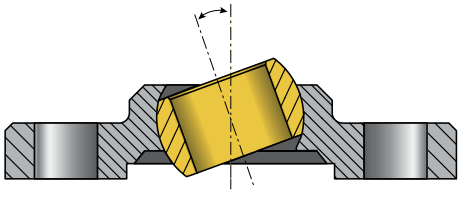
igubal® flange bearings are designed for mounting with 2 or 4 bolts, depending on the design. The 2-hole types are provided with elongated holes, which allow a problem-free adjustment. An exact positioning of the bearing housing is not necessary, since the spherical ball compensates for misalignment.



Static axial load



Static radial load



Pivot Angle

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