

igus® igubal® Mounted Spherical Bearings

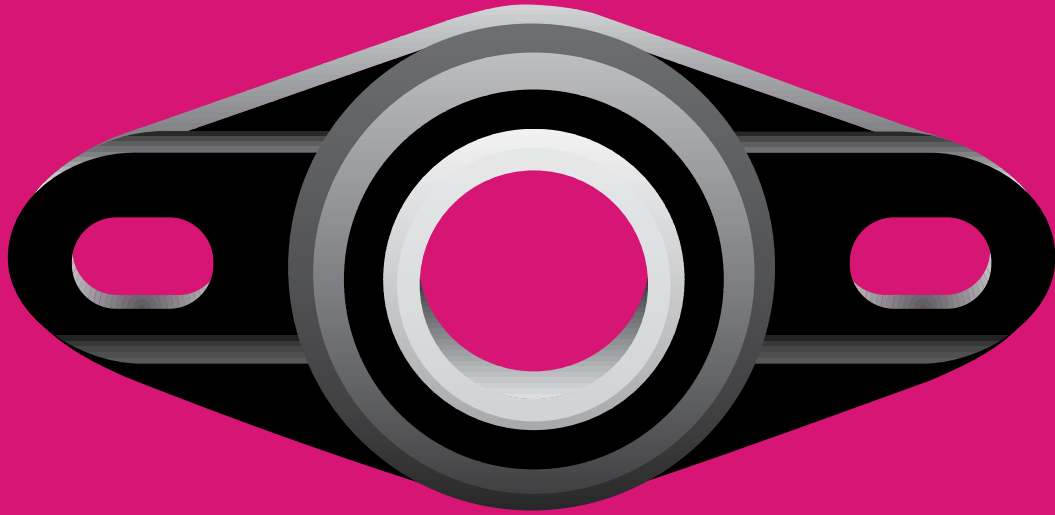
igus® igubal® mounted spherical bearings are made with high quality engineered polymers. They are lubrication-free and maintenance-free. These bearings are lighter and more economical than traditional mounted spherical bearings.

Features

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



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	\$13.50	PDF
	A-KBRI-08		1/2	1/2-20 UNF female	2	0.12	\$20.50	PDF
	A-KBRI-12		3/4	3/4-16 UNF female	1	0.14	\$16.00	PDF
	A-KBRI-16		1	1-12 UNF female	1	0.46	\$19.00	PDF
	A-KARI-04	K Series, Male Thread, Rod End	1/4	1/4-28 UNF male	4	0.04	\$13.00	PDF
	A-KARI-08		1/2	1/2-20 UNF male	2	0.10	\$13.00	PDF
	A-KARI-12		3/4	3/4-16 UNF male	1	0.10	\$10.75	PDF
	A-KARI-16		1	1-12 UNF male	1	0.34	\$17.00	PDF
	A-KSTI-04	K Series, Pillow Block	1/4	Pillow block	4	0.02	\$10.25	PDF
	A-KSTI-08		1/2		2	0.07	\$13.75	PDF
	A-KSTI-12		3/4		1	0.09	\$8.50	PDF
	A-KSTI-16		1		1	0.20	\$14.00	PDF
	A-EFOI-04	E Series, 2-Bolt Flange	1/4	2-bolt flange	4	0.03	\$13.25	PDF
	A-EFOI-08		1/2		2	0.05	\$13.75	PDF
	A-EFOI-12		3/4		1	0.09	\$12.25	PDF
	A-EFOI-16		1		1	0.14	\$15.50	PDF
	A-EFSI-04	E Series, 4-Bolt Flange	1/4	4-bolt flange	4	0.04	\$19.00	PDF
	A-EFSI-08		1/2		2	0.04	\$14.75	PDF
	A-EFSI-12		3/4		1	0.12	\$11.75	PDF
	A-EFSI-16		1		1	0.17	\$13.50	PDF

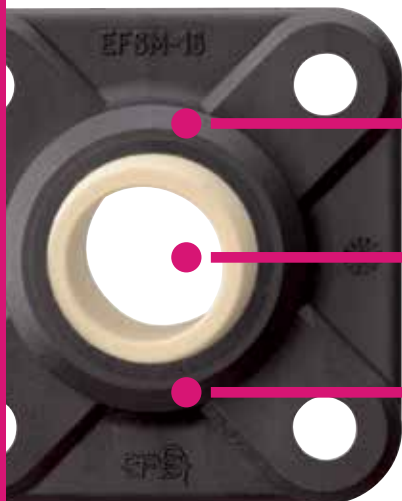


igubal® Flange Bearing

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

igubal® Flange Bearing

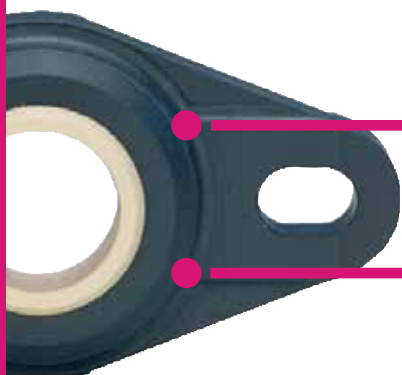
igubal® Flange bearings have been developed for the support of shaft ends or for shafts lead-through. Like all igubal® products, these bearings consist of an igumid G housing and an iglide® L280 spherical ball (with other options available). igubal® Flange bearings are made to the dimensional E series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



Food industry

General Properties

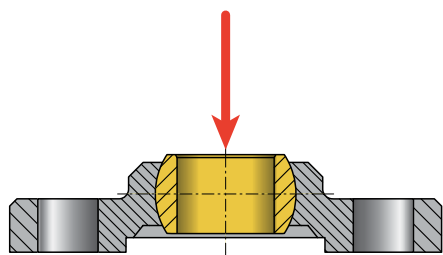
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Areas of Application

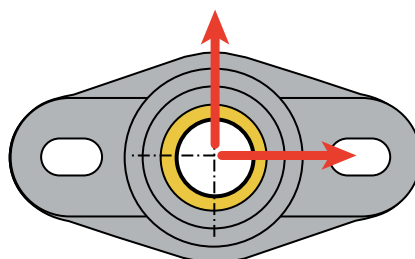
Since igubal® flange bearings are made for maintenance-free use, they are especially suited for applications in which access to the bearing is limited, in moist or wet environments or clean-room environments. Thus, igubal® flange bearings are also found in electric toothbrushes, awnings, conveyor technology,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

Installation

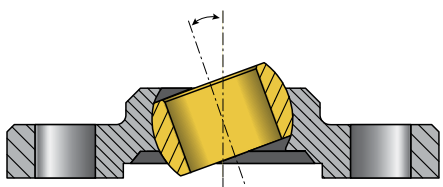
igubal® flange bearings are designed for mounting with 2 or 4 bolts, depending on the design. The 2-hole types are provided with elongated holes, which allow a problem-free adjustment. An exact positioning of the bearing housing is not necessary, since the spherical ball compensates for misalignment.



Static axial load



Static radial load



Pivot Angle