



igubal®
Flange Bearings

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igubal® Flange Bearings – Dimensional Series



Like all igubal® products, these bearings consist of an igumid G housing and an iglidur® W300 spherical ball. igubal® flange bearings are made to the dimensional series E 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 suitable for applications in which access to the bearing is limited, in moist or wet environments or clean room environments. igubal® flange bearings are also found in electric brushes, awnings, conveyor technology, and bakery machines.

Installation

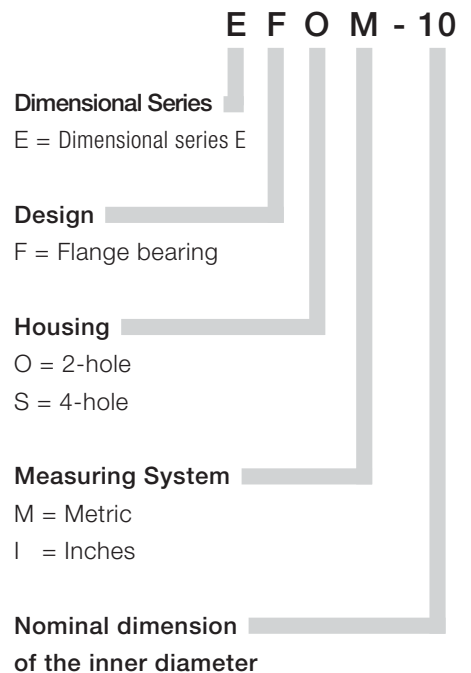
igubal® flange bearings are designed for mounting with 2 or 4 bolts, depending on the design. The 2-hole types are provided with elongated holes, which allow easy and flexible installation. An exact positioning of the bearing housing is not necessary, since the flange bearing compensates for alignment errors.

Product Range

igubal® flange bearings with 2 and 4 mounting holes can be obtained in the standard dimensions for shafts of 4 to 50 mm. Please contact us for additional dimensions.

Structure for Part Numbers of igubal® Flange Bearings

The part numbers of igubal® flange bearings are designed according to the following system:



The example shows a metric 2-hole flange bearing of the dimensional series E with a spherical ball inner diameter of 10 mm.



EFOM

mm

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54.4



With 2 mounting holes

Special Properties

- igumid G housing
- iglidur® W300 highly wear resistant spherical ball
- Easy to install
- Compensation for alignment errors
- Corrosion resistance
- Light weight
- Maintenance-free, self-lubricating



Material

Housing: igumid G

► Page 70.6

Spherical Bearing:

igidur® W300

► Chapter 5

Load Data

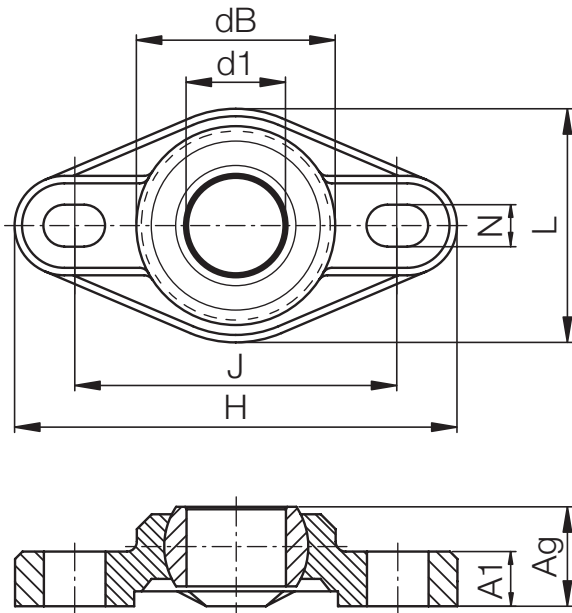
igubal® – Flange Bearing EFOM with 2 Mounting Holes

Part number	Max. axial permissible tensile strength spherical ball [N]	Max. axial permissible tensile strength long term [N]	Max. radial permissible tensile strength [N]	Max. radial permissible tensile strength long term [N]	Max. Torque for Longitudinal holes [Nm]
EFOM-04	400	200	750	375	0,6
EFOM-05	400	200	750	375	0,6
EFOM-06	500	250	800	400	0,6
EFOM-08	700	350	1100	550	1,3
EFOM-10	850	425	2000	1000	2,5
EFOM-12	1100	550	2200	1100	2,5
EFOM-15	1300	650	2400	1200	4,5
EFOM-16	1400	700	2800	1400	4,5
EFOM-17	1800	900	3200	1600	4,5
EFOM-20	1800	900	5500	2750	10,5
EFOM-25	3000	1500	6000	3000	10,5
EFOM-30	3500	1750	6500	3250	21,5



The igubal® flange bearings provide a low-cost and easy option for corrosion-resistant bearing assemblies in the attachments for lawn care and outdoor cleaning.

Lifetime calculation, CAD files and much more support ► www.igus.co.uk/en/efom



Data in mm

Structure – part no.

E F O M-04



Dimension
Metric
2 hole
Flange
Dimensional series



Material

Housing: igumid G

► Page 70.6

Spherical Bearing:

iglidur® W300

► Chapter 5

Dimensions [mm]

igubal® – Flange Bearing EFOM with 2 Mounting Holes

Part No	d1 E10	dB	H Size	L Width	J Hole Pitch ±0,1	A ₁ Height of Plate	A _g Height Total	N Bore Diameter d x l	Max. Pivot Angle
EFOM-04	4	14,0	33,8	16,0	24,0	4,5	8,5	3,2 x 5,0	33°
EFOM-05	5	14,0	33,8	16,0	24,0	4,5	8,5	3,2 x 5,0	33°
EFOM-06	6	14,0	33,8	16,0	24,0	4,5	8,5	3,2 x 5,5	27°
EFOM-08	8	18,0	44,2	22,0	31,0	5,5	10,5	4,3 x 6,5	24°
EFOM-10	10	22,0	52,0	26,0	36,0	6,5	12,0	5,3 x 8,0	24°
EFOM-12	12	25,0	56,7	31,0	41,0	7,0	13,0	5,3 x 8,0	21°
EFOM-15	15	30,0	68,6	36,0	50,0	8,5	15,5	6,4 x 10,0	19°
EFOM-16	16	32,0	72,6	38,0	53,0	10,0	17,5	6,4 x 10,1	24°
EFOM-17	17	35,0	74,6	41,0	55,0	10,0	18,0	6,4 x 10,2	20°
EFOM-20	20	40,0	89,0	47,0	65,0	11,0	20,0	8,4 x 12,5	17°
EFOM-25	25	48,5	101,0	58,5	75,0	14,0	25,0	8,4 x 12,6	14°
EFOM-30	30	55,0	118,0	65,0	87,5	15,0	26,0	10,5 x 16,0	12°

Available ex stock

Clearance-free spherical ball, optional



JVEM: Clearance-free spherical ball

► Page 57.6

