



## iglidur<sup>®</sup> maintenance-free flange bearings

Very good wear resistance

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Maintenance-free dry running

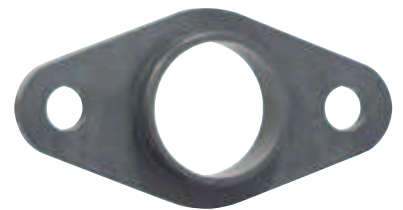
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Lightweight

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Standard range from stock

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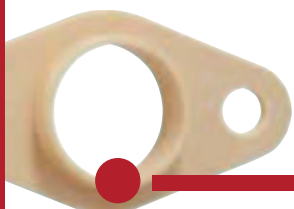


# iglidur® flange bearings | Advantages

## Maintenance-free dry running



**iglidur® G:**  
Standard material for  
many applications



**iglidur® J:**  
Material for low wear



**iglidur® X:**  
Material for high tempe-  
rature applications



**iglidur® A180:**  
Material for use in the  
food sector

## iglidur® maintenance-free flange bearings

With this design it is possible to use iglidur® high performance plain bearings in locations where recommended housing bore tolerances are not possible. Due to the design of the bearing, high loads are possible although there is a minimal precision requirement of the housing.

- Very good wear resistance
- Lightweight
- Lubrication-free

### Installation

For low radial loads, it is sufficient to mount iglidur® flange bearings on one surface simply with two bolts. For higher radial loads, it is advisable to support the iglidur® flange bearing in a hole. For this hole, large tolerances are permitted, since it serves only as additional support for the iglidur® flange bearing. In order to achieve higher radial loads in the bearings, the iglidur® flange bearing can be press-fit into a recommended housing bore with H7 tolerances. The additional bolts ensure the fit of the bearing in the housing.



### Available from stock

Detailed information about delivery time online.



### Depending on material:

iglidur® G: -40 °C up to +130 °C  
iglidur® J: -50 °C up to +90 °C  
iglidur® X: -100 °C up to +250 °C  
iglidur® A180: -50 °C up to +90 °C



### Material properties:

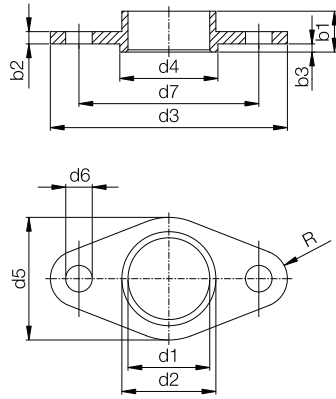
iglidur® G ▶ Page 79  
iglidur® J ▶ Page 141  
iglidur® X ▶ Page 237  
iglidur® A180 ▶ Page 349



1 type, 4 materials  
Ø 10–35 mm

More dimensions on request

## Flange bearings



### Order key

Type

Size [mm]

## G FL-10

iglidur® material

Flange bearings

Inner Ø

#### Options:

iglidur® material

G: iglidur® G

J: iglidur® J

X: iglidur® X

A180: iglidur® A180

### Dimensions [mm]

| d1 | d1-Tolerance <sup>3)</sup> | d2 <sup>13)</sup> | d3 | d4 | d5 | d6  | d7 | b1 | b2 | b3 | R      | Part No.         |
|----|----------------------------|-------------------|----|----|----|-----|----|----|----|----|--------|------------------|
|    |                            |                   |    |    |    |     |    |    |    |    | (±0.2) |                  |
| 10 | +0.025 +0.083              | 12                | 30 | 14 | 15 | 4.5 | 22 | 6  | 2  | 1  | 4      | <b>GFL-10</b>    |
| 12 | +0.032 +0.102              | 14                | 36 | 16 | 18 | 4.5 | 26 | 6  | 2  | 1  | 4.5    | <b>GFL-12</b>    |
| 14 | +0.032 +0.102              | 16                | 42 | 18 | 21 | 5.5 | 30 | 6  | 2  | 1  | 5      | <b>GFL-14</b>    |
| 16 | +0.032 +0.102              | 18                | 48 | 20 | 24 | 5.5 | 34 | 6  | 2  | 1  | 5.5    | <b>GFL-16</b>    |
| 18 | +0.032 +0.102              | 20                | 54 | 22 | 27 | 6.5 | 39 | 6  | 2  | 1  | 7      | <b>GFL-18</b>    |
| 20 | +0.040 +0.124              | 23                | 60 | 26 | 30 | 6.5 | 44 | 10 | 3  | 2  | 7      | <b>GFL-20</b>    |
| 25 | +0.040 +0.124              | 28                | 75 | 30 | 35 | 6.5 | 55 | 10 | 3  | 2  | 8.5    | <b>GFL-25</b>    |
| 30 | +0.040 +0.124              | 34                | 90 | 36 | 40 | 8.5 | 66 | 10 | 3  | 2  | 10     | <b>GFL-30</b>    |
| 35 | +0.050 +0.150              | 39                | 95 | 41 | 55 | 8.5 | 77 | 10 | 3  | 2  | 12     | <b>GFL-35</b>    |
| 10 | +0.025 +0.083              | 12                | 30 | 14 | 15 | 4.5 | 22 | 6  | 2  | 1  | 4      | <b>JFL-10</b>    |
| 12 | +0.032 +0.102              | 14                | 36 | 16 | 18 | 4.5 | 26 | 6  | 2  | 1  | 4.5    | <b>JFL-12</b>    |
| 14 | +0.032 +0.102              | 16                | 42 | 18 | 21 | 5.5 | 30 | 6  | 2  | 1  | 5      | <b>JFL-14</b>    |
| 16 | +0.032 +0.102              | 18                | 48 | 20 | 24 | 5.5 | 34 | 6  | 2  | 1  | 5.5    | <b>JFL-16</b>    |
| 20 | +0.040 +0.124              | 23                | 60 | 26 | 30 | 6.5 | 44 | 10 | 3  | 2  | 7      | <b>JFL-20</b>    |
| 25 | +0.040 +0.124              | 28                | 75 | 30 | 35 | 6.5 | 55 | 10 | 3  | 2  | 8.5    | <b>JFL-25</b>    |
| 30 | +0.040 +0.124              | 34                | 90 | 36 | 40 | 8.5 | 66 | 10 | 3  | 2  | 10     | <b>JFL-30</b>    |
| 35 | +0.050 +0.150              | 39                | 95 | 41 | 55 | 8.5 | 77 | 10 | 3  | 2  | 12     | <b>JFL-35</b>    |
| 10 | +0.013 +0.071              | 12                | 30 | 14 | 15 | 4.5 | 22 | 6  | 2  | 1  | 4      | <b>XFL-10</b>    |
| 12 | +0.016 +0.086              | 14                | 36 | 16 | 18 | 4.5 | 26 | 6  | 2  | 1  | 4.5    | <b>XFL-12</b>    |
| 14 | +0.016 +0.086              | 16                | 42 | 18 | 21 | 5.5 | 30 | 6  | 2  | 1  | 5      | <b>XFL-14</b>    |
| 16 | +0.016 +0.086              | 18                | 48 | 20 | 24 | 5.5 | 34 | 6  | 2  | 1  | 5.5    | <b>XFL-16</b>    |
| 20 | +0.020 +0.104              | 23                | 60 | 26 | 30 | 6.5 | 44 | 10 | 3  | 2  | 7      | <b>XFL-20</b>    |
| 25 | +0.020 +0.104              | 28                | 75 | 30 | 35 | 6.5 | 55 | 10 | 3  | 2  | 8.5    | <b>XFL-25</b>    |
| 30 | +0.020 +0.104              | 34                | 90 | 36 | 40 | 8.5 | 66 | 10 | 3  | 2  | 10     | <b>XFL-30</b>    |
| 35 | +0.025 +0.125              | 39                | 95 | 41 | 55 | 8.5 | 77 | 10 | 3  | 2  | 12     | <b>XFL-35</b>    |
| 10 | +0.025 +0.083              | 12                | 30 | 14 | 15 | 4.5 | 22 | 6  | 2  | 1  | 4      | <b>A180FL-10</b> |
| 12 | +0.032 +0.102              | 14                | 36 | 16 | 18 | 4.5 | 26 | 6  | 2  | 1  | 4.5    | <b>A180FL-12</b> |
| 16 | +0.032 +0.102              | 18                | 48 | 20 | 24 | 5.5 | 34 | 6  | 2  | 1  | 5.5    | <b>A180FL-16</b> |
| 20 | +0.040 +0.124              | 23                | 60 | 26 | 30 | 6.5 | 44 | 10 | 3  | 2  | 7      | <b>A180FL-20</b> |
| 25 | +0.040 +0.124              | 28                | 75 | 30 | 35 | 6.5 | 55 | 10 | 3  | 2  | 8.5    | <b>A180FL-25</b> |
| 30 | +0.040 +0.124              | 34                | 90 | 36 | 40 | 8.5 | 66 | 10 | 3  | 2  | 10     | <b>A180FL-30</b> |
| 35 | +0.050 +0.150              | 39                | 95 | 41 | 55 | 8.5 | 77 | 10 | 3  | 2  | 12     | <b>A180FL-35</b> |

<sup>3)</sup> After press-fit. Testing methods ► Page 57 <sup>13)</sup> Press-fit in H7 tolerance housing bore