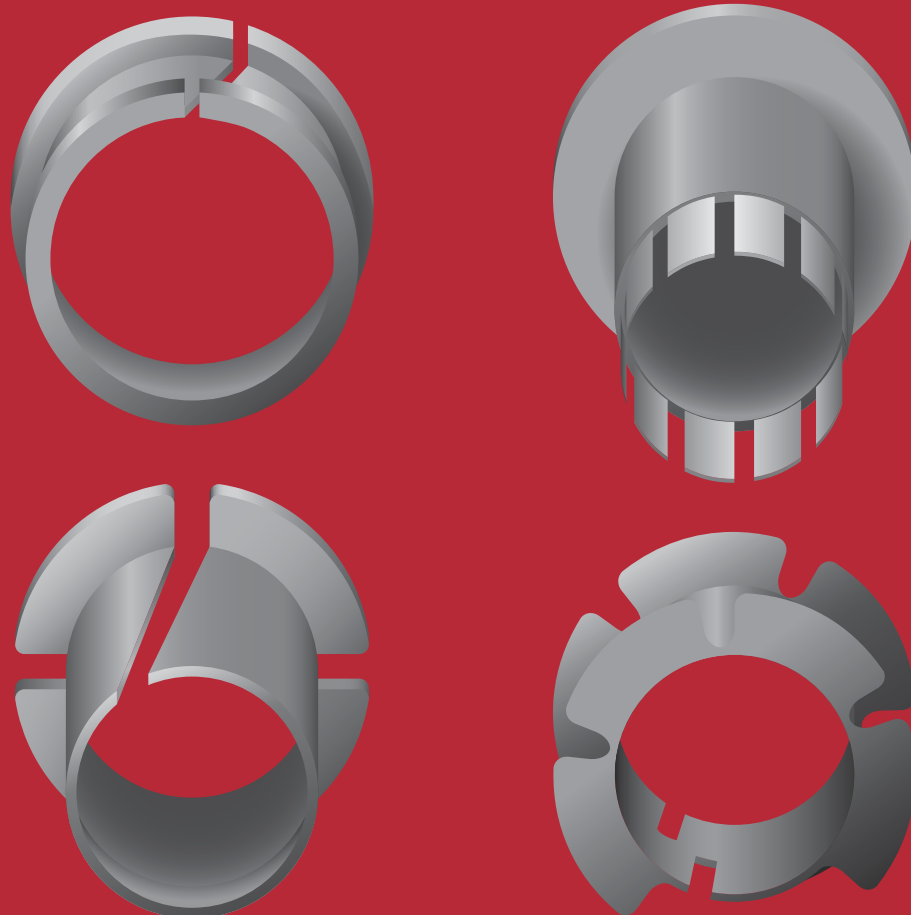




## iglide® – clip bearings

Easy installation

Abrasion-resistant

Predictable service life

Custom options possible

Self-lubricating and maintenance-free

Standard range from stock





**iglide® clip bearing:**  
Captured with double flange  
► Page 694



**iglide® Clip2 bearings:**  
Easy assembly due to lateral slot,  
also available with anti-rotation feature  
► Page 696



**iglide® flanged clip bearings:**  
Press in and fold down  
► Page 700



**iglide® double flanged clip bearings:**  
Press and plug  
► Page 701



**Custom solution**  
**iglide® snap on:**  
Snap into place  
► Page 702

## iglide® clip bearings

iglide® clip bearings are designed specifically for fitting shafts through sheet metal. For this reason, the bearings have flanges located on both ends. The bearings are secured in the sheet metal plate on both sides after fitting.

The clip bearings have an angled slot which allows the bearings to be fitted from one side. After fitting, the bearing expands and forms a lining for the hole in the metal plate. The shaft prevents the clip bearing from falling out the housing. Even during linear movement, the bearing cannot slide out of the housing.

- Lateral slot for easy installation
- Self-lubricating and maintenance-free
- Easily adapts to punched holes
- Good abrasion resistance
- Quiet
- For rotating and linear movements

### Typical industries and applications

- Automotive industry
- Mechanical engineering
- Jigs and fixtures, etc.



**Service life calculation**  
► [www.igus.com/iglide-expert](http://www.igus.com/iglide-expert)



**max. +176°F**  
**min. -40°F**



**Material: iglide® M250**  
**6 types**  
**Ø 3–25 mm**  
more dimensions on request



**Ø 3/16 to 1 1/4 inches**  
more dimensions on request



**Available from stock**  
Detailed information about delivery time online.



## iglide® clip bearing

- Easy to fit due to clip-on feature
- Increased security with the double flange design
- Good abrasion resistance

► Page 694



## iglide® split bearings (Clips2)

- Easy to fit
- Tolerance compensation with angled slot
- Low bearing clearance, high precision

► Page 696



## iglide® flanged clip bearings

- Easy to fit
- Pressfit
- Axial load on both sides
- Compensation of tolerances of the sheet metal

► Page 700



## iglide® double flanged clip bearings

- Easy to fit due to clip-on feature
- Large flange surfaces
- Symmetrical flange
- Remains in place during E-Coat paint process

► Page 701



## Special solution

### iglide® snap On

- The washer is snapped onto the flanged bearing with undercuts
- Compensation of axial clearance
- Secure pre-assembly possible
- Combination of conductive and non-conductive materials possible

► Page 702

**igus** 3D-CAD files, prices and delivery time ► [www.igus.com/clips](http://www.igus.com/clips)

# iglide® clip bearings | Application examples



This cutting mechanism is used in the beverage industry. All components meet the requirement of freedom from external lubrication, low cost and reduction of weight



Easy-to-clean and low-cost iglide® clip bearings and iglide® flange bearings are used in a honeycomb processing machine.



By using wear-resistant iglide® clip bearings, the lowering mechanism for radiator mascots on luxury cars could be improved.



The guide rod in this pharmacy printer has been attached using igus® clip bearings.



Rattle-free positioning of seat systems with iglide® plain/clip bearings, e.g. inner/tilt and seat height adjustment.

692 Lifetime calculation, configuration and more ► [www.igus.com/clips](http://www.igus.com/clips)



## General properties

The clip bearings have an angled slot which allows the bearings to be fitted from one side. After fitting, the bearing expands and forms a lining for the hole in the metal plate. The shaft prevents the clip bearing from falling out the housing. Even during linear movement, the bearing cannot slide out of the housing. iglide® clip bearings are made from wear resistant material iglide® M250.

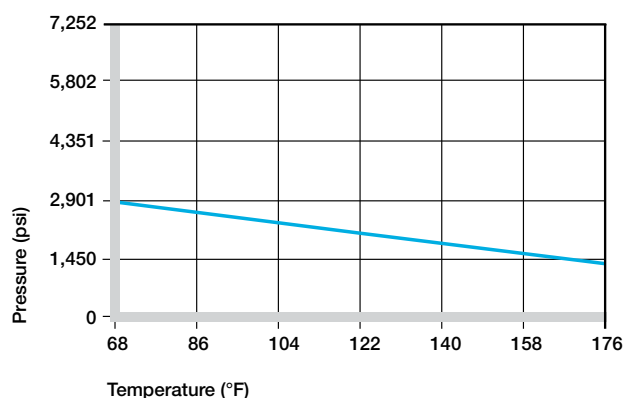
iglide® M250 is a plain bearing material with strong wear resistance at average loads. The bearings are self-lubricating and can be used dry. If required the bearings can also be lubricated. The material iglide® M250 is resistant to all common lubricants.

## Mechanical properties

The permissible static pressure of iglide® M250 at room temperature is 2,900 psi. Due to the possibility of high tolerances in the housing bore, the clip bearing has a high compressive strength even for punched holes.

For bearing surfaces that are very small, the vibration dampening properties and the resistance to edge loads are especially important.

► iglide® M250, **Page 121**



**Diagram 01: Recommended maximum surface pressure of as a function of temperature (2,900 psi at +68°F)**

## Permissible surface speeds

Clip bearings are extremely wear resistant in slow rotating, oscillating, and linear movements. The maximum surface speeds for the different movements are the same as for the material iglide® M250.

With lubrication the permissible speeds can be increased.

► Surface speed, **Page 44**

|             | Continuous<br>fpm | Short Term<br>fpm |
|-------------|-------------------|-------------------|
| Rotating    | 157               | 393               |
| Oscillating | 118               | 275               |
| Linear      | 492               | 984               |

## Maximum surface speeds

## Temperatures

For operating temperatures up to +176 °F iglide® clip bearings display high wear resistance. Even in the cold, the plain bearings remain elastic and resistant to wear.

► Application temperatures, **Page 49**

| iglide® M250    | Application temperature |
|-----------------|-------------------------|
| Minimum         | -40°F                   |
| Max. long term  | +176°F                  |
| Max. short term | +338°F                  |

## Temperature limits

## Installation

For installation, the plain bearings are pressed together on the side with the large flange. The angled slot makes the bearing spiral shaped so that it can be placed easily into the metal plate.

The slot also compensates for expansions of the circumference. In this way, a tight clearance is possible with the clip bearings. The bearing clearance is dimensioned in such a way that in a housing bore with a nominal diameter, a shaft made with the same nominal diameter turns easily. The clip bearings should be fitted into a housing with a "H" class tolerance, up to H13. The clip bearing can also rotate within the housing bore.

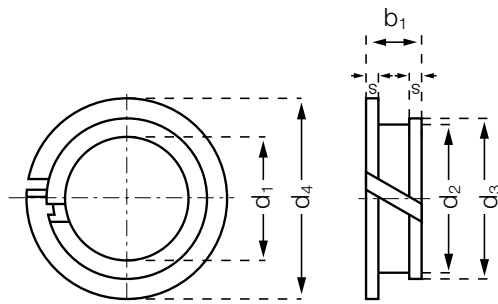
| Diameter<br>d1 [in] | Shaft h9<br>[in] | Tolerances<br>D11 [in] | Housing H7<br>[in] |
|---------------------|------------------|------------------------|--------------------|
| > 0.1181 to 0.2362  | 0-0.0012         | +0.0012 +0.0041        | 0 +0.0005          |
| > 0.2362 to 0.3937  | 0-0.0014         | +0.0016 +0.0051        | 0 +0.0006          |
| > 0.3937 to 0.7086  | 0-0.0017         | +0.0020 +0.0063        | 0 +0.0007          |
| > 0.7086 to 1.1811  | 0-0.0020         | +0.0026 +0.0077        | 0 +0.0008          |
| > 1.1811 to 1.9685  | 0-0.0024         | +0.0031 +0.0094        | 0 +0.0010          |
| > 1.9685 to 3.1496  | 0-0.0029         | +0.0000 +0.0000        | 0 +0.0012          |

| Diameter<br>d1 [mm] | Shaft h9<br>[mm] | Tolerances<br>D11 [mm] | Housing H7<br>[mm] |
|---------------------|------------------|------------------------|--------------------|
| up to 3             | 0-0.025          | +0.020 +0.080          | 0 +0.010           |
| > 3 to 6            | 0-0.030          | +0.030 +0.105          | 0 +0.012           |
| > 6 to 10           | 0-0.036          | +0.040 +0.130          | 0 +0.015           |
| > 10 to 18          | 0-0.043          | +0.050 +0.160          | 0 +0.018           |
| > 18 to 30          | 0-0.052          | +0.065 +0.195          | 0 +0.021           |
| > 30 to 50          | 0-0.062          | +0.080 +0.240          | 0 +0.025           |
| > 50 to 80          | 0-0.074          | +0.100 +0.290          | 0 +0.030           |



# iglide® Clip bearings | - Product range

Clip bearings for sheet metals – secured with double flange



Order key

| Type                   | Dimensions    |      |                 |                   |
|------------------------|---------------|------|-----------------|-------------------|
| <b>M C I - 06 - 01</b> |               |      |                 |                   |
| iglide® material       | Clip bearings | Inch | Inner-Ø d1 [mm] | Length b1-2s [mm] |



Material:

iglide® M250 ► Page 121

## Dimensions [mm]

| Part Number | d1<br>D11 <sup>7)</sup> | d2     | d3    | d4      | s<br>-0.10 | b1<br>+0.20 | ID of Bearing<br>in Housing | Recommended<br>Housing Bore |        | Recommended<br>Shaft Size |        |
|-------------|-------------------------|--------|-------|---------|------------|-------------|-----------------------------|-----------------------------|--------|---------------------------|--------|
|             |                         |        |       |         |            |             |                             | Max.                        | Min.   | Max.                      | Min.   |
| MCI-02-02   | 1/8                     | 0.1718 | 3/16  | 1/4     | 0.032      | 0.2000      | 0.1260                      | 0.1724                      | 0.1718 | 0.1250                    | 0.1238 |
| MCI-03-01   | 3/16                    | 0.2343 | 1/4   | 5/16    | 0.032      | 0.1380      | 0.1885                      | 0.2414                      | 0.2343 | 0.1875                    | 0.1865 |
| MCI-03-02   | 3/16                    | 0.2343 | 1/4   | 5/16    | 0.032      | 0.2000      | 0.1885                      | 0.2414                      | 0.2343 | 0.1875                    | 0.1865 |
| MCI-04-01   | 1/4                     | 0.3125 | 11/32 | 7/16    | 0.032      | 0.1380      | 0.2510                      | 0.3212                      | 0.3125 | 0.2500                    | 0.2490 |
| MCI-04-02   | 1/4                     | 0.3125 | 11/32 | 7/16    | 0.032      | 0.2000      | 0.2510                      | 0.3212                      | 0.3125 | 0.2500                    | 0.2490 |
| MCI-05-01   | 5/16                    | 0.3750 | 13/32 | 1/2     | 0.032      | 0.1380      | 0.3135                      | 0.3834                      | 0.3750 | 0.3125                    | 0.3115 |
| MCI-05-02   | 5/16                    | 0.3750 | 13/32 | 1/2     | 0.032      | 0.2000      | 0.3135                      | 0.3834                      | 0.3750 | 0.3125                    | 0.3115 |
| MCI-05-03   | 5/16                    | 0.3750 | 13/32 | 1/2     | 0.032      | 0.2480      | 0.3135                      | 0.3834                      | 0.3750 | 0.3125                    | 0.3115 |
| MCI-06-01   | 3/8                     | 0.4375 | 15/32 | 9/16    | 0.032      | 0.1380      | 0.3760                      | 0.4481                      | 0.4375 | 0.3750                    | 0.3740 |
| MCI-06-02   | 3/8                     | 0.4375 | 15/32 | 9/16    | 0.032      | 0.2000      | 0.3760                      | 0.4481                      | 0.4375 | 0.3750                    | 0.3740 |
| MCI-07-01   | 7/16                    | 0.5000 | 17/32 | 5/8     | 0.032      | 0.1380      | 0.4385                      | 0.5106                      | 0.5000 | 0.4375                    | 0.4365 |
| MCI-07-02   | 7/16                    | 0.5000 | 17/32 | 5/8     | 0.032      | 0.2000      | 0.4385                      | 0.5106                      | 0.5000 | 0.4375                    | 0.4365 |
| MCI-08-01   | 1/2                     | 0.5625 | 19/32 | 11/16   | 0.032      | 0.1380      | 0.5010                      | 0.5731                      | 0.5625 | 0.5000                    | 0.4990 |
| MCI-08-02   | 1/2                     | 0.5625 | 19/32 | 11/16   | 0.032      | 0.2000      | 0.5010                      | 0.5731                      | 0.5625 | 0.5000                    | 0.4990 |
| MCI-08-03   | 1/2                     | 0.5625 | 19/32 | 11/16   | 0.032      | 0.2480      | 0.5010                      | 0.5731                      | 0.5625 | 0.5000                    | 0.4990 |
| MCI-10-01   | 5/8                     | 0.6875 | 23/32 | 7/8     | 0.032      | 0.1380      | 0.6260                      | 0.6981                      | 0.6875 | 0.6250                    | 0.6240 |
| MCI-10-02   | 5/8                     | 0.6875 | 23/32 | 7/8     | 0.032      | 0.2000      | 0.6260                      | 0.6981                      | 0.6875 | 0.6250                    | 0.6240 |
| MCI-12-01   | 3/4                     | 0.8125 | 27/32 | 1       | 0.032      | 0.1380      | 0.7510                      | 0.8255                      | 0.8125 | 0.7500                    | 0.7490 |
| MCI-12-02   | 3/4                     | 0.8125 | 27/32 | 1       | 0.032      | 0.2000      | 0.7510                      | 0.8255                      | 0.8125 | 0.7500                    | 0.7490 |
| MCI-16-02   | 1                       | 1.0755 | 1 1/8 | 1 1/4   | 0.032      | 0.2000      | 1.0010                      | 1.0763                      | 1.0755 | 1.0000                    | 0.9980 |
| MCI-20-02   | 1 1/4                   | 1.3280 | 1 3/8 | 1 17/32 | 0.0390     | 0.2180      | 1.2530                      | 1.3290                      | 1.3280 | 1.2500                    | 1.2476 |

<sup>7)</sup> d1 value is measured with a plug gauge after fitting into a reference housing d2 (+0.0002"). Please see D11 tolerances table  
► Page 693

694 Lifetime calculation, configuration and more ► [www.igus.com/clips](http://www.igus.com/clips)



# iglide® Clip bearings | Product range

Clip bearings for sheet metals – secured with double flange

iglide®  
clip  
bearings



Order key

| Type                    | Dimensions        |
|-------------------------|-------------------|
| <b>M C M - 06 - 015</b> |                   |
| iglide® material        | Inner-Ø d1 [mm]   |
| Clip bearings           | Length b1-2s [mm] |
| Metric                  |                   |



Material:  
iglide® M250 ► Page 121

Dimensions [mm]

| Part Number | d1<br>D11 <sup>7)</sup> | d2   | d3   | d4   | s<br>-0.10 | b1<br>+ 0.20 | ID of Bearing<br>in Housing | Recommended<br>Housing Bore |        | Recommended<br>Shaft Size |        |
|-------------|-------------------------|------|------|------|------------|--------------|-----------------------------|-----------------------------|--------|---------------------------|--------|
|             |                         |      |      |      |            |              |                             | Max.                        | Min.   | Max.                      | Min.   |
| MCM-03-02   | 3                       | 4.2  | 4.8  | 6    | 0.6        | 3.2          | 3.025                       | 4.380                       | 4.200  | 3.000                     | 2.975  |
| MCM-03-03   | 3                       | 4.2  | 4.8  | 6    | 0.6        | 4.2          | 3.025                       | 4.380                       | 4.200  | 3.000                     | 2.975  |
| MCM-04-02   | 4                       | 5.2  | 5.9  | 7    | 0.6        | 3.2          | 4.025                       | 5.380                       | 5.200  | 4.000                     | 3.975  |
| MCM-04-03   | 4                       | 5.2  | 5.9  | 7    | 0.6        | 4.2          | 4.025                       | 5.380                       | 5.200  | 4.000                     | 3.975  |
| MCM-05-02   | 5                       | 6.2  | 6.8  | 8    | 0.6        | 3.2          | 5.025                       | 6.420                       | 6.200  | 5.000                     | 4.975  |
| MCM-05-03   | 5                       | 6.2  | 6.8  | 8    | 0.6        | 4.2          | 5.025                       | 6.420                       | 6.200  | 5.000                     | 4.975  |
| MCM-06-015  | 6                       | 7.2  | 7.8  | 11   | 0.6        | 2.7          | 6.025                       | 7.420                       | 7.200  | 6.000                     | 5.975  |
| MCM-06-02   | 6                       | 7.2  | 7.8  | 11   | 0.6        | 3.2          | 6.025                       | 7.420                       | 7.200  | 6.000                     | 5.975  |
| MCM-06-03   | 6                       | 7.2  | 7.8  | 11   | 0.6        | 4.2          | 6.025                       | 7.420                       | 7.200  | 6.000                     | 5.975  |
| MCM-06-04   | 6                       | 7.2  | 7.8  | 11   | 0.6        | 5.2          | 6.025                       | 7.420                       | 7.200  | 6.000                     | 5.975  |
| MCM-07-03   | 7                       | 9.0  | 9.8  | 13   | 0.8        | 4.6          | 7.025                       | 9.220                       | 9.000  | 7.000                     | 6.975  |
| MCM-08-02   | 8                       | 9.6  | 10.4 | 13   | 0.8        | 3.6          | 8.025                       | 9.820                       | 9.600  | 8.000                     | 7.975  |
| MCM-08-03   | 8                       | 9.6  | 10.4 | 13   | 0.8        | 4.6          | 8.025                       | 9.820                       | 9.600  | 8.000                     | 7.975  |
| MCM-08-04   | 8                       | 9.6  | 13.0 | 10.4 | 0.8        | 5.6          | 8.025                       | 9.820                       | 9.600  | 8.000                     | 7.975  |
| MCM-09-02   | 9                       | 10.6 | 11.4 | 14   | 0.8        | 3.6          | 9.025                       | 10.870                      | 10.600 | 9.000                     | 8.975  |
| MCM-10-02   | 10                      | 11.6 | 12.4 | 15   | 0.8        | 3.6          | 10.025                      | 11.870                      | 11.600 | 10.000                    | 9.975  |
| MCM-10-025  | 10                      | 11.6 | 12.4 | 15   | 0.8        | 4.1          | 10.025                      | 11.870                      | 11.600 | 10.000                    | 9.975  |
| MCM-10-03   | 10                      | 11.6 | 12.4 | 15   | 0.8        | 4.6          | 10.025                      | 11.870                      | 11.600 | 10.000                    | 9.975  |
| MCM-10-04   | 10                      | 11.6 | 12.4 | 15   | 0.8        | 5.6          | 10.025                      | 11.870                      | 11.600 | 10.000                    | 9.975  |
| MCM-10-08   | 10                      | 11.6 | 12.4 | 15   | 0.8        | 9.6          | 10.025                      | 11.870                      | 11.600 | 10.000                    | 9.975  |
| MCM-12-018  | 12                      | 13.6 | 14.4 | 17   | 0.8        | 3.4          | 12.025                      | 13.870                      | 13.600 | 12.000                    | 11.975 |
| MCM-12-02   | 12                      | 13.6 | 14.4 | 17   | 0.8        | 3.6          | 12.025                      | 13.870                      | 13.600 | 12.000                    | 11.975 |
| MCM-12-025  | 12                      | 13.6 | 14.4 | 17   | 0.8        | 4.4          | 12.025                      | 13.870                      | 13.600 | 12.000                    | 11.975 |
| MCM-12-03   | 12                      | 13.6 | 14.4 | 17   | 0.8        | 4.6          | 12.025                      | 13.870                      | 13.600 | 12.000                    | 11.975 |
| MCM-12-035  | 12                      | 13.6 | 14.4 | 17   | 0.8        | 5.1          | 12.025                      | 13.870                      | 13.600 | 12.000                    | 11.975 |
| MCM-12-04   | 12                      | 13.6 | 14.4 | 17   | 0.8        | 5.6          | 12.025                      | 13.870                      | 13.600 | 12.000                    | 11.975 |
| MCM-12-045  | 12                      | 13.6 | 14.4 | 17   | 0.8        | 6.4          | 12.025                      | 13.870                      | 13.600 | 12.000                    | 11.975 |
| MCM-14-03   | 14                      | 15.6 | 16.4 | 19   | 0.8        | 4.6          | 14.025                      | 15.870                      | 15.600 | 14.000                    | 13.975 |
| MCM-16-02   | 16                      | 17.6 | 18.4 | 21   | 0.8        | 3.6          | 16.025                      | 17.870                      | 17.600 | 16.000                    | 15.975 |
| MCM-16-03   | 16                      | 17.6 | 18.4 | 21   | 0.8        | 4.6          | 16.025                      | 17.870                      | 17.600 | 16.000                    | 15.975 |
| MCM-18-02   | 18                      | 20   | 21   | 23   | 0.8        | 4            | 18.025                      | 20.330                      | 20.000 | 18.000                    | 17.975 |
| MCM-18-03   | 18                      | 20   | 21   | 23   | 1.0        | 5.0          | 18.025                      | 20.330                      | 20.000 | 18.000                    | 17.975 |
| MCM-20-03   | 20                      | 22   | 23   | 25   | 1.0        | 5.0          | 20.025                      | 22.330                      | 22.000 | 20.000                    | 19.975 |
| MCM-25-03   | 25                      | 27   | 28   | 30   | 1.0        | 5.0          | 25.025                      | 27.330                      | 27.000 | 25.000                    | 24.975 |
| MCM-25-06   | 25                      | 27   | 28   | 30   | 1          | 8            | 25.025                      | 27.330                      | 27.000 | 25.000                    | 24.975 |

<sup>7)</sup> d1 value is measured with a plug gauge after fitting into a reference housing d2 (+0.005). Please see D11 tolerances table  
► Page 693

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**HENNlich -  
ŽIJEME TECHNIKOU**

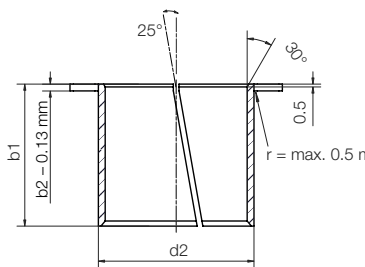
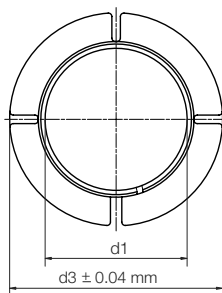
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[www.hennlich.cz/lin-tech](http://www.hennlich.cz/lin-tech)

# iglide® Clip bearings | - Product range

## Split bearings (Clip2) – easy assembly



### Order key

| Type                                | Dimensions |
|-------------------------------------|------------|
| <b>M Y I - 04 - 04</b>              |            |
| iglide® material                    |            |
| Clip2                               |            |
| Inch                                |            |
| Inner-Ø d1 [inch]<br>Based on 1/16" |            |
| Length b1 [mm]<br>Based on 1/16"    |            |



### Material:

iglide® M250 ► Page 121

with anti-rotation feature ► Page 698

### Dimensions [mm]

| Part Number | d1    | d2     | d3      | b1    | b2     | W   | Recommended Housing Bore |        | Recommended Shaft Size |        |
|-------------|-------|--------|---------|-------|--------|-----|--------------------------|--------|------------------------|--------|
|             |       |        |         |       |        |     | Max.                     | Min.   | Max.                   | Min.   |
| MYI-03-03   | 3/16  | 0.2339 | 5/16    | 3/16  | 0.0252 | 25° | 0.2351                   | 0.2339 | 0.1875                 | 0.1865 |
| MYI-04-04   | 1/4   | 0.2965 | 13/32   | 1/4   | 0.0252 | 25° | 0.2979                   | 0.2965 | 0.2500                 | 0.2490 |
| MYI-05-05   | 5/16  | 0.3744 | 1/2     | 5/16  | 0.0299 | 25° | 0.3758                   | 0.3744 | 0.3125                 | 0.3115 |
| MYI-05-07   | 5/16  | 0.3744 | 1/2     | 7/16  | 0.0299 | 25° | 0.3758                   | 0.3744 | 0.3125                 | 0.3115 |
| MYI-05-10   | 5/16  | 0.3744 | 1/2     | 5/8   | 0.0299 | 25° | 0.3758                   | 0.3744 | 0.3125                 | 0.3115 |
| MYI-06-06   | 3/8   | 0.4370 | 19/32   | 3/8   | 0.0299 | 25° | 0.4387                   | 0.4370 | 0.3750                 | 0.3740 |
| MYI-06-11   | 3/8   | 0.4370 | 19/32   | 11/16 | 0.0299 | 25° | 0.4387                   | 0.4370 | 0.3750                 | 0.3740 |
| MYI-07-07   | 7/16  | 0.4996 | 21/32   | 7/16  | 0.0299 | 25° | 0.5013                   | 0.4996 | 0.4375                 | 0.4365 |
| MYI-08-03   | 1/2   | 0.5618 | 3/4     | 3/16  | 0.0299 | 25° | 0.5635                   | 0.5618 | 0.5000                 | 0.4990 |
| MYI-08-06   | 1/2   | 0.5618 | 3/4     | 3/8   | 0.0299 | 25° | 0.5635                   | 0.5618 | 0.5000                 | 0.4990 |
| MYI-08-08   | 1/2   | 0.5618 | 3/4     | 1/2   | 0.0299 | 25° | 0.5635                   | 0.5618 | 0.5000                 | 0.4990 |
| MYI-10-07   | 5/8   | 0.6870 | 15/16   | 7/16  | 0.0299 | 25° | 0.6887                   | 0.6870 | 0.6250                 | 0.6240 |
| MYI-10-10   | 5/8   | 0.6870 | 15/16   | 5/8   | 0.0299 | 25° | 0.6887                   | 0.6870 | 0.6250                 | 0.6240 |
| MYI-10-14   | 5/8   | 0.6870 | 15/16   | 7/8   | 0.0299 | 25° | 0.6887                   | 0.6870 | 0.6250                 | 0.6240 |
| MYI-10-18   | 5/8   | 0.6870 | 15/16   | 1 1/8 | 0.0299 | 25° | 0.6887                   | 0.6870 | 0.6250                 | 0.6240 |
| MYI-12-12   | 3/4   | 0.8118 | 1 1/8   | 3/4   | 0.0299 | 25° | 0.8139                   | 0.8118 | 0.7500                 | 0.7490 |
| MYI-12-18   | 3/4   | 0.8118 | 1 1/8   | 1 1/8 | 0.0299 | 25° | 0.8139                   | 0.8118 | 0.7500                 | 0.7490 |
| MYI-14-7.5  | 7/8   | 0.9370 | 1 5/16  | 15/32 | 0.0299 | 25° | 0.9391                   | 0.9370 | 0.8750                 | 0.8740 |
| MYI-14-14   | 7/8   | 0.9370 | 1 5/16  | 7/8   | 0.0299 | 25° | 0.9391                   | 0.9370 | 0.8750                 | 0.8740 |
| MYI-16-10   | 1     | 1.0933 | 1 1/2   | 5/8   | 0.0449 | 25° | 1.0954                   | 1.0933 | 1.0000                 | 0.9985 |
| MYI-16-14   | 1     | 1.0933 | 1 1/2   | 7/8   | 0.0449 | 25° | 1.0954                   | 1.0933 | 1.0000                 | 0.9985 |
| MYI-16-16   | 1     | 1.0933 | 1 1/2   | 1     | 0.0449 | 25° | 1.0954                   | 1.0933 | 1.0000                 | 0.9985 |
| MYI-18-18   | 1 1/8 | 1.2185 | 1 11/16 | 1 1/8 | 0.0449 | 25° | 1.2205                   | 1.2185 | 1.1250                 | 1.1230 |

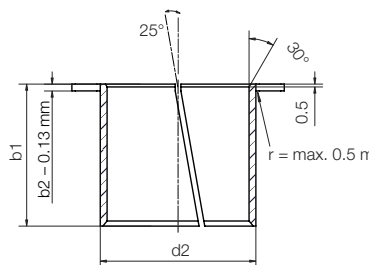
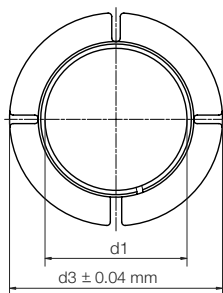
<sup>7)</sup> d1 value is measured with a plug gauge after fitting into a reference housing d2 (+0.005)

<sup>9)</sup> Recommended housing bore tolerance: H9

696 Lifetime calculation, configuration and more ► [www.igus.com/clips](http://www.igus.com/clips)







**Material:**  
iglide® M250 ► Page 121  
with anti-rotation feature ► Page 698



**Order key**

| Type                 | Dimensions |
|----------------------|------------|
| <b>M Y M-04 - 04</b> |            |
| iglide® material     |            |
| <b>Clip2</b>         |            |
| Metric               |            |
| Inner-Ø d1 [mm]      |            |
| Total Length b1 [mm] |            |

### Dimensions [mm]

| Part Number | d1 | d1 tolerance <sup>7)</sup> | d2 <sup>9)</sup> | d3   | b1   | b2  | Recommended Housing Bore |        | Recommended Shaft Size |        |
|-------------|----|----------------------------|------------------|------|------|-----|--------------------------|--------|------------------------|--------|
|             |    |                            |                  |      |      |     | Max.                     | Min.   | Max.                   | Min.   |
| MYM-04-04   | 4  | +0.025 +0.075              | 5.2              | 7.0  | 4.0  | 0.6 | 5.230                    | 5.200  | 4.000                  | 3.975  |
| MYM-05-05   | 5  | +0.025 +0.075              | 6.2              | 8.0  | 5.0  | 0.6 | 6.236                    | 6.200  | 5.000                  | 4.975  |
| MYM-06-06   | 6  | +0.025 +0.075              | 7.2              | 9.5  | 6.0  | 0.6 | 7.236                    | 7.200  | 6.000                  | 5.975  |
| MYM-08-08   | 8  | +0.025 +0.075              | 9.6              | 12.0 | 8.0  | 0.8 | 9.636                    | 9.600  | 8.000                  | 7.975  |
| MYM-10-10   | 10 | +0.025 +0.075              | 11.6             | 15.0 | 10.0 | 0.8 | 11.643                   | 11.600 | 10.000                 | 9.975  |
| MYM-12-06   | 12 | +0.025 +0.075              | 13.6             | 18.0 | 6.0  | 0.8 | 13.643                   | 13.600 | 12.000                 | 11.975 |
| MYM-12-12   | 12 | +0.025 +0.075              | 13.6             | 18.0 | 12.0 | 0.8 | 13.643                   | 13.600 | 12.000                 | 11.975 |
| MYM-14-14   | 14 | +0.025 +0.075              | 15.6             | 21.0 | 14.0 | 0.8 | 15.643                   | 15.600 | 14.000                 | 13.975 |
| MYM-16-16   | 16 | +0.025 +0.075              | 17.6             | 24.0 | 16.0 | 0.8 | 17.643                   | 17.600 | 16.000                 | 15.975 |
| MYM-20-16   | 20 | +0.025 +0.075              | 21.6             | 30.0 | 16.0 | 0.8 | 21.652                   | 21.600 | 20.000                 | 19.948 |
| MYM-20-20   | 20 | +0.025 +0.075              | 21.6             | 30.0 | 20.0 | 0.8 | 21.652                   | 21.600 | 20.000                 | 19.948 |
| MYM-25-25   | 25 | +0.025 +0.075              | 27.4             | 37.5 | 25.0 | 1.2 | 27.348                   | 27.400 | 25.000                 | 24.948 |

<sup>7)</sup> d1 value is measured with a plug gauge after fitting into a reference housing d2 (+0.005)

<sup>9)</sup> Recommended housing bore tolerance: H9

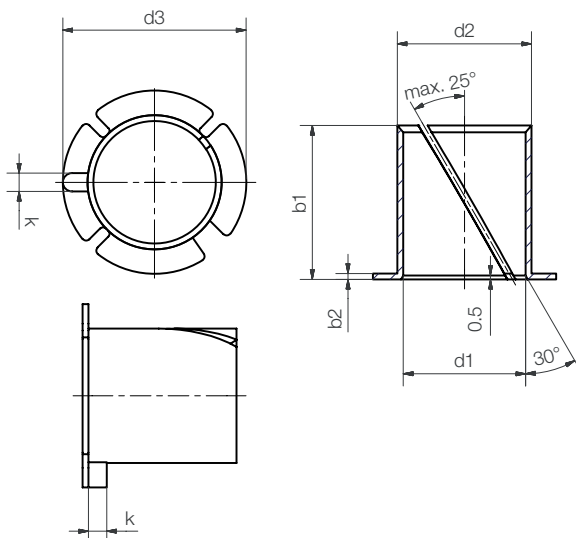


3D-CAD files, prices and delivery time ► [www.igus.com/clips](http://www.igus.com/clips)

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# iglide® Clip bearings | - Product range

## Split bearing with anti-rotation feature



### Order key

| Type                                | Dimensions                       | Option                   |
|-------------------------------------|----------------------------------|--------------------------|
| <b>M Y I - 04 - 04</b>              | <b>K</b>                         |                          |
| iglide® material                    | Clip2                            | Inch                     |
| Inner-Ø d1 [inch]<br>Based on 1/16" | Length b1 [mm]<br>Based on 1/16" | Anti rotation<br>feature |



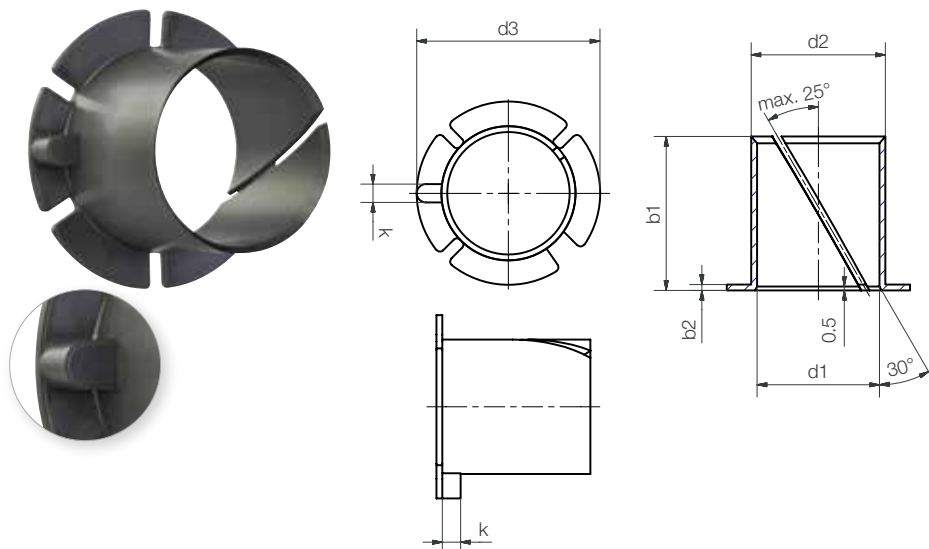
**Material:**  
iglide® M250 ► Page 121

### Dimensions [mm]

| Part Number | d1    | d2     | d3      | b1    | b2     | W   | k    | Recommended Housing Bore |        | Recommended Shaft Size |        |
|-------------|-------|--------|---------|-------|--------|-----|------|--------------------------|--------|------------------------|--------|
|             |       |        |         |       |        |     |      | Max.                     | Min.   | Max.                   | Min.   |
| MYI-04-04K  | 1/4   | 0.2965 | 13/32   | 1/4   | 0.0252 | 25° | 1/16 | 0.2979                   | 0.2965 | 0.2500                 | 0.2490 |
| MYI-05-05K  | 5/16  | 0.3744 | 1/2     | 5/16  | 0.0299 | 25° | 3/32 | 0.3758                   | 0.3744 | 0.3125                 | 0.3115 |
| MYI-05-07K  | 5/16  | 0.3744 | 1/2     | 7/16  | 0.0299 | 25° | 3/32 | 0.3758                   | 0.3744 | 0.3125                 | 0.3115 |
| MYI-06-06K  | 3/8   | 0.4370 | 19/32   | 3/8   | 0.0299 | 25° | 3/32 | 0.4387                   | 0.4370 | 0.3750                 | 0.3740 |
| MYI-07-07K  | 7/16  | 0.4996 | 21/32   | 7/16  | 0.0299 | 25° | 3/32 | 0.5013                   | 0.4996 | 0.4375                 | 0.4365 |
| MYI-08-06K  | 1/2   | 0.5618 | 3/4     | 3/8   | 0.0299 | 25° | 3/32 | 0.5635                   | 0.5618 | 0.5000                 | 0.4990 |
| MYI-08-08K  | 1/2   | 0.5618 | 3/4     | 1/2   | 0.0299 | 25° | 3/32 | 0.5635                   | 0.5618 | 0.5000                 | 0.4990 |
| MYI-10-07K  | 5/8   | 0.6870 | 15/16   | 7/16  | 0.0299 | 25° | 1/8  | 0.6887                   | 0.6870 | 0.6250                 | 0.6240 |
| MYI-10-10K  | 5/8   | 0.6870 | 15/16   | 5/8   | 0.0299 | 25° | 1/8  | 0.6887                   | 0.6870 | 0.6250                 | 0.6240 |
| MYI-10-18K  | 5/8   | 0.6870 | 15/16   | 1 1/8 | 0.0299 | 25° | 1/8  | 0.6887                   | 0.6870 | 0.6250                 | 0.6240 |
| MYI-12-12K  | 3/4   | 0.8118 | 1 1/8   | 3/4   | 0.0299 | 25° | 1/8  | 0.8139                   | 0.8118 | 0.7500                 | 0.7490 |
| MYI-12-18K  | 3/4   | 0.8118 | 1 1/8   | 1 1/8 | 0.0299 | 25° | 1/8  | 0.8139                   | 0.8118 | 0.7500                 | 0.7490 |
| MYI-14-7.5K | 7/8   | 0.9370 | 1 5/16  | 15/32 | 0.0299 | 25° | 1/8  | 0.9391                   | 0.9370 | 0.8750                 | 0.8740 |
| MYI-14-14K  | 7/8   | 0.9370 | 1 5/16  | 7/8   | 0.0299 | 25° | 1/8  | 0.9391                   | 0.9370 | 0.8750                 | 0.8740 |
| MYI-16-10K  | 1     | 1.0933 | 1 1/2   | 5/8   | 0.0449 | 25° | 5/32 | 1.0954                   | 1.0933 | 1.0000                 | 0.9985 |
| MYI-16-14K  | 1     | 1.0933 | 1 1/2   | 7/8   | 0.0449 | 25° | 5/32 | 1.0954                   | 1.0933 | 1.0000                 | 0.9985 |
| MYI-16-16K  | 1     | 1.0933 | 1 1/2   | 1     | 0.0449 | 25° | 5/32 | 1.0954                   | 1.0933 | 1.0000                 | 0.9985 |
| MYI-18-18K  | 1 1/8 | 1.2185 | 1 11/16 | 1 1/8 | 0.0449 | 25° | 5/32 | 1.2205                   | 1.2185 | 1.1250                 | 1.1230 |
| MYI-24-24K  | 1 1/2 | 1.6245 | 2 1/4   | 1 1/2 | 0.0591 | 25° | 3/16 | 1.6265                   | 1.6245 | 1.5000                 | 1.4980 |

<sup>7)</sup> d1 value is measured with a plug gauge after fitting into a reference housing d2 (+0.0002")

<sup>9)</sup> Recommended housing bore tolerance: H9



### Order key

| Type                   | Dimensions     | Option                |
|------------------------|----------------|-----------------------|
| <b>M Y M - 04 - 04</b> |                | <b>K</b>              |
| iglide® material       | Clip2          | Metric                |
| Inner-Ø d1 [mm]        | Length b1 [mm] | Anti rotation feature |



**Material:**  
iglide® M250 ► Page 121

### Dimensions [mm]

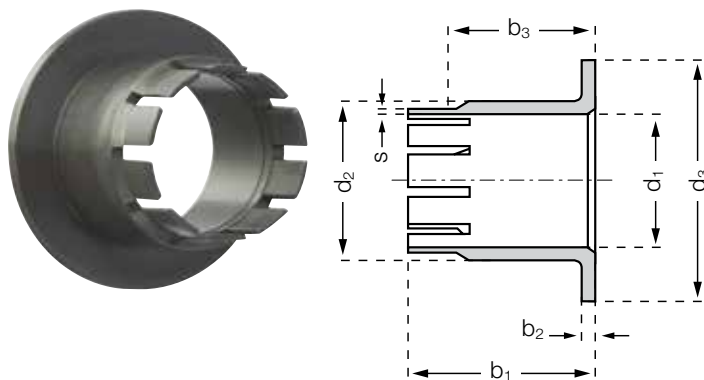
| Part Number | d1 | d2   | d3   | b1   | b2  | W   | k   | Recommended Housing Bore |        | Recommended Shaft Size |        |
|-------------|----|------|------|------|-----|-----|-----|--------------------------|--------|------------------------|--------|
|             |    |      |      |      |     |     |     | Max.                     | Min.   | Max.                   | Min.   |
| MYM-04-04K  | 4  | 5.2  | 7.0  | 4.0  | 0.6 | 25° | 1.0 | 5.230                    | 5.200  | 4.000                  | 3.975  |
| MYM-05-05K  | 5  | 6.2  | 8.0  | 5.0  | 0.6 | 25° | 1.0 | 6.236                    | 6.200  | 5.000                  | 4.975  |
| MYM-06-06K  | 6  | 7.2  | 9.5  | 6.0  | 0.6 | 25° | 1.5 | 7.236                    | 7.200  | 6.000                  | 5.975  |
| MYM-08-08K  | 8  | 9.6  | 12.0 | 8.0  | 0.8 | 25° | 1.5 | 9.636                    | 9.600  | 8.000                  | 7.975  |
| MYM-10-10K  | 10 | 11.6 | 15.0 | 10.0 | 0.8 | 25° | 2.0 | 11.643                   | 11.600 | 10.000                 | 9.975  |
| MYM-14-14K  | 14 | 15.6 | 21.0 | 14.0 | 0.8 | 25° | 3.0 | 15.643                   | 15.600 | 14.000                 | 13.975 |

<sup>7)</sup> d1 value is measured with a plug gauge after fitting into a reference housing d2 (+0.005)

<sup>9)</sup> Recommended housing bore tolerance: H9

# iglide® Clip bearings | - Product range

Flanged bearings – press in and fold down



**i** Material:  
iglide® M250 ► Page 121

**Order key**

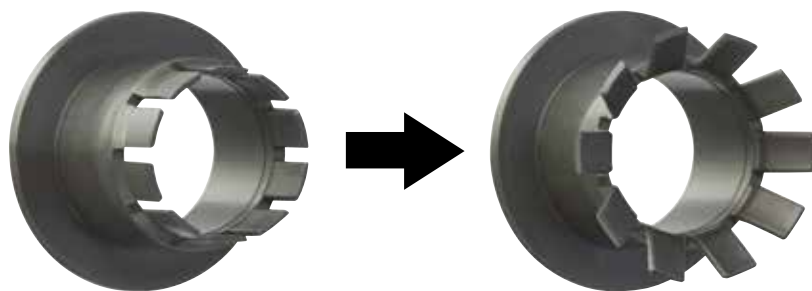
| Type                       | Dimensions |
|----------------------------|------------|
| M K M-10 12-10             |            |
| iglide® material           |            |
| Type (Form K)              |            |
| Metric                     |            |
| Inner-Ø d1 [mm]            |            |
| Outer-Ø d2 [mm]            |            |
| Sheet metal thickness [mm] |            |

Sample dimension [mm]

| Part No.    | d1 | d1 Tolerance<br>E10 | d2 | d3  | b1  | b2    | b3        | s    |
|-------------|----|---------------------|----|-----|-----|-------|-----------|------|
|             |    |                     |    | d13 | h13 | -0.14 | +0.1/+0.7 | ±0.1 |
| MKM-1012-10 | 10 | +0.025 +0.083       | 12 | 18  | 14  | 1     | 10        | 0.4  |

<sup>3)</sup> After pressfit. Testing methods ► Page 57

**Assembly:**



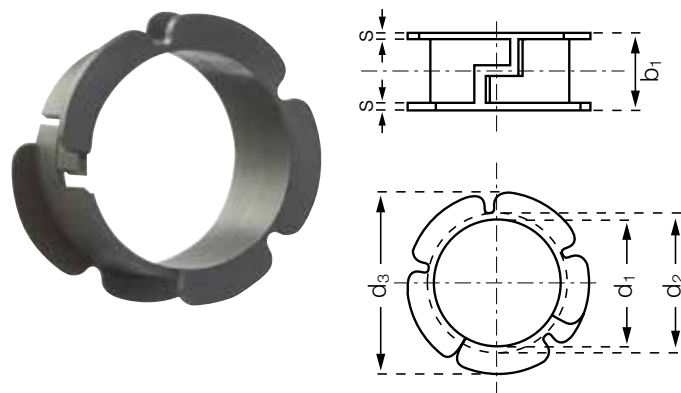
Press in, fold down, ready: axial load on both sides



**i** Please contact us if you need a custom-made bearing for your application. We will help you with your design, drawing on the experience that we have with a large number of custom bearing solutions.

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igus



### Order key

| Type               | Dimensions    |        |                 |                 |                            |
|--------------------|---------------|--------|-----------------|-----------------|----------------------------|
| M D M - 12 13 - 06 |               |        |                 |                 |                            |
| iglide® material   | Type (Form D) | Metric | Inner-Ø d1 [mm] | Outer-Ø d2 [mm] | Sheet metal thickness [mm] |

**i** Material:  
iglide® M250 ► Page 121

### Sample dimension [mm]

| Part No.    | d1 | d1 Tolerance <sup>8)</sup> | d2 | d3   | b1 | s   |
|-------------|----|----------------------------|----|------|----|-----|
| MDM-1213-06 | 12 | +0.050 +0.160              | 13 | 16.5 | 7  | 0.5 |

<sup>8)</sup> d1 value is measured with a pin gauge after fitting into a reference housing d2 (+0.005)



### Assembly:



Please contact us if you need a custom-made bearing for your application. We will help you with your design, drawing on the experience that we have with a large number of custom bearing solutions. bearing solutions.

# iglide® Clip bearings - Custom solution

iglide® Snap-On: connect and snap into place



**Material:**  
iglide® M250 ► Page 121

## The solution for all applications in stamped sheet metal retainers

iglide® Snap-On are frequently used in seat and convertible top systems and multi-joint hinges. iglide® clip-on bearings allow for captured assembly even in punched sheet metal / steering arms with limited fine blanking content.

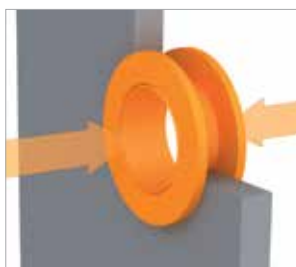
- Compensation of axial clearance
- Pre-assembly possible
- Electrically conductive materials are available
- Pressure-resistant materials up to 11,600 psi

The snap-on bearings can also be produced from electrically conducting and other materials for e-coating purposes.



## Assembly:

The washer is snapped onto the flange bushing with undercuts.



Please contact us if you need a custom-made bearing for your application. We will help you with your design, drawing on the experience that we have with a large number of custom bearing solutions. bearing solutions.

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