The General Purpose Bearing – iglidur® G: the most sold iglidur® bearing worldwide

Over 650 sizes available ex stock

Maintenance-free, dry running

High wear resistance

Resistance to dust and dirt

Cost-effective

iglidur® G | The General Purpose Bearing

Most popular iglidur® material worldwide. iglidur® G bearings cover an extremely wide range of different requirements – they are truly "all round". Typical applications include medium to high loads, medium sliding speeds and medium temperatures.
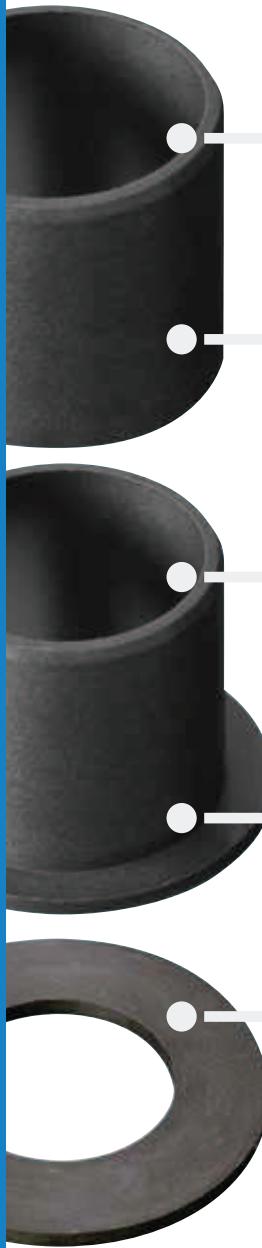
Maintenance-free, dry running

High wear resistance

Resistance to dust and dirt

Over 650 sizes available ex stock

Cost-effective

When to use it?
- Economical all-round performance bearing
- Maintenance-free, dry running
- Vibration dampening
- High wear resistance
- Resistance to dust and dirt
- Over 900 sizes available from stock
- Cost-effective
- For above average loads
- For low to average running speeds
- When the bearing needs to run on different shaft materials
- For oscillating and rotational movements

When not to use it?
- When mechanical reaming of the wall surface is necessary
  ▶ iglidur® M250, page 127
- When the highest wear resistance is required
  ▶ iglidur® W300, page 151
- When universal chemical resistance is required iglidur®X, page 173
- If temperatures are constantly greater than +130 °C
  ▶ iglidur® H, page 353
  ▶ iglidur® X, page 173
  ▶ iglidur® H370, page 375
- For underwater use
  ▶ iglidur® H370, page 375

Temperature

+130°

−40°
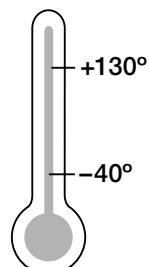
Product range

3 types
> 650 dimensions
Ø 1.5–195 mm

iglidur® G | Application Examples

Typical sectors of industry and application areas
● Agricultural machines ● Construction machinery ● Machine building ● Sports and leisure ● Automotive etc.

Improve technology and reduce costs –
310 exciting examples for iglidur® plain bearings online
► www.igus.eu/iglidur-applications

► www.igus.eu/hay-spreader

► www.igus.eu/vehicle-construction

► www.igus.eu/swing-arm

► www.igus.eu/veneer-assembling

iglidur® G | Technical Data

Material properties table

| General properties	Unit	iglidur® G	Testing method
Density	g/cm³	1.46	
Colour		dark grey	
Max. moisture absorption at +23°C/50% r.h.	% weight	0.7	DIN 53495
Max. water absorption	% weight	4.0	
Coefficient of sliding friction, dynamic against steel	μ	0.08–0.15	
pv value, max. (dry)	MPa · m/s	0.42	
Mechanical properties			
Modulus of elasticity	MPa	7,800	DIN 53457
Tensile strength at +20°C	MPa	210	DIN 53452
Compressive strength	MPa	78	
Max. recommended surface pressure (+20°C)	MPa	80	
Shore D hardness		81	DIN 53505
Physical and thermal properties			
Max. long term application temperature	°C	+130	
Max. short term application temperature	°C	+220	
Min. application temperature	°C	–40	
Thermal conductivity	W/m · K	0.24	ASTM C 177
Coefficient of thermal expansion (at +23°C)	K⁻¹ · 10⁻⁵	9	DIN 53752
Electrical properties			
Specific volume resistance	Ωcm	> 10^{13}	DIN IEC 93
Surface resistance	Ω	> 10^{11}	DIN 53482

Table 01: Material properties table
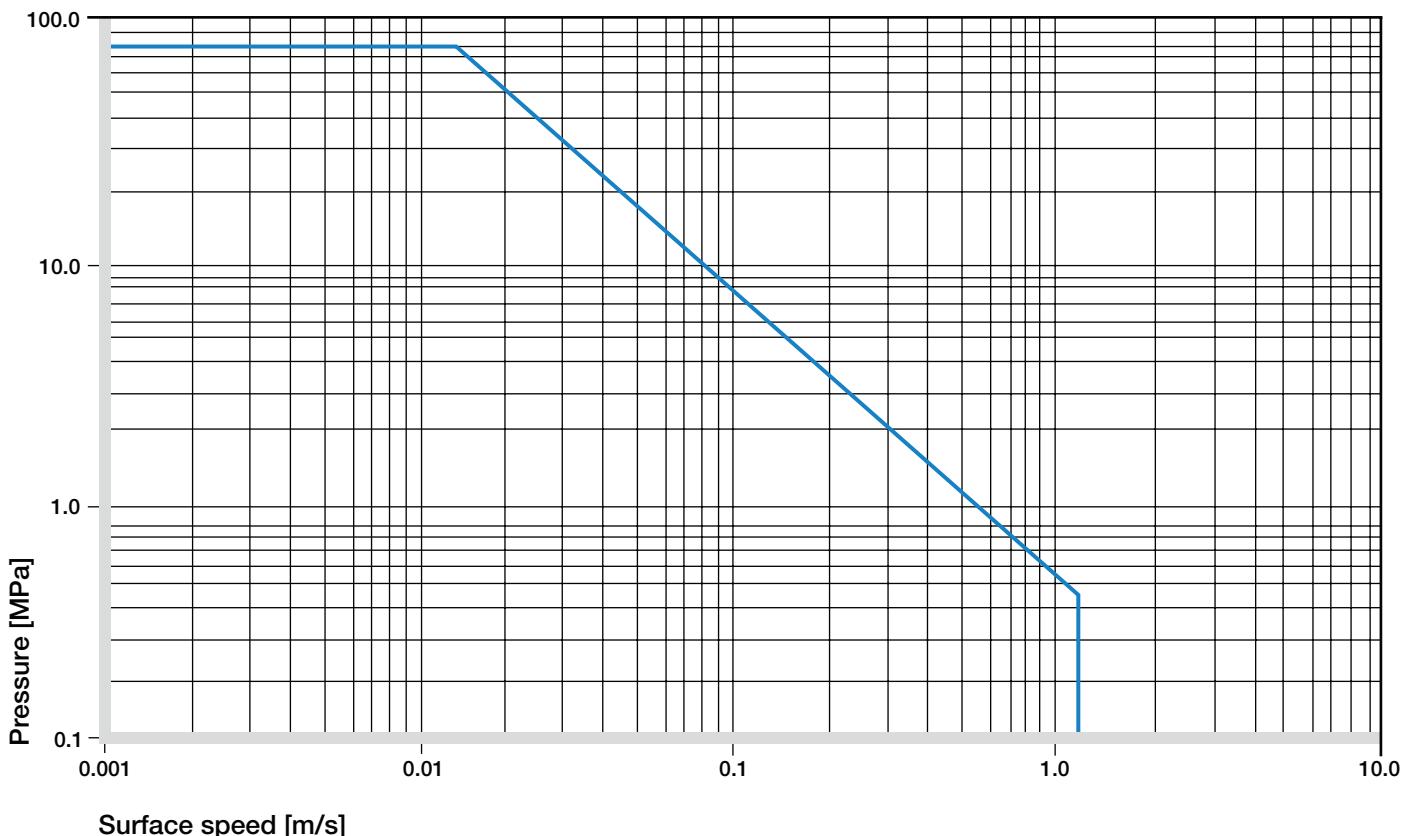
Diagram 01: Permissible pv values for iglidur® G with a wall thickness of 1 mm dry running against a steel shaft at +20°C, mounted in a steel housing

iglidur® G | Technical Data

iglidur® G is the decathlete among iglidur® materials. It performs exceedingly well in all technical disciplines and is the classic all-rounder, primarily with respect to the overall general, mechanical, thermal and tribological specifications.

Mechanical Properties

With increasing temperatures, the compressive strength of iglidur® G plain bearings decreases. The Diagram 02 shows this inverse relationship. However, at the longterm maximum temperature of +130 °C the permissible surface pressure is almost 35 MPa. The recommended maximum surface pressure is a mechanical material parameter. No conclusions regarding the tribological properties can be drawn from this.
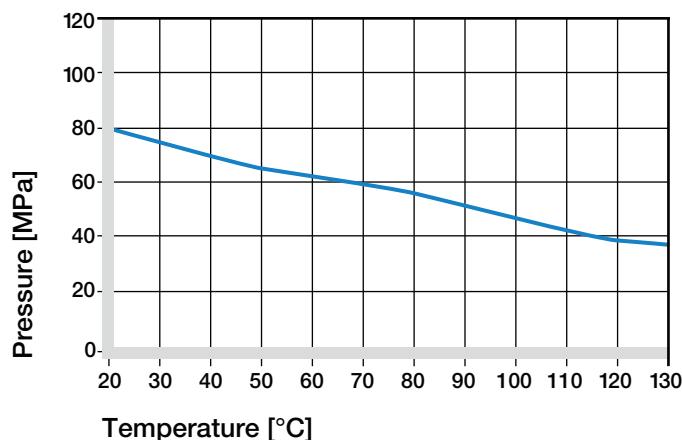

Diagram 02: Recommended maximum surface pressure as a function of temperature (80 MPa at +20 °C)

Diagram 03 shows the elastic deformation of iglidur® G during radial loading. At the recommended maximum surface pressure of 80 MPa the deformation is less than 4 %. The plastic deformation is minimal up to a pressure of approximately 100 MPa. However, it is also dependant on the cycle time.

▶ Surface Pressure, **page 63**
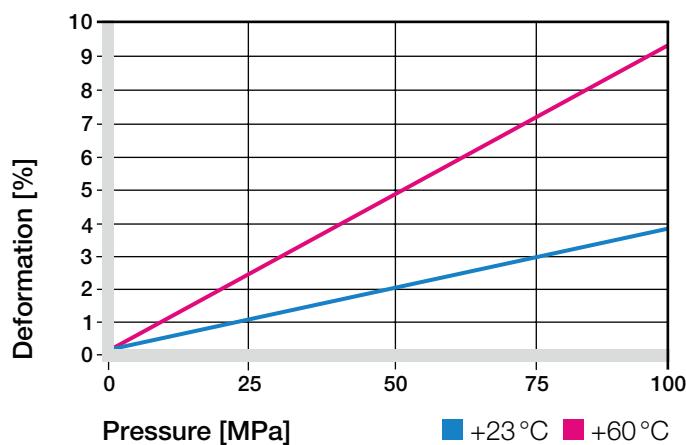
Diagram 03: Deformation under pressure and temperature

Permissible Surface Speeds

iglidur® G has been developed for low to medium surface speeds.
The maximum values shown in table 02 can only be achieved at low pressures. At the given speeds, friction can cause a temperature increase to maximum permissible levels. In practice, though, this temperature level is rarely reached due to varying application conditions.

▶ Surface Speed, **page 65**

m/s	Rotating	Oscillating	Linear
Continuous	1	0.7	4
Short term	2	1.4	5

Table 02: Maximum running speed

Temperatures

Application temperatures greatly affect the properties of plain bearings.
The short term maximum temperature is +220 °C, this allows the use of iglidur® G plain bearings in heat treating applications in which the bearings are not subjected to additional loading.
The temperature in an application also has an effect on the bearing wear. With increasing temperatures, the wear increases and this effect is significant when temperatures rise over +120 °C.

▶ Application Temperatures, **page 66**

iglidur® G	Application temperature
Minimum	−40 °C
Max. long term	+130 °C
Max. short term	+220 °C
Add. securing is required from	+80 °C

Table 03: Temperature limits

Friction and Wear

Similar to wear resistance, the coefficient of friction μ also changes with the load. The coefficient of friction decreases with increasing pressures, whereas an increase in surface speed causes an increase of the coefficient of friction. This relationship explains the excellent results of iglidur® G plain bearings for high loads and low speeds (Diagrams 04 and 05).

▶ Coefficients of Friction and Surfaces, **page 68**
▶ Wear Resistance, **page 69**
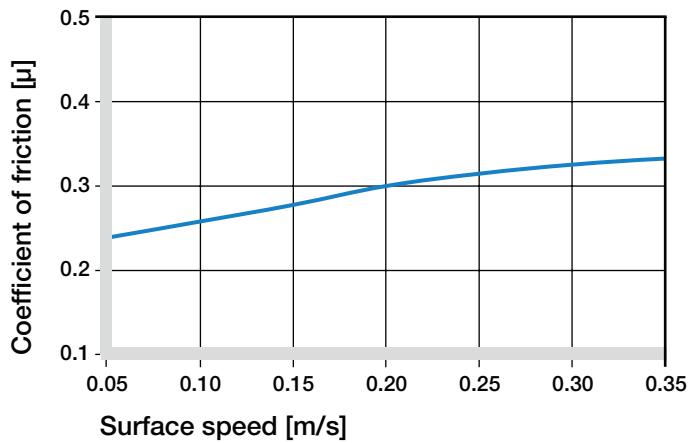
Diagram 04: Coefficient of friction as a function of the running speed, p = 0.75 MPa
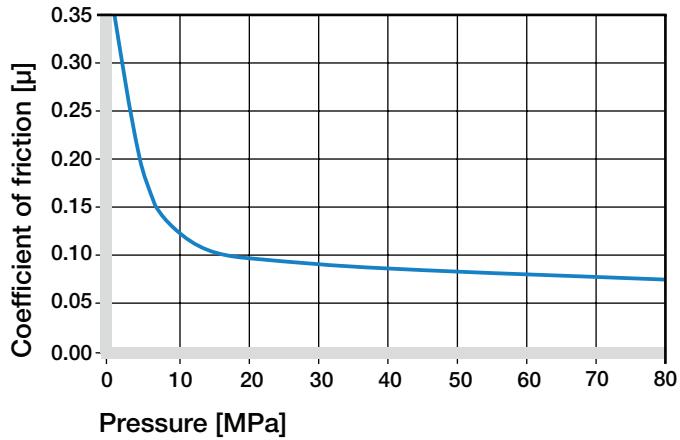
Diagram 05: Coefficient of friction as a function of the pressure, v = 0.01 m/s

Shaft Materials

The friction and wear are also dependent. to a large degree. on the shaft material. Shafts that are too smooth, increase both the coefficient of friction and the wear of the bearing. For iglidur® G a ground surface with an average roughness Ra = 0.8 μm is recommended (Diagram 06).

Diagrams 07 to 09 show results of testing different shaft materials with plain bearings made of iglidur® G. In Diagram 07 it shows that iglidur® G can be combined with various shaft materials. The simple shaft materials of free-cutting steel and HR carbon steel have proven best at low loads. This helps to design cost-effective systems, since both iglidur® G and the shaft are economically priced. It is important to notice that with increasing loads, the recommended hardness of the shaft increases. The "soft" shafts tend to wear more easily and thus the wear of the overall system. If the loads exceed 2 MPa it is important to recognize that the wear rate (the gradient of the curves) clearly decreases with the hard shaft materials. The comparison of rotational movements to oscillating movements shows that iglidur® G provides advantages in oscillating movements. The wear of the bearing is smaller for equivalent conditions. The higher the load, the greater the difference.

If the shaft material you plan on using is not shown in these test results, please contact us.

▶ Shaft Materials, **page 71**
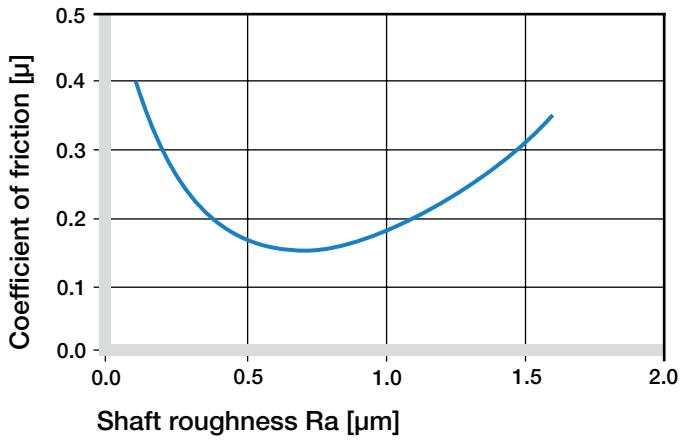
Diagram 06: Coefficient of friction as function of the shaft surface (Cf53 hardened and ground steel)

iglidur® G | Technical Data
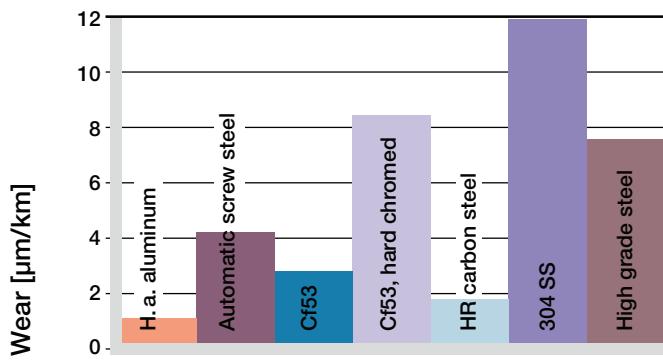
Diagram 07: Wear, rotating with different shaft materials, pressure p = 1 MPa, v = 0.3 m/s

Pressure [MPa]
- Cf53
- HR carbon steel
- 304 SS
- hard chromed
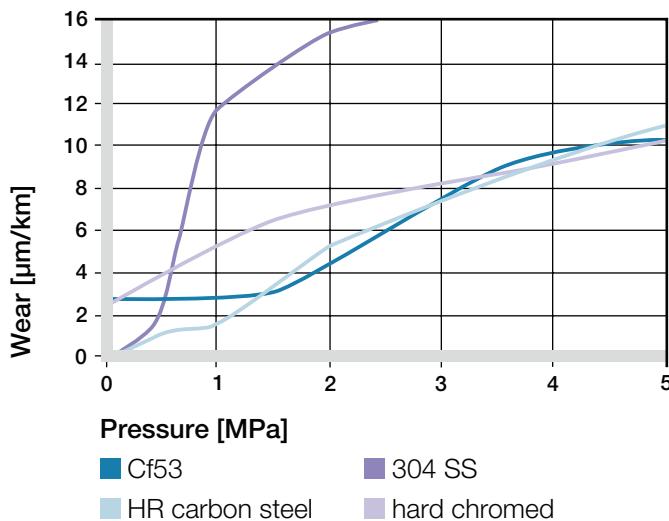
Diagram 08: Wear with different shaft materials in rotational operation, as a function of the pressure

Pressure [MPa]
—— rotating   ---- oscillating
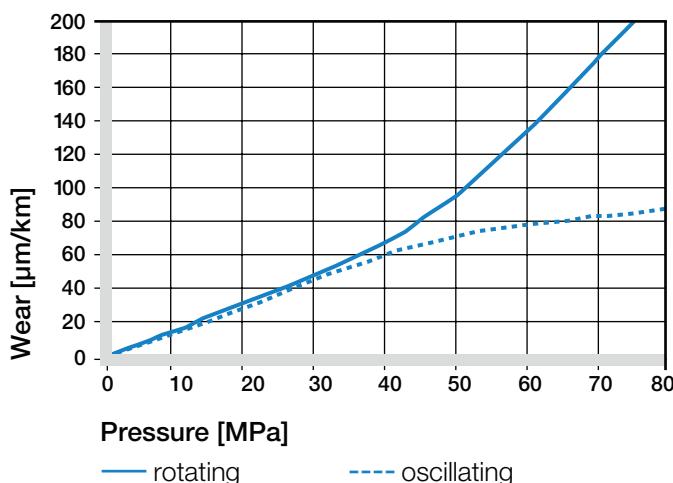
Diagram 09: Wear for oscillating and rotating applications with shaft material Cf53 hardened and ground steel, as a function of the pressure

iglidur® G	Dry	Greases	Oil	Water
C. o. f. μ	0.08–0.15	0.09	0.04	0.04

Table 04: Coefficient of friction against steel (Ra = 1 μm, 50 HRC)

Additional Properties

Chemical Resistance
iglidur® G plain bearings have strong resistance to chemicals. They are also resistant to most lubricants.
iglidur® G plain bearings are not attacked by most weak organic or inorganic acids.

▶ Chemical Table, **page 1258**

Medium	Resistance
Alcohol	+ to 0
Hydrocarbons	+
Greases. oils without additives	+
Fuels	+
Diluted acids	0 to −
Strong acids	−
Diluted alkalines	+
Strong alkalines	0

+ resistant 0 conditionally resistant – not resistant
All data given at room temperature [+20 °C]
Table 05: Chemical resistance

Radiation Resistance
Plain bearings made of iglidur® G are resistant to radiation up to an intensity of $3 \cdot 10^2$ Gy.

UV Resistance
iglidur® G plain bearings are permanently resistant to UV radiation.

Vacuum
iglidur® G plain bearings outgas in a vacuum. Use in a vacuum environment is only possible with dehumidified bearings.

Electrical Properties
iglidur® G plain bearings are electrically insulating.

Volume resistance	$> 10^{13}$ Ωcm
Surface resistance	$> 10^{11}$ Ω

iglidur® G | Technical Data

Moisture Absorption

The moisture absorption of iglidur® G plain bearings is approximately 0.7 % in standard atmosphere. The saturation limit submerged in water is 4 %. This must be taken into account for these types of applications.

Maximum moisture absorption	
At +23 °C/50 % r.h.	0.7 % weight
Max. water absorption	4.0 % weight

Table 06: Moisture absorption
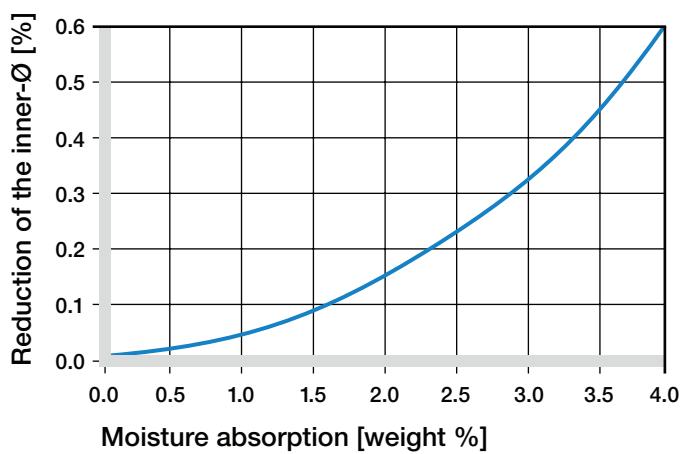
Diagram 10: Effect of moisture absorption on plain bearings

Installation Tolerances

iglidur® G plain bearings are standard bearings for shafts with h-tolerance (recommended minimum h9). The bearings are designed for pressfit into a housing machined to a H7 tolerance. After being assembled into a nominal size housing, in standard cases the inner diameter automatically adjusts to the E10 tolerances. For particular dimensions the tolerance differs depending on the wall thickness (please see product range table).

▶ Testing Methods, **page 75**

Diameter d1 [mm]	Shaft h9 [mm]	iglidur® G E10 [mm]	Housing H7 [mm]
up to 3	0–0.025	+0.014 +0.054	0 +0.010
> 3 to 6	0–0.030	+0.020 +0.068	0 +0.012
> 6 to 10	0–0.036	+0.025 +0.083	0 +0.015
> 10 to 18	0–0.043	+0.032 +0.102	0 +0.018
> 18 to 30	0–0.052	+0.040 +0.124	0 +0.021
> 30 to 50	0–0.062	+0.050 +0.150	0 +0.025
> 50 to 80	0–0.074	+0.060 +0.180	0 +0.030
> 80 to 120	0–0.087	+0.072 +0.212	0 +0.035
> 120 to 180	0–0.100	+0.085 +0.245	0 +0.040

Table 07: Important tolerances for plain bearings according to ISO 3547-1 after pressfit

iglidur® G | Product Range

Sleeve Bearing

Dimensions according to ISO 3547-1 and special dimensions
* thickness < 1 mm, chamfer = 20°
Chamfer in relation to the d1

d1 [mm]:	Ø 1–6	Ø 6–12	Ø 12–30	Ø > 30
f [mm]:	0.3	0.5	0.8	1.2

Order key

GSM-0103-02

- Length b1
- Outer diameter d2
- Inner diameter d1
- Metric
- Type (Form S)
- Material iglidur® G

Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	b1 h13
GSM-0103-02	1.5	+0.014 +0.054	3.0	2.0
GSM-0203-03	2.0	+0.014 +0.054	3.5	3.0
GSM-02504-05	2.5	+0.014 +0.054	4.5	5.0
GSM-0304-03	3.0	+0.014 +0.054	4.5	3.0
GSM-0304-05	3.0	+0.014 +0.054	4.5	5.0
GSM-0304-06	3.0	+0.014 +0.054	4.5	6.0
GSM-0405-04	4.0	+0.020 +0.068	5.5	4.0
GSM-0405-06	4.0	+0.020 +0.068	5.5	6.0
GSM-0406-08	4.5	+0.020 +0.068	6.0	8.0
GSM-0407-05	4.0	+0.020 +0.068	7.0	5.5
GSM-0506-046	5.0	+0.010 +0.040	6.0	4.6
GSM-0506-05	5.0	+0.010 +0.040	6.0	5.0
GSM-0506-07	5.0	+0.010 +0.040	6.0	7.0
GSM-0507-05	5.0	+0.020 +0.068	7.0	5.0
GSM-0507-07	5.0	+0.020 +0.068	7.0	7.0
GSM-0507-08	5.0	+0.020 +0.068	7.0	8.0
GSM-0507-10	5.0	+0.020 +0.068	7.0	10.0
GSM-0607-06	6.0	+0.010 +0.040	7.0	6.0
GSM-0607-12	6.0	+0.010 +0.040	7.0	12.0
GSM-0607-17	6.0	+0.010 +0.040	7.0	17.0
GSM-0607-17.5	6.0	+0.010 +0.040	7.0	17.5
GSM-0607-19	6.0	+0.010 +0.040	7.0	19.0
GSM-0608-015	6.0	+0.020 +0.068	8.0	1.5
GSM-0608-025	6.0	+0.020 +0.068	8.0	2.5
GSM-0608-03	6.0	+0.020 +0.068	8.0	3.0
GSM-0608-04	6.0	+0.020 +0.068	8.0	4.0
GSM-0608-05	6.0	+0.020 +0.068	8.0	5.0
GSM-0608-055	6.0	+0.020 +0.068	8.0	5.5
GSM-0608-06	6.0	+0.020 +0.068	8.0	6.0
GSM-0608-08	6.0	+0.020 +0.068	8.0	8.0
GSM-0608-09	6.0	+0.020 +0.068	8.0	9.5
GSM-0608-10	6.0	+0.020 +0.068	8.0	10.0
GSM-0608-11	6.0	+0.020 +0.068	8.0	11.8
GSM-0608-13	6.0	+0.020 +0.068	8.0	13.8
GSM-0708-10	7.0	+0.013 +0.049	8.0	10.0
GSM-0708-19	7.0	+0.013 +0.049	8.0	19.0
GSM-0709-08	7.0	+0.025 +0.083	9.0	8.0
GSM-0709-09	7.0	+0.025 +0.083	9.0	9.0
GSM-0709-10	7.0	+0.025 +0.083	9.0	10.0
GSM-0709-12	7.0	+0.025 +0.083	9.0	12.0
GSM-0809-05	8.0	+0.013 +0.049	9.0	5.0
GSM-0809-06	8.0	+0.013 +0.049	9.0	6.0
GSM-0809-08	8.0	+0.013 +0.049	9.0	8.0
GSM-0809-12	8.0	+0.013 +0.049	9.0	12.0
GSM-0810-05	8.0	+0.025 +0.083	10.0	5.0
GSM-0810-06	8.0	+0.025 +0.083	10.0	6.0
GSM-0810-07	8.0	+0.025 +0.083	10.0	6.8
GSM-0810-08	8.0	+0.025 +0.083	10.0	8.0
GSM-0810-10	8.0	+0.025 +0.083	10.0	10.0
GSM-0810-12	8.0	+0.025 +0.083	10.0	12.0

* after pressfit. Testing methods ▶ page 75

delivery time from stock

prices price list online
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Sleeve Bearing

Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	b1 h13	Part number	d1	d1-Tolerance*	d2	b1 h13
GSM-0810-13	8.0	+0.025 +0.083	10.0	13.8	GSM-1214-10	12.0	+0.032 +0.102	14.0	10.0
GSM-0810-15	8.0	+0.025 +0.083	10.0	15.0	GSM-1214-12	12.0	+0.032 +0.102	14.0	12.0
GSM-0810-16	8.0	+0.025 +0.083	10.0	16.0	GSM-1214-14	12.0	+0.032 +0.102	14.0	14.0
GSM-0810-20	8.0	+0.025 +0.083	10.0	20.0	GSM-1214-15	12.0	+0.032 +0.102	14.0	15.0
GSM-0810-22	8.0	+0.025 +0.083	10.0	22.0	GSM-1214-20	12.0	+0.032 +0.102	14.0	20.0
GSM-0810-25	8.0	+0.025 +0.083	10.1	25.0	GSM-1214-25	12.0	+0.032 +0.102	14.0	25.0
GSM-0812-09	8.0	+0.040 +0.130	12.0	9.0	GSM-1215-06	12.0	+0.032 +0.102	15.0	6.0
GSM-0910-12	9.0	+0.013 +0.049	10.0	12.0	GSM-1215-22	12.0	+0.032 +0.102	15.0	22.0
GSM-0910-16	9.0	+0.013 +0.049	10.0	16.0	GSM-1216-10	12.0	+0.050 +0.160	16.0	10.0
GSM-0911-06	9.0	+0.025 +0.083	11.0	6.0	GSM-1216-20	12.0	+0.050 +0.160	16.0	20.0
GSM-0911-20	9.0	+0.025 +0.083	11.0	20.0	GSM-1315-070	13.0	+0.032 +0.102	15.0	7.0
GSM-1011-06	10.0	+0.013 +0.049	11.0	6.0	GSM-1315-075	13.0	+0.032 +0.102	15.0	7.5
GSM-1011-07	10.0	+0.013 +0.049	11.0	7.0	GSM-1315-10	13.0	+0.032 +0.102	15.0	10.0
GSM-1011-10	10.0	+0.013 +0.049	11.0	10.0	GSM-1315-15	13.0	+0.032 +0.102	15.0	15.0
GSM-1011-20	10.0	+0.013 +0.049	11.0	20.0	GSM-1315-20	13.0	+0.032 +0.102	15.0	20.0
GSM-1011-25	10.0	+0.013 +0.049	11.0	25.0	GSM-1315-25	13.0	+0.032 +0.102	15.0	25.0
GSM-1011-30	10.0	+0.013 +0.049	11.0	30.0	GSM-1416-03	14.0	+0.032 +0.102	16.0	3.0
GSM-1012-04	10.0	+0.025 +0.083	12.0	4.0	GSM-1416-06	14.0	+0.032 +0.102	16.0	6.0
GSM-1012-045	10.0	+0.025 +0.083	12.0	4.5	GSM-1416-08	14.0	+0.032 +0.102	16.0	8.0
GSM-1012-05	10.0	+0.025 +0.083	12.0	5.0	GSM-1416-10	14.0	+0.032 +0.102	16.0	10.0
GSM-1012-06	10.0	+0.025 +0.083	12.0	6.0	GSM-1416-12	14.0	+0.032 +0.102	16.0	12.0
GSM-1012-07	10.0	+0.025 +0.083	12.0	7.0	GSM-1416-15	14.0	+0.032 +0.102	16.0	15.0
GSM-1012-08	10.0	+0.025 +0.083	12.0	8.0	GSM-1416-20	14.0	+0.032 +0.102	16.0	20.0
GSM-1012-09	10.0	+0.025 +0.083	12.0	9.0	GSM-1416-25	14.0	+0.032 +0.102	16.0	25.0
GSM-1012-10	10.0	+0.025 +0.083	12.0	10.0	GSM-1416-45	14.0	+0.032 +0.102	16.0	45.0
GSM-1012-12	10.0	+0.025 +0.083	12.0	12.0	GSM-1516-10	15.0	+0.016 +0.059	16.0	10.0
GSM-1012-14	10.0	+0.025 +0.083	12.0	14.0	GSM-1516-15	15.0	+0.016 +0.059	16.0	15.0
GSM-1012-15	10.0	+0.025 +0.083	12.0	15.0	GSM-1517-04	15.0	+0.032 +0.102	17.0	4.0
GSM-1012-17	10.0	+0.025 +0.083	12.0	17.0	GSM-1517-10	15.0	+0.032 +0.102	17.0	10.0
GSM-1012-20	10.0	+0.025 +0.083	12.0	20.0	GSM-1517-12	15.0	+0.032 +0.102	17.0	12.0
GSM-1013-13	10.0	+0.025 +0.083	13.0	13.5	GSM-1517-15	15.0	+0.032 +0.102	17.0	15.0
GSM-1014-10	10.0	+0.025 +0.115	14.0	10.0	GSM-1517-20	15.0	+0.032 +0.102	17.0	20.0
GSM-1014-20	10.0	+0.025 +0.115	14.0	20.0	GSM-1517-25	15.0	+0.032 +0.102	17.0	25.0
GSM-1016-10	10.0	+0.040 +0.130	16.0	10.0	GSM-1618-055	16.0	+0.032 +0.102	18.0	5.5
GSM-1213-047	12.0	+0.016 +0.059	13.0	4.7	GSM-1618-08	16.0	+0.032 +0.102	18.0	8.0
GSM-1213-10	12.0	+0.016 +0.059	13.0	10.0	GSM-1618-10	16.0	+0.032 +0.102	18.0	10.0
GSM-1213-12	12.0	+0.016 +0.059	13.0	12.0	GSM-1618-12	16.0	+0.032 +0.102	18.0	12.0
GSM-1213-15	12.0	+0.016 +0.059	13.0	15.0	GSM-1618-13.5	16.0	+0.032 +0.102	18.0	13.5
GSM-1214-04	12.0	+0.032 +0.102	14.0	4.0	GSM-1618-15	16.0	+0.032 +0.102	18.0	15.0
GSM-1214-05	12.0	+0.032 +0.102	14.0	5.0	GSM-1618-20	16.0	+0.032 +0.102	18.0	20.0
GSM-1214-06	12.0	+0.032 +0.102	14.0	6.0	GSM-1618-25	16.0	+0.032 +0.102	18.0	25.0
GSM-1214-08	12.0	+0.032 +0.102	14.0	8.0	GSM-1618-30	16.0	+0.032 +0.102	18.0	30.0

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Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	b1 h13
GSM-1618-50	16.0	+0.032 +0.102	18.0	50.0
GSM-1819-15	18.0	+0.016 +0.059	19.0	15.0
GSM-1820-06	18.0	+0.032 +0.102	20.0	6.0
GSM-1820-10	18.0	+0.032 +0.102	20.0	10.0
GSM-1820-12	18.0	+0.032 +0.102	20.0	12.0
GSM-1820-15	18.0	+0.032 +0.102	20.0	15.0
GSM-1820-20	18.0	+0.032 +0.102	20.0	20.0
GSM-1820-25	18.0	+0.032 +0.102	20.0	25.0
GSM-1820-34	18.0	+0.032 +0.102	20.0	34.0
GSM-1820-38	18.0	+0.032 +0.102	20.0	38.0
GSM-1820-45	18.0	+0.032 +0.102	20.0	45.0
GSM-1822-30	18.0	+0.032 +0.102	22.0	30.0
GSM-1922-06	19.0	+0.040 +0.124	22.0	6.0
GSM-1922-28	19.0	+0.040 +0.124	22.0	28.0
GSM-1922-35	19.0	+0.040 +0.124	22.0	35.0
GSM-2021-20	20.0	+0.020 +0.072	21.0	20.0
GSM-2022-03	20.0	+0.040 +0.124	22.0	3.0
GSM-2022-08	20.0	+0.040 +0.124	22.0	8.0
GSM-2022-105	20.0	+0.040 +0.124	22.0	10.5
GSM-2022-15	20.0	+0.040 +0.124	22.0	15.0
GSM-2022-20	20.0	+0.040 +0.124	22.0	20.0
GSM-2022-22	20.0	+0.040 +0.124	22.0	22.0
GSM-2022-28	20.0	+0.040 +0.124	22.0	28.0
GSM-2022-30	20.0	+0.040 +0.124	22.0	30.0
GSM-2022-47	20.0	+0.040 +0.124	22.0	47.0
GSM-2023-10	20.0	+0.040 +0.124	23.0	10.0
GSM-2023-15	20.0	+0.040 +0.124	23.0	15.0
GSM-2023-20	20.0	+0.040 +0.124	23.0	20.0
GSM-2023-24	20.0	+0.040 +0.124	23.0	24.0
GSM-2023-25	20.0	+0.040 +0.124	23.0	25.0
GSM-2023-30	20.0	+0.040 +0.124	23.0	30.0
GSM-2023-35	20.0	+0.040 +0.124	23.0	35.0
GSM-2224-08	22.0	+0.040 +0.124	24.0	8.0
GSM-2224-10	22.0	+0.040 +0.124	24.0	10.0
GSM-2224-12	22.0	+0.040 +0.124	24.0	12.0
GSM-2224-15	22.0	+0.040 +0.124	24.0	15.0
GSM-2224-17	22.0	+0.040 +0.124	24.0	17.0
GSM-2224-20	22.0	+0.040 +0.124	24.0	20.0
GSM-2224-30	22.0	+0.040 +0.124	24.0	30.0
GSM-2224-48	22.0	+0.040 +0.124	24.0	48.0
GSM-2225-15	22.0	+0.040 +0.124	25.0	15.0

Part number	d1	d1-Tolerance*	d2	b1 h13
GSM-2225-20	22.0	+0.040 +0.124	25.0	20.0
GSM-2225-25	22.0	+0.040 +0.124	25.0	25.0
GSM-2225-30	22.0	+0.040 +0.124	25.0	30.0
GSM-2425-25	24.0	+0.020 +0.072	25.0	25.0
GSM-2427-06	24.0	+0.040 +0.124	27.0	6.0
GSM-2427-15	24.0	+0.040 +0.124	27.0	15.0
GSM-2427-20	24.0	+0.040 +0.124	27.0	20.0
GSM-2427-24	24.0	+0.040 +0.124	27.0	24.0
GSM-2427-25	24.0	+0.040 +0.124	27.0	25.0
GSM-2427-30	24.0	+0.040 +0.124	27.0	30.0
GSM-2526-23	25.0	+0.020 +0.072	26.0	23.0
GSM-2526-25	25.0	+0.020 +0.072	26.0	25.0
GSM-2528-12	25.0	+0.040 +0.124	28.0	12.0
GSM-2528-15	25.0	+0.040 +0.124	28.0	15.0
GSM-2528-20	25.0	+0.040 +0.124	28.0	20.0
GSM-2528-24	25.0	+0.040 +0.124	28.0	24.0
GSM-2528-25	25.0	+0.040 +0.124	28.0	25.0
GSM-2528-30	25.0	+0.040 +0.124	28.0	30.0
GSM-2528-35	25.0	+0.040 +0.124	28.0	35.0
GSM-2528-50	25.0	+0.040 +0.124	28.0	50.0
GSM-2630-16	26.0	+0.040 +0.124	30.0	16.0
GSM-2730-05	27.0	+0.040 +0.124	30.0	5.0
GSM-2832-105	28.0	+0.040 +0.124	32.0	10.5
GSM-2832-12	28.0	+0.040 +0.124	32.0	12.0
GSM-2832-15	28.0	+0.040 +0.124	32.0	15.0
GSM-2832-20	28.0	+0.040 +0.124	32.0	20.0
GSM-2832-23	28.0	+0.040 +0.124	32.0	23.0
GSM-2832-25	28.0	+0.040 +0.124	32.0	25.0
GSM-2832-30	28.0	+0.040 +0.124	32.0	30.0
GSM-2835-19	28.0	+0.065 +0.195	35.0	19.0
GSM-2835-28	28.0	+0.065 +0.195	35.0	28.0
GSM-2933-06	29.0	+0.040 +0.124	33.0	6.0
GSM-3031-05	30.0	+0.020 +0.072	31.0	5.0
GSM-3031-12	30.0	+0.020 +0.072	31.0	12.0
GSM-3031-30	30.0	+0.020 +0.072	31.0	30.0
GSM-3034-15	30.0	+0.040 +0.124	34.0	15.0
GSM-3034-20	30.0	+0.040 +0.124	34.0	20.0
GSM-3034-24	30.0	+0.040 +0.124	34.0	24.0
GSM-3034-25	30.0	+0.040 +0.124	34.0	25.0
GSM-3034-30	30.0	+0.040 +0.124	34.0	30.0
GSM-3034-35	30.0	+0.040 +0.124	34.0	35.0

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Sleeve Bearing

Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	b1 h13	Part number	d1	d1-Tolerance*	d2	b1 h13
GSM-3034-40	30.0	+0.040 +0.124	34.0	40.0	GSM-5560-20	55.0	+0.060 +0.180	60.0	20.0
GSM-3034-525	30.0	+0.040 +0.124	34.0	52.5	GSM-5560-40	55.0	+0.060 +0.180	60.0	40.0
GSM-3236-15	32.0	+0.050 +0.150	36.0	15.0	GSM-5560-50	55.0	+0.060 +0.180	60.0	50.0
GSM-3236-20	32.0	+0.050 +0.150	36.0	20.0	GSM-5560-60	55.0	+0.060 +0.180	60.0	60.0
GSM-3236-30	32.0	+0.050 +0.150	36.0	30.0	GSM-6065-30	60.0	+0.060 +0.180	65.0	30.0
GSM-3236-40	32.0	+0.050 +0.150	36.0	40.0	GSM-6065-40	60.0	+0.060 +0.180	65.0	40.0
GSM-3539-14	35.0	+0.050 +0.150	39.0	14.0	GSM-6065-50	60.0	+0.060 +0.180	65.0	50.0
GSM-3539-20	35.0	+0.050 +0.150	39.0	20.0	GSM-6065-60	60.0	+0.060 +0.180	65.0	60.0
GSM-3539-25	35.0	+0.050 +0.150	39.0	25.0	GSM-6065-70	60.0	+0.060 +0.180	65.0	70.0
GSM-3539-30	35.0	+0.050 +0.150	39.0	30.0	GSM-6267-35	62.0	+0.100 +0.250	67.0	35.0
GSM-3539-40	35.0	+0.050 +0.150	39.0	40.0	GSM-6267-72	62.0	+0.060 +0.180	67.0	72.0
GSM-3539-50	35.0	+0.050 +0.150	39.0	50.0	GSM-6570-30	65.0	+0.060 +0.180	70.0	30.0
GSM-3541-50	35.0	+0.050 +0.150	41.0	50.0	GSM-6570-50	65.0	+0.060 +0.180	70.0	50.0
GSM-3640-20	36.0	+0.050 +0.150	40.0	20.0	GSM-6570-104	65.0	+0.060 +0.180	70.0	104.0
GSM-3741-20	37.0	+0.050 +0.150	41.0	20.0	GSM-6873-60	68.0	+0.060 +0.180	73.0	60.0
GSM-3842-25	38.0	+0.050 +0.150	42.0	25.0	GSM-7075-60	70.0	+0.060 +0.180	75.0	60.0
GSM-4044-10	40.0	+0.050 +0.150	44.0	10.0	GSM-7277-24.5	72.0	+0.060 +0.180	77.0	24.5
GSM-4044-16	40.0	+0.050 +0.150	44.0	16.5	GSM-7277-76	72.0	+0.060 +0.180	77.0	76.0
GSM-4044-20	40.0	+0.050 +0.150	44.0	20.0	GSM-7580-40	75.0	+0.060 +0.180	80.0	40.0
GSM-4044-30	40.0	+0.050 +0.150	44.0	30.0	GSM-7580-60	75.0	+0.060 +0.180	80.0	60.0
GSM-4044-40	40.0	+0.050 +0.150	44.0	40.0	GSM-8085-60	80.0	+0.060 +0.180	85.0	60.0
GSM-4044-50	40.0	+0.050 +0.150	44.0	50.0	GSM-8085-100	80.0	+0.060 +0.180	85.0	100.0
GSM-4044-525	40.0	+0.050 +0.150	44.0	52.5	GSM-8590-100	85.0	+0.072 +0.212	90.0	100.0
GSM-4246-40	42.0	+0.050 +0.150	46.0	40.0	GSM-9095-100	90.0	+0.072 +0.212	95.0	100.0
GSM-4448-20	44.0	+0.050 +0.150	48.0	20.0	GSM-95100-100	95.0	+0.072 +0.212	100.0	100.0
GSM-4550-22	45.0	+0.050 +0.150	50.0	22.0	GSM-100105-21.5	100.0	+0.072 +0.212	105.0	21.5
GSM-4550-235	45.0	+0.050 +0.150	50.0	23.5	GSM-100105-30	100.0	+0.072 +0.212	105.0	30.0
GSM-4550-30	45.0	+0.050 +0.150	50.0	30.0	GSM-100105-32	100.0	+0.072 +0.212	105.0	32.0
GSM-4550-38	45.0	+0.050 +0.150	50.0	38.0	GSM-100105-100	100.0	+0.072 +0.212	105.0	100.0
GSM-4550-40	45.0	+0.050 +0.150	50.0	40.0	GSM-110115-100	110.0	+0.072 +0.212	115.0	100.0
GSM-4550-50	45.0	+0.050 +0.150	50.0	50.0	GSM-120125-100	120.0	+0.072 +0.212	125.0	100.0
GSM-5055-20	50.0	+0.050 +0.150	55.0	20.0	GSM-125130-100	125.0	+0.085 +0.245	130.0	100.0
GSM-5055-25	50.0	+0.050 +0.150	55.0	25.0	GSM-130135-100	130.0	+0.085 +0.245	135.0	100.0
GSM-5055-30	50.0	+0.050 +0.150	55.0	30.0	GSM-135140-80	135.0	+0.085 +0.245	140.0	80.0
GSM-5055-40	50.0	+0.050 +0.150	55.0	40.0	GSM-140145-100	140.0	+0.085 +0.245	145.0	100.0
GSM-5055-50	50.0	+0.050 +0.150	55.0	50.0	GSM-140145-104	140.0	+0.085 +0.245	145.0	104.0
GSM-5257-20	52.0	+0.060 +0.180	57.0	20.0	GSM-150155-100	150.0	+0.085 +0.245	155.0	100.0

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Flange Bearing

r = max.
0.5 mm

Dimensions according to ISO 3547-1 and special dimensions

* thickness < 1 mm, chamfer = 20°

Chamfer in relation to the d1

d1 [mm]:	Ø 1–6	Ø 6–12	Ø 12–30	Ø > 30
f [mm]:	0.3	0.5	0.8	1.2
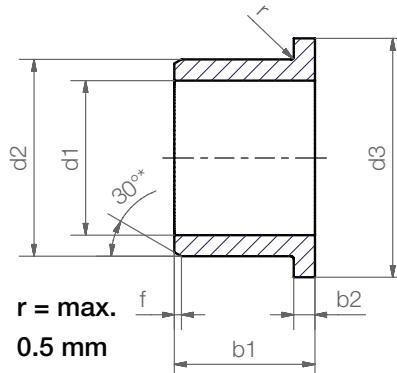
GFM-0304-02

Length b1
Outer diameter d2
Inner diameter d1
Metric
Type (Form F)
Material iglidur® G

Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	d3 d13	b1 h13	b2 −0.14
GFM-03040-15	3.0	+0.010 +0.040	4.0	7.5	15.0	0.5
GFM-0304-02	3.0	+0.014 +0.054	4.5	7.5	2.0	0.5
GFM-0304-0275	3.0	+0.014 +0.054	4.5	7.0	2.7	0.75
GFM-0304-03	3.0	+0.014 +0.054	4.5	7.5	3.0	0.75
GFM-0304-05	3.0	+0.014 +0.054	4.5	7.5	5.0	0.75
GFM-0304-15	3.0	+0.014 +0.054	4.5	7.5	15.0	0.75
GFM-030407-05	3.0	+0.014 +0.054	4.5	7.0	5.0	0.75
GFM-0405-0255	4.0	+0.020 +0.068	5.5	9.5	2.55	0.75
GFM-0405-03	4.0	+0.020 +0.068	5.5	9.5	3.0	0.75
GFM-0405-04	4.0	+0.020 +0.068	5.5	9.5	4.0	0.75
GFM-04050-04	4.0	+0.010 +0.040	5.0	9.5	4.0	0.5
GFM-04050-06	4.0	+0.010 +0.040	5.0	9.5	6.0	0.5
GFM-0405-06	4.0	+0.020 +0.068	5.5	9.5	6.0	0.75
GFM-040508-10	4.0	+0.020 +0.068	5.5	8.0	10.0	1.0
GFM-0506-035	5.0	+0.010 +0.040	6.0	10.0	3.5	0.5
GFM-0506-04	5.0	+0.010 +0.040	6.0	10.0	4.0	0.5
GFM-0506-05	5.0	+0.010 +0.040	6.0	10.0	5.0	0.5
GFM-0506-06	5.0	+0.010 +0.040	6.0	10.0	6.0	0.5
GFM-0506-15	5.0	+0.010 +0.040	6.0	10.0	15.3	0.5
GFM-0507-03	5.0	+0.020 +0.068	7.0	11.0	3.5	1.0
GFM-0507-04	5.0	+0.020 +0.068	7.0	11.0	4.0	1.0
GFM-0507-05	5.0	+0.020 +0.068	7.0	11.0	5.0	1.0
GFM-0507-07	5.0	+0.020 +0.068	7.0	11.0	7.0	1.0
GFM-0507-11	5.0	+0.020 +0.068	7.0	11.0	11.0	1.0
GFM-0507-145	5.0	+0.020 +0.068	7.0	11.0	14.5	1.0

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Flange Bearing

Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	d3 d13	b1 h13	b2 −0.14
GFM-0507-30	5.0	+0.020 +0.068	7.0	11.0	5.0	1.0
GFM-050709-05	5.0	+0.020 +0.068	7.0	9.5	5.0	1.0
GFM-050715-04	5.0	+0.020 +0.068	7.0	15.0	4.0	1.0
GFM-0607-024	6.0	+0.010 +0.040	7.0	11.0	2.4	0.5
GFM-0607-029	6.0	+0.010 +0.040	7.0	11.0	2.9	0.5
GFM-0607-045	6.0	+0.010 +0.040	7.0	11.0	4.5	0.5
GFM-0607-055	6.0	+0.010 +0.040	7.0	11.0	5.5	0.5
GFM-0607-06	6.0	+0.010 +0.040	7.0	11.0	6.0	0.5
GFM-0607-08	6.0	+0.010 +0.040	7.0	11.0	8.0	0.5
GFM-0607-10	6.0	+0.010 +0.040	7.0	11.0	10.0	0.5
GFM-060709-045	6.0	+0.010 +0.040	7.0	9.0	4.5	0.5
GFM-060709-10	6.0	+0.010 +0.040	7.0	9.0	10.0	0.5
GFM-0608-025	6.0	+0.020 +0.068	8.0	12.0	2.5	1.0
GFM-0608-04	6.0	+0.020 +0.068	8.0	12.0	4.0	1.0
GFM-0608-048	6.0	+0.020 +0.068	8.0	12.0	4.8	1.0
GFM-0608-05	6.0	+0.020 +0.068	8.0	12.0	5.0	1.0
GFM-0608-06	6.0	+0.020 +0.068	8.0	12.0	6.0	1.0
GFM-0608-07	6.0	+0.020 +0.068	8.0	12.0	7.0	1.0
GFM-0608-08	6.0	+0.020 +0.068	8.0	12.0	8.0	1.0
GFM-0608-10	6.0	+0.020 +0.068	8.0	12.0	10.0	1.0
GFM-0608-25	6.0	+0.020 +0.068	8.0	12.0	25.0	1.0
GFM-0608-35	6.0	+0.020 +0.068	8.0	12.0	35.0	1.0
GFM-060810-08	6.0	+0.020 +0.068	8.0	10.0	8.0	1.0
GFM-060814-028	6.0	+0.020 +0.068	8.0	14.0	2.8	1.0
GFM-060814-12	6.0	+0.020 +0.068	8.0	14.0	12.0	1.0
GFM-0708-017	7.0	+0.013 +0.049	8.0	12.0	1.7	0.5
GFM-0708-03	7.0	+0.013 +0.049	8.0	12.0	3.0	0.5
GFM-0708-08	7.0	+0.013 +0.049	8.0	12.0	8.0	0.5
GFM-0709-035	7.0	+0.025 +0.083	9.0	15.0	3.5	1.0
GFM-0709-06	7.0	+0.025 +0.083	9.0	15.0	6.0	1.0
GFM-0709-10	7.0	+0.025 +0.083	9.0	15.0	10.0	1.0
GFM-0709-12	7.0	+0.025 +0.083	9.0	15.0	12.0	1.0
GFM-070919-10	7.0	+0.025 +0.083	9.0	19.0	10.0	1.0
GFM-0809-03	8.0	+0.013 +0.049	9.0	15.0	3.0	0.5
GFM-0809-035	8.0	+0.013 +0.049	9.0	13.0	3.5	0.5
GFM-0809-055	8.0	+0.013 +0.049	9.0	13.0	5.5	0.5
GFM-0809-08	8.0	+0.013 +0.049	9.0	13.0	8.0	0.5
GFM-0809-12	8.0	+0.013 +0.049	9.0	13.0	12.0	0.5
GFM-0810-03	8.0	+0.025 +0.083	10.0	15.0	3.0	1.0
GFM-0810-035	8.0	+0.025 +0.083	10.0	15.0	3.5	1.0
GFM-0810-04	8.0	+0.025 +0.083	10.0	15.0	4.0	1.0
GFM-0810-050	8.0	+0.025 +0.083	10.0	15.0	5.0	1.0

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Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	d3 d13	b1 h13	b2 −0.14
GFM-0810-05	8.0	+0.025 +0.083	10.0	15.0	5.5	1.0
GFM-0810-065	8.0	+0.025 +0.083	10.0	15.0	6.5	1.0
GFM-0810-07	8.0	+0.025 +0.083	10.0	15.0	7.5	1.0
GFM-0810-09	8.0	+0.025 +0.083	10.0	15.0	9.5	1.0
GFM-0810-10	8.0	+0.025 +0.083	10.0	15.0	10.0	1.0
GFM-0810-11	8.0	+0.025 +0.083	10.0	14.0	11.0	1.0
GFM-0810-15	8.0	+0.025 +0.083	10.0	15.0	15.0	1.0
GFM-0810-25	8.0	+0.025 +0.083	10.0	15.0	25.0	1.0
GFM-0810-30	8.0	+0.025 +0.083	10.0	15.0	30.0	1.0
GFM-081012-125	8.0	+0.025 +0.083	10.0	12.0	12.5	1.0
GFM-081013-08	8.0	+0.025 +0.083	10.0	13.0	8.0	1.0
GFM-081014-05	8.0	+0.040 +0.098	10.0	14.0	5.0	1.0
GFM-081014-06	8.0	+0.025 +0.083	10.0	14.0	6.0	1.0
GFM-081014-08	8.0	+0.025 +0.083	10.0	14.0	8.0	1.0
GFM-081014-10	8.0	+0.040 +0.098	10.0	14.0	10.0	1.0
GFM-081016-11	8.0	+0.025 +0.083	10.0	16.0	11.5	1.5
GFM-081016-15	8.0	+0.025 +0.083	10.0	16.0	15.0	1.5
GFM-081017-15	8.0	+0.025 +0.083	10.0	17.0	15.0	1.0
GFM-081018-03	8.0	+0.025 +0.083	10.0	18.0	3.0	1.0
GFM-0812-06	8.0	+0.040 +0.130	12.0	16.0	6.0	2.0
GFM-081221-08	8.0	+0.040 +0.130	12.0	21.0	8.0	2.0
GFM-0910-065	9.0	+0.013 +0.049	10.0	15.0	6.5	0.5
GFM-0910-17	9.0	+0.013 +0.049	10.0	15.0	17.5	0.5
GFM-1011-03	10.0	+0.013 +0.046	11.0	20.0	3.5	0.5
GFM-1011-044	10.0	+0.013 +0.049	11.0	15.0	4.4	0.5
GFM-1011-10	10.0	+0.013 +0.049	11.0	15.0	10.0	0.5
GFM-1012-035	10.0	+0.025 +0.083	12.0	18.0	3.5	1.0
GFM-1012-04	10.0	+0.025 +0.083	12.0	18.0	4.0	1.0
GFM-1012-05	10.0	+0.025 +0.083	12.0	18.0	5.0	1.0
GFM-1012-06	10.0	+0.025 +0.083	12.0	18.0	6.0	1.0
GFM-1012-07	10.0	+0.025 +0.083	12.0	18.0	7.0	1.0
GFM-1012-09	10.0	+0.025 +0.083	12.0	18.0	9.0	1.0
GFM-1012-10	10.0	+0.025 +0.083	12.0	18.0	10.0	1.0
GFM-1012-12	10.0	+0.025 +0.083	12.0	18.0	12.0	1.0
GFM-1012-15	10.0	+0.025 +0.083	12.0	18.0	15.0	1.0
GFM-1012-17	10.0	+0.025 +0.083	12.0	18.0	17.0	1.0
GFM-101215-12	10.0	+0.025 +0.083	12.0	15.0	12.0	1.0
GFM-101216-06	10.0	+0.025 +0.083	12.0	16.0	6.0	1.0
GFM-101216-09	10.0	+0.025 +0.083	12.0	16.0	9.0	1.0
GFM-101216-15	10.0	+0.025 +0.083	12.0	16.0	15.0	1.0
GFM-1112-06	11.0	+0.016 +0.059	12.0	16.0	6.0	0.5
GFM-1213-03	12.0	+0.016 +0.059	13.0	17.0	3.0	0.5

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Flange Bearing

Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	d3 d13	b1 h13	b2 −0.14
GFM-121315-12	12.0	+0.016 +0.059	13.0	15.0	12.0	0.5
GFM-1213-12	12.0	+0.016 +0.059	13.0	17.0	12.0	0.5
GFM-1214-03	12.0	+0.032 +0.102	14.0	20.0	3.0	1.0
GFM-1214-05	12.0	+0.032 +0.102	14.0	20.0	5.0	1.0
GFM-1214-06	12.0	+0.032 +0.102	14.0	20.0	6.0	1.0
GFM-1214-07	12.0	+0.032 +0.102	14.0	20.0	7.0	1.0
GFM-1214-09	12.0	+0.032 +0.102	14.0	20.0	9.0	1.0
GFM-1214-10	12.0	+0.032 +0.102	14.0	20.0	10.0	1.0
GFM-1214-11	12.0	+0.032 +0.102	14.0	20.0	11.0	1.0
GFM-1214-12	12.0	+0.032 +0.102	14.0	20.0	12.0	1.0
GFM-1214-15	12.0	+0.032 +0.102	14.0	20.0	15.0	1.0
GFM-1214-17	12.0	+0.032 +0.102	14.0	20.0	17.0	1.0
GFM-1214-20	12.0	+0.032 +0.102	14.0	20.0	20.0	1.0
GFM-1214-24	12.0	+0.032 +0.102	14.0	20.0	24.0	1.0
GFM-1214-31	12.0	+0.032 +0.102	14.0	20.0	31.0	1.0
GFM-1214-40	12.0	+0.032 +0.102	14.0	20.0	40.0	1.0
GFM-121418-04	12.0	+0.032 +0.102	14.0	18.0	4.0	1.0
GFM-121418-08	12.0	+0.032 +0.102	14.0	18.0	8.0	1.0
GFM-121418-10	12.0	+0.032 +0.102	14.0	18.0	10.0	1.0
GFM-121418-12	12.0	+0.032 +0.102	14.0	18.0	12.0	1.0
GFM-121418-15	12.0	+0.032 +0.102	14.0	18.0	15.0	1.0
GFM-121418-20	12.0	+0.032 +0.102	14.0	18.0	20.0	1.0
GFM-1315-06	13.0	+0.032 +0.102	15.0	22.0	6.0	1.0
GFM-1315-08	13.0	+0.032 +0.102	15.0	22.0	8.0	1.0
GFM-1416-03	14.0	+0.032 +0.102	16.0	22.0	3.0	1.0
GFM-1416-04	14.0	+0.032 +0.102	16.0	22.0	4.0	1.0
GFM-1416-06	14.0	+0.032 +0.102	16.0	22.0	6.0	1.0
GFM-1416-08	14.0	+0.032 +0.102	16.0	22.0	8.0	1.0
GFM-1416-10	14.0	+0.032 +0.102	16.0	22.0	10.0	1.0
GFM-1416-12	14.0	+0.032 +0.102	16.0	22.0	12.0	1.0
GFM-1416-17	14.0	+0.032 +0.102	16.0	22.0	17.0	1.0
GFM-1416-21	14.0	+0.032 +0.102	16.0	22.0	21.0	1.0
GFM-1516-02	15.0	+0.016 +0.059	16.0	20.0	2.0	0.5
GFM-1516-025	15.0	+0.016 +0.059	16.0	20.0	2.5	0.5
GFM-1516-03	15.0	+0.016 +0.059	16.0	20.0	3.0	0.5
GFM-1516-15	15.0	+0.016 +0.059	16.0	20.0	15.0	0.5
GFM-1517-04	15.0	+0.032 +0.102	17.0	23.0	4.0	1.0
GFM-1517-045	15.0	+0.032 +0.102	17.0	23.0	4.5	1.0
GFM-1517-05	15.0	+0.032 +0.102	17.0	23.0	5.0	1.0
GFM-1517-09	15.0	+0.032 +0.102	17.0	23.0	9.0	1.0
GFM-1517-12	15.0	+0.032 +0.102	17.0	23.0	12.0	1.0
GFM-1517-17	15.0	+0.032 +0.102	17.0	23.0	17.0	1.0

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Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	d3 d13	b1 h13	b2 −0.14
GFM-1517-20	15.0	+0.032 +0.102	17.0	23.0	20.0	1.0
GFM-151824-32	15.0	+0.032 +0.102	18.0	24.0	32.0	1.5
GFM-1618-04	16.0	+0.032 +0.102	18.0	24.0	4.0	1.0
GFM-1618-05	16.0	+0.032 +0.102	18.0	24.0	5.0	1.0
GFM-1618-06	16.0	+0.032 +0.102	18.0	24.0	6.0	1.0
GFM-1618-09	16.0	+0.032 +0.102	18.0	24.0	9.0	1.0
GFM-1618-12	16.0	+0.032 +0.102	18.0	24.0	12.0	1.0
GFM-1618-16	16.0	+0.032 +0.102	18.0	24.0	16.0	1.0
GFM-1618-17	16.0	+0.032 +0.102	18.0	24.0	17.0	1.0
GFM-1618-21	16.0	+0.032 +0.102	18.0	24.0	21.0	1.0
GFM-1719-09	17.0	+0.032 +0.102	19.0	25.0	9.0	1.0
GFM-1719-25	17.0	+0.032 +0.102	19.0	25.0	25.0	1.0
GFM-1820-04	18.0	+0.032 +0.102	20.0	26.0	4.0	1.0
GFM-1820-06	18.0	+0.032 +0.102	20.0	26.0	6.0	1.0
GFM-1820-09	18.0	+0.032 +0.102	20.0	26.0	9.0	1.0
GFM-1820-11	18.0	+0.032 +0.102	20.0	26.0	11.0	1.0
GFM-1820-12	18.0	+0.032 +0.102	20.0	26.0	12.0	1.0
GFM-1820-17	18.0	+0.032 +0.102	20.0	26.0	17.0	1.0
GFM-1820-22	18.0	+0.032 +0.102	20.0	26.0	22.0	1.0
GFM-1820-30	18.0	+0.032 +0.102	20.0	26.0	30.0	1.0
GFM-1820-32	18.0	+0.032 +0.102	20.0	26.0	32.0	1.0
GFM-182022-06	18.0	+0.032 +0.102	20.0	22.0	6.0	1.0
GFM-1822-28	18.0	+0.032 +0.102	22.0	26.0	28.0	2.0
GFM-2021-035	20.0	+0.020 +0.072	21.0	26.0	3.5	0.5
GFM-2021-15	20.0	+0.020 +0.072	21.0	25.0	15.0	0.5
GFM-2021-20	20.0	+0.020 +0.072	21.0	25.0	20.0	0.5
GFM-2023-07	20.0	+0.040 +0.124	23.0	30.0	7.0	1.5
GFM-2023-11	20.0	+0.040 +0.124	23.0	30.0	11.5	1.5
GFM-2023-16	20.0	+0.040 +0.124	23.0	30.0	16.5	1.5
GFM-2023-21	20.0	+0.040 +0.124	23.0	30.0	21.5	1.5
GFM-202326-07	20.0	+0.040 +0.124	23.0	26.0	7.0	1.5
GFM-202326-21	20.0	+0.040 +0.124	23.0	26.0	21.5	1.5
GFM-202328-15	20.0	+0.040 +0.124	23.0	28.0	15.0	1.5
GFM-202329-20	20.0	+0.040 +0.124	23.0	29.0	20.0	1.5
GFM-2224-25	22.0	+0.040 +0.124	24.0	30.0	25.0	1.0
GFM-222529-045	22.0	+0.040 +0.124	25.0	29.0	4.5	1.5
GFM-222535-315	22.0	+0.040 +0.124	25.0	35.0	31.5	1.5
GFM-2427-07	24.0	+0.040 +0.124	27.0	32.0	7.0	1.5
GFM-2427-10	24.0	+0.040 +0.124	27.0	32.0	10.0	1.5
GFM-2526-25	25.0	+0.020 +0.072	26.0	30.0	25.0	0.5
GFM-2527-07	25.0	+0.040 +0.124	27.0	32.0	7.0	1.0
GFM-2527-48	25.0	+0.040 +0.124	27.0	32.0	48.0	1.0

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Flange Bearing

Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	d3 d13	b1 h13	b2 −0.14
GFM-252830-10	25.0	+0.040 +0.124	28.0	30.0	10.0	1.5
GFM-2528-11	25.0	+0.040 +0.124	28.0	35.0	11.5	1.5
GFM-2528-16	25.0	+0.040 +0.124	28.0	35.0	16.5	1.5
GFM-2528-21	25.0	+0.040 +0.124	28.0	35.0	21.5	1.5
GFM-2630-12	26.0	+0.040 +0.124	30.0	37.0	12.0	2.0
GFM-2730-20	27.0	+0.040 +0.124	30.0	38.0	20.0	1.5
GFM-2830-10	28.0	+0.040 +0.124	30.0	36.0	10.0	1.0
GFM-2830-36	28.0	+0.040 +0.124	30.0	35.0	36.0	1.0
GFM-2830-48	28.0	+0.040 +0.124	30.0	35.0	48.0	1.0
GFM-283036-31	28.0	+0.040 +0.124	30.0	36.0	31.0	1.0
GFM-283239-20	28.0	+0.040 +0.124	32.0	39.0	20.0	2.0
GFM-283250-35	28.0	+0.040 +0.124	32.0	50.0	35.0	2.0
GFM-3031-20	30.0	+0.040 +0.124	31.0	36.0	20.0	0.5
GFM-3031-30	30.0	+0.040 +0.124	31.0	35.0	30.0	0.5
GFM-3032-04	30.0	+0.040 +0.124	32.0	37.0	4.0	1.0
GFM-3032-12	30.0	+0.040 +0.124	32.0	37.0	12.0	1.0
GFM-3032-17	30.0	+0.040 +0.124	32.0	37.0	17.5	1.0
GFM-3032-22	30.0	+0.040 +0.124	32.0	37.0	22.0	1.0
GFM-3034-09	30.0	+0.040 +0.124	34.0	42.0	9.0	2.0
GFM-3034-16	30.0	+0.040 +0.124	34.0	42.0	16.0	2.0
GFM-3034-20	30.0	+0.040 +0.124	34.0	42.0	20.0	2.0
GFM-3034-26	30.0	+0.040 +0.124	34.0	42.0	26.0	2.0
GFM-3034-37	30.0	+0.040 +0.124	34.0	42.0	37.0	2.0
GFM-303440-10	30.0	+0.040 +0.124	34.0	40.0	10.0	2.0
GFM-3236-16	32.0	+0.050 +0.150	36.0	40.0	16.0	2.0
GFM-3236-26	32.0	+0.050 +0.150	36.0	40.0	26.0	2.0
GFM-343850-35	34.0	+0.050 +0.150	38.0	50.0	35.0	2.0
GFM-3539-058	35.0	+0.050 +0.150	39.0	47.0	5.8	2.0
GFM-3539-07	35.0	+0.050 +0.150	39.0	47.0	7.0	2.0
GFM-3539-12	35.0	+0.050 +0.150	39.0	47.0	12.0	2.0
GFM-3539-16	35.0	+0.050 +0.150	39.0	47.0	16.0	2.0
GFM-3539-26	35.0	+0.050 +0.150	39.0	47.0	26.0	2.0
GFM-3539-36	35.0	+0.050 +0.150	39.0	47.0	36.0	2.0
GFM-3842-22	38.0	+0.050 +0.150	42.0	54.0	22.0	2.0
GFM-4044-07	40.0	+0.050 +0.150	44.0	52.0	7.0	2.0
GFM-4044-14	40.0	+0.050 +0.150	44.0	52.0	14.0	2.0
GFM-4044-20	40.0	+0.050 +0.150	44.0	52.0	20.0	2.0
GFM-4044-30	40.0	+0.050 +0.150	44.0	52.0	30.0	2.0
GFM-4044-40	40.0	+0.050 +0.150	44.0	52.0	40.0	2.0
GFM-4044-50	40.0	+0.050 +0.150	44.0	52.0	50.0	2.0
GFM-4046-20	40.0	+0.050 +0.150	46.0	50.0	20.0	2.0
GFM-4246-19	42.0	+0.050 +0.150	46.0	53.0	19.0	2.0

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Flange Bearing

Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	d3 d13	b1 h13	b2 −0.14
GFM-4550-25	45.0	+0.050 +0.150	50.0	58.0	25.0	2.0
GFM-4550-30	45.0	+0.050 +0.150	50.0	58.0	30.0	2.0
GFM-4550-50	45.0	+0.050 +0.150	50.0	58.0	50.0	2.0
GFM-5055-07	50.0	+0.050 +0.150	55.0	63.0	7.0	2.0
GFM-5055-10	50.0	+0.050 +0.150	55.0	63.0	10.0	2.0
GFM-5055-25	50.0	+0.050 +0.150	55.0	63.0	25.0	2.0
GFM-5055-40	50.0	+0.050 +0.150	55.0	63.0	40.0	2.0
GFM-5055-50	50.0	+0.050 +0.150	55.0	63.0	50.0	2.0
GFM-6065-07	60.0	+0.060 +0.180	65.0	73.0	7.0	2.0
GFM-6065-22	60.0	+0.060 +0.180	65.0	73.0	22.0	2.0
GFM-6065-30	60.0	+0.060 +0.180	65.0	73.0	30.0	2.0
GFM-6065-50	60.0	+0.060 +0.180	65.0	73.0	50.0	2.0
GFM-606580-62	60.0	+0.060 +0.180	65.0	80.0	62.0	2.0
GFM-6570-50	65.0	+0.060 +0.180	70.0	78.0	50.0	2.0
GFM-7075-50	70.0	+0.060 +0.180	75.0	83.0	50.0	2.0
GFM-7580-50	75.0	+0.060 +0.180	80.0	88.0	50.0	2.0
GFM-8085-50	80.0	+0.060 +0.180	85.0	93.0	50.0	2.5
GFM-8085-100	80.0	+0.060 +0.180	85.0	93.0	100.0	2.5
GFM-8590-100	85.0	+0.072 +0.212	90.0	98.0	100.0	2.5
GFM-9095-100	90.0	+0.072 +0.212	95.0	103.0	100.0	2.5
GFM-95100-100	95.0	+0.072 +0.212	100.0	108.0	100.0	2.5
GFM-100105-425	100.0	+0.072 +0.212	105.0	113.0	42.5	2.5
GFM-100105-100	100.0	+0.072 +0.212	105.0	113.0	100.0	2.5
GFM-110115-100	110.0	+0.072 +0.212	115.0	123.0	100.0	2.5
GFM-120125-80	120.0	+0.072 +0.212	125.0	133.0	80.0	2.5
GFM-120125-100	120.0	+0.072 +0.212	125.0	133.0	100.0	2.5
GFM-125130-100	125.0	+0.085 +0.245	130.0	138.0	100.0	2.5
GFM-130135-100	130.0	+0.085 +0.245	135.0	143.0	100.0	2.5
GFM-140145-100	140.0	+0.085 +0.245	145.0	153.0	100.0	2.5
GFM-150155-40	150.0	+0.085 +0.245	155.0	163.0	40.0	2.5
GFM-150155-100	150.0	+0.085 +0.245	155.0	163.0	100.0	2.5
GFM-195205240-65	195.0	+0.100 +0.285	205.0	240.0	65.0	5.0

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Thrust Washer
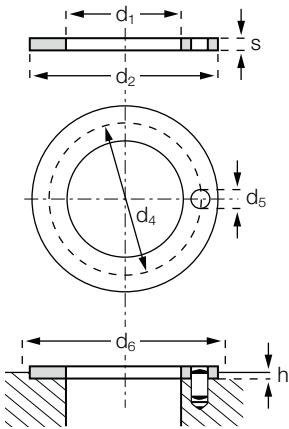
Order key

GTM-0509-006
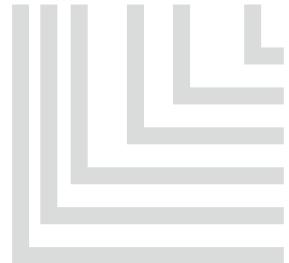
Thickness s
Outer diameter d2
Inner diameter d1
Metric
Type (Form T)
Material iglidur® G

Dimensions according to ISO 3547-1 and special dimensions

Dimensions [mm]

Part number	d1 +0.25	d2 −0.25	s −0.05	d4 −0.12 +0.12	d5 +0.375 +0.125	h +0.2 −0.2	d6 +0.12
GTM-0408-005	4.0	8.0	0.5	**	**	0.2	8.0
GTM-0409-006	4.0	9.0	0.6	**	**	0.3	9.0
GTM-0410-005	4.0	10.0	0.5	**	**	0.2	10.0
GTM-0411-005	4.0	11.0	0.5 (-0.06)	**	**	0.2	11.0
GTM-0509-006	5.0	9.5	0.6	**	**	0.3	9.5
GTM-0611-010	6.0	11.0	1.0	**	**	0.7	11.0
GTM-0612-015	6.0	12.0	1.5	**	**	1.0	12.0
GTM-0615-015	6.0	15.0	1.5	**	**	1.0	15.0
GTM-0620-015	6.0	20.0	1.5	13.0	1.5	1.0	20.0
GTM-0712-005	7.0	12.0	0.5	**	**	0.2	12.0
GTM-0713-005	7.0	13.0	0.5	**	**	0.2	13.0
GTM-0815-005	8.0	15.0	0.5	**	**	0.2	15.0
GTM-0815-015	8.0	15.0	1.5	**	**	1.0	15.0
GTM-0818-010	8.0	18.0	1.0	**	**	0.7	18.0
GTM-0818-015	8.0	18.0	1.5	13.0	1.5	1.0	18.0
GTM-0818-020	8.0	18.0	2.0	**	**	1.5	18.0
GTM-0913-010	9.0	13.0	1.0	**	**	0.7	13.0
GTM-0918-015	9.0	18.0	1.5	13.5	1.5	1.0	18.0
GTM-1018-005	10.0	17.8	0.5	**	**	0.2	17.8
GTM-1018-010	10.0	18.0	1.0	**	**	0.7	18.0
GTM-1018-015	10.0	18.0	1.5	**	**	1.0	18.0
GTM-1018-020	10.0	18.0	2.0	**	**	1.5	18.0
GTM-1020-015	10.0	20.0	1.5	**	**	0.7	20.0
GTM-1115-010	11.0	15.0	1.0	**	**	0.7	15.0

** Design without fixing bore

delivery time from stock

prices price list online
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iglidur® G | Product Range

 Thrust Washer

Dimensions [mm]

Part number	d1 +0.25	d2 −0.25	s −0.05	d4 −0.12 +0.12	d5 +0.375 +0.125	h +0.2 −0.2	d6 +0.12
GTM-1127-005	11.0	27.0	0.5	**	**	0.2	27.0
GTM-1224-015	12.0	24.0	1.5	18.0	1.5	1.0	24.0
GTM-1230-015	12.0	30.0	1.5	**	**	1.0	30.0
GTM-1420-015	14.0	20.0	1.5	**	**	1.0	20.0
GTM-1426-015	14.0	26.0	1.5	20.0	2.0	1.0	26.0
GTM-1522-008	15.0	22.0	0.8	**	**	0.5	22.0
GTM-1519-008	15.0	19.0	0.8	**	**	0.5	19.0
GTM-1524-015	15.0	24.0	1.5	19.5	1.5	1.0	24.0
GTM-1524-0275	15.0	24.0	2.75	**	**	2.0	24.0
GTM-1628-010	16.0	28.0	1.0	**	**	0.7	28.0
GTM-1630-015	16.0	30.0	1.5	22.0	2.0	1.0	30.0
GTM-1832-015	18.0	32.0	1.5	25.0	2.0	1.0	32.0
GTM-2036-015	20.0	36.0	1.5	28.0	3.0	1.0	36.0
GTM-2230-015	22.0	30.0	1.5	**	**	1.0	30.0
GTM-2238-015	22.0	38.0	1.5	30.0	3.0	1.0	38.0
GTM-2442-015	24.0	42.0	1.5	33.0	3.0	1.0	42.0
GTM-2644-015	26.0	44.0	1.5	35.0	3.0	1.0	44.0
GTM-2835-005	28.5	35.8	0.5	**	**	0.2	35.8
GTM-2848-015	28.0	48.0	1.5	38.0	4.0	1.0	48.0
GTM-3246-010	32.0	45.8	1.0	**	**	0.7	45.8
GTM-3254-015	32.0	54.0	1.5	43.0	4.0	1.0	54.0
GTM-3862-015	38.0	62.0	1.5	50.0	4.0	1.0	62.0
GTM-4266-015	42.0	66.0	1.5	54.0	4.0	1.0	66.0
GTM-4874-020	48.0	74.0	2.0	61.0	4.0	1.5	74.0
GTM-5278-020	52.0	78.0	2.0	65.0	4.0	1.5	78.0
GTM-52569-020	52.5	69.0	2.0	**	**	1.5	69.0
GTM-6278-020	62.0	78.0	2.0	**	**	1.5	78.0
GTM-6290-010	62.0	90.0	1.0	**	**	0.7	90.0
GTM-6290-020	62.0	90.0	2.0	76.0	4.0	1.5	90.0
GTM-6881-020	68.0	81.0	2.0	**	**	1.5	81.0
GTM-78114-015	78.0	114.0	1.5	**	**	1.0	114.0
GTM-80114-015	80.5	114.0	1.5	**	**	1.0	114.0

** Design without fixing bore

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iglidur® G | Product Range | Inch

Sleeve Bearing
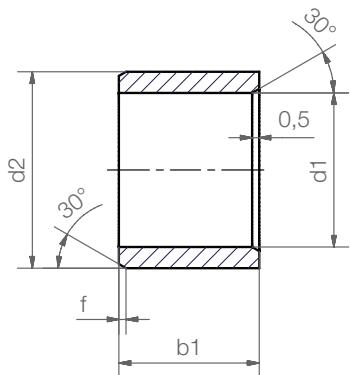
GSI-0203-03
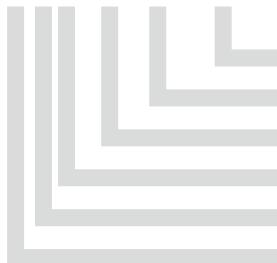
Length b1
Outer diameter d2
Inner diameter d1
Inch
Type (Form S)
Material iglidur® G

Chamfer in relation to the d1

d1 [Inch]:	Ø 0.040–0.236	Ø 0.236–0.472	Ø 0.472–1.18	Ø > 1.18
f [Inch]:	0.012	0.019	0.031	0.047

Dimensions [Inch]

Part number	d1	d2	b1	d1*		Housing Bore		Shaft Size	
				max.	min.	max.	min.	max.	min.
GSI-0203-03	1/8	3/16	3/16	.1269	.1251	.1878	.1873	.1243	.1236
GSI-0203-04	1/8	3/16	1/4	.1269	.1251	.1878	.1873	.1243	.1236
GSI-0203-06	1/8	3/16	3/8	.1269	.1251	.1878	.1873	.1243	.1236
GSI-0304-04	3/16	1/4	1/4	.1892	.1873	.2503	.2497	.1865	.1858
GSI-0304-06	3/16	1/4	3/8	.1892	.1873	.2503	.2497	.1865	.1858
GSI-0304-08	3/16	1/4	1/2	.1892	.1873	.2503	.2497	.1865	.1858
GSI-0405-04	1/4	5/16	1/4	.2521	.2498	.3128	.3122	.2490	.2481
GSI-0405-05	1/4	5/16	5/16	.2521	.2498	.3128	.3122	.2490	.2481
GSI-0405-06	1/4	5/16	3/8	.2521	.2498	.3128	.3122	.2490	.2481
GSI-0405-08	1/4	5/16	1/2	.2521	.2498	.3128	.3122	.2490	.2481
GSI-0405-10	1/4	5/16	5/8	.2521	.2498	.3128	.3122	.2490	.2481
GSI-0405-12	1/4	5/16	3/4	.2521	.2498	.3128	.3122	.2490	.2481
GSI-0506-04	5/16	3/8	1/4	.3148	.3125	.3753	.3747	.3115	.3106
GSI-0506-06	5/16	3/8	3/8	.3148	.3125	.3753	.3747	.3115	.3106
GSI-0506-08	5/16	3/8	1/2	.3148	.3125	.3753	.3747	.3115	.3106
GSI-0506-12	5/16	3/8	3/4	.3148	.3125	.3753	.3747	.3115	.3106
GSI-0607-04	3/8	15/32	1/4	.3773	.3750	.4691	.4684	.3740	.3731
GSI-0607-06	3/8	15/32	3/8	.3773	.3750	.4691	.4684	.3740	.3731
GSI-0607-08	3/8	15/32	1/2	.3773	.3750	.4691	.4684	.3740	.3731
GSI-0607-12	3/8	15/32	3/4	.3773	.3750	.4691	.4684	.3740	.3731
GSI-0608-08	3/8	8/16	1/2	.3783	.3760	.5015	.5010	.3750	.3741
GSI-0608-12	3/8	8/16	3/4	.3773	.3750	.5015	.5010	.3750	.3741
GSI-0708-04	7/16	17/32	1/4	.4406	.4379	.5316	.5309	.4365	.4355
GSI-0708-08	7/16	17/32	1/2	.4406	.4379	.5316	.5309	.4365	.4355
GSI-0809-03	1/2	19/32	3/16	.5030	.5003	.5941	.5934	.4990	.4980

* after pressfit. Testing methods ▶ page 75

delivery time from stock

prices price list online
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iglidur® G | Product Range | Inch

Sleeve Bearing

Dimensions [Inch]

Part number	d1	d2	b1	d1*		Housing Bore		Shaft Size	
				max.	min.	max.	min.	max.	min.
GSI-0809-04	1/2	19/32	1/4	.5030	.5003	.5941	.5934	.4990	.4980
GSI-0809-06	1/2	19/32	3/8	.5030	.5003	.5941	.5934	.4990	.4980
GSI-0809-08	1/2	19/32	1/2	.5030	.5003	.5941	.5934	.4990	.4980
GSI-0809-10	1/2	19/32	5/8	.5030	.5003	.5941	.5934	.4990	.4980
GSI-0809-16	1/2	19/32	1	.5030	.5003	.5941	.5934	.4990	.4980
GSI-0810-08	1/2	5/8	1/2	.5040	.5013	.6260	.6250	.5000	.4990
GSI-0810-12	1/2	5/8	3/4	.5040	.5013	.6260	.6250	.5000	.4990
GSI-0910-06	9/16	21/32	3/8	.5655	.5627	.6566	.6559	.5615	.5605
GSI-0910-08	9/16	21/32	1/2	.5655	.5627	.6566	.6559	.5615	.5605
GSI-0910-10	9/16	21/32	5/8	.5655	.5627	.6566	.6559	.5615	.5605
GSI-1011-06	5/8	23/32	3/8	.6280	.6253	.7192	.7184	.6240	.6230
GSI-1011-08	5/8	23/32	1/2	.6280	.6253	.7192	.7184	.6240	.6230
GSI-1011-10	5/8	23/32	5/8	.6280	.6253	.7192	.7184	.6240	.6230
GSI-1011-12	5/8	23/32	3/4	.6280	.6253	.7192	.7184	.6240	.6230
GSI-1011-16	5/8	23/32	1	.6280	.6253	.7192	.7184	.6240	.6230
GSI-1011-20	5/8	23/32	1 1/4	.6280	.6253	.7192	.7184	.6240	.6230
GSI-1011-30	5/8	23/32	1 7/8	.6280	.6253	.7192	.7184	.6240	.6230
GSI-1012-08	5/8	3/4	1/2	.6290	.6263	.7510	.7500	.6250	.6240
GSI-1012-16	5/8	3/4	1	.6290	.6263	.7510	.7500	.6250	.6240
GSI-1112-14	11/16	25/32	7/8	.6906	.6879	.7817	.7809	.6865	.6855
GSI-1214-02	3/4	7/8	1/8	.7541	.7505	.8755	.8747	.7491	.7479
GSI-1214-06	3/4	7/8	3/8	.7541	.7505	.8755	.8747	.7491	.7479
GSI-1214-08	3/4	7/8	1/2	.7541	.7505	.8755	.8747	.7491	.7479
GSI-1214-12	3/4	7/8	3/4	.7541	.7505	.8755	.8747	.7491	.7479
GSI-1214-16	3/4	7/8	1	.7541	.7505	.8755	.8747	.7491	.7479
GSI-1214-20	3/4	7/8	1 1/4	.7541	.7505	.8755	.8747	.7491	.7479
GSI-1214-24	3/4	7/8	1 1/2	.7541	.7505	.8755	.8747	.7491	.7479
GSI-1416-06	7/8	1	3/8	.8791	.8757	1.0005	.9997	.8741	.8729
GSI-1416-08	7/8	1	1/2	.8791	.8757	1.0005	.9997	.8741	.8729
GSI-1416-10	7/8	1	5/8	.8791	.8757	1.0005	.9997	.8741	.8729
GSI-1416-12	7/8	1	3/4	.8791	.8757	1.0005	.9997	.8741	.8729
GSI-1416-16	7/8	1	1	.8791	.8757	1.0005	.9997	.8741	.8729
GSI-1416-24	7/8	1	1 1/2	.8791	.8757	1.0005	.9997	.8741	.8729
GSI-1618-08	1	1 1/8	1/2	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GSI-1618-12	1	1 1/8	3/4	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GSI-1618-16	1	1 1/8	1	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GSI-1618-20	1	1 1/8	1 1/4	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GSI-1618-24	1	1 1/8	1 1/2	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GSI-1618-33	1	1 1/8	2 1/16	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GSI-1820-12	1 1/8	1 9/32	3/4	1.1288	1.1254	1.2818	1.2808	1.1238	1.1226
GSI-1820-24	1 1/8	1 9/32	1 1/2	1.1288	1.1254	1.2818	1.2808	1.1238	1.1226
GSI-2022-12	1 1/4	1 13/32	3/4	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472

* after pressfit. Testing methods ▶ page 75

Sleeve Bearing

Dimensions [Inch]

Part number	d1	d2	b1	d1* max.	d1* min.	Housing Bore max.	Housing Bore min.	Shaft Size max.	Shaft Size min.
GSI-2022-14	1 1/4	1 13/32	7/8	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
GSI-2022-16	1 1/4	1 13/32	1	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
GSI-2022-20	1 1/4	1 13/32	1 1/4	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
GSI-2022-24	1 1/4	1 13/32	1 1/2	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
GSI-2224-16	1 3/8	1 17/32	1	1.3798	1.3758	1.5318	1.5308	1.3738	1.3722
GSI-2224-24	1 3/8	1 17/32	1 1/2	1.3798	1.3758	1.5318	1.5308	1.3738	1.3722
GSI-2224-26	1 3/8	1 17/32	1 5/8	1.3798	1.3758	1.5318	1.5308	1.3738	1.3722
GSI-2426-06	1 1/2	1 21/32	3/8	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
GSI-2426-07	1 1/2	1 21/32	7/16	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
GSI-2426-08	1 1/2	1 21/32	1/2	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
GSI-2426-12	1 1/2	1 21/32	3/4	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
GSI-2426-16	1 1/2	1 21/32	1	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
GSI-2426-24	1 1/2	1 21/32	1 1/2	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
GSI-2629-20	1 5/8	1 25/32	1 1/4	1.6297	1.6258	1.7818	1.7808	1.6238	1.6222
GSI-2831-16	1 3/4	1 15/16	1	1.7547	1.7505	1.9381	1.9371	1.7487	1.7471
GSI-2831-24	1 3/4	1 15/16	1 1/2	1.7547	1.7505	1.9381	1.9371	1.7487	1.7471
GSI-2831-32	1 3/4	1 15/16	2	1.7547	1.7505	1.9381	1.9371	1.7487	1.7471
GSI-2831-40	1 3/4	1 15/16	2 1/2	1.7547	1.7505	1.9381	1.9371	1.7487	1.7471
GSI-2831-48	1 3/4	1 15/16	3	1.7547	1.7505	1.9381	1.9371	1.7487	1.7471
GSI-3235-16	2	2 3/16	1	2.0057	2.0011	2.1883	2.1871	1.9981	1.9969
GSI-3235-24	2	2 3/16	1 1/2	2.0057	2.0011	2.1883	2.1871	1.9981	1.9969
GSI-3235-32	2	2 3/16	2	2.0057	2.0011	2.1883	2.1871	1.9981	1.9969
GSI-3639-32	2 1/4	2 7/16	2	2.2577	2.2531	2.4377	2.4365	2.2507	2.2489
GSI-4043-32	2 2/4	2 11/16	2	2.5082	2.5035	2.6881	2.6869	2.5000	2.4999
GSI-4447-32	2 3/4	2 15/16	2	2.7570	2.7523	2.9370	2.9358	2.7500	2.7490
GSI-4851-32	3	3 3/16	2	3.0070	3.0023	3.1870	3.1858	3.0000	2.9990

* after pressfit. Testing methods ▶ page 75

iglidur® G | Product Range | Inch

Flange Bearing

r = max.
0.5 mm
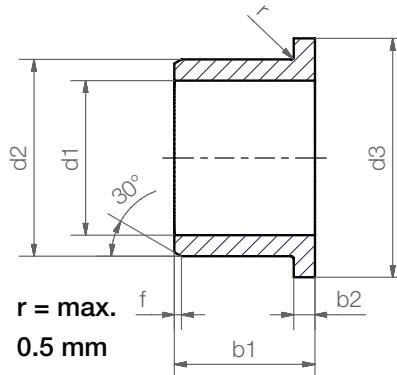
Order key

GFI-0203-02

Length b1
Outer diameter d2
Inner diameter d1
Inch
Type (Form F)
Material iglidur® G

Chamfer in relation to the d1

d1 [Inch]:	Ø 0.040–0.236	Ø 0.236–0.472	Ø 0.472–1.18	Ø > 1.18
f [Inch]:	0.012	0.019	0.031	0.047

Dimensions [Inch]

Part number	d1	d2	b1	d3	b2	d1*		Housing Bore		Shaft Size	
						max.	min.	max.	min.	max.	min.
GFI-0203-02	1/8	3/16	1/8	.312	.032	.1269	.1251	.1878	.1873	.1243	.1236
GFI-0203-03	1/8	3/16	3/16	.312	.032	.1269	.1251	.1878	.1873	.1243	.1236
GFI-0203-04	1/8	3/16	1/4	.312	.032	.1269	.1251	.1878	.1873	.1243	.1236
GFI-0203-06	1/8	3/16	3/8	.312	.032	.1269	.1251	.1878	.1873	.1243	.1236
GFI-0304-04	3/16	1/4	1/4	.375	.032	.1892	.1873	.2503	.2497	.1865	.1858
GFI-0304-06	3/16	1/4	3/8	.375	.032	.1892	.1873	.2503	.2497	.1865	.1858
GFI-0304-08	3/16	1/4	1/2	.375	.032	.1892	.1873	.2503	.2497	.1865	.1858
GFI-0405-04	1/4	5/16	1/4	.500	.032	.2521	.2498	.3128	.3122	.2490	.2481
GFI-0405-05	1/4	5/16	5/16	.500	.032	.2521	.2498	.3128	.3122	.2490	.2481
GFI-0405-06	1/4	5/16	3/8	.500	.032	.2521	.2498	.3128	.3122	.2490	.2481
GFI-0405-08	1/4	5/16	1/2	.500	.032	.2521	.2498	.3128	.3122	.2490	.2481
GFI-0405-12	1/4	5/16	3/4	.500	.032	.2521	.2498	.3128	.3122	.2490	.2481
GFI-0506-04	5/16	3/8	1/4	.562	.032	.3148	.3125	.3753	.3747	.3115	.3106
GFI-0506-06	5/16	3/8	3/8	.562	.032	.3148	.3125	.3753	.3747	.3115	.3106
GFI-0506-08	5/16	3/8	1/2	.562	.032	.3148	.3125	.3753	.3747	.3115	.3106
GFI-0506-12	5/16	3/8	3/4	.562	.032	.3148	.3125	.3753	.3747	.3115	.3106
GFI-0607-04	3/8	15/32	1/4	.687	.046	.3773	.3750	.4691	.4684	.3740	.3731
GFI-0607-05	3/8	15/32	5/16	.687	.046	.3773	.3750	.4691	.4684	.3740	.3731
GFI-0607-06	3/8	15/32	3/8	.687	.046	.3773	.3750	.4691	.4684	.3740	.3731
GFI-0607-08	3/8	15/32	1/2	.687	.046	.3773	.3750	.4691	.4684	.3740	.3731
GFI-0607-12	3/8	15/32	3/4	.687	.046	.3773	.3750	.4691	.4684	.3740	.3731
GFI-0607-14	3/8	15/32	7/8	.687	.046	.3773	.3750	.4691	.4684	.3740	.3731
GFI-0708-04	7/16	17/32	1/4	.750	.046	.4406	.4379	.5316	.5309	.4365	.4355
GFI-0708-08	7/16	17/32	1/2	.750	.046	.4406	.4379	.5316	.5309	.4365	.4355
GFI-0809-04	1/2	19/32	1/4	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980

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Flange Bearing

Dimensions [Inch]

Part number	d1	d2	b1	d3	b2	d1*		Housing Bore		Shaft Size	
						max.	min.	max.	min.	max.	min.
GFI-0809-05	1/2	19/32	5/16	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980
GFI-0809-06	1/2	19/32	3/8	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980
GFI-0809-08	1/2	19/32	1/2	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980
GFI-0809-12	1/2	19/32	3/4	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980
GFI-0809-16	1/2	19/32	1	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980
GFI-1011-06	5/8	23/32	3/8	.937	.046	.6280	.6253	.7192	.7184	.6240	.6230
GFI-1011-08	5/8	23/32	1/2	.937	.046	.6280	.6253	.7192	.7184	.6240	.6230
GFI-1011-12	5/8	23/32	3/4	.937	.046	.6280	.6253	.7192	.7184	.6240	.6230
GFI-1011-14	5/8	23/32	7/8	.937	.046	.6280	.6253	.7192	.7184	.6240	.6230
GFI-1011-16	5/8	23/32	1	.937	.046	.6280	.6253	.7192	.7184	.6240	.6230
GFI-1011-24	5/8	23/32	1 1/2	.937	.046	.6280	.6253	.7192	.7184	.6240	.6230
GFI-1214-02	3/4	7/8	1/8	1.125	.062	.7541	.7505	.8755	.8747	.7491	.7479
GFI-1214-06	3/4	7/8	3/8	1.125	.062	.7541	.7505	.8755	.8747	.7491	.7479
GFI-1214-08	3/4	7/8	1/2	1.125	.062	.7541	.7505	.8755	.8747	.7491	.7479
GFI-1214-10	3/4	7/8	5/8	1.125	.062	.7541	.7505	.8755	.8747	.7491	.7479
GFI-1214-12	3/4	7/8	3/4	1.125	.062	.7541	.7505	.8755	.8747	.7491	.7479
GFI-1214-16	3/4	7/8	1	1.125	.062	.7541	.7505	.8755	.8747	.7491	.7479
GFI-1214-24	3/4	7/8	1 1/2	1.125	.062	.7541	.7505	.8755	.8747	.7491	.7479
GFI-1416-08	7/8	1	1/2	1.250	.062	.8791	.8757	1.0005	.9997	.8741	.8729
GFI-1416-12	7/8	1	3/4	1.250	.062	.8791	.8757	1.0005	.9997	.8741	.8729
GFI-1416-16	7/8	1	1	1.250	.062	.8791	.8757	1.0005	.9997	.8741	.8729
GFI-1416-20	7/8	1	1 1/4	1.250	.062	.8791	.8757	1.0005	.9997	.8741	.8729
GFI-1416-24	7/8	1	1 1/2	1.250	.062	.8791	.8757	1.0005	.9997	.8741	.8729
GFI-1618-08	1	1 1/8	1/2	1.375	.062	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GFI-1618-12	1	1 1/8	3/4	1.375	.062	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GFI-1618-16	1	1 1/8	1	1.375	.062	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GFI-1618-20	1	1 1/8	1 1/4	1.375	.062	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GFI-1618-24	1	1 1/8	1 1/2	1.375	.062	1.0041	1.0007	1.1255	1.1247	.9991	.9979
GFI-1820-12	1 1/8	1 9/32	3/4	1.562	.078	1.1288	1.1254	1.2818	1.2808	1.1238	1.1226
GFI-1820-24	1 1/8	1 9/32	1 1/2	1.562	.078	1.1288	1.1254	1.2818	1.2808	1.1238	1.1226
GFI-2022-06	1 1/4	1 13/32	3/8	1.687	.078	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
GFI-2022-12	1 1/4	1 13/32	3/4	1.687	.078	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
GFI-2022-14	1 1/4	1 13/32	7/8	1.687	.078	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
GFI-2022-16	1 1/4	1 13/32	1	1.687	.078	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
GFI-2022-20	1 1/4	1 13/32	1 1/4	1.687	.078	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
GFI-2022-24	1 1/4	1 13/32	1 1/2	1.687	.078	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
GFI-2224-16	1 3/8	1 17/32	1	1.875	.078	1.3798	1.3758	1.5318	1.5308	1.3738	1.3722
GFI-2426-12	1 1/2	1 21/32	3/4	2.000	.078	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
GFI-2426-16	1 1/2	1 21/32	1	2.000	.078	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
GFI-2426-24	1 1/2	1 21/32	1 1/2	2.000	.078	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
GFI-2831-16	1 3/4	1 15/16	1	2.375	.093	1.7547	1.7505	1.9381	1.9371	1.7487	1.7471
GFI-2831-24	1 3/4	1 15/16	1 1/2	2.375	.093	1.7547	1.7505	1.9381	1.9371	1.7487	1.7471

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Flange Bearing

Dimensions [Inch]

Part number	d1	d2	b1	d3	b2	d1*		Housing Bore		Shaft Size	
						max.	min.	max.	min.	max.	min.
GFI-2831-32	1 3/4	1 15/16	2	2.375	.093	1.7547	1.7505	1.9381	1.9371	1.7487	1.7471
GFI-3235-16	2	2 3/16	1	2.625	.093	2.0057	2.0011	2.1883	2.1871	1.9981	1.9969
GFI-3235-24	2	2 3/16	1 1/2	2.625	.093	2.0057	2.0011	2.1883	2.1871	1.9981	1.9969
GFI-3235-32	2	2 3/16	2	2.625	.093	2.0057	2.0011	2.1883	2.1871	1.9981	1.9969
GFI-3639-32	2 1/4	2 7/16	2	2.750	.093	2.2577	2.2531	2.4377	2.4365	2.2507	2.2489
GFI-4043-32	2 1/2	2 11/16	2	3.125	.093	2.5082	2.5035	2.6881	2.6869	2.5000	2.4999
GFI-4447-32	2 3/4	2 15/16	2	3.375	.093	27570	2.7523	2.9370	2.9358	2.7500	2.7490

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Thrust Washer
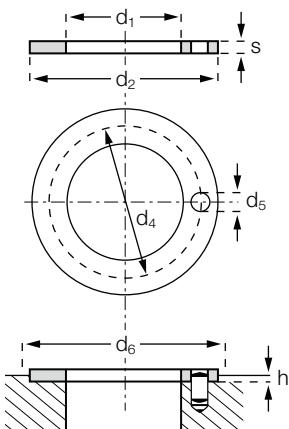
Order key

GTI-0814-01
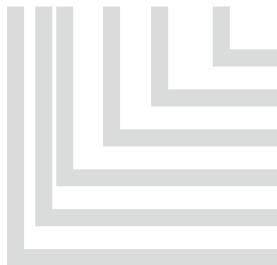
Thickness s
Outer diameter d2
Inner diameter d1
Inch
Type (Form T)
Material iglidur® G

Dimensions according to ISO 3547-1 and special dimensions

Dimensions [Inch]

Part number	d1 +.010	d2 -.010	s -.0020	d4 ±.005	d5 .015 + .005	h +.008	d6 +.005
GTI-0814-01	.500	.875	.0585	.692	.067	.040	.875
GTI-1018-01	.625	1.125	.0585	.880	.099	.040	1.125
GTI-1220-01	.750	1.250	.0585	1.005	.099	.040	1.250
GTI-1424-01	.875	1.500	.0585	1.192	.130	.040	1.500
GTI-1628-01	1.000	1.750	.0585	1.380	.130	.040	1.750
GTI-2034-01	1.250	2.125	.0585	1.692	.161	.040	2.125
GTI-2440-01	1.500	2.500	.0585	2.005	.192	.040	2.500
GTI-2844-01	1.750	2.750	.0585	2.255	.192	.040	2.750
GTI-3248-01	2.000	3.000	.0895	2.505	.192	.070	3.000

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