

The classic all-rounder – iglidur® G

Over 650 sizes available from stock

High wear resistance

Resistance to dust and dirt

Cost-effective

Lubrication and maintenance-free



Maintenance-free dry running

High wear resistance

Resistance to dust and dirt

Cost-effective

iglidur® G bearings cover an extremely wide range of different requirements – they are truly "all-round". The material is ideal for universal applications, a truly "all-round". Typical applications include medium to high loads, medium sliding speeds and medium temperatures.



When to use it?

- Economical all-round performance bearing
- For low to average surface 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 95
- When the highest wear resistance is required
 - ▶ iglidur® W300, page 153
- When universal chemical resistance is required
 - ▶ iglidur® X, page 245
- When temperatures are constantly higher than +130 °C
 - ▶ iglidur® H, page 313
 - ▶ iglidur® X, page 245
 - ▶ iglidur® H370, page 305
- For underwater use
 - ▶ iglidur® H370, page 305

Typical application areas

- Agricultural machines
- Construction machinery industry
- Machine building
- Sports and leisure
- Automotive industry
- Mechatronics



Available from stock

Detailed information about delivery time online.



Block pricing online

No minimum order value. From batch size 1.



Max. +130 °C

Min. -40 °C



Ø 1.5–195 mm

More dimensions upon request



Imperial dimensions available

▶ From page 1391



Online product finder

▶ www.igus.eu/iglidur-finder

Material properties

General properties	Unit	iglidur® G	Testing method
Density	g/cm ³	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			
Flexural modulus	MPa	7,800	DIN 53457
Flexural 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. long-term application temperature	°C	-40	
Heat 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 contact resistance	Ωcm	> 10 ¹³	DIN IEC 93
Surface resistance	Ω	> 10 ¹¹	DIN 53482

Table 01: Material properties table

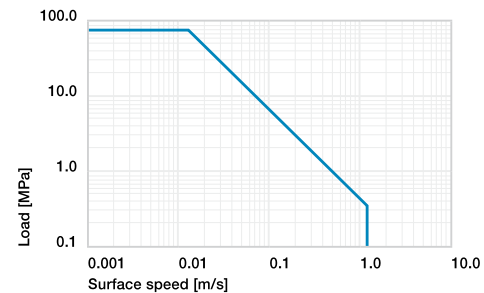


Diagram 01: Permissible pv values for iglidur® G bearings with a wall thickness of 1 mm dry running against a steel shaft, at +20 °C, mounted in a steel housing

Moisture absorption

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

▶ Diagram, www.igus.eu/g-moisture

Vacuum

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

Radiation resistance

Plain bearings made from iglidur® G are resistant to radiation up to an intensity of 3 · 10² Gy.

UV resistance

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

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 02: Chemical resistance

▶ Chemical table, page 1478

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 long-term maximum temperature of +130°C the permissible surface pressure is almost 35 MPa. The permissible maximum surface pressure is a mechanical material parameter. No conclusions regarding the tribological properties can be drawn from this.

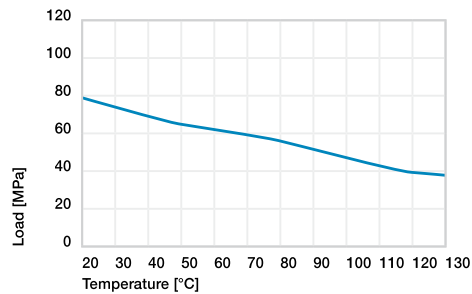


Diagram 02: Permissible maximum surface pressure of as a function of temperature (80 MPa at +20 °C)

Diagram 03 shows the elastic deformation of iglidur® G at radial loads. The plastic deformation is minimal up to a pressure of approximately 100 MPa. However, it is also dependent on the service time.

► Surface pressure, page 41

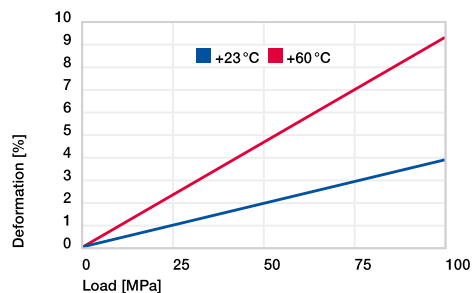


Diagram 03: Deformation under pressure and temperature

Permissible surface speeds

iglidur® G has been developed for low to medium surface speeds. The maximum values shown in table 03 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 44

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

Table 03: Maximum surface speeds

Temperatures

The ambient temperatures greatly influence the wear performance of plastic bearings. The temperatures prevailing in the bearing system also have an influence on the bearing wear. With increasing temperatures, the wear increases and this effect is significant when temperatures rise over +120°C. At temperatures over +80°C an additional securing is required.

► Application temperatures, page 49

► Additional securing, page 49

Friction and wear

Similar to wear resistance, the coefficient of friction μ also changes with the speed and load (diagrams 04 and 05).

► Coefficients of friction and surfaces, page 47

► Wear resistance, page 50

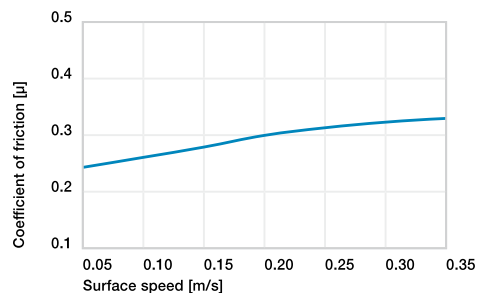


Diagram 04: Coefficient of friction as a function of the surface speed, $p = 0.75$ MPa

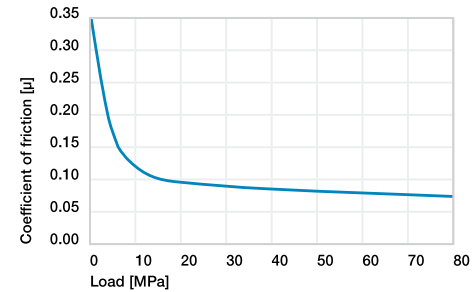


Diagram 05: Coefficient of friction as a function of the pressure, $v = 0.01$ m/s

Shaft materials

Friction and wear are to a large extent also highly dependent on the shaft materials. 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 $Ra = 0.8 \mu m$ is recommended. Diagram 06 shows results of testing different shaft materials with plain bearings made from iglidur® G. 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 recognise that the wear rate (the gradient of the curves) clearly decreases with the hard shaft materials. If the shaft material you plan on using is not shown in these test results, please contact us.

► Shaft materials, page 52

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 ($Ra = 1 \mu m$, 50 HRC)

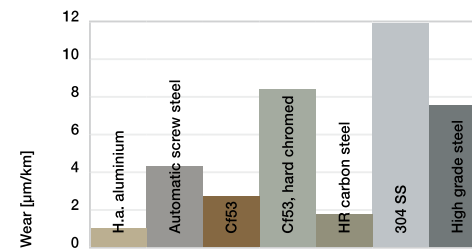


Diagram 06: Wear, rotating with different shaft materials, $p = 1$ MPa, $v = 0.3$ m/s

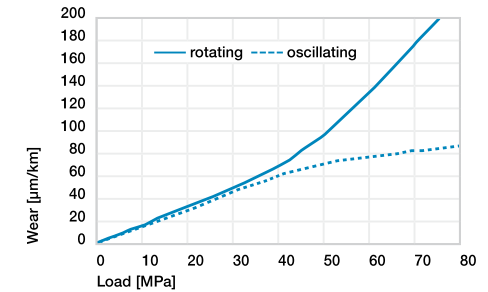


Diagram 07: Wear for oscillating and rotating applications with shaft material Cf53 hardened and ground steel, as a function of the pressure

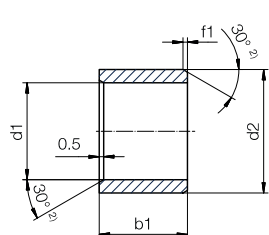
Installation tolerances

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, 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 57

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



Order key

Type	Dimensions [mm]
G S M - 0103-02	
iglidur® material	
Form S	
Metric	
Inner-Ø d1	
Outer-Ø d2	
Length b1	



Dimensions according to ISO 3547-1 and special dimensions

Imperial dimensions available
► From page 1402

2) 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

Dimensions [mm]

d1	d1- Tolerance ³⁾	d2	b1 h13	Part No.
1.5		3.0	2.0	GSM-0103-02
2.0		3.5	3.0	GSM-0203-03
2.5	+0.014	4.5	5.0	GSM-02504-05
3.0	+0.054	4.5	3.0	GSM-0304-03
3.0		4.5	5.0	GSM-0304-05
3.0		4.5	6.0	GSM-0304-06
4.0		5.5	4.0	GSM-0405-04
4.0	+0.020	5.5	6.0	GSM-0405-06
4.5	+0.068	6.0	8.0	GSM-0406-08
4.0		7.0	5.5	GSM-0407-05
5.0		6.0	4.6	GSM-0506-046
5.0	+0.010	6.0	5.0	GSM-0506-05
5.0	+0.040	6.0	7.0	GSM-0506-07
5.0		7.0	5.0	GSM-0507-05
5.0	+0.020	7.0	7.0	GSM-0507-07
5.0	+0.068	7.0	8.0	GSM-0507-08
5.0		7.0	10.0	GSM-0507-10
6.0		7.0	6.0	GSM-0607-06
6.0		7.0	12.0	GSM-0607-12
6.0	+0.010	7.0	17.0	GSM-0607-17
6.0	+0.040	7.0	17.5	GSM-0607-17.5
6.0		7.0	19.0	GSM-0607-19
6.0		8.0	1.5	GSM-0608-015
6.0		8.0	2.5	GSM-0608-025
6.0	+0.020	8.0	3.0	GSM-0608-03
6.0	+0.068	8.0	4.0	GSM-0608-04
6.0		8.0	5.0	GSM-0608-05
6.0		8.0	5.5	GSM-0608-055

d1	d1- Tolerance ³⁾	d2	b1 h13	Part No.
6.0		8.0	6.0	GSM-0608-06
6.0		8.0	8.0	GSM-0608-08
6.0	+0.020	8.0	9.5	GSM-0608-09
6.0	+0.068	8.0	10.0	GSM-0608-10
6.0		8.0	11.8	GSM-0608-11
6.0		8.0	13.8	GSM-0608-13
7.0	+0.013	8.0	10.0	GSM-0708-10
7.0	+0.049	8.0	19.0	GSM-0708-19
7.0		9.0	8.0	GSM-0709-08
7.0	+0.025	9.0	9.0	GSM-0709-09
7.0	+0.083	9.0	10.0	GSM-0709-10
7.0		9.0	12.0	GSM-0709-12
8.0		9.0	5.0	GSM-0809-05
8.0	+0.013	9.0	6.0	GSM-0809-06
8.0	+0.049	9.0	8.0	GSM-0809-08
8.0		9.0	12.0	GSM-0809-12
8.0		10.0	5.0	GSM-0810-05
8.0		10.0	6.0	GSM-0810-06
8.0		10.0	6.8	GSM-0810-07
8.0		10.0	8.0	GSM-0810-08
8.0		10.0	10.0	GSM-0810-10
8.0	+0.025	10.0	12.0	GSM-0810-12
8.0	+0.083	10.0	13.8	GSM-0810-13
8.0		10.0	14.0	GSM-0810-14
8.0		10.0	15.0	GSM-0810-15
8.0		10.0	16.0	GSM-0810-16
8.0		10.0	18.0	GSM-0810-18
8.0		10.0	20.0	GSM-0810-20

3) After press-fit. Testing methods ► Page 57

Dimensions [mm]

d1	d1- Tolerance ³⁾	d2	b1 h13	Part No.
8.0	+0.025	10.0	22.0	GSM-0810-22
8.0	+0.083	10.1	25.0	GSM-0810-25
8.0	+0.040	12.0	9.0	GSM-0812-09
	+0.130			
9.0	+0.013	10.0	12.0	GSM-0910-12
9.0	+0.049	10.0	16.0	GSM-0910-16
9.0	+0.025	11.0	6.0	GSM-0911-06
9.0	+0.083	11.0	20.0	GSM-0911-20
10.0		11.0	6.0	GSM-1011-06
10.0		11.0	7.0	GSM-1011-07
10.0	+0.013	11.0	10.0	GSM-1011-10
10.0	+0.049	11.0	20.0	GSM-1011-20
10.0		11.0	25.0	GSM-1011-25
10.0		11.0	30.0	GSM-1011-30
10.0		12.0	4.0	GSM-1012-04
10.0		12.0	4.5	GSM-1012-045
10.0		12.0	5.0	GSM-1012-05
10.0		12.0	6.0	GSM-1012-06
10.0		12.0	7.0	GSM-1012-07
10.0		12.0	8.0	GSM-1012-08
10.0	+0.025	12.0	9.0	GSM-1012-09
10.0	+0.083	12.0	10.0	GSM-1012-10
10.0		12.0	12.0	GSM-1012-12
10.0		12.0	14.0	GSM-1012-14
10.0		12.0	15.0	GSM-1012-15
10.0		12.0	17.0	GSM-1012-17
10.0		12.0	20.0	GSM-1012-20
10.0		13.0	13.5	GSM-1013-13
10.0	+0.025	14.0	10.0	GSM-1014-10
10.0	+0.115	14.0	20.0	GSM-1014-20
10.0	+0.040	16.0	10.0	GSM-1016-10
	+0.130			
12.0		13.0	4.7	GSM-1213-047
12.0	+0.016	13.0	10.0	GSM-1213-10
12.0	+0.059	13.0	12.0	GSM-1213-12
12.0		13.0	15.0	GSM-1213-15
12.0		14.0	4.0	GSM-1214-04
12.0		14.0	5.0	GSM-1214-05
12.0		14.0	6.0	GSM-1214-06
12.0		14.0	8.0	GSM-1214-08
12.0	+0.032	14.0	10.0	GSM-1214-10
12.0	+0.102	14.0	12.0	GSM-1214-12
12.0		14.0	14.0	GSM-1214-14
12.0		14.0	15.0	GSM-1214-15
12.0		14.0	20.0	GSM-1214-20

d1	d1- Tolerance ³⁾	d2	b1 h13	Part No.
12.0		14.0	25.0	GSM-1214-25
12.0	+0.032	15.0	6.0	GSM-1215-06
12.0	+0.102	15.0	22.0	GSM-1215-22
12.0		16.0	10.0	GSM-1216-10
12.0	+0.050	16.0	20.0	GSM-1216-20
13.0	+0.160	15.0	7.0	GSM-1315-070
13.0		15.0	7.5	GSM-1315-075
13.0		15.0	10.0	GSM-1315-10
13.0		15.0	15.0	GSM-1315-15
13.0		15.0	20.0	GSM-1315-20
13.0		15.0	25.0	GSM-1315-25
14.0		16.0	3.0	GSM-1416-03
14.0	+0.032	16.0	6.0	GSM-1416-06
14.0	+0.102	16.0	8.0	GSM-1416-08
14.0		16.0	10.0	GSM-1416-10
14.0		16.0	12.0	GSM-1416-12
14.0		16.0	15.0	GSM-1416-15
14.0		16.0	20.0	GSM-1416-20
14.0		16.0	25.0	GSM-1416-25
14.0		16.0	45.0	GSM-1416-45
15.0	+0.016	16.0	10.0	GSM-1516-10
15.0	+0.059	16.0	15.0	GSM-1516-15
15.0		17.0	4.0	GSM-1517-04
15.0		17.0	10.0	GSM-1517-10
15.0		17.0	12.0	GSM-1517-12
15.0		17.0	15.0	GSM-1517-15
15.0		17.0	20.0	GSM-1517-20
15.0		17.0	25.0	GSM-1517-25
16.0		18.0	5.5	GSM-1618-055
16.0		18.0	8.0	GSM-1618-08
16.0	+0.032	18.0	10.0	GSM-1618-10
16.0	+0.102	18.0	12.0	GSM-1618-12
16.0		18.0	13.5	GSM-1618-13.5
16.0		18.0	15.0	GSM-1618-15
16.0		18.0	20.0	GSM-1618-20
16.0		18.0	25.0	GSM-1618-25
16.0		18.0	30.0	GSM-1618-30
16.0		18.0	38.5	GSM-1618-38.5
16.0		18.0	50.0	GSM-1618-50
17.0		19.0	15.0	GSM-1719-15
18.0	+0.016	19.0	15.0	GSM-1819-15
	+0.059			
18.0		20.0	6.0	GSM-1820-06
18.0	+0.032	20.0	10.0	GSM-1820-10
18.0	+0.102	20.0	12.0	GSM-1820-12

3) After press-fit. Testing methods ► Page 57

Dimensions [mm]

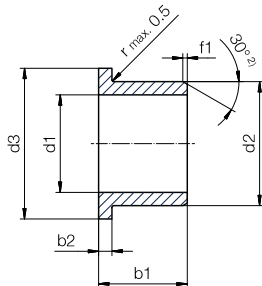
d1	d1- Tolerance ³⁾	d2	b1 h13	Part No.	d1	d1- Tolerance ³⁾	d2	b1 h13	Part No.
18.0		20.0	15.0	GSM-1820-15	24.0		27.0	20.0	GSM-2427-20
18.0		20.0	20.0	GSM-1820-20	24.0	+0.040	27.0	24.0	GSM-2427-24
18.0	+0.032	20.0	25.0	GSM-1820-25	24.0	+0.124	27.0	25.0	GSM-2427-25
18.0	+0.102	20.0	34.0	GSM-1820-34	24.0		27.0	30.0	GSM-2427-30
18.0		20.0	38.0	GSM-1820-38	25.0	+0.020	26.0	23.0	GSM-2526-23
18.0		20.0	45.0	GSM-1820-45	25.0	+0.072	26.0	25.0	GSM-2526-25
18.0		22.0	30.0	GSM-1822-30	25.0		28.0	12.0	GSM-2528-12
19.0	+0.040	22.0	6.0	GSM-1922-06	25.0		28.0	15.0	GSM-2528-15
19.0	+0.124	22.0	28.0	GSM-1922-28	25.0		28.0	20.0	GSM-2528-20
19.0		22.0	35.0	GSM-1922-35	25.0		28.0	24.0	GSM-2528-24
20.0	+0.020	21.0	20.0	GSM-2021-20	25.0		28.0	25.0	GSM-2528-25
20.0	+0.072				25.0		28.0	30.0	GSM-2528-30
20.0		22.0	3.0	GSM-2022-03	25.0		28.0	35.0	GSM-2528-35
20.0		22.0	8.0	GSM-2022-08	25.0		28.0	50.0	GSM-2528-50
20.0		22.0	10.5	GSM-2022-105	26.0	+0.040	30.0	16.0	GSM-2630-16
20.0		22.0	15.0	GSM-2022-15	27.0	+0.124	30.0	5.0	GSM-2730-05
20.0		22.0	20.0	GSM-2022-20	28.0		32.0	10.5	GSM-2832-105
20.0		22.0	22.0	GSM-2022-22	28.0		32.0	12.0	GSM-2832-12
20.0		22.0	28.0	GSM-2022-28	28.0		32.0	15.0	GSM-2832-15
20.0		22.0	30.0	GSM-2022-30	28.0		32.0	20.0	GSM-2832-20
20.0		22.0	47.0	GSM-2022-47	28.0		32.0	23.0	GSM-2832-23
20.0		23.0	4.5	GSM-2023-045	28.0		32.0	25.0	GSM-2832-25
20.0		23.0	10.0	GSM-2023-10	28.0		32.0	30.0	GSM-2832-30
20.0		23.0	15.0	GSM-2023-15	28.0	+0.065	35.0	19.0	GSM-2835-19
20.0		23.0	20.0	GSM-2023-20	28.0	+0.195	35.0	28.0	GSM-2835-28
20.0		23.0	24.0	GSM-2023-24	29.0	+0.040	33.0	6.0	GSM-2933-06
20.0	+0.040	23.0	25.0	GSM-2023-25	29.0	+0.124			
20.0	+0.124	23.0	30.0	GSM-2023-30	30.0	+0.020	31.0	5.0	GSM-3031-05
20.0		23.0	35.0	GSM-2023-35	30.0	+0.072	31.0	12.0	GSM-3031-12
22.0		24.0	8.0	GSM-2224-08	30.0		31.0	30.0	GSM-3031-30
22.0		24.0	10.0	GSM-2224-10	30.0		34.0	12.0	GSM-3034-12
22.0		24.0	12.0	GSM-2224-12	30.0		34.0	15.0	GSM-3034-15
22.0		24.0	15.0	GSM-2224-15	30.0		34.0	20.0	GSM-3034-20
22.0		24.0	17.0	GSM-2224-17	30.0		34.0	24.0	GSM-3034-24
22.0		24.0	20.0	GSM-2224-20	30.0	+0.040	34.0	25.0	GSM-3034-25
22.0		24.0	30.0	GSM-2224-30	30.0	+0.124	34.0	30.0	GSM-3034-30
22.0		24.0	48.0	GSM-2224-48	30.0		34.0	35.0	GSM-3034-35
22.0		25.0	15.0	GSM-2225-15	30.0		34.0	40.0	GSM-3034-40
22.0		25.0	20.0	GSM-2225-20	30.0		34.0	52.5	GSM-3034-525
22.0		25.0	25.0	GSM-2225-25	32.0		36.0	15.0	GSM-3236-15
22.0		25.0	30.0	GSM-2225-30	32.0		36.0	20.0	GSM-3236-20
22.0		25.0	38.5	GSM-2225-38.5	32.0	+0.050	36.0	30.0	GSM-3236-30
24.0	+0.020 +0.072	25.0	25.0	GSM-2425-25	32.0	+0.150	36.0	40.0	GSM-3236-40
24.0	+0.040	27.0	6.0	GSM-2427-06	35.0		39.0	14.0	GSM-3539-14
24.0	+0.124	27.0	15.0	GSM-2427-15	35.0		39.0	20.0	GSM-3539-20

³⁾ After press-fit. Testing methods ► Page 57

Dimensions [mm]

d1	d1- Tolerance ³⁾	d2	b1 h13	Part No.	d1	d1- Tolerance ³⁾	d2	b1 h13	Part No.
35.0		39.0	25.0	GSM-3539-25	60.0		65.0	30.0	GSM-6065-30
35.0		39.0	30.0	GSM-3539-30	60.0	+0.060	65.0	40.0	GSM-6065-40
35.0	+0.032	39.0	40.0	GSM-3539-40	60.0	+0.180	65.0	50.0	GSM-6065-50
35.0	+0.102	39.0	50.0	GSM-3539-50	60.0		65.0	60.0	GSM-6065-60
35.0		41.0	50.0	GSM-3541-50	60.0		65.0	70.0	GSM-6065-70
36.0		40.0	20.0	GSM-3640-20	62.0	+0.100	67.0	35.0	GSM-6267-35
37.0		41.0	20.0	GSM-3741-20	62.0	+0.250			
38.0		42.0	25.0	GSM-3842-25	62.0		67.0	72.0	GSM-6267-72
40.0		44.0	10.0	GSM-4044-10	65.0		70.0	30.0	GSM-6570-30
40.0		44.0	16.5	GSM-4044-16	65.0		70.0	50.0	GSM-6570-50
40.0		44.0	20.0	GSM-4044-20	65.0		70.0	104.0	GSM-6570-104
40.0		44.0	30.0	GSM-4044-30	68.0		73.0	60.0	GSM-6873-60
40.0		44.0	40.0	GSM-4044-40	70.0	+0.060	75.0	60.0	GSM-7075-60
40.0		44.0	50.0	GSM-4044-50	72.0	+0.180	77.0	24.5	GSM-7277-24.5
40.0		44.0	52.5	GSM-4044-525	72.0		77.0	76.0	GSM-7277-76
42.0	+0.050	46.0	40.0	GSM-4246-40	75.0		80.0	40.0	GSM-7580-40
44.0	+0.150	48.0	20.0	GSM-4448-20	75.0		80.0	60.0	GSM-7580-60
45.0		50.0	10.0	GSM-4550-10	80.0		85.0	60.0	GSM-8085-60
45.0		50.0	20.0	GSM-4550-20	80.0		85.0	100.0	GSM-8085-100
45.0		50.0	22.0	GSM-4550-22	85.0		90.0	100.0	GSM-8590-100
45.0		50.0	23.5	GSM-4550-235	90.0		95.0	100.0	GSM-9095-100
45.0		50.0	30.0	GSM-4550-30	95.0		100.0	100.0	GSM-95100-100
45.0		50.0	38.0	GSM-4550-38	100.0		105.0	21.5	GSM-100105-21.5
45.0		50.0	40.0	GSM-4550-40	100.0	+0.072	105.0	30.0	GSM-100105-30
45.0		50.0	50.0	GSM-4550-50	100.0	+0.212	105.0	32.0	GSM-100105-32
50.0		55.0	20.0	GSM-5055-20	100.0		105.0	100.0	GSM-100105-100
50.0		55.0	25.0	GSM-5055-25	105.0		110.0	100.0	GSM-105110-100
50.0		55.0	30.0	GSM-5055-30	110.0		115.0	100.0	GSM-110115-100
50.0		55.0	40.0	GSM-5055-40	120.0		125.0	100.0	GSM-120125-100
50.0		55.0	50.0	GSM-5055-50	125.0		130.0	100.0	GSM-125130-100
50.0		55.0	60.0	GSM-5055-60	130.0		135.0	100.0	GSM-130135-100
52.0		57.0	20.0	GSM-5257-20	135.0	+0.085	140.0	80.0	GSM-135140-80
55.0	+0.060	60.0	20.0	GSM-5560-20	140.0	+0.245	145.0	100.0	GSM-140145-100
55.0	+0.180	60.0	40.0	GSM-5560-40	140.0		145.0	104.0	GSM-140145-104
55.0		60.0	50.0	GSM-5560-50	150.0		155.0	100.0	GSM-150155-100
55.0		60.0	60.0	GSM-5560-60					

³⁾ After press-fit. Testing methods ► Page 57



Order key

Type	Dimensions [mm]
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G F M -0304-02

iglidur® material	Form F	Metric	Inner-Ø d1	Outer-Ø d2	Length b1
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Dimensions according to ISO 3547-1 and special dimensions



Imperial dimensions available
▶ From page 1428

d1	d1- Tolerance ³⁾	d2	d3	b1	b2	Part No.
6.0	+0.010	7.0	11.0	6.0	0.5	GFM-0607-06
6.0	+0.040	7.0	11.0	10.0	0.5	GFM-0607-10
6.0		8.0	12.0	2.5	1.0	GFM-0608-025
6.0		8.0	12.0	4.0	1.0	GFM-0608-04
6.0		8.0	12.0	4.8	1.0	GFM-0608-048
6.0		8.0	12.0	5.0	1.0	GFM-0608-05
6.0		8.0	12.0	6.0	1.0	GFM-0608-06
6.0	+0.020	8.0	12.0	7.0	1.0	GFM-0608-07
6.0	+0.068	8.0	12.0	8.0	1.0	GFM-0608-08
6.0		8.0	12.0	10.0	1.0	GFM-0608-10
6.0		8.0	12.0	25.0	1.0	GFM-0608-25
6.0		8.0	12.0	35.0	1.0	GFM-0608-35
6.0		8.0	14.0	2.8	1.0	GFM-060814-028
6.0		8.0	14.0	12.0	1.0	GFM-060814-12
7.0		8.0	12.0	1.7	0.5	GFM-0708-017
7.0	+0.013	8.0	12.0	3.0	0.5	GFM-0708-03
7.0	+0.049	8.0	12.0	6.0	0.5	GFM-0708-06
7.0		8.0	12.0	8.0	0.5	GFM-0708-08
7.0		9.0	15.0	3.5	1.0	GFM-0709-035
7.0		9.0	15.0	6.0	1.0	GFM-0709-06
7.0	+0.025	9.0	15.0	10.0	1.0	GFM-0709-10
7.0	+0.083	9.0	15.0	12.0	1.0	GFM-0709-12
7.0		9.0	19.0	10.0	1.0	GFM-070919-10
8.0		9.0	15.0	3.0	0.5	GFM-0809-03
8.0	+0.013	9.0	13.0	3.5	0.5	GFM-0809-035
8.0	+0.049	9.0	13.0	5.5	0.5	GFM-0809-055
8.0		9.0	13.0	8.0	0.5	GFM-0809-08
8.0		9.0	13.0	12.0	0.5	GFM-0809-12

²⁾ 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

Dimensions [mm]

d1	d1- Tolerance ³⁾	d2	d3	b1	b2	Part No.
3.0		4.5	7.5	2.0	0.5	GFM-0304-02
3.0	+0.014	4.5	7.0	2.7	0.75	GFM-0304-0275
3.0	+0.054	4.5	7.5	3.0	0.75	GFM-0304-03
3.0		4.5	7.5	5.0	0.75	GFM-0304-05
3.0		4.5	7.0	5.0	0.75	GFM-030407-05
4.0	+0.010	5.0	9.5	4.0	0.5	GFM-04050-04
4.0	+0.040	5.0	9.5	6.0	0.5	GFM-04050-06
4.0		5.5	9.5	2.5	0.75	GFM-0405-0255
4.0		5.5	9.5	3.0	0.75	GFM-0405-03
4.0	+0.020	5.5	9.5	4.0	0.75	GFM-0405-04
4.0	+0.068	5.5	9.5	6.0	0.75	GFM-0405-06
4.0		5.5	8.0	10.0	1.0	GFM-040508-10
5.0		6.0	10.0	3.5	0.5	GFM-0506-035
5.0		6.0	10.0	4.0	0.5	GFM-0506-04
5.0	+0.010	6.0	10.0	5.0	0.5	GFM-0506-05
5.0	+0.040	6.0	10.0	6.0	0.5	GFM-0506-06
5.0		6.0	10.0	15.3	0.5	GFM-0506-15
5.0		7.0	11.0	3.5	1.0	GFM-0507-03
5.0		7.0	11.0	4.0	1.0	GFM-0507-04
5.0		7.0	11.0	5.0	1.0	GFM-0507-05
5.0		7.0	11.0	7.0	1.0	GFM-0507-07
5.0	+0.020	7.0	11.0	11.0	1.0	GFM-0507-11
5.0	+0.068	7.0	11.0	14.5	1.0	GFM-0507-145
5.0		7.0	11.0	30.0	1.0	GFM-0507-30
5.0		7.0	9.5	5.0	1.0	GFM-050709-05
5.0		7.0	15.0	4.0	1.0	GFM-050715-04
6.0	+0.010	7.0	11.0	2.4	0.5	GFM-0607-024
6.0	+0.040	7.0	11.0	4.5	0.5	GFM-0607-045

³⁾ After press-fit. Testing methods ▶ Page 57

Dimensions [mm]

d1	d1- Tolerance ³⁾	d2	d3	b1	b2	Part No.
8.0		10.0	15.0	3.0	1.0	GFM-0810-03
8.0		10.0	15.0	4.0	1.0	GFM-0810-04
8.0		10.0	15.0	5.5	1.0	GFM-0810-05
8.0		10.0	15.0	6.5	1.0	GFM-0810-065
8.0		10.0	15.0	7.5	1.0	GFM-0810-07
8.0		10.0	15.0	9.5	1.0	GFM-0810-09
8.0	+0.025	10.0	15.0	10.0	1.0	GFM-0810-10
8.0	+0.083	10.0	14.0	11.0	1.0	GFM-0810-11
8.0		10.0	15.0	15.0	1.0	GFM-0810-15
8.0		10.0	15.0	25.0	1.0	GFM-0810-25
8.0		10.0	15.0	30.0	1.0	GFM-0810-30
8.0		10.0	12.0	12.5	1.0	GFM-081012-125
8.0		10.0	13.0	8.0	1.0	GFM-081013-08
8.0	+0.040	10.0	14.0	5.0	1.0	GFM-081014-05
8.0	+0.098	10.0	14.0	6.0	1.0	GFM-081014-06
8.0	+0.025	10.0	14.0	8.0	1.0	GFM-081014-08
8.0	+0.083	10.0	14.0	8.0	1.0	GFM-081014-08
8.0	+0.040	10.0	14.0	10.0	1.0	GFM-081014-10
8.0	+0.098	10.0	14.0	10.0	1.0	GFM-081014-10
8.0		10.0	16.0	11.5	1.5	GFM-081016-11
8.0	+0.025	10.0	16.0	15.0	1.5	GFM-081016-15
8.0	+0.083	10.0	17.0	15.0	1.0	GFM-081017-15
8.0		10.0	18.0	3.0	1.0	GFM-081018-03
8.0	+0.040	12.0	16.0	6.0	2.0	GFM-0812-06
8.0	+0.130	12.0	21.0	8.0	2.0	GFM-081221-08
9.0	+0.013	10.0	15.0	6.5	0.5	GFM-0910-065
9.0	+0.049	10.0	15.0	17.5	0.5	GFM-0910-17
10.0	+0.013	11.0	20.0	3.5	0.5	GFM-1011-03
10.0	+0.046	11.0	20.0	3.5	0.5	GFM-1011-03
10.0	+0.013	11.0	15.0	4.4	0.5	GFM-1011-044
10.0	+0.049	11.0	15.0	10.0	0.5	GFM-1011-10
10.0		12.0	18.0	3.5	1.0	GFM-1012-035
10.0		12.0	18.0	4.0	1.0	GFM-1012-04
10.0		12.0	18.0	5.0	1.0	GFM-1012-05
10.0		12.0	18.0	6.0	1.0	GFM-1012-06
10.0		12.0	18.0	7.0	1.0	GFM-1012-07
10.0		12.0	18.0	9.0	1.0	GFM-1012-09
10.0	+0.025	12.0	18.0	10.0	1.0	GFM-1012-10
10.0	+0.083	12.0	18.0	12.0	1.0	GFM-1012-12
10.0		12.0	18.0	15.0	1.0	GFM-1012-15
10.0		12.0	18.0	17.0	1.0	GFM-1012-17
10.0		12.0	15.0	12.0	1.0	GFM-101215-12
10.0		12.0	16.0	6.0	1.0	GFM-101216-06
10.0		12.0	16.0	9.0	1.0	GFM-101216-09
10.0		12.0	16.0	15.0	1.0	GFM-101216-15

³⁾ After press-fit. Testing methods ▶ Page 57

d1	d1- Tolerance ³⁾	d2	d3	b1	b2	Part No.
11.0		12.0	16.0	6.0	0.5	GFM-1112-06
12.0	+0.016	13.0	17.0	3.0	0.5	GFM-1213-03
12.0	+0.059	13.0	15.0	12.0	0.5	GFM-121315-12
12.0		13.0	17.0	12.0	0.5	GFM-1213-12
12.0		14.0	20.0	3.0	1.0	GFM-1214-03
12.0		14.0	20.0	5.0	1.0	GFM-1214-05
12.0		14.0	20.0	6.0	1.0	GFM-1214-06
12.0		14.0	20.0	7.0	1.0	GFM-1214-07
12.0		14.0	20.0	9.0	1.0	GFM-1214-09
12.0		14.0	20.0	10.0	1.0	GFM-1214-10
12.0		14.0	20.0	11.0	1.0	GFM-1214-11
12.0		14.0	20.0	12.0	1.0	GFM-1214-12
12.0		14.0	20.0	15.0	1.0	GFM-1214-15
12.0		14.0	20.0	17.0	1.0	GFM-1214-17
12.0		14.0	20.0	20.0	1.0	GFM-1214-20
12.0		14.0	20.0	24.0	1.0	GFM-1214-24
12.0		14.0	20.0	31.0	1.0	GFM-1214-31
12.0		14.0	20.0	40.0	1.0	GFM-1214-40
12.0	+0.032	14.0	18.0	4.0	1.0	GFM-121418-04
12.0	+0.102	14.0	18.0	8.0	1.0	GFM-121418-08
12.0		14.0	18.0	10.0	1.0	GFM-121418-10
12.0		14.0	18.0	12.0	1.0	GFM-121418-12
12.0		14.0	18.0	15.0	1.0	GFM-121418-15
12.0		14.0	18.0	20.0	1.0	GFM-121418-20
13.0		15.0	22.0	6.0	1.0	GFM-1315-06
13.0		15.0	22.0	8.0	1.0	GFM-1315-08
13.0		15.0	22.0	40.0	1.0	GFM-131522-40
14.0		16.0	22.0	3.0	1.0	GFM-1416-03
14.0		16.0	22.0	4.0	1.0	GFM-1416-04
14.0		16.0	22.0	6.0	1.0	GFM-1416-06
14.0		16.0	22.0	8.0	1.0	GFM-1416-08
14.0		16.0	22.0	10.0	1.0	GFM-1416-10
14.0		16.0	22.0	12.0	1.0	GFM-1416-12
14.0		16.0	22.0	17.0	1.0	GFM-1416-17
14.0		16.0	22.0	21.0	1.0	GFM-1416-21
15.0		16.0	20.0	2.0	0.5	GFM-1516-02
15.0	+0.016	16.0	20.0	2.5	0.5	GFM-1516-025
15.0	+0.059	16.0	20.0	3.0	0.5	GFM-1516-03
15.0		16.0	20.0	15.0	0.5	GFM-1516-15
15.0		17.0	23.0	4.0	1.0	GFM-1517-04
15.0		17.0	23.0	4.5	1.0	GFM-1517-045
15.0	+0.032	17.0	23.0	5.0	1.0	GFM-1517-05
15.0	+0.102	17.0	23.0	9.0	1.0	GFM-1517-09
15.0		17.0	23.0	12.0	1.0	GFM-1517-12
15.0		17.0	23.0	17.0	1.0	GFM-1517-17

Dimensions [mm]

d1	d1- Tolerance ³⁾	d2	d3	b1	b2	Part No.	d1	d1- Tolerance ³⁾	d2	d3	b1	b2	Part No.
			d13	h13	-0.14					d13	h13	-0.14	
15.0		17.0	23.0	20.0	1.0	GFM-1517-20	25.0		27.0	32.0	7.0	1.0	GFM-2527-07
15.0		18.0	24.0	32.0	1.5	GFM-151824-32	25.0		27.0	32.0	48.0	1.0	GFM-2527-48
16.0		18.0	24.0	4.0	1.0	GFM-1618-04	25.0		28.0	35.0	11.5	1.5	GFM-2528-11
16.0		18.0	24.0	5.0	1.0	GFM-1618-05	25.0		28.0	35.0	16.5	1.5	GFM-2528-16
16.0		18.0	24.0	6.0	1.0	GFM-1618-06	25.0		28.0	35.0	21.5	1.5	GFM-2528-21
16.0		18.0	24.0	9.0	1.0	GFM-1618-09	25.0		28.0	30.0	10.0	1.5	GFM-252830-10
16.0		18.0	24.0	12.0	1.0	GFM-1618-12	26.0		30.0	37.0	12.0	2.0	GFM-2630-12
16.0		18.0	24.0	16.0	1.0	GFM-1618-16	27.0		30.0	38.0	20.0	1.5	GFM-2730-20
16.0		18.0	24.0	17.0	1.0	GFM-1618-17	28.0		30.0	36.0	10.0	1.0	GFM-2830-10
16.0		18.0	24.0	21.0	1.0	GFM-1618-21	28.0		30.0	35.0	36.0	1.0	GFM-2830-36
17.0		19.0	25.0	9.0	1.0	GFM-1719-09	28.0		30.0	35.0	48.0	1.0	GFM-2830-48
17.0	+0.032	19.0	25.0	16.0	1.0	GFM-1719-16	28.0		30.0	36.0	31.0	1.0	GFM-283036-31
17.0	+0.102	19.0	25.0	25.0	1.0	GFM-1719-25	28.0	+0.040	32.0	39.0	20.0	2.0	GFM-283239-20
18.0		20.0	26.0	4.0	1.0	GFM-1820-04	28.0	+0.124	32.0	50.0	35.0	2.0	GFM-283250-35
18.0		20.0	26.0	6.0	1.0	GFM-1820-06	30.0		31.0	36.0	20.0	0.5	GFM-3031-20
18.0		20.0	26.0	9.0	1.0	GFM-1820-09	30.0		31.0	35.0	30.0	0.5	GFM-3031-30
18.0		20.0	26.0	11.0	1.0	GFM-1820-11	30.0		32.0	37.0	4.0	1.0	GFM-3032-04
18.0		20.0	26.0	12.0	1.0	GFM-1820-12	30.0		32.0	37.0	12.0	1.0	GFM-3032-12
18.0		20.0	26.0	17.0	1.0	GFM-1820-17	30.0		32.0	37.0	17.5	1.0	GFM-3032-17
18.0		20.0	26.0	22.0	1.0	GFM-1820-22	30.0		32.0	37.0	22.0	1.0	GFM-3032-22
18.0		20.0	26.0	30.0	1.0	GFM-1820-30	30.0		34.0	42.0	9.0	2.0	GFM-3034-09
18.0		20.0	26.0	32.0	1.0	GFM-1820-32	30.0		34.0	42.0	16.0	2.0	GFM-3034-16
18.0		20.0	22.0	6.0	1.0	GFM-182022-06	30.0		34.0	42.0	20.0	2.0	GFM-3034-20
18.0		22.0	26.0	28.0	2.0	GFM-1822-28	30.0		34.0	42.0	26.0	2.0	GFM-3034-26
20.0		21.0	26.0	3.5	0.5	GFM-2021-035	30.0		34.0	42.0	37.0	2.0	GFM-3034-37
20.0	+0.020	21.0	25.0	15.0	0.5	GFM-2021-15	30.0		34.0	40.0	10.0	2.0	GFM-303440-10
20.0	+0.072	21.0	25.0	20.0	0.5	GFM-2021-20	32.0		36.0	40.0	16.0	2.0	GFM-3236-16
20.0		23.0	30.0	7.0	1.5	GFM-2023-07	32.0		36.0	40.0	26.0	2.0	GFM-3236-26
20.0		23.0	30.0	11.5	1.5	GFM-2023-11	34.0		38.0	50.0	35.0	2.0	GFM-343850-35
20.0		23.0	30.0	16.5	1.5	GFM-2023-16	35.0		39.0	47.0	5.8	2.0	GFM-3539-058
20.0		23.0	30.0	21.5	1.5	GFM-2023-21	35.0		39.0	47.0	7.0	2.0	GFM-3539-07
20.0		23.0	26.0	7.0	1.5	GFM-202326-07	35.0		39.0	47.0	12.0	2.0	GFM-3539-12
20.0		23.0	26.0	21.5	1.5	GFM-202326-21	35.0		39.0	47.0	16.0	2.0	GFM-3539-16
20.0		23.0	28.0	15.0	1.5	GFM-202328-15	35.0		39.0	47.0	26.0	2.0	GFM-3539-26
20.0	+0.040	23.0	29.0	20.0	1.5	GFM-202329-20	35.0	+0.050	39.0	47.0	36.0	2.0	GFM-3539-36
22.0	+0.124	24.0	30.0	25.0	1.0	GFM-2224-25	38.0	+0.150	42.0	54.0	22.0	2.0	GFM-3842-22
22.0		25.0	29.0	4.5	1.5	GFM-222529-045	40.0		44.0	52.0	7.0	2.0	GFM-4044-07
22.0		25.0	30.0	21.5	1.5	GFM-222530-215	40.0		44.0	52.0	14.0	2.0	GFM-4044-14
22.0		25.0	30.0	25.0	1.5	GFM-222530-25	40.0		44.0	52.0	20.0	2.0	GFM-4044-20
22.0		25.0	35.0	31.5	1.5	GFM-222535-315	40.0		44.0	52.0	30.0	2.0	GFM-4044-30
24.0		27.0	32.0	7.0	1.5	GFM-2427-07	40.0		44.0	52.0	40.0	2.0	GFM-4044-40
24.0		27.0	32.0	10.5	1.5	GFM-2427-10	40.0		44.0	52.0	50.0	2.0	GFM-4044-50
25.0	+0.020	26.0	30.0	25.0	0.5	GFM-2526-25	40.0		46.0	50.0	20.0	2.0	GFM-4046-20
	+0.072						42.0		46.0	53.0	19.0	2.0	GFM-4246-19

³⁾ After press-fit. Testing methods ► Page 57

Dimensions [mm]

d1	d1- Tolerance ³⁾	d2	d3	b1	b2	Part No.	d1	d1- Tolerance ³⁾	d2	d3	b1	b2	Part No.
			d13	h13	-0.14					d13	h13	-0.14	
45.0		50.0	58.0	25.0	2.0	GFM-4550-25	80.0	+0.060	85.0	93.0	50.0	2.5	GFM-8085-50
45.0		50.0	58.0	30.0	2.0	GFM-4550-30	80.0	+0.180	85.0	93.0	100.0	2.5	GFM-8085-100
45.0		50.0	58.0	50.0	2.0	GFM-4550-50	85.0		90.0	98.0	100.0	2.5	GFM-8590-100
50.0	+0.050	55.0	63.0	7.0	2.0	GFM-5055-07	90.0		95.0	103.0	100.0	2.5	GFM-9095-100
50.0	+0.150	55.0	63.0	10.0	2.0	GFM-5055-10	95.0		100.0	108.0	100.0	2.5	GFM-95100-100
50.0		55.0	63.0	25.0	2.0	GFM-5055-25	100.0	+0.072	105.0	113.0	42.5	2.5	GFM-100105-425
50.0		55.0	63.0	40.0	2.0	GFM-5055-40	100.0	+0.212	105.0	113.0	100.0	2.5	GFM-100105-100
50.0		55.0	63.0	50.0	2.0	GFM-5055-50	110.0		115.0	123.0	100.0	2.5	GFM-110115-100
60.0		65.0	73.0	7.0	2.0	GFM-6065-07	120.0		125.0	133.0	80.0	2.5	GFM-120125-80
60.0		65.0	73.0	22.0	2.0	GFM-6065-22	120.0		125.0	133.0	100.0	2.5	GFM-120125-100
60.0		65.0	73.0	30.0	2.0	GFM-6065-30	125.0		130.0	138.0	100.0	2.5	GFM-125130-100
60.0		65.0	73.0	50.0	2.0	GFM-6065-50	130.0		135.0	143.0	100.0	2.5	GFM-130135-100
60.0	+0.060	65.0	80.0	62.0	2.0	GFM-606580-62	140.0	+0.085	145.0	153.0	100.0	2.5	GFM-140145-100
65.0	+0.180	70.0	78.0	50.0	2.0	GFM-6570-50	150.0	+0.245	155.0	163.0	40.0	2.5	GFM-150155-40
70.0		75.0	83.0	50.0	2.0	GFM-7075-50	150.0		155.0	163.0	100.0	2.5	GFM-150155-100
70.0		75.0	83.0	85.5	2.0	GFM-7075-855	195.0	+0.100	205.0	240.0	65.0	5.0	GFM-195205240-65
75.0		80.0	88.0	50.0	2.0	GFM-7580-50		+0.285					

³⁾ After press-fit. Testing methods ► Page 57

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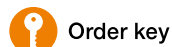
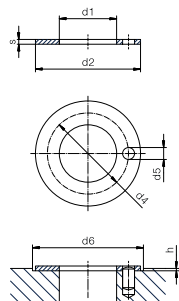
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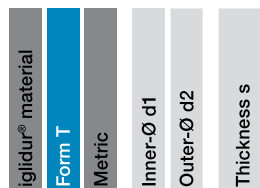
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Order key

Type Dimensions [mm]

G T M-04 08-005



 Imperial dimensions available
 ▶ From page 1445

 Dimensions according to ISO 3547-1
 and special dimensions

Dimensions [mm]

d1	d2	s	d4	d5	h	d6	Part No.
+0.25	-0.25	-0.05	-0.12 +0.12	+0.375 +0.125	+0.2 -0.2	+0.12	
4.0	8.0	0.5	⁴⁾	⁴⁾	0.2	8.0	GTM-0408-005
4.0	9.0	0.6	⁴⁾	⁴⁾	0.3	9.0	GTM-0409-006
4.0	9.0	1.6	⁴⁾	⁴⁾	0.3	9.0	GTM-0409-016
4.0	10.0	0.5	⁴⁾	⁴⁾	0.2	10.0	GTM-0410-005
4.0	11.0	0.5 (-0.06)	⁴⁾	⁴⁾	0.2	11.0	GTM-0411-005
5.0	9.5	0.6	⁴⁾	⁴⁾	0.3	9.5	GTM-0509-006
6.0	11.0	1.0	⁴⁾	⁴⁾	0.7	11.0	GTM-0611-010
6.0	12.0	1.5	⁴⁾	⁴⁾	1.0	12.0	GTM-0612-015
6.0	15.0	1.5	⁴⁾	⁴⁾	1.0	15.0	GTM-0615-015
6.0	20.0	1.5	13.0	1.5	1.0	20.0	GTM-0620-015
7.0	12.0	0.5	⁴⁾	⁴⁾	0.2	12.0	GTM-0712-005
7.0	13.0	0.5	⁴⁾	⁴⁾	0.2	13.0	GTM-0713-005
8.0	15.0	0.5	⁴⁾	⁴⁾	0.2	15.0	GTM-0815-005
8.0	15.0	1.5	⁴⁾	⁴⁾	1.0	15.0	GTM-0815-015
8.0	18.0	1.0	⁴⁾	⁴⁾	0.7	18.0	GTM-0818-010
8.0	18.0	1.5	13.0	1.5	1.0	18.0	GTM-0818-015
8.0	18.0	2.0	⁴⁾	⁴⁾	1.5	18.0	GTM-0818-020
9.0	13.0	1.0	⁴⁾	⁴⁾	0.7	13.0	GTM-0913-010
9.0	18.0	1.5	13.5	1.5	1.0	18.0	GTM-0918-015
10.0	17.8	0.5	⁴⁾	⁴⁾	0.2	17.8	GTM-1018-005
10.0	18.0	1.0	⁴⁾	⁴⁾	0.7	18.0	GTM-1018-010
10.0	18.0	1.5	⁴⁾	⁴⁾	1.0	18.0	GTM-1018-015
10.0	18.0	2.0	⁴⁾	⁴⁾	1.5	18.0	GTM-1018-020
10.0	20.0	1.5	⁴⁾	⁴⁾	0.7	20.0	GTM-1020-015
11.0	15.0	1.0	⁴⁾	⁴⁾	0.7	15.0	GTM-1115-010
11.0	27.0	0.5	⁴⁾	⁴⁾	0.2	27.0	GTM-1127-005
12.0	24.0	1.5	18.0	1.5	1.0	24.0	GTM-1224-015
12.2	30.0	1.5	⁴⁾	⁴⁾	1.0	30.0	GTM-1230-015

⁴⁾ Design without fixing bore

Dimensions [mm]

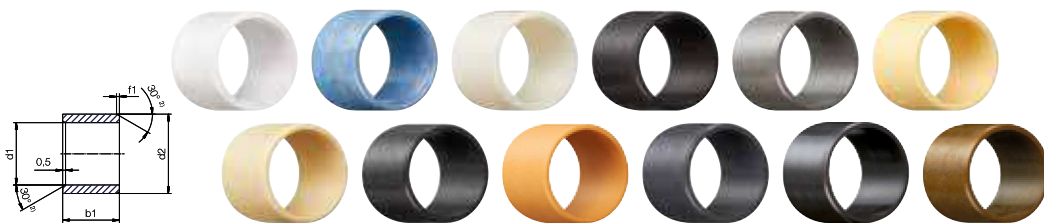
d1	d2	s	d4	d5	h	d6	Part No.
+0.25	-0.25	-0.05	-0.12 +0.12	+0.375 +0.125	+0.2 -0.2	+0.12	
14.0	20.0	1.5	⁴⁾	⁴⁾	1.0	20.0	GTM-1420-015
14.0	26.0	1.5	20.0	2.0	1.0	26.0	GTM-1426-015
15.0	22.0	0.8	⁴⁾	⁴⁾	0.5	22.0	GTM-1522-008
15.0	19.0	0.8	⁴⁾	⁴⁾	0.5	19.0	GTM-1519-008
15.0	24.0	1.5	19.5	1.5	1.0	24.0	GTM-1524-015
15.0	24.0	2.75	⁴⁾	⁴⁾	2.0	24.0	GTM-1524-0275
16.0	28.0	1.0	⁴⁾	⁴⁾	0.7	28.0	GTM-1628-010
16.0	30.0	1.5	22.0	2.0	1.0	30.0	GTM-1630-015
18.0	32.0	1.5	25.0	2.0	1.0	32.0	GTM-1832-015
20.0	36.0	1.5	28.0	3.0	1.0	36.0	GTM-2036-015
22.0	30.0	1.5	⁴⁾	⁴⁾	1.0	30.0	GTM-2230-015
22.0	38.0	1.5	30.0	3.0	1.0	38.0	GTM-2238-015
24.0	42.0	1.5	33.0	3.0	1.0	42.0	GTM-2442-015
26.0	44.0	1.5	35.0	3.0	1.0	44.0	GTM-2644-015
28.5	35.8	0.5	⁴⁾	⁴⁾	0.2	35.8	GTM-2835-005
28.0	48.0	1.5	38.0	4.0	1.0	48.0	GTM-2848-015
32.0	45.8	1.0	⁴⁾	⁴⁾	0.7	45.8	GTM-3246-010
32.0	54.0	1.5	43.0	4.0	1.0	54.0	GTM-3254-015
38.0	62.0	1.5	50.0	4.0	1.0	62.0	GTM-3862-015
42.0	66.0	1.5	54.0	4.0	1.0	66.0	GTM-4266-015
48.0	60.0	2.0	⁴⁾	⁴⁾	1.5	60.0	GTM-4860-020
48.0	74.0	2.0	61.0	4.0	1.5	74.0	GTM-4874-020
52.0	78.0	2.0	65.0	4.0	1.5	78.0	GTM-5278-020
52.5	69.0	2.0	⁴⁾	⁴⁾	1.5	69.0	GTM-52569-020
62.0	78.0	2.0	⁴⁾	⁴⁾	1.5	78.0	GTM-6278-020
62.0	90.0	1.0	⁴⁾	⁴⁾	0.7	90.0	GTM-6290-010
62.0	90.0	2.0	76.0	4.0	1.5	90.0	GTM-6290-020
68.0	81.0	2.0	⁴⁾	⁴⁾	1.5	81.0	GTM-6881-020
78.0	114.0	1.5	⁴⁾	⁴⁾	1.0	114.0	GTM-78114-015
80.5	114.0	1.5	⁴⁾	⁴⁾	1.0	114.0	GTM-80114-015

⁴⁾ Design without fixing bore

Even more dimensions from stock

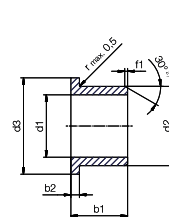
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Dimensions sleeve Abmessungen zylindrisch [mm]

Part No. Art.-Nr.	d1	d1 tolerance d1-Toleranz	d2	b1 h13
A180SM-0810-15	8.0	+0.025 +0.083	10.0	15.0
A350SM-1416-12	14.0	+0.016 +0.068	16.0	12.0
C500SM-3034-30	30.0	+0.020 +0.104	34.0	30.0
F2SM-1214-15	12.0	+0.032 +0.102	14.0	15.0
F2SM-1618-20	16.0	+0.032 +0.102	18.0	20.0
GSM-0406-06	4.0	+0.020 +0.068	6.0	6.0
GSM-0810-36	8.0	+0.025 +0.083	10.0	36.0
GSM-120125-78	120.0	+0.072 +0.212	125.0	78.0
GSM-1214-45	12.0	+0.032 +0.102	14.0	45.0
GSM-1820-30	18.0	+0.032 +0.102	20.0	30.0
GSM-1822-15	18.0	+0.032 +0.102	22.0	15.0
GSM-2021-095	20.0	+0.020 +0.072	21.0	9.5
JSM-0814-08	8.0	+0.040 +0.130	14.0	8.0
JSM-1216-06	12.0	+0.050 +0.0160	16.0	6.0
JSM-1218-10	12.0	+0.050 +0.0160	18.0	10.0
JSM-1315-06	13.0	+0.050 +0.0160	15.0	6.0
JSM-1620-20	16.0	+0.050 +0.0160	20.0	20.0
JSM-6065-100	60.0	+0.060 +0.180	65.0	100.0
MSM-1620-10	16.0	+0.050 +0.0160	20.0	10.0
P210SM-1214-04	12.0	+0.032 +0.102	14.0	4.0
PSM-0608-05	6.0	+0.020 +0.068	8.0	5.0
PSM-0812-10	8.0	+0.040 +0.130	12.0	10.0
PSM-3236-15	32.0	+0.050 +0.150	36.0	15.0
Q2SM-1012-04	10.0	+0.025 +0.083	12.0	4.0
Q2SM-4246-52	42.0	+0.050 +0.150	46.0	52.0
X6SM-1416-22	14.0	+0.016 +0.086	16.0	22.0
X6SM-1618-12	16.0	+0.016 +0.086	18.0	12.0
X6SM-2023-15	20.0	+0.020 +0.104	23.0	15.0
ZSM-2225-35	22.0	+0.020 +0.104	25.0	35.0
ZSM-6065-25	60.0	+0.030 +0.150	65.0	25.0
ZSM-9095-100	90.0	+0.036 +0.176	95.0	100.0



Dimensions with flange Abmessungen mit Bund [mm]

Part No. Art.-Nr.	d1	d1 tolerance d1-Toleranz	d2	d3	b1 h13	b2
GFM-060710-06	6.0	+0.010 +0.040	7.0	10.0	6.0	0.5
GFM-0812-16	8.0	+0.040 +0.130	12.0	16.0	16.0	2.0
GFM-101115-03	10.0	+0.013 +0.046	11.0	15.0	3.0	1.0
GFM-1012-11	10.0	+0.025 +0.083	12.0	18.0	11.0	1.0
GFM-1012-25	10.0	+0.025 +0.083	12.0	18.0	25.0	1.0
GFM-1719-07	17.0	+0.032 +0.102	19.0	25.0	7.0	1.0
GFM-2527-12	25.0	+0.040 +0.124	27.0	32.0	12.0	1.0
GFM-2527-15	25.0	+0.040 +0.124	27.0	32.0	15.0	1.0
GFM-3034-12	30.0	+0.040 +0.124	34.0	42.0	12.0	2.0
GFM-303440-07	30.0	+0.040 +0.124	34.0	40.0	7.0	2.0
H1FM-0405-06	4.0	+0.010 +0.058	5.5	9.5	6.0	0.8
J350FM-6065-50	60.0	+0.030 +0.150	65.0	73.0	50.0	2.0
J3FM-081418-15	8.0	+0.025 +0.083	14.0	18.0	15.0	2.0
JFM-040810-15	4.0	+0.020 +0.068	8.0	10.0	15.0	2.0
JFM-0810-03	8.0	+0.025 +0.083	10.0	15.0	3.0	1.0
JFM-121419-06	12.0	+0.032 +0.102	14.0	19.0	6.0	1.0
JFM-121622-20	12.0	+0.050 +0.0160	16.0	22.0	20.0	2.0
JFM-2023-07	20.0	+0.040 +0.124	23.0	30.0	7.0	1.5
PFM-1214-08	12.0	+0.032 +0.102	14.0	8.0	20.0	1.0
PFM-1618-08	16.0	+0.032 +0.102	18.0	8.0	24.0	1.0
P210FM-0405-06	4.0	+0.020 +0.068	5.5	9.5	6.0	0.8
Q290FM-8085-100	80.0	+0.060 +0.180	85.0	93.0	100.0	2.5
Q2FM-101219-13	10.0	+0.025 +0.083	12.0	19.0	13.0	1.0
Q2FM-1013-05	10.0	+0.025 +0.083	13.0	20.0	5.0	1.0
Q2FM-2023-07	20.0	+0.040 +0.124	23.0	30.0	7.0	1.5
QFM-101215-04	10.0	+0.025 +0.083	12.0	15.0	4.0	1.0
QFM-121418-06	12.0	+0.032 +0.102	14.0	18.0	6.0	1.0
WFM-2023-08	20.0	+0.040 +0.124	23.0	30.0	8.0	1.5
XFM-1214-50	12.0	+0.016 +0.086	14.0	50.0	20.0	1.0
X6FM-0608-04	6.0	+0.010 +0.058	8.0	12.0	4.0	1.0
ZFM-1012-25	10.0	+0.013 +0.071	12.0	18.0	25.0	1.0
ZFM-2023-075	20.0	+0.020 +0.104	23.0	30.0	7.5	1.5



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