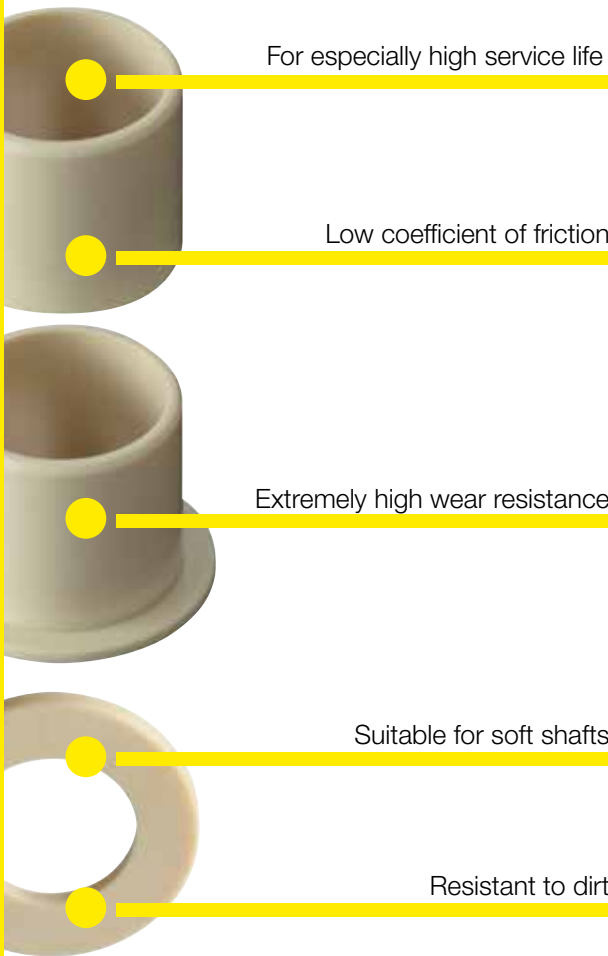


iglide® L280

- For especially long service life
- Low coefficient of friction
- Extremely high wear resistance
- Suitable for soft shafts
- Resistant to dirt

iglide® L280 - The Marathon Runner

Low wear on all shafts



The iglide® L280 material provides excellent wear resistance, even in harsh environments or when used with rough shafts. Of all the iglide® materials, iglide® L280 is the most resistant to these conditions.



- When especially high service life is necessary
- When low coefficients of dynamic friction and high wear resistance are needed
- For use on 303 stainless steel shafts
- For harsh environments and very rough shaft



- For high loads starting at 7,250 psi
 - iglide® Q
- When temperatures are continuously above 266°F
 - iglide® T500
 - iglide® J350
 - iglide® Z
- When a cost-effective bearing is desired
 - iglide® G300



Available from stock

Detailed information about delivery time online. This product may also appear online under the German material name iglidur® W300.



max. +194°F
min. -40°F



Price breaks online

No minimum order.



Ø 1/8 to 2-1/4 inches
more dimensions on request

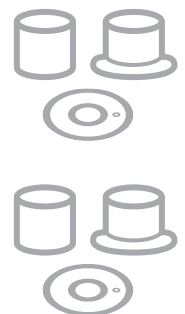


Typical application areas

- Automation
- Printing Industry
- Woodworking
- Mechatronics
- Test Engineering and Quality Assurance



Ø 2 to 120 mm
more dimensions on request



*W300 is the European material equivalent for iglide® L280, X is the European equivalent material for iglide® T500

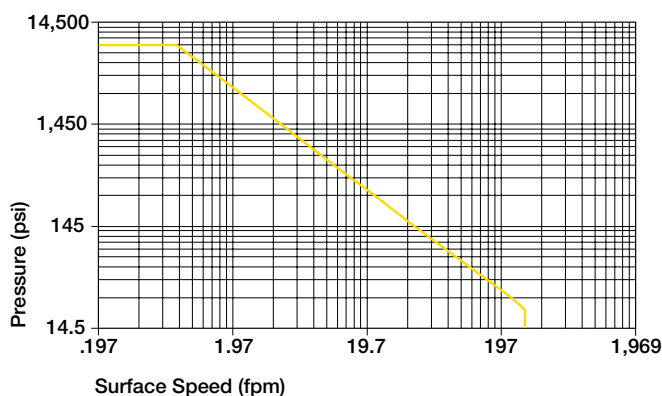
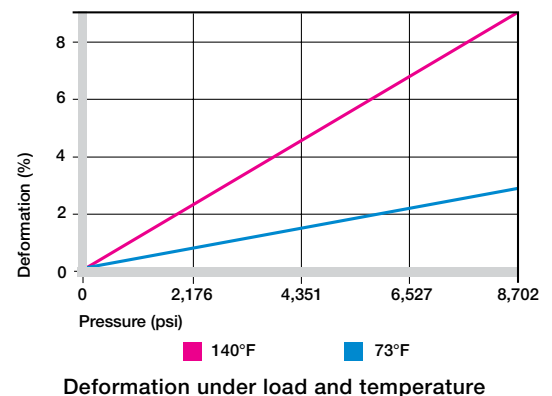
Material Properties Table

General Properties	Unit	iglide® L280	Testing Method
Density	g/cm ³	1.24	
Color		yellow	
Max. moisture absorption at 73°F / 50% r.h.	% weight	1.3	DIN 53495
Max. moisture absorption	% weight	6.5	
Coefficient of friction, dynamic against steel	μ	0.08 - 0.23	
pv value, max. (dry)	psi x fpm	6,600	
Mechanical Properties			
Modulus of elasticity	psi	507,600	DIN 53457
Tensile strength at 68°F	psi	18,130	DIN 53452
Compressive strength	psi	8,847	
Permissible static surface pressure (68°F)	psi	8,702	
Shore D-hardness		77	DIN 53505
Physical and Thermal Properties			
Max. long-term application temperature	°F	194	
Max. application temperature, short-term	°F	356	
Min. application temperature	°F	-40	
Thermal conductivity	W/m x K	0.24	ASTM C 177
Coefficient of thermal expansion	K ⁻¹ x 10 ⁻⁵	9	DIN 53752
Electrical Properties			
Specific volume resistance	Ωcm	> 10 ¹³	DIN IEC 93
Surface resistance	Ω	> 10 ¹²	DIN 53482

Compressive Strength

iglide® L280 exhibits a very high compression resistance in spite of its high elasticity. The graph shows the elastic deformation of iglide® L280 under radial loading. At the maximum permissible load of 8700 psi, the deformation at room temperature is less than 3%. Below the maximum permissible pressure load of 8700 psi, the deformation at room temperature is virtually zero.

► Compressive strength, Page 63



Permissible pv - values for iglide® L280 running dry against a steel shaft, at 68°F

Permissible Surface Speeds

Even at higher surface speeds, the coefficients of friction for iglide® L280 do not increase. Therefore, compared to other materials, higher surface speeds can be obtained, for example, up to 195 fpm rotating and up to 787 fpm linear. The bearing wear remains low when used for long periods at high speeds, due to exceptional wear resistance. Especially high speeds can be obtained with iglide® L280 bearings on hardened shafts with recommended surface finish.

- Surface speed, Page 64
- pv Value, Page 65

	Continuous fpm	Short Term fpm
Rotating	196	492
Oscillating	137	354
Linear	787	1181

Maximum surface speeds

Temperatures

iglide® L280 plain bearings show minimal reaction to changing external conditions. This also applies to temperatures. iglide® L280 bearings maintain their exceptional wear resistance even up to the highest permissible application temperatures and at the same time resist becoming brittle at low temperatures. On the other hand, the mechanical properties at high temperatures limit the applications of iglide® L280. Even at temperatures of 140°F, relaxation of the bearing can occur. In this process, the pressfit forces of the bearing decrease to a large extent due to temperature. During re-cooling and the resulting contraction caused by it, migration of the bearing can occur.

In order to avoid this situation, iglide® L280 plain bearings always need to be axially secured in applications at 140°F and above.

► Application temperatures, Page 67

iglide® L280	Application Temperature
Minimum	- 40°F
Max. long-term	+194°F
Mechanical (total)	+266°F
Max. short-term	+356°F
Additional axial securing	+140°F

Temperature limits for iglide® L280

Friction and Wear

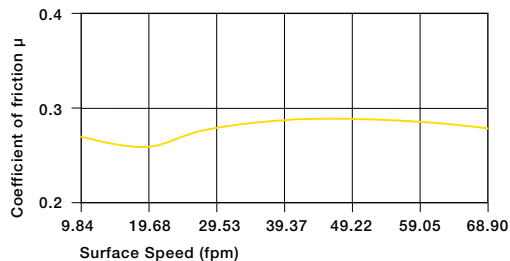
The coefficients of friction for iglide® L280 decrease with increasing load. In the dry run against steel (Cold Rolled Steel), friction is reduced when load ranges from $p = 72.5$ to 507.5 psi by approximately 25%.

In contrast to other iglide® materials, the coefficient of friction of iglide® L280 remains consistently low at higher rotational speeds.

Friction and wear are dependent, to a large degree on the shafting partner. Shafts that are too smooth increase both the coefficient of friction and the wear of the bearing. Smooth shafts have the danger of stick-slip. Squeaking as an effect of stick-slip is mostly the result of shafts that are too smooth. For iglide L280 a ground surface with an average roughness range of 16-20 rms is recommended for the shaft. Tests with iglide® L280 have shown the wear at this roughness is very low, while the friction assumes its lowest value.

► Coefficients of friction and surfaces, Page 68

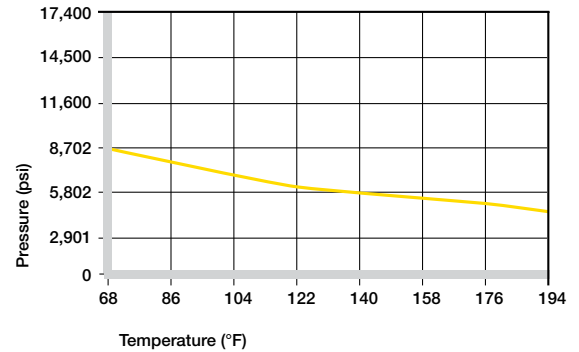
► Wear resistance, Page 69



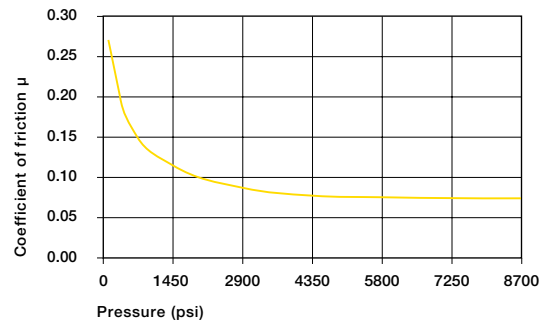
Coefficient of friction of iglide® L280 as a result of the surface speed, $p = 108$ psi, shaft made of Cold Rolled Steel

iglide® L280	Coefficient of Friction
Dry	0.08 - 0.23
Grease	0.09
Oil	0.04
Water	0.04

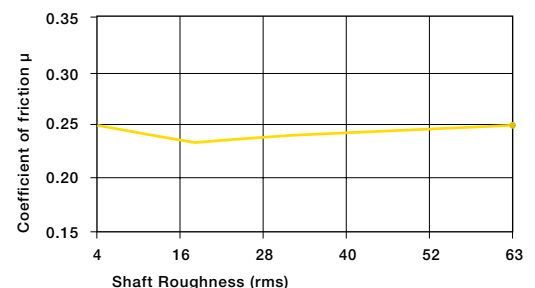
Coefficient of friction for iglide® L280 against steel (Shaft Finish = 40 rms, 50 HRC)



Recommended maximum permissible static surface pressure of iglide® L280 as a result of temperature



Coefficient of friction of iglide® L280 as a result of the load, $v = 1.97$ fpm



Coefficients of friction for iglide® L280 as a result of the shaft surface (shaft Cold Rolled Steel)

Shaft Materials

The graphs show results of testing different shaft materials with plain bearings made of iglide® L280.

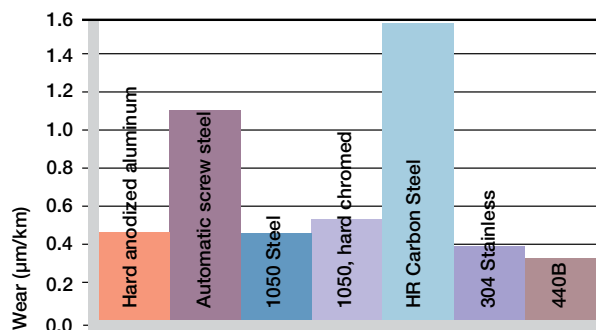
For rotational applications with low loads, the wear varies according to the shaft material. iglide® L280 provides very good to acceptable coefficients of friction for all shafts that were tested. iglide® L280 likes hard shafts. For small radial loads with hard-chromed shafts and/or shafts made of corrosion-resistant steel, iglide® L280 is the best suited iglide® material.

The soft shaft materials HR carbon steel and free-cutting steel are not as well suited for plain bearings made of iglide® L280.

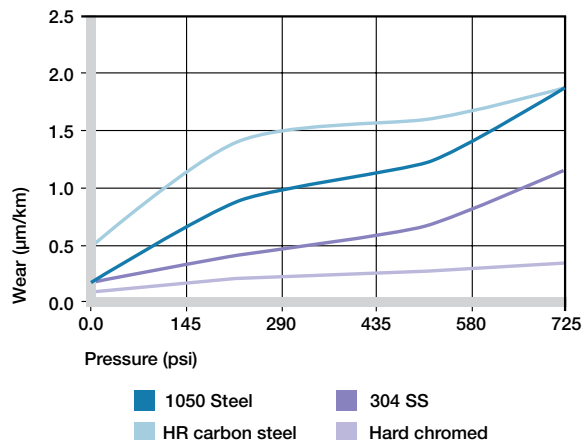
Hardened shafts are preferred for applications for higher loads. The graph clearly shows the difference in materials for increasing loads. A similar picture emerges for oscillating applications. First, for low loads, the wear for the oscillating movement lies below that of a rotation at the same load. For higher loads, the situation changes.

If the shaft material you plan to use is not contained in this listing, please contact us.

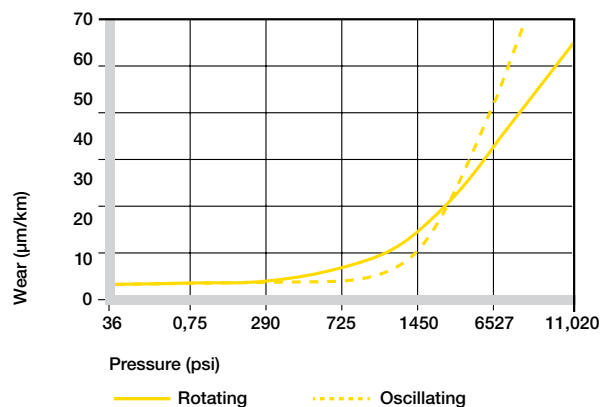
► Shaft Materials, Page 71



Wear of iglide® L280 with different shaft materials (p = 108 psi)



Wear with different shaft materials in rotational operation, as a result of the load

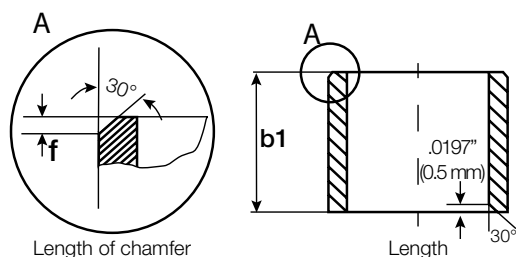


Wear for oscillating and rotating applications with shaft material Cold Rolled Steel, as a result of the load

Installation Tolerances

iglide® L280 plain bearings are oversized before being pressfit. After proper installation into a recommended housing bore, the inner diameter adjusts to meet our specified tolerances. Please adhere to the catalog specifications for housing bore and recommended shaft sizes. This will help to ensure optimal performance of iglide® plain bearings.

- Tolerance table, Page 75
- Testing methods, Page 76



For Inch Size Bearings		
Length Tolerance (b1)		
Length (inches)	Tolerance (h13) (inches)	Length of Chamfer (f) Based on d1
0.1181 to 0.2362	-0.0000 /-0.0071	f = .012 → d ₁ .040" - .236"
0.2362 to 0.3937	-0.0000 /-0.0087	f = .019 → d ₁ > .236" - .472"
0.3937 to 0.7086	-0.0000 /-0.0106	f = .031 → d ₁ > .472" - 1.18"
0.7086 to 1.1811	-0.0000 /-0.0130	f = .047 → d ₁ > 1.18"
1.1811 to 1.9685	-0.0000 /-0.0154	
1.9685 to 3.1496	-0.0000 /-0.0181	

For Metric Size Bearings		
Length Tolerance (b1)		
Length (mm)	Tolerance (h13) (mm)	Length of Chamfer (f) Based on d1
1 to 3	-0 /-140	f = 0.3 → d ₁ 1 - 6 mm
> 3 to 6	-0 /-180	f = 0.5 → d ₁ > 6 - 12 mm
> 6 to 10	-0 /-220	f = 0.8 → d ₁ > 12 - 30 mm
>10 to 18	-0 /-270	f = 1.2 → d ₁ > 30 mm
>18 to 30	-0 /-330	
>30 to 50	-0 /-390	
>50 to 80	-0 /-460	

Chemical Resistance

iglide® L280 plain bearings have a good resistance to chemicals. They are resistant to most lubricants. iglide® L280 is not attacked by most weak organic and inorganic acids.

The moisture absorption of iglide® L280 plain bearings is approximately 1.3% weight in the standard atmosphere. The maximum water absorption is 6.5%. This must be taken into account along with other environmental influences.

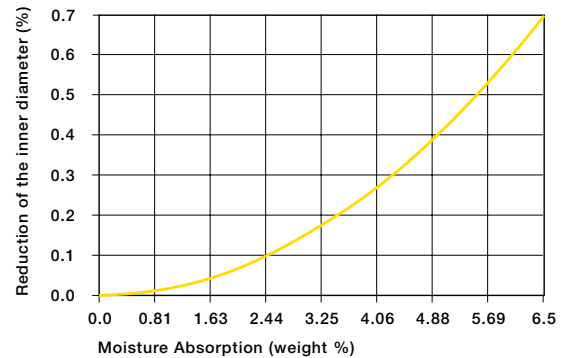
► Chemical table, Page 1364

Medium	Resistance
Alcohol	+ to 0
Hydrocarbon	+
Greases, oils without additives	+
Fuels	+
Weak acids	0 to -
Strong acids	-
Weak alkaline	+
Strong alkaline	0

+ resistant, 0 conditionally resistant, - not resistant

Chemical resistance of iglide® L280

All data given concerns the chemical resistance at room temperature (68°F). For a complete list, see Page 1364



Effect of moisture absorption on iglide® L280 plain bearings

Radiation Resistance

Plain bearings made from iglide® L280 are resistant to radiation up to an intensity of 3×10^2 Gy.

UV-Resistance

iglide® L280 plain bearings are permanently resistant to UV radiation. A slight change in color (dark coloration) due to UV radiation and other weathering effects will not significantly influence the mechanical, electrical or thermal properties.

Vacuum

In a vacuum, iglide® L280 plain bearings will outgas any moisture they may have absorbed. The use of iglide® L280 in a vacuum environment is only possible to a limited extent.

Electrical Properties

iglide® L280 plain bearings are electrically insulating.

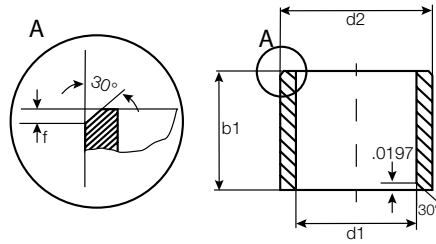
iglide® L280	
Specific volume resistance	$> 10^{13} \Omega\text{cm}$
Surface resistance	$> 10^{12} \Omega$

Electrical properties of iglide® L280

iglide® L280 - Product Range

iglide®
L280

Sleeve bearing - Inch



Order key

Type	Dimensions
L S I	-01 03-02

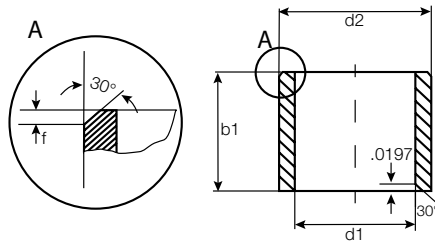
iglide® material	Form S (sleeve)	Inch	Inner-Ø d1 (inch)	Outer-Ø d2 (inch)	Length b1 (inch)
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For tolerance values please refer to page 175

*Based on steel housing bore

Part Number	d1	d2	b1	I.D. After Pressfit*		Housing Bore		Shaft Size	
				Min.	Max.	Min.	Max.	Min.	Max.
LSI-0203-03	1/8	3/16	3/16	.1251	.1269	.1873	.1878	.1236	.1243
LSI-0203-04	1/8	3/16	1/4			.1873	.1878	.1236	.1243
LSI-0203-06	1/8	3/16	3/8			.1873	.1878	.1236	.1243
LSI-0304-04	3/16	1/4	1/4	.1873	.1892	.2497	.2503	.1858	.1865
LSI-0304-06	3/16	1/4	3/8			.2497	.2503	.1858	.1865
LSI-0304-08	3/16	1/4	1/2			.2497	.2503	.1858	.1865
LSI-0405-03	1/4	5/16	3/16	.2498	.2521	.3122	.3128	.2481	.2490
LSI-0405-04	1/4	5/16	1/4			.3122	.3128	.2481	.2490
LSI-0405-05	1/4	5/16	5/16			.3122	.3128	.2481	.2490
LSI-0405-06	1/4	5/16	3/8			.3122	.3128	.2481	.2490
LSI-0405-08	1/4	5/16	1/2			.3122	.3128	.2481	.2490
LSI-0405-11	1/4	5/16	11/16			.3122	.3128	.2481	.2490
LSI-0506-04	5/16	3/8	1/4	.3125	.3148	.3747	.3753	.3106	.3115
LSI-0506-06	5/16	3/8	3/8			.3747	.3753	.3106	.3115
LSI-0506-08	5/16	3/8	1/2			.3747	.3753	.3106	.3115
LSI-0506-12	5/16	3/8	3/4			.3747	.3753	.3106	.3115
LSI-0607-04	3/8	15/32	1/4	.3750	.3773	.4684	.4691	.3731	.3740
LSI-0607-06	3/8	15/32	3/8			.4684	.4691	.3731	.3740
LSI-0607-07	3/8	15/32	7/16			.4684	.4691	.3731	.3740
LSI-0607-08	3/8	15/32	1/2			.4684	.4691	.3731	.3740
LSI-0607-12	3/8	15/32	3/4			.4684	.4691	.3731	.3740
LSI-0608-12	3/8	1/2	3/4	.3760	.3783	.5000	.5007	.3741	.3750
LSI-0708-04	7/16	17/32	1/2	.4379	.4406	.5309	.5316	.4355	.4365
LSI-0708-08	7/16	17/32	1/2			.5309	.5316	.4355	.4365
LSI-0809-03	1/2	19/32	3/16	.5003	.5030	.5934	.5941	.4980	.4990
LSI-0809-04	1/2	19/32	1/4			.5934	.5941	.4980	.4990
LSI-0809-06	1/2	19/32	3/8			.5934	.5941	.4980	.4990
LSI-0809-08	1/2	19/32	1/2			.5934	.5941	.4980	.4990
LSI-0809-10	1/2	19/32	5/8			.5934	.5941	.4980	.4990
LSI-0809-12	1/2	19/32	3/4			.5934	.5941	.4980	.4990
LSI-0809-16	1/2	19/32	1	.5934	.5941	.4980	.4990		
LSI-0810-08	1/2	5/8	1/2	.5013	.5040	.6250	.6260	.4990	.5000
LSI-0810-10	1/2	5/8	5/8			.6250	.6260	.4990	.5000
LSI-0810-12	1/2	5/8	3/4			.6250	.6260	.4990	.5000
LSI-0810-16	1/2	5/8	1			.6250	.6260	.4990	.5000
LSI-0910-08	9/16	21/32	1/2	.5627	.5655	.6563	.6570	.5605	.5615
LSI-0910-12	9/16	21/32	3/4			.6563	.6570	.5605	.5615
LSI-1011-04	5/8	23/32	1/4	.6253	.6280	.7184	.7192	.6230	.6240

Sleeve bearing - Inch



Order key

Type	Dimensions
L S I	-01 03-02

iglide® material	Form S (sleeve)	Inch	Inner-Ø d1 (inch)	Outer-Ø d2 (inch)	Length b1 (inch)
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For tolerance values please refer to page 175

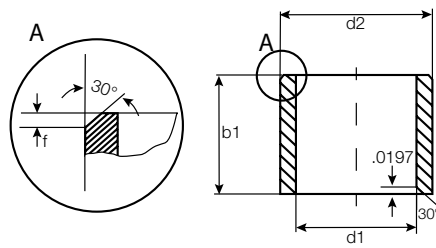
*Based on steel housing bore

Part Number	d1	d2	b1	I.D. After Pressfit*		Housing Bore		Shaft Size	
				Min.	Max.	Min.	Max.	Min.	Max.
LSI-1011-06	5/8	23/32	3/8	.6253	.6280	.7184	.7192	.6230	.6240
LSI-1011-08	5/8	23/32	1/2			.7184	.7192	.6230	.6240
LSI-1011-10	5/8	23/32	5/8			.7184	.7192	.6230	.6240
LSI-1011-12	5/8	23/32	3/4			.7184	.7192	.6230	.6240
LSI-1011-16	5/8	23/32	1			.7184	.7192	.6230	.6240
LSI-1112-12	11/16	25/32	3/4	.6879	.6906	.7809	.7817	.6855	.6865
LSI-1214-08	3/4	7/8	1/2	.7507	.7541	.8747	.8755	.7479	.7491
LSI-1214-12	3/4	7/8	3/4			.8747	.8755	.7479	.7491
LSI-1214-16	3/4	7/8	1			.8747	.8755	.7479	.7491
LSI-1214-24	3/4	7/8	1 1/2			.8747	.8755	.7479	.7491
LSI-1315-15	13/16	15/16	15/16	.8141	.8174	.9375	.9383	.8105	.8125
LSI-1416-04	7/8	1	1/4	.8757	.8791	.9997	1.0005	.8729	.8741
LSI-1416-06	7/8	1	3/8			.9997	1.0005	.8729	.8741
LSI-1416-08	7/8	1	1/2			.9997	1.0005	.8729	.8741
LSI-1416-10	7/8	1	5/8			.9997	1.0005	.8729	.8741
LSI-1416-12	7/8	1	3/4			.9997	1.0005	.8729	.8741
LSI-1416-16	7/8	1	1			.9997	1.0005	.8729	.8741
LSI-1416-24	7/8	1	1 1/2			.9997	1.0005	.8729	.8741
LSI-1618-06	1	1 1/8	3/8	1.0007	1.0041	1.1247	1.1255	.9979	.9991
LSI-1618-08	1	1 1/8	1/2			1.1247	1.1255	.9979	.9991
LSI-1618-12	1	1 1/8	3/4			1.1247	1.1255	.9979	.9991
LSI-1618-16	1	1 1/8	1			1.1247	1.1255	.9979	.9991
LSI-1618-20	1	1 1/8	1 1/4			1.1247	1.1255	.9979	.9991
LSI-1618-22	1	1 1/8	1 3/8			1.1247	1.1255	.9979	.9991
LSI-1618-24	1	1 1/8	1 1/2	1.1247	1.1255	.9979	.9991		
LSI-1820-12	1 1/8	1 9/32	3/4	1.1254	1.1288	1.2808	1.2818	1.1226	1.1238
LSI-2022-14	1 1/4	1 13/32	7/8	1.2508	1.2548	1.4058	1.4068	1.2472	1.2488
LSI-2022-16	1 1/4	1 13/32	1			1.4058	1.4068	1.2472	1.2488
LSI-2022-20	1 1/4	1 13/32	1 1/4			1.4058	1.4068	1.2472	1.2488
LSI-2022-24	1 1/4	1 13/32	1 1/2			1.4058	1.4068	1.2472	1.2488
LSI-2224-16	1 3/8	1 17/32	1	1.3758	1.3798	1.5308	1.5318	1.3722	1.3738
LSI-2224-24	1 3/8	1 17/32	1 1/2			1.5308	1.5318	1.3722	1.3738
LSI-2224-36	1 3/8	1 17/32	2 1/4			1.5308	1.5318	1.3722	1.3738
LSI-2426-12	1 1/2	1 21/32	3/4	1.5008	1.5048	1.6558	1.6568	1.4972	1.4988
LSI-2426-16	1 1/2	1 21/32	1			1.6558	1.6568	1.4972	1.4988
LSI-2426-24	1 1/2	1 21/32	1 1/2			1.6558	1.6568	1.4972	1.4988
LSI-2426-44	1 1/2	1 21/32	2 3/4			1.6558	1.6568	1.4972	1.4988

iglide® L280 - Product Range

iglide®
L280

Sleeve bearing - Inch



Order key

Type	Dimensions
L S I	-01 03-02

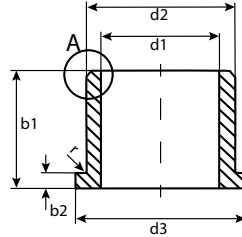
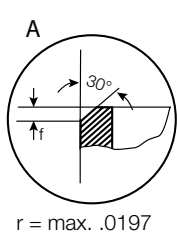
iglide® material	Form S (sleeve)	Inch	Inner-Ø d1 (inch)	Outer-Ø d2 (inch)	Length b1 (inch)
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For tolerance values please refer to page 175

*Based on steel housing bore

Part Number	d1	d2	b1	I.D. After Pressfit*		Housing Bore		Shaft Size	
				Min.	Max.	Min.	Max.	Min.	Max.
LSI-2629-16	1 5/8	1 25/32	1	1.6258	1.6297	1.7808	1.7818	1.6222	1.6238
LSI-2629-20	1 5/8	1 25/32	1 1/4			1.7808	1.7818	1.6222	1.6238
LSI-2831-16	1 3/4	1 15/16	1	1.7507	1.7547	1.9371	1.9381	1.7471	1.7487
LSI-2831-24	1 3/4	1 15/16	1 1/2			1.9371	1.9381	1.7471	1.7487
LSI-2831-32	1 3/4	1 15/16	2			1.9371	1.9381	1.7471	1.7487
LSI-2831-48	1 3/4	1 15/16	3			1.9371	1.9381	1.7471	1.7487
LSI-3235-16	2	2 3/16	1	2.0011	2.0057	2.1871	2.1883	1.9969	1.9981
LSI-3235-24	2	2 3/16	1 1/2			2.1871	2.1883	1.9969	1.9981
LSI-3235-32	2	2 3/16	2			2.1871	2.1883	1.9969	1.9981
LSI-3639-32	2 1/4	2 7/16	2	2.2531	2.2577	2.4365	2.4377	2.2489	2.2507

Flange bearing - Inch



Order key

Type	Dimensions
L F I	-02 03-02

iglide® material	Form F (flange)	Inch	Inner-Ø d1 (inch)	Outer-Ø d2 (inch)	Length b1 (inch)
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For tolerance values please refer to page 175

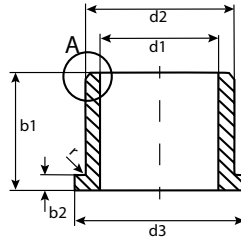
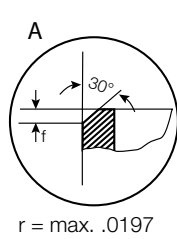
*Based on steel housing bore

Part Number	d1	d2	b1	d3	b2 -.0055	I.D. After Pressfit*		Housing Bore		Shaft Size	
						Min.	Max.	Min.	Max.	Min.	Max.
LFI-0203-03	1/8	3/16	3/16	.312	.032	.1251	.1269	.1873	.1878	.1236	.1243
LFI-0203-04	1/8	3/16	1/4	.312	.032			.1873	.1878	.1236	.1243
LFI-0203-06	1/8	3/16	3/8	.312	.032			.1873	.1878	.1236	.1243
LFI-0304-02	3/16	1/4	1/8	.375	.032	.1873	.1892	.2497	.2503	.1858	.1865
LFI-0304-04	3/16	1/4	1/4	.375	.032			.2497	.2503	.1858	.1865
LFI-0304-06	3/16	1/4	3/8	.375	.032			.2497	.2503	.1858	.1865
LFI-0304-08	3/16	1/4	1/2	.375	.032			.2497	.2503	.1858	.1865
LFI-0405-04	1/4	5/16	1/4	.500	.032	.2498	.2521	.3122	.3128	.2481	.2490
LFI-0405-05	1/4	5/16	5/16	.500	.032			.3122	.3128	.2481	.2490
LFI-0405-06	1/4	5/16	3/8	.500	.032			.3122	.3128	.2481	.2490
LFI-0405-08	1/4	5/16	1/2	.500	.032			.3122	.3128	.2481	.2490
LFI-0405-12	1/4	5/16	3/4	.500	.032			.3122	.3128	.2481	.2490
LFI-0506-04	5/16	3/8	1/4	.562	.032	.3125	.3148	.3747	.3753	.3106	.3115
LFI-0506-06	5/16	3/8	3/8	.562	.032			.3747	.3753	.3106	.3115
LFI-0506-08	5/16	3/8	1/2	.562	.032			.3747	.3753	.3106	.3115
LFI-0506-12	5/16	3/8	3/4	.562	.032			.3747	.3753	.3106	.3115
LFI-0607-04	3/8	15/32	1/4	.687	.046	.3750	.3773	.4684	.4691	.3731	.3740
LFI-0607-06	3/8	15/32	3/8	.687	.046			.4684	.4691	.3731	.3740
LFI-0607-08	3/8	15/32	1/2	.687	.046			.4684	.4691	.3731	.3740
LFI-0607-12	3/8	15/32	3/4	.687	.046			.4684	.4691	.3731	.3740
LFI-0607-14	3/8	15/32	7/8	.687	.046			.4684	.4691	.3731	.3740
LFI-0607-24	3/8	15/32	1 1/2	.687	.046			.4684	.4691	.3731	.3740
LFI-0708-04	7/16	17/32	1/4	.750	.046	.4379	.4406	.5309	.5316	.4355	.4365
LFI-0708-08	7/16	17/32	1/2	.750	.046			.5309	.5316	.4355	.4365
LFI-0809-04	1/2	19/32	1/4	.875	.046	.5003	.5030	.5934	.5941	.4980	.4990
LFI-0809-06	1/2	19/32	3/8	.875	.046			.5934	.5941	.4980	.4990
LFI-0809-08	1/2	19/32	1/2	.875	.046			.5934	.5941	.4980	.4990
LFI-0809-12	1/2	19/32	3/4	.875	.046			.5934	.5941	.4980	.4990
LFI-0809-16	1/2	19/32	1	.875	.046			.5934	.5941	.4980	.4990
LFI-1011-045	5/8	23/32	9/32	.937	.046	.6253	.6280	.7184	.7192	.6230	.6240
LFI-1011-08	5/8	23/32	1/2	.937	.046			.7184	.7192	.6230	.6240
LFI-1011-12	5/8	23/32	3/4	.937	.046			.7184	.7192	.6230	.6240
LFI-1011-16	5/8	23/32	1	.937	.046			.7184	.7192	.6230	.6240
LFI-1011-24	5/8	23/32	1 1/2	.937	.046			.7184	.7192	.6230	.6240
LFI-1214-08	3/4	7/8	1/2	1.125	.062	.7507	.7541	.8747	.8755	.7479	.7491
LFI-1214-10	3/4	7/8	5/8	1.125	.062			.8747	.8755	.7479	.7491
LFI-1214-12	3/4	7/8	3/4	1.125	.062			.8747	.8755	.7479	.7491

iglide® L280 - Product Range

iglide®
L280

Flange bearing - Inch



Order key

Type **L F I** -02 03 -02
Dimensions

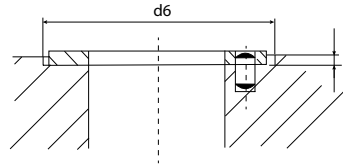
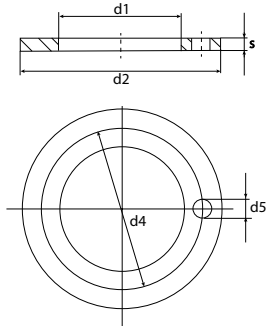
iglide® material
Form F (flange)
Inch
Inner-Ø d1 (inch)
Outer-Ø d2 (inch)
Length b1 (inch)

For tolerance values please refer to page 175

*Based on steel housing bore

Part Number	d1	d2	b1	d3	b2 -.0055	I.D. After Pressfit*		Housing Bore		Shaft Size	
						Min.	Max.	Min.	Max.	Min.	Max.
LFI-1214-16	3/4	7/8	1	1.125	.062	.7507	.7541	.8747	.8755	.7479	.7491
LFI-1214-24	3/4	7/8	1 1/2	1.125	.062			.8747	.8755	.7479	.7491
LFI-1416-04	7/8	1	1/4	1.250	.062	.8757	.8791	.9997	1.0005	.8729	.8741
LFI-1416-075	7/8	1	15/32	1.250	.062			.9997	1.0005	.8729	.8741
LFI-1416-08	7/8	1	1/2	1.250	.062			.9997	1.0005	.8729	.8741
LFI-1416-115	7/8	1	23/32	1.250	.062			.9997	1.0005	.8729	.8741
LFI-1416-12	7/8	1	3/4	1.250	.062			.9997	1.0005	.8729	.8741
LFI-1416-16	7/8	1	1	1.250	.062			.9997	1.0005	.8729	.8741
LFI-1416-20	7/8	1	1 1/4	1.250	.062			.9997	1.0005	.8729	.8741
LFI-1416-24	7/8	1	1 1/2	1.250	.062			.9997	1.0005	.8729	.8741
LFI-141618-08	7/8	1	1/2	1.125	.062			.9997	1.0005	.8729	.8741
LFI-141618-10	7/8	1	5/8	1.125	.062			.9997	1.0005	.8729	.8741
LFI-141620-11	7/8	1	11/16	1.250	.062			.9997	1.0005	.8729	.8741
LFI-1618-08	1	1 1/8	1/2	1.375	.062			1.0007	1.0041	1.1247	1.1255
LFI-1618-12	1	1 1/8	3/4	1.375	.062	1.1247	1.1255			.9979	.9991
LFI-1618-16	1	1 1/8	1	1.375	.062	1.1247	1.1255			.9979	.9991
LFI-1618-20	1	1 1/8	1 1/4	1.375	.062	1.1247	1.1255			.9979	.9991
LFI-1618-24	1	1 1/8	1 1/2	1.375	.062	1.1247	1.1255			.9979	.9991
LFI-1620-08	1	1 1/4	1/2	1.500	.188	1.0007	1.0041	1.2520	1.2559	.9979	.9991
LFI-1820-08	1 1/8	1 9/32	1/2	1.562	.078	1.1254	1.1288	1.2808	1.2818	1.1226	1.1238
LFI-1820-12	1 1/8	1 9/32	3/4	1.562	.078			1.2808	1.2818	1.1226	1.1238
LFI-1820-24	1 1/8	1 9/32	1 1/2	1.562	.078			1.2808	1.2818	1.1226	1.1238
LFI-2022-12	1 1/4	1 13/32	3/4	1.687	.078	1.2508	1.2548	1.4058	1.4068	1.2472	1.2488
LFI-2022-14	1 1/4	1 13/32	7/8	1.687	.078			1.4058	1.4068	1.2472	1.2488
LFI-2022-16	1 1/4	1 13/32	1	1.687	.078			1.4058	1.4068	1.2472	1.2488
LFI-2022-20	1 1/4	1 13/32	1 1/4	1.687	.078			1.4058	1.4068	1.2472	1.2488
LFI-2022-24	1 1/4	1 13/32	1 1/2	1.687	.078			1.4058	1.4068	1.2472	1.2488
LFI-2224-16	1 3/8	1 17/32	1	1.875	.078	1.3758	1.3798	1.5308	1.5318	1.3722	1.3738
LFI-2426-12	1 1/2	1 21/32	3/4	2.000	.078	1.5008	1.5048	1.6558	1.6568	1.4972	1.4988
LFI-2426-16	1 1/2	1 21/32	1	2.000	.078			1.6558	1.6568	1.4972	1.4988
LFI-2426-24	1 1/2	1 21/32	1 1/2	2.000	.078			1.6558	1.6568	1.4972	1.4988
LFI-2831-16	1 3/4	1 15/16	1	2.375	.093	1.7507	1.7547	1.9371	1.9381	1.7471	1.7487
LFI-2831-24	1 3/4	1 15/16	1 1/2	2.375	.093			1.9371	1.9381	1.7471	1.7487
LFI-2831-32	1 3/4	1 15/16	2	2.375	.093			1.9371	1.9381	1.7471	1.7487
LFI-3235-16	2	2 3/16	1	2.625	.093	2.0012	2.0059	2.1871	2.1883	1.9969	1.9981
LFI-3235-24	2	2 3/16	1 1/2	2.625	.093			2.1871	2.1883	1.9969	1.9981
LFI-3235-32	2	2 3/16	2	2.625	.093			2.1871	2.1883	1.9969	1.9981

Thrust washer - Inch



Order key

Type

Dimensions

L T I -05 09-006

iglide® material	Form T (washer)	Inch	Inner-Ø d1 (inch)	Outer-Ø d2 (inch)	Thickness s (inch)
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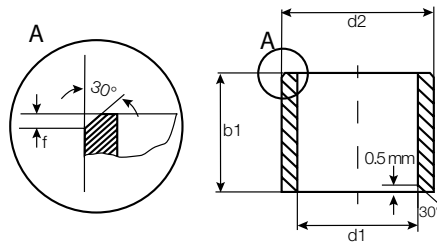
Part Number	d1 +.010	d2 -.010	s -.0020	d4 +-.005	d5 +.015 +.005	h +.008	d6 +.005
LTI-0610-01	.375	.625	.040	*	*	*	.625
LTI-0814-01	.500	.875	.0585	.692	.067	.040	.875
LTI-1018-01	.625	1.125	.0585	.880	.099	.040	1.125
LTI-1220-01	.750	1.250	.0585	1.005	.099	.040	1.250
LTI-1424-01	.875	1.500	.0585	1.192	.130	.040	1.500
LTI-1628-01	1.000	1.750	.0585	1.380	.130	.040	1.750
LTI-2034-01	1.250	2.125	.0585	1.692	.161	.040	2.125
LTI-2440-01	1.500	2.500	.0585	2.005	.192	.040	2.500
LTI-2844-01	1.750	2.750	.0585	2.255	.192	.040	2.750
LTI-3248-01	2.000	3.000	.0895	2.505	.192	.070	3.000

* Designed without bore

iglide® L280 - Product Range

iglide®
L280

Sleeve bearing - Metric



Order key

Type	Dimensions
L S M -01 03 -02	

iglide® material	Form S (sleeve)	Metric	Inner-Ø d1 (mm)	Outer-Ø d2 (mm)	Length b1 (mm)
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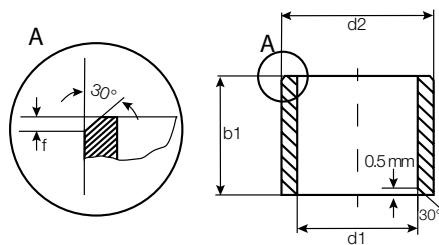
For tolerance values please refer to page 175

Dimensions according to ISO 3547-1 and special dimensions

*Based on steel housing bore

Part Number	d1	d2	b1 h13	I.D. After Pressfit*		Housing Bore		Shaft Size	
				Min.	Max.	Min.	Max.	Min.	Max.
LSM-0203-03	2.0	3.5	3.0	2.014	2.054	3.500	3.510	1.975	2.000
LSM-0204-03	2.5	4.0	3.0	2.514	2.554	4.000	4.012	2.475	2.500
LSM-0304-03	3.0	4.5	3.0	3.014	3.054	4.500	4.512	2.975	3.000
LSM-0304-05	3.0	4.5	5.0			4.500	4.512	2.975	3.000
LSM-0304-06	3.0	4.5	6.0			4.500	4.512	2.975	3.000
LSM-0405-04	4.0	5.5	4.0	4.020	4.068	5.500	5.512	3.970	4.000
LSM-0405-06	4.0	5.5	6.0			5.500	5.512	3.970	4.000
LSM-0405-08	4.0	5.5	8.0			5.500	5.512	3.970	4.000
LSM-0405-10	4.0	5.5	10.0			5.500	5.512	3.970	4.000
LSM-0507-05	5.0	7.0	5.0	5.020	5.068	7.000	7.015	4.970	5.000
LSM-0507-08	5.0	7.0	8.0			7.000	7.015	4.970	5.000
LSM-0507-10	5.0	7.0	10.0			7.000	7.015	4.970	5.000
LSM-0607-14	6.0	7.0	14.0	6.010	6.040	7.000	7.015	5.970	6.000
LSM-0608-06	6.0	8.0	6.0	6.020	6.068	8.000	8.015	5.970	6.000
LSM-0608-08	6.0	8.0	8.0			8.000	8.015	5.970	6.000
LSM-0608-09	6.0	8.0	9.5			8.000	8.015	5.970	6.000
LSM-0608-10	6.0	8.0	10.0			8.000	8.015	5.970	6.000
LSM-0608-11	6.0	8.0	11.8			8.000	8.015	5.970	6.000
LSM-0608-13	6.0	8.0	13.8			8.000	8.015	5.970	6.000
LSM-0709-09	7.0	9.0	9.0	7.025	7.083	9.000	9.015	6.964	7.000
LSM-0709-12	7.0	9.0	12.0			9.000	9.015	6.964	7.000
LSM-0810-06	8.0	10.0	6.0	8.025	8.083	10.000	10.015	7.964	8.000
LSM-0810-08	8.0	10.0	8.0			10.000	10.015	7.964	8.000
LSM-0810-10	8.0	10.0	10.0			10.000	10.015	7.964	8.000
LSM-0810-12	8.0	10.0	12.0			10.000	10.015	7.964	8.000
LSM-0810-13	8.0	10.0	13.8			10.000	10.015	7.964	8.000
LSM-0810-15	8.0	10.0	15.0			10.000	10.015	7.964	8.000
LSM-0810-16	8.0	10.0	16.0			10.000	10.015	7.964	8.000
LSM-0810-20	8.0	10.0	20.0			10.000	10.015	7.964	8.000
LSM-0810-21	8.0	10.0	21.0	10.000	10.015	7.964	8.000		
LSM-0911-06	9.0	11.0	6.0	9.025	9.083	11.000	11.018	8.964	9.000
LSM-1012-04	10.0	12.0	4.0	10.025	10.083	12.000	12.018	9.964	10.000
LSM-1012-06	10.0	12.0	6.0			12.000	12.018	9.964	10.000
LSM-1012-08	10.0	12.0	8.0			12.000	12.018	9.964	10.000
LSM-1012-09	10.0	12.0	9.0			12.000	12.018	9.964	10.000
LSM-1012-10	10.0	12.0	10.0			12.000	12.018	9.964	10.000
LSM-1012-12	10.0	12.0	12.0			12.000	12.018	9.964	10.000

Sleeve bearing - Metric



Order key

Type	Dimensions
L S M -01 03-02	

iglide® material	Form S (sleeve)	Metric	Inner-Ø d1 (mm)	Outer-Ø d2 (mm)	Length b1 (mm)
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For tolerance values please refer to page 175

Dimensions according to ISO 3547-1 and special dimensions

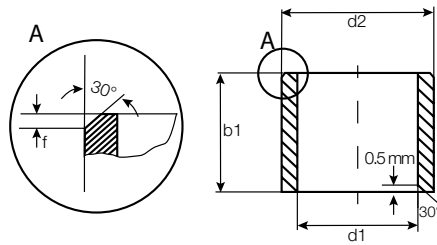
*Based on steel housing bore

Part Number	d1	d2	b1 h13	I.D. After Pressfit*		Housing Bore		Shaft Size	
				Min.	Max.	Min.	Max.	Min.	Max.
LSM-1012-15	10.0	12.0	15.0	10.025	10.083	12.000	12.018	9.964	10.000
LSM-1012-17	10.0	12.0	17.0			12.000	12.018	9.964	10.000
LSM-1012-20	10.0	12.0	20.0			12.000	12.018	9.964	10.000
LSM-1012-25.5	10.0	12.0	25.5			12.000	12.018	9.964	10.000
LSM-1113-08	11.0	13.0	8.0	11.032	11.102	13.000	13.018	10.957	11.000
LSM-1214-04	12.0	14.0	4.0	12.032	12.102	14.000	14.018	11.957	12.000
LSM-1214-05	12.0	14.0	5.0			14.000	14.018	11.957	12.000
LSM-1214-06	12.0	14.0	6.0			14.000	14.018	11.957	12.000
LSM-1214-08	12.0	14.0	8.0			14.000	14.018	11.957	12.000
LSM-1214-10	12.0	14.0	10.0			14.000	14.018	11.957	12.000
LSM-1214-12	12.0	14.0	12.0			14.000	14.018	11.957	12.000
LSM-1214-15	12.0	14.0	15.0			14.000	14.018	11.957	12.000
LSM-1214-20	12.0	14.0	20.0			14.000	14.018	11.957	12.000
LSM-1214-25	12.0	14.0	25.0			14.000	14.018	11.957	12.000
LSM-1315-07	13.0	15.0	7.0			13.032	13.102	15.000	15.018
LSM-1315-10	13.0	15.0	10.0	15.000	15.018			12.957	13.000
LSM-1315-15	13.0	15.0	15.0	15.000	15.018			12.957	13.000
LSM-1315-20	13.0	15.0	20.0	15.000	15.018			12.957	13.000
LSM-1416-07	14.0	16.0	7.5	14.032	14.102	16.000	16.018	13.957	14.000
LSM-1416-10	14.0	16.0	10.0			16.000	16.018	13.957	14.000
LSM-1416-15	14.0	16.0	15.0			16.000	16.018	13.957	14.000
LSM-1416-20	14.0	16.0	20.0			16.000	16.018	13.957	14.000
LSM-1416-25	14.0	16.0	25.0			16.000	16.018	13.957	14.000
LSM-1416-33	14.0	16.0	33.0			16.000	16.018	13.957	14.000
LSM-1517-10	15.0	17.0	10.0	15.032	15.102	17.000	17.018	14.957	15.000
LSM-1517-15	15.0	17.0	15.0			17.000	17.018	14.957	15.000
LSM-1517-20	15.0	17.0	20.0			17.000	17.018	14.957	15.000
LSM-1517-25	15.0	17.0	25.0			17.000	17.018	14.957	15.000
LSM-1618-07	16.0	18.0	7.0	16.032	16.102	18.000	18.018	15.957	16.000
LSM-1618-08	16.0	18.0	8.0			18.000	18.018	15.957	16.000
LSM-1618-11	16.0	18.0	11.5			18.000	18.018	15.957	16.000
LSM-1618-12	16.0	18.0	12.0			18.000	18.018	15.957	16.000
LSM-1618-15	16.0	18.0	15.0			18.000	18.018	15.957	16.000
LSM-1618-20	16.0	18.0	20.0			18.000	18.018	15.957	16.000
LSM-1618-25	16.0	18.0	25.0			18.000	18.018	15.957	16.000
LSM-1618-30	16.0	18.0	30.0			18.000	18.018	15.957	16.000
LSM-1618-35	16.0	18.0	35.0			18.000	18.018	15.957	16.000

iglide® L280 - Product Range

iglide®
L280

Sleeve bearing - Metric



Order key

Type **L S M -01 03 -02**

iglide® material
Form S (sleeve)
Metric
Inner-Ø d1 (mm)
Outer-Ø d2 (mm)
Length b1 (mm)

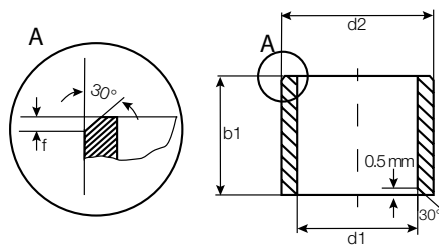
For tolerance values please refer to page 175

Dimensions according to ISO 3547-1 and special dimensions

*Based on steel housing bore

Part Number	d1	d2	b1 h13	I.D. After Pressfit*		Housing Bore		Shaft Size	
				Min.	Max.	Min.	Max.	Min.	Max.
LSM-1618-42	16.0	18.0	42.0	16.032	16.102	18.000	18.018	15.957	16.000
LSM-1618-45	16.0	18.0	45.0			18.000	18.018	15.957	16.000
LSM-1820-12	18.0	20.0	12.0	18.032	18.102	20.000	20.021	17.957	18.000
LSM-1820-15	18.0	20.0	15.0			20.000	20.021	17.957	18.000
LSM-1820-20	18.0	20.0	20.0			20.000	20.021	17.957	18.000
LSM-1820-25	18.0	20.0	25.0			20.000	20.021	17.957	18.000
LSM-1820-33	18.0	20.0	33.0			20.000	20.021	17.957	18.000
LSM-1820-35	18.0	20.0	35.0			20.000	20.021	17.957	18.000
LSM-1922-28	19.0	22.0	28.0	19.040	19.124	22.000	22.021	18.94	19.000
LSM-2022-11	20.0	22.0	11.5	20.040	20.124	22.000	22.021	19.948	20.000
LSM-2022-12	20.0	22.0	12.0			22.000	22.021	19.948	20.000
LSM-2022-15	20.0	22.0	15.0			22.000	22.021	19.948	20.000
LSM-2022-20	20.0	22.0	20.0			22.000	22.021	19.948	20.000
LSM-2022-30	20.0	22.0	30.0			22.000	22.021	19.948	20.000
LSM-2023-10	20.0	23.0	10.0			20.040	20.124	23.000	23.021
LSM-2023-15	20.0	23.0	15.0	23.000	23.021			19.948	20.000
LSM-2023-20	20.0	23.0	20.0	23.000	23.021			19.948	20.000
LSM-2023-23	20.0	23.0	23.0	23.000	23.021			19.948	20.000
LSM-2023-25	20.0	23.0	25.0	23.000	23.021			19.948	20.000
LSM-2023-30	20.0	23.0	30.0	23.000	23.021			19.948	20.000
LSM-2224-15	22.0	24.0	15.0	22.040	22.124	24.000	24.021	21.948	22.000
LSM-2224-20	22.0	24.0	20.0			24.000	24.021	21.948	22.000
LSM-2224-30	22.0	24.0	30.0			24.000	24.021	21.948	22.000
LSM-2224-35	22.0	24.0	35.0			24.000	24.021	21.948	22.000
LSM-2225-15	22.0	25.0	15.0	22.040	22.124	25.000	25.021	21.948	22.000
LSM-2225-20	22.0	25.0	20.0			25.000	25.021	21.948	22.000
LSM-2225-25	22.0	25.0	25.0			25.000	25.021	21.948	22.000
LSM-2225-30	22.0	25.0	30.0			25.000	25.021	21.948	22.000
LSM-2427-15	24.0	27.0	15.0	24.040	24.124	27.000	27.021	23.948	24.000
LSM-2427-20	24.0	27.0	20.0			27.000	27.021	23.948	24.000
LSM-2427-25	24.0	27.0	25.0			27.000	27.021	23.948	24.000
LSM-2427-30	24.0	27.0	30.0			27.000	27.021	23.948	24.000
LSM-2528-12	25.0	28.0	12.0	25.040	25.124	28.000	28.021	24.948	25.000
LSM-2528-14	25.0	28.0	14.0			28.000	28.021	24.948	25.000
LSM-2528-15	25.0	28.0	15.0			28.000	28.021	24.948	25.000
LSM-2528-20	25.0	28.0	20.0			28.000	28.021	24.948	25.000
LSM-2528-25	25.0	28.0	25.0			28.000	28.021	24.948	25.000

Sleeve bearing - Metric



Order key

Type	Dimensions
L S M -01 03-02	

iglide® material	Form S (sleeve)	Metric	Inner-Ø d1 (mm)	Outer-Ø d2 (mm)	Length b1 (mm)
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For tolerance values please refer to page 175

Dimensions according to ISO 3547-1 and special dimensions

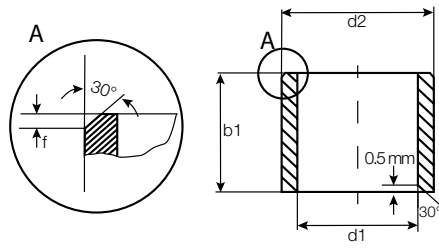
*Based on steel housing bore

Part Number	d1	d2	b1 h13	I.D. After Pressfit*		Housing Bore		Shaft Size	
				Min.	Max.	Min.	Max.	Min.	Max.
LSM-2528-30	25.0	28.0	30.0	25.040	25.124	28.000	28.021	24.948	25.000
LSM-2630-16	26.0	30.0	16.0	26.040	26.124	30.000	30.021	25.948	26.000
LSM-2630-25	26.0	30.0	25.0			30.000	30.021	25.948	26.000
LSM-2830-10	28.0	30.0	10.0	28.040	28.124	30.000	30.021	27.948	28.000
LSM-2831-10	28.0	31.0	10.0	28.040	28.124	31.000	31.025	27.948	28.000
LSM-2832-20	28.0	32.0	20.0	28.040	28.124	32.000	32.025	27.948	28.000
LSM-2832-25	28.0	32.0	25.0			32.000	32.025	27.948	28.000
LSM-2832-30	28.0	32.0	30.0			32.000	32.025	27.948	28.000
LSM-3034-16	30.0	34.0	16.0	30.040	30.124	34.000	34.025	29.948	30.000
LSM-3034-20	30.0	34.0	20.0			34.000	34.025	29.948	30.000
LSM-3034-24	30.0	34.0	24.0			34.000	34.025	29.948	30.000
LSM-3034-25	30.0	34.0	25.0			34.000	34.025	29.948	30.000
LSM-3034-30	30.0	34.0	30.0			34.000	34.025	29.948	30.000
LSM-3034-36	30.0	34.0	36.0			34.000	34.025	29.948	30.000
LSM-3034-38	30.0	34.0	38.0			34.000	34.025	29.948	30.000
LSM-3034-40	30.0	34.0	40.0			34.000	34.025	29.948	30.000
LSM-3034-47	30.0	34.0	47.0			34.000	34.025	29.948	30.000
LSM-3236-20	32.0	36.0	20.0	32.050	32.150	36.000	36.025	31.938	32.000
LSM-3236-25	32.0	36.0	25.0			36.000	36.025	31.938	32.000
LSM-3236-30	32.0	36.0	30.0			36.000	36.025	31.938	32.000
LSM-3236-40	32.0	36.0	40.0			36.000	36.025	31.938	32.000
LSM-3539-20	35.0	39.0	20.0	35.050	35.150	39.000	39.025	34.938	35.000
LSM-3539-30	35.0	39.0	30.0			39.000	39.025	34.938	35.000
LSM-3539-40	35.0	39.0	40.0			39.000	39.025	34.938	35.000
LSM-3539-50	35.0	39.0	50.0			39.000	39.025	34.938	35.000
LSM-4044-20	40.0	44.0	20.0	40.050	40.150	44.000	44.025	39.938	40.000
LSM-4044-30	40.0	44.0	30.0			44.000	44.025	39.938	40.000
LSM-4044-40	40.0	44.0	40.0			44.000	44.025	39.938	40.000
LSM-4044-50	40.0	44.0	50.0			44.000	44.025	39.938	40.000
LSM-4550-20	45.0	50.0	20.0	45.050	45.150	50.000	50.025	44.938	45.000
LSM-4550-30	45.0	50.0	30.0			50.000	50.025	44.938	45.000
LSM-4550-40	45.0	50.0	40.0			50.000	50.025	44.938	45.000
LSM-4550-50	45.0	50.0	50.0			50.000	50.025	44.938	45.000
LSM-5055-20	50.0	55.0	20.0	50.050	50.150	55.000	55.030	49.938	50.000
LSM-5055-30	50.0	55.0	30.0			55.000	55.030	49.938	50.000
LSM-5055-40	50.0	55.0	40.0			55.000	55.030	49.938	50.000
LSM-5055-50	50.0	55.0	50.0			55.000	55.030	49.938	50.000

iglide® L280 - Product Range

iglide®
L280

Sleeve bearing - Metric



Order key

Type	Dimensions
L	S M -01 03-02

iglide® material	Form S (sleeve)	Metric	Inner-Ø d1 (mm)	Outer-Ø d2 (mm)	Length b1 (mm)
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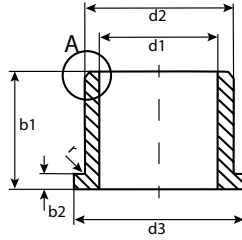
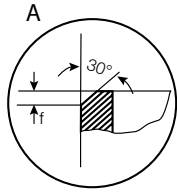
For tolerance values
please refer to page 175

Dimensions according to ISO 3547-1 and special dimensions

*Based on steel housing bore

Part Number	d1	d2	b1 h13	I.D. After Pressfit*		Housing Bore		Shaft Size	
				Min.	Max.	Min.	Max.	Min.	Max.
LSM-5560-40	55.0	60.0	40.0	55.060	55.180	60.000	60.030	54.926	55.000
LSM-5560-60	55.0	60.0	60.0			60.000	60.030	54.926	55.000
LSM-6065-30	60.0	65.0	30.0	60.060	60.180	65.000	65.030	59.926	60.000
LSM-6065-60	60.0	65.0	60.0			65.000	65.030	59.926	60.000
LSM-6570-60	65.0	70.0	60.0	65.060	65.180	70.000	70.030	64.926	65.000
LSM-7075-60	70.0	75.0	60.0	70.060	70.180	75.000	75.030	69.926	70.000
LSM-7580-100	75.0	80.0	100.0	75.060	75.180	80.000	80.030	74.926	75.000
LSM-8085-100	80.0	85.0	100.0	80.060	80.180	85.000	85.035	79.926	80.000
LSM-9095-100	90.0	95.0	100.0	90.072	90.212	95.000	95.035	89.913	90.000
LSM-100105-100	100.0	105.0	100.0	100.072	100.212	105.000	105.035	99.913	100.000

Flange bearing - Metric



Order key

Type **L F M-01 03-02**

iglide® material
Form F (flange)
Metric
Inner-Ø d1 (mm)
Outer-Ø d2 (mm)
Length b1 (mm)

r = max. 0.5

For tolerance values please refer to page 175

Dimensions according to ISO 3547-1 and special dimensions

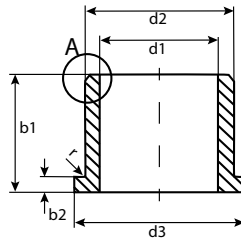
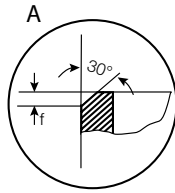
*Based on steel housing bore

Part Number	d1 ¹⁾	d2	d3	b1	b2	I.D. After Pressfit*		Housing Bore		Shaft Size	
						Min.	Max.	Min.	Max.	Min.	Max.
LFM-0304-03	3.0	4.5	7.5	3.0	0.75	3.014	3.054	4.500	4.512	2.975	3.000
LFM-0304-05	3.0	4.5	7.5	5.0	0.75			4.500	4.512	2.975	3.000
LFM-0405-03	4.0	5.5	9.5	3.0	0.75	4.020	4.068	5.500	5.512	3.970	4.000
LFM-0405-04	4.0	5.5	9.5	4.0	0.75			5.500	5.512	3.970	4.000
LFM-0405-06	4.0	5.5	9.5	6.0	0.75			5.500	5.512	3.970	4.000
LFM-0506-08	5.0	6.0	10.0	8.0	0.5	5.010	5.040	6.000	6.012	4.970	5.000
LFM-0507-04	5.0	7.0	11.0	4.0	1.0	5.020	5.068	7.000	7.015	4.970	5.000
LFM-0507-05	5.0	7.0	11.0	5.0	1.0			7.000	7.015	4.970	5.000
LFM-0608-04	6.0	8.0	12.0	4.0	1.0	6.020	6.068	8.000	8.015	5.970	6.000
LFM-0608-06	6.0	8.0	12.0	6.0	1.0			8.000	8.015	5.970	6.000
LFM-0608-08	6.0	8.0	12.0	8.0	1.0			8.000	8.015	5.970	6.000
LFM-0608-10	6.0	8.0	12.0	10.0	1.0			8.000	8.015	5.970	6.000
LFM-0608-15	6.0	8.0	12.0	15.0	1.0			8.000	8.015	5.970	6.000
LFM-0709-12	7.0	9.0	15.0	12.0	1.0	7.025	7.083	9.000	9.015	6.964	7.000
LFM-0810-02	8.0	10.0	15.0	2.7	1.0	8.025	8.083	10.000	10.015	7.964	8.000
LFM-0810-05	8.0	10.0	15.0	5.5	1.0			10.000	10.015	7.964	8.000
LFM-0810-07	8.0	10.0	15.0	7.5	1.0			10.000	10.015	7.964	8.000
LFM-0810-09	8.0	10.0	15.0	9.5	1.0			10.000	10.015	7.964	8.000
LFM-0810-10	8.0	10.0	15.0	10.0	1.0			10.000	10.015	7.964	8.000
LFM-0810-23	8.0	10.0	15.0	23.0	1.0			10.000	10.015	7.964	8.000
LFM-0810-30	8.0	10.0	15.0	30.0	1.0			10.000	10.015	7.964	8.000
LFM-081015-05	8.0	10.0	15.0	5.0	1.0			10.000	10.015	7.964	8.000
LFM-1012-04	10.0	12.0	18.0	4.0	1.0	10.025	10.083	12.000	12.018	9.964	10.000
LFM-1012-05	10.0	12.0	18.0	5.0	1.0			12.000	12.018	9.964	10.000
LFM-1012-06	10.0	12.0	18.0	6.0	1.0			12.000	12.018	9.964	10.000
LFM-1012-07	10.0	12.0	18.0	7.0	1.0			12.000	12.018	9.964	10.000
LFM-1012-09	10.0	12.0	18.0	9.0	1.0			12.000	12.018	9.964	10.000
LFM-1012-10	10.0	12.0	18.0	10.0	1.0			12.000	12.018	9.964	10.000
LFM-1012-12	10.0	12.0	18.0	12.0	1.0			12.000	12.018	9.964	10.000
LFM-1012-15	10.0	12.0	18.0	15.0	1.0			12.000	12.018	9.964	10.000
LFM-1012-17	10.0	12.0	18.0	17.0	1.0			12.000	12.018	9.964	10.000
LFM-1214-04	12.0	14.0	20.0	4.0	1.0			12.032	12.102	14.000	14.018
LFM-1214-06	12.0	14.0	20.0	6.0	1.0	14.000	14.018			11.957	12.000
LFM-1214-07	12.0	14.0	20.0	7.0	1.0	14.000	14.018			11.957	12.000
LFM-1214-09	12.0	14.0	20.0	9.0	1.0	14.000	14.018			11.957	12.000
LFM-1214-10	12.0	14.0	20.0	10.0	1.0	14.000	14.018			11.957	12.000
LFM-1214-11	12.0	14.0	20.0	11.0	1.0	14.000	14.018			11.957	12.000

iglide® L280 - Product Range

iglide®
L280

Flange bearing - Metric



Order key

Type **L** Form **F** Material **M** -01 03-02

iglide® material
Form F (flange)
Metric
Inner-Ø d1 (mm)
Outer-Ø d2 (mm)
Length b1 (mm)

$r = \max. 0.5$

For tolerance values please refer to page 175

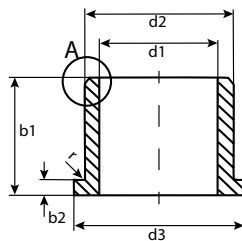
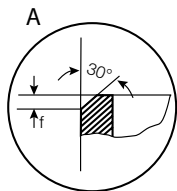
Dimensions according to ISO 3547-1 and special dimensions

*Based on steel housing bore

Part Number	d1 ¹⁾	d2	d3	b1	b2	I.D. After Pressfit*		Housing Bore		Shaft Size	
						Min.	Max.	Min.	Max.	Min.	Max.
LFM-1214-12	12.0	14.0	20.0	12.0	1.0	12.032	12.102	14.000	14.018	11.957	12.000
LFM-1214-15	12.0	14.0	20.0	15.0	1.0			14.000	14.018	11.957	12.000
LFM-1214-17	12.0	14.0	20.0	17.0	1.0			14.000	14.018	11.957	12.000
LFM-1214-20	12.0	14.0	20.0	20.0	1.0			14.000	14.018	11.957	12.000
LFM-1315-06	13.0	15.0	22.0	6.0	1.0	13.032	13.102	15.000	15.018	12.957	13.000
LFM-1416-04	14.0	16.0	22.0	4.0	1.0	14.032	14.102	16.000	16.018	13.957	14.000
LFM-1416-05	14.0	16.0	22.0	5.0	1.0			16.000	16.018	13.957	14.000
LFM-1416-08	14.0	16.0	22.0	8.0	1.0			16.000	16.018	13.957	14.000
LFM-1416-12	14.0	16.0	22.0	12.0	1.0			16.000	16.018	13.957	14.000
LFM-1416-17	14.0	16.0	22.0	17.0	1.0			16.000	16.018	13.957	14.000
LFM-1416-29	14.0	16.0	22.0	29.0	1.0			16.000	16.018	13.957	14.000
LFM-1517-09	15.0	17.0	23.0	9.0	1.0	15.022	15.102	17.000	17.018	14.957	15.000
LFM-1517-12	15.0	17.0	23.0	12.0	1.0			17.000	17.018	14.957	15.000
LFM-1517-17	15.0	17.0	23.0	17.0	1.0			17.000	17.018	14.957	15.000
LFM-1517-20	15.0	17.0	23.0	20.0	1.0			17.000	17.018	14.957	15.000
LFM-1618-09	16.0	18.0	24.0	9.0	1.0	16.032	16.102	18.000	18.018	15.957	16.000
LFM-1618-12	16.0	18.0	24.0	12.0	1.0			18.000	18.018	15.957	16.000
LFM-1618-17	16.0	18.0	24.0	17.0	1.0			18.000	18.018	15.957	16.000
LFM-1719-12	17.0	19.0	25.0	12.0	1.0	17.032	17.102	19.000	19.021	16.957	17.000
LFM-1719-18	17.0	19.0	25.0	18.0	1.0			19.000	19.021	16.957	17.000
LFM-1719-25	17.0	19.0	25.0	25.0	1.0			19.000	19.021	16.957	17.000
LFM-1820-06	18.0	20.0	26.0	6.0	1.0	18.032	18.102	20.000	20.021	17.957	18.000
LFM-1820-12	18.0	20.0	26.0	12.0	1.0			20.000	20.021	17.957	18.000
LFM-1820-17	18.0	20.0	26.0	17.0	1.0			20.000	20.021	17.957	18.000
LFM-1820-22	18.0	20.0	26.0	22.0	1.0			20.000	20.021	17.957	18.000
LFM-2023-11	20.0	23.0	30.0	11.0	1.5	20.040	20.124	23.000	23.021	19.948	20.000
LFM-2023-14	20.0	23.0	30.0	14.5	1.5			23.000	23.021	19.948	20.000
LFM-2023-16	20.0	23.0	30.0	16.0	1.5			23.000	23.021	19.948	20.000
LFM-2023-21	20.0	23.0	30.0	21.0	1.5			23.000	23.021	19.948	20.000
LFM-2427-10	24.0	27.0	32.0	10.5	1.5	24.040	24.124	27.000	27.021	23.948	24.000
LFM-2528-11	25.0	28.0	35.0	11.0	1.5	25.040	25.124	28.000	28.021	24.948	25.000
LFM-2528-16	25.0	28.0	35.0	16.5	1.5			28.000	28.021	24.948	25.000
LFM-2528-21	25.0	28.0	35.0	21.5	1.5			28.000	28.021	24.948	25.000
LFM-2528-30	25.0	28.0	35.0	30.0	1.5			28.000	28.021	24.948	25.000
LFM-252831-13	25.0	28.0	31.0	13.0	1.5			28.000	28.021	24.948	25.000
LFM-2830-36	28.0	30.0	35.0	36.0	1.0			28.040	28.124	30.000	30.025
LFM-3034-10	30.0	34.0	42.0	10.0	2.0	30.040	30.124	34.000	34.025	29.948	30.000

iglide® L280 - Product Range

Flange bearing - Metric



Order key

Type

Dimensions

L F M-01 03-02

iglide® material

Form F (flange)

Metric

Inner-Ø d1 (mm)

Outer-Ø d2 (mm)

Length b1 (mm)

$r = \max. 0.5$

For tolerance values please refer to page 175

Dimensions according to ISO 3547-1 and special dimensions

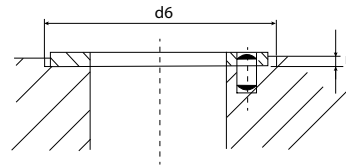
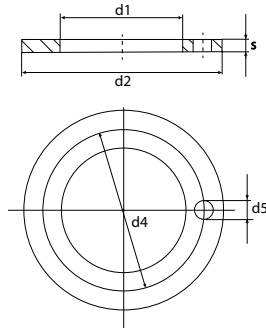
*Based on steel housing bore

Part Number	d1 ¹⁾	d2	d3	b1	b2	I.D. After Pressfit*		Housing Bore		Shaft Size	
						Min.	Max.	Min.	Max.	Min.	Max.
LFM-3034-16	30.0	34.0	42.0	16.0	2.0	30.040	30.124	34.000	34.025	29.948	30.000
LFM-3034-26	30.0	34.0	42.0	26.0	2.0			34.000	34.025	29.948	30.000
LFM-3034-37	30.0	34.0	42.0	37.0	2.0			34.000	34.025	29.948	30.000
LFM-3236-16	32.0	36.0	40.0	16.0	2.0	32.050	32.150	36.000	36.025	31.938	32.000
LFM-3236-26	32.0	36.0	40.0	26.0	2.0			36.000	36.025	31.938	32.000
LFM-3539-09	35.0	39.0	47.0	9.0	2.0	35.050	35.150	39.000	39.025	34.938	35.000
LFM-3539-16	35.0	39.0	47.0	16.0	2.0			39.000	39.025	34.938	35.000
LFM-3539-26	35.0	39.0	47.0	26.0	2.0			39.000	39.025	34.938	35.000
LFM-353950-35	35.0	39.0	50.0	35.0	2.0			39.000	39.025	34.938	35.000
LFM-3842-22	38.0	42.0	50.0	22.0	2.0	38.050	38.150	42.000	42.025	37.938	38.000
LFM-4044-30	40.0	44.0	52.0	30.0	2.0	40.050	40.150	44.000	44.025	39.938	40.000
LFM-4044-40	40.0	44.0	52.0	40.0	2.0			44.000	44.025	39.938	40.000
LFM-4550-50	45.0	50.0	58.0	50.0	2.0	45.050	45.150	50.000	50.025	44.938	45.000
LFM-5055-40	50.0	55.0	63.0	40.0	2.0	50.050	50.150	55.000	55.030	49.938	50.000
LFM-5055-50	50.0	55.0	63.0	50.0	2.0			55.000	55.030	49.938	50.000
LFM-5560-60	55.0	60.0	68.0	60.0	2.0	55.060	55.180	60.000	60.030	54.926	55.000
LFM-5762-40	57.0	62.0	67.0	40.0	2.0	57.060	57.180	62.000	62.030	57.926	57.000
LFM-6065-60	60.0	65.0	73.0	60.0	2.0	60.060	60.180	65.000	65.030	59.926	60.000
LFM-6570-60	65.0	70.0	78.0	60.0	2.0	65.060	65.180	70.000	70.030	64.926	65.000
LFM-7075-100	70.0	75.0	83.0	100.0	2.0	70.060	70.180	75.000	75.030	69.926	70.000
LFM-7580-100	75.0	80.0	88.0	100.0	2.0	75.060	75.180	80.000	80.030	74.926	75.000
LFM-8085-100	80.0	85.0	93.0	100.0	2.5	80.060	80.180	85.000	85.035	79.926	80.000
LFM-9095-100	90.0	95.0	103.0	100.0	2.5	90.072	90.212	95.000	95.035	90.913	90.000
LFM-100105-100	100.0	105.0	113.0	100.0	2.5	100.072	100.212	105.000	105.035	99.913	100.000
LFM-120125-100	120.0	125.0	133.0	100.0	2.5	120.072	120.212	125.000	125.035	119.900	120.000

iglide® L280 - Product Range

iglide®
L280

Thrust washer - Metric



Order key

Type **L T M** -05 09-006

iglide® material
Form T (washer)
Metric
Inner-Ø d1 (mm)
Outer-Ø d2 (mm)
Thickness s (inch)

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
LTM-0509-006	5.0	9.5	0.6	*	*	.3	9.5
LTM-0620-015	6.0	20.0	1.5	13.0	1.5	1.0	20.0
LTM-0818-015	8.0	18.0	1.5	13.0	1.5	1.0	18.0
LTM-1018-010	10.0	18.0	1.0	*	*	.7	18.0
LTM-1018-015	10.0	18.0	1.5	*	*	.7	18.0
LTM-1224-015	12.0	24.0	1.5	18.0	1.5	1.0	24.0
LTM-1426-015	14.0	26.0	1.5	20.0	2.0	1.0	26.0
LTM-1524-015	15.0	24.0	1.5	19.5	1.5	1.0	24.0
LTM-1630-015	16.0	30.0	1.5	23.0	2.0	1.0	30.0
LTM-1832-015	18.0	32.0	1.5	25.0	2.0	1.0	32.0
LTM-2036-015	20.0	36.0	1.5	28.0	3.0	1.0	36.0
LTM-2238-015	22.0	38.0	1.5	30.0	3.0	1.0	38.0
LTM-2442-015	24.0	42.0	1.5	33.0	3.0	1.0	42.0
LTM-2644-015	26.0	44.0	1.5	35.0	3.0	1.0	44.0
LTM-2848-015	28.0	48.0	1.5	38.0	4.0	1.0	48.0
LTM-3254-015	32.0	54.0	1.5	43.0	4.0	1.0	54.0
LTM-3862-015	38.0	62.0	1.5	50.0	4.0	1.0	62.0
LTM-4266-015	42.0	66.0	1.5	54.0	4.0	1.0	66.0
LTM-4874-020	48.0	74.0	2.0	61.0	4.0	1.5	74.0
LTM-5278-020	52.0	78.0	2.0	65.0	4.0	1.5	78.0
LTM-6290-020	62.0	90.0	2.0	76.0	4.0	1.5	90.0
LTM-82110-020	82.0	110.0	2.0	*	*	1.5	110.0
LTM-102130-020	102.0	130.0	2.0	*	*	1.5	130.0
LTM-120150-020	120.0	150.0	2.0	*	*	1.5	150.0

* Design without bore

