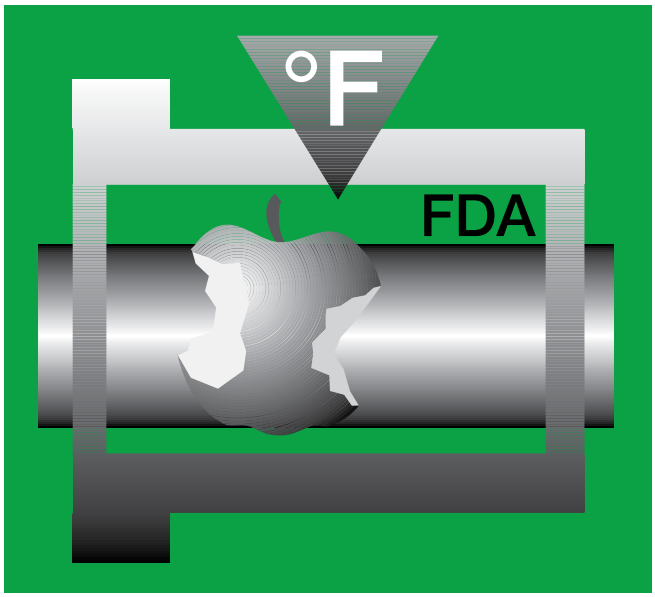


The endurance runner at higher temperatures in the food sector

Compliant with Regulation (EU) No. 10/2011 and FDA guidelines

iglide® A350

When to use it?

- When FDA compliance is required
- When wear resistance and FDA-compliance are necessary at high loads
- When the bearing is used in acidic environments

When not to use?

- When continuous operating temperatures are higher than +356°F
  iglide® A500
- When the maximum wear resistance is necessary
  iglide® J
- When a cost-effective FDA-compliant plain bearing is required
  iglide® A160, iglide® A181
- For high speeds
  iglide® J

Ø
4 – 50mm
1/8 - 2 in.

Material available as:

Bar stock, round bar
Page 761

Bar stock, plate
Page 783

tribo-tape liner
Page 791

Piston rings
Page 685

Two hole flange bearings
Page 709

Molded special parts
Page 721

igubal® spherical balls
Page 965

The endurance runner at higher temperatures in the food sector

Compliant with Regulation (EU) No. 10/2011 and FDA guidelines

A universal plain bearing for use in the area of food and pharmaceutical industries. Composition of FDA-compliant materials allows the use in areas where other plain bearings cannot be used due to the contact with food. With good tribological and mechanical properties, iglide® A350 plain bearings are suitable for all-round use in and around food machinery.

- Compliant with Regulation (EU) No. 10/2011
- FDA-compliant
- Temperature-resistant up to +356°F
- Suitable for medium and high loads
- Suitable for pivoting applications
- Self-lubricating
- Standard range from stock
- Suitable for rotating applications
- Maintenance-free

Typical application areas

- Food industry
- Beverage technology
- Medical technology

Available from stock
Detailed information about delivery time online.

Online ordering
Including delivery times, prices, online tools

Descriptive technical specifications			
Wear resistance at +73°F	–	■■■□□	+
Wear resistance at +194°F	–	■■■□□	+
Wear resistance at +302°F	–	■■■□□	+
Low coefficient of friction	–	■■■■□	+
Low moisture absorption	–	■■■■□	+
Wear resistance under water	–	■■■■□	+
High media resistance	–	■■■■□	+
Resistant to edge pressures	–	■■■□□	+
Suitable for shock and impact loads	–	■■■□□	+
Resistant to dirt	–	■■■□□	+

Online product finder
www.igus.com/iglidefinder

Online service life calculation
www.igus.com/iglide-expert

Technical data

General properties			Testing method
Density	g/cm³	1.42	
Color		blue	
Max. moisture absorption at +73°F and 50% r.h.	% weight	0.6	DIN 53495
Max. moisture absorption	% weight	1.9	
Coefficient of friction, dynamic, against steel	µ	0.10 – 0.20	
pv value, max. (dry)	psi · fpm	11,400	
Mechanical properties			
Flexural modulus	psi	290,075	DIN 53457
Flexural strength at +68°F	psi	15,954	DIN 53452
Compressive strength	psi	11,313	
Max. recommended surface pressure (+68°F)	psi	8,702	
Shore D hardness		76	DIN 53505
Physical and thermal properties			
Max. application temperature long-term	°F	+356	
Max. application temperature short-term	°F	+410	
Min. application temperature	°F	-148	
Thermal conductivity	W/m · K	0.24	ASTM C 177
Coefficient of thermal expansion (at +73°F)	$K^{-1} \cdot 10^{-5}$	8	DIN 53752
Electrical properties			
Specific contact resistance	Ωcm	> 10^{11}	DIN IEC 93
Surface resistance	Ω	> 10^{11}	DIN 53482

-148°F up to +356°F

8,702psi

V-0

FOOD

RoHS

ISO 3547-1

Table 01: Material properties

iglide® A350 plain bearings are made for practically all loads in food and packaging machinery. Even high loads, often seen in lifting equipment, are taken easily and the bearings work flawlessly without any external lubrication.

Moisture absorption

The moisture absorption of iglide® A350 is low and can be ignored when using standard plain bearings. Even when saturated with water, iglide® A350 does not absorb more than 1.9% weight of water (by weight).

Vacuum

In vacuum, any present moisture is released as vapor. Use in vacuum is only possible with dehumidified iglide® A350 bearings.

Radiation resistance

Plain bearings made from iglide® A350 are resistant up to a radiation intensity of 2 · 10^2Gy.

Resistance to weathering

iglide® A350 plain bearings are continuously resistant to weathering. The material properties are only slightly affected. Possible discolorations are only superficial.

Mechanical properties

With increasing temperatures, the compressive strength of iglide® A350 plain bearings decreases. Diagram 02 shows this inverse relationship. The maximum recommended surface pressure is a mechanical material parameter. No conclusions regarding the tribological properties can be drawn from this.

Diagram 03 shows the elastic deformation of iglide® A350 at radial loads. At the maximum recommended surface pressure of 8,702psi at room temperature the deformation is less than 5%.

▶ Surface pressure, **Page 50**

Permissible surface speeds

iglide® A350 plain bearings are suitable for low and medium speeds in rotating and oscillating applications. iglide® A350 is also excellent for linear movements. In the case of high surface speeds it should be tested whether iglide® J or iglide® L250 can be used, as the wear rate of these bearings is lower.

▶ Surface speed, **Page 44**

Temperature

Its temperature resistance makes iglide® A350 the ideal material for plain bearing used in the food area. For temperatures over +284°F an additional securing is required. The wear rate of iglide® A350 plain bearings rises only little with higher temperatures. Tests have shown good wear results at +212°F on all tested shaft materials.

▶ Application temperatures, **Page 48**
▶ Additional securing, **Page 48**

Friction and wear

The coefficient of friction of iglide® A350 on a steel shaft is in the mid range (diagrams 04 and 05).

▶ Coefficient of friction and surfaces, **Page 47**
▶ Wear resistance, **Page 50**

Chemicals	Resistance
Alcohols	+
Diluted acids	+
Diluted alkalines	+
Fuels	+
Greases, oils without additives	+
Hydrocarbons	+ up to 0
Strong acids	+
Strong alkalines	+

All information given at room temperature [+68°F]
Table 02: Chemical resistance

▶ Chemical table, **Page 1762**

Installation tolerances

iglide® A350 plain bearings are standard bearings for shafts with h tolerance (recommended minimum h9). The bearings are designed for press-fit 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 F10 tolerances. For particular dimensions the tolerance differs depending on the wall thickness (please see product range table).

▶ Testing methods, **Page 57**
▶ Tolerance table, **Page 58**

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	

Shaft materials

The corrosion-resistant steels are rather considered a natural choice for use in the food industry. The trials were therefore carried out especially on such materials. It has been shown that there is no clear favorite and 304 stainless steel, high grade steel and hard-chromed steel are all suitable. Hard-anodized aluminum is also well suited for both linear and rotational movements.

▶ Shaft materials, **Page 52**

		Rotating	Oscillating	linear
long-term	**fpm**	197	157	492
short-term	**fpm**	236	177	591

Table 03: Maximum surface speeds

	Dry	Greases	Oil	Water
Coefficient of friction μ	0.10 – 0.20	0.09	0.04	0.04

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

	Housing		Plain bearing		Shaft	
Ø d1 [mm]	H7 [mm]		F10 [mm]		h9 [mm]	
0 – 3	+0.000	+0.010	+0.006	+0.046	–0.025	+0.000
> 3 – 6	+0.000	+0.012	+0.010	+0.058	–0.030	+0.000
> 6 – 10	+0.000	+0.015	+0.013	+0.071	–0.036	+0.000
> 10 – 18	+0.000	+0.018	+0.016	+0.086	–0.043	+0.000
> 18 – 30	+0.000	+0.021	+0.020	+0.104	–0.052	+0.000
> 30 – 50	+0.000	+0.025	+0.025	+0.125	–0.062	+0.000
> 50 – 80	+0.000	+0.030	+0.030	+0.150	–0.074	+0.000
> 80 – 120	+0.000	+0.035	+0.036	+0.176	–0.087	+0.000
> 120 – 180	+0.000	+0.040	+0.043	+0.203	–0.100	+0.000

Table 05: Important metric tolerances for plain bearings according to ISO 3547-1 after press-fit

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	

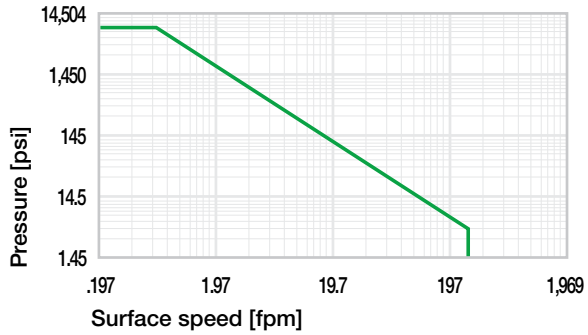


Diagram 01: Permissible pv values for iglide® A350 plain bearings with a wall thickness of 1mm, dry operation against a steel shaft, at +68°F, mounted in a steel housing

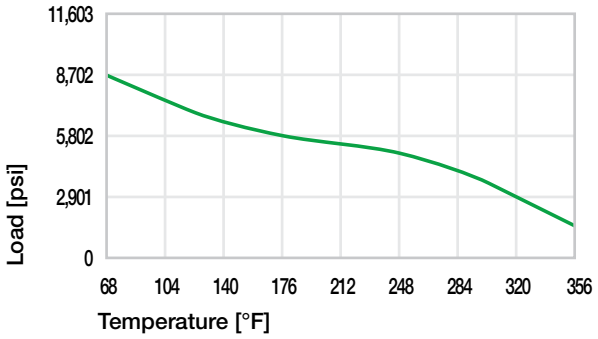


Diagram 02: Maximum recommended surface pressure as a function of temperature (8,702psi at +68°F)

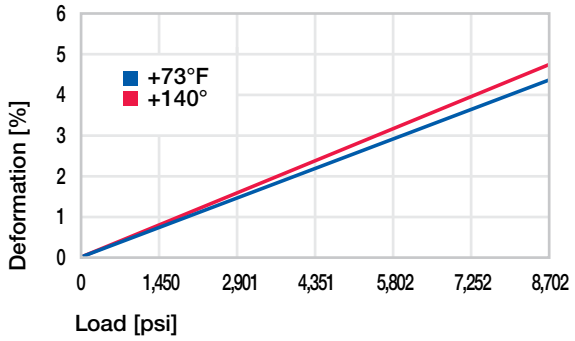


Diagram 03: Deformation under pressure and temperature

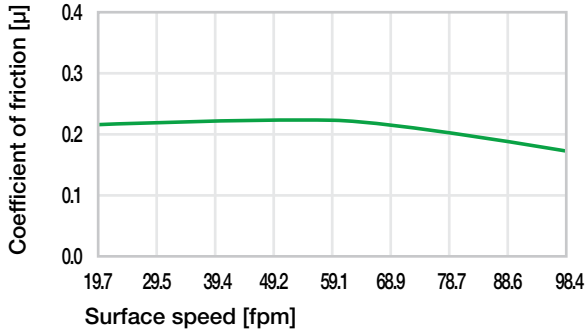


Diagram 04: Coefficient of friction as a function of the surface speed, p = 145psi

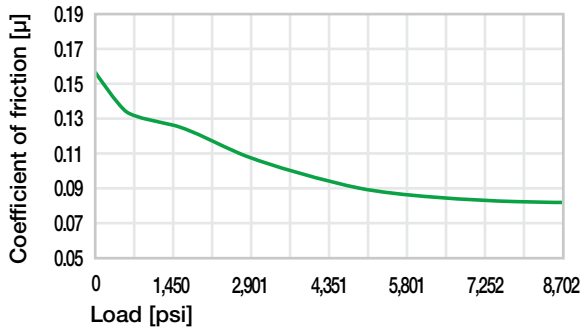


Diagram 05: Coefficient of friction as a function of the load, v = 1.97fpm

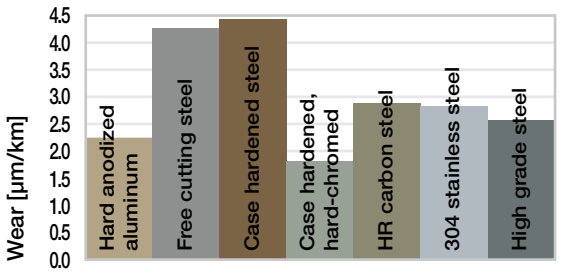


Diagram 06: Wear, rotating with different shaft materials, pressure, p = 145psi, v = 59fpm

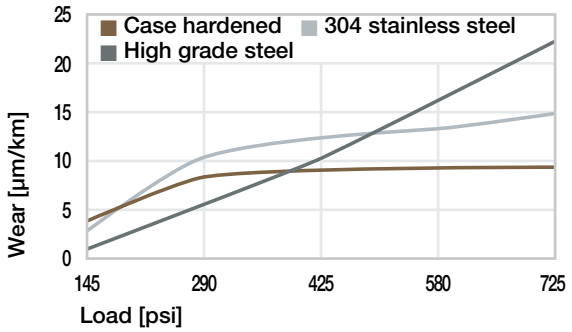
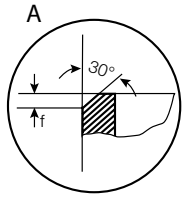


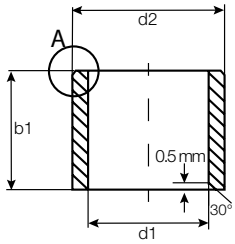
Diagram 07: Wear, rotating with different shaft materials, as a function of the load

Bearing technology | Plain bearing | iglide® A350

Sleeve bearing (form S), inch



[2] Thickness < 0.6mm: Chamfer = 20°



For tolerance values, **page 472**

Order key

Type			Dimensions		
A350	S	I	-06	08	-06
iglide® material	Form S (sleeve)	Inch	Inner Ø d1 (inch)	Outer Ø d2 (inch)	Length b1 (inch)

*Based on steel housing bore

Chamfer in relation to d1

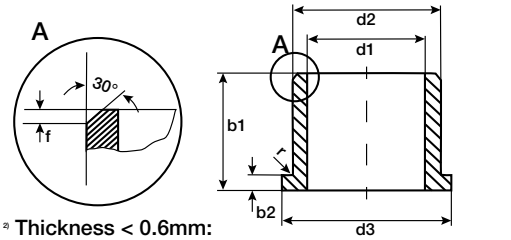
d1 [inch]	Ø .040-.236	Ø >.236–.472	Ø >.472–1.18	Ø > 1.18
f [inch]	.012	.019	.031	.047

Part Number	d1	d2	b1	I.D. After Pressfit*		Housing Bore		Shaft Size	
				Min.	Max.	Min.	Max.	Min.	Max.
A350SI-0203-03	1/8	3/16	3/16	.1247	.1266	.1873	.1878	.1236	.1243
A350SI-0304-04	3/16	1/4	1/4	.1869	.1888	.2497	.2503	.1858	.1865
A350SI-0304-06	3/16	1/4	3/8			.2497	.2503	.1858	.1865
A350SI-0405-06	1/4	5/16	3/8	.2495	.2518	.3122	.3128	.2481	.2490
A350SI-0405-08	1/4	5/16	1/2			.3122	.3128	.2481	.2490
A350SI-0506-04	5/16	3/8	1/4	.3120	.3143	.3747	.3753	.3106	.3115
A350SI-0506-06	5/16	3/8	3/8			.3747	.3753	.3106	.3115
A350SI-0506-08	5/16	3/8	1/2			.3747	.3753	.3106	.3115
A350SI-0607-04	3/8	15/32	1/4	.3745	.3768	.4684	.4691	.3731	.3740
A350SI-0607-06	3/8	15/32	3/8			.4684	.4691	.3731	.3740
A350SI-0607-08	3/8	15/32	1/2			.4684	.4691	.3731	.3740
A350SI-0607-10	3/8	15/32	5/8			.4684	.4691	.3731	.3740
A350SI-0607-12	3/8	15/32	3/4			.4684	.4691	.3731	.3740
A350SI-0708-08	7/16	17/32	1/2	.4371	.4399	.5309	.5316	.4355	.4365
A350SI-0708-12	7/16	17/32	3/7			.5309	.5316	.4355	.4365
A350SI-0809-04	1/2	19/32	1/4	.4996	.5024	.5934	.5941	.4980	.4990
A350SI-0809-06	1/2	19/32	3/8			.5934	.5941	.4980	.4990
A350SI-0809-08	1/2	19/32	1/2			.5934	.5941	.4980	.4990
A350SI-0809-10	1/2	19/32	5/8			.5934	.5941	.4980	.4990
A350SI-0809-12	1/2	19/32	3/4			.5934	.5941	.4980	.4990
A350SI-0809-16	1/2	19/32	1			.5934	.5941	.4980	.4990
A350SI-0910-08	9/16	21/32	1/2	.5620	.5649	.6559	.6566	.5605	.5615
A350SI-0910-10	9/16	21/32	5/8			.6559	.6566	.5605	.5615
A350SI-0910-12	9/16	21/32	3/4			.6559	.6566	.5605	.5615
A350SI-1011-08	5/8	23/32	1/2	.6246	.6274	.7184	.7192	.6230	.6240
A350SI-1011-12	5/8	23/32	3/4			.7184	.7192	.6230	.6240
A350SI-1011-16	5/8	23/32	1			.7184	.7192	.6230	.6240
A350SI-1214-08	3/4	7/8	1/2	.7499	.7532	.8747	.8755	.7479	.7491
A350SI-1214-12	3/4	7/8	3/4			.8747	.8755	.7479	.7491
A350SI-1214-16	3/4	7/8	1			.8747	.8755	.7479	.7491
A350SI-1416-08	7/8	1	1/2	.8749	.8782	.9997	1.0005	.8729	.8741
A350SI-1416-12	7/8	1	3/4			.9997	1.0005	.8729	.8741
A350SI-1416-16	7/8	1	1			.9997	1.0005	.8729	.8741
A350SI-1618-08	1	1 1/8	1/2	.9999	1.0032	1.1247	1.1255	.9979	.9991

Part Number	d1	d2	b1	I.D. After Pressfit*		Housing Bore		Shaft Size	
				Min.	Max.	Min.	Max.	Min.	Max.
A350SI-1618-12	1	1 1/8	3/4	.9999	1.0032	1.1247	1.1255	.9979	.9991
A350SI-1618-16	1	1 1/8	1			1.1247	1.1255	.9979	.9991
A350SI-1820-12	1 1/8	1 9/32	3/4	1.1246	1.1279	1.2808	1.2818	1.1226	1.1238
A350SI-1820-16	1 1/8	1 9/32	1			1.2808	1.2818	1.1226	1.1238
A350SI-1820-20	1 1/8	1 9/32	1 1/4			1.2808	1.2818	1.1226	1.1238
A350SI-2022-12	1 1/4	1 13/32	3/4	1.2498	1.2537	1.4058	1.4068	1.2472	1.2488
A350SI-2022-16	1 1/4	1 13/32	1			1.4058	1.4068	1.2472	1.2488
A350SI-2022-20	1 1/4	1 13/32	1 1/4			1.4058	1.4068	1.2472	1.2488
A350SI-2426-16	1 1/2	1 21/32	1	1.4998	1.5037	1.6558	1.6568	1.4972	1.4988
A350SI-2426-24	1 1/2	1 21/32	1 1/2			1.6558	1.6568	1.4972	1.4988
A350SI-2629-16	1 5/8	1 25/32	1	1.6248	1.6287	1.7808	1.7818	1.6222	1.6238
A350SI-2629-24	1 5/8	1 25/32	1 1/2			1.7808	1.7818	1.6222	1.6238
A350SI-2831-16	1 3/4	1 15/16	1	1.7497	1.7536	1.9371	1.9381	1.7471	1.7487
A350SI-2831-32	1 3/4	1 15/16	2			1.9371	1.9381	1.7471	1.7487
A350SI-3033-16	1 7/8	2 1/16	1	1.8770	1.8809	2.0625	2.0637	1.8721	1.8737
A350SI-3033-32	1 7/8	2 1/16	2			2.0625	2.0637	1.8721	1.8737
A350SI-3235-16	2	2 3/16	1	1.9993	2.0040	2.1871	2.1883	1.9969	1.9981
A350SI-3235-32	2	2 3/16	2			2.1871	2.1883	1.9969	1.9981

Bearing technology | Plain bearing | iglide® A350

Flange bearing (form F), inch



2) Thickness < 0.6mm: Chamfer = 20°

For tolerance values, **page 472**

*Based on steel housing bore

Chamfer in relation to d1

d1 [inch]	Ø .040-.236	Ø >.236–.472	Ø >.472–1.18	Ø > 1.18
f [inch]	.012	.019	.031	.047

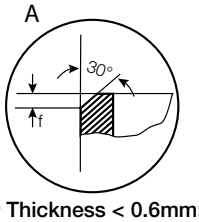
Order key

Type			Dimensions		
A350	F	I	-06	08	-06
iglide® material	Form F (flange)	Inch	Inner Ø d1 (inch)	Outer Ø d2 (inch)	Length b1 (inch)

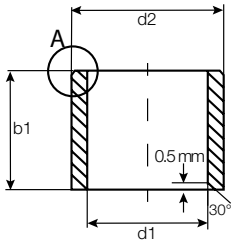
Part Number	d1	d2	b1	d3	b2	I.D. After Pressfit*		Housing Bore		Shaft Size	
					-.0055	Min.	Max.	Min.	Max.	Min.	Max.
A350FI-0203-03	1/8	3/16	3/16	.312	.0320	.1247	.1266	.1873	.1878	.1236	.1243
A350FI-0304-04	3/16	1/4	1/4	.375	.0320	.1869	.1888	.2497	.2503	.1858	.1865
A350FI-0405-06	1/4	5/16	3/8	.430	.0320	.2495	.2518	.3122	.3128	.2481	.2490
A350FI-0405-08	1/4	5/16	1/2	.500	.0320			.3122	.3128	.2481	.2490
A350FI-0506-04	5/16	3/8	1/4	.500	.0320	.3120	.3143	.3747	.3753	.3106	.3115
A350FI-0506-06	5/16	3/8	3/8	.500	.0320			.3747	.3753	.3106	.3115
A350FI-0506-08	5/16	3/8	1/2	.500	.0320			.3747	.3753	.3106	.3115
A350FI-0607-04	3/8	15/32	1/4	.687	.0460	.3745	.3768	.4684	.4691	.3731	.3740
A350FI-0607-06	3/8	15/32	3/8	.687	.0460			.4684	.4691	.3731	.3740
A350FI-0607-08	3/8	15/32	1/2	.687	.0460			.4684	.4691	.3731	.3740
A350FI-0607-12	3/8	15/32	3/4	.687	.0460			.4684	.4691	.3731	.3740
A350FI-0708-08	7/16	17/32	1/2	.750	.0460	.4371	.4399	.5309	.5316	.4355	.4365
A350FI-0809-04	1/2	19/32	1/4	.875	.0460	.4996	.5024	.5934	.5941	.4980	.4990
A350FI-0809-06	1/2	19/32	3/8	.875	.0460			.5934	.5941	.4980	.4990
A350FI-0809-08	1/2	19/32	1/2	.875	.0460			.5934	.5941	.4980	.4990
A350FI-0809-12	1/2	19/32	3/4	.875	.0460			.5934	.5941	.4980	.4990
A350FI-0809-16	1/2	19/32	1	.875	.0460			.5934	.5941	.4980	.4990
A350FI-1011-08	5/8	23/32	1/2	.937	.0460	.6246	.6274	.7184	.7192	.6230	.6240
A350FI-1011-12	5/8	23/32	3/4	.937	.0460			.7184	.7192	.6230	.6240
A350FI-1011-16	5/8	23/32	1	.937	.0460			.7184	.7192	.6230	.6240
A350FI-1214-08	3/4	7/8	1/2	1.125	.0620	.7499	.7532	.8747	.8755	.7479	.7491
A350FI-1214-12	3/4	7/8	3/4	1.125	.0620			.8747	.8755	.7479	.7491
A350FI-1214-16	3/4	7/8	1	1.125	.0620			.8747	.8755	.7479	.7491
A350FI-1416-08	7/8	1	1/2	1.250	.0620	.8749	.8782	.9997	1.0005	.8729	.8741
A350FI-1416-12	7/8	1	3/4	1.250	.0620			.9997	1.0005	.8729	.8741
A350FI-1416-16	7/8	1	1	1.250	.0620			.9997	1.0005	.8729	.8741
A350FI-1618-08	1	1 1/8	1/2	1.375	.0620	.9999	1.0032	1.1247	1.1255	.9979	.9991
A350FI-1618-12	1	1 1/8	3/4	1.375	.0620			1.1247	1.1255	.9979	.9991
A350FI-1618-16	1	1 1/8	1	1.375	.0620			1.1247	1.1255	.9979	.9991
A350FI-2022-16	1 1/4	1 13/32	1	1.687	.0780	1.2498	1.2537	1.4058	1.4068	1.2472	1.2488
A350FI-2022-20	1 1/4	1 13/32	1 1/4	1.687	.0780			1.4058	1.4068	1.2472	1.2488
A350FI-2426-16	1 1/2	1 21/32	1	2.000	.0780	1.4998	1.5037	1.6558	1.6568	1.4972	1.4988
A350FI-2426-24	1 1/2	1 21/32	1 1/2	2.000	.0780			1.6558	1.6568	1.4972	1.4988
A350FI-2831-32	1 3/4	1 15/16	2	2.375	.0930	1.7497	1.7536	1.9371	1.9381	1.7471	1.7487
A350FI-3235-32	2	2 3/16	2	2.625	.0930	1.9993	2.004	2.1871	2.1883	1.9969	1.9981

Bearing technology | Plain bearing | iglide® A350

Sleeve bearing (form S), metric



[2] Thickness < 0.6mm:
Chamfer = 20°



For tolerance values, page 472

Order key

Type			Dimensions		
A350	S	M	-06	08	-06
iglide® material	Form S (sleeve)	Metric	Inner Ø d1 (mm)	Outer Ø d2 (mm)	Length b1 (mm)

Dimensions according to ISO 3547-1 and special dimensions

*Based on steel housing bore

Chamfer in relation to d1

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

Part Number	d1	d2	b1	I.D. After Pressfit*		Housing Bore		Shaft Size	
			h13	Min.	Max.	Min.	Max.	Min.	Max.
A350SM-0405-04	4.0	5.5	4.0	4.010	4.058	5.500	5.512	3.970	4.000
A350SM-0405-06	4.0	5.5	6.0			5.500	5.512	3.970	4.000
A350SM-0507-05	5.0	7.0	5.0	5.010	5.058	7.000	7.015	4.970	5.000
A350SM-0507-10	5.0	7.0	10.0			7.000	7.015	4.970	5.000
A350SM-0608-06	6.0	8.0	6.0	6.010	6.058	8.000	8.015	5.970	6.000
A350SM-0608-08	6.0	8.0	8.0			8.000	8.015	5.970	6.000
A350SM-0608-10	6.0	8.0	10.0			8.000	8.015	5.970	6.000
A350SM-0810-08	8.0	10.0	8.0	8.013	8.071	10.000	10.015	7.964	8.000
A350SM-0810-10	8.0	10.0	10.0			10.000	10.015	7.964	8.000
A350SM-0810-12	8.0	10.0	12.0			10.000	10.015	7.964	8.000
A350SM-1012-08	10.0	12.0	8.0	10.013	10.071	12.000	12.018	9.964	10.000
A350SM-1012-10	10.0	12.0	10.0			12.000	12.018	9.964	10.000
A350SM-1012-12	10.0	12.0	12.0			12.000	12.018	9.964	10.000
A350SM-1012-15	10.0	12.0	15.0			12.000	12.018	9.964	10.000
A350SM-1012-20	10.0	12.0	20.0			12.000	12.018	9.964	10.000
A350SM-1214-10	12.0	14.0	10.0	12.016	12.086	14.000	14.018	11.957	12.000
A350SM-1214-12	12.0	14.0	12.0			14.000	14.018	11.957	12.000
A350SM-1214-15	12.0	14.0	15.0			14.000	14.018	11.957	12.000
A350SM-1214-20	12.0	14.0	20.0			14.000	14.018	11.957	12.000
A350SM-1315-10	13.0	15.0	10.0	13.016	13.086	15.000	15.018	12.957	13.000
A350SM-1315-20	13.0	15.0	20.0			15.000	15.018	12.957	13.000
A350SM-1416-12	14.0	16.0	12.0	14.016	14.086	16.000	16.018	13.957	14.000
A350SM-1416-15	14.0	16.0	15.0			16.000	16.018	13.957	14.000
A350SM-1416-20	14.0	16.0	20.0			16.000	16.018	13.957	14.000
A350SM-1416-25	14.0	16.0	25.0			16.000	16.018	13.957	14.000
A350SM-1517-15	15.0	17.0	15.0	15.016	15.086	17.000	17.018	14.957	15.000
A350SM-1517-20	15.0	17.0	20.0			17.000	17.018	14.957	15.000
A350SM-1517-25	15.0	17.0	25.0			17.000	17.018	14.957	15.000
A350SM-1618-15	16.0	18.0	15.0	16.016	16.086	18.000	18.018	15.957	16.000
A350SM-1618-20	16.0	18.0	20.0			18.000	18.018	15.957	16.000
A350SM-1618-25	16.0	18.0	25.0			18.000	18.018	15.957	16.000
A350SM-1820-15	18.0	20.0	15.0	18.016	18.086	20.000	20.021	17.957	18.000
A350SM-1820-20	18.0	20.0	20.0			20.000	20.021	17.957	18.000
A350SM-1820-25	18.0	20.0	25.0			20.000	20.021	17.957	18.000

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Sleeve bearing (form S), metric

Part Number	d1	d2	b1	I.D. After Pressfit*		Housing Bore		Shaft Size	
			h13	Min.	Max.	Min.	Max.	Min.	Max.
A350SM-2023-10	20.0	23.0	10.0	20.020	20.104	23.000	23.021	19.948	20.000
A350SM-2023-15	20.0	23.0	15.0			23.000	23.021	19.948	20.000
A350SM-2023-20	20.0	23.0	20.0			23.000	23.021	19.948	20.000
A350SM-2023-25	20.0	23.0	25.0			23.000	23.021	19.948	20.000
A350SM-2023-30	20.0	23.0	30.0			23.000	23.021	19.948	20.000
A350SM-2225-15	22.0	25.0	15.0	22.020	22.104	25.000	25.021	21.948	22.000
A350SM-2225-20	22.0	25.0	20.0			25.000	25.021	21.948	22.000
A350SM-2225-25	22.0	25.0	25.0			25.000	25.021	21.948	22.000
A350SM-2225-30	22.0	25.0	30.0			25.000	25.021	21.948	22.000
A350SM-2427-15	24.0	27.0	15.0	24.020	24.104	27.000	27.021	23.948	24.000
A350SM-2427-20	24.0	27.0	20.0			27.000	27.021	23.948	24.000
A350SM-2427-25	24.0	27.0	25.0			27.000	27.021	23.948	24.000
A350SM-2427-30	24.0	27.0	30.0			27.000	27.021	23.948	24.000
A350SM-2428-30	24.0	28.0	30.0			28.000	28.021	23.948	24.000
A350SM-2528-15	25.0	28.0	15.0	25.020	25.104	28.000	28.021	24.948	25.000
A350SM-2528-20	25.0	28.0	20.0			28.000	28.021	24.948	25.000
A350SM-2528-25	25.0	28.0	25.0			28.000	28.021	24.948	25.000
A350SM-2528-30	25.0	28.0	30.0			28.000	28.021	24.948	25.000
A350SM-2832-20	28.0	32.0	20.0	28.020	28.104	32.000	32.025	27.948	28.000
A350SM-2832-25	28.0	32.0	25.0			32.000	32.025	27.948	28.000
A350SM-2832-30	28.0	32.0	30.0			32.000	32.025	27.948	28.000
A350SM-3034-20	30.0	34.0	20.0	30.020	30.104	34.000	34.025	29.948	30.000
A350SM-3034-25	30.0	34.0	25.0			34.000	34.025	29.948	30.000
A350SM-3034-30	30.0	34.0	30.0			34.000	34.025	29.948	30.000
A350SM-3034-40	30.0	34.0	40.0			34.000	34.025	29.948	30.000
A350SM-3236-20	32.0	36.0	20.0	32.025	32.125	36.000	36.025	31.938	32.000
A350SM-3236-30	32.0	36.0	30.0			36.000	36.025	31.938	32.000
A350SM-3236-40	32.0	36.0	40.0			36.000	36.025	31.938	32.000
A350SM-3539-20	35.0	39.0	20.0	35.025	35.125	39.000	39.025	34.938	35.000
A350SM-3539-30	35.0	39.0	30.0			39.000	39.025	34.938	35.000
A350SM-3539-40	35.0	39.0	40.0			39.000	39.025	34.938	35.000
A350SM-3539-50	35.0	39.0	50.0			39.000	39.025	34.938	35.000
A350SM-4044-20	40.0	44.0	20.0	40.025	40.125	44.000	44.025	39.938	40.000
A350SM-4044-30	40.0	44.0	30.0			44.000	44.025	39.938	40.000
A350SM-4044-40	40.0	44.0	40.0			44.000	44.025	39.938	40.000
A350SM-4044-50	40.0	44.0	50.0			44.000	44.025	39.938	40.000
A350SM-4550-20	45.0	50.0	20.0	45.025	45.125	50.000	50.025	44.938	45.000
A350SM-4550-30	45.0	50.0	30.0			50.000	50.025	44.938	45.000
A350SM-4550-40	45.0	50.0	40.0			50.000	50.025	44.938	45.000
A350SM-4550-50	45.0	50.0	50.0			50.000	50.025	44.938	45.000
A350SM-5055-20	50.0	55.0	20.0	50.025	50.125	55.000	55.030	49.938	50.000
A350SM-5055-30	50.0	55.0	30.0			55.000	55.030	49.938	50.000
A350SM-5055-40	50.0	55.0	40.0			55.000	55.030	49.938	50.000
A350SM-5055-50	50.0	55.0	50.0			55.000	55.030	49.938	50.000
A350SM-5055-60	50.0	55.0	60.0			55.000	55.030	49.938	50.000

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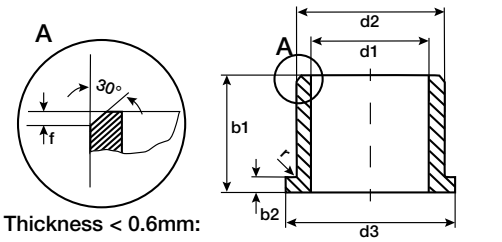
Flange bearing (form F), metric



[2] Thickness < 0.6mm:
Chamfer = 20°

For tolerance values, **page 472**

Dimensions according to ISO 3547-1 and special dimensions

*Based on steel housing bore

Chamfer in relation to 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

Type			Dimensions		
A350	F	M	-06	08	-06
iglide® material	Form F (flange)	Metric	Inner Ø d1 (mm)	Outer Ø d2 (mm)	Length b1 (mm)

Part Number	d1	d2	d3	b1	b2	I.D. After Pressfit*		Housing Bore		Shaft Size	
			d13	h13	-0.14	Min.	Max.	Min.	Max.	Min.	Max.
A350FM-0507-05	5.0	7.0	11.0	5.0	1.00	5.010	5.058	7.000	7.015	4.970	5.000
A350FM-0608-04	6.0	8.0	12.0	4.0	1.00	6.010	6.058	8.000	8.015	5.970	6.000
A350FM-0608-06	6.0	8.0	12.0	6.0	1.00			8.000	8.015	5.970	6.000
A350FM-0608-08	6.0	8.0	12.0	8.0	1.00			8.000	8.015	5.970	6.000
A350FM-0810-05	8.0	10.0	15.0	5.5	1.00	8.013	8.071	10.000	10.015	7.964	8.000
A350FM-0810-07	8.0	10.0	15.0	7.5	1.00			10.000	10.015	7.964	8.000
A350FM-0810-09	8.0	10.0	15.0	9.5	1.00			10.000	10.015	7.964	8.000
A350FM-0810-10	10.0	10.0	15.0	10.0	1.00			10.000	10.015	9.964	10.000
A350FM-1012-07	10.0	12.0	18.0	7.0	1.00	10.013	10.071	12.000	12.018	9.964	10.000
A350FM-1012-09	10.0	12.0	18.0	9.0	1.00			12.000	12.018	9.964	10.000
A350FM-1012-10	10.0	12.0	18.0	10.0	1.00			12.000	12.018	9.964	10.000
A350FM-1012-12	10.0	12.0	18.0	12.0	1.00			12.000	12.018	9.964	10.000
A350FM-1012-17	10.0	12.0	18.0	17.0	1.00			12.000	12.018	9.964	10.000
A350FM-1214-07	12.0	14.0	20.0	7.0	1.00	12.016	12.086	14.000	14.018	11.957	12.000
A350FM-1214-09	12.0	14.0	20.0	9.0	1.00			14.000	14.018	11.957	12.000
A350FM-1214-12	12.0	14.0	20.0	12.0	1.00			14.000	14.018	11.957	12.000
A350FM-1214-17	12.0	14.0	20.0	17.0	1.00			14.000	14.018	11.957	12.000
A350FM-1416-12	14.0	16.0	22.0	12.0	1.00	14.016	14.086	16.000	16.018	13.957	14.000
A350FM-1416-17	14.0	16.0	22.0	17.0	1.00			16.000	16.018	13.957	14.000
A350FM-1517-09	15.0	17.0	23.0	9.0	1.00	15.016	15.086	17.000	17.018	14.957	15.000
A350FM-1517-12	15.0	17.0	23.0	12.0	1.00			17.000	17.018	14.957	15.000
A350FM-1517-17	15.0	17.0	23.0	17.0	1.00			17.000	17.018	14.957	15.000
A350FM-1618-12	16.0	18.0	24.0	12.0	1.00	16.016	16.086	18.000	18.018	15.957	16.000
A350FM-1618-17	16.0	18.0	24.0	17.0	1.00			18.000	18.018	15.957	16.000
A350FM-1820-12	18.0	20.0	26.0	12.0	1.00	18.016	18.086	20.000	20.021	17.957	18.000
A350FM-1820-17	18.0	20.0	26.0	17.0	1.00			20.000	20.021	17.957	18.000
A350FM-2023-11	20.0	23.0	30.0	11.5	1.50	20.020	20.104	23.000	23.021	19.948	20.000
A350FM-2023-16	20.0	23.0	30.0	16.5	1.50			23.000	23.021	19.948	20.000
A350FM-2023-21	20.0	23.0	30.0	21.5	1.50			23.000	23.021	19.948	20.000
A350FM-2528-11	25.0	28.0	35.0	11.5	1.50	25.020	25.104	28.000	28.021	24.948	25.000
A350FM-2528-16	25.0	28.0	35.0	16.5	1.50			28.000	28.021	24.948	25.000

Bearing technology | Plain bearing | iglide® A350

Flange bearing (form F), metric

Part Number	d1	d2	d3	b1	b2	I.D. After Pressfit*		Housing Bore		Shaft Size	
			d13	h13	-0.14	Min.	Max.	Min.	Max.	Min.	Max.
A350FM-2528-21	25.0	28.0	35.0	21.5	1.50	25.020	25.104	28.000	28.021	24.948	25.000
A350FM-3034-16	30.0	34.0	42.0	16.0	2.00	30.020	30.104	34.000	34.025	29.948	30.000
A350FM-3034-26	30.0	34.0	42.0	26.0	2.00			34.000	34.025	29.948	30.000
A350FM-3539-16	35.0	39.0	47.0	16.0	2.00	35.025	35.125	39.000	39.025	34.938	35.000
A350FM-3539-26	35.0	39.0	47.0	26.0	2.00			39.000	39.025	34.938	35.000
A350FM-4044-30	40.0	44.0	52.0	30.0	2.00	40.025	40.125	44.000	44.025	39.938	40.000
A350FM-4044-40	40.0	44.0	52.0	40.0	2.00			44.000	44.025	39.938	40.000
A350FM-4550-50	45.0	50.0	58.0	50.0	2.00	45.025	45.125	50.000	50.025	44.938	45.000