

High temperature and chemical resistance: The High-Tech Problem Solver – iglidur[®] X



Over 250 dimensions available from stock Temperature resistant from –100 °C to +250 °C in continuous operation

Universal resistance to chemicals

High compressive strength

Very low moisture absorption

Excellent wear resistance through the entire temperature range

iglidur® X

iglidur® X | The High-Tech Problem Solver

High temperature and chemical resistance. iglidur[®] X is defined by its combination of high temperature resistance with compressive strength, along with high resistance to chemicals. iglidur[®] X is designed for higher speeds than other iglidur[®] bearings.



Temperature resistant from –100 °C to +250 °C in continuous operation Universal resistance to chemicals



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Excellent wear resistance through the entire temperature range

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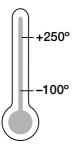
When to use it?

- For pressure loads up to 150 MPa
- For linear movements with stainless steel at high temperatures
- Universal resistance to chemicals
- Temperature resistant from -100 °C to +250 °C in continuous operation (short term to +315 °C)
- Very low moisture absorption
- High wear resistance over the entire temperature range

When not to use it?

- For very low wear at high loads
 - ▶ iglidur[®] Q2, page 555
 - ▶ iglidur[®] Z, page 327
- For economical underwater applications
 - ▶ iglidur[®] H370, page 375
- For edge pressure
 - ▶ iglidur[®] Z, page 327

Temperature



Product range

3 types > 250 dimensions Ø 2–75 mm

iglidur® X | Application Examples



Typical sectors of industry and application areas

- Beverage technology Woodworking
- \bullet Plastic processing industry \bullet Aerospace
- engineering \bullet Cleanroom etc.

Improve technology and reduce costs – 310 exciting examples for iglidur[®] plain bearings online

www.igus.eu/iglidur-applications



www.igus.eu/bottle-filling



www.igus.eu/ultraviolet-radiation



www.igus.eu/drillrig



www.igus.eu/flangedball-valves

Material properties table			
General properties	Unit	iglidur [®] X	Testing method
Density	g/cm ³	1.44	
Colour		black	
Max. moisture absorption at +23 °C/50 % r.h.	% weight	0.1	DIN 53495
Max. water absorption	% weight	0.5	
Coefficient of sliding friction, dynamic against steel	μ	0.09–0.27	
pv value, max. (dry)	MPa · m/s	1.32	
Mechanical properties			
Modulus of elasticity	MPa	8,100	DIN 53457
Tensile strength at +20 °C	MPa	170	DIN 53452
Compressive strength	MPa	100	
Max. static surface pressure (+20 °C)	MPa	150	
Shore-D Hardness		85	DIN 53505
Physical and thermal properties			
Max. long term application temperature	°C	+250	
Max. short term application temperature	°C	+315	
Min. application temperature	°C	-100	
Thermal conductivity	W/m ⋅ K	0.6	ASTM C 177
Coefficient of thermal expansion (at +23 °C)	K⁻¹ · 10⁻⁵	5	DIN 53752
Electrical properties ¹⁾			
Specific volume resistance	Ωcm	< 10 ⁵	DIN IEC 93
Surface resistance	Ω	< 10 ³	DIN 53482

²⁾ The good conductivity of this product might lead to the corrosion of metallic counterparts under certain conditions.

Table 01: Material properties table

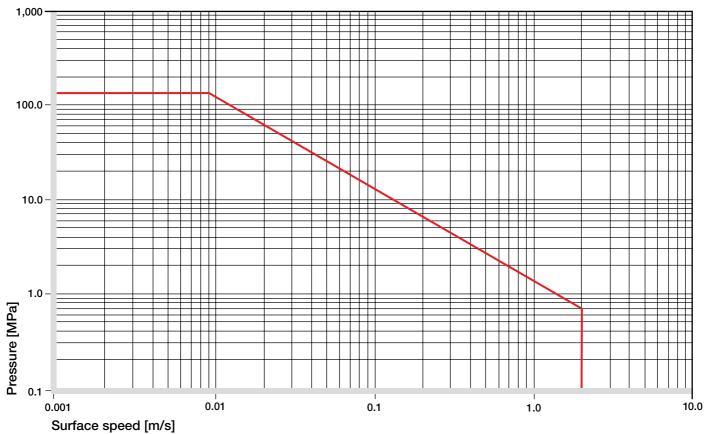


Diagram 01: Permissible pv values for iglidur[®] X with a wall thickness of 1 mm dry running against a steel shaft at +20 °C, mounted in a steel housing

176 Lifetime calculation, CAD files and much more support ► www.igus.eu/eu/x

iglidur[®] X has an excellent combination of high temperature resistance, high compressive strength, and excellent resistance to chemicals. The aspect of temperature resistance and pressure susceptibiluty is also reflected in the pv diagram.

Mechanical Properties

With increasing temperatures, the compressive strength of iglidur[®] X plain bearings decreases. The Diagram 02 shows this inverse relationship. However, at the longterm maximum temperature of +250 °C the permissible surface pressure is almost 32 MPa. The recommended maximum surface pressure is a mechanical material parameter. No conclusions regarding the tribological properties can be drawn from this.

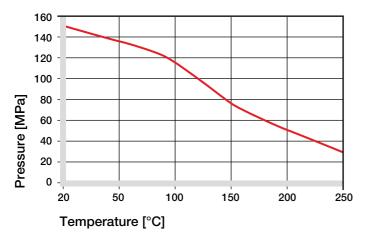


Diagram 02: Recommended maximum surface pressure as a function of temperature (150 MPa at +20 °C)

Diagram 03 shows how iglidur[®] X plain bearings deform elastically under load.

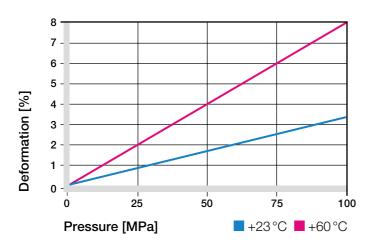


Diagram 03: Deformation under pressure and temperature

Permissible Surface Speeds

iglidur[®] X is designed for higher speeds than other iglidur[®] bearings. This is due to its high temperature resistance and excellent thermal conductivity. One benefit of this is seen in the maximum pV value of 1.32 MPa \cdot m/s.

However, in this case, only the smallest radial loads may act on the bearings. At the given speeds, friction can cause a temperature increase to maximum permissible levels.

Surface Speed, page 65

m/s	Rotating	Oscillating	Linear
Continuous	1.5	1.1	5
Short term	3.5	2.5	10

Table 02: Maximum running speed

Temperatures

In terms of temperature resistance iglidur[®] X has also taken on a leading position. Having a permissible long term application, temperature of +250 °C, iglidur[®] X will even withstand +315 °C short term. As with all thermoplastics, the compression resistance of iglidur[®] X decreases with increasing temperature. However, the wear drops considerably when used within the observed temperature range of +23 °C to +150 °C.

In certain cases, relaxation of the bearing can even occur at temperatures of more than +170 °C. This leads, after re-cooling, to the bearing moving out of the housing. At temperatures over +170 °C the axial security of the bearing in the housing needs to be tested. If necessary, secondary measures must be taken to mechanically secure the bearing. Please contact us if you have questions on bearing use.

Application Temperatures, page 66

iglidur [®] X	Application temperature
Minimum	-100°C
Max. long term	+250°C
Max. short term	+315°C
Add. securing is required from	n +135°C
Table 03: Temperature limits	S

Surface Pressure, **page 63**

iglidur[®] X

iglidur® X | Technical Data

Friction and Wear

Similar to wear resistance, the coefficient of friction also changes with the load. The coefficient of friction increases with an increase in surface speed. On the other hand, an increased load has an inverse effect: the coefficient of friction decreases (see Diagrams 05 and 06). This explains the excellent performance of iglidur[®] X plain bearings for high loads.

Coefficients of Friction and Surfaces, page 68

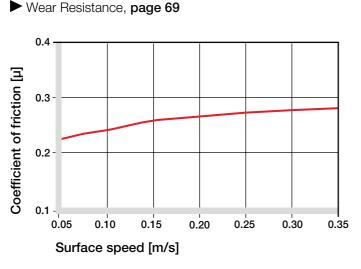


Diagram 05: Coefficient of friction as a function of the pressure, v = 0.01 m/s

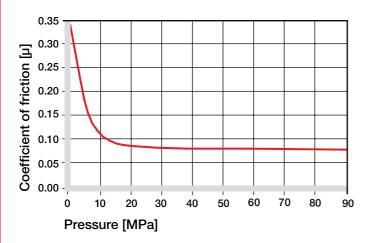


Diagram 06: Coefficient of friction as function of the shaft surface (Cf53 hardened and ground steel)

Shaft Materials

Friction and wear, to a high degree, are also dependent on the shaft material. Shafts that are too smooth increase the coefficient of friction of the bearing. Ground surfaces with an average roughness Ra of 0.6 to 0.8 µm are ideal. Diagrams 07 to 10 show results of testing different shaft materials with plain bearings made of iglidur[®] X. For low loads in rotating operation, the best wear values are found with 303 Stainless and HR Carbon Steel shafts. However, above a load of 2 MPa the bearing wear greatly increases with these two shaft materials. For the higher load range, hard chromed shafts or Cf53 shafts give good results. In oscillating operation at low loads, similar wear values for Cf53 and 303 stainless steel shafts occur. The wear is somewhat higher than during rotational movements.

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



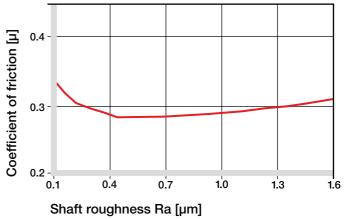
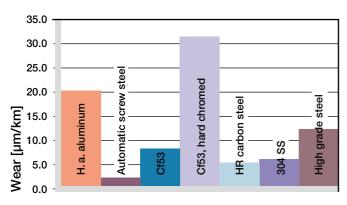
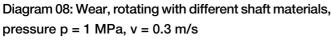


Diagram 07: Coefficient of friction as function of the shaft surface (Cf53 hardened and ground steel)





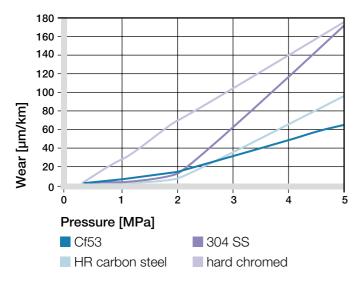


Diagram 09: Wear with different shaft materials in rotational operation, as a function of the pressure

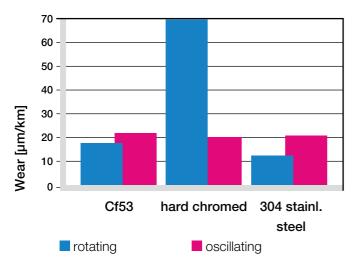


Diagram 10: Wear for rotating and oscillating applications with different shaft materials, p = 2 MPa

iglidur [®] X	Dry	Greases	Oil	Water
C.o.f. µ	0.09–0.27	0.09	0.04	0.04

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

Additional Properties

Chemical Resistance

iglidur[®] X plain bearings have almost universal chemical resistance. The material is only attacked by concentrated acids.

Chemical Table, page 1258

Medium	Resistance
Alcohol	+
Hydrocarbons	+
Greases, oils without additives	+
Fuels	+
Diluted acids	+
Strong acids	-
Diluted alkalines	+
Strong alkalines	+

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

Radiation Resistance

Plain bearings made from iglidur[®] X are resistant to radiation up to an intensity of $1 \cdot 10^5$ Gy. iglidur[®] X is the most radioactive resistant material of the iglidur[®] product range. iglidur[®] X is extremely resistant to hard gamma radiation and withstands a radiation dose of 1,000 Mrad without detectable change in its properties. The material also withstands an alpha or beta radiation of 10,000 Mrad with practically no damage.

UV Resistance

The excellent material properties of iglidur[®] X do not change under UV radiation and other weathering effects.

Vacuum

In a vacuum environment iglidur[®] X plain bearings can be used virtually without restrictions. Outgassing takes place to a very limited extent.

Electrical Properties

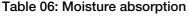
iglidur® X plain bearings are are electrically conductive.				
Volume resistance	$< 10^5 \Omega cm$			
Surface resistance	$< 10^{3} \Omega cm$			

Moisture Absorption

The moisture absorption of iglidur[®] X plain bearings is very low. It is approximately 0.1% by weight in the standard atmosphere. So even in applications under water, iglidur[®] X bearings can be used without alterations of the assembly conditions. The maximum moisture absorption is 0.5 % by weight.

Maximum moisture absorption

At +23°C/50% r.h.	0.1 % weight
Max. water absorption	0.5% weight



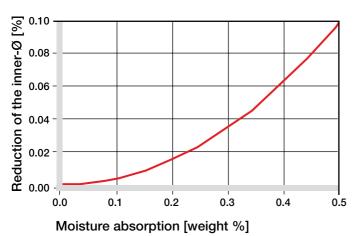


Diagram 11: Effect of moisture absorption plain bearings

Installation Tolerances

iglidur[®] X plain bearings are standard bearings for shafts with h-tolerance (recommended minimum h9). The bearings are designed for pressfit into a housing machined to a H7 tolerance. After being assembled into a nominal size housing, in standard cases the inner diameter automatically adjusts to the F10 tolerances. For particular dimensions the tolerance differs depending on the wall thickness (please see product range table).

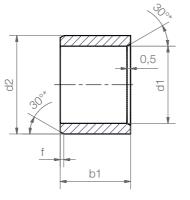
Testing Methods, page 75

	ameter	•	Shaft h9	iglidur® X	Housing H7
d1	[mm]		[mm]	F10 [mm]	[mm]
	up to	3	0–0.025	+0.006 +0.046	0 +0.010
>	3 to	6	0–0.030	+0.010 +0.058	0 +0.012
>	6 to	10	0–0.036	+0.013 +0.071	0 +0.015
>	10 to	18	0–0.043	+0.016 +0.086	0 +0.018
>	18 to	30	0-0.052	+0.020 +0.104	0 +0.021
>	30 to	50	0-0.062	+0.025 +0.125	0 +0.025
>	50 to	80	0-0.074	+0.030 +0.150	0 +0.030

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

Sleeve bearing





Dimensions according to ISO 3547-1 and special dimensions * thickness < 1 mm, chamfer = 20° Chamfer in relation to the d1 d1 [mm]: \emptyset 1–6 $| \emptyset$ 6–12 $| \emptyset$ 12–30 $| \emptyset > 30$ f [mm]: 0.3 | 0.5 | 0.8 | 1.2

Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	b1 h13
XSM-0203-03	2.0	+0.006 +0.046	3.5	3.0
XSM-0304-03	3.0	+0.006 +0.046	4.5	3.0
XSM-0304-06	3.0	+0.006 +0.046	4.5	6.0
XSM-0405-04	4.0	+0.010 +0.058	5.5	4.0
XSM-0405-06	4.0	+0.010 +0.058	5.5	6.0
XSM-0405-10	4.0	+0.010 +0.058	5.5	10.0
XSM-0507-035	5.0	+0.010 +0.058	7.0	3.5
XSM-0507-05	5.0	+0.010 +0.058	7.0	5.0
XSM-0507-08	5.0	+0.010 +0.058	7.0	8.0
XSM-0608-06	6.0	+0.010 +0.058	8.0	6.0
XSM-0608-08	6.0	+0.010 +0.058	8.0	8.0
XSM-0608-10	6.0	+0.010 +0.058	8.0	10.0
XSM-0608-13	6.0	+0.010 +0.058	8.0	13.8
XSM-0709-10	7.0	+0.013 +0.071	9.0	10.0
XSM-0709-12	7.0	+0.013 +0.071	9.0	12.0
XSM-0810-06	8.0	+0.013 +0.071	10.0	6.0
XSM-0810-08	8.0	+0.013 +0.071	10.0	8.0
XSM-0810-10	8.0	+0.013 +0.071	10.0	10.0
XSM-0810-12	8.0	+0.013 +0.071	10.0	12.0
XSM-0810-15	8.0	+0.013 +0.071	10.0	15.0
XSM-1012-035	10.0	+0.013 +0.071	12.0	3.5
XSM-1012-06	10.0	+0.013 +0.071	12.0	6.0
XSM-1012-08	10.0	+0.013 +0.071	12.0	8.0
XSM-1012-10	10.0	+0.013 +0.071	12.0	10.0
XSM-1012-12	10.0	+0.013 +0.071	12.0	12.0

* after pressfit. Testing methods ► page 75



delivery from stock time

Order key XSM-0203-03

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

Part number	d1	d1-Tolerance*	d2	b1
				h13
XSM-1012-15	10.0	+0.013 +0.071	12.0	15.0
XSM-1012-20	10.0	+0.013 +0.071	12.0	20.0
XSM-1214-035	12.0	+0.016 +0.086	14.0	3.5
XSM-1214-06	12.0	+0.016 +0.086	14.0	6.0
XSM-1214-08	12.0	+0.016 +0.086	14.0	8.0
XSM-1214-10	12.0	+0.016 +0.086	14.0	10.0
XSM-1214-12	12.0	+0.016 +0.086	14.0	12.0
XSM-1214-15	12.0	+0.016 +0.086	14.0	15.0
XSM-1214-20	12.0	+0.016 +0.086	14.0	20.0
XSM-1214-25	12.0	+0.016 +0.086	14.0	25.0
XSM-1416-12	14.0	+0.016 +0.086	16.0	12.0
XSM-1416-15	14.0	+0.016 +0.086	16.0	15.0
XSM-1416-20	14.0	+0.016 +0.086	16.0	20.0
XSM-1517-07	15.0	+0.016 +0.086	17.0	7.0
XSM-1517-10	15.0	+0.016 +0.086	17.0	10.0
XSM-1517-15	15.0	+0.016 +0.086	17.0	15.0
XSM-1517-20	15.0	+0.016 +0.086	17.0	20.0
XSM-1517-25	15.0	+0.016 +0.086	17.0	25.0
XSM-1618-10	16.0	+0.016 +0.086	18.0	10.0
XSM-1618-12	16.0	+0.016 +0.086	18.0	12.0
XSM-1618-15	16.0	+0.016 +0.086	18.0	15.0
XSM-1618-20	16.0	+0.016 +0.086	18.0	20.0
XSM-1618-35	16.0	+0.016 +0.086	18.0	35.0
XSM-1719-20	17.0	+0.016 +0.086	19.0	20.0
XSM-1820-15	18.0	+0.016 +0.086	20.0	15.0

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Sleeve bearing

Dimensions [mm]

Part number	d1	d1-Tolerance*	d2	b1	Par	t number	d1	d1-Tolerance*	d2	b1
				h13						h13
XSM-1820-20	18.0	+0.016 +0.086	20.0	20.0	XSI	M-2832-69	28.0	+0.020 +0.104	32.0	69.0
XSM-2022-140	20.0	+0.020 +0.104	22.0	14.0	XS	M-3034-15	30.0	+0.020 +0.104	34.0	15.0
XSM-2022-145	20.0	+0.020 +0.104	22.0	14.5	XS	M-3034-20	30.0	+0.020 +0.104	34.0	20.0
XSM-2022-18	20.0	+0.020 +0.104	22.0	18.0	XS	M-3034-25	30.0	+0.020 +0.104	34.0	25.0
XSM-2022-20	20.0	+0.020 +0.104	22.0	20.0	XS	M-3034-30	30.0	+0.020 +0.104	34.0	30.0
XSM-2023-07	20.0	+0.020 +0.104	23.0	7.0	XS	M-3034-40	30.0	+0.020 +0.104	34.0	40.0
XSM-2023-10	20.0	+0.020 +0.104	23.0	10.0	XSI	M-3236-25	32.0	+0.025 +0.125	36.0	25.0
XSM-2023-15	20.0	+0.020 +0.104	23.0	15.0	XS	M-3236-30	32.0	+0.025 +0.125	36.0	30.0
XSM-2023-20	20.0	+0.020 +0.104	23.0	20.0	XSI	M-3236-35	32.0	+0.025 +0.125	36.0	35.0
XSM-2023-25	20.0	+0.020 +0.104	23.0	25.0	XSI	M-3236-54	32.0	+0.025 +0.125	36.0	54.0
XSM-2023-30	20.0	+0.020 +0.104	23.0	30.0	XS	M-3539-20	35.0	+0.025 +0.125	39.0	20.0
XSM-2225-15	22.0	+0.020 +0.104	25.0	15.0	XS	M-3539-30	35.0	+0.025 +0.125	39.0	30.0
XSM-2225-20	22.0	+0.020 +0.104	25.0	20.0	XS	M-3539-40	35.0	+0.025 +0.125	39.0	40.0
XSM-2426-20	24.0	+0.020 +0.104	26.0	20.0	XS	M-3539-50	35.0	+0.025 +0.125	39.0	50.0
XSM-2427-20	24.0	+0.020 +0.104	27.0	20.0	XS	M-4044-30	40.0	+0.025 +0.125	44.0	30.0
XSM-2528-077	25.0	+0.020 +0.104	28.0	7.7	XS	M-4044-40	40.0	+0.025 +0.125	44.0	40.0
XSM-2528-09	25.0	+0.020 +0.104	28.0	9.0	XS	M-4044-50	40.0	+0.025 +0.125	44.0	50.0
XSM-2528-12	25.0	+0.020 +0.104	28.0	12.0	XS	M-4550-50	45.0	+0.025 +0.125	50.0	50.0
XSM-2528-13	25.0	+0.020 +0.104	28.0	13.0	XS	M-5055-30	50.0	+0.025 +0.125	55.0	30.0
XSM-2528-15	25.0	+0.020 +0.104	28.0	15.0	XS	M-5055-40	50.0	+0.025 +0.125	55.0	40.0
XSM-2528-20	25.0	+0.020 +0.104	28.0	20.0	XS	M-5055-60	50.0	+0.025 +0.125	55.0	60.0
XSM-2528-30	25.0	+0.020 +0.104	28.0	30.0	XS	M-5560-50	55.0	+0.030 +0.150	60.0	50.0
XSM-2528-35	25.0	+0.020 +0.104	28.0	35.0	XS	M-6065-45	60.0	+0.030 +0.150	65.0	45.0
XSM-2730-05	27.0	+0.020 +0.104	30.0	5.7	XS	M-6065-60	60.0	+0.030 +0.150	65.0	60.0
XSM-2832-20	28.0	+0.020 +0.104	32.0	20.0	XS	M-6570-50	65.0	+0.030 +0.150	70.0	50.0
XSM-2832-30	28.0	+0.020 +0.104	32.0	30.0	XS	M-7075-70	70.0	+0.030 +0.150	75.0	70.0

* after pressfit. Testing methods > page 75

Don't find your size?

Do you need another length, other dimensions or tolerances? You need a particular design or alternative for your application? Please call us. igus[®] listens to your needs and provides you a solution in a very short time.



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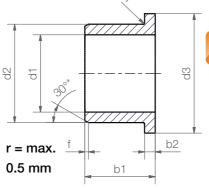
Even more dimensions from stock

More than 300 dimensions are now available. Search online for your required bearing. www.igus.eu/iglidur-specialbearings

182 Lifetime calculation, CAD files and much more support ► www.igus.eu/eu/x

Flange bearing





Order key



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

Dimensions according to ISO 3547-1 and special dimensions * thickness < 1 mm, chamfer = 20° Chamfer in relation to the d1 d1 [mm]: Ø 1–6 Ø 6–12 | Ø > 30Ø 12–30 0.5

0.8

1.2

Dimensions [mm]

0.3

f [mm]:

1						
Part number	d1	d1-Tolerance*	d2	d3	b1	b2
				d13	h13	-0.14
XFM-020406-03	2.0	+0.006 +0.046	4.0	6.0	3.0	1.0
XFM-0304-05	3.0	+0.006 +0.046	4.5	7.5	5.0	0.75
XFM-0405-04	4.0	+0.010 +0.058	5.5	9.5	4.0	0.75
XFM-0405-06	4.0	+0.010 +0.058	5.5	9.5	6.0	0.75
XFM-040508-06	4.0	+0.010 +0.058	5.5	8.0	6.0	0.75
XFM-0507-05	5.0	+0.010 +0.058	7.0	11.0	5.0	1.0
XFM-0608-08	6.0	+0.010 +0.058	8.0	12.0	8.0	1.0
XFM-0608-10	6.0	+0.010 +0.058	8.0	12.0	10.0	1.0
XFM-0810-05	8.0	+0.013 +0.071	10.0	15.0	5.5	1.0
XFM-0810-075	8.0	+0.013 +0.071	10.0	15.0	7.5	1.0
XFM-0810-08	8.0	+0.013 +0.071	10.0	15.0	8.0	1.0
XFM-0810-09	8.0	+0.013 +0.071	10.0	15.0	9.0	1.0
XFM-081012-04	8.0	+0.013 +0.071	10.0	12.0	4.0	1.0
XFM-081014-31	8.0	+0.013 +0.071	10.0	14.0	31.5	1.0
XFM-1012-05	10.0	+0.013 +0.071	12.0	18.0	5.0	1.0
XFM-1012-06	10.0	+0.013 +0.071	12.0	18.0	6.0	1.0
XFM-1012-08	10.0	+0.013 +0.071	12.0	15.0	8.0	1.0
XFM-1012-09	10.0	+0.013 +0.071	12.0	18.0	9.0	1.0
XFM-1012-15	10.0	+0.013 +0.071	12.0	18.0	15.0	1.0
XFM-1012-18	10.0	+0.013 +0.071	12.0	18.0	18.0	1.0
XFM-1012-22	10.0	+0.013 +0.071	12.0	15.0	22.0	1.0
XFM-1012-25	10.0	+0.013 +0.071	12.0	18.0	25.0	1.0
XFM-1214-055	12.0	+0.016 +0.086	14.0	20.0	5.5	1.0
XFM-1214-09	12.0	+0.016 +0.086	14.0	20.0	9.0	1.0
XFM-1214-12	12.0	+0.016 +0.086	14.0	20.0	12.0	1.0
XFM-1214-15	12.0	+0.016 +0.086	14.0	20.0	15.0	1.0

* after pressfit. Testing methods ▶ page 75



delivery from stock time

€

Flange bearing

Dimensions [mm]

Aff Ints -0.14 XFM-121418-039 12.0 +0.016 +0.086 14.0 18.0 5.9 1.0 XFM-121418-059 12.0 +0.016 +0.086 16.0 22.0 10.0 1.0 XFM-1416-10 14.0 +0.016 +0.086 16.0 22.0 12.0 1.0 XFM-1517-12 14.0 +0.016 +0.086 16.0 22.0 12.0 1.0 XFM-1517-16 15.0 +0.016 +0.086 17.0 23.0 6.0 1.0 XFM-1517-17 15.0 +0.016 +0.086 17.0 23.0 12.0 1.0 XFM-1618-12 16.0 +0.016 +0.086 18.0 24.0 17.0 1.0 XFM-1618-17 16.0 +0.016 +0.086 20.0 26.0 17.0 1.0 XFM-1820-12 18.0 +0.016 +0.086 20.0 26.0 17.0 1.0 XFM-2023-065 20.0 +0.020 +0.104 23.0 30.0 15.5 15.5 XFM-2023-11 20.0 +	Part number	d1	d1-Tolerance*	d2	d3	b1	b2
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XFM-3539-2635.0+0.025 +0.12539.047.026.02.0XFM-4044-2240.0+0.025 +0.12544.052.022.02.0XFM-4044-3040.0+0.025 +0.12544.052.030.02.0XFM-4044-4040.0+0.025 +0.12544.052.040.02.0XFM-4550-5045.0+0.025 +0.12550.058.050.02.0XFM-5055-4050.0+0.025 +0.12555.063.040.02.0XFM-6065-4060.0+0.030 +0.15065.073.040.02.0XFM-7075-4070.0+0.030 +0.15075.083.040.02.0	XFM-3236-15	32.0	+0.025 +0.125	36.0	45.0	15.0	2.0
XFM-4044-2240.0+0.025 +0.12544.052.022.02.0XFM-4044-3040.0+0.025 +0.12544.052.030.02.0XFM-4044-4040.0+0.025 +0.12544.052.040.02.0XFM-4550-5045.0+0.025 +0.12550.058.050.02.0XFM-5055-4050.0+0.025 +0.12555.063.040.02.0XFM-6065-4060.0+0.030 +0.15065.073.040.02.0XFM-7075-4070.0+0.030 +0.15075.083.040.02.0	XFM-3236-26	32.0	+0.025 +0.125	36.0	45.0	26.0	2.0
XFM-4044-3040.0+0.025 +0.12544.052.030.02.0XFM-4044-4040.0+0.025 +0.12544.052.040.02.0XFM-4550-5045.0+0.025 +0.12550.058.050.02.0XFM-5055-4050.0+0.025 +0.12555.063.040.02.0XFM-6065-4060.0+0.030 +0.15065.073.040.02.0XFM-7075-4070.0+0.030 +0.15075.083.040.02.0	XFM-3539-26	35.0	+0.025 +0.125	39.0	47.0	26.0	2.0
XFM-4044-4040.0+0.025 +0.12544.052.040.02.0XFM-4550-5045.0+0.025 +0.12550.058.050.02.0XFM-5055-4050.0+0.025 +0.12555.063.040.02.0XFM-6065-4060.0+0.030 +0.15065.073.040.02.0XFM-7075-4070.0+0.030 +0.15075.083.040.02.0	XFM-4044-22	40.0	+0.025 +0.125	44.0	52.0	22.0	2.0
XFM-4550-5045.0+0.025 +0.12550.058.050.02.0XFM-5055-4050.0+0.025 +0.12555.063.040.02.0XFM-6065-4060.0+0.030 +0.15065.073.040.02.0XFM-7075-4070.0+0.030 +0.15075.083.040.02.0	XFM-4044-30	40.0	+0.025 +0.125	44.0	52.0	30.0	2.0
XFM-5055-4050.0+0.025 +0.12555.063.040.02.0XFM-6065-4060.0+0.030 +0.15065.073.040.02.0XFM-7075-4070.0+0.030 +0.15075.083.040.02.0	XFM-4044-40	40.0	+0.025 +0.125	44.0	52.0	40.0	2.0
XFM-6065-4060.0+0.030 +0.15065.073.040.02.0XFM-7075-4070.0+0.030 +0.15075.083.040.02.0	XFM-4550-50	45.0	+0.025 +0.125	50.0	58.0	50.0	2.0
XFM-7075-40 70.0 +0.030 +0.150 75.0 83.0 40.0 2.0	XFM-5055-40	50.0	+0.025 +0.125	55.0	63.0	40.0	2.0
	XFM-6065-40	60.0	+0.030 +0.150	65.0	73.0	40.0	2.0
XFM-7580-50 75.0 +0.030 +0.150 80.0 88.0 50.0 2.0	XFM-7075-40	70.0	+0.030 +0.150	75.0	83.0	40.0	2.0
	XFM-7580-50	75.0	+0.030 +0.150	80.0	88.0	50.0	2.0

* after pressfit. Testing methods ► page 75

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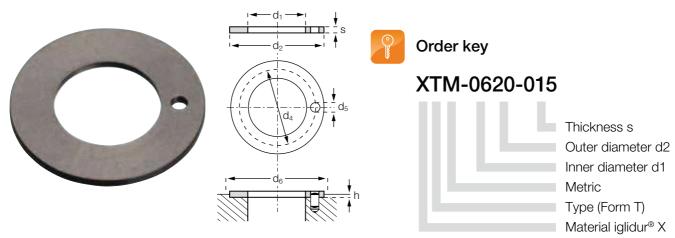
1

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Thrust washer



Dimensions according to ISO 3547-1 and special dimensions

Dimensions [mm]

Part number	d1	d2	S	d4	d5	h	d6
	+0.25	-0.25	-0.05	-0.12	+0.375	+0.2	+0.12
				+0.12	+0.125	-0.2	
XTM-0620-015	6.0	20.0	1.5	13.0	1.5	1.0	20.0
XTM-0818-015	8.0	18.0	1.5	13.0	1.5	1.0	18.0
XTM-0829-015	8.0	29.0	1.5	**	**	1.0	29.0
XTM-0830-015	8.0	30.0	1.5	**	**	1.0	30.0
XTM-1018-010	10.0	18.0	1.0	**	**	0.7	18.0
XTM-1224-015	12.0	24.0	1.5	18.0	1.5	1.0	24.0
XTM-1426-015	14.0	26.0	1.5	20.0	2.0	1.0	26.0
XTM-1522-008	15.0	22.0	0.8	**	**	0.5	22.0
XTM-1524-015	15.0	24.0	1.5	19.5	1.5	1.0	24.0
XTM-1630-015	16.0	30.0	1.5	22.0	2.0	1.0	30.0
XTM-1832-015	18.0	32.0	1.5	25.0	2.0	1.0	32.0
XTM-2036-015	20.0	36.0	1.5	28.0	3.0	1.0	36.0
XTM-2238-015	22.0	38.0	1.5	30.0	3.0	1.0	38.0
XTM-2442-015	24.0	42.0	1.5	33.0	3.0	1.0	42.0
XTM-2644-015	26.0	44.0	1.5	35.0	3.0	1.0	44.0
XTM-2848-015	28.0	48.0	1.5	38.0	4.0	1.0	48.0
XTM-3254-015	32.0	54.0	1.5	43.0	4.0	1.0	54.0
XTM-3862-015	38.0	62.0	1.5	50.0	4.0	1.0	62.0
XTM-4266-015	42.0	66.0	1.5	54.0	4.0	1.0	66.0
XTM-4874-020	48.0	74.0	2.0	61.0	4.0	1.5	74.0
XTM-5278-020	52.0	78.0	2.0	65.0	4.0	1.5	78.0
XTM-6290-020	62.0	90.0	2.0	76.0	4.0	1.5	90.0

** design without fixing bore



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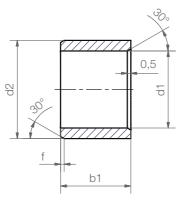
delivery from stock time

Sleeve bearing

iglidur®

Х





Order key XSI-0203-03 Inch

Length b1 Outer diameter d2 Inner diameter d1 Type (Form S) Material iglidur® X

Chamfer in relation to the d1 d1 [In a 0 0 10 ~h]

d1 [Inch]:	Ø 0.040–0.236	Ø 0.236–0.472	Ø 0.472–1.18	Ø > 1.18
f [Inch]:	0.012	0.019	0.031	0047

Dimensions [Inch]

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

* after pressfit. Testing methods ▶ page 75



delivery from stock time

€

Sleeve bearing

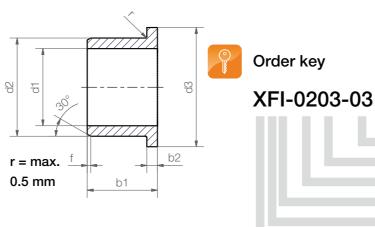
Dimensions [Inch]

XSI-0809-10 1/2 19/32 5/8 .5030 .5003 .5941 .5934 .4990 .4933 XSI-0809-12 1/2 19/32 3/4 .5030 .5003 .5941 .5934 .4990 .4933 XSI-0809-16 1/2 19/32 1 .5030 .5003 .5941 .5934 .4990 .4933 XSI-0809-16 1/2 19/32 1 .5030 .5003 .5941 .5934 .4990 .4933 XSI-0809-16 1/2 19/32 1 .5030 .5003 .5941 .5934 .4990 .4933 XSI-0910-08 9/16 21/32 1/2 .5655 .5627 .6566 .6559 .5615 .5666 XSI-0910-12 9/16 21/32 3/4 .5655 .5627 .6566 .6559 .5615 .5666 XSI-1011-04 5/8 23/32 1/4 .6280 .6253 .7192 .7184 .6240 .6240 .6240 .6240 .6240 .6240 .6240 .6240 .6240 .6240 .6240 .	min. 4980 4980 5605 5605 5230 5230 5230 5230 5230 5230
XSI-0809-12 1/2 19/32 3/4 .5030 .5003 .5941 .5934 .4990 .4932 XSI-0809-16 1/2 19/32 1 .5030 .5003 .5941 .5934 .4990 .4932 XSI-0809-16 1/2 19/32 1 .5030 .5003 .5941 .5934 .4990 .493 XSI-0910-08 9/16 21/32 1/2 .5655 .5627 .6566 .6559 .5615 .566 XSI-0910-12 9/16 21/32 3/4 .5655 .5627 .6566 .6559 .5615 .566 XSI-1011-04 5/8 23/32 1/4 .6280 .6253 .7192 .7184 .6240 .6240 XSI-1011-06 5/8 23/32 1/2 .6280 .6253 .7192 .7184 .6240 .6240 XSI-1011-08 5/8 23/32 1/2 .6280 .6253 .7192 .7184 .6240 .6240 XSI-1011-10 5/8 23/32 5/8 .6280 .6253 .7192 .7184 .6	4980 4980 5605 5230 5230 5230 5230 5230 5230 5230 5230 5230 5230 5230
XSI-0809-16 1/2 19/32 1 .5030 .5003 .5941 .5934 .4990 .4932 XSI-0910-08 9/16 21/32 1/2 .5655 .5627 .6566 .6559 .5615 .566 XSI-0910-12 9/16 21/32 3/4 .5655 .5627 .6566 .6559 .5615 .566 XSI-1011-04 5/8 23/32 1/4 .6280 .6253 .7192 .7184 .6240 .6240 XSI-1011-06 5/8 23/32 1/2 .6280 .6253 .7192 .7184 .6240 .6240 XSI-1011-08 5/8 23/32 1/2 .6280 .6253 .7192 .7184 .6240 .6240 XSI-1011-08 5/8 23/32 1/2 .6280 .6253 .7192 .7184 .6240 .6240 XSI-1011-10 5/8 23/32 5/8 .6280 .6253 .7192 .7184 .6240 .6240	4980 5605 5230 5230 5230 5230 5230 5230 5230 5230 5230 5230 5230 5230 5230
XSI-0910-08 9/16 21/32 1/2 .5655 .5627 .6566 .6559 .5615 .567 XSI-0910-12 9/16 21/32 3/4 .5655 .5627 .6566 .6559 .5615 .567 XSI-0910-12 9/16 21/32 3/4 .5655 .5627 .6566 .6559 .5615 .567 XSI-1011-04 5/8 23/32 1/4 .6280 .6253 .7192 .7184 .6240 .6280 XSI-1011-06 5/8 23/32 3/8 .6280 .6253 .7192 .7184 .6240 .6280 XSI-1011-08 5/8 23/32 1/2 .6280 .6253 .7192 .7184 .6240 .6280 XSI-1011-08 5/8 23/32 5/8 .6280 .6253 .7192 .7184 .6240 .6280 XSI-1011-10 5/8 23/32 5/8 .6280 .6253 .7192 .7184 .6240 .6280	5605 5605 5230 5230 5230 5230 5230
XSI-0910-12 9/16 21/32 3/4 .5655 .5627 .6566 .6559 .5615 .567 XSI-1011-04 5/8 23/32 1/4 .6280 .6253 .7192 .7184 .6240 .62 XSI-1011-06 5/8 23/32 3/8 .6280 .6253 .7192 .7184 .6240 .62 XSI-1011-06 5/8 23/32 1/2 .6280 .6253 .7192 .7184 .6240 .62 XSI-1011-08 5/8 23/32 1/2 .6280 .6253 .7192 .7184 .6240 .62 XSI-1011-08 5/8 23/32 5/8 .6280 .6253 .7192 .7184 .6240 .62 XSI-1011-10 5/8 23/32 5/8 .6280 .6253 .7192 .7184 .6240 .62	5605 5230 5230 5230 5230 5230
XSI-1011-04 5/8 23/32 1/4 .6280 .6253 .7192 .7184 .6240 .62 XSI-1011-06 5/8 23/32 3/8 .6280 .6253 .7192 .7184 .6240 .62 XSI-1011-06 5/8 23/32 3/8 .6280 .6253 .7192 .7184 .6240 .62 XSI-1011-08 5/8 23/32 1/2 .6280 .6253 .7192 .7184 .6240 .62 XSI-1011-10 5/8 23/32 5/8 .6280 .6253 .7192 .7184 .6240 .62 XSI-1011-10 5/8 23/32 5/8 .6280 .6253 .7192 .7184 .6240 .62	5230 5230 5230 5230 5230
XSI-1011-065/823/323/8.6280.6253.7192.7184.6240.62XSI-1011-085/823/321/2.6280.6253.7192.7184.6240.62XSI-1011-105/823/325/8.6280.6253.7192.7184.6240.62	6230 6230 6230 6230
XSI-1011-085/823/321/2.6280.6253.7192.7184.6240.62XSI-1011-105/823/325/8.6280.6253.7192.7184.6240.62	6230 6230 6230
XSI-1011-10 5/8 23/32 5/8 .6280 .6253 .7192 .7184 .6240 .62	6230 6230
	6230
XSI-1011-12 5/8 23/32 3/4 .6280 .6253 .7192 .7184 .6240 .62	3230
XSI-1011-16 5/8 23/32 1 .6280 .6253 .7192 .7184 .6240 .62	
XSI-1112-14 11/16 25/32 7/8 .6906 .6879 .7817 .7809 .6865 .68	6855
XSI-1214-06 3/4 7/8 3/8 .7541 .7507 .8755 .8747 .7491 .74	7479
XSI-1214-08 3/4 7/8 1/2 .7541 .7507 .8755 .8747 .7491 .74	7479
XSI-1214-12 3/4 7/8 3/4 .7541 .7507 .8755 .8747 .7491 .74	7479
XSI-1214-16 3/4 7/8 1 .7541 .7507 .8755 .8747 .7491 .74	7479
XSI-1416-12 7/8 1 3/4 .8791 .8757 1.0005 .9997 .8741 .87	3729
XSI-1416-16 7/8 1 1 .8791 .8757 1.0005 .9997 .8741 .87	3729
XSI-1618-08 1 1 1/8 1/2 1.0041 1.0007 1.1255 1.1247 .9991 .99	9979
XSI-1618-12 1 1 1/8 3/4 1.0041 1.0007 1.1255 1.1247 .9991 .99	9979
XSI-1618-16 1 1 1/8 1 1.0041 1.0007 1.1255 1.1247 .9991 .99	9979
XSI-1618-24 1 1 1/2 1.0041 1.0007 1.1255 1.1247 .9991 .99	9979
XSI-1820-12 1 1/8 1 9/32 3/4 1.1288 1.1254 1.2818 1.2808 1.1238 1.12	1226
XSI-2022-10 1 1/4 1 13/32 5/8 1.2548 1.2508 1.4068 1.4058 1.2488 1.24	2472
XSI-2022-20 1 1/4 1 13/32 1 1/4 1.2548 1.2508 1.4068 1.4058 1.2488 1.24	2472
XSI-2426-12 1 1/2 1 21/32 3/4 1.5048 1.6568 1.6558 1.4988 1.4988	4972
XSI-2426-16 1 1/2 1 1.5048 1.608 1.6558 1.4988 1.4988	4972
XSI-2426-24 1 1/2 1 1/2 1.5048 1.6568 1.6558 1.4988 1.4988	4972
XSI-2629-20 1 5/8 1 25/32 1 1/4 1.6297 1.6258 1.7818 1.7808 1.6238 1.62	6222
XSI-2831-16 1 3/4 1 15/16 1 1.7547 1.7507 1.9381 1.9371 1.7487 1.74	7471
	9969
	9969
XSI-3639-32 2 1/4 2 7/16 2 2.2577 2.2531 2.4377 2.4365 2.2507 2.25	2489
XSI-4447-32 2 3/4 2 15/16 2 2.7570 2.7523 2.9370 2.9358 2.7500 2.74	7490

* after pressfit. Testing methods ► page 75

Flange bearing





1

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

Chamfer in relation to the d1 di lle - 1- 1 a 0 0 4 0 0 0 0 0 0

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

1

Dimensions [Inch]

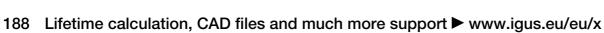
Part number	d1	d2	b1	d3	b2	ď	1*	Housin	g bore	Shaf	size
						max.	min.	max.	min.	max.	min.
XFI-0203-03	1/8	3/16	3/16	.312	.032	.1269	.1251	.1878	.1873	.1243	.1236
XFI-0203-06	1/8	3/16	3/8	.312	.032	.1269	.1251	.1878	.1873	.1243	.1236
XFI-0304-04	3/16	1/4	1/4	.375	.032	.1892	.1873	.2503	.2497	.1865	.1858
XFI-0304-06	3/16	1/4	3/8	.375	.032	.1892	.1873	.2503	.2497	.1865	.1858
XFI-0304-08	3/16	1/4	1/2	.375	.032	.1892	.1873	.2503	.2497	.1865	.1858
XFI-0405-03	1/4	5/16	3/16	.500	.032	.2521	.2498	.3128	.3122	.2490	.2481
XFI-0405-04	1/4	5/16	1/4	.500	.032	.2521	.2498	.3128	.3122	.2490	.2481
XFI-0405-06	1/4	5/16	3/8	.500	.032	.2521	.2498	.3128	.3122	.2490	.2481
XFI-0405-08	1/4	5/16	1/2	.500	.032	.2521	.2498	.3128	.3122	.2490	.2481
XFI-0405-12	1/4	5/16	3/4	.500	.032	.2521	.2498	.3128	.3122	.2490	.2481
XFI-0506-04	5/16	3/8	1/4	.562	.032	.3148	.3125	.3753	.3747	.3115	.3106
XFI-0506-06	5/16	3/8	3/8	.562	.032	.3148	.3125	.3753	.3747	.3115	.3106
XFI-0506-08	5/16	3/8	1/2	.562	.032	.3148	.3125	.3753	.3747	.3115	.3106
XFI-0607-04	3/8	15/32	1/4	.687	.046	.3773	.3750	.4691	.4684	.3740	.3731
XFI-0607-06	3/8	15/32	3/8	.687	.046	.3773	.3750	.4691	.4684	.3740	.3731
XFI-0607-08	3/8	15/32	1/2	.687	.046	.3773	.3750	.4691	.4684	.3740	.3731
XFI-0607-12	3/8	15/32	3/4	.687	.046	.3773	.3750	.4691	.4684	.3740	.3731
XFI-0708-08	7/16	17/32	1/2	.750	.046	.4406	.4379	.5316	.5309	.4365	.4355
XFI-0809-04	1/2	19/32	1/4	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980
XFI-0809-06	1/2	19/32	3/8	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980
XFI-0809-08	1/2	19/32	1/2	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980
XFI-0809-12	1/2	19/32	3/4	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980
XFI-0809-16	1/2	19/32	1	.875	.046	.5030	.5003	.5941	.5934	.4990	.4980
XFI-1011-08	5/8	23/32	1/2	.937	.046	.6280	.6253	.7192	.7184	.6240	.6230
XFI-1011-12	5/8	23/32	3/4	.937	.046	.6280	.6253	.7192	.7184	.6240	.6230

* after pressfit. Testing methods ▶ page 75



delivery from stock time

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Flange bearing

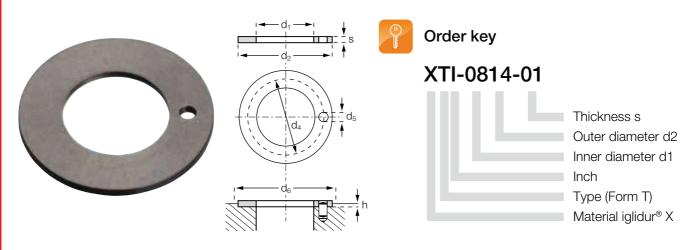
Dimensions [Inch]

Part number	d1	d2	b1	d3	b2	ď	1*	Housir	ng bore	Shaf	t size
						max.	min.	max.	min.	max.	min.
XFI-1011-16	5/8	23/32	1	.937	.046	.6280	.6253	.7192	.7184	.6240	.6230
XFI-1011-24	5/8	23/32	1 1/2	.937	.046	.6280	.6253	.7192	.7184	.6240	.6230
XFI-1214-08	3/4	7/8	1/2	1.125	.062	.7541	.7507	.8755	.8747	.7491	.7479
XFI-1214-12	3/4	7/8	3/4	1.125	.062	.7541	.7507	.8755	.8747	.7491	.7479
XFI-1214-16	3/4	7/8	1	1.125	.062	.7541	.7507	.8755	.8747	.7491	.7479
XFI-1214-28	3/4	7/8	1 3/4	1.125	.062	.7541	.7507	.8755	.8747	.7491	.7479
XFI-1416-12	7/8	1	3/4	1.250	.062	.8791	.8757	1.0005	.9997	.8741	.8729
XFI-1416-16	7/8	1	1	1.250	.062	.8791	.8757	1.0005	.9997	.8741	.8729
XFI-1618-08	1	1 1/8	1/2	1.375	.062	1.0041	1.0007	1.1255	1.1247	.9991	.9979
XFI-1618-12	1	1 1/8	3/4	1.375	.062	1.0041	1.0007	1.1255	1.1247	.9991	.9979
XFI-1618-16	1	1 1/8	1	1.375	.062	1.0041	1.0007	1.1255	1.1247	.9991	.9979
XFI-1618-24	1	1 1/8	1 1/2	1.375	.062	1.0041	1.0007	1.1255	1.1247	.9991	.9979
XFI-1820-12	1 1/8	1 9/32	3/4	1.562	.078	1.1288	1.1254	1.2818	1.2808	1.1238	1.1226
XFI-2022-20	1 1/4	1 13/32	1 1/4	1.687	.078	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
XFI-2022-32	1 1/4	1 13/32	2	1.687	.078	1.2548	1.2508	1.4068	1.4058	1.2488	1.2472
XFI-2426-12	1 1/2	1 21/32	3/4	2.000	.078	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
XFI-2426-16	1 1/2	1 21/32	1	2.000	.078	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
XFI-2426-24	1 1/2	1 21/32	1 1/2	2.000	.078	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
XFI-2426-26	1 1/2	1 21/32	1 5/8	2.000	.078	1.5048	1.5008	1.6568	1.6558	1.4988	1.4972
XFI-2831-16	1 3/4	1 15/16	1	2.375	.093	1.7547	1.7507	1.9381	1.9371	1.7487	1.7471
XFI-3235-32	2	2 3/16	2	2.625	.093	2.0057	2.0011	2.1883	2.1871	1.9981	1.9969
XFI-4447-32	2 3/4	2 15/16	2	3.375	.093	2.7570	2.7523	2.9370	2.9358	2.7500	2.7490

* after pressfit. Testing methods ► page 75



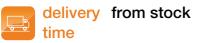
Thrust washer



Dimensions according to ISO 3547-1 and special dimensions

Dimensions [Inch]

Part number	d1	d2	s	d4	d5	h	d6
	+.010	010	0020	±.005	.015 + .005	+.008	+.005
XTI-0814-01	.500	.875	.0585	.692	.067	.040	.875
XTI-1018-01	.625	1.125	.0585	.880	.099	.040	1.125
XTI-1220-01	.750	1.250	.0585	1.005	.099	.040	1.250
XTI-1424-01	.875	1.500	.0585	1.192	.130	.040	1.500
XTI-1628-01	1.000	1.750	.0585	1.380	.130	.040	1.750
XTI-1826-01	1.125	1.625	.0585	-	_	.040	1.625
XTI-2034-01	1.250	2.125	.0585	1.692	.161	.040	2.125
XTI-2440-01	1.500	2.500	.0585	2.005	.192	.040	2.500
XTI-2844-01	1.750	2.750	.0585	2.255	.192	.040	2.750
XTI-3248-01	2.000	3.000	.0895	2.505	.192	.070	3.000





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 M43435 TY 2 SZ 3 FIN C BLK
 M43435 TY 5 SZ 3 FIN C NAT
 M-5Z
 M6816
 660-29ABT1

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 671-GP-04-KT39-73207
 CW307-01A
 CW30901A
 CW6211201A
 690191-1
 690317

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 691409-4
 690191-4
 690191-3
 690317