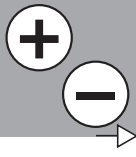


iglidur® X

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iglidur® X – The High-Tech Problem Solver



- 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 | The High-Tech Problem Solver

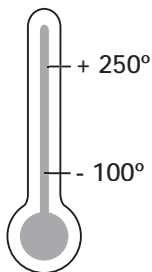
iglidur® X is defined by its combination of high temperature resistance with compressive strength, along with high resistance to chemicals. iglidur® X is designed for higher speeds than other iglidur® bearings.

iglidur® X

3 styles
> 250 dimensions
Ø 2-75 mm



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Price index



The High-Tech Problem Solver



When to use iglidur® X plain bearings:

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



When not to use iglidur® X plain bearings:

- For very low wear at high loads
▶ iglidur® Q (chapter 18), Z (chapter 22)
- For underwater applications
▶ iglidur® H (chapter 12), H370 (chapter 15)
- For edge pressure
▶ iglidur® Z (chapter 22)



Picture 6.1: High temperature resistant and maintenance free



Picture 6.2: Battery filling



Material Table

General Properties	Unit	iglidur® X	Testing Method
Density	g/cm ³	1,44	
Colour		Black	
Max. moisture absorption at 23°C / 50% r.F.	% weight	0,1	DIN 53495
Max. moisture absorption	% weight	0,5	
Coefficient of sliding friction, dynamic against steel	μ	0,09 - 0,27	
p x v value, max. (dry)	MPa x 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. recommended 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 x K	0,6	ASTM C 177
Coefficient of thermal expansion (to 23°C)	K ⁻¹ x 10 ⁻⁵	5	DIN 53752

Electrical Properties

Specific volume resistance	Ωcm	< 10 ⁵	DIN IEC 93
Surface resistance	Ω	< 10 ³	DIN 53482

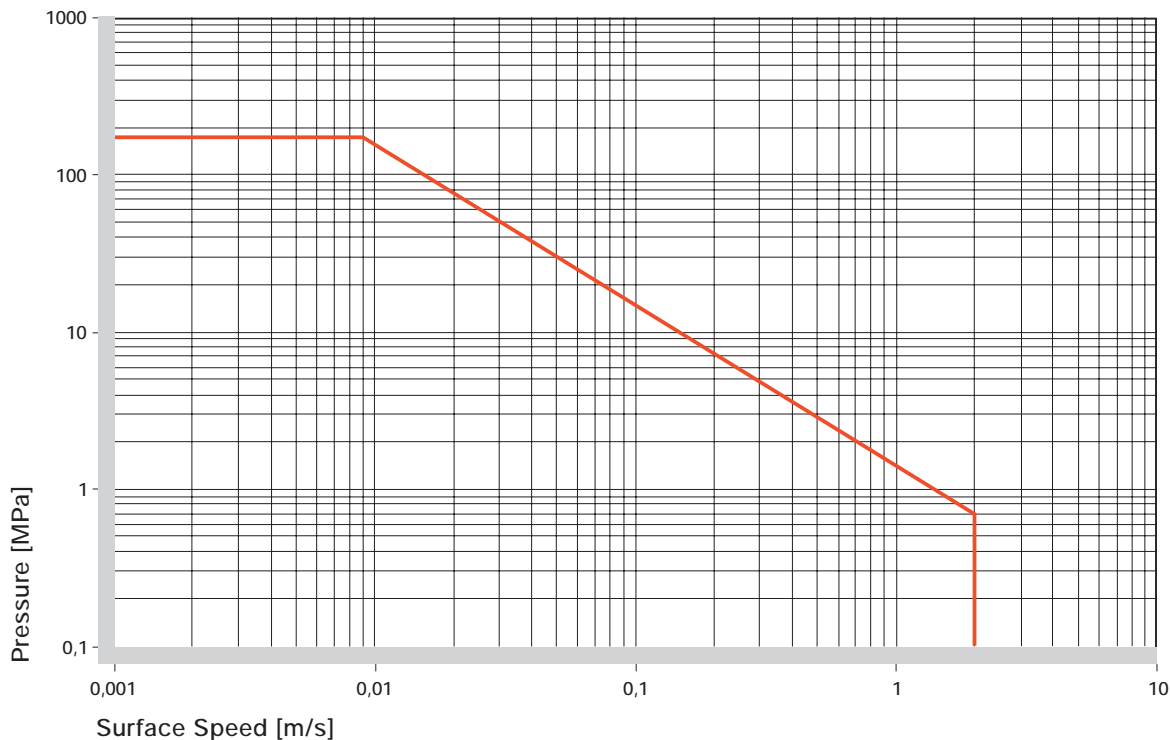
Table 6.1: Material Data



Picture 6.3: Flaps, valves with iglidur® X, high temperatures



Picture 6.4: Catering equipment



Graph. 6.1: Permissible p x v values for iglidur® X running dry against a steel shaft, at 20°C

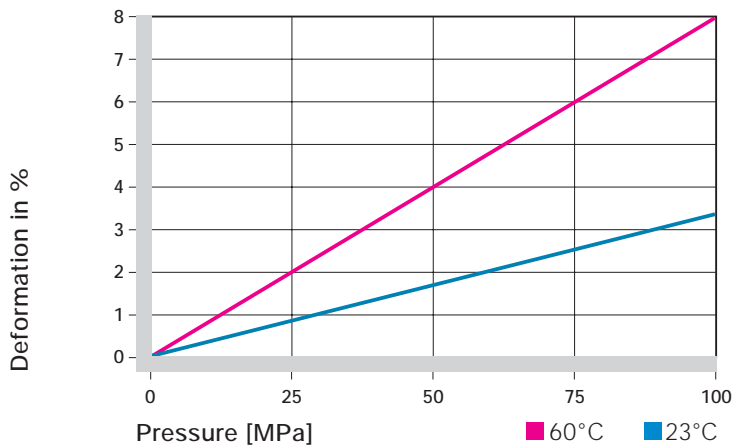
+

-

i

mm

Inch



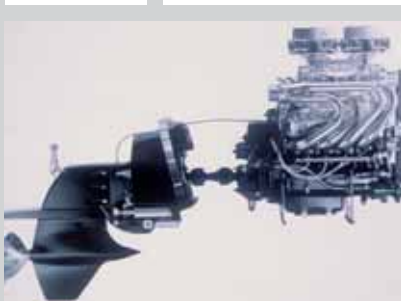
Graph 6.2: Deformation under pressure and temperature

m/s	Rotating	Oscillating	Linear
Continuous	1,5	1,1	5
Short term	3,5	2,5	10

Table 6.2: Maximum surface speeds

iglidur® X	Application Temperature
Minimum	- 100 °C
Max., long term	+ 250 °C
Max., short term	+ 315 °C

Table 6.3: Temperature limits for iglidur® X



Picture 6.5: Application on an inboard engine

iglidur® X has an excellent combination of high temperature resistance, high compressive strength, and excellent resistance to chemicals.

Surface Pressure

Graph 6.2 shows how iglidur® X plain bearings deform elastically under load. Graph 6.1 on the preceding page shows the maximum p x v values at room temperature. In this case, the compressive strength of iglidur® X even measures up to that of steel.

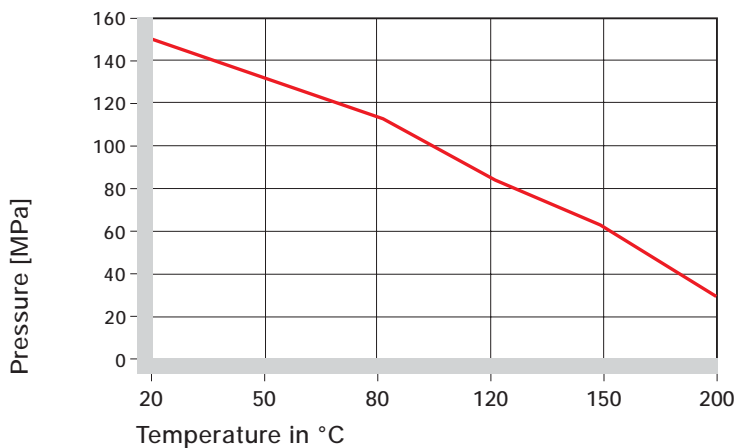
Graph 6.3 shows the special compression resistance of iglidur® X at very high temperatures. Even at the highest long term application temperature of 250°C iglidur® X plain bearings still withstand a surface pressure of approximately 30 MPa.

- Graph 6.2
- Surface Pressure, page 1.18

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 x 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 1.20
- p x v value, page 1.22



Graph 6.3: Recommended maximum surface pressure of iglidur® X as a function of temperature



Temperature

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.

- ☑ Graphs 6.3 and 6.4
- ▶ Application Temperatures, page 1.23

Friction and Wear

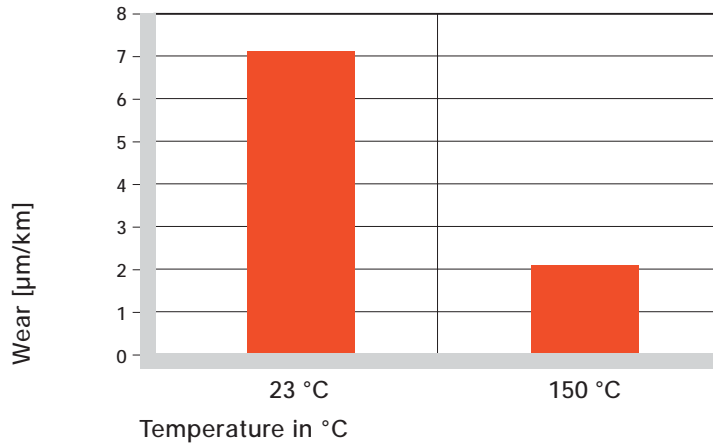
Similar to wear resistance, the coefficient of friction also changes with the load. The coefficient of friction increases with an increase in surface speed. On the other hand, an increased load has an inverse effect: the coefficient of friction decreases (see Graphs 6.5 and 6.6). This explains the excellent performance of iglidur® X plain bearings for high loads.

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 are ideal.

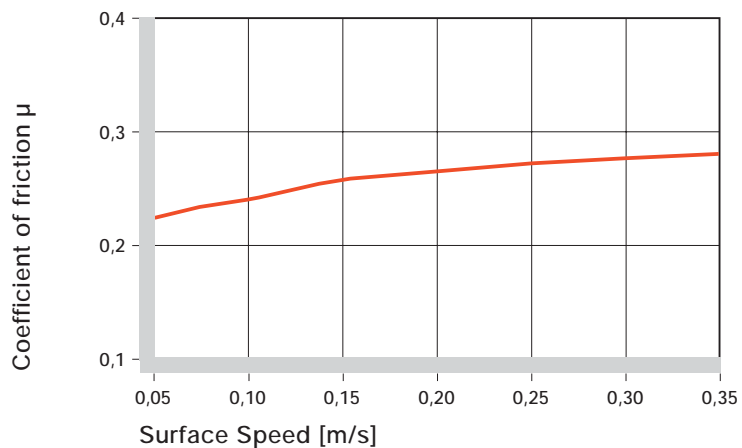
- ☑ Graphs 6.5 to 6.7
- ▶ Coefficients of Friction and Surfaces, page 1.25
- ▶ Wear Resistance, page 1.26

iglidur®X	Dry	Grease	Oil	Water
C.o.f. [μ]	0,09 - 0,27	0,09	0,04	0,04

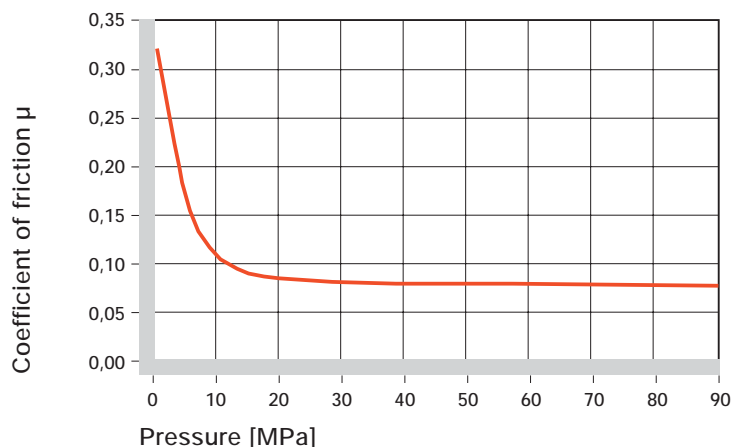
Table 6.4: Coefficient of friction for iglidur® X against steel (Ra = 1μm, 50 HRC)



Graph 6.4: Wear of iglidur® X, rotation with p = 0.75 MPa, v = 0.5 m/s, Cf53 hardened and ground steel shaft



Graph 6.5: Coefficient of friction for iglidur® X as a function of the surface speed; p = 0.75 MPa, Cf53 hardened and ground steel shaft

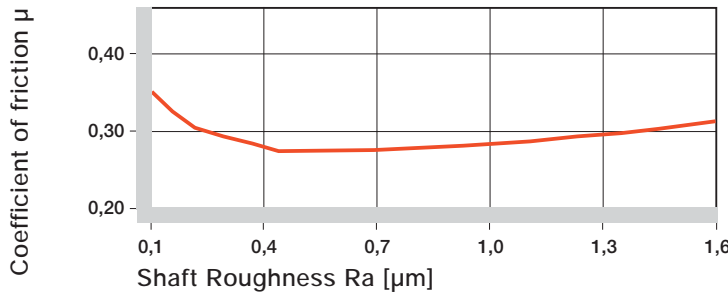


Graph 6.6: Coefficient of friction for iglidur® X as a function of the pressure, v = 0.01 m/s

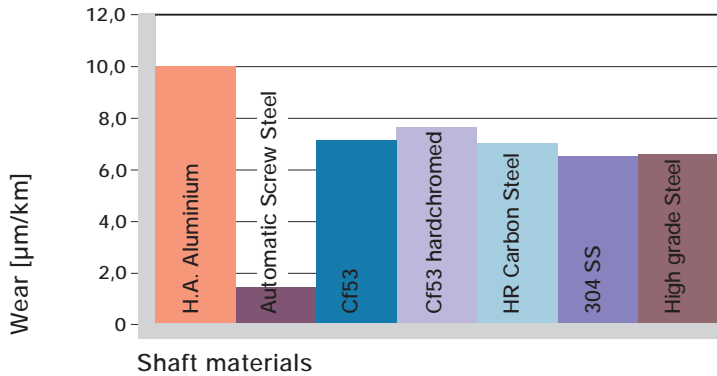
iglidur® X

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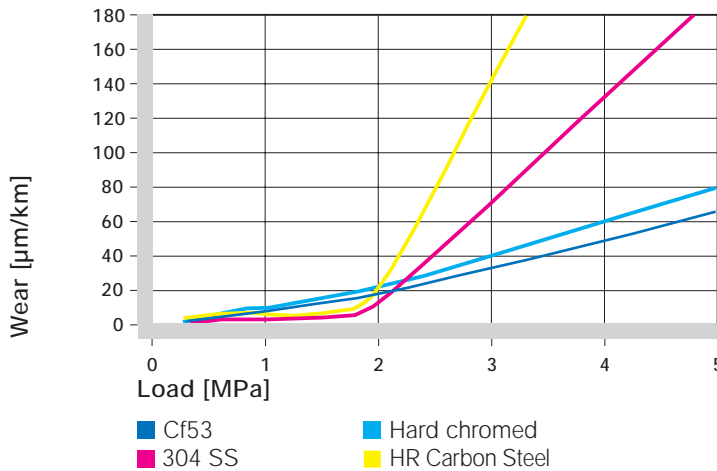




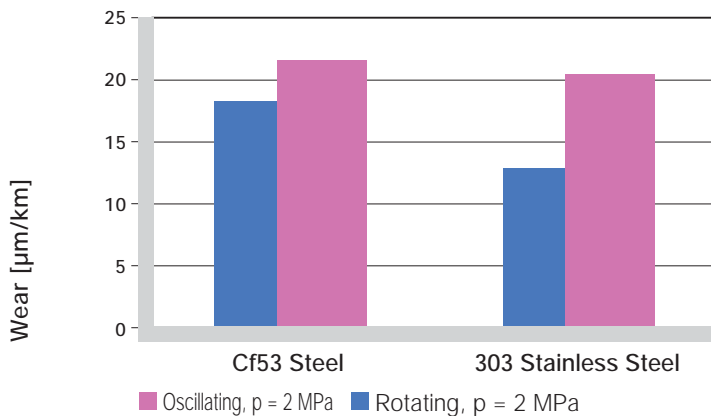
Graph 6.7: Coefficients of friction as a function of the shaft surface (Cf53 hardened and ground steel shaft)



Graph 6.8: Wear of iglidur® X with different shaft materials, $p = 0.75 \text{ MPa}$, $v = 0.5 \text{ m/s}$



Graph 6.9: Wear of iglidur® X with different shaft materials



Graph 6.10: Wear for oscillating and rotating applications ($p = 2 \text{ MPa}$) with different shaft materials

Shaft Materials

Graphs 6.7 and 6.8 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 are advantageous. 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.

- Graphs 6.8 to 6.10
- ▶ Shaft Materials, pages 1.28

Installation Tolerances

iglidur® X plain bearings are meant to be oversized before pressfit. The bearings are designed for pressfit into a housing machined to a H7 tolerance. After being assembled into a nominal size housing, the inner diameter adjusts to meet our specified tolerances. Please adhere to the catalogue specifications for housing bore and recommended shaft sizes. This will help to ensure optimal performance of iglidur® plain bearings. Please contact an iglidur® technical expert if you have any question.

- ▶ Testing Methods, page 1.32/1.33

Chemical Resistance

iglidur® X plain bearings have almost universal chemical resistance.

The material is only attacked by concentrated nitric acid and by sulphuric acid with acidity levels over 65%. The list at the end of this catalogue provides more comprehensive detailed information.

- Graph 6.11
- ▶ Chemical Table, pages 70.1



Radiation Resistance

Plain bearings made from iglidur® X are resistant to radiation up to an intensity of 1×10^5 Gy. iglidur® X is the most radioactive resistant material of the iglidur® product line. iglidur® X is extremely resistant to hard gamma radiation and withstands a radiation dose of 1000 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.

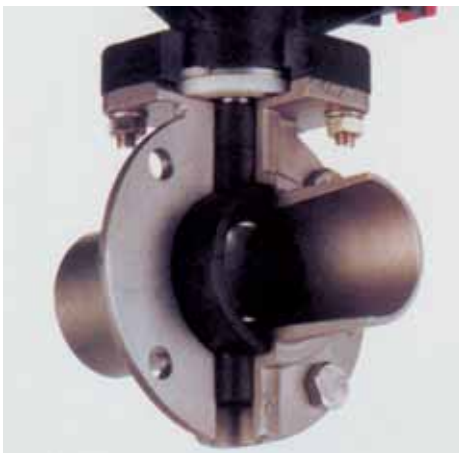
Vacuum

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 electrically conductive.

Application Example



Picture 6.6: iglidur® X plain bearing in a valve

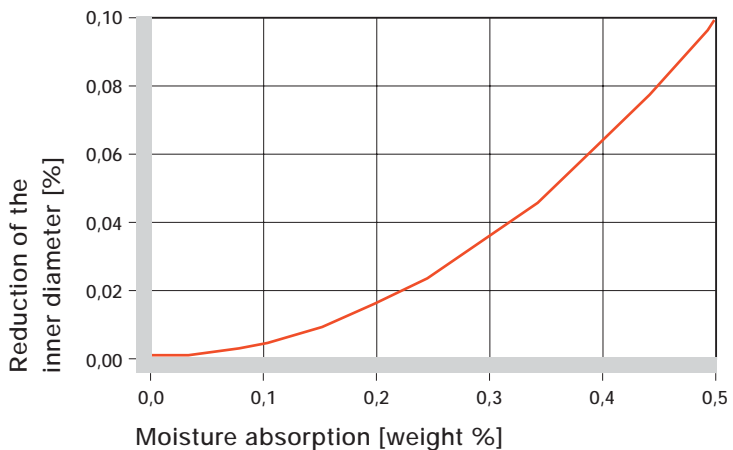
Diameter d1 [mm]	Shaft h9 [mm]	iglidur® X F10 [mm]
up to 3	0 - 0,025	+0,006 + 0,046
> 3 to 6	0 - 0,030	+0,010 + 0,058
> 6 to 10	0 - 0,036	+0,013 + 0,071
> 10 to 18	0 - 0,043	+0,016 + 0,086
> 18 to 30	0 - 0,052	+0,020 + 0,104
> 30 to 50	0 - 0,062	+0,025 + 0,125
> 50 to 80	0 - 0,074	+0,030 + 0,150

Table 6.5: Essential tolerances for iglidur® X plain bearings according to ISO 3547-1 after pressfit

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

Table 6.6: Chemical resistance of iglidur® X – detailed list, page 70.1

+ resistant 0 conditionally resistant – not resistant
All data given at room temperature [20°C]



Graph 6.11: Effect of moisture absorption on iglidur® X plain bearings

iglidur® X	
Specific volume resistance	< $10^5 \Omega\text{cm}$
Surface resistance	< $10^3 \Omega$

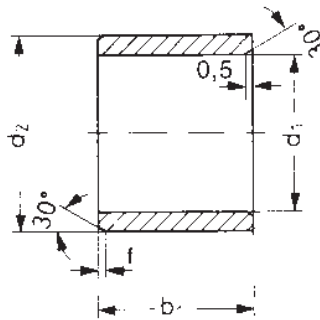
Table 6.7: Electrical properties of iglidur® X

iglidur® X

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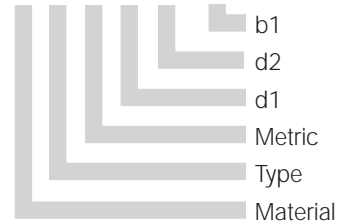


iglidur® X | Sleeve Bearing | mm



Data in mm

Structure – part no.
X S M-0203-03



Chamfer in relation to the d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

Dimensions according to ISO 3547-1
and special dimensions

Part Number	d1	d1 Tolerance*	d2	b1 h13	Part Number	d1	d1 Tolerance*	d2	b1 h13
XSM-0203-03	2,0	+0,006 +0,046	3,5	3,0	XSM-1618-15	16,0	+0,016 +0,086	18,0	15,0
XSM-0304-03	3,0	+0,006 +0,046	4,5	3,0	XSM-1618-20	16,0	+0,016 +0,086	18,0	20,0
XSM-0304-06	3,0	+0,006 +0,046	4,5	6,0	XSM-1618-35	16,0	+0,016 +0,086	18,0	35,0
XSM-0405-04	4,0	+0,010 +0,058	5,5	4,0	XSM-1719-20	17,0	+0,016 +0,086	19,0	20,0
XSM-0507-035	5,0	+0,010 +0,058	7,0	3,5	XSM-1820-15	18,0	+0,016 +0,086	20,0	15,0
XSM-0507-05	5,0	+0,010 +0,058	7,0	5,0	XSM-1820-20	18,0	+0,016 +0,086	20,0	20,0
XSM-0507-08	5,0	+0,010 +0,058	7,0	8,0	XSM-2022-140	20,0	+0,020 +0,104	22,0	14,0
XSM-0608-06	6,0	+0,010 +0,058	8,0	6,0	XSM-2022-145	20,0	+0,020 +0,104	22,0	14,5
XSM-0608-08	6,0	+0,010 +0,058	8,0	8,0	XSM-2022-18	20,0	+0,020 +0,104	22,0	18,0
XSM-0608-10	6,0	+0,010 +0,058	8,0	10,0	XSM-2022-20	20,0	+0,020 +0,104	22,0	20,0
XSM-0608-13	6,0	+0,010 +0,058	8,0	13,8	XSM-2023-07	20,0	+0,020 +0,104	23,0	7,0
XSM-0709-12	7,0	+0,013 +0,071	9,0	12,0	XSM-2023-10	20,0	+0,020 +0,104	23,0	10,0
XSM-0810-06	8,0	+0,013 +0,071	10,0	6,0	XSM-2023-15	20,0	+0,020 +0,104	23,0	15,0
XSM-0810-08	8,0	+0,013 +0,071	10,0	8,0	XSM-2023-20	20,0	+0,020 +0,104	23,0	20,0
XSM-0810-10	8,0	+0,013 +0,071	10,0	10,0	XSM-2023-25	20,0	+0,020 +0,104	23,0	25,0
XSM-0810-12	8,0	+0,013 +0,071	10,0	12,0	XSM-2023-30	20,0	+0,020 +0,104	23,0	30,0
XSM-0810-15	8,0	+0,013 +0,071	10,0	15,0	XSM-2225-15	22,0	+0,020 +0,104	25,0	15,0
XSM-1012-06	10,0	+0,013 +0,071	12,0	6,0	XSM-2225-20	22,0	+0,020 +0,104	25,0	20,0
XSM-1012-08	10,0	+0,013 +0,071	12,0	8,0	XSM-2426-20	24,0	+0,020 +0,104	26,0	20,0
XSM-1012-10	10,0	+0,013 +0,071	12,0	10,0	XSM-2427-20	24,0	+0,020 +0,104	27,0	20,0
XSM-1012-20	10,0	+0,013 +0,071	12,0	20,0	XSM-2528-077	25,0	+0,020 +0,104	28,0	7,7
XSM-1214-035	12,0	+0,016 +0,086	14,0	3,5	XSM-2528-09	25,0	+0,020 +0,104	28,0	9,0
XSM-1214-06	12,0	+0,016 +0,086	14,0	6,0	XSM-2528-12	25,0	+0,020 +0,104	28,0	12,0
XSM-1214-08	12,0	+0,016 +0,086	14,0	8,0	XSM-2528-13	25,0	+0,020 +0,104	28,0	13,0
XSM-1214-10	12,0	+0,016 +0,086	14,0	10,0	XSM-2528-15	25,0	+0,020 +0,104	28,0	15,0
XSM-1214-12	12,0	+0,016 +0,086	14,0	12,0	XSM-2528-20	25,0	+0,020 +0,104	28,0	20,0
XSM-1214-15	12,0	+0,016 +0,086	14,0	15,0	XSM-2528-30	25,0	+0,020 +0,104	28,0	30,0
XSM-1214-20	12,0	+0,016 +0,086	14,0	20,0	XSM-2730-05	27,0	+0,020 +0,104	30,0	5,7
XSM-1416-12	14,0	+0,016 +0,086	16,0	12,0	XSM-2832-20	28,0	+0,020 +0,104	32,0	20,0
XSM-1416-15	14,0	+0,016 +0,086	16,0	15,0	XSM-2832-30	28,0	+0,020 +0,104	32,0	30,0
XSM-1416-20	14,0	+0,016 +0,086	16,0	20,0	XSM-3034-20	30,0	+0,020 +0,104	34,0	20,0
XSM-1517-10	15,0	+0,016 +0,086	17,0	10,0	XSM-3034-25	30,0	+0,020 +0,104	34,0	25,0
XSM-1517-15	15,0	+0,016 +0,086	17,0	15,0	XSM-3034-30	30,0	+0,020 +0,104	34,0	30,0
XSM-1517-20	15,0	+0,016 +0,086	17,0	20,0	XSM-3034-40	30,0	+0,020 +0,104	34,0	40,0
XSM-1618-10	16,0	+0,016 +0,086	18,0	10,0	XSM-3236-25	32,0	+0,025 +0,125	36,0	25,0
XSM-1618-12	16,0	+0,016 +0,086	18,0	12,0	XSM-3236-30	32,0	+0,025 +0,125	36,0	30,0

*after pressfit. Testing methods ► page 1.32/1.33

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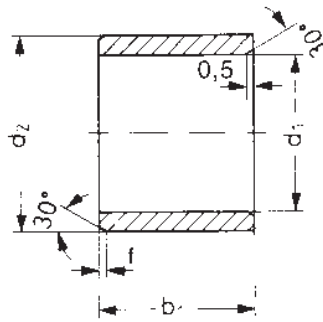
iglus® UK Ltd

Internet www.igus.co.uk
E-mail sales_uk@igus.co.uk

mm

iglidur® X – Type S

iglidur® X | Sleeve Bearing | mm



Data in mm

Structure - part no.
X S M-3539-20



Chamfer in relation to the d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

Dimensions according to ISO 3547-1 and special dimensions

Part Number	d1	d1 Tolerance*	d2	b1 h13
XSM-3539-20	35,0	+0,025 +0,125	39,0	20,0
XSM-3539-30	35,0	+0,025 +0,125	39,0	30,0
XSM-3539-40	35,0	+0,025 +0,125	39,0	40,0
XSM-3539-50	35,0	+0,025 +0,125	39,0	50,0
XSM-4044-30	40,0	+0,025 +0,125	44,0	30,0
XSM-4044-40	40,0	+0,025 +0,125	44,0	40,0
XSM-4044-50	40,0	+0,025 +0,125	44,0	50,0
XSM-4550-50	45,0	+0,025 +0,125	50,0	50,0
XSM-5055-30	50,0	+0,025 +0,125	55,0	30,0
XSM-5055-40	50,0	+0,025 +0,125	55,0	40,0
XSM-5055-60	50,0	+0,025 +0,125	55,0	60,0
XSM-5560-50	55,0	+0,030 +0,150	60,0	50,0
XSM-6065-45	60,0	+0,030 +0,150	65,0	45,0
XSM-6065-60	60,0	+0,030 +0,150	65,0	60,0
XSM-6570-50	65,0	+0,030 +0,150	70,0	50,0
XSM-7075-70	70,0	+0,030 +0,150	75,0	70,0

*after pressfit. Testing methods ► page 1.32/1.33



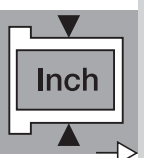
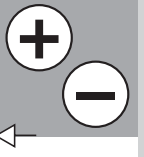
The extreme resistance to chemicals was decisive for the application of iglidur® X bearings in flange ball valves.

Lifetime calculation, CAD files and much more support ► www.igus.co.uk/en/x



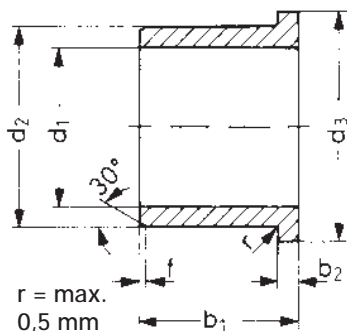
iglidur® X - Type S
mm

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Fax +44 (0) 1604 - 67 72 45





iglidur® X | Flange Bearing | mm



Data in mm

Structure - part no.
X F M-0304-05



Chamfer in relation to the d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

Dimensions according to ISO 3547-1 and special dimensions

Part Number	d1	d1 Tolerance*	d2	d3 d13	b1 h13	b2 -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-060812-20	6,0	+0,006 +0,046	8,0	12,0	20,0	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-1012-06	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	18,0	22,0	1,0
XFM-1214-055	12,0	+0,016 +0,086	14,0	20,0	5,5	1,0
XFM-121418-059	12,0	+0,016 +0,086	14,0	18,0	5,9	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
XFM-121418-039	12,0	+0,016 +0,086	14,0	18,0	3,9	1,0
XFM-1416-10	14,0	+0,016 +0,086	16,0	22,0	10,0	1,0
XFM-1416-12	14,0	+0,016 +0,086	16,0	22,0	12,0	1,0
XFM-1416-17	14,0	+0,016 +0,086	16,0	22,0	17,0	1,0
XFM-1517-06	15,0	+0,015 +0,086	17,0	23,0	6,0	1,0
XFM-1517-12	15,0	+0,016 +0,086	17,0	23,0	12,0	1,0
XFM-1517-17	15,0	+0,016 +0,086	17,0	23,0	17,0	1,0
XFM-1618-12	16,0	+0,016 +0,086	18,0	24,0	12,0	1,0
XFM-1618-17	16,0	+0,016 +0,086	18,0	24,0	17,0	1,0
XFM-1820-12	18,0	+0,016 +0,086	20,0	26,0	12,0	1,0
XFM-1820-17	18,0	+0,016 +0,086	20,0	26,0	17,0	1,0
XFM-2023-075	20,0	+0,020 +0,104	23,0	30,0	7,5	1,5
XFM-2023-11	20,0	+0,020 +0,104	23,0	30,0	11,0	1,5

*after pressfit. Testing methods ► page 1.32/1.33

Lifetime calculation, CAD files and much more support ► www.igus.co.uk/en/x

mm

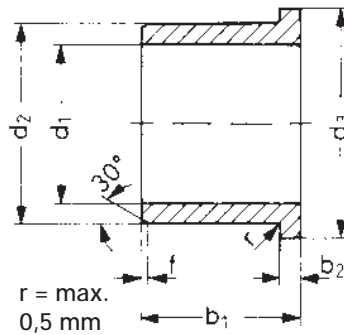
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Data in mm

Structure - part no.
X F M-2023-16



Chamfer in relation to the d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

Dimensions according to ISO 3547-1 and special dimensions

Part Number	d1	d1 Tolerance*	d2	d3 d13	b1 h13	b2 -0,14
XFM-2023-16	20,0	+0,020 +0,104	23,0	30,0	16,5	1,5
XFM-2023-21	20,0	+0,020 +0,104	23,0	30,0	21,5	1,5
XFM-2528-13	25,0	+0,020 +0,104	28,0	35,0	13,5	1,5
XFM-2528-21	25,0	+0,020 +0,104	28,0	35,0	21,0	1,5
XFM-252833-08	25,0	+0,020 +0,104	28,0	33,0	8,0	1,0
XFM-2730-20	27,0	+0,020 +0,104	30,0	38,0	20,0	1,5
XFM-3034-16	30,0	+0,020 +0,104	34,0	42,0	16,0	2,0
XFM-3034-26	30,0	+0,020 +0,104	34,0	42,0	26,0	2,0
XFM-3034-40	30,0	+0,020 +0,104	34,0	42,0	40,0	2,0
XFM-3236-15	32,0	+0,025 +0,125	36,0	45,0	15,0	2,0
XFM-3236-26	32,0	+0,025 +0,125	36,0	45,0	26,0	2,0
XFM-3539-26	35,0	+0,025 +0,125	39,0	47,0	26,0	2,0
XFM-4044-30	40,0	+0,025 +0,125	44,0	52,0	30,0	2,0
XFM-4044-40	40,0	+0,025 +0,125	44,0	52,0	40,0	2,0
XFM-4550-50	45,0	+0,025 +0,125	50,0	58,0	50,0	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-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 1.32/1.33



Order example

Type S Type F Type T

Our price breaks are defined by the order quantity.

1- 9	50- 99	500- 999
10-24	100-199	1000-2499
25-49	200-499	2500-4999

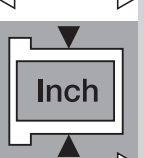
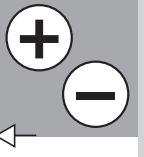
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No minimum order quantities, no surcharges.



iglidur® X - Type F
mm

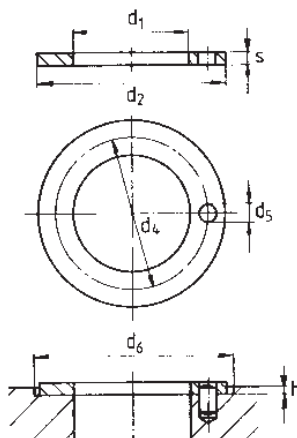
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Data in inches

Structure - part no.

X T M-0620-015



inch

iglidur® X - Type T

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Fax +44 (0) 16 04 - 67 72 45

igus® UK Ltd

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Dimensions according to ISO 3547-1 and special dimensions

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
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-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-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-3254-015	32,0	54,0	1,5	38,0	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