

iglidur® bar stock

iglidur® materials as round bars, tubes and plates

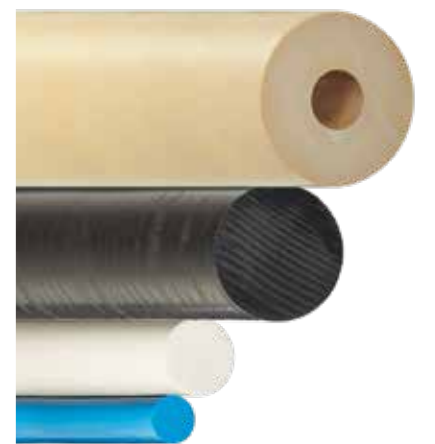
Fast and cost-effective

Cut to required size

Machining with no minimum order quantity

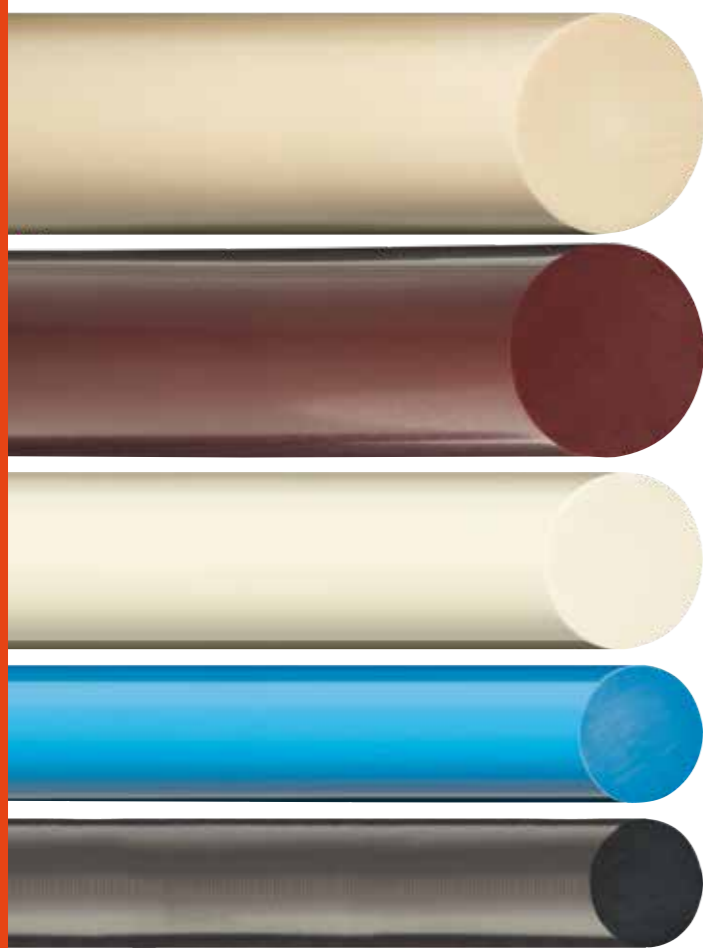
Maintenance-free and predictable

Standard range from stock



iglidur® bar stock | Advantages


Round bars and plates for free design





Bar stock made from technical plastic: iglidur® in one piece


iglidur® plastic bar stock enables the cost-effective production of components for moving applications and are ideal for the production of prototypes and small to medium-volume production requirements. Plates, round and hollow bars made of a wider range of different iglidur® high-performance polymers are available from stock. Due to its properties, every material becomes suitable for a specific application. For example, there is suitable iglidur® bar stock for almost every application from high-temperature to seawater, from food to automotive. All iglidur® materials have been specially developed for dynamic applications, and have low coefficient of friction and wear.


- iglidur® plastic bar stock from stock or ready-machined components and special sizes in 3 to 5 days
- Lubrication and maintenance-free
- Easy to machine – ask for tips
- Tribologically optimised plastic bar stock as round bars, tubes and plates
- Service life can now also be calculated for machined plain bearings made from iglidur® plastic bar stock
- No minimum order value
- No minimum order quantity


 **Available from stock**
Detailed information about delivery time online. Further materials and dimensions upon request.

 **Operation temperatures:**
-50°C up to +90°C (standard iglidur® J)
-100°C up to +250°C (depending on material)

 **30 materials**
Round bars: Ø 10–100mm
Plate thickness: † 2–50mm
Tubes: up to 150mm outer Ø

 igus® constantly expands its range of available materials and dimensions. Check the current stock online ► www.igus.eu/barstock

 In addition to bar stock, we will also gladly offer you mechanical processing in line with a drawing.

 **Service life calculation**
► www.igus.eu/barstock-expert

662 Product finder online ► www.igus.eu/barstock-finder



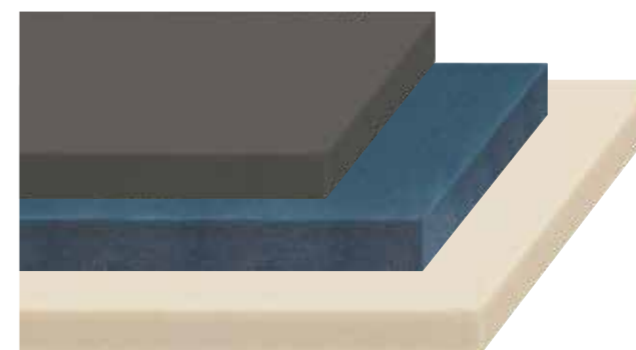
iglidur® bar stock | Product overview

Round bars and plates for free design



iglidur® round bars

- Currently 28 iglidur® materials to choose from
 - Outer diameter 10–100mm
 - Excellent wear rates and coefficient of friction
- From page 668



iglidur® plates

- Versatile application options
 - Plate thickness 2–40mm
- From page 683



iglidur® tubes

- Large outer diameters 110–150mm
 - Low wear against different shaft materials
- From page 682



speedicut: Machined parts and cutting

- Special parts according to customer request
 - Prototypes available in a matter of days
- From page 689

Find & compare bar stock

This material finder helps you find the right iglidur® material for your project with a few clicks!
► www.igus.eu/barstock-finder

Your requirements

- Maximum holding times in dry operation
- Low coefficients of friction
- Dirt resistant
- High resistance to chemicals
- Vibration dampening
- Good in misalignment
- Low moisture absorption
- Underwater application
- FDA compatible/ Foodstuff
- cost effective

Max. static surface pressure (23°C): 0 Mpa
Upper long-term application temperature: 80 °C
Lower application temperature: -10 °C

metric imperial

iglidur® materials suited for you:

iglidur® A110	iglidur® A130	iglidur® A181	iglidur® A300	iglidur® A500
iglidur® C000	iglidur® F1	iglidur® H1	iglidur® H0000	iglidur® J
iglidur® J1	iglidur® J200	iglidur® J3	iglidur® J200	iglidur® J
iglidur® J1	iglidur® J2	iglidur® M200	iglidur® P 210	iglidur® R
iglidur® RW370	iglidur® T220	iglidur® LW100	iglidur® W300	iglidur® X

iglidur® material with best suitability iglidur® material with good suitability

Service life calculation online ► www.igus.eu/barstock-expert 663



iglidur® materials | Technical properties – quick selection

iglidur®	M250	P210	J4	GLW	J	W300	J3	J350	J260	R	J200	JB	E7
Technical specifications													
Wear resistance at +23°C	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
Wear resistance at +90°C	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
Wear resistance at +150°C	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
Low coefficient of friction	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
Low moisture absorption	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
Wear resistance under water	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
High media resistance	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
Resistant to edge loads	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
Suitable for shock and impact loads	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
Resistant to dirt	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
Price index ¹⁴¹⁾	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
For high loads (>60MPa)				●				●					
Electrically conductive													
Approvals and standards													
FDA-compliant													
EU 10/2011-compliant													
Fire class in accordance with UL-94	V-2	HB	F	HB	HB	HB	HB	V-0	V-2	HB	HB	HB	HB
Mould test DIN EN ISO 846				●				●					
Fogging DIN 75201-B	●			●									
Availabilities / variants													
Bar stock, round bar	●	●	●	●	●	●	●	●	●	●	●	●	●
Bar stock, tube					●								
Bar stock, plate					●							●	●
tribo-tape liner													

¹⁴¹⁾ Price index low price category medium price category highest price category

X	HSD350	H1	C500	A181	A350	A500	A180	A160	UW160	T220	Q2	F2	J2	RW370
■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■	■■■■
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●		●	●		●	●					●	●		●
●												●		
				●	●	●	●	●		●				
				●	●	●	●	●						
V-0	V-0	V-0	V-0	HB	V-0	V-1	HB	HB	HB	HB	HB	HB	HB	V-0
●		●												
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
					●									
								●						

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iglidur® bar stock | Material properties

iglidur®	Unit	M250	P210	J4	GLW	J	W300	J3	J350	J260	R	J200
General properties												
Density	[g/cm³]	1.14	1.40	1.48	1.36	1.49	1.24	1.42	1.44	1.35	1.39	1.72
Colour												
Max. moisture absorption at +23°C/50% r. h.	[% weight]	1.4	0.3	0.3	1.3	0.3	1.3	0.3	0.3	0.2	0.2	0.2
Max. total moisture absorption	[% weight]	7.6	0.5	1.3	5.5	1.3	6.5	1.3	1.6	0.4	1.1	0.7
Coefficient of sliding friction, dynamic against steel	[μ]	0.18–0.40	0.07–0.19	0.06–0.20	0.10–0.24	0.06–0.18	0.08–0.23	0.06–0.20	0.10–0.20	0.06–0.20	0.09–0.25	0.11–0.17
pv value, max. (dry)	[MPa·m/s]	0.12	0.4	0.30	0.30	0.34	0.23	0.5	0.45	0.35	0.27	0.3
Mechanical properties												
Flexural modulus	[MPa]	2,700	2,500	2,350	7,700	2,400	3,500	2,700	2,000	2,200	1,950	2,800
Flexural strength at +20°C	[MPa]	112	70	70	235	73	125	70	55	60	70	58
Compressive strength	[MPa]	52	50	55	74	60	61	60	60	50	68	43
Max. permissible surface pressure at +20°C	[MPa]	20	50	35	80	35	60	45	60	40	23	23
Shore D hardness		79	75	74	78	74	77	73	80	77	77	70
Physical and thermal properties												
Max. continuous operating temperature	[°C]	+80	+100	+90	+100	+90	+90	+90	+180	+120	+90	+90
Max. short-term operating temperature	[°C]	+170	+160	+120	+160	+120	+180	+120	+220	+140	+110	+120
Min. continuous operating temperature	[°C]	-40	-40	-50	-40	-50	-40	-50	-100	-100	-50	-50
Thermal conductivity	[W/m·K]	0.24	0.25	0.25	0.24	0.25	0.24	0.25	0.24	0.24	0.25	0.24
Coefficient of thermal expansion at +23°C	[K ⁻¹ ·10 ⁻⁵]	10	8	10	17	10	9	13	7	13	11	8
Electrical properties												
Specific contact resistance	[Ωcm]	> 10 ¹³	> 10 ¹²	> 10 ¹³	> 10 ¹¹	> 10 ¹³	> 10 ¹³	> 10 ¹²	> 10 ¹³	> 10 ¹²	> 10 ¹²	> 10 ⁸
Surface resistance	[Ω]	> 10 ¹¹	> 10 ¹¹	> 10 ¹³	> 10 ¹¹	> 10 ¹²	> 10 ¹²	> 10 ¹²	> 10 ¹⁰	> 10 ¹⁰	> 10 ¹²	> 10 ⁸
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E7	JB	X	HSD 350	H1	C500	A181	A350	A500	A180	A160	UW 160	T220	Q2	F2	J2	RW 370
1.05	1.49	1.44	1.39	1.53	1.37	1.38	1.42	1.28	1.46	1.00	1.04	1.28	1.46	1.52	1.44	1.34
																
0.1	0.3	0.1	0.6	0.1	0.3	0.2	0.6	0.3	0.2	0.1	0.1	0.3	1.1	0.2	0.2	0.25
0.1	1.3	0.5	1.2	0.3	0.5	1.3	1.9	0.5	1.3	0.1	0.1	0.5	1.1	0.4	1.3	1.2
0.08–0.17	0.06–0.18	0.09–0.27	0.07–0.23	0.06–0.20	0.07–0.19	0.10–0.21	0.10–0.20	0.26–0.41	0.05–0.23	0.09–0.19	0.17–0.31	0.20–0.32	0.22–0.42	0.16–0.22	0.11–0.27	0.13–0.17
0.22	0.34	1.32	0.3	0.80	0.7	0.31	0.40	0.28	0.31	0.25	0.22	0.28	0.7	0.31	0.23	1.2
1,477	2,400	8,100	2,150	2,800	3,000	1,913	2,000	3,600	2,300	1,151	1,349	1,800	8,370	7,418	3,605	2,997
22	73	170	67	55	100	48	110	140	88	19	22	65	240	93	101	100
18	60	100	44	78	110	60	78	118	78	37	32	55	130	61	77	129
18	35	150	30	80	110	31	60	120	28	15	15	40	120	47	46	75
61	74	85	77	77	81	76	76	83	76	60	60	76	80	72	n.s.	80
+70	+90	+250	+180	+200	+250	+90	+180	+250	+90	+90	+90	+100	+130	+120	+90	+170
+90	+120	+315	+210	+240	+300	+110	+210	+300	+110	+100	+100	+160	+200	+165	+110	+190
-50	-50	-100	-40	-40	-100	-50	-100	-100	-50	-50	-50	-40	-40	-40	-50	-50
0.24	0.25	0.60	0.24	0.24	0.24	0.25	0.24	0.24	0.25	0.30	0.50	0.24	0.24	0.61	0.25	0.22
25	10	5	7	6	9	11	8	9	11	11	18	11	8	5	7	5
> 10 ⁹	> 10 ¹³	< 10 ⁵	> 10 ¹³	> 10 ¹²	> 10 ¹⁴	> 10 ¹²	> 10 ¹¹	> 10 ¹⁴	> 10 ¹²	> 10 ¹²	> 10 ¹²	> 10 ¹⁰	> 10 ¹³	< 10 ⁹	> 10 ¹³	> 10 ¹²
> 10 ⁹	> 10 ¹²	< 10 ³	> 10 ¹⁴	> 10 ¹¹	> 10 ¹³	> 10 ¹²	> 10 ¹¹	> 10 ¹³	> 10 ¹¹	> 10 ¹²	> 10 ¹²	> 10 ¹⁰	> 10 ¹¹	< 10 ⁹	> 10 ¹²	> 10 ¹²
673	674	674	675	675	676	676	677	677	678	678	679	679	681	680	680	681



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Order key for round bars

Type	Dimensions [mm]
SF R M250-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Bar stock

Round bar

iglidur® material

Outer Ø

Inner Ø

Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRM250-1000-□
15	50–1,000	SFRM250-1500-□
20	50–1,000	SFRM250-2000-□
25	50–1,000	SFRM250-2500-□
30	50–1,000	SFRM250-3000-□
35	50–1,000	SFRM250-3500-□
40	50–1,000	SFRM250-4000-□
45	50–1,000	SFRM250-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRM250-5000-□
55	50–1,000	SFRM250-5500-□
60	50–1,000	SFRM250-6000-□
65	50–1,000	SFRM250-6500-□
70	50–1,000	SFRM250-7000-□
80	50–1,000	SFRM250-8000-□
90	50–1,000	SFRM250-9000-□
100	50–1,000	SFRM250-10000-□

Good coefficient of friction and wear on almost every shaft – iglidur® P210



Order key for round bars

Type	Dimensions [mm]
SF R P210-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Bar stock

Round bar

iglidur® material

Outer Ø

Inner Ø

Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRP210-1000-□
15	50–1,000	SFRP210-1500-□
20	50–1,000	SFRP210-2000-□
25	50–1,000	SFRP210-2500-□
30	50–1,000	SFRP210-3000-□
35	50–1,000	SFRP210-3500-□
40	50–1,000	SFRP210-4000-□
45	50–1,000	SFRP210-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRP210-5000-□
55	50–1,000	SFRP210-5500-□
60	50–1,000	SFRP210-6000-□
65	50–1,000	SFRP210-6500-□
70	50–1,000	SFRP210-7000-□
80	50–1,000	SFRP210-8000-□
90	50–1,000	SFRP210-9000-□
100	50–1,000	SFRP210-10000-□

Available from stock
Upon request/check availability

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Order key for round bars

Type	Dimensions [mm]
SF R J4-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Bar stock

Round bar

iglidur® material

Outer Ø

Inner Ø

Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRJ4-1000-□
15	50–1,000	SFRJ4-1500-□
20	50–1,000	SFRJ4-2000-□
25	50–1,000	SFRJ4-2500-□
30	50–1,000	SFRJ4-3000-□
35	50–1,000	SFRJ4-3500-□
40	50–1,000	SFRJ4-4000-□
45	50–1,000	SFRJ4-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRJ4-5000-□
55	50–1,000	SFRJ4-5500-□
60	50–1,000	SFRJ4-6000-□
65	50–1,000	SFRJ4-6500-□
70	50–1,000	SFRJ4-7000-□
80	50–1,000	SFRJ4-8000-□
90	50–1,000	SFRJ4-9000-□
100	50–1,000	SFRJ4-10000-□

Low-cost material for high volumes – iglidur® GLW



Order key for round bars

Type	Dimensions [mm]
SF R GLW-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Bar stock

Round bar

iglidur® material

Outer Ø

Inner Ø

Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRGLW-1000-□
15	50–1,000	SFRGLW-1500-□
20	50–1,000	SFRGLW-2000-□
25	50–1,000	SFRGLW-2500-□
30	50–1,000	SFRGLW-3000-□
35	50–1,000	SFRGLW-3500-□
40	50–1,000	SFRGLW-4000-□
45	50–1,000	SFRGLW-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRGLW-5000-□
55	50–1,000	SFRGLW-5500-□
60	50–1,000	SFRGLW-6000-□
65	50–1,000	SFRGLW-6500-□
70	50–1,000	SFRGLW-7000-□
80	50–1,000	SFRGLW-8000-□
90	50–1,000	SFRGLW-9000-□
100	50–1,000	SFRGLW-10000-□

igus® constantly expands its range of available materials and dimensions. Please contact us in case the required diameter is not available.



Service life calculation online ► www.igus.eu/barstock-expert 669

The versatile endurance runner – iglidur® J



Order key for round bars

Type	Dimensions [mm]
SF R J - 30 00 - □	
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRJ-1000-□
15	50–1,000	SFRJ-1500-□
20	50–1,000	SFRJ-2000-□
25	50–1,000	SFRJ-2500-□
30	50–1,000	SFRJ-3000-□
35	50–1,000	SFRJ-3500-□
40	50–1,000	SFRJ-4000-□
45	50–1,000	SFRJ-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRJ-5000-□
55	50–1,000	SFRJ-5500-□
60	50–1,000	SFRJ-6000-□
65	50–1,000	SFRJ-6500-□
70	50–1,000	SFRJ-7000-□
80	50–1,000	SFRJ-8000-□
90	50–1,000	SFRJ-9000-□
100	50–1,000	SFRJ-10000-□

The classic endurance runner up to 30MPa – iglidur® W300



Order key for round bars

Type	Dimensions [mm]
SF R W300- 30 00 - □	
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRW-1000-□
15	50–1,000	SFRW-1500-□
20	50–1,000	SFRW-2000-□
25	50–1,000	SFRW-2500-□
30	50–1,000	SFRW-3000-□
35	50–1,000	SFRW-3500-□
40	50–1,000	SFRW-4000-□
45	50–1,000	SFRW-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRW-5000-□
55	50–1,000	SFRW-5500-□
60	50–1,000	SFRW-6000-□
65	50–1,000	SFRW-6500-□
70	50–1,000	SFRW-7000-□
80	50–1,000	SFRW-8000-□
90	50–1,000	SFRW-9000-□
100	50–1,000	SFRW-10000-□

Available from stock
Upon request/check availability

670 Product finder online ► www.igus.eu/barstock-finder



Specialist for pivoting and pulsating loads – iglidur® J3



Order key for round bars

Type	Dimensions [mm]
SF R J3 - 30 00 - □	
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRJ3-1000-□
15	50–1,000	SFRJ3-1500-□
20	50–1,000	SFRJ3-2000-□
25	50–1,000	SFRJ3-2500-□
30	50–1,000	SFRJ3-3000-□
35	50–1,000	SFRJ3-3500-□
40	50–1,000	SFRJ3-4000-□
45	50–1,000	SFRJ3-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRJ3-5000-□
55	50–1,000	SFRJ3-5500-□
60	50–1,000	SFRJ3-6000-□
65	50–1,000	SFRJ3-6500-□
70	50–1,000	SFRJ3-7000-□
80	50–1,000	SFRJ3-8000-□
90	50–1,000	SFRJ3-9000-□
100	50–1,000	SFRJ3-10000-□

Endurance runner with high dimensional stability at high temperature – iglidur® J350



Order key for round bars

Type	Dimensions [mm]
SF R J350 - 30 00 - □	
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRJ350-1000-□
15	50–1,000	SFRJ350-1500-□
20	50–1,000	SFRJ350-2000-□
25	50–1,000	SFRJ350-2500-□
30	50–1,000	SFRJ350-3000-□
35	50–1,000	SFRJ350-3500-□
40	50–1,000	SFRJ350-4000-□
45	50–1,000	SFRJ350-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRJ350-5000-□
55	50–1,000	SFRJ350-5500-□
60	50–1,000	SFRJ350-6000-□
65	50–1,000	SFRJ350-6500-□
70	50–1,000	SFRJ350-7000-□
80	50–1,000	SFRJ350-8000-□
90	50–1,000	SFRJ350-9000-□
100	50–1,000	SFRJ350-10000-□

igus® constantly expands its range of available materials and dimensions. Please contact us in case the required diameter is not available.



Service life calculation online ► www.igus.eu/barstock-expert 671

Ideal for plastic shafts – iglidur® J260



Order key for round bars

Type	Dimensions [mm]
SF R J260 - 30 00 - □	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Bar stock

Round bar

iglidur® material

Outer Ø

Inner Ø

Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRJ260-1000-□
15	50–1,000	SFRJ260-1500-□
20	50–1,000	SFRJ260-2000-□
25	50–1,000	SFRJ260-2500-□
30	50–1,000	SFRJ260-3000-□
35	50–1,000	SFRJ260-3500-□
40	50–1,000	SFRJ260-4000-□
45	50–1,000	SFRJ260-4500-□

Low-cost – iglidur® R



Order key for round bars

Type	Dimensions [mm]
SF R R - 30 00 - □	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Bar stock

Round bar

iglidur® material

Outer Ø

Inner Ø

Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRR-1000-□
15	50–1,000	SFRR-1500-□
20	50–1,000	SFRR-2000-□
25	50–1,000	SFRR-2500-□
30	50–1,000	SFRR-3000-□
35	50–1,000	SFRR-3500-□
40	50–1,000	SFRR-4000-□
45	50–1,000	SFRR-4500-□

Available from stock
Upon request/check availability

672 Product finder online ► www.igus.eu/barstock-finder



Specially for aluminium shafts – iglidur® J200



Order key for round bars

Type	Dimensions [mm]
SF R J200 - 30 00 - □	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Bar stock

Round bar

iglidur® material

Outer Ø

Inner Ø

Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRJ200-1000-□
15	50–1,000	SFRJ200-1500-□
20	50–1,000	SFRJ200-2000-□
25	50–1,000	SFRJ200-2500-□
30	50–1,000	SFRJ200-3000-□
35	50–1,000	SFRJ200-3500-□
40	50–1,000	SFRJ200-4000-□
45	50–1,000	SFRJ200-4500-□

Ideal for pivoting movement – iglidur® E7



Order key for round bars

Type	Dimensions [mm]
SF R E7 - 30 00 - □	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Bar stock

Round bar

iglidur® material

Outer Ø

Inner Ø

Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRE7-1000-□
15	50–1,000	SFRE7-1500-□
20	50–1,000	SFRE7-2000-□
25	50–1,000	SFRE7-2500-□
30	50–1,000	SFRE7-3000-□
35	50–1,000	SFRE7-3500-□
40	50–1,000	SFRE7-4000-□
45	50–1,000	SFRE7-4500-□

igus® constantly expands its range of available materials and dimensions. Please contact us in case the required diameter is not available.



Service life calculation online ► www.igus.eu/barstock-expert 673

Extremely wear-resistant in black – iglidur® JB



Order key for round bars

Type	Dimensions [mm]		
SF R JB-30 00-□	Outer Ø	Inner Ø	Length

In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRJB-1000-□
15	50–1,000	SFRJB-1500-□
20	50–1,000	SFRJB-2000-□
25	50–1,000	SFRJB-2500-□
30	50–1,000	SFRJB-3000-□
35	50–1,000	SFRJB-3500-□
40	50–1,000	SFRJB-4000-□
45	50–1,000	SFRJB-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRJB-5000-□
55	50–1,000	SFRJB-5500-□
60	50–1,000	SFRJB-6000-□
65	50–1,000	SFRJB-6500-□
70	50–1,000	SFRJB-7000-□
80	50–1,000	SFRJB-8000-□
90	50–1,000	SFRJB-9000-□
100	50–1,000	SFRJB-10000-□

The chemical and temperature specialist – iglidur® X



Order key for round bars

Type	Dimensions [mm]		
SF R X-30 00-□	Outer Ø	Inner Ø	Length

In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRX-1000-□
15	50–1,000	SFRX-1500-□
20	50–1,000	SFRX-2000-□
25	50–1,000	SFRX-2500-□
30	50–1,000	SFRX-3000-□
35	50–1,000	SFRX-3500-□
40	50–1,000	SFRX-4000-□
45	50–1,000	SFRX-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRX-5000-□
55	50–1,000	SFRX-5500-□
60	50–1,000	SFRX-6000-□
65	50–1,000	SFRX-6500-□
70	50–1,000	SFRX-7000-□
80	50–1,000	SFRX-8000-□
90	50–1,000	SFRX-9000-□
100	50–1,000	SFRX-10000-□

Available from stock
Upon request/check availability

674 Product finder online ► www.igus.eu/barstock-finder



All-rounder for steam sterilisation – iglidur® HSD350



Order key for round bars

Type	Dimensions [mm]		
SF R HSD350-30 00-□	Outer Ø	Inner Ø	Length

In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRHSD350-1000-□
15	50–1,000	SFRHSD350-1500-□
20	50–1,000	SFRHSD350-2000-□
25	50–1,000	SFRHSD350-2500-□
30	50–1,000	SFRHSD350-3000-□
35	50–1,000	SFRHSD350-3500-□
40	50–1,000	SFRHSD350-4000-□
45	50–1,000	SFRHSD350-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRHSD350-5000-□
55	50–1,000	SFRHSD350-5500-□
60	50–1,000	SFRHSD350-6000-□
65	50–1,000	SFRHSD350-6500-□
70	50–1,000	SFRHSD350-7000-□
80	50–1,000	SFRHSD350-8000-□
90	50–1,000	SFRHSD350-9000-□
100	50–1,000	SFRHSD350-10000-□

Endurance runner with high media resistance – iglidur® H1



Order key for round bars

Type	Dimensions [mm]		
SF R H1-30 00-□	Outer Ø	Inner Ø	Length

In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRH1-1000-□
15	50–1,000	SFRH1-1500-□
20	50–1,000	SFRH1-2000-□
25	50–1,000	SFRH1-2500-□
30	50–1,000	SFRH1-3000-□
35	50–1,000	SFRH1-3500-□
40	50–1,000	SFRH1-4000-□
45	50–1,000	SFRH1-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRH1-5000-□
55	50–1,000	SFRH1-5500-□
60	50–1,000	SFRH1-6000-□
65	50–1,000	SFRH1-6500-□
70	50–1,000	SFRH1-7000-□
80	50–1,000	SFRH1-8000-□
90	50–1,000	SFRH1-9000-□
100	50–1,000	SFRH1-10000-□

Service life calculation online ► www.igus.eu/barstock-expert 675



For extreme ambient conditions – iglidur® C500



Order key for round bars

Type	Dimensions [mm]
SF R C500-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRC500-1000-□
15	50–1,000	SFRC500-1500-□
20	50–1,000	SFRC500-2000-□
25	50–1,000	SFRC500-2500-□
30	50–1,000	SFRC500-3000-□
35	50–1,000	SFRC500-3500-□
40	50–1,000	SFRC500-4000-□
45	50–1,000	SFRC500-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRC500-5000-□
55	50–1,000	SFRC500-5500-□
60	50–1,000	SFRC500-6000-□
65	50–1,000	SFRC500-6500-□
70	50–1,000	SFRC500-7000-□
80	50–1,000	SFRC500-8000-□
90	50–1,000	SFRC500-9000-□
100	50–1,000	SFRC500-10000-□

The all-rounder for food, FDA and EU 10/2011-compliant – iglidur® A181



Order key for round bars

Type	Dimensions [mm]
SF R A181-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRA181-1000-□
15	50–1,000	SFRA181-1500-□
20	50–1,000	SFRA181-2000-□
25	50–1,000	SFRA181-2500-□
30	50–1,000	SFRA181-3000-□
35	50–1,000	SFRA181-3500-□
40	50–1,000	SFRA181-4000-□
45	50–1,000	SFRA181-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRA181-5000-□
55	50–1,000	SFRA181-5500-□
60	50–1,000	SFRA181-6000-□
65	50–1,000	SFRA181-6500-□
70	50–1,000	SFRA181-7000-□
80	50–1,000	SFRA181-8000-□
90	50–1,000	SFRA181-9000-□
100	50–1,000	SFRA181-10000-□

Available from stock
Upon request/check availability

676 Product finder online ► www.igus.eu/barstock-finder



The FDA-compliant endurance runner at higher temperatures – iglidur® A350



Order key for round bars

Type	Dimensions [mm]
SF R A350-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRA350-1000-□
15	50–1,000	SFRA350-1500-□
20	50–1,000	SFRA350-2000-□
25	50–1,000	SFRA350-2500-□
30	50–1,000	SFRA350-3000-□
35	50–1,000	SFRA350-3500-□
40	50–1,000	SFRA350-4000-□
45	50–1,000	SFRA350-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRA350-5000-□
55	50–1,000	SFRA350-5500-□
60	50–1,000	SFRA350-6000-□
65	50–1,000	SFRA350-6500-□
70	50–1,000	SFRA350-7000-□
80	50–1,000	SFRA350-8000-□
90	50–1,000	SFRA350-9000-□
100	50–1,000	SFRA350-10000-□

The media and temperature specialist in the food sector – iglidur® A500



Order key for round bars

Type	Dimensions [mm]
SF R A500-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.

Dimensions [mm]

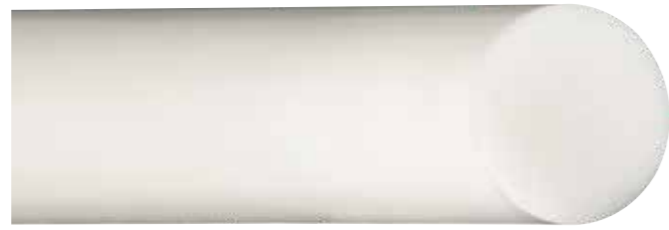
Ø	Lengths	Part No.
10	50–1,000	SFRA500-1000-□
15	50–1,000	SFRA500-1500-□
20	50–1,000	SFRA500-2000-□
25	50–1,000	SFRA500-2500-□
30	50–1,000	SFRA500-3000-□
35	50–1,000	SFRA500-3500-□
40	50–1,000	SFRA500-4000-□
45	50–1,000	SFRA500-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRA500-5000-□
55	50–1,000	SFRA500-5500-□
60	50–1,000	SFRA500-6000-□
65	50–1,000	SFRA500-6500-□
70	50–1,000	SFRA500-7000-□
80	50–1,000	SFRA500-8000-□
90	50–1,000	SFRA500-9000-□
100	50–1,000	SFRA500-10000-□

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Service life calculation online ► www.igus.eu/barstock-expert 677



Order key for round bars

Type	Dimensions [mm]
SF R A180-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRA180-1000-□
15	50–1,000	SFRA180-1500-□
20	50–1,000	SFRA180-2000-□
25	50–1,000	SFRA180-2500-□
30	50–1,000	SFRA180-3000-□
35	50–1,000	SFRA180-3500-□
40	50–1,000	SFRA180-4000-□
45	50–1,000	SFRA180-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRA180-5000-□
55	50–1,000	SFRA180-5500-□
60	50–1,000	SFRA180-6000-□
65	50–1,000	SFRA180-6500-□
70	50–1,000	SFRA180-7000-□
80	50–1,000	SFRA180-8000-□
90	50–1,000	SFRA180-9000-□
100	50–1,000	SFRA180-10000-□

"Food" material with high media resistance up to +90°C – iglidur® A160



Order key for round bars

Type	Dimensions [mm]
SF R A160-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRA160-1000-□
15	50–1,000	SFRA160-1500-□
20	50–1,000	SFRA160-2000-□
25	50–1,000	SFRA160-2500-□
30	50–1,000	SFRA160-3000-□
35	50–1,000	SFRA160-3500-□
40	50–1,000	SFRA160-4000-□
45	50–1,000	SFRA160-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRA160-5000-□
55	50–1,000	SFRA160-5500-□
60	50–1,000	SFRA160-6000-□
65	50–1,000	SFRA160-6500-□
70	50–1,000	SFRA160-7000-□
80	50–1,000	SFRA160-8000-□
90	50–1,000	SFRA160-9000-□
100	50–1,000	SFRA160-10000-□

Available from stock
Upon request/check availability

678 Product finder online ► www.igus.eu/barstock-finder



Order key for round bars

Type	Dimensions [mm]
SF R UW160-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRUW160-1000-□
15	50–1,000	SFRUW160-1500-□
20	50–1,000	SFRUW160-2000-□
25	50–1,000	SFRUW160-2500-□
30	50–1,000	SFRUW160-3000-□
35	50–1,000	SFRUW160-3500-□
40	50–1,000	SFRUW160-4000-□
45	50–1,000	SFRUW160-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRUW160-5000-□
55	50–1,000	SFRUW160-5500-□
60	50–1,000	SFRUW160-6000-□
65	50–1,000	SFRUW160-6500-□
70	50–1,000	SFRUW160-7000-□
80	50–1,000	SFRUW160-8000-□
90	50–1,000	SFRUW160-9000-□
100	50–1,000	SFRUW160-10000-□

For the tobacco industry – iglidur® T220



Order key for round bars

Type	Dimensions [mm]
SF R T220-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRT220-1000-□
15	50–1,000	SFRT220-1500-□
20	50–1,000	SFRT220-2000-□
25	50–1,000	SFRT220-2500-□
30	50–1,000	SFRT220-3000-□
35	50–1,000	SFRT220-3500-□
40	50–1,000	SFRT220-4000-□
45	50–1,000	SFRT220-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRT220-5000-□
55	50–1,000	SFRT220-5500-□
60	50–1,000	SFRT220-6000-□
65	50–1,000	SFRT220-6500-□
70	50–1,000	SFRT220-7000-□
80	50–1,000	SFRT220-8000-□
90	50–1,000	SFRT220-9000-□
100	50–1,000	SFRT220-10000-□

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Service life calculation online ► www.igus.eu/barstock-expert 679

iglidur® round bars | Product range

Used to prevent electro-static charges – iglidur® F2



Order key for round bars

Type	Dimensions [mm]
SF R F2-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRF2-1000-□
15	50–1,000	SFRF2-1500-□
20	50–1,000	SFRF2-2000-□
25	50–1,000	SFRF2-2500-□
30	50–1,000	SFRF2-3000-□
35	50–1,000	SFRF2-3500-□
40	50–1,000	SFRF2-4000-□
45	50–1,000	SFRF2-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRF2-5000-□
55	50–1,000	SFRF2-5500-□
60	50–1,000	SFRF2-6000-□
65	50–1,000	SFRF2-6500-□
70	50–1,000	SFRF2-7000-□
80	50–1,000	SFRF2-8000-□
90	50–1,000	SFRF2-9000-□
100	50–1,000	SFRF2-10000-□

Versatile and cost-effective – iglidur® J2



Order key for round bars

Type	Dimensions [mm]
SF R J2-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRJ2-1000-□
15	50–1,000	SFRJ2-1500-□
20	50–1,000	SFRJ2-2000-□
25	50–1,000	SFRJ2-2500-□
30	50–1,000	SFRJ2-3000-□
35	50–1,000	SFRJ2-3500-□
40	50–1,000	SFRJ2-4000-□
45	50–1,000	SFRJ2-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRJ2-5000-□
55	50–1,000	SFRJ2-5500-□
60	50–1,000	SFRJ2-6000-□
65	50–1,000	SFRJ2-6500-□
70	50–1,000	SFRJ2-7000-□
80	50–1,000	SFRJ2-8000-□
90	50–1,000	SFRJ2-9000-□
100	50–1,000	SFRJ2-10000-□

Available from stock
Upon request/check availability

680 Product finder online ► www.igus.eu/barstock-finder



iglidur® round bars | Product range

For the rail industry, flame-retardant, complies with DIN EN 45545 HL3, R22/R23 – iglidur® RW370



Order key for round bars

Type	Dimensions [mm]
SF R RW370-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRRW370-1000-□
15	50–1,000	SFRRW370-1500-□
20	50–1,000	SFRRW370-2000-□
25	50–1,000	SFRRW370-2500-□
30	50–1,000	SFRRW370-3000-□
35	50–1,000	SFRRW370-3500-□
40	50–1,000	SFRRW370-4000-□
45	50–1,000	SFRRW370-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRRW370-5000-□
55	50–1,000	SFRRW370-5500-□
60	50–1,000	SFRRW370-6000-□
65	50–1,000	SFRRW370-6500-□
70	50–1,000	SFRRW370-7000-□
80	50–1,000	SFRRW370-8000-□
90	50–1,000	SFRRW370-9000-□
100	50–1,000	SFRRW370-10000-□

For long service life under extreme loads – iglidur® Q2



Order key for round bars

Type	Dimensions [mm]
SF R Q2-30 00-□	In your required length, freely selectable between 50 and 1,000mm. Cut-to-size parts are delivered oversized.
Bar stock	Round bar
iglidur® material	Outer Ø
	Inner Ø
	Length

Dimensions [mm]

Ø	Lengths	Part No.
10	50–1,000	SFRQ2-1000-□
15	50–1,000	SFRQ2-1500-□
20	50–1,000	SFRQ2-2000-□
25	50–1,000	SFRQ2-2500-□
30	50–1,000	SFRQ2-3000-□
35	50–1,000	SFRQ2-3500-□
40	50–1,000	SFRQ2-4000-□
45	50–1,000	SFRQ2-4500-□

Ø	Lengths	Part No.
50	50–1,000	SFRQ2-5000-□
55	50–1,000	SFRQ2-5500-□
60	50–1,000	SFRQ2-6000-□
65	50–1,000	SFRQ2-6500-□
70	50–1,000	SFRQ2-7000-□
80	50–1,000	SFRQ2-8000-□
90	50–1,000	SFRQ2-9000-□
100	50–1,000	SFRQ2-10000-□

igus® constantly expands its range of available materials and dimensions. Please contact us in case the required diameter is not available.



Service life calculation online ► www.igus.eu/barstock-expert 681