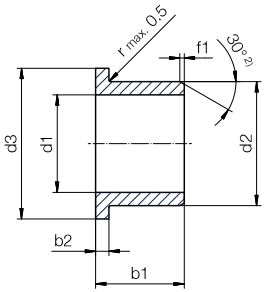
iglidur® P210 | Product range

Flange bearing (Form F)



[2] Thickness < 1 mm: chamfer = 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

Order key

Type	Dimensions [mm]
P210 F M	-0608-04

iglidur® material	Form F	Metric	Inner-Ø d1	Outer-Ø d2	Length b1

Dimensions according to ISO 3547-1 and special dimensions

Imperial dimensions available
▶ From page 1438

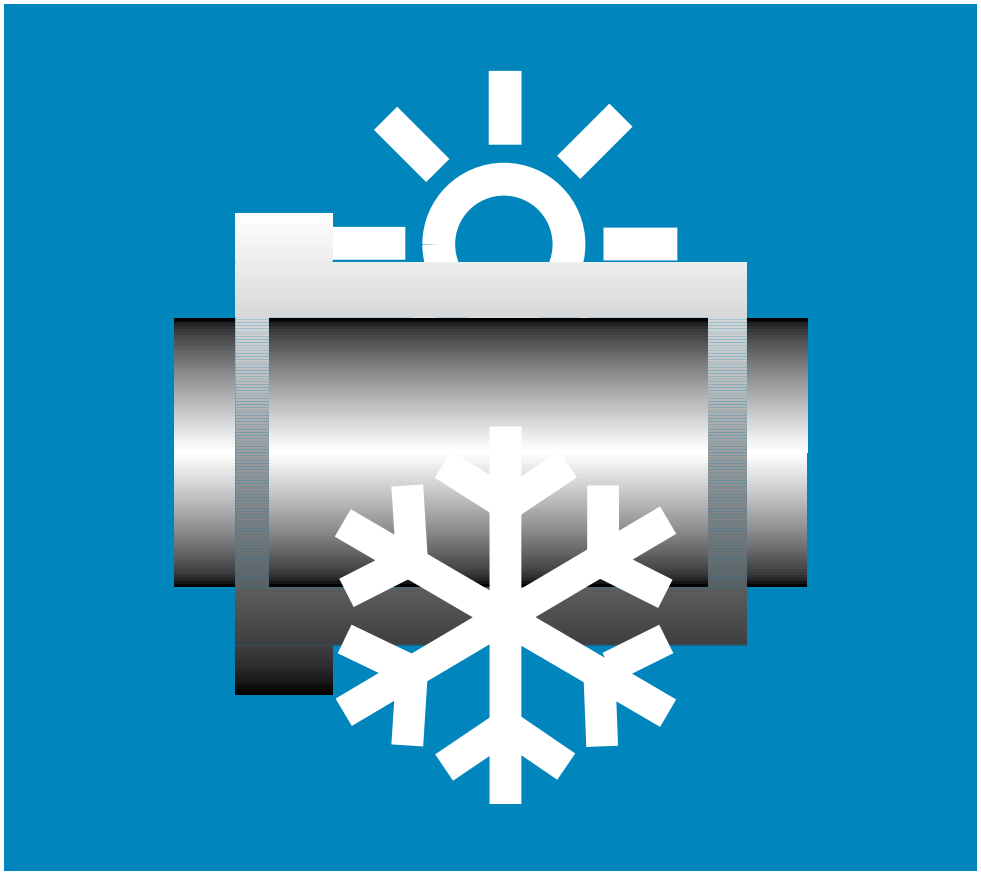
Dimensions [mm]

d1	d1- Tolerance[3]	d2	d3 d13	b1 h13	b2 –0.14	Part No.
6.0	+0.020 +0.068	8.0	12.0	4.0	1.0	P210FM-0608-04
6.0		8.0	12.0	6.0	1.0	P210FM-0608-06
6.0		8.0	12.0	8.0	1.0	P210FM-0608-08
8.0		10.0	15.0	5.5	1.0	P210FM-0810-05
8.0		10.0	15.0	7.5	1.0	P210FM-0810-07
8.0		10.0	15.0	9.5	1.0	P210FM-0810-09
8.0		10.0	15.0	10.0	1.0	P210FM-0810-10
8.0	+0.025	10.0	16.0	15.0	1.0	P210FM-081016-15
10.0	+0.083	12.0	18.0	7.0	1.0	P210FM-1012-07
10.0		12.0	18.0	9.0	1.0	P210FM-1012-09
10.0		12.0	18.0	10.0	1.0	P210FM-1012-10
10.0		12.0	18.0	12.0	1.0	P210FM-1012-12
10.0		12.0	18.0	17.0	1.0	P210FM-1012-17
12.0		14.0	20.0	7.0	1.0	P210FM-1214-07
12.0		14.0	20.0	9.0	1.0	P210FM-1214-09
12.0	+0.032 +0.102	14.0	20.0	12.0	1.0	P210FM-1214-12
12.0		14.0	20.0	17.0	1.0	P210FM-1214-17
14.0		16.0	22.0	12.0	1.0	P210FM-1416-12
14.0		16.0	22.0	17.0	1.0	P210FM-1416-17
15.0		17.0	23.0	9.0	1.0	P210FM-1517-09
15.0		17.0	23.0	12.0	1.0	P210FM-1517-12
15.0		17.0	23.0	17.0	1.0	P210FM-1517-17
16.0	+0.032 +0.102	18.0	24.0	12.0	1.0	P210FM-1618-12
16.0		18.0	24.0	17.0	1.0	P210FM-1618-17
18.0		20.0	26.0	12.0	1.0	P210FM-1820-12
18.0		20.0	26.0	17.0	1.0	P210FM-1820-17
18.0		20.0	26.0	22.0	1.0	P210FM-1820-22
20.0		23.0	30.0	11.5	1.5	P210FM-2023-11
20.0		23.0	30.0	16.5	1.5	P210FM-2023-16
20.0		23.0	30.0	21.5	1.5	P210FM-2023-21
25.0		28.0	35.0	11.5	1.5	P210FM-2528-11
25.0		28.0	35.0	16.5	1.5	P210FM-2528-16
25.0	+0.040 +0.124	28.0	35.0	21.0	1.5	P210FM-2528-21
30.0		34.0	42.0	16.0	2.0	P210FM-3034-16
30.0		34.0	42.0	26.0	2.0	P210FM-3034-26
35.0		39.0	47.0	16.0	2.0	P210FM-3539-16
35.0		39.0	47.0	26.0	2.0	P210FM-3539-26
40.0		44.0	52.0	30.0	2.0	P210FM-4044-30
40.0		44.0	52.0	40.0	2.0	P210FM-4044-40
45.0		50.0	58.0	50.0	2.0	P210FM-4550-50

[3] After press-fit. Testing methods ▶ Page 57

Couldn'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 very quickly.

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

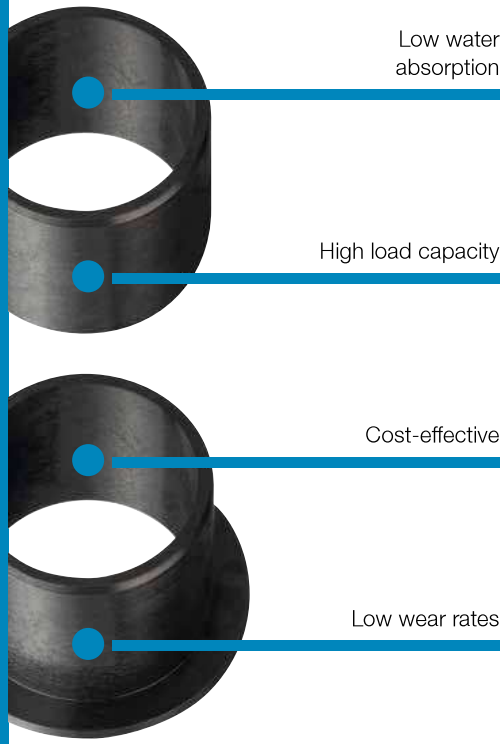


The cost-effective outdoor all-rounder – iglidur® P

- Low water absorption
- Low wear rates
- High load capacity
- Cost-effective
- Lubrication and maintenance-free
- Standard range from stock

iglidur® P | The cost-effective outdoor all-rounder

No moisture absorption even with high ambient humidity



Due to thermal stability and low water absorption, the iglidur® P bearings are among the most dimensionally stable all-round bearings under varying environmental conditions. iglidur® P bearings are recommended for oscillating and rotating movements at average loads.

When to use it?

- If low moisture absorption is requested
- When a cost-effective bearing for high pressure loads is required
- When high precision in high humidity and moderately high temperatures are needed

When not to use it?

- When the maximum application temperature is above +120 °C
  ▶ iglidur® K, page 123
- When mechanical reaming of the wall surface is necessary
  ▶ iglidur® M250, page 95
- When highest wear resistance is required
  ▶ iglidur® W300, page 153

Typical application areas

- Solar technology
- Sports and leisure
- Machine building
- Doors and gates
- Railway technology

Available from stock
Detailed information about delivery time online.

Block pricing online
No minimum order value. From batch size 1.

Max. +130 °C
Min. –40 °C

Ø 3–95 mm
More dimensions upon request

Imperial dimensions available
▶ From page 1391

Online product finder
▶ www.igus.eu/iglidur-finder

iglidur® P | Technical data

Material properties

General properties	Unit	iglidur® P	Testing method
Density	g/cm³	1.58	
Colour		black	
Max. moisture absorption at +23 °C/50 % r.h.	% weight	0.2	DIN 53495
Max. water absorption	% weight	0.4	
Coefficient of sliding friction, dynamic, against steel	µ	0.06–0.21	
pv value, max. (dry)	MPa · m/s	0.39	
Mechanical properties			
Flexural modulus	MPa	5,300	DIN 53457
Flexural strength at +20 °C	MPa	120	DIN 53452
Compressive strength	MPa	66	
Max. recommended surface pressure (+20 °C)	MPa	50	
Shore-D hardness		75	DIN 53505
Physical and thermal properties			
Max. long-term application temperature	°C	+130	
Max. short-term application temperature	°C	+200	
Min. long-term application temperature	°C	–40	
Heat conductivity	W/m · K	0.25	ASTM C 177
Coefficient of thermal expansion (at +23 °C)	$K^{-1} \cdot 10^{-5}$	4	DIN 53752
Electrical properties			
Specific contact resistance	Ωcm	> 10^{13}	DIN IEC 93
Surface resistance	Ω	> 10^{12}	DIN 53482

Table 01: Material properties table

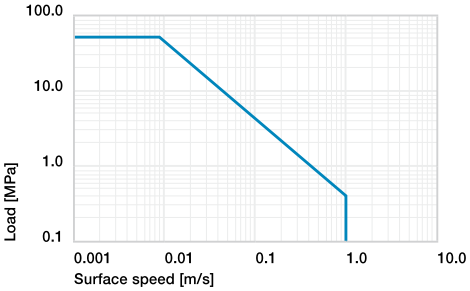


Diagram 01: Permissible pv values for iglidur® P bearings with a wall thickness of 1 mm dry running against a steel shaft, at +20 °C, mounted in a steel housing

Moisture absorption

The moisture absorption of iglidur® P plain bearings is approximately 0.2 % weight in standard climatic conditions. The saturation limit in water is 0.4 % weight. This low moisture absorption is well below the values of iglidur® G.

▶ Diagram, www.igus.eu/p-moisture

Vacuum

The existent humidity of iglidur® P bearings degasses in the vacuum. Use in vacuum can be limited. Use in vacuum can be limited.

Radiation resistance

Plain bearings made from iglidur® P have limited use under radioactive radiation. They are resistant to radiation up to an intensity of $5 \cdot 10^2$ Gy.

UV resistance

iglidur® P bearings have a good resistance to UV radiation.

Medium	Resistance
Alcohol	+
Hydrocarbons	–
Greases, oils without additives	+
Fuels	+
Diluted acids	0
Strong acids	–
Diluted alkalines	–
Strong alkalines	–

+ resistant 0 conditionally resistant – not resistant
All data given at room temperature [+20 °C]
Table 02: Chemical resistance

▶ Chemical table, **page 1478**

With the iglidur® P plain bearing, the user has a cost-effective, maintenance-free plain bearing. Compared to iglidur® G, plain bearings made from iglidur® P are suitable for use with rotating movements and average loads.

Mechanical properties

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

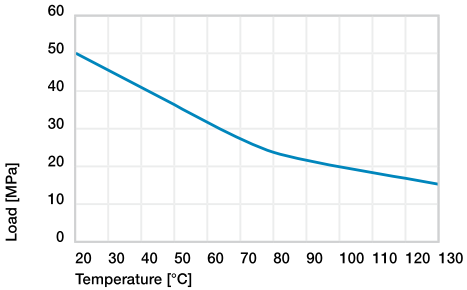


Diagram 02: Permissible maximum surface pressure of as a function of temperature (50 MPa at +20 °C)

Diagram 03 shows the elastic deformation of iglidur® P as a function of radial pressure. At the permissible maximum surface pressure of 50 MPa the deformation is less than 4 %.

▶ Surface pressure, **page 41**

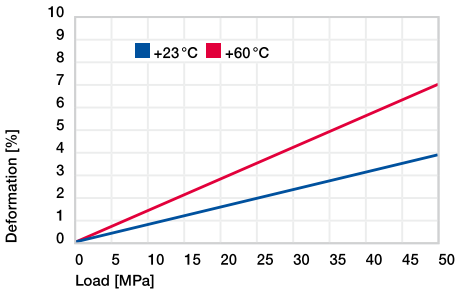


Diagram 03: Deformation under pressure and temperature

Permissible surface speeds

Plain bearings made from iglidur® P are maintenance-free plain bearings, which were developed for low to average surface speeds. The maximum values given in table 03 can only be achieved at a very low surface pressure. The maximum speed given is the speed at which an increase up to the continuous use temperature occurs due to friction.

▶ Surface speed, **page 44**

m/s	Rotating	Oscillating	Linear
Continuous	1	0.7	3
Short-term	2	1.4	4

Table 03: Maximum surface speeds

Temperatures

Even at its highest long-term application temperature of +130 °C, iglidur® P does not quite reach the values of iglidur® G. The ambient application temperature has a direct impact on bearing wear. The wear rises with increasing temperatures. At temperatures over +90 °C an additional securing is required.

▶ Application temperatures, **page 49**
▶ Additional securing, **page 49**

Friction and wear

Just as the wear resistance, the coefficient of friction changes greatly with increasing load (diagrams 04 and 05). iglidur® P plain bearings obtain a minimum coefficient of friction on shafts with a roughness Ra from 0.1 to 0.2 µm. Both smoother and rougher shaft surface finish cause the friction to clearly increase.

▶ Coefficients of friction and surfaces, **page 47**
▶ Wear resistance, **page 50**

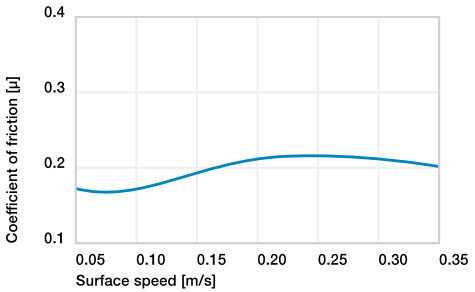


Diagram 04: Coefficient of friction as a function of the surface speed, p = 0.75 MPa

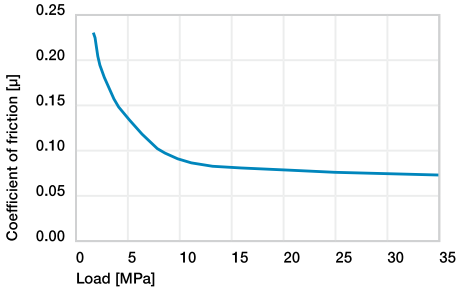


Diagram 05: Coefficient of friction as a function of the pressure, v = 0.01 m/s

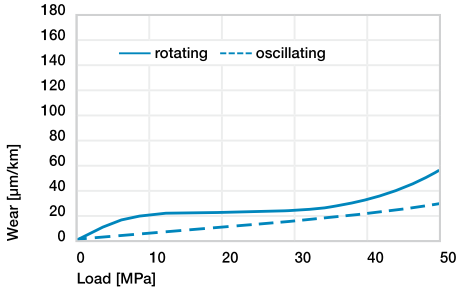


Diagram 07: Wear for oscillating and rotating applications with shaft material Cf53 hardened and ground steel, as a function of the pressure

Shaft materials

Diagram 06 shows results of testing different shaft materials with plain bearings made from iglidur® P.
For rotating movements, the wear of iglidur® P with cold rolled steel and HR carbon steel shafts is very low. On the other hand, the bearings on 304 stainless steel shafts as well as hard-chromed shafts result in higher wear than other shaft materials even in the low load range. For example at a load of 2 MPa, cold rolled steel is six times better than 304 stainless steel. For oscillating movements, however, is the "soft" HR carbon steel shaft significantly less favourable than the hardened shaft versions or the 304 stainless steel shafts.

▶ Shaft materials, **page 52**

iglidur® P	Dry	Greases	Oil	Water
C. o. f. µ	0.06 – 0.21	0.09	0.04	0.04

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

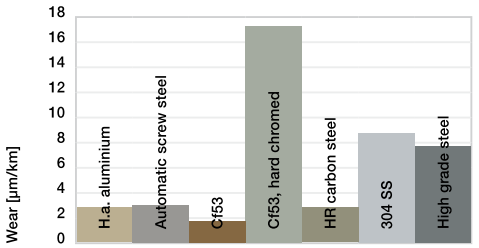


Diagram 06: Wear, rotating with different shaft materials, p = 1 MPa, v = 0.3 m/s

Installation tolerances

iglidur® P 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, the inner diameter automatically adjusts to the E10 tolerances. For particular dimensions the tolerance differs depending on the wall thickness (please see product range table).

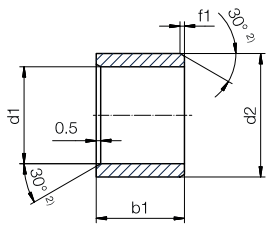
▶ Testing methods, **page 57**

Diameter d1 [mm]	Shaft h9 [mm]	iglidur® P E10 [mm]	Housing H7 [mm]
up to 3	0–0.025	+0.014 +0.054	0 +0.010
> 3 to 6	0–0.030	+0.020 +0.068	0 +0.012
> 6 to 10	0–0.036	+0.025 +0.083	0 +0.015
> 10 to 18	0–0.043	+0.032 +0.102	0 +0.018
> 18 to 30	0–0.052	+0.040 +0.124	0 +0.021
> 30 to 50	0–0.062	+0.050 +0.150	0 +0.025
> 50 to 80	0–0.074	+0.060 +0.180	0 +0.030
> 80 to 120	0–0.087	+0.072 +0.212	0 +0.035
>120 to 180	0–0.100	+0.085 +0.245	0 +0.040

Table 05: Important tolerances for plain bearings according to ISO 3547-1 after pressfit

iglidur® P | Product range

Sleeve bearing (Form S)



[2] Thickness < 1 mm: chamfer = 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

Order key

Type			Dimensions [mm]		
P	S	M	-0304	-03	
iglidur® material	Form S	Metric	Inner-Ø d1	Outer-Ø d2	Length b1

Dimensions according to ISO 3547-1 and special dimensions

Imperial dimensions available
▶ From page 1414

Dimensions [mm]

d1	d1- Tolerance[3]	d2	b1 h13	Part No.
3.0	+0.014 +0.054	4.5	3.0	PSM-0304-03
4.0		5.5	4.0	PSM-0405-04
4.0		5.5	6.0	PSM-0405-06
5.0		7.0	5.0	PSM-0507-05
5.0	+0.020 +0.068	7.0	10.0	PSM-0507-10
6.0		8.0	6.0	PSM-0608-06
6.0		8.0	8.0	PSM-0608-08
6.0		8.0	10.0	PSM-0608-10
8.0		10.0	8.0	PSM-0810-08
8.0		10.0	10.0	PSM-0810-10
8.0		10.0	11.5	PSM-0810-11
8.0		10.0	12.0	PSM-0810-12
10.0	+0.025 +0.083	12.0	8.0	PSM-1012-08
10.0		12.0	10.0	PSM-1012-10
10.0		12.0	12.0	PSM-1012-12
10.0		12.0	15.0	PSM-1012-15
10.0		12.0	20.0	PSM-1012-20
12.0		14.0	10.0	PSM-1214-10
12.0		14.0	12.0	PSM-1214-12
12.0		14.0	15.0	PSM-1214-15
12.0		14.0	20.0	PSM-1214-20
12.0	+0.032	14.0	25.0	PSM-1214-25
13.0	+0.102	15.0	10.0	PSM-1315-10
13.0		15.0	20.0	PSM-1315-20
14.0		16.0	15.0	PSM-1416-15
14.0		16.0	20.0	PSM-1416-20
14.0		16.0	25.0	PSM-1416-25
15.0		17.0	15.0	PSM-1517-15
15.0		17.0	20.0	PSM-1517-20
15.0		17.0	25.0	PSM-1517-25
16.0		18.0	15.0	PSM-1618-15
16.0		18.0	20.0	PSM-1618-20
16.0	+0.032	18.0	25.0	PSM-1618-25
16.0	+0.102	18.0	42.0	PSM-1618-42
18.0		20.0	15.0	PSM-1820-15
18.0		20.0	20.0	PSM-1820-20
18.0		20.0	25.0	PSM-1820-25
18.0		20.0	33.0	PSM-1820-33
20.0		22.0	22.0	PSM-2022-22
20.0		22.0	30.0	PSM-2022-30
20.0		22.0	48.0	PSM-2022-48
20.0		22.0	51.0	PSM-2022-51
20.0		23.0	10.0	PSM-2023-10
20.0		23.0	15.0	PSM-2023-15
20.0		23.0	20.0	PSM-2023-20
20.0		23.0	25.0	PSM-2023-25
20.0	+0.040 +0.124	23.0	30.0	PSM-2023-30
22.0		24.0	42.0	PSM-2224-42
22.0		24.0	45.0	PSM-2224-45
22.0		25.0	15.0	PSM-2225-15
22.0		25.0	20.0	PSM-2225-20
22.0		25.0	25.0	PSM-2225-25
22.0		25.0	30.0	PSM-2225-30
22.0		25.0	45.0	PSM-2225-45
23.0		25.0	37.0	PSM-2325-37

[3] After press-fit. Testing methods ▶ Page 57

Dimensions [mm]

d1	d1- Tolerance[3]	d2	b1 h13	Part No.
23.0		25.0	58.0	PSM-2325-58
23.0		25.0	68.0	PSM-2325-68
24.0		27.0	15.0	PSM-2427-15
24.0		27.0	20.0	PSM-2427-20
24.0		27.0	25.0	PSM-2427-25
24.0		27.0	30.0	PSM-2427-30
25.0		28.0	15.0	PSM-2528-15
25.0		28.0	20.0	PSM-2528-20
25.0		28.0	25.0	PSM-2528-25
25.0	+0.040	28.0	30.0	PSM-2528-30
25.0	+0.124	28.0	35.0	PSM-2528-35
26.0		30.0	25.0	PSM-2630-25
28.0		32.0	20.0	PSM-2832-20
28.0		32.0	25.0	PSM-2832-25
28.0		32.0	30.0	PSM-2832-30
30.0		34.0	20.0	PSM-3034-20
30.0		34.0	25.0	PSM-3034-25
30.0		34.0	30.0	PSM-3034-30
30.0		34.0	40.0	PSM-3034-40
30.0		34.0	45.0	PSM-3034-45
32.0		36.0	20.0	PSM-3236-20
32.0	+0.050	36.0	30.0	PSM-3236-30
32.0	+0.150	36.0	40.0	PSM-3236-40
35.0		39.0	20.0	PSM-3539-20
35.0		39.0	30.0	PSM-3539-30
35.0		39.0	40.0	PSM-3539-40
35.0		39.0	50.0	PSM-3539-50
40.0		44.0	20.0	PSM-4044-20
40.0		44.0	30.0	PSM-4044-30
40.0		44.0	40.0	PSM-4044-40
40.0		44.0	50.0	PSM-4044-50
40.0	+0.050	44.0	58.0	PSM-4044-58
45.0	+0.150	50.0	20.0	PSM-4550-20
45.0		50.0	30.0	PSM-4550-30
45.0		50.0	40.0	PSM-4550-40
45.0		50.0	50.0	PSM-4550-50
50.0		55.0	20.0	PSM-5055-20
50.0		55.0	30.0	PSM-5055-30
50.0		55.0	40.0	PSM-5055-40
50.0		55.0	50.0	PSM-5055-50
50.0		55.0	60.0	PSM-5055-60
60.0		65.0	50.0	PSM-6065-50
60.0	+0.060	65.0	60.0	PSM-6065-60
65.0	+0.180	70.0	50.0	PSM-6570-50
75.0		80.0	80.0	PSM-7580-80
90.0	+0.072	95.0	100.0	PSM-9095-100
95.0	+0.212	100.0	100.0	PSM-95100-100

[3] After press-fit. Testing methods ▶ Page 57

Couldn'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 very quickly.

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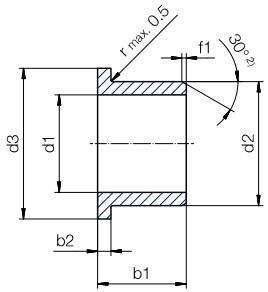
iglidur® P | Product range

Flange bearing (Form F)



[2] Thickness < 1 mm: chamfer = 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

Order key

Type	Dimensions [mm]					
P	F	M	-04	05	-04	
iglidur® material	Form F	Metric	Inner-Ø d1	Outer-Ø d2	Length b1	

Dimensions according to ISO 3547-1 and special dimensions

Imperial dimensions available
▶ From page 1438

Dimensions [mm]

d1	d1- Tolerance[3]	d2	d3 d13	b1 h13	b2	Part No.
4.0		5.5	9.5	4.0	0.75	PFM-0405-04
5.0		6.0	10.0	3.0	0.5	PFM-0506-03
5.0	+0.020	7.0	11.0	5.0	1.0	PFM-0507-05
6.0	+0.068	8.0	12.0	4.0	1.0	PFM-0608-04
6.0		8.0	12.0	6.0	1.0	PFM-0608-06
6.0		8.0	12.0	8.0	1.0	PFM-0608-08
7.0		9.0	15.0	4.0	1.0	PFM-0709-04
8.0		10.0	15.0	5.5	1.0	PFM-0810-05
8.0		10.0	15.0	7.5	1.0	PFM-0810-07
8.0		10.0	15.0	9.5	1.0	PFM-0810-09
8.0		10.0	15.0	10.0	1.0	PFM-0810-10
8.0	+0.025	10.0	15.0	15.0	1.0	PFM-0810-15
8.0	+0.083	10.0	12.0	10.0	1.0	PFM-081012-10
10.0		12.0	18.0	7.0	1.0	PFM-1012-07
10.0		12.0	18.0	9.0	1.0	PFM-1012-09
10.0		12.0	18.0	10.0	1.0	PFM-1012-10
10.0		12.0	18.0	12.0	1.0	PFM-1012-12
10.0		12.0	18.0	17.0	1.0	PFM-1012-17
12.0		14.0	20.0	7.0	1.0	PFM-1214-07
12.0		14.0	20.0	9.0	1.0	PFM-1214-09
12.0		14.0	20.0	10.0	1.0	PFM-1214-10
12.0		14.0	20.0	12.0	1.0	PFM-1214-12
12.0	+0.032	14.0	20.0	15.0	1.0	PFM-1214-15
12.0	+0.102	14.0	20.0	17.0	1.0	PFM-1214-17
12.0		14.0	18.0	8.0	1.0	PFM-121418-08
12.0		14.0	20.0	10.0	1.0	PFM-121420-10
14.0		16.0	22.0	4.0	1.0	PFM-1416-04
14.0		16.0	22.0	8.0	1.0	PFM-1416-08
14.0	+0.032 +0.102	16.0	22.0	12.0	1.0	PFM-1416-12
14.0		16.0	22.0	17.0	1.0	PFM-1416-17
14.0		16.0	24.0	25.0	1.0	PFM-141624-25
14.0	+0.050 +0.160	20.0	25.0	10.0	3.0	PFM-1420-10
15.0		17.0	23.0	9.0	1.0	PFM-1517-09
15.0		17.0	23.0	12.0	1.0	PFM-1517-12
15.0		17.0	23.0	17.0	1.0	PFM-1517-17
15.0		17.0	23.0	22.0	1.0	PFM-1517-22
15.0	+0.032 +0.102	18.0	24.0	32.0	1.5	PFM-151824-32
16.0		18.0	24.0	12.0	1.0	PFM-1618-12
16.0		18.0	24.0	17.0	1.0	PFM-1618-17
16.0		18.0	24.0	40.0	1.0	PFM-161824-40
17.0		19.0	25.0	25.0	1.0	PFM-1719-25
18.0		20.0	26.0	12.0	1.0	PFM-1820-12
18.0		20.0	26.0	17.0	1.0	PFM-1820-17
18.0		20.0	26.0	22.0	1.0	PFM-1820-22
20.0		23.0	28.0	11.5	1.5	PFM-2023-11
20.0		23.0	28.0	15.0	1.5	PFM-202328-15
20.0		23.0	30.0	16.5	1.5	PFM-2023-16
20.0		23.0	30.0	21.0	1.5	PFM-2023-21
20.0		23.0	30.0	30.0	1.5	PFM-2023-30
24.0	+0.040 +0.124	27.0	32.0	22.0	1.5	PFM-2427-22
25.0		28.0	35.0	11.5	1.5	PFM-2528-11
25.0		28.0	35.0	16.5	1.5	PFM-2528-16
25.0		28.0	35.0	21.5	1.5	PFM-2528-21
30.0		34.0	42.0	16.0	2.0	PFM-3034-16
30.0		34.0	42.0	26.0	2.0	PFM-3034-26

[3] After press-fit. Testing methods ▶ Page 57

Dimensions [mm]

d1	d1- Tolerance[3]	d2	d3 d13	b1 h13	b2	Part No.
30.0	+0.040	34.0	42.0	30.0	2.0	PFM-3034-30
30.0	+0.124	34.0	42.0	37.0	2.0	PFM-3034-37
35.0		39.0	47.0	16.0	2.0	PFM-3539-16
35.0	+0.050	39.0	47.0	26.0	2.0	PFM-3539-26
40.0	+0.150	44.0	52.0	30.0	2.0	PFM-4044-30
40.0		44.0	52.0	40.0	2.0	PFM-4044-40
45.0	+0.050	50.0	58.0	50.0	2.0	PFM-4550-50
50.0	+0.150	55.0	63.0	50.0	2.0	PFM-5055-50
60.0		65.0	73.0	40.0	2.0	PFM-6065-40
60.0	+0.060	65.0	73.0	50.0	2.0	PFM-6065-50
70.0	+0.180	75.0	83.0	50.0	2.0	PFM-7075-50
80.0		85.0	93.0	100.0	2.5	PFM-8085-100

[3] After press-fit. Testing methods ▶ Page 57

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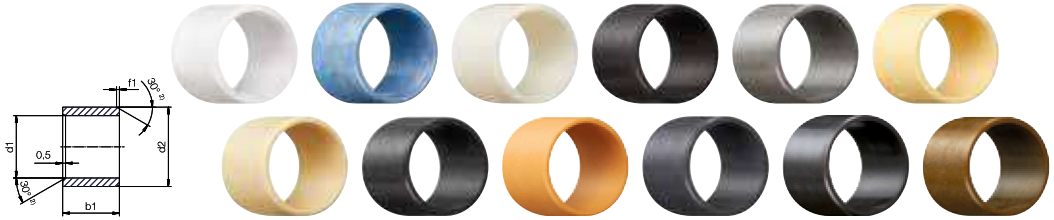

Dimensions sleeve Abmessungen zylindrisch [mm]

Part No. Art.-Nr.	d1	d1 tolerance d1-Toleranz	d2	b1 h13
A180SM-0810-15	8.0	+0.025 +0.083	10.0	15.0
A350SM-1416-12	14.0	+0.016 +0.068	16.0	12.0
C500SM-3034-30	30.0	+0.020 +0.104	34.0	30.0
F2SM-1214-15	12.0	+0.032 +0.102	14.0	15.0
F2SM-1618-20	16.0	+0.032 +0.102	18.0	20.0
GSM-0406-06	4.0	+0.020 +0.068	6.0	6.0
GSM-0810-36	8.0	+0.025 +0.083	10.0	36.0
GSM-120125-78	120.0	+0.072 +0.212	125.0	78.0
GSM-1214-45	12.0	+0.032 +0.102	14.0	45.0
GSM-1820-30	18.0	+0.032 +0.102	20.0	30.0
GSM-1822-15	18.0	+0.032 +0.102	22.0	15.0
GSM-2021-095	20.0	+0.020 +0.072	21.0	9.5
JSM-0814-08	8.0	+0.040 +0.130	14.0	8.0
JSM-1216-06	12.0	+0.050 +0.0160	16.0	6.0
JSM-1218-10	12.0	+0.050 +0.0160	18.0	10.0
JSM-1315-06	13.0	+0.050 +0.0160	15.0	6.0
JSM-1620-20	16.0	+0.050 +0.0160	20.0	20.0
JSM-6065-100	60.0	+0.060 +0.180	65.0	100.0
MSM-1620-10	16.0	+0.050 +0.0160	20.0	10.0
P210SM-1214-04	12.0	+0.032 +0.102	14.0	4.0
PSM-0608-05	6.0	+0.020 +0.068	8.0	5.0
PSM-0812-10	8.0	+0.040 +0.130	12.0	10.0
PSM-3236-15	32.0	+0.050 +0.150	36.0	15.0
Q2SM-1012-04	10.0	+0.025 +0.083	12.0	4.0
Q2SM-4246-52	42.0	+0.050 +0.150	46.0	52.0
X6SM-1416-22	14.0	+0.016 +0.086	16.0	22.0
X6SM-1618-12	16.0	+0.016 +0.086	18.0	12.0
X6SM-2023-15	20.0	+0.020 +0.104	23.0	15.0
ZSM-2225-35	22.0	+0.020 +0.104	25.0	35.0
ZSM-6065-25	60.0	+0.030 +0.150	65.0	25.0
ZSM-9095-100	90.0	+0.036 +0.176	95.0	100.0

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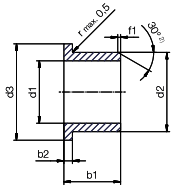

Dimensions with flange Abmessungen mit Bund [mm]

Part No. Art.-Nr.	d1	d1 tolerance d1-Toleranz	d2	d3	b1 h13	b2
GFM-060710-06	6.0	+0.010 +0.040	7.0	10.0	6.0	0.5
GFM-0812-16	8.0	+0.040 +0.130	12.0	16.0	16.0	2.0
GFM-101115-03	10.0	+0.013 +0.046	11.0	15.0	3.0	1.0
GFM-1012-11	10.0	+0.025 +0.083	12.0	18.0	11.0	1.0
GFM-1012-25	10.0	+0.025 +0.083	12.0	18.0	25.0	1.0
GFM-1719-07	17.0	+0.032 +0.102	19.0	25.0	7.0	1.0
GFM-2527-12	25.0	+0.040 +0.124	27.0	32.0	12.0	1.0
GFM-2527-15	25.0	+0.040 +0.124	27.0	32.0	15.0	1.0
GFM-3034-12	30.0	+0.040 +0.124	34.0	42.0	12.0	2.0
GFM-303440-07	30.0	+0.040 +0.124	34.0	40.0	7.0	2.0
H1FM-0405-06	4.0	+0.010 +0.058	5.5	9.5	6.0	0.8
J350FM-6065-50	60.0	+0.030 +0.150	65.0	73.0	50.0	2.0
J3FM-081418-15	8.0	+0.025 +0.083	14.0	18.0	15.0	2.0
JFM-040810-15	4.0	+0.020 +0.068	8.0	10.0	15.0	2.0
JFM-0810-03	8.0	+0.025 +0.083	10.0	15.0	3.0	1.0
JFM-121419-06	12.0	+0.032 +0.102	14.0	19.0	6.0	1.0
JFM-121622-20	12.0	+0.050 +0.0160	16.0	22.0	20.0	2.0
JFM-2023-07	20.0	+0.040 +0.124	23.0	30.0	7.0	1.5
PFM-1214-08	12.0	+0.032 +0.102	14.0	8.0	20.0	1.0
PFM-1618-08	16.0	+0.032 +0.102	18.0	8.0	24.0	1.0
P210FM-0405-06	4.0	+0.020 +0.068	5.5	9.5	6.0	0.8
Q290FM-8085-100	80.0	+0.060 +0.180	85.0	93.0	100.0	2.5
Q2FM-101219-13	10.0	+0.025 +0.083	12.0	19.0	13.0	1.0
Q2FM-1013-05	10.0	+0.025 +0.083	13.0	20.0	5.0	1.0
Q2FM-2023-07	20.0	+0.040 +0.124	23.0	30.0	7.0	1.5
QFM-101215-04	10.0	+0.025 +0.083	12.0	15.0	4.0	1.0
QFM-121418-06	12.0	+0.032 +0.102	14.0	18.0	6.0	1.0
WFM-2023-08	20.0	+0.040 +0.124	23.0	30.0	8.0	1.5
XFM-1214-50	12.0	+0.016 +0.086	14.0	50.0	20.0	1.0
X6FM-0608-04	6.0	+0.010 +0.058	8.0	12.0	4.0	1.0
ZFM-1012-25	10.0	+0.013 +0.071	12.0	18.0	25.0	1.0
ZFM-2023-075	20.0	+0.020 +0.104	23.0	30.0	7.5	1.5

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