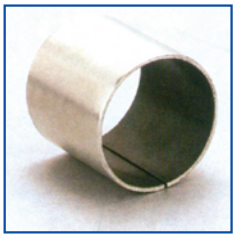
SF–1X OILLESS BEARING

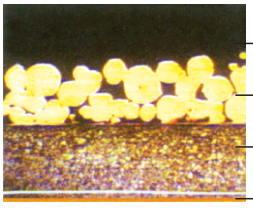


Application case

APPLICATION FEATURES

1、Dry or only a trace of grease or oil required, maintenance free.
2、Low friction with long life.
3、Load will spread over a wider area due to the bearing material's elastic nature.
4、Low stick slip properties ensuring accuracy of machine operation under low sliding speeds.
5、Low vibration,low noise and non–pollution in operation.
6、PTFE and lead film is transferred to the mating shaft to improve running properties.
7、It can be used in low hardness of mating shaft, so the shafts processing is easy.
8、The machine will be compact because of the thin thickness and low weight of the bush.
9、Electroplating on outer layer to prevent corrosion. It is widely used in various sliding motions for different kind of machines such as printing machine, textile machine, tobacco machines, hydraulic vehicles automobiles, agriculture machines and so on.

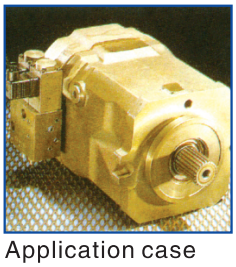
STRUCTURE



1、PTFE with lead 0.01 ~ 0.03mm
2、Porous bronze 0.2~0.3mm
3、Steel backing 0.7~2.3mm
4、Tin–plating 0.005mm or copper plating 0.008mm

Metallurgical structure

SF–1T GEAR PUMP BEARING

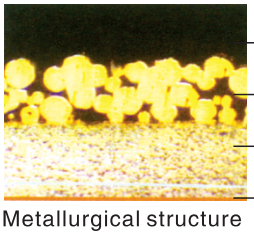


Application case

APPLICATION FEATURES

1、Low friction under oil condition.
2、Wear resistant and anti–impact.
3、At hydrodynamic lubrication, the PV limit reaches to 120N/mm^2 · m/s.
4、It is the best choice for the bushes in various kinds of gear pumps as well as plunger, vane pumps and so on.

STRUCTURE



1、PTFE with lead 0.01–0.03mm
2、Porous bronze 0.2–0.3mm
3、Steel backing 0.7–2.3mm
4、Tinplating 0.005mm or copper plating 0.008mm

Metallurgical structure

SF–1P RECIPROCATING MOTION BEARING

Application case

APPLICATION FEATURES

1、It is wear resistant efficient and even under sudden break off the lubricating oil, so it can keep the lubricating oil clear after long period of working.

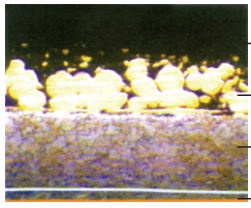
2、It can protect the mating surface from wearing.

3、It is particularly suitable for bushes in reciprocating motion.

4、It is suitable for the machine requiring harmless to people because of lead–free.

5、It is used in shock absorber of motorcycles and various hydraulic cylinders, hydraulic motors and pneumatic elements etc.

STRUCTURE



1、PTFE with Cu 0.0 1–0.03mm

2、Porous bronze 0.2–0.3m m

3、Steel backing 0.7–2.3mm

4、Tin–plating 0.005mm or copper plating 0.008mm

Metallurgical structure

SF–1W LEAD–FREE BEARING

Application case

APPLICATION FEATURES

1、PTFE and fibre can protect the shaft while in operation.

2、It is suitable for the machine requiried harmless to people because of Lead–free.

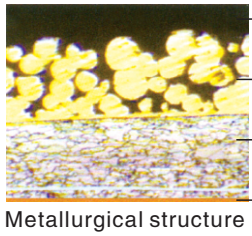
3、Good load capacity and anti–wear.

4、Bronze and steel have good thermal conductivity.

5、Anti–corrosion because of surface plating.

6、It is widely used in general machines, and suitable for food machine, pharmaceutical machine, tobacco machine etc. it will substitute SF–1 in future because of environment protection.

STRUCTURE



1、PTFE with fibre 0.01–0.03mm

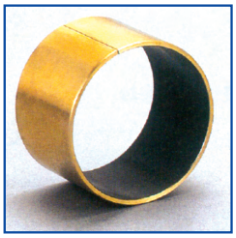
2、Porous bronze 0.2–0.3mm

3、Steel backing 0.7–2.3mm

4、Tinplating 0.005mm or copper plating 0.008mm

Metallurgical structure

SF–1B BRONZE–BASED BEARING



Application case

APPLICATION FEATURES

1、PTFE and lead mixture can protect the shaft, while the machine in operation.

2、Bronze have good thermal conductivity, it'll divert heat created by machine operating.

3、It can be applied in the machine, which is working in long time, then examine and repair is incapable. Because the bronze can lubricate itself.

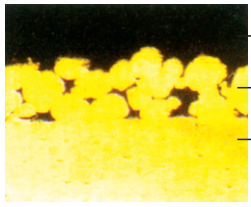
4、It is used in the feeble acid and alkali condition because of good anti–corrosion capability of bronze backing.

5、Good load capacity.

6、It is widely used in steel metallurgy industry, such as bushes for foller grooves of successive casting machines, cement grouting pumps and scrow conveyers of machine etc.

7、It can be composed in steel housing, or fabricated into flanged bushes.

STRUCTURE



1、PTFE with Pb 0.01~0.03mm

2、Porous bronze 0.2~0.3mm

3、Bronze backing 0.7~2.3mm

Metallurgical structure

SF–1D HYDRAULIC BEARING

Application case

APPLICATION FEATURES

1、PTFE with oil fibre can protect the shaft, while machine in operation.

2、It is of low friction coefficient, good anti–wear.

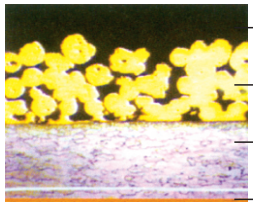
3、Good running in property.

4、It fits well in motion of circumgyration, sway and reciprocation.

5、It can be used in food machine, pharmaceutical machine etc. due to lead–free.

6、Besides the same function of SF–1P, SF–1D in particular fits frequently reciprocating motion with a high side force, it is widely used in automobile, motordamper and oil Pumps etc.

STRUCTURE



1、PTFE with fibre 0.0 1–0.03mm

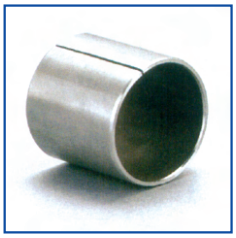
2、Porous bronze 0.2–0.3mm

3、Steel backing 0.7–2.3mm

4、Tin– plating 0.005mm or copper plating 0.008mm

Metallurgical structure

SF–1S STAINLESS STEEL BEARING

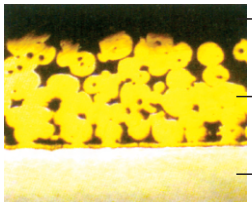


Application case

APPLICATION FEATURES

1、PTFE with oil fibre can protect the shaft, while machine in operation.
2、It is of low friction coefficient, good anti–wear.
3、Good running in property.
4、It fits well in motion of rotating, sway and reciprocating.
5、Good anti–corrosion.
6、It can be used in food machine, pharmaceuticai machine etc. due to lead–free.
7、It is mainly used in the condition of strong acid and alkali, such as chemical industry, pumps, valves etc.

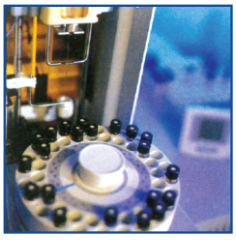
STRUCTURE



1、PTFE with fibre 0.01–0.03mm
2、PorouS bronze 0.2–0.3mm
3、Stainless steel backing 0.7–2.3mm

Metallurgical structure

SF–1SS LINING–SPRAYED STAINLESS STEEL BEARING

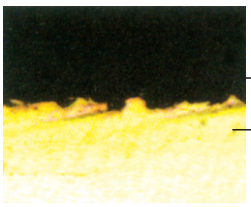


Application case

APPLICATION FEATURES

1、PTFE with oil fibre can protect the shaft, while machine operated.
2、It is of low friction coefficient, good anti–wear.
3、Good running in property.
4、It fits well in motion of circumgyration, sway and reciprocating.
5、Good anti–corrosion.
6、It can be used in food machine, pharmaceutical machine etc due to lead–free.
7、It is mainly used in the condition of medium acid and alkali, such as chemical industry, pumps, valves etc.

STRUCTURE



1、PTFE with fibre 0.01–0.03mm
2、Stainless steel backing 0.7–2.3mm

Metallurgical structure

BEARING OUTSIDE TOLERANCES TABLE

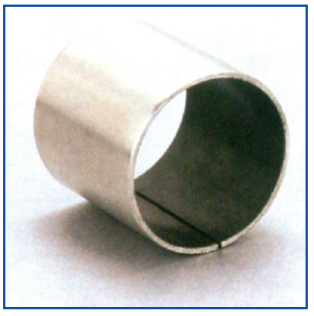
Outside diameter	Tolerance for outside diameter
≤ 10	+0.055 +0.025
10<d ≤ 18	+0.065 +0.030
18<d ≤ 30	+0.075 +0.035
30<d ≤ 50	+0.085 +0.045
50<d ≤ 80	+0.100 +0.055
80<d ≤ 105	+0.120 +0.070
105<d ≤ 180	+0.170 +0.100
180<d ≤ 250	+0.210 +0.130
250<d ≤ 305	+0.260 +0.170

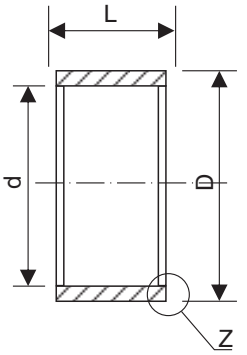
THE TOLERANCE AND THICKNESS OF STANDARD METRIC BEARING

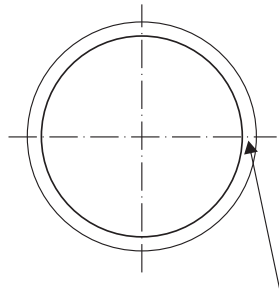
Inside diameter	Thickness	Tolerance for wall thickness
5≤d<20	1.0	+0.005 −0.020
20≤d<28	1.5	+0.005 −0.025
28≤d<45	2.0 2.5	+0.005 −0.030
45≤d<80	2.5	+0.005 −0.040
80≤d<1 20	2.5	−0.010 −0.060
120≤d		−0.035 −0.085

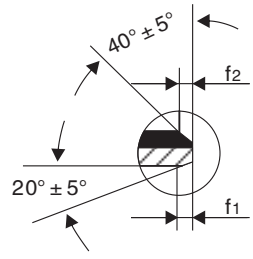
PHYSICAL CHARACTERISTICS OF SF SERIES

Type	Load capacity (N/mm^2)			PV limit ($N/mm^2 \cdot m/s$)		Speed limit (in oil) (m/s)	Temp. Limit (℃)	μ Friction Coef.	Thermal conductivity (W/MK)	Linear expansion
	Static	Dynamic	Oscillating	Oil	Dry					
SF-1X	250	140	60	50	3.6	5.0	-195~270	0.04~0.20	13	11×10^{-6}/k
SF-1T	250	140	60	60	4.3	10	-195~260	0.03~0.18	13	11×10^{-6}/k
SF-1P	250	140	60	50	1.8	2.5	-195~270	0.04~0.20	13	11×10^{-6}/k
SF-1 W	250	140	60	50	3.6	5.0	-195~300	0.04~0.20	13	11×10^{-6}/k
SF-1B	250	140	60	60	4.3	5.0	-195~270	0.04~0.18	18	21×10^{-6}/k
SF-1D	250	140	60	50	3.8	3.0	-195~270	0.04~0.18	16	15×10^{-6}/k
SF-1S	250	140	60	50	3.6	4.5	-195~270	0.04~0.20	16	15×10^{-6}/k
SP-1SS	250	140	60	40	3.0	2.5	-195~270	0.04~0.25	13	15×10^{-6}/k









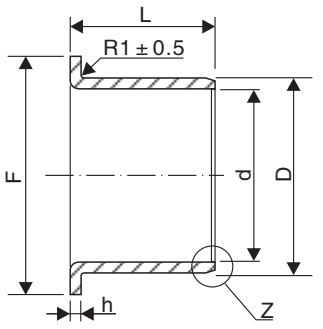
Magnified Z

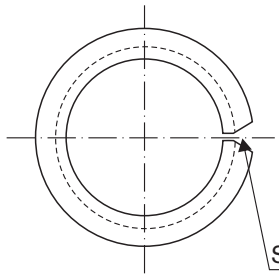
mm

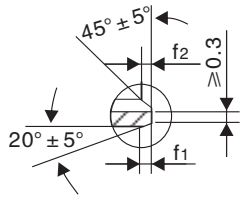
d	D	Shaft Dia.	Housing Bore H7	Wall Thickness		f_1	f_2	$L_{-0.40}^{0}$ ($_{>\phi30L-0.4}^{<\phi28L-0.3}$)									
				Min.	Max.			6	8	10	12	15	20	25	30	40	50
6	8	$6^{-0.013}_{-0.028}$	$8^{+0.015}$					0606	0608	0610							
8	10	$8^{-0.013}_{-0.028}$	$10^{+0.015}$					0806	0808	0810	0812	0815					
10	12	$10^{-0.016}_{-0.034}$	$12^{+0.018}$					1006	1008	1010	1012	1015	1020				
12	14	$12^{-0.016}_{-0.034}$	$14^{+0.018}$					1206	1208	1210	1212	1215	1220	1225			
13	15	$13^{-0.016}_{-0.034}$	$15^{+0.018}$	0.980	1.005	0.5	0.3			1310			1320				
14	16	$14^{-0.016}_{-0.034}$	$16^{+0.018}$							1410	1412	1415	1420	1425			
15	17	$15^{-0.016}_{-0.034}$	$17^{+0.018}$							1510	1512	1515	1520	1525			
16	18	$16^{-0.016}_{-0.034}$	$18^{+0.018}$							1610	1612	1615	1620	1625			
17	19	$17^{-0.016}_{-0.034}$	$19^{+0.021}$							1710	1712		1720				
18	20	$18^{-0.016}_{-0.034}$	$20^{+0.021}$							1810	1812	1815	1820	1825			
20	23	$20^{-0.020}_{-0.041}$	$23^{+0.021}$							2010	2012	2015	2020	2025			
22	25	$22^{-0.020}_{-0.041}$	$25^{+0.021}$	1.475	1.505	0.8	0.4			2210	2212	2215	2220	2225			
24	27	$24^{-0.020}_{-0.041}$	$27^{+0.021}$									2415	2420	2425	2430		
25	28	$25^{-0.020}_{-0.041}$	$28^{+0.021}$							2510	2512	2515	2520	2525	2530	2540	2550
28	32	$28^{-0.020}_{-0.041}$	$32^{+0.025}$									2815	2820	2825	2830	2840	
30	34	$30^{-0.020}_{-0.041}$	$34^{+0.025}$								3012	3015	3020	3025	3030	3040	
32	36	$32^{-0.025}_{-0.050}$	$36^{+0.025}$	1.970	2.005	1.0	0.5						3220	3225	3230	3240	
35	39	$35^{-0.025}_{-0.050}$	$39^{+0.025}$								3512	3515	3520	3525	3530	3540	3550
38	42	$38^{-0.025}_{-0.050}$	$42^{+0.025}$									3815		3825	3830	3840	
40	44	$40^{-0.025}_{-0.050}$	$44^{+0.025}$								4012		4020	4025	4030	4040	4050

mm

d	D	Shaft Dia.	Housing Bore H7	Wall Thickness		f_1	f_2	$L^{0}_{-0.40}$ ($<\phi 28L-0.3$ / $>\phi 30L-0.4$)								
				Min.	Max.			20	25	30	40	50	60	70	80	100
45	50	$45^{-0.025}_{-0.050}$	$50^{+0.025}$					4520	4525	4530	4540	4550				
50	55	$50^{-0.030}_{-0.060}$	$55^{+0.030}$					5020		5030	5040	5050	5060			
55	60	$55^{-0.030}_{-0.060}$	$60^{+0.030}$							5530	5540	5550	5560			
60	65	$60^{-0.030}_{-0.060}$	$65^{+0.030}$	2.460	2.505	1.2	0.6			6030	6040	6050	6060	6070		
65	70	$65^{-0.030}_{-0.060}$	$70^{+0.030}$							6530	6540	6550	6560	6570		
70	75	$70^{-0.030}_{-0.060}$	$75^{+0.030}$								7040	7050	7060	7070	7080	
75	80	$75^{-0.030}_{-0.060}$	$80^{+0.030}$							7530	7540	7550	7560	7570	7580	
80	85	$80_{-0.035}$	$85^{+0.035}$								8040	8050	8060	8070	8080	80100
85	90	$85_{-0.035}$	$90^{+0.035}$								8540				8580	85100
90	95	$90_{-0.035}$	$95^{+0.035}$								9040	9050	9060		9080	90100
95	100	$95_{-0.035}$	$100^{+0.035}$	2.440	2.490	1.4	0.7					9550	9560		9580	95100
100	105	$100_{-0.035}$	$105^{+0.035}$									10050	10060		10080	
105	110	$105_{-0.035}$	$110^{+0.035}$										10560		10580	
110	115	$110_{-0.035}$	$115^{+0.035}$										11060		11080	
120	125	$120_{-0.04}$	$125^{+0.035}$										12060		12080	
125	130	$125_{-0.04}$	$130^{+0.04}$										12560		12580	125100
130	135	$130_{-0.04}$	$135^{+0.04}$										13060			130100
140	145	$140_{-0.04}$	$145^{+0.04}$										14060		14080	140100
150	155	$150_{-0.04}$	$155^{+0.04}$									15050	15060		15080	150100
160	165	$160_{-0.04}$	$165^{+0.04}$										16060		16080	160100
180	185	$180_{-0.046}$	$185^{+0.046}$	2.415	2.465	1.6	0.8								18080	180100
190	195	$190_{-0.046}$	$195^{+0.046}$												19080	190100
200	205	$200_{-0.046}$	$205^{+0.046}$										20060		20080	200100
220	225	$220_{-0.046}$	$225^{+0.046}$												22080	220100
250	255	$250_{-0.052}$	$255^{+0.052}$												25080	250100
260	265	$260_{-0.052}$	$265^{+0.052}$												26080	260100
280	285	$280_{-0.052}$	$285^{+0.052}$												28080	280100
300	305	$300_{-0.052}$	$305^{+0.052}$												30080	300100



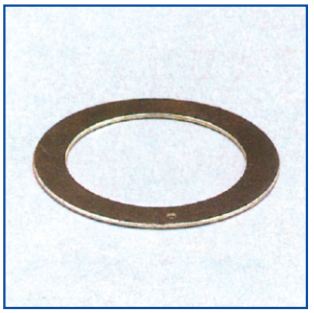


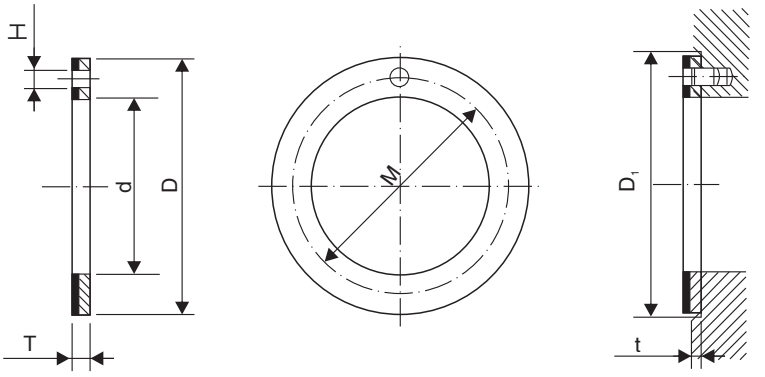


Magnified Z

mm

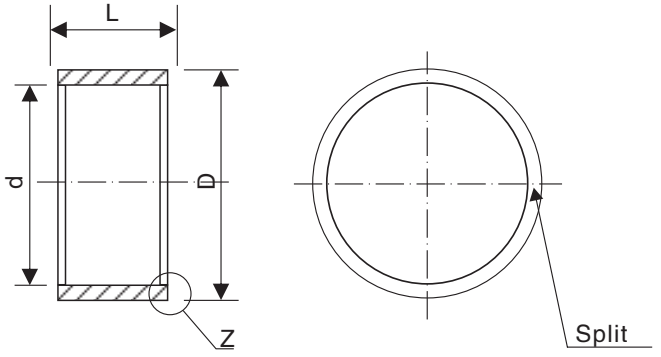
Model No.	Shaft Dia.	Housing H7	d	D	F ± 0.25	L ± 0.25	H−0.2	f_1	f_2
SF−1F 06040	$6^{-0.013}_{-0.028}$	$8^{+0.015}$	6	8	12	4			
SF−1F 06070						7			
SF−1F 08055	$8^{-0.013}_{-0.028}$	$10^{+0.015}$	8	10	15	5.5			
SF−1F 08075						7.5			
SF−1F 10070						7			
SF−1F 10090	$10^{-0.016}_{-0.034}$	$12^{+0.018}$	10	12	18	9			
SF−1F 10120						12			
SF−1F 12070						7			
SF−1F 12090	$12^{-0.016}_{-0.034}$	$14^{+0.018}$	12	14	20	9	1	0.5	0.4
SF−1F 12120						12			
SF−1F 14120	$14^{-0.016}_{-0.034}$	$16^{+0.018}$	14	16	22	12			
SF−1F 14170						17			
SF−1F 15090						9			
SF−1F 15120	$15^{-0.016}_{-0.034}$	$17^{+0.018}$	15	17	23	12			
SF−1F 15170						17			
SF−1F 16120	$16^{-0.016}_{-0.034}$	$18^{+0.018}$	16	18	24	12			
SF−1F 16170						17			
SF−1F 18120	$18^{-0.016}_{-0.034}$	$20^{+0.021}$	18	20	26	12			
SF−1F 18170						17			
SF−1F 18200						20			
SF−1F 20115	$20^{-0.020}_{-0.041}$	$23^{+0.021}$	20	23	30	11.5			
SF−1F 20165						16.5			
SF−1F 20215						21.5			
SF−1F 22150	$22^{-0.020}_{-0.041}$	$25^{+0.021}$	22	25	32	15	1.5	0.8	0.4
SF−1F 22200						20			
SF−1F 25115	$25^{-0.020}_{-0.041}$	$28^{+0.021}$	25	28	35	11.5			
SF−1F 25165						16.5			
SF−1F 25215						21.5			
SF−1F 30160	$30^{-0.025}_{-0.050}$	$34^{+0.025}$	30	34	42	16			
SF−1F 30260						26			
SF−1F 35160	$35^{-0.025}_{-0.050}$	$39^{+0.025}$	35	39	47	16	2	1.0	0.5
SF−1F 35260						26			
SF−1F 40260	$40^{-0.025}_{-0.050}$	$44^{+0.025}$	40	44	53	26			
SF−1F 40400						40			





mm

Model No.	Shaft Dia.	Size Of Washer				Size For Installation		
		$d^{+0.25}$	$D_{-0.25}$	$T_{-0.05}$	$M^{+0.12}_{-0.12}$	H	t	D_1
WC10SF-1	8	10	20	1.5	15	1.5	1	20
WC12SF-1	10	12	24	1.5	18	1.5	1	24
WC14SF-1	12	14	26	1.5	20	2	1	26
WC16SF-1	14	16	30	1.5	23	2	1	30
WC18SF-1	16	18	32	1.5	25	2	1	32
WC20SF-1	18	20	36	1.5	28	3	1	36
WC22SF-1	20	22	38	1.5	30	3	1	38
WC24SF-1	22	24	42	1.5	33	3	1	42
WC26SF-1	24	26	44	1.5	35	3	1	44
WC28SF-1	25	28	48	1.5	38	4	1	48
WC32SF-1	30	32	54	1.5	43	4	1	54
WC38SF-1	35	38	62	1.5	50	4	1	62
WC42SF-1	40	42	66	1.5	54	4	1	66
WC48SF-1	45	48	74	1.5	61	4	1.5	74
WC52SF-1	50	52	78	2	65	4	1.5	78
WC62SF-1	60	62	90	2	76	4	1.5	90

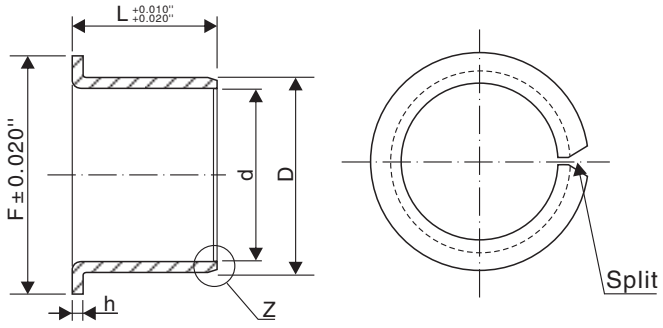


Inch

Nominal Bearing bore	Shaft Dia.	Housing bore	Installed bearing I.D.	Wall Thickness		L											
				Min.	Max.	1/8	5/32	3/16	1 /4	3/8	1 /2	5/8	3 /4	7/8	1	1 1/8	1 1 /4	1 1 /2
1/8	.1243 .1236	.1873 .1878	.1243 .1268			02/02		02/03										
5/32	.1554 .1547	.2186 .2191	.1556 .1581				025/025		025/04									
3/16	.1865 .1858	.2497 .2503	.1867 .1893	0.0308	0.0316			03/03	03/04	03/06								
1 /4	.2490 .2481	.3122 .3128	.2492 .2518						04/04	04/06								
5/16	.3115 .3106	.3747 .3753	.3117 .3143							05/06	05/08							
3/8	.3740 .3731	.4684 .4691	.3742 .3769					06/03	06/04	06/06	06/08	06/10	06/12					
7/16	.4365 .4355	.5309 .5316	.4367 .4394								07/08		07/12					
1 /2	.4990 .4980	.5934 .5941	.4992 .5019	0.0461	0.0472				08/04	08/06	08/08	08/10	08/12	08/14				
9/16	.5615 .5605	.6559 .6566	.5617 .5644							09/06	09/08	09/10	09/12					
5/8	.6240 .6230	.7184 .7192	.6242 .6270						10/04		10/08	10/10	10/12	10/14	10/16			
11/16	.6865 .6855	.7809 .7817	.6867 .6895											11/14				
3 /4	.7491 .7479	.8747 .8755	.7493 .7525						12/04	12/06	12/08	12/10	12/12		12/16			
13/16	.8116 .8104	.9372 .9380	.8118 .8150	0.0614	0.0627								13/12			13/18		
7/8	.8741 .8729	.9997 1.0005	.8743 .8775						14/04	14/06			14/12		14/16		14/20	
1	.9991 .9979	1.1247 1.1255	.9993 1.0025							16/06	16/08		12/16		16/16		16/20	16/24
1 1/8	1.1238 1.1226	1.2808 1.2818	1.1240 1.1278							18/06			18/12		18/16			
1 1 /4	1.2488 1.2472	1.4058 1.4068	1.2490 1.2528							20/06		18/10	20/12	20/14	20/16		20/20	
1 3/8	1.3738 1.3722	1.5308 1.5318	1.3740 1.3778	0.0770	0.0784										22/16			22/24
1 1 /2	1.4988 1.4972	1.6558 1.6568	1.4990 1.5028								24/08				24/16	24/18	24/20	24/24
1 5/8	1.6238 1.6222	1.7808 1.7818	1.6240 1.6278															26/24

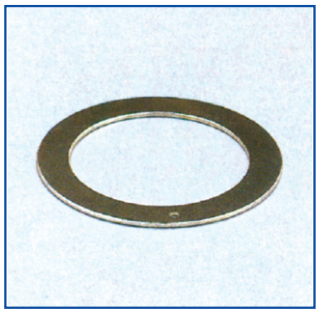
Inch

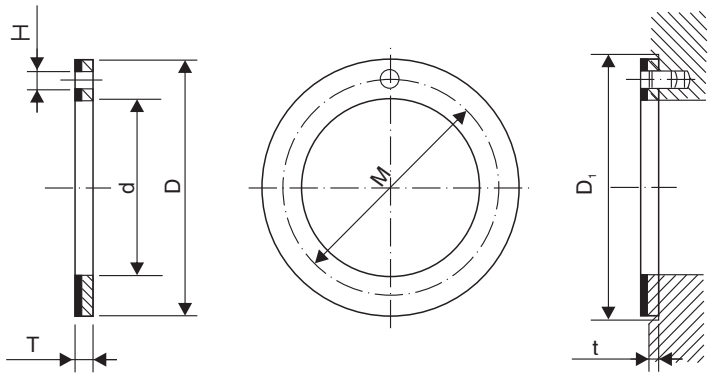
Nominal Bearing bore	Shaft Dia.	Housing bore	Installed bearing I.D.	Wall Thickness		L											
				Min.	Max.	1	1 1/2	1 5/8	2	2 1/4	2 3/8	2 1/2	3	3 1/2	3 3/4	4	4 1/2
1 3/4	1.7488 1.7472	1.9269 1.9279	1.7493 1.7555			28/16	28/24		28/32								
1 7/8	1.8738 1.8722	2.0519 2.0531	1.8743 1.8807	0.0921	0.0939		30/24		30/32	30/36							
2	1.9988 1.9970	2.1769 2.1781	1.9993 2.0057			32/16	32/24		32/32			32/40					
2 1/8	2.1257 2.1239	2.3118 2.3130	2.1262 2.1326										34/48				
2 1/4	2.2507 2.2489	2.4365 2.4377	2.2509 2.2573						36/32			36/40	36/48	36/56	36/60	36/64	36/72
2 1/2	2.5011 2.4993	2.6869 2.6881	2.5013 2.5077			40/16		40/26	40/32			40/40	40/48	40/56	40/60	40/64	40/72
2 3/4	2.7500 2.7482	2.9358 2.9370	2.7502 2.7566						44/32	44/36		44/40	44/48	44/56	44/60	44/64	44/72
2 7/8	2.8752 2.8734	3.0610 3.0623	2.8754 2.8819						46/32	46/36		46/40	46/48	46/56	46/60	46/64	46/72
3	3.0000 2.9982	3.1858 3.1872	3.0002 3.0038						48/32	48/36		48/40	48/48	48/56	48/60	48/64	48/72
3 1/4	3.2500 3.2480	3.4358 3.4372	3.2502 3.2538	0.0906	0.0925				52/32		52/38	52/40	52/48	52/56	52/60	52/64	52/72
3 1/2	3.5000 3.4978	3.6858 3.6872	3.5002 3.5068						56/32		56/38	56/40	56/48	56/56	56/60	56/64	56/72
3 5/8	3.6250 3.6228	3.8018 3.8122	3.6252 3.6318						58/32	58/36		58/40	58/48	58/56	58/60	58/64	58/72
3 3/4	3.7500 3.7478	3.9358 3.9372	3.7502 3.7568						60/32	60/36		60/40	60/48	60/56	60/60	60/64	60/72
4	4.0000 3.9978	4.1858 4.1872	4.0002 4.0068						64/32	64/36		64/40	64/48	64/56	64/60	64/64	64/72
4 1/4	4.2500 4.2478	4.4358 4.4372	4.2502 4.2568						68/32	68/36		68/40	68/48	68/56	68/60	68/64	68/72
4 3/8	4.3750 4.3728	4.5608 4.5622	4.3752 4.3818						70/32	70/36		70/40	70/48	70/56	70/60	70/64	70/72
4 1/2	4.5000 4.4978	4.6858 4.6872	4.5002 4.5038						72/32	72/36		72/40	72/48	72/56	72/60	72/64	72/72
4 3/4	4.7500 4.7475	4.9358 4.9374	4.7502 4.7572						76/32	76/36		76/40	76/48	76/56	76/60	76/64	76/72
5	4.9986 4.9961	5.1844 5.1860	4.9988 5.0056						80/32	80/36		80/40	80/48	80/56	80/60	80/64	80/72
5 1/4	5.2500 5.2475	5.4358 5.4374	5.2502 5.2570						84/32	84/36		84/40	84/48	84/56	84/60	84/64	84/72
5 1/2	5.5000 5.4975	5.6458 5.6874	5.5002 5.5070						88/32	88/36		88/40	88/48	88/56	88/60	88/64	88/72
5 3/4	5.7500 5.7475	5.9358 5.9374	5.7502 5.7570						92/32	92/36		92/40	92/48	92/56	92/60	92/64	92/72
6	6.0000 5.9975	6.1858 6.1874	6.0002 6.0070	0.0896	0.0915				96/32	96/36		96/40	96/48	96/56	96/60	96/64	96/72
6 1/4	6.2500 6.2475	6.4358 6.4374	6.2502 6.2570						100/32	100/36		100/40	100/48	100/56	100/60	100/64	100/72
6 1/2	6.5000 6.4975	6.6858 6.6874	6.5002 6.5070						104/32	104/36		104/40	104/48	104/56	104/60	104/64	104/72
6 3/4	6.7500 6.7475	6.9358 6.9374	6.7502 6.7570						108/32	108/36		108/40	108/48	108/56	108/60	108/64	108/72
7	6.9954 6.9929	7.1812 7.1830	6.9956 7.0026						112/32	112/36		112/40	112/48	112/56	112/60	112/64	112/72



Inch

Nominal Bearing bore	Shaft Dia.	Housing bore H7	Installed bearing	Nominal flange	Flange Thick–ness	L								
						1/4	3/8	1/2	5/8	3/4				
3/8	.3750 .3740	.4684 .4691	.3752 .3779	11/16	.052 .044	06/04F	06/06F	06/08F		06/12F				
1/2	.5000 .4990	.5934 .5941	.5002 .5029	13/16	.052 .044	08/04F	08/06F	08/08F		08/12F				
5/8	.6250 .6240	.7184 .7192	.6252 .6280	15/16	.052 .044		10/06F	10/08F	10/10F	10/12F				
3/4	.7500 .7488	.8747 .8755	.7502 .7534	1 1/8	.068 .060		12/06F	12/08F		12/12F	12/16F			
7/8	.8750 .8738	0.9997 1.0005	.8752 .8784	1 1/4	.068 .060			14/08F		14/12F	14/16F	14/20F		
1	1.0000 0.9988	1.1247 1.1255	1.0002 1.0034	1 3/8	.068 .060			16/08F		16/12F	16/16F	16/20F		
1 1/4	1.2500 1.2484	1.4058 1.4068	1.2502 1.2540	1 3/4	.083 .075						20/16F	20/20F	20/24F	
1 1/2	1.5000 1.4984	1.6558 1.6568	1.5002 1.5040	2	.083 .075						24/16F		24/24F	
1 3/4	1.7500 1.7484	1.9371 1.9381	1.7502 1.7548	2 3/8	.098 .090						28/16F		28/24F	28/32F





Inch

Model No.	Inside Dia. $d^{+0.010}$	Outside Dia. $D_{-0.010}$	Thickness $T^{+0.0020}$	Pith hole dia. $H^{+0.010}$	Pith hole centre in $M_{-0.010}$	Housing recess depth $t^{+0.010}$
E06SF–1	.500	.875	.0585	.067	.692	.040
E07SF–1	.562	1.000	.0585	.067	.786	.040
E08SF–1	.625	1.125	.0585	.099	.880	.040
E09SF–1	.687	1.187	.0585	.099	.942	.040
E10SF–1	.750	1.250	.0585	.099	1.005	.040
E11SF–1	.812	1.375	.0585	.099	1.099	.040
E12SF–1	.875	1.500	.0585	.130	1.192	.040
E13SF–1	.937	1.625	.0585	.130	1.286	.040
E14SF–1	1.000	1.750	.0585	.130	1.380	.040
E16SF–1	1.125	2.000	.0585	.161	1.567	.040
E18SF–1	1.250	2.125	.0585	.161	1.692	.040
E20SF–1	1.375	2.250	.0585	.161	1.817	.040
E22SF–1	1.500	2.500	.0585	.192	2.005	.040
E24SF–1	1.625	2.625	.0585	.192	2.130	.040
E26SF–1	1.750	2.750	.0585	.192	2.255	.040
E28SF–1	2.000	3.000	.0895	.192	2.505	.070
E30SF–1	2.125	3.125	.0895	.192	2.630	.070
E32SF–1	2.250	3.250	.0895	.192	2.755	.070