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Oil Less

METAL BUSHING

KENT BEARING

Introduction:

The Kent SF-1 Oil Less Metal Bushing is designed for a wide range of applications requiring high performance and reliability. With its self-lubricating properties, it is ideal for use in environments where traditional lubricants are not feasible. This product combines the advantages of a metal base with the unique benefits of self-lubricating materials, making it suitable for high load, low speed, and extreme temperature conditions.

Key Benefits:

- Maintenance-free operation
- High wear resistance
- Suitable for high-load applications

Specifications:

- Material: High strength brass, tin bronze, cast iron, etc.
- Dimensions: Various sizes available (refer to specific product codes)
- Temperature Range: -40°C to 300°C

Features:

- Self-lubricating with embedded solid lubricants (graphite, MoS₂, PTFE)
- High wear resistance
- Suitable for high-load, low-speed applications
- Long service life

Performance Characteristics:

The oilless bushing operates without the need for additional lubrication, making it ideal for applications where traditional lubricants would be impractical. It is especially useful in high-temperature environments, contaminated areas, and under water or vacuum conditions.

Applications:

- Automotive industry
- Industrial machinery
- Construction equipment
- Agricultural machinery
- Marine applications
- Hydraulic and gas turbines
- Space voyage equipment
- Instruments and weave machinery

Advantages:

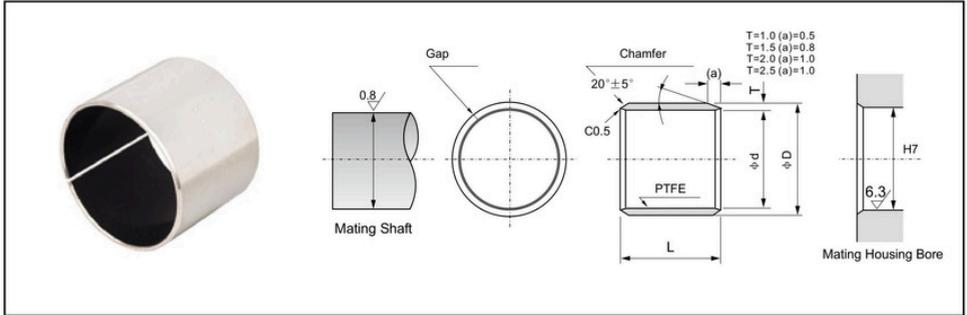
- Reduces operational costs
- Maintenance-free operation
- Long service life
- High wear resistance



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■ Metal Bushing SF Oilless Bushing



Unit: mm

Part No.	Mating Shaft	ϕd	ϕD	$L \begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$
SF-0303	3 $\begin{smallmatrix} -0.025 \\ -0.034 \end{smallmatrix}$	3	5	3
SF-0304	"	"	"	4
SF-0305	"	"	"	5
SF-0306	"	"	"	6
SF-0403	4 $\begin{smallmatrix} -0.025 \\ -0.037 \end{smallmatrix}$	4	6	3
SF-0404	"	"	"	4
SF-0405	"	"	"	5
SF-0406	"	"	"	6
SF-0408	"	"	"	8
SF-0503	5 $\begin{smallmatrix} -0.025 \\ -0.037 \end{smallmatrix}$	5	7	3
SF-0504	"	"	"	4
SF-0505	"	"	"	5
SF-0506	"	"	"	6
SF-0508	"	"	"	8
SF-0603	6 $\begin{smallmatrix} -0.025 \\ -0.037 \end{smallmatrix}$	6	8	3
SF-0604	"	"	"	4
SF-0605	"	"	"	5
SF-0606	"	"	"	6
SF-0607	"	"	"	7
SF-0608	"	"	"	8
SF-0610	"	"	"	10
SF-0612	"	"	"	12
SF-0705	7 $\begin{smallmatrix} -0.025 \\ -0.040 \end{smallmatrix}$	7	9	5
SF-0706	"	"	"	6
SF-0707	"	"	"	7
SF-0708	"	"	"	8
SF-0710	"	"	"	10
SF-0712	"	"	"	12
SF-0805	8 $\begin{smallmatrix} -0.025 \\ -0.040 \end{smallmatrix}$	8	10	5

Part No.	Mating Shaft	ϕd	ϕD	$L \begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$
SF-0806	8 $\begin{smallmatrix} -0.025 \\ -0.040 \end{smallmatrix}$	8	10	6
SF-0807	"	"	"	7
SF-0808	"	"	"	8
SF-0810	"	"	"	10
SF-0812	"	"	"	12
SF-0815	"	"	"	15
SF-0906	9 $\begin{smallmatrix} -0.025 \\ -0.040 \end{smallmatrix}$	9	11	6
SF-0910	"	"	"	10
SF-1006	10 $\begin{smallmatrix} -0.025 \\ -0.040 \end{smallmatrix}$	10	12	6
SF-1007	"	"	"	7
SF-1008	"	"	"	8
SF-1010	"	"	"	10
SF-1012	"	"	"	12
SF-1015	"	"	"	15
SF-1020	"	"	"	20
SF-1206	12 $\begin{smallmatrix} -0.025 \\ -0.043 \end{smallmatrix}$	12	14	6
SF-1208	"	"	"	8
SF-1210	"	"	"	10
SF-1212	"	"	"	12
SF-1215	"	"	"	15
SF-1220	"	"	"	20
SF-1308	13 $\begin{smallmatrix} -0.025 \\ -0.043 \end{smallmatrix}$	13	15	8
SF-1310	"	"	"	10
SF-1312	"	"	"	12
SF-1315	"	"	"	15
SF-1320	"	"	"	20
SF-1408	14 $\begin{smallmatrix} -0.025 \\ -0.043 \end{smallmatrix}$	14	16	8
SF-1410	"	"	"	10
SF-1412	"	"	"	12

Note: Aperture and wall-thickness accord with sample. If buyer has other demand on the size, we can do it

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Part No.	Mating Shaft	ϕd	ϕD	$L \begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$
SF-1414	14 ^{-0.025} _{-0.043}	14	16	14
SF-1415	"	"	"	15
SF-1416	"	"	"	16
SF-1420	"	"	"	20
SF-1508	15 ^{-0.025} _{-0.043}	15	17	08
SF-1510	"	"	"	10
SF-1512	"	"	"	12
SF-1515	"	"	"	15
SF-1520	"	"	"	20
SF-1525	"	"	"	25
SF-1610	16 ^{-0.025} _{-0.043}	16	18	10
SF-1612	"	"	"	12
SF-1615	"	"	"	15
SF-1620	"	"	"	20
SF-1625	"	"	"	25
SF-1710	17 ^{-0.025} _{-0.043}	17	19	10
SF-1715	"	"	"	15
SF-1810	18 ^{-0.025} _{-0.043}	18	20	10
SF-1812	"	"	"	12
SF-1815	"	"	"	15
SF-1820	"	"	"	20
SF-1825	"	"	"	25
SF-1830	"	"	"	30
SF-1910	19 ^{-0.025} _{-0.046}	19	22	10
SF-1915	"	"	"	15
SF-1920	"	"	"	20
SF-2010	20 ^{-0.025} _{-0.046}	20	23	10
SF-2012	"	"	"	12
SF-2015	"	"	"	15
SF-2020	"	"	"	20
SF-2025	"	"	"	25
SF-2030	"	"	"	30
SF-2210	22 ^{-0.025} _{-0.046}	22	25	10
SF-2212	"	"	"	12
SF-2215	"	"	"	15
SF-2220	"	"	"	20
SF-2225	"	"	"	25
SF-2230	"	"	"	30
SF-2415	24 ^{-0.025} _{-0.046}	24	27	15
SF-2420	"	"	"	20
SF-2425	"	"	"	25
SF-2430	"	"	"	30
SF-2510	25 ^{-0.025} _{-0.046}	25	28	10
SF-2512	"	"	"	12
SF-2515	"	"	"	15

Part No.	Mating Shaft	ϕd	ϕD	$L \begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$
SF-1-2520	25 ^{-0.025} _{-0.046}	25	28	20
SF-2525	"	"	"	25
SF-2530	"	"	"	30
SF-2535	"	"	"	35
SF-2615	26 ^{-0.025} _{-0.046}	26	30	15
SF-2620	"	"	"	20
SF-2625	"	"	"	25
SF-2630	"	"	"	30
SF-2812	28 ^{-0.025} _{-0.046}	28	32	12
SF-2815	"	"	"	15
SF-2820	"	"	"	20
SF-2825	"	"	"	25
SF-2830	"	"	"	30
SF-3012	30 ^{-0.025} _{-0.046}	30	34	12
SF-3015	"	"	"	15
SF-3020	"	"	"	20
SF-3025	"	"	"	25
SF-3030	"	"	"	30
SF-3035	"	"	"	35
SF-3040	"	"	"	40
SF-3050	"	"	"	50
SF-3115	31 ^{-0.025} _{-0.050}	31	35	15
SF-3125	"	"	"	25
SF-3130	"	"	"	30
SF-3140	"	"	"	40
SF-3215	32 ^{-0.025} _{-0.050}	32	36	15
SF-3220	"	"	"	20
SF-3225	"	"	"	25
SF-3230	"	"	"	30
SF-3240	"	"	"	40
SF-3512	35 ^{-0.025} _{-0.050}	35	39	12
SF-3520	"	"	"	20
SF-3525	"	"	"	25
SF-3530	"	"	"	30
SF-3535	"	"	"	35
SF-3540	"	"	"	40
SF-3550	"	"	"	50
SF-3820	38 ^{-0.025} _{-0.050}	38	42	20
SF-3825	"	"	"	25
SF-3830	"	"	"	30
SF-3835	"	"	"	35
SF-3840	"	"	"	40
SF-4012	40 ^{-0.025} _{-0.050}	40	44	12
SF-4015	"	"	"	15
SF-4020	"	"	"	20

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Part No.	Mating Shaft	ϕ d	ϕ D	L $\begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$
SF-4025	40 $\begin{smallmatrix} +0.025 \\ -0.050 \end{smallmatrix}$	40	44	25
SF-4030	"	"	"	30
SF-4035	"	"	"	35
SF-4040	"	"	"	40
SF-4050	"	"	"	50
SF-4520	45 $\begin{smallmatrix} +0.025 \\ -0.050 \end{smallmatrix}$	45	50	20
SF-4525	"	"	"	25
SF-4530	"	"	"	30
SF-4535	"	"	"	35
SF-4540	"	"	"	40
SF-4550	"	"	"	50
SF-5020	50 $\begin{smallmatrix} +0.025 \\ -0.050 \end{smallmatrix}$	50	55	20
SF-5025	"	"	"	25
SF-5030	"	"	"	30
SF-5035	"	"	"	35
SF-5040	"	"	"	40
SF-5050	"	"	"	50
SF-5060	"	"	"	60
SF-5525	55 $\begin{smallmatrix} +0.025 \\ -0.055 \end{smallmatrix}$	55	60	25
SF-5530	"	"	"	30
SF-5535	"	"	"	35
SF-5540	"	"	"	40
SF-5550	"	"	"	50
SF-5560	"	"	"	60
SF-6030	60 $\begin{smallmatrix} +0.025 \\ -0.055 \end{smallmatrix}$	60	65	30
SF-6035	"	"	"	35
SF-6040	"	"	"	40
SF-6050	"	"	"	50
SF-6060	"	"	"	60
SF-6080	"	"	"	80
SF-6530	65 $\begin{smallmatrix} +0.035 \\ +0.005 \end{smallmatrix}$	65	70	30
SF-6540	"	"	"	40
SF-6550	"	"	"	50
SF-6560	"	"	"	60
SF-7030	70 $\begin{smallmatrix} +0.035 \\ +0.005 \end{smallmatrix}$	70	75	30
SF-7035	"	"	"	35
SF-7040	"	"	"	40
SF-7050	"	"	"	50
SF-7060	"	"	"	60
SF-7070	"	"	"	70
SF-7080	"	"	"	80
SF-7530	75 $\begin{smallmatrix} +0.035 \\ +0.005 \end{smallmatrix}$	75	80	30

Part No.	Mating Shaft	ϕ d	ϕ D	L $\begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$
SF-7535	75 $\begin{smallmatrix} +0.035 \\ +0.005 \end{smallmatrix}$	75	80	35
SF-7540	"	"	"	40
SF-7550	"	"	"	50
SF-7560	"	"	"	60
SF-7580	"	"	"	80
SF-8040	80 $\begin{smallmatrix} +0.035 \\ +0.005 \end{smallmatrix}$	80	85	40
SF-8050	"	"	"	50
SF-8060	"	"	"	60
SF-8080	"	"	"	80
SF-8540	85 $\begin{smallmatrix} +0.035 \\ 0 \end{smallmatrix}$	80	90	40
SF-8550	"	"	"	50
SF-8560	"	"	"	60
SF-8580	"	"	"	80
SF-9040	90 $\begin{smallmatrix} +0.035 \\ 0 \end{smallmatrix}$	90	95	40
SF-9050	"	"	"	50
SF-9060	"	"	"	60
SF-9090	"	"	"	90
SF-10050	100 $\begin{smallmatrix} +0.035 \\ 0 \end{smallmatrix}$	100	105	50
SF-10070	"	"	"	70
SF-10080	"	"	"	80
SF-10095	"	"	"	95
SF-100100	"	"	"	100
SF-11050	110 $\begin{smallmatrix} +0.035 \\ 0 \end{smallmatrix}$	110	115	50
SF-11070	"	"	"	70
SF-11095	"	"	"	95
SF-110110	"	"	"	110
SF-12050	120 $\begin{smallmatrix} +0.035 \\ 0 \end{smallmatrix}$	120	125	50
SF-12070	"	"	"	70
SF-12095	"	"	"	95
SF-120100	"	"	"	100
SF-13050	130 $\begin{smallmatrix} +0.035 \\ -0.005 \end{smallmatrix}$	130	135	50
SF-13080	"	"	"	80
SF-130100	"	"	"	100
SF-14050	140 $\begin{smallmatrix} +0.035 \\ -0.005 \end{smallmatrix}$	140	145	50
SF-14080	"	"	"	80
SF-140100	"	"	"	100
SF-15050	150 $\begin{smallmatrix} +0.035 \\ -0.005 \end{smallmatrix}$	150	155	50
SF-15080	"	"	"	80
SF-150100	"	"	"	100
SF-16050	160 $\begin{smallmatrix} +0.035 \\ -0.005 \end{smallmatrix}$	160	165	50
SF-16080	"	"	"	80
SF-160100	"	"	"	100



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