



嘉善华承无油轴承有限公司
JIASHAN HUACHENG
OILLESS BEARING

为全球工业提供各种自润滑轴承解决方案

Your Partner for Self-lubricating Bearing Application

嘉善华承无油轴承有限公司地处于长三角地区的嘉善县干窑镇，环境优美，交通便利。公司长期致力于无油自润滑轴承和实体浇铸铜套的开发与设计，目前公司主要产品有：SF无油润滑轴承、JF双金属轴承、FB青铜轴承、JDB镶嵌固体润滑轴承等16个系列产品，已在高温、高速等多种场合进行了使用。公司拥有一支高素质、强劲的技术队伍和齐全、精良的机械加工设备，配备有精密检验和试验设备，产品具有较强的市场竞争能力。配备有使产品质量得到有效保证各类加工和检测设备，同时提供了一流的售后服务，深受客户好评与信赖。

我们将本着“质量第一、诚信为本”的经营理念，在以后的发展历程中一如既往的为您提供优质的产品和完善的售后服务。

JIASHAN HUACHENG OILLESS BEARING CO., CTD. is located in Jiashan, Zhejiang Yangtze River Delta, which is of Beautiful environment, convenient transportation. We have been committed to design of oilless bushing and solid bronze production. At present our main products are related to 16 series, such as SF Boundary bushing, JF Bi-metal bushing, FB wrapped bronze bushing as well as JDB bronze bushing with graphite plugged-in, which are used in high-temperature and speed conditions. Our company is equipped with quality technicians' team, well-equipped production and inspection facilities. The products are of competitive pricing and high quality. We offer best service and being trustful supplier.

We promise to be in the "quality first, integrity-based" business philosophy, in the future course of development, as always, to provide you with quality products and perfect after-sales service.

SF-1 无油润滑轴承 Oilless Bushing

该产品以优质低碳钢为基体，中间烧结球形青铜层，表面轧制改性聚四氟乙烯（PTFE）和铅的混合物。它具有较好的自润滑、耐磨损、摩擦系数低、走合性能好、低噪音等性能，产品广泛应用于各种机械的滑动部位，如纺织机、印刷机、液压搬运车、烟草机、健身器、农业机械等。

SF-1 Carbon Steel self-lubricating bearings used high quality low-carbon steel plate as base, sintered porous bronze as its interlayer and the Compound of PTFE and Lead as its surface. It offers the property of good self-lubrication, low wear, low friction good sliding characteristics, low noise. It has been widely applied to various mechanical sliding positions, such as textile machinery, printing machinery, hydraulic pressure transit vehicle, tobacco machinery, gymnastic instrument and agricultural machinery etc.



SF-1T 齿轮泵专用轴承 Gear Pump Bushing

该产品与SF-1具有相同结构，是齿轮油泵专用轴承。根据齿轮油泵的高PV值条件而设计的特殊配方产品。它具有摩擦系数小而稳定，耐磨性能好，抗冲击的特点，产品广泛应用于齿轮油泵、柱塞泵、叶片泵等。

SF-1 Carbon Steel self-lubricating bearing (Gear pump) has the same structure as SF-1, it is special for gear pump. It is a special formula product devised by high PV value operational mode conditions of gear oil pump. Characterized by low friction factor, stability, well wearing performance and impact resistance, it has been widely applied to gear pumps, radial piston pumps and vane pumps etc.



SF-1W 无铅环保轴承 Lead-Free Bushing

SF-1W无铅轴承，是在SF-1材料基础上根据国际环保要求而开发的一种新产品。该产品除广泛适用于一般通用机械外，对食品机械、制药机械、烟草机械尤其适用，无铅效果符合欧洲卫生标准，是无油润滑轴承发展的方向。

SF-1W is a new type bushing without lead composition which is developed aiming at increasing demands on environmental protection. Besides its wide application on general machines, SF-1 is particularly suitable for food machine, Pharmaceutical machine, tobacco, machine etc.



SF-1B 铜基无给油轴承 Bronze Based Bushing

该产品以特殊配方铜合金为基体，中间烧结球形青铜层，表面轧制聚四氟乙烯和亲油性纤维的混合物。它具有较好的自润滑、耐磨损、摩擦系数低、耐腐蚀等性能，产品广泛应用于冶金机械、连铸轧机、水泥灌浆机械、螺旋式输送机。

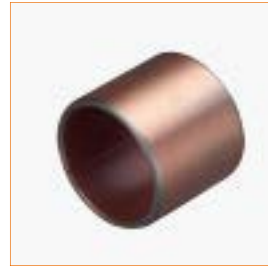
SF-1B Bronze Pb-free self-lubricating bearing used bronze alloy as base with special formulation, sintered porous bronze as its interlayer and the Compound of PTFE and lipophilicity fiber as its surface. It offers the property of good self-lubricating, low wear, low friction, corrosion resistance. It has been widely applied to metallurgy steel machinery, joined casting machinery, cement grout pump and spiral conveyer machinery etc.



SF-1D 液压专用轴承 Hydraulic Bushing

该产品与SF-1具有相同结构，是液压专用轴承，是结合油缸及减震器的工作原理而设计的特殊配方产品。它具有SF-1P优点外，特别适用于往复频繁的大侧向力场合，产品适用于汽车减震器、摩托车减震器以及各种液压油缸等。

SF-1D has the same structure with SF-1, particularly suitable for hydraulic pump. It is a special formula designed by combining oil cylinder with the working principle of bumpers. Besides the advantages of SF-1P, it is particularly applicable for the situation of great cross range force of frequent to-and-fro. It is applicable for automobile shock absorbers, motorcycle bumper and various hydraulic pressure cylinders etc.



SF-1P 往复运动轴承 Reciprocating Motion Bushing

该产品与SF-1具有相同结构，是根据往复运动的特殊工况条件而设计的特殊配方产品，具有断油条件下润滑能力强，耐磨性能好，保持油膜的特点。产品广泛应用于汽车减震器、摩托车减震器、液压马达、气动元件等，其性能与国外DD2相似。

SF-1P Carbon Steel Pb-free self-lubricating bearing has the same structure as SF-1, particularly suitable for intermittent operation, reciprocating or oscillating movements. Characterized by good lubrication and wear performance in the conditions of dry operation of oil. It is applied to shock absorber of automobile, motorcycles and various hydraulic motors and pneumatic elements etc.



SF-1S 不锈钢耐腐蚀轴承 Stainless Steel Bushing

该产品以不锈钢为基体，中间烧结球形青铜层，表面轧制聚四氟乙烯和铅的混合物。它具有较好的自润滑、耐磨损、摩擦系数低、耐腐蚀等性能。产品广泛应用于印染机械、化工机械、海洋工业耐腐蚀部位等。

SF-1S Stainless steel Pb-free self-lubricating bearing used stainless steel material as base, spray painting PTFE on the surface. It is characterized by acid-resistant, alkaline-resistant, ocean water resistant and environmental protection. It is used widely as fluid valve of measuring acid and alkalizing flow in chemical industry, and corrosion resisting sliding position in marine industry.



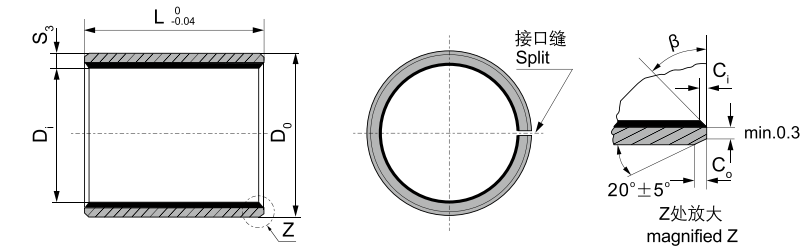
SF-1SS 不锈钢喷塑轴承 Lining-Sprayed Stainless Steel Bushing

该产品以不锈钢为基体，表面喷涂聚四氟乙烯。它具有较好的耐酸、耐碱、耐海水、环保等特点。产品广泛应用于化工中酸碱流量计、泵、阀以及海洋工业耐腐蚀部位等。

SF-1SS Stainless steel self-lubricating bearing uses stainless steel as base, sintered porous bronze as its interlayer and the Compound of PTFE and Lead as its surface. It offer the property of good self-lubrication, low wear, low friction, corrosion resistance. It has been widely applied to dyeing machinery, chemical engineering machinery and marine industry etc.



SF-1 轴套规格及公差 SF-1 Sleeve Bushing Specification & Tolerance



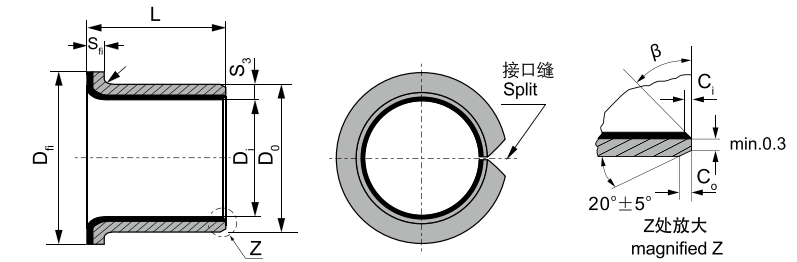
内外倒角 ID and OD chamfers

S_3	C_o	C_i	β	S_3	C_o	C_i	β
0.75	0.5 ± 0.3	0.25 ± 0.2	$30^\circ \pm 5^\circ$	2.00	1.2 ± 0.4	0.50 ± 0.3	$30^\circ \pm 5^\circ$
1.00	0.6 ± 0.3	0.30 ± 0.2	$30^\circ \pm 5^\circ$	2.50	1.8 ± 0.6	0.60 ± 0.3	$45^\circ \pm 5^\circ$
1.50	0.7 ± 0.3	0.50 ± 0.3	$30^\circ \pm 5^\circ$				

单位Unit: mm

轴径(f7) Shaft D_s	座孔(H7) Housing D_H	(OD) 外径公差 Tolerance D_o	(ID)压装后 内孔公差 After fixed $D_{i,a}$	配合间隙 Clearance D_D	壁厚 Wall thick- ness S_3	$\begin{matrix} 0 \\ -0.40 \end{matrix} \begin{matrix} (d \leq \Phi 28 \text{ L-0.30} \\ d > \Phi 30 \text{ L-0.40}) \end{matrix}$										
						10	12	15	20	25	30	40	50	60	70	80
20 $\begin{matrix} -0.020 \\ -0.041 \end{matrix}$	23 $+0.021$	23 $\begin{matrix} +0.075 \\ +0.035 \end{matrix}$	20.071 19.990	0.112 0.010	1.505 1.475	2010	2012	2015	2020	2025	2030					
22 $\begin{matrix} -0.020 \\ -0.041 \end{matrix}$	25 $+0.021$	25 $\begin{matrix} +0.075 \\ +0.035 \end{matrix}$	22.071 21.990	●	●	2210	2212	2215	2220	2225	2230					
24 $\begin{matrix} -0.020 \\ -0.041 \end{matrix}$	27 $+0.021$	27 $\begin{matrix} +0.075 \\ +0.035 \end{matrix}$	24.071 23.990	●	●	2410	2412	2415	2420	2425	2430					
25 $\begin{matrix} -0.020 \\ -0.041 \end{matrix}$	28 $+0.021$	28 $\begin{matrix} +0.075 \\ +0.035 \end{matrix}$	25.071 24.990	●	●	2510	2512	2515	2520	2525	2530	2540	2550			
28 $\begin{matrix} -0.020 \\ -0.041 \end{matrix}$	32 $+0.025$	32 $\begin{matrix} +0.085 \\ +0.045 \end{matrix}$	28.085 27.990	0.126 0.010	2.005 1.970		2812	2815	2820	2825	2830	2840	2850			
30 $\begin{matrix} -0.020 \\ -0.041 \end{matrix}$	34 $+0.025$	34 $\begin{matrix} +0.085 \\ +0.045 \end{matrix}$	30.085 29.990	●	●		3012	3015	3020	3025	3030	3040	3050			
32 $\begin{matrix} -0.025 \\ -0.050 \end{matrix}$	36 $+0.025$	36 $\begin{matrix} +0.085 \\ +0.045 \end{matrix}$	32.085 31.990	0.135 0.015	●		3212	3215	3220	3225	3230	3240	3250			
35 $\begin{matrix} -0.025 \\ -0.050 \end{matrix}$	39 $+0.025$	39 $\begin{matrix} +0.085 \\ +0.045 \end{matrix}$	35.085 34.990	●	●		3512	3515	3520	3525	3530	3540	3550			
38 $\begin{matrix} -0.025 \\ -0.050 \end{matrix}$	42 $+0.025$	42 $\begin{matrix} +0.085 \\ +0.045 \end{matrix}$	38.085 37.990	●	●		3812	3815	3820	3825	3830	3840	3850			
40 $\begin{matrix} -0.025 \\ -0.050 \end{matrix}$	44 $+0.025$	44 $\begin{matrix} +0.085 \\ +0.045 \end{matrix}$	40.085 39.990	●	●		4012	4015	4020	4025	4030	4040	4050			
45 $\begin{matrix} -0.050 \\ -0.025 \end{matrix}$	50 $+0.025$	50 $\begin{matrix} +0.085 \\ +0.045 \end{matrix}$	45.105 44.990	0.155 0.015	2.505 2.460				4520	4525	4530	4540	4550			
50 $\begin{matrix} -0.050 \\ -0.025 \end{matrix}$	55 $+0.030$	55 $\begin{matrix} +0.100 \\ +0.055 \end{matrix}$	50.110 49.990	0.160 0.015	●				5020	5025	5030	5040	5050	5060		
55 $\begin{matrix} -0.060 \\ -0.030 \end{matrix}$	60 $+0.030$	60 $\begin{matrix} +0.100 \\ +0.055 \end{matrix}$	55.110 54.990	0.170 0.020	●						5530	5540	5550	5560		
60 $\begin{matrix} -0.060 \\ -0.030 \end{matrix}$	65 $+0.030$	65 $\begin{matrix} +0.100 \\ +0.055 \end{matrix}$	60.110 59.990	●	●						6030	6040	6050	6060	6070	
65 $\begin{matrix} -0.060 \\ -0.030 \end{matrix}$	70 $+0.030$	70 $\begin{matrix} +0.100 \\ +0.055 \end{matrix}$	65.110 64.990	●	●						6530	6540	6550	6560	6570	
70 $\begin{matrix} -0.060 \\ -0.030 \end{matrix}$	75 $+0.030$	75 $\begin{matrix} +0.100 \\ +0.055 \end{matrix}$	70.110 69.990	●	●						7030	7040	7050	7060	7070	7080

SF-1F 翻边轴套规格及公差 SF-1F Flange Bushing Specification & Tolerance



S_3	1.0	1.5	2.0	2.5
r	$1^{-0.5}$	1 ± 0.5	1.5 ± 0.5	2 ± 0.5

单位Unit: mm

轴径(f7) Shaft D_s	座孔(H7) Housing D_H	(OD) 外径公差 Tolerance D_o	(ID)压装后 内孔公差 After fixed $D_{i,a}$	配合间隙 Clearance C_o	Designation 型号规格	Wall thickness 壁厚 S_3	尺寸 Dimension					
							D_i	D_o	$D_f \pm 0.5$	$L \pm 0.25$	$S_f - 0.2$	
12 -0.016 -0.034	14 +0.018	14 +0.065 +0.030	12.058 11.990	0.092 0.006	SF-10F12070	1.005 0.980	12	14	20	7	1	
					SF-10F12090					9		
					SF-10F12120					12		
14 -0.016 -0.034	16 +0.018	16 +0.065 +0.030	14.058 13.990	●	SF-10F14120	●	14	16	22	12	●	
					SF-10F14170				17			
					SF-10F15090				9			
15 -0.016 -0.034	17 +0.018	17 +0.065 +0.030	15.058 14.990	●	SF-10F15120	●	15	17	23	12	●	
					SF-10F15170				17			
					SF-10F16120				12	●		
16 -0.016 -0.034	18 +0.018	18 +0.065 +0.030	16.058 15.990	●	SF-10F16170	●	16	18	24		17	●
					SF-10F18120				12			
					SF-10F18170				17			
18 -0.016 -0.034	20 +0.021	20 +0.075 +0.035	18.061 17.990	0.095 0.006	SF-10F18200	●	18	20	26	17	●	
					SF-10F20115				11.5			
					SF-10F20165				16.5			
20 -0.020 -0.041	23 +0.021	23 +0.075 +0.035	20.071 19.990	0.112 0.010	SF-10F20215	1.505 1.475	20	23	30	21.5	1.5	
					SF-10F22150				15			
					SF-10F22200				20			
22 -0.020 -0.041	25 +0.021	25 +0.075 +0.035	22.071 21.990	●	SF-10F25115	●	22	25	32	20	●	
					SF-10F25165				16.5			
					SF-10F25215				21.5			
25 -0.020 -0.041	28 +0.021	28 +0.075 +0.035	25.071 24.990	●	SF-10F30160	2.005 1.970	25	28	35	16.5	●	
					SF-10F30260				26			
					SF-10F35160				16			
30 -0.025 -0.050	34 +0.025	34 +0.075 +0.035	30.085 29.990	0.126 0.010	SF-10F35260	●	30	34	42	26	2	
					SF-10F40260				26			
					SF-10F40400				40			
35 -0.025 -0.050	39 +0.025	39 +0.085 +0.045	35.085 34.990	0.135 0.015	SF-10F40260	●	35	39	47	26	●	
					SF-10F40400				40			
					SF-10F40400				40			
40 -0.025 -0.050	44 +0.025	44 +0.085 +0.045	40.085 39.990	●	SF-10F40260	●	40	44	53	40	●	
					SF-10F40400				40			
					SF-10F40400				40			



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