



JF-800 双金属自润滑轴套 JF-800 Bimetallic Self-lubricating Bushes



JF-800 双金属自润滑轴承 JF-800 Bimetallic Self-lubricating Bearings



JF-800 双金属自润滑轴套

JF-800 Bimetallic Self-lubricating Bushes

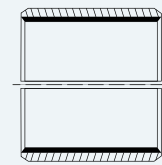
JLB-800系列双金属轴套、轴瓦、止推垫片，以优质低碳钢为基体，表面烧结青铜粉，适用于高载低速下的旋转，摇摆运动。具有摩擦系数低、耐磨性能好、使用寿命长、抗咬合性能好等特点，铜合金层可根据要求加工出各种类型的油穴、油槽。产品被广泛应用于矿山机械、汽机车、建筑机械、农用机械、轧钢机械等。

JLB-800 Bimetallic self-lubricating bearing used high quality low-carbon steel plate as base, sintered porous bronze as its surface, suitable for rotatory oscillating, reciprocating movements on the conditions of high load, low speed, low friction, well wear resistance, long lifetime and better prevent from holding-on. The bronze layer surface can be machined with various of grooves, oil pockets in terms of different work condition. The product is widely used in mining machinery, automobile, building machinery, agriculture equipment, rolling steel industry etc.

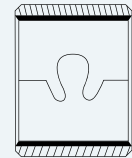
材料特性 Material Characterisitc

材料牌号 Material Trademark	合金成份 Alloy Composition	合金硬度 Alloy Hardness	国际标准 International Standard
JLB-800	CuPb10Sn10	70 ~ 100HB	SAE-797. DIN CuPb10Sn. JIS-LBC3. UNS C93700. Clevite F100. Daido L10. D. A. B. D57. Federal Mogul HF2. Glacier SY. Glyco66. Miba2. 1010. Taiho HF2. Kar I Schmiat KS940SSAE-797. DIN CuPb10Sn. JIS-LBC3. UNS C93700. Clevite F100. Daido L10. D. A. B D57. Federal Mogul HF2 Glacier SY. Glyco66. Miba2. 1010. Taiho HF2. Karl Schmiat Ks940s
JLB-720	CuPb24Sn4	45 ~ 70HB	SAE=799. GLYCO 68. JIS-LBC6. DAIDO L23. Claciersx. ACLF250
JLB-700	CuPb30	30 ~ 45HB	SAE-783. GLYCO74. JIS-AJL
JLB-2	AlSn20Cu	30 ~ 40HB	SAE-48. JIS-KJ3
JLB-930	CuPb6.5P0.1	69 ~ 90HB	

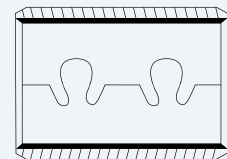
卷制轴承搭口形式 Material Characterisitc



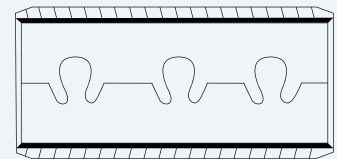
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B



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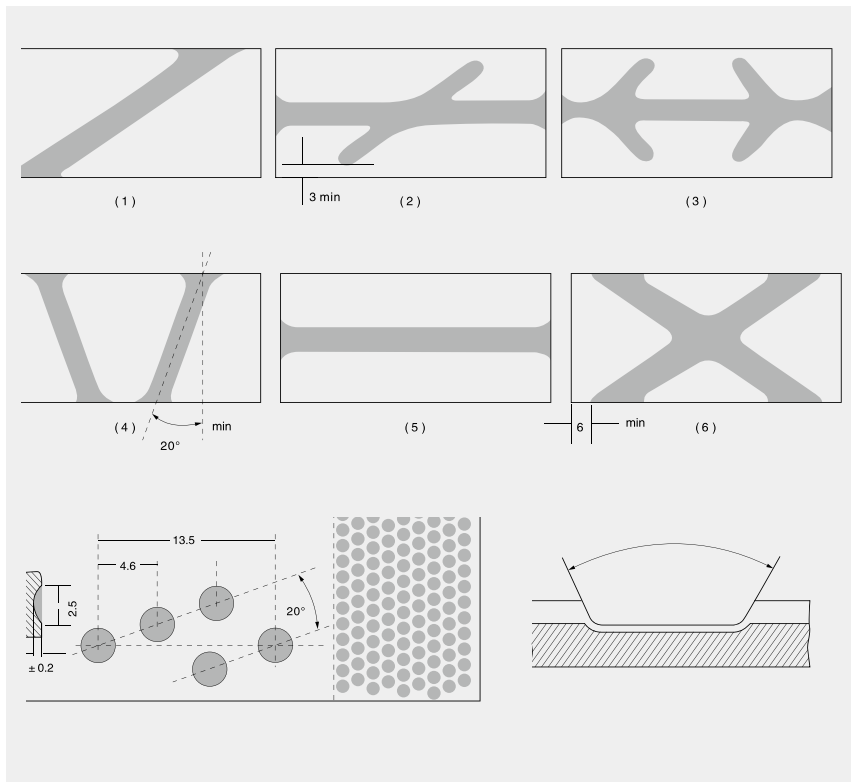


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JF-800 双金属自润滑轴套 JF-800 Bimetallic Self-lubricating Bushes

双金属自润滑轴承的油槽形状 Bi-metal self lubricating bearings tank shape



可供标准产品:

直套P31, 翻边轴套P33。

可供非标产品:

直套, 翻边轴套, 止推垫片, 板材, 轴瓦, 滑板, 钢套组合件。

Standard Size:

Stright Bearing P31, Flange Bearing P33.

Non-Standard Size:

Stright Bearing, Flange Bearing, Thrust washer, Strip, Bearing bushing, Wear strips, Steel combine units.

双金属轴套表面粗糙度 Surface Roughness of Bimetal Bushes

项目 List	精密轴套(尺寸到位) Bronze Surface	轴套钢合金面 Bronze Surface
轴套钢合金面 Bronze Surface	R20.8	R26.3
钢背面 Steel Backing	R21.6	R210
其它表面 Other Surfaces	R22.5	R2100

根据 DIN4768 第一部分 According to DIN4768, Part1



JF-800 双金属自润滑轴套

JF-800 Bimetallic Self-lubricating Bushes

技术参数 Technical Data

性能指标 Performance index	型号 Type	JLB-800	JLB-720	JLB-700	JLB-2	JLB-930
最大承载 P (N/mm ²) Max Load Capacity		150	130	120	100	150
拉伸强度 (N/mm ²) Tensile Strength		185	150	200	200	185
最大线速度 (油润滑) V(m/s) Max Sliding Speed (Oil Lubrication)		5	10	15	25	5
摩擦系数 μ Friction coefficient		0.05 ~ 0.20	0.06 ~ 0.16	0.08 ~ 0.16	0.08 ~ 0.17	0.06 ~ 0.16
最高PV值 N/mm ² ·m/s Max PV Value Limit	脂润滑 Grease lubrication	2.8	2.8	2.5	-	2.8
	油润滑 Oil lubrication	10	10	8	6	-

应用特性 Application Characteristics

材料牌号 Material Trademark	适用条件 Using Conditions	适用场合 Use Occasions
JLB-800	很高的耐疲劳强度和承载能力，抗冲击能力强，耐磨性、耐腐蚀性好 High resistance to fatigue strength and load capacity, with high shock resistance good wearing and good corrosion resistance.	中速、高冲击载荷的衬套，内燃机连杆活塞销衬套 Fit for middle load, high speed, bushes, washer and connecting rod bearing in internal combustion engine used in machanical equipment and high shock bushing.
JLB-720	较高的耐疲劳强度和承载能力、较好的滑动性能，易受润滑油腐蚀 Good resistance to fatigue strength and high load capacity, good performance of sliding, liable to be corrupted by lubrication oil.	中载中速、高速内燃机主轴套和连杆轴套 middle load middle speed, principle axis of internal combustion engine.
JLB-700	较高的耐疲劳强度、承载能力、抗冲击能力 Good resistance to fatigue strength, load capacity, shock resistance.	用于内燃机主轴和连杆轴承、止推垫片 Principle axis of internal combustion engine, connecting rod bushing.
JLB-2	良好的抗咬性、异物埋没性，工作表面镀软合金层 Good performance of anti-seizing, covering eyewinker, soft alloy be plated on working surface.	高速中低载荷的内燃机主轴套，连杆轴套 High speed, middle or low load, principle axis internal combustion engine
JLB-930	中等的耐疲劳强度和承载能力，良好的抗腐蚀性，较好轴承滑动性能。 Moderate fatigue strength, and load capacity, good wrrsion resistance good performance of bearing sliding.	高速低载的内燃机轴瓦、气压机、制冷机轴套 High speed, low load, internal combustion engine half bearing, bushing used in compressing and refrigerating machine.

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JF-800 双金属翻边轴承规格及公差

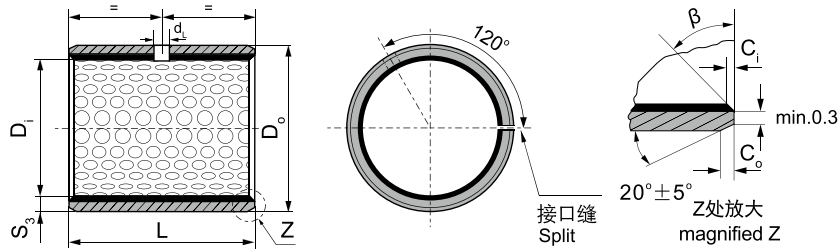
JF-800 Bimetal Flange Bushing Specification & Tolerance





JF-800 双金属轴承规格及公差

JF-800 Bimetal Sleeve Bearing Specification & Tolerance



内外倒角 ID and OD chamfers

S ₃	C _o	C _i	β
0.75	0.5 ± 0.3	0.25 ± 0.2	35° ± 5°
1.00	0.6 ± 0.3	0.30 ± 0.2	35° ± 5°
1.50	0.7 ± 0.3	0.50 ± 0.3	35° ± 5°

单位unit:mm²

内径 D _i φ d	外径 D _o φ D	轴径(h8) Shaft D _s	座孔(H7) Housing D _H	压装后 内孔公差 Arter fixed D _{i,a}	配合间隙 Clearance C _o	壁厚 Wall thickness S ₃	油孔 Oil hole d _L	长度 L ⁰ _{-0.40}							
								10	15	20	25	30	40	50	
10	12	10 _{-0.022}	12 ^{+0.018}		0.170 0.010			1010	1015	1020					
12	14	12 _{-0.027}	14 ^{+0.018}					1210	1215	1220					
14	16	14 _{-0.027}	16 ^{+0.018}	+0.148 +0.010	0.175 0.010	0.995 0.935	4	1410	1415	1420					
15	17	15 _{-0.027}	17 ^{+0.018}					1510	1515	1520					
16	18	16 _{-0.027}	18 ^{+0.018}					1610	1615	1620					
18	20	18 _{-0.027}	20 ^{+0.021}	+0.151 +0.010	0.178 0.010			1810	1815	1820	1825				
20	23	20 _{-0.033}	23 ^{+0.021}					2010	2015	2020	2025				
22	25	22 _{-0.033}	25 ^{+0.021}	+0.161 +0.020	0.194 0.020	1.490 1.430		2210	2215	2220	2225				
24	27	24 _{-0.033}	27 ^{+0.021}					2410	2415	2420	2425	2430			
25	28	25 _{-0.033}	28 ^{+0.021}						2515	2520	2525	2530			
26	30	26 _{-0.033}	30 ^{+0.021}	+0.181 +0.040	0.214 0.040				2615	2620	2625	2630			
28	32	28 _{-0.033}	32 ^{+0.025}		0.218 0.040		6		2815	2820	2825	2830	2840		
30	34	30 _{-0.033}	34 ^{+0.025}						3015	3020	3025	3030	3040		
32	36	32 _{-0.039}	36 ^{+0.025}	+0.185 +0.040		1.980 1.920			3215	3220	3225	3230	3240		
35	39	35 _{-0.039}	39 ^{+0.025}		0.224 0.040					3520	3525	3530	3540	3550	
38	42	38 _{-0.039}	42 ^{+0.025}				8			3820	3825	3830	3840	3850	
40	44	40 _{-0.039}	44 ^{+0.025}							4020	4025	4030	4040	4050	

JF-800 双金属轴承规格及公差

JF-800 Bimetal Sleeve Bushing Specification & Tolerance

内径 D_i ϕd	外径 D_o ϕD	轴径(h8) Shaft D_s	座孔(H7) Housing D_H	压装后 内孔公差 Arter fixed D_{ia}	配合间隙 Clearance C_D	壁厚 Wall thickness S_3	油孔 Oil hole d_L	长度 L $^{0}_{-0.40}$									
								25	30	40	50	60	80	90	100		
45	50	45 _{-0.039}	50 ^{+0.025}	+0.225 +0.080	0.264 0.080			4525	4530	4540	4550						
50	55	50 _{-0.039}	55 ^{+0.030}		0.269 0.080				5030	5040	5050	5060					
55	60	55 _{-0.046}	60 ^{+0.030}						5530	5540	5550	5560					
60	65	60 _{-0.046}	65 ^{+0.030}				8		6030	6040	6050	6060					
65	70	65 _{-0.046}	70 ^{+0.030}	+0.230 +0.080	0.276 0.080				6530	6540	6550	6560					
70	75	70 _{-0.046}	75 ^{+0.030}						7030	7040	7050	7060	7080				
75	80	75 _{-0.046}	80 ^{+0.030}						7530	7540	7550	7560	7580				
80	85	80 _{-0.046}	85 ^{+0.035}		0.281 0.080				8030	8040	8050	8060	8080	8090			
85	90	85 _{-0.054}	90 ^{+0.035}						8530	8540	8550	8560	8580	8590	85100		
90	95	90 _{-0.054}	95 ^{+0.035}							9040	9050	9060	9080	9090	90100		
95	100	95 _{-0.054}	100 ^{+0.035}			2.460 2.400					9550	9560	9580	9590	95100		
100	105	100 _{-0.054}	105 ^{+0.035}	+0.235 +0.080							10050	10060	10080	10090	100100		
105	110	105 _{-0.054}	110 ^{+0.035}		0.289 0.080						10550	10560	10580	10590	105100		
110	115	110 _{-0.054}	115 ^{+0.035}				9.5				11050	11060	11080	11090	110100		
115	120	115 _{-0.054}	120 ^{+0.035}								11550	11560	11580	11590	115100		
120	125	120 _{-0.054}	125 ^{+0.040}								12050	12060	12080	12090	120100		
125	130	125 _{-0.063}	130 ^{+0.040}									12560	12580	12590	125100		
130	135	130 _{-0.063}	135 ^{+0.040}									13060	13080	13090	130100		
135	140	135 _{-0.063}	140 ^{+0.040}	+0.240 +0.080	0.303 0.080							13560	13580	13590	135100		
140	145	140 _{-0.063}	145 ^{+0.040}									14060	14080	14090	140100		
150	155	150 _{-0.063}	155 ^{+0.040}									15060	15080	15090	150100		