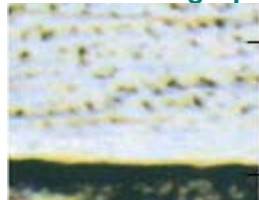


JF-20 is high tin and aluminum based bushing, which adopts steel as backing and is coated a lining of AlSn20Cu through rolling treatment, It is of fairly good fatigue resistance, load capacity and good anti-corrosion and also perform well in bearings sliding propertied and low load such as in internal combustion engine, air compressor and cooling machine.

Color Metallograph



1 Sintered Aluminium

Steel backing



Bronze Backing Technical Data

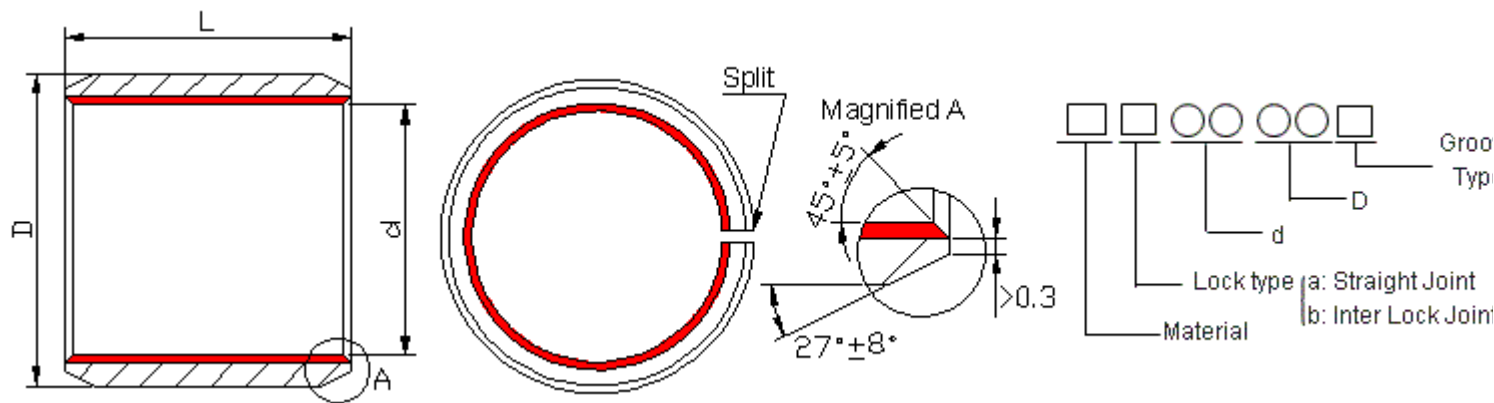
Bronze Alloy code	Equivalent Standard Code	Composition analysis of alloy								
		Cu	Sn	Fe	Ni	Si	Mn	Ti	Other	Al
AlSn20Cu	USA SEA-783;GLYCO 74;JIS-AJL	0.7~1.3	17.5~22.5	0.7	0.1	0.7	0.7	0.2	0.5	remainder

Physical Characteristic

Load Capacity	Tensile Strengthen	Friction Coef (oil)	Speed Limit	PV Limit (grease)	PV Limit (oil)
100N/mm ²	20N/mm ²	0.08~0.17	25m/s	6N/mm ²	85N/MM ²

Specification

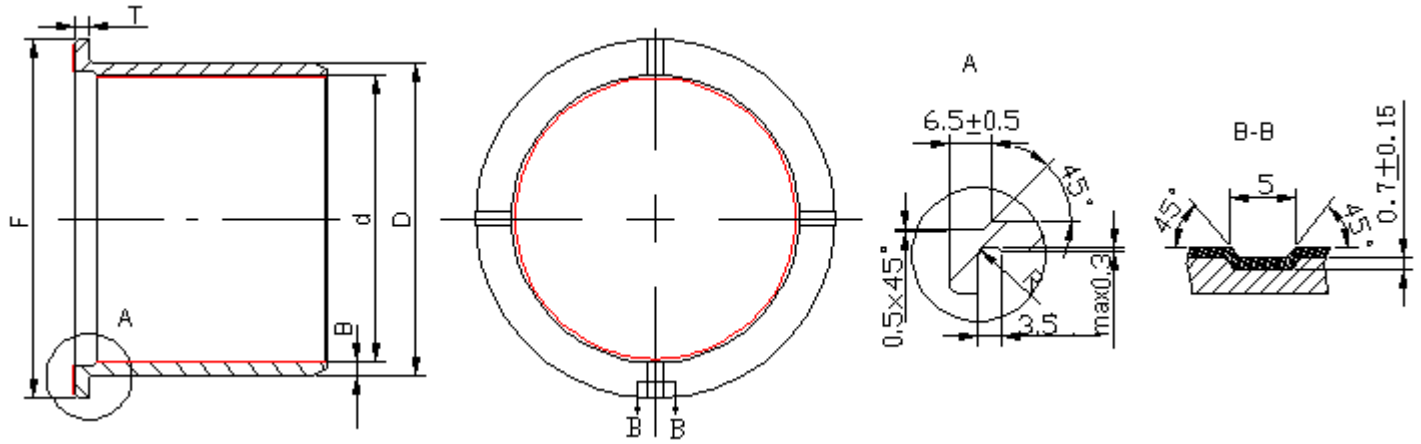
Cylinder Series Specification



d(H8)	D	Wall thickness	Housing bore(H7)	Mating Shaft	f1	f2	L											
							10	15	20	25	30	40	50	60	80	90	100	
10	^{+0.065} ₁₂ ^{+0.035}	1-0.025	12	10	0.5	0.3	1010	1015	1020									
12	^{+0.065} ₁₄ ^{+0.035}		14	12	0.5	0.3	1210	1215	1220									
14	^{+0.065} ₁₆ ^{+0.035}		16	14	0.5	0.3	1410	1415	1420									
15	^{+0.065} ₁₇ ^{+0.035}		17	15	0.5	0.3	1510	1515	1520									
16	^{+0.075} ₁₈ ^{+0.035}		18	16	0.8	0.4	1610	1615	1620									
18	^{+0.075} ₂₀ ^{+0.035}		20	18	0.8	0.4	1810	1815	1820	1825								

d	D	Wall thcikness	Housing Bore	Mating Shift	f1	f2	L										
							10	15	20	25	30	40	50	60	80	90	100
20	^{+0.075} 23 _{+0.035}	1.5 _{-0.030}	22	20	0.8	0.4	2010	2015	2020	2025							
22	^{+0.075} 25 _{+0.035}		24	22	0.8	0.4	2210	2215	2220	2225							
24	^{+0.075} 27 _{+0.035}		25	24	1.0	0.5	2410	2415	2420	2425							
25	^{+0.075} 28 _{+0.035}		26	25	1.0	0.5		2415	2420	2425	2430						
26	^{+0.075} 30 _{+0.035}	2 _{-0.035}	28	26	1.0	0.5		2515	2520	2525	2530						
28	^{+0.085} 32 _{+0.035}		30	28	1.0	0.5		2615	2620	2625	2630						
30	^{+0.085} 34 _{+0.035}		32	30	1.2	0.6		2815	2820	2825	2830	2840					
32	^{+0.085} 36 _{+0.035}		35	32	1.2	0.6		3015	3020	3025	3030	3040					
35	^{+0.085} 39 _{+0.035}		38	35	1.2	0.6		3215	3220	3225	3230	3240					
38	^{+0.085} 42 _{+0.035}		40	38	1.2	0.6			3520	3525	3530	3540	3550				
40	^{+0.085} 44 _{+0.035}		45	40	1.2	0.6			3820	3825	3830	3840	3850				
45	^{+0.085} 50 _{+0.035}	2.5 _{-0.040}	50	45	1.5	1.0			4020	4025	4030	4040	4050				
50	^{+0.100} 55 _{+0.055}		55	50	1.5	1.0			4520	4525	4530	4540	4550				
55	^{+0.100} 60 _{+0.055}		60	55	1.5	1.0					5030	5040	5050	5060			
60	^{+0.100} 65 _{+0.055}		65	60	1.5	1.0					6030	6040	6050	6060			
65	^{+0.100} 70 _{+0.055}		70	65	1.5	1.0					6530	6540	6550	6560			
70	^{+0.100} 75 _{+0.055}		75	70	1.5	1.0					7030	7040	7050	7060	7080		
75	^{+0.100} 80 _{+0.055}		80	75	1.5	1.0					7530	7540	7550	7560			
80	^{+0.120} 85 _{+0.070}		84	80	1.5	1.0						8040	8050	8060	8080		
84	^{+0.120} 90 _{+0.070}	3 _{-0.045}	89	84	1.8	1.2						8440	8450	8460	8480		
89	^{+0.120} 95 _{+0.070}		94	89	1.8	1.2						8940	8950	8960	8980		
94	^{+0.120} 100 _{+0.070}		99	94	1.8	1.2							9450	9460	9480	9490	
99	^{+0.120} 105 _{+0.070}		104	99	1.8	1.2							9950	9960	9980	9990	
104	^{+0.120} 110 _{+0.070}		109	104	1.8	1.2							10450	10460	10480		
109	^{+0.120} 115 _{+0.070}		114	109	1.8	1.2							10950	10960	10980		
114	^{+0.120} 120 _{+0.070}		119	114	1.8	1.2							11450	11460	11480		
119	^{+0.170} 125 _{+0.100}		123	119	1.8	1.2							11950	11960	11980		

Flange Series Specification



Code Name	$F_{-0.5}$	$\begin{matrix} +0.028 \\ D+0.020 \end{matrix}$	$\begin{matrix} +0.020 \\ d+0.015 \end{matrix}$	$\begin{matrix} 0 \\ H-0.040 \end{matrix}$	T	B
M4040	60	46	40	39.5	3.5	3.0
M4035	62	47	40	35	3.5	3.5
M5040A	68	55	45	55	3.5	5.0
M5040B	72	57	50	40	3.5	3.5
M5050	70	57	50	40	3.5	3.5
M5460	70	57	50	50	3.5	3.5
M6053	92	60.6	54	60	3.5	3.3
M6060	83	67	53	53	3.5	3.5
M6065	87	67	60	60	3.5	3.5
M6060A	77	67	65	65	3.5	3.5
M6060B	88	68	60	60	4.0	4.0
M6465	87	68	60	60	4.0	4.0
M6473	102.6	70.4	63.5	65	3.5	3.5
M6553	103	70.8	63.8	73	3.5	3.5
M6564	85	72	65	53	3.5	3.5
M6564	87	72	65	64	3.5	3.5
M6575	108	72	65	75	3.5	3.5
M7060	93	77	70	60	3.5	3.5
M7090	108	80	70	90	5.0	5.0
M7560	100	82	75	60	3.5	3.5
M8068	105	87	80	68	3.5	3.5
M8580	127	92	85	80	3.5	3.5
M85103	128	92.6	85	103.5	3.5	3.8
M89126	138	97.5	89.2	126.3	4.2	4.2
M95127	144	105	95	127	5.0	5.0

Dimensions not listed in the tables can also be provided, please feel free to contact with us!

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