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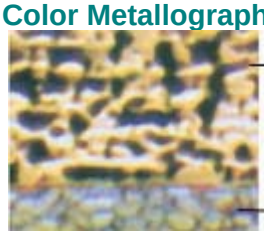
**JF-700** is a bimetal bushing with steel as backing and sintered CuPb30 as lining layer.. It has good performance in anti-seizing, alien substance contamination. It is necessary to be over plated certain soft alloy and mostly applied in internal combustion engine under high speed and middle to low load. e.g. Main bushing and connect-rod bushing


## Color Metallograph




1 Sintered Bronze

2 Steel backing

## Bronze Backing Technical Data

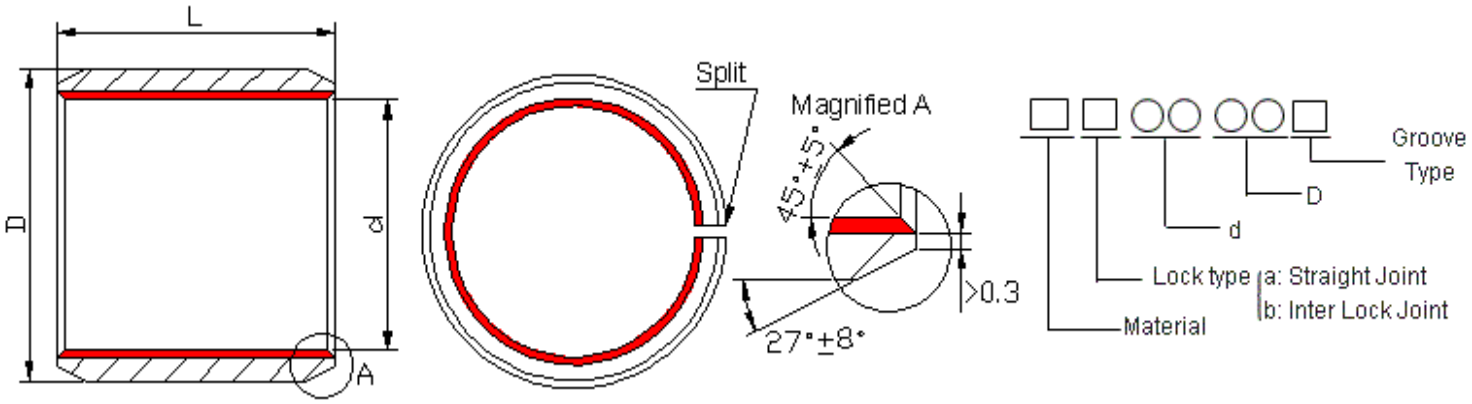
| Bronze Alloy Code | Equivalent Standard Code | Composition analysis of alloy | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Pb | Sn | Zn | P | Fe | Ni | Sb | Other | Cu |
| CuPb30 | USA SEA-48;JIS-LJ3 | 26.0~33.0 | 0.5 | 0.5 | 0.1 | 0.7 | 0.5 | 0.2 | 0.5 | remaider |

## Physical Characteristic

| Load Capacity | Tensile Strengthen | Friction Coef (oil) | Speed Limit | PV Limit (grease) | PV Limit (oil) |
|---|---|---|---|---|---|
| 120N/mm$^2$ | 200N/mm$^2$ | 0.08~0.16 | 15m/s | 2.5N/mm$^2$ | 8N/MM$^2$ |

## Specification

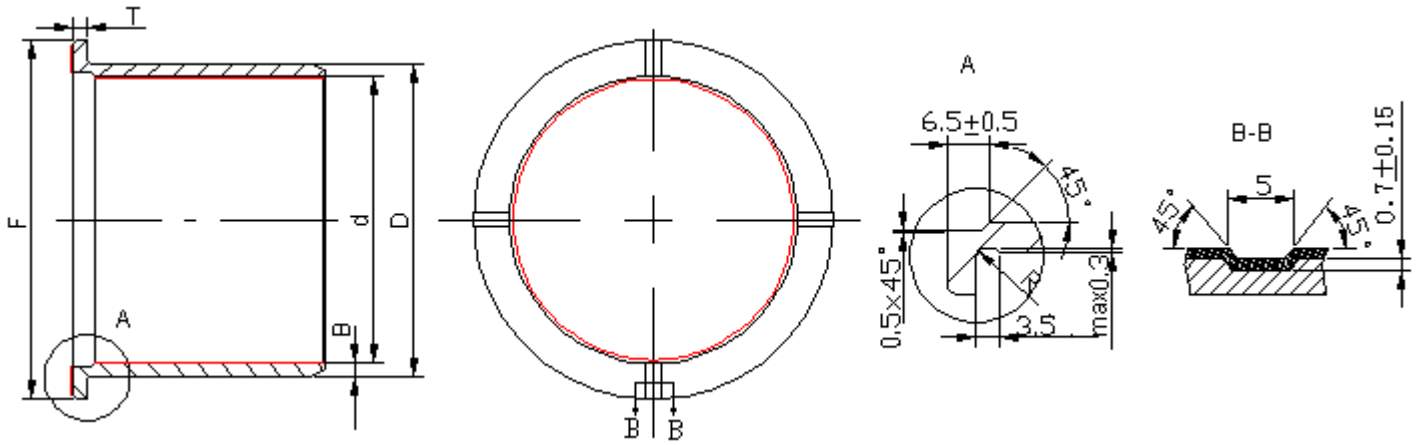
### Cylinder Series Specification




| 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 | 12 $^{+0.065}_{+0.035}$ | 1$_{-0.025}$ | 12 | 10 | 0.5 | 0.3 | 1010 | 1015 | 1020 | | | | | | | | |
| 12 | 14 $^{+0.065}_{+0.035}$ | | 14 | 12 | 0.5 | 0.3 | 1210 | 1215 | 1220 | | | | | | | | |
| 14 | 16 $^{+0.065}_{+0.035}$ | | 16 | 14 | 0.5 | 0.3 | 1410 | 1415 | 1420 | | | | | | | | |
| 15 | 17 $^{+0.065}_{+0.035}$ | | 17 | 15 | 0.5 | 0.3 | 1510 | 1515 | 1520 | | | | | | | | |
| 16 | 18 $^{+0.075}_{+0.035}$ | | 18 | 16 | 0.8 | 0.4 | 1610 | 1615 | 1620 | | | | | | | | |
| 18 | 20 $^{+0.075}_{+0.035}$ | | 20 | 18 | 0.8 | 0.4 | 1810 | 1815 | 1820 | 1825 | | | | | | | |

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

# Flange Series Specification




| Code Name | $F_{-0.5}$ | $D^{+0.028}_{+0.020}$ | $d^{+0.020}_{+0.015}$ | $H^{0}_{-0.040}$ | 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 fell free to contact with us!

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