



**CUNIMET**<sup>®</sup>  
ALLOYS PVT. LTD.

**CUNIMET ALLOYS PVT. LTD.**  
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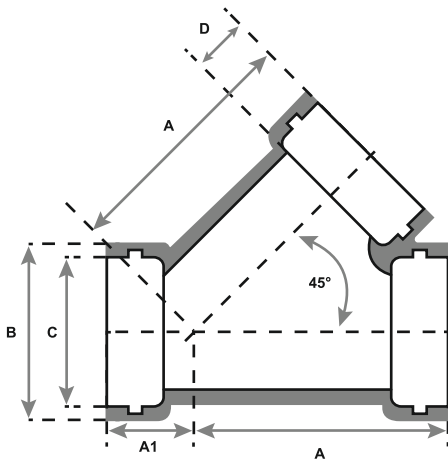
# LATERAL SILVER BRAZE

Specification: MIL-F-1183

Pressure Rating: 400 PSIG (WOG)

Intended for use with Class 200 or 700  
Copper Nickel Tube IAW MIL-T-16420  
Copper Tube IAW MIL-T-24107  
Brass Tube IAW MIL-T-20168

| SERVICE RATING TABLE       |                                                |                          |                                                |                          |
|----------------------------|------------------------------------------------|--------------------------|------------------------------------------------|--------------------------|
| Nominal Pipe Size (INCHES) | Maximum Working Pressure (LB/IN <sup>2</sup> ) | Maximum Temperature (°F) | Maximum Working Pressure (LB/IN <sup>2</sup> ) | Maximum Temperature (°F) |
| 1/4 through 6              | 200                                            | 425                      | 400                                            | 150                      |
| Above 6                    | 150                                            | 425                      | 250                                            | 150                      |



**BRONZE**  
ASTM B61 / QQ-C-390 / MIL-B-16541  
(ALLOY C90300 / C92200)

## AVAILABLE ALLOY: BRONZE

| NOMINAL PIPE SIZE | 1/4"                  | 3/8"                  | 1/2"                  | 3/4"                  | 1"                    | 1 1/4"                | 1 1/2"                | 2"                    | 2 1/2"                | 3"                    | 3 1/2"               | 4"                    |
|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|
| P/N               | LBSB040               | LBSB060               | LBSB100               | LBSB150               | LBSB200               | LBSB250               | LBSB300               | LBSB400               | LBSB450               | LBSB500               | LBSB550              | LBSB600               |
| A                 | 0.43                  | 0.50                  | 0.61                  | 0.72                  | 0.85                  | 1.02                  | 1.10                  | 1.24                  | 1.52                  | 1.71                  | 1.85                 | 2.01                  |
| A1                | 1.07                  | 1.28                  | 1.58                  | 1.90                  | 2.30                  | 2.83                  | 3.14                  | 3.76                  | 4.73                  | 5.55                  | 6.25                 | 6.97                  |
| B                 | 0.700                 | 0.855                 | 1.020                 | 1.250                 | 1.535                 | 1.900                 | 2.160                 | 2.675                 | 3.215                 | 3.880                 | 4.400                | 4.940                 |
| C                 | 0.540 MIN - 0.543 MAX | 0.675 MIN - 0.678 MAX | 0.840 MIN - 0.843 MAX | 1.050 MIN - 1.053 MAX | 1.315 MIN - 1.318 MAX | 1.660 MIN - 1.663 MAX | 1.900 MIN - 1.905 MAX | 2.375 MIN - 2.380 MAX | 2.875 MIN - 2.882 MAX | 3.500 MIN - 3.507 MAX | 4.00 MIN - 4.007 MAX | 4.500 MIN - 4.507 MAX |
| D                 | 17/64                 | 5/16                  | 3/8                   | 13/32                 | 7/16                  | 1/2                   | 5/8                   | 21/32                 | 25/32                 | 53/64                 | 7/8                  | 29/32                 |

NOTES: Brazing rings IAW QQ-B-654, BCuP-5 are to be used with grooved fitting ends.  
Fittings may be ordered with reduced ends.



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