

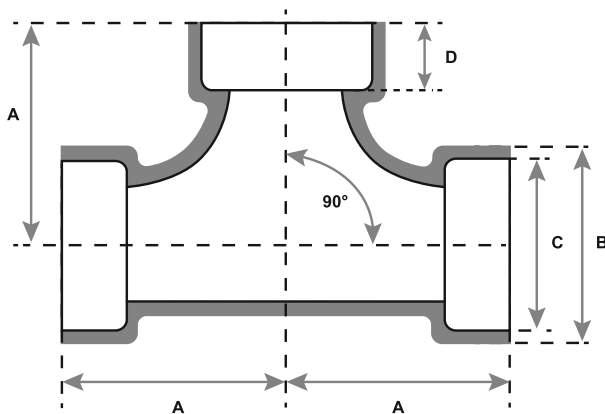
# LONG TURN DOUBLE SWEEP TEE SOCKET WELD

Specification: NAVSEA DWG 803-6397430

Pressure Rating: 400 PSIG (WOG)

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

| 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                      |



## AVAILABLE ALLOYS: CUNI 90/10 & CUNI 70/30

| 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 (90/10)       | DST9SW040          | DST9SW060          | DST9SW100          | DST9SW150           | DST9SW200           | DST9SW250           | DST9SW300           | DST9SW400         | DST9SW450           | DST9SW500           | DST9SW550           | DST9SW600           |
| P/N (70/30)       | DST7SW040          | DST7SW060          | DST7SW100          | DST7SW150           | DST7SW200           | DST7SW250           | DST7SW300           | DST9SW400         | DST7SW450           | DST7SW500           | DST7SW550           | DST7SW600           |
| A                 | 1.250              | 1.500              | 1.750              | 2.000               | 2.310               | 2.750               | 3.130               | 3.750             | 4.500               | 5.440               | 6.190               | 6.940               |
| B                 | 0.945              | 1.096              | 1.275              | 1.503               | 1.780               | 2.129               | 2.387               | 2.908             | 3.408               | 4.041               | 4.541               | 5.097               |
| C                 | .545<br>(+/- .030) | .680<br>(+/- .030) | .845<br>(+/- .030) | 1.055<br>(+/- .030) | 1.320<br>(+/- .030) | 1.665<br>(+/- .030) | 1.905<br>(+/- .030) | 2.380 +/-<br>.046 | 2.880<br>(+/- .051) | 3.505<br>(+/- .055) | 4.005<br>(+/- .055) | 4.505<br>(+/- .060) |
| D                 | 25/94              | 5/16               | 3/8                | 13/32               | 7/16                | 1/2                 | 5/8                 | 23/35             | 25/32               | 77/93               | 7/8                 | 29/32               |

NOTES: Fittings may be ordered with reduced ends and/or female threads.