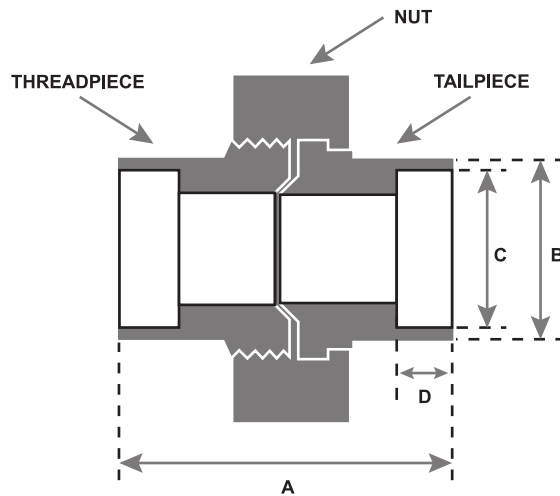


# UNION ASSEMBLY SOCKET WELD

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"                    |
|-------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| SMI P/N (90/10)   | U9SW040              | U9SW060              | U9SW100              | U9SW150               | U9SW200               | U9SW250               | U9SW300               | U9SW400               |
| SMI P/N (70/30)   | U7SW040              | U7SW060              | U7SW100              | U7SW150               | U7SW200               | U7SW250               | U7SW300               | U7SW400               |
| A                 | 1 5/8                | 1 13/16              | 1 15/16              | 2 1/4                 | 2 7/16                | 2 13/16               | 3                     | 3 3/8                 |
| B                 | .828 (+/- .015)      | .984 (+/- .015)      | 1.188 (+/- .015)     | 1.468 (+/- .015)      | 1.750 (+/- .015)      | 2.125 (+/- .015)      | 2.375 (+/- .015)      | 2.906 (+/- .015)      |
| C                 | .545 (-.000 /+ .030) | .680 (-.000 /+ .030) | .845 (-.000 /+ .030) | 1.055 (-.000 /+ .030) | 1.320 (-.000 /+ .030) | 1.665 (-.000 /+ .030) | 1.905 (-.000 /+ .030) | 2.380 (-.000 /+ .046) |
| D                 | 17/64                | 5/16                 | 3/8                  | 13/32                 | 7/16                  | 1/2                   | 5/8                   | 21/32                 |

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