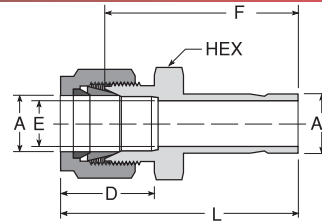
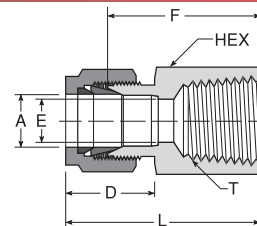


**REDUCER CONTINUED**


| PART No.    | A<br>Tube OD | Hex<br>Tube Nut | D    | A1<br>Tube OD | E<br>Min Orifice | F    | L<br>OAL | Hex<br>Body |
|-------------|--------------|-----------------|------|---------------|------------------|------|----------|-------------|
| DRE-6-2-*   | 3/8"         | 11/16"          | 0.76 | 1/8"          | 0.08             | 1.24 | 1.54     | 5/8"        |
| DRE-6-4-*   | 3/8"         | 11/16"          | 0.76 | 1/4"          | 0.19             | 1.27 | 1.57     | 5/8"        |
| DRE-6-5-*   | 3/8"         | 11/16"          | 0.76 | 5/16"         | 0.19             | 1.34 | 1.63     | 5/8"        |
| DRE-6-6-*   | 3/8"         | 11/16"          | 0.76 | 3/8"          | 0.28             | 1.41 | 1.70     | 5/8"        |
| DRE-6-8-*   | 3/8"         | 11/16"          | 0.76 | 1/2"          | 0.28             | 1.62 | 1.91     | 5/8"        |
| DRE-6-10-*  | 3/8"         | 11/16"          | 0.76 | 5/8"          | 0.28             | 1.69 | 1.98     | 11/16"      |
| DRE-6-12-*  | 3/8"         | 11/16"          | 0.76 | 3/4"          | 0.28             | 1.69 | 1.98     | 13/16"      |
| DRE-8-4-*   | 1/2"         | 7/8"            | 0.86 | 1/4"          | 0.19             | 1.39 | 1.79     | 13/16"      |
| DRE-8-6-*   | 1/2"         | 7/8"            | 0.86 | 3/8"          | 0.28             | 1.45 | 1.85     | 13/16"      |
| DRE-8-8-*   | 1/2"         | 7/8"            | 0.86 | 1/2"          | 0.39             | 1.66 | 2.07     | 13/16"      |
| DRE-8-10-*  | 1/2"         | 7/8"            | 0.86 | 5/8"          | 0.41             | 1.72 | 2.12     | 13/16"      |
| DRE-8-12-*  | 1/2"         | 7/8"            | 0.86 | 3/4"          | 0.41             | 1.72 | 2.12     | 13/16"      |
| DRE-8-16-*  | 1/2"         | 7/8"            | 0.86 | 1"            | 0.41             | 1.97 | 2.37     | 1 1/16"     |
| DRE-10-12-* | 5/8"         | 1"              | 0.86 | 3/4"          | 0.50             | 1.75 | 2.15     | 15/16"      |
| DRE-10-14-* | 5/8"         | 1"              | 0.86 | 7/8"          | 0.50             | 1.81 | 2.21     | 15/16"      |
| DRE-10-16-* | 5/8"         | 1"              | 0.86 | 1"            | 0.50             | 2.02 | 2.42     | 1 1/16"     |
| DRE-12-6-*  | 3/4"         | 1 1/8"          | 0.86 | 3/8"          | 0.62             | 1.55 | 1.96     | 1 1/16"     |
| DRE-12-8-*  | 3/4"         | 1 1/8"          | 0.86 | 1/2"          | 0.39             | 1.79 | 2.19     | 1 1/16"     |
| DRE-12-14-* | 3/4"         | 1 1/8"          | 0.86 | 7/8"          | 0.62             | 1.85 | 2.26     | 1 1/16"     |
| DRE-12-16-* | 3/4"         | 1 1/8"          | 0.86 | 1"            | 0.62             | 2.07 | 2.46     | 1 1/16"     |
| DRE-14-6-*  | 7/8"         | 1 1/4"          | 0.86 | 3/8"          | 0.72             | 1.63 | 2.04     | 1 3/16"     |
| DRE-14-12-* | 7/8"         | 1 1/4"          | 0.86 | 3/4"          | 0.72             | 1.90 | 2.30     | 1 3/16"     |
| DRE-16-8-*  | 1"           | 1 1/2"          | 1.04 | 1/2"          | 0.88             | 2.03 | 2.52     | 1 3/8"      |
| DRE-16-14-* | 1"           | 1 1/2"          | 1.04 | 7/8"          | 0.88             | 2.09 | 2.59     | 1 3/8"      |

\* Add Suffix "SS" for 316 Stainless Steel or "B" for Brass.

**FEMALE NPT CONNECTOR**


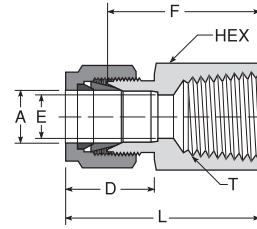
| PART No.  | A<br>Tube OD | Hex<br>Tube Nut | D    | T<br>NPT | E<br>Min Orifice | F    | L<br>OAL | Hex<br>Body |
|-----------|--------------|-----------------|------|----------|------------------|------|----------|-------------|
| DSA-2-2-* | 1/8"         | 7/16"           | 0.60 | 1/8"     | 0.09             | 0.80 | 1.14     | 9/16"       |
| DSA-2-4-* | 1/8"         | 7/16"           | 0.60 | 1/4"     | 0.09             | 1.06 | 1.32     | 3/4"        |
| DSA-2-8-* | 1/8"         | 7/16"           | 0.60 | 1/2"     | 0.09             | 1.34 | 1.80     | 1 1/16"     |
| DSA-3-2-* | 3/16"        | 1/2"            | 0.63 | 1/8"     | 0.12             | 0.91 | 1.17     | 9/16"       |
| DSA-4-1-* | 1/4"         | 9/16"           | 0.70 | 1/16"    | 0.19             | 0.94 | 1.23     | 1/2"        |
| DSA-4-2-* | 1/4"         | 9/16"           | 0.70 | 1/8"     | 0.19             | 0.94 | 1.23     | 9/16"       |
| DSA-4-4-* | 1/4"         | 9/16"           | 0.70 | 1/4"     | 0.19             | 1.12 | 1.41     | 3/4"        |
| DSA-4-6-* | 1/4"         | 9/16"           | 0.70 | 3/8"     | 0.19             | 1.19 | 1.48     | 7/8"        |
| DSA-4-8-* | 1/4"         | 9/16"           | 0.70 | 1/2"     | 0.19             | 1.40 | 1.70     | 1 1/16"     |

\* Add Suffix "SS" for 316 Stainless Steel or "B" for Brass.

(CONTINUED ON NEXT PAGE)

Dimensions are provided in inches and are for reference only, subject to change. Dimensions shown are with the nut in the

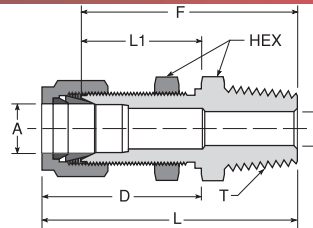
## FEMALE NPT CONNECTOR CONTINUED



| PART No.    | A<br>Tube OD | Hex<br>Tube Nut | D    | T<br>NPT | E<br>Min Orifice | F    | L<br>OAL | Hex<br>Body |
|-------------|--------------|-----------------|------|----------|------------------|------|----------|-------------|
| DSA-5-2-*   | 5/16"        | 5/8"            | 0.73 | 1/8"     | 0.25             | 0.97 | 1.26     | 9/16"       |
| DSA-5-4-*   | 5/16"        | 5/8"            | 0.73 | 1/4"     | 0.25             | 1.16 | 1.45     | 3/4"        |
| DSA-6-2-*   | 3/8"         | 11/16"          | 0.76 | 1/8"     | 0.28             | 1.00 | 1.29     | 5/8"        |
| DSA-6-4-*   | 3/8"         | 11/16"          | 0.76 | 1/4"     | 0.28             | 1.19 | 1.48     | 3/4"        |
| DSA-6-6-*   | 3/8"         | 11/16"          | 0.76 | 3/8"     | 0.28             | 1.25 | 1.54     | 7/8"        |
| DSA-6-8-*   | 3/8"         | 11/16"          | 0.76 | 1/2"     | 0.28             | 1.44 | 1.73     | 1 1/16"     |
| DSA-6-12-*  | 3/8"         | 11/16"          | 0.76 | 3/4"     | 0.28             | 1.55 | 1.84     | 1 5/16"     |
| DSA-6-16-*  | 3/8"         | 11/16"          | 0.76 | 1"       | 0.28             | 1.87 | 2.17     | 1 5/8"      |
| DSA-8-2-*   | 1/2"         | 7/8"            | 0.86 | 1/8"     | 0.41             | 1.00 | 1.41     | 1 1/16"     |
| DSA-8-4-*   | 1/2"         | 7/8"            | 0.86 | 1/4"     | 0.41             | 1.25 | 1.64     | 1 3/16"     |
| DSA-8-6-*   | 1/2"         | 7/8"            | 0.86 | 3/8"     | 0.41             | 1.25 | 1.64     | 7/8"        |
| DSA-8-8-*   | 1/2"         | 7/8"            | 0.86 | 1/2"     | 0.41             | 1.44 | 1.83     | 1 1/16"     |
| DSA-8-12-*  | 1/2"         | 7/8"            | 0.86 | 3/4"     | 0.41             | 1.50 | 1.89     | 1 5/16"     |
| DSA-8-16-*  | 1/2"         | 7/8"            | 0.86 | 1"       | 0.41             | 1.87 | 2.25     | 1 5/8"      |
| DSA-10-6-*  | 5/8"         | 1"              | 0.86 | 3/8"     | 0.50             | 1.25 | 1.64     | 1 5/16"     |
| DSA-10-8-*  | 5/8"         | 1"              | 0.86 | 1/2"     | 0.50             | 1.44 | 1.83     | 1 1/16"     |
| DSA-10-12-* | 5/8"         | 1"              | 0.86 | 3/4"     | 0.50             | 1.50 | 1.90     | 1 5/16"     |
| DSA-12-6-*  | 3/4"         | 1 1/8"          | 0.86 | 3/8"     | 0.62             | 1.34 | 1.74     | 1 1/16"     |
| DSA-12-8-*  | 3/4"         | 1 1/8"          | 0.86 | 1/2"     | 0.62             | 1.44 | 1.83     | 1 1/16"     |
| DSA-12-12-* | 3/4"         | 1 1/8"          | 0.86 | 3/4"     | 0.62             | 1.50 | 1.89     | 1 5/16"     |
| DSA-14-12-* | 7/8"         | 1 1/4"          | 0.86 | 3/4"     | 0.72             | 1.56 | 1.95     | 1 5/16"     |
| DSA-16-12-* | 1"           | 1 1/2"          | 1.04 | 3/4"     | 0.88             | 1.62 | 2.10     | 1 3/8"      |
| DSA-16-16-* | 1"           | 1 1/2"          | 1.04 | 1"       | 0.88             | 1.97 | 2.45     | 1 5/8"      |

\* Add Suffix "SS" for 316 Stainless Steel or "B" for Brass.

## BULKHEAD MALE NPT CONNECTOR



| PART No.    | A<br>Tube OD | Hex<br>Tube Nut | D    | T<br>NPT | E<br>Min Orifice | F    | L1<br>Hex Body | L<br>OAL | Panel Hole<br>Drill Size | Max Panel<br>Thickness |
|-------------|--------------|-----------------|------|----------|------------------|------|----------------|----------|--------------------------|------------------------|
| DSC-2-2-*   | 1/8"         | 5/16"           | 1.24 | 1/8"     | 0.09             | 1.57 | 0.97           | 1/2"     | 21/64"                   | 0.50                   |
| DSC-4-2-*   | 1/4"         | 9/16"           | 1.32 | 1/8"     | 0.19             | 1.66 | 1.03           | 5/8"     | 29/64"                   | 0.40                   |
| DSC-4-4-*   | 1/4"         | 9/16"           | 1.32 | 1/4"     | 0.19             | 1.84 | 1.03           | 5/8"     | 29/64"                   | 0.40                   |
| DSC-6-4-*   | 3/8"         | 1 1/16"         | 1.45 | 1/4"     | 0.28             | 1.97 | 1.16           | 3/4"     | 37/64"                   | 0.44                   |
| DSC-6-6-*   | 3/8"         | 1 1/16"         | 1.45 | 3/8"     | 0.28             | 1.97 | 1.16           | 3/4"     | 37/64"                   | 0.44                   |
| DSC-6-8-*   | 3/8"         | 1 1/16"         | 1.45 | 1/2"     | 0.28             | 2.30 | 1.16           | 7/8"     | 37/64"                   | 0.44                   |
| DSC-8-6-*   | 1/2"         | 7/8"            | 1.63 | 3/8"     | 0.41             | 2.09 | 1.25           | 1 5/16"  | 49/64"                   | 0.50                   |
| DSC-8-8-*   | 1/2"         | 7/8"            | 1.63 | 1/2"     | 0.41             | 2.90 | 1.25           | 1 5/16"  | 49/64"                   | 0.50                   |
| DSC-12-12-* | 3/4"         | 1 1/8"          | 1.85 | 3/4"     | 0.62             | 2.60 | 1.47           | 1 3/16"  | 1 1/64"                  | 0.66                   |
| DSC-16-16-* | 1"           | 1 1/2"          | 2.28 | 1"       | 0.88             | 3.19 | 1.78           | 1 5/8"   | 1 21/64"                 | 0.75                   |

\* Add Suffix "SS" for 316 Stainless Steel or "B" for Brass.

Dimensions are provided in inches and are for reference only, subject to change. Dimensions shown are with the nut in the