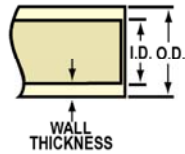
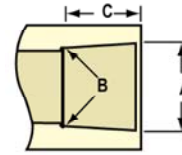


CPVC 41, SDR 11 PIPE DIMENSIONS (CTS) ASTM D 2846, D 2846M



| Nominal Pipe Size In. | Mean Outside Diameter In. | O.D. Tolerance In. | Minimum Wall Thickness In. |
|-----------------------|---------------------------|--------------------|----------------------------|
| 1/2                   | 0.625                     | ±0.003             | 0.060                      |
| 3/4                   | 0.875                     | ±0.003             | 0.080                      |
| 1                     | 1.125                     | ±0.003             | 0.102                      |
| 1-1/4                 | 1.375                     | ±0.003             | 0.125                      |
| 1-1/2                 | 1.625                     | ±0.004             | 0.148                      |
| 2                     | 2.125                     | ±0.004             | 0.193                      |

CPVC 41, SDR 11 SOCKET DIMENSIONS (CTS) ASTM D 2846, D 2846M



| Nominal Size In. | Diameter   |          |               | Socket Length Minimum C |
|------------------|------------|----------|---------------|-------------------------|
|                  | Entrance A | Bottom B | Tolerance In. |                         |
| 1/2              | 0.633      | 0.619    | ±0.003        | 0.500                   |
| 3/4              | 0.884      | 0.870    | ±0.003        | 0.700                   |
| 1                | 1.1345     | 1.121    | ±0.003        | 0.900                   |
| 1-1/4            | 1.386      | 1.372    | ±0.003        | 1.100                   |
| 1-1/2            | 1.640      | 1.622    | ±0.004        | 1.300                   |
| 2                | 2.141      | 2.123    | ±0.004        | 1.700                   |

### Injection Molded Dimension References:

**G** = (LAYING LENGTH) intersection of center lines to bottom of socket/thread; 90° elbows, tees, crosses; ± 1/32 inch.

**H** = Intersection of center lines to face of fitting; 90° elbows, tees, crosses; ± 1/32 inch.

**J** = Intersection of center lines to bottom of socket/thread; 45° elbows; ± 1/32 inch.

**L** = Overall length of fittings; ± 1/16 inch.

**M** = Outside diameter of socket/thread hub; ± 1/16 inch.

**N** = Socket bottom to socket bottom; couplings; ± 1/16 inch.

**W** = Height of cap; ± 1/16 inch.

| COPPER TUBE SIZE (CTS) CPVC PIPE |           |           |           |                  |         |               |
|----------------------------------|-----------|-----------|-----------|------------------|---------|---------------|
| Nominal Pipe Size In.            | AVG. O.D. | AVG. I.D. | MIN. Wall | MAX. W.P. P.S.I. | LBS./FT | Lgths./Carton |
| 1/2                              | 0.625     | 0.469     | 0.060     | 400              | .090    | 50            |
| 3/4                              | 0.875     | 0.695     | 0.080     | 400              | .149    | 25            |
| 1                                | 1.125     | 0.901     | 0.102     | 400              | .353    | 10            |
| 1-1/4                            | 1.375     | 1.105     | 0.125     | 400              | .353    | 10            |
| 1-1/2                            | 1.625     | 1.309     | 0.148     | 400              | .489    | 6             |
| 2                                | 2.125     | 1.716     | 0.193     | 400              | .829    | 4             |

Standard Length- 10 Feet · All pipe is packed in boxes sold in carton quantities only.  
 Pipe has UL 94 V-O rating · For water, non shock, at 73.4°F with solvent welded joints.

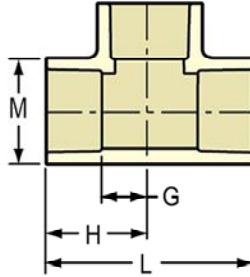


CTS CPVC Technical  
**CTS Product Dimensions**



## Tee

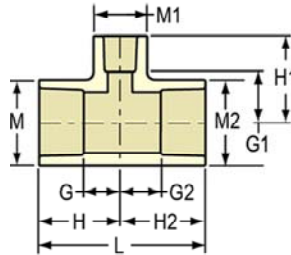
Socket x Socket x Socket  
NSF® Certified Lead Free



| Part Number | Size  | G      | H       | L       | M       | Approx. Wt. (Lbs.) |
|-------------|-------|--------|---------|---------|---------|--------------------|
| 4101-005    | 1/2   | 13/32  | 15/16   | 1-7/8   | 27/32   | .03                |
| 4101-007    | 3/4   | 17/32  | 1- 1/4  | 2- 1/2  | 1- 3/32 | .05                |
| 4101-010    | 1     | 21/32  | 1-19/32 | 3-3/16  | 1- 3/8  | .10                |
| 4101-012    | 1-1/4 | 25/32  | 1-29/32 | 3-13/16 | 1-21/32 | .17                |
| 4101-015    | 1-1/2 | 29/32  | 2-1/4   | 4-1/2   | 1-15/16 | .28                |
| 4101-020    | 2     | 1-3/16 | 2-29/32 | 5-13/16 | 2- 9/16 | .61                |

## Tee - Reducing

Socket x Socket x Socket  
NSF® Certified Lead Free



| Part Number           | Size            | G     | G1      | G2      | H       | H1      | H2      | L       | M       | M1      | M2      | Approx. Wt. (Lbs.) |
|-----------------------|-----------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------|
| 4101-074              | 1/2X1/2X3/4     | 7/16  | 13/32   | 7/16    | 31/32   | 1- 1/8  | 31/32   | 1-15/16 | 27/32   | 1- 3/32 | 27/32   | .04                |
| 4101-094              | 3/4X1/2X1/2     | 7/16  | 1/2     | 1/2     | 1-5/32  | 1- 1/32 | 31/32   | 2- 1/8  | 1- 3/32 | 27/32   | 27/32   | .04                |
| 4101-095              | 3/4X1/2X3/4     | 17/32 | 17/32   | 19/32   | 1-1/4   | 1- 1/4  | 1- 1/8  | 2-3/8   | 1- 3/32 | 1- 3/32 | 27/32   | .05                |
| 4101-101              | 3/4X3/4X1/2     | 13/32 | 1/2     | 13/32   | 1- 1/8  | 1- 1/32 | 1- 1/8  | 2- 1/4  | 1- 3/32 | 7/8     | 1- 3/32 | .04                |
| 4101-102 <sup>1</sup> | 3/4X3/4X1       | 31/32 | 21/32   | 31/32   | 1-23/32 | 1-19/32 | 1-23/32 | 3-7/16  | 1-3/8   | 1-3/8   | 1-3/8   | .15                |
| 4101-120 <sup>1</sup> | 1X1/2X1/2       | 21/32 | 1-9/32  | 1-9/32  | 1-19/32 | 1-13/16 | 1-13/16 | 3-13/32 | 1-3/8   | 1-3/8   | 1-3/8   | .17                |
| 4101-121 <sup>1</sup> | 1X1/2X3/4       | 21/32 | 31/32   | 1-9/32  | 1-19/32 | 1-23/32 | 1-13/16 | 3-13/32 | 1-3/8   | 1-3/8   | 1-3/8   | .16                |
| 4101-122 <sup>1</sup> | 1X1/2X1         | 21/32 | 21/32   | 1-9/32  | 1-19/32 | 1-19/32 | 1-13/16 | 3-13/32 | 1-3/8   | 1-3/8   | 1-3/8   | .14                |
| 4101-124 <sup>1</sup> | 1X3/4X1/2       | 21/32 | 1-9/32  | 31/32   | 1-19/32 | 1-13/16 | 1-23/32 | 3-5/16  | 1-3/8   | 1-3/8   | 1-3/8   | .16                |
| 4101-125              | 1X3/4X3/4       | 17/32 | 11/16   | 17/32   | 1-15/32 | 1-13/32 | 1- 1/4  | 2-23/32 | 1-3/8   | 1-1/8   | 1- 3/32 | .07                |
| 4101-126 <sup>1</sup> | 1X3/4X1         | 21/32 | 21/32   | 1       | 1-19/32 | 1-19/32 | 1-23/32 | 3-5/16  | 1-3/8   | 1-3/8   | 1-3/8   | .12                |
| 4101-130              | 1X1X1/2         | 13/32 | 11/16   | 13/32   | 1-11/32 | 1- 7/32 | 1-11/32 | 2-11/16 | 1- 3/8  | 27/32   | 1- 3/8  | .07                |
| 4101-131              | 1X1X3/4         | 9/16  | 11/16   | 9/16    | 1-15/32 | 1-13/32 | 1-15/32 | 2-15/16 | 1- 3/8  | 1-1/8   | 1- 3/8  | .08                |
| 4101-138 <sup>1</sup> | 1-1/4X1/2X1/2   | 25/32 | 1-11/16 | 1-21/32 | 1-29/32 | 2-3/16  | 2- 3/16 | 4- 3/32 | 1-21/32 | 1-21/32 | 1-21/32 | .30                |
| 4101-139 <sup>1</sup> | 1-1/4X1/2X3/4   | 25/32 | 1-7/16  | 1-21/32 | 1-29/32 | 2-5/32  | 2- 3/16 | 4- 3/32 | 1-21/32 | 1-21/32 | 1-21/32 | .30                |
| 4101-142 <sup>1</sup> | 1-1/4X1/2X1-1/4 | 25/32 | 25/32   | 1-21/32 | 1-29/32 | 1-29/32 | 2- 3/16 | 4- 3/32 | 1-21/32 | 1-21/32 | 1-21/32 | .24                |
| 4101-146 <sup>1</sup> | 1-1/4X3/4X1/2   | 25/32 | 1-11/16 | 1-7/16  | 1-29/32 | 2-3/16  | 2-5/32  | 4-1/16  | 1-21/32 | 1-21/32 | 1-21/32 | .30                |
| 4101-147 <sup>1</sup> | 1-1/4X3/4X3/4   | 25/32 | 1-7/16  | 1-7/16  | 1-29/32 | 2-5/32  | 2-5/32  | 4-1/16  | 1-21/32 | 1-21/32 | 1-21/32 | .30                |
| 4101-148 <sup>1</sup> | 1-1/4X3/4X1     | 25/32 | 1-3/16  | 1-7/16  | 1-29/32 | 2-1/8   | 2-5/32  | 4-1/16  | 1-21/32 | 1-21/32 | 1-21/32 | .28                |
| 4101-149 <sup>1</sup> | 1-1/4X3/4X1-1/4 | 25/32 | 25/32   | 1- 7/16 | 1-29/32 | 1-29/32 | 2-5/32  | 4-1/16  | 1-21/32 | 1-21/32 | 1-21/32 | .24                |
| 4101-156 <sup>1</sup> | 1-1/4X1X1/2     | 25/32 | 1-11/16 | 1-3/16  | 1-29/32 | 2- 3/16 | 2-1/8   | 4-1/32  | 1-21/32 | 1-21/32 | 1-21/32 | .28                |
| 4101-157 <sup>1</sup> | 1-1/4X1X3/4     | 25/32 | 1-7/16  | 1-3/16  | 1-29/32 | 2-5/32  | 2-1/8   | 4-1/32  | 1-21/32 | 1-21/32 | 1-21/32 | .28                |
| 4101-158 <sup>1</sup> | 1-1/4X1X1       | 11/16 | 3/4     | 11/16   | 1-13/16 | 1-5/8   | 1-5/8   | 3-3/8   | 1-11/16 | 1-3/8   | 1-11/16 | .13                |



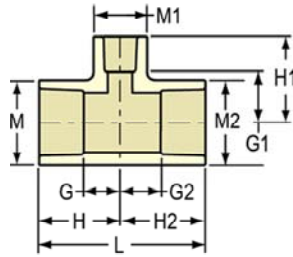
CTS CPVC Technical  
**CTS Product Dimensions**

## Tee - Reducing

Socket x Socket x Socket

NSF® Certified Lead Free

(Continued)



| Part Number           | Size              | G       | G1      | G2      | H       | H1      | H2      | L       | M       | M1      | M2      | Approx. Wt.<br>(Lbs.) |
|-----------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------------|
| 4101-159 <sup>1</sup> | 1-1/4X1X1-1/4     | 25/32   | 25/32   | 1-3/16  | 1-29/32 | 1-29/32 | 2-1/8   | 4-1/32  | 1-21/32 | 1-21/32 | 1-21/32 | .22                   |
| 4101-166              | 1-1/4X1-1/4X1/2   | 13/32   | 27/32   | 13/32   | 1-17/32 | 1-11/32 | 1-17/32 | 3-1/16  | 1-21/32 | 13/16   | 1-21/32 | .12                   |
| 4101-168              | 1-1/4X1-1/4X1     | 11/16   | 27/32   | 11/16   | 1-13/16 | 1-3/4   | 1-13/16 | 3-5/8   | 1-21/32 | 1-3/8   | 1-21/32 | .16                   |
| 4101-167              | 1-1/4X1-1/4X3/4   | 17/32   | 27/32   | 17/32   | 1-21/32 | 1-9/16  | 1-21/32 | 3-5/16  | 1-11/16 | 1-1/8   | 1-11/16 | .13                   |
| 4101-169 <sup>1</sup> | 1-1/4X1-1/4X1-1/2 | 1-3/8   | 29/32   | 1-3/8   | 2-1/2   | 2-1/4   | 2-1/2   | 5       | 1-15/16 | 1-15/16 | 1-15/16 | .40                   |
| 4101-173 <sup>1</sup> | 1-1/2X1/2X1/2     | 29/32   | 2-1/32  | 2-1/32  | 2-1/4   | 2-9/16  | 2-9/16  | 4-13/16 | 1-15/16 | 1-15/16 | 1-15/16 | .49                   |
| 4101-174 <sup>1</sup> | 1-1/2X1/2X3/4     | 29/32   | 1-27/32 | 2-1/32  | 2-1/4   | 2-9/16  | 2-9/16  | 4-13/16 | 1-15/16 | 1-15/16 | 1-15/16 | .48                   |
| 4101-175 <sup>1</sup> | 1-1/2X1/2X1       | 29/32   | 1-9/16  | 2-1/32  | 2-1/4   | 2-1/2   | 2-9/16  | 4-13/16 | 1-15/16 | 1-15/16 | 1-15/16 | .48                   |
| 4101-176 <sup>1</sup> | 1-1/2X1/2X1-1/4   | 29/32   | 1-3/8   | 2-1/32  | 2-1/4   | 2-1/2   | 2-9/16  | 4-13/16 | 1-15/16 | 1-15/16 | 1-15/16 | .44                   |
| 4101-177 <sup>1</sup> | 1-1/2X1/2X1-1/2   | 29/32   | 29/32   | 2-1/32  | 2-1/4   | 2-1/4   | 2-9/16  | 4-13/16 | 1-15/16 | 1-15/16 | 1-15/16 | .38                   |
| 4101-182 <sup>1</sup> | 1-1/2X3/4X1/2     | 29/32   | 2-1/32  | 1-27/32 | 2-1/4   | 2-9/16  | 2-9/16  | 4-13/16 | 1-15/16 | 1-15/16 | 1-15/16 | .48                   |
| 4101-184 <sup>1</sup> | 1-1/2X3/4X3/4     | 29/32   | 1-27/32 | 1-27/32 | 2-1/4   | 2-9/16  | 2-9/16  | 4-13/16 | 1-15/16 | 1-15/16 | 1-15/16 | .48                   |
| 4101-185 <sup>1</sup> | 1-1/2X3/4X1       | 29/32   | 1-9/16  | 1-27/32 | 2-1/4   | 2-1/2   | 2-9/16  | 4-13/16 | 1-15/16 | 1-15/16 | 1-15/16 | .48                   |
| 4101-186 <sup>1</sup> | 1-1/2X3/4X1-1/4   | 29/32   | 1-3/8   | 1-27/32 | 2-1/4   | 2-1/2   | 2-9/16  | 4-13/16 | 1-15/16 | 1-15/16 | 1-15/16 | .44                   |
| 4101-188 <sup>1</sup> | 1-1/2X3/4X1-1/2   | 29/32   | 29/32   | 1-27/32 | 2-1/4   | 2-1/4   | 2-9/16  | 4-13/16 | 1-15/16 | 1-15/16 | 1-15/16 | .38                   |
| 4101-193 <sup>1</sup> | 1-1/2X1X1/2       | 29/32   | 2-1/32  | 1-9/16  | 2-1/4   | 2-9/16  | 2-1/2   | 4-3/4   | 1-15/16 | 1-15/16 | 1-15/16 | .48                   |
| 4101-194 <sup>1</sup> | 1-1/2X1X3/4       | 29/32   | 1-27/32 | 1-9/16  | 2-1/4   | 2-9/16  | 2-1/2   | 4-3/4   | 1-15/16 | 1-15/16 | 1-15/16 | .48                   |
| 4101-195 <sup>1</sup> | 1-1/2X1X1         | 29/32   | 1-9/16  | 1-9/16  | 2-1/4   | 2-1/2   | 2-1/2   | 4-3/4   | 1-15/16 | 1-15/16 | 1-15/16 | .47                   |
| 4101-196 <sup>1</sup> | 1-1/2X1X1-1/4     | 29/32   | 1-3/8   | 1-9/16  | 2-1/4   | 2-1/2   | 2-1/2   | 4-3/4   | 1-15/16 | 1-15/16 | 1-15/16 | .44                   |
| 4101-197 <sup>1</sup> | 1-1/2X1X1-1/2     | 29/32   | 29/32   | 1-19/32 | 2-1/4   | 2-1/4   | 2-1/2   | 4-3/4   | 1-15/16 | 1-15/16 | 1-15/16 | .38                   |
| 4101-199 <sup>1</sup> | 1-1/2X1-1/4X1/2   | 29/32   | 2-1/32  | 1-3/8   | 2-1/4   | 2-9/16  | 2-1/2   | 4-3/4   | 1-15/16 | 1-15/16 | 1-15/16 | .44                   |
| 4101-201 <sup>1</sup> | 1-1/2X1-1/4X3/4   | 29/32   | 1-7/8   | 1-3/8   | 2-1/4   | 2-9/16  | 2-1/2   | 4-3/4   | 1-15/16 | 1-15/16 | 1-15/16 | .44                   |
| 4101-202 <sup>1</sup> | 1-1/2X1-1/4X1     | 29/32   | 1-5/8   | 1-3/8   | 2-1/4   | 2-1/2   | 2-1/4   | 4-3/4   | 1-15/16 | 1-15/16 | 1-15/16 | .44                   |
| 4101-203 <sup>1</sup> | 1-1/2X1-1/4X1-1/4 | 29/32   | 1-3/8   | 1-3/8   | 2-1/4   | 2-1/2   | 2-1/2   | 4-3/4   | 1-15/16 | 1-15/16 | 1-15/16 | .40                   |
| 4101-204 <sup>1</sup> | 1-1/2X1-1/4X1-1/2 | 29/32   | 29/32   | 1-3/8   | 2-1/4   | 2-1/4   | 2-1/2   | 4-3/4   | 1-15/16 | 1-15/16 | 1-15/16 | .34                   |
| 4101-209              | 1-1/2X1-1/2X1/2   | 13/32   | 31/32   | 13/32   | 1-3/4   | 1-1/2   | 1-3/4   | 3-1/2   | 1-15/16 | 7/8     | 1-15/16 | .18                   |
| 4101-210              | 1-1/2X1-1/2X3/4   | 17/32   | 31/32   | 17/32   | 1-7/8   | 1-11/16 | 1-7/8   | 3-3/4   | 1-15/16 | 1-3/32  | 1-15/16 | .21                   |
| 4101-211              | 1-1/2X1-1/2X1     | 11/16   | 31/32   | 11/16   | 2       | 1-29/32 | 2       | 4       | 1-15/16 | 1-3/8   | 1-15/16 | .22                   |
| 4101-212 <sup>1</sup> | 1-1/2X1-1/2X1-1/4 | 29/32   | 1-3/8   | 29/32   | 2-1/4   | 2-1/2   | 2-1/4   | 4-1/2   | 1-15/16 | 1-15/16 | 1-15/16 | .34                   |
| 4101-213 <sup>1</sup> | 1-1/2X1-1/2X2     | 1-29/32 | 1-5/32  | 1-29/32 | 3-7/32  | 2-7/8   | 3-7/32  | 6-7/16  | 2-9/16  | 2-9/16  | 2-9/16  | .98                   |
| 4101-216 <sup>1</sup> | 2X1/2X1/2         | 1-5/32  | 2-5/8   | 2-5/8   | 2-7/8   | 3-5/32  | 3-5/32  | 6-1/32  | 2-9/16  | 2-9/16  | 2-9/16  | 1.01                  |
| 4101-217 <sup>1</sup> | 2X1/2X3/4         | 1-5/32  | 2-7/16  | 2-21/32 | 2-7/8   | 3-5/32  | 3-5/32  | 6-1/32  | 2-9/16  | 2-9/16  | 2-9/16  | 1.03                  |
| 4101-218 <sup>1</sup> | 2X1/2X1           | 1-5/32  | 2-9/32  | 2-5/8   | 2-7/8   | 3-7/32  | 3-5/32  | 6-1/32  | 2-9/16  | 2-9/16  | 2-9/16  | 1.03                  |
| 4101-219 <sup>1</sup> | 2X1/2X1-1/4       | 1-5/32  | 2-1/32  | 2-5/8   | 2-7/8   | 3-7/32  | 3-5/32  | 6-1/32  | 2-9/16  | 2-9/16  | 2-9/16  | 1.02                  |
| 4101-220 <sup>1</sup> | 2X1/2X1-1/2       | 1-5/32  | 1-29/32 | 2-5/8   | 2-7/8   | 3-7/32  | 3-5/32  | 6-1/32  | 2-9/16  | 2-9/16  | 2-9/16  | 1.00                  |
| 4101-221 <sup>1</sup> | 2X1/2X2           | 1-5/32  | 1-5/32  | 2-5/8   | 2-7/8   | 2-7/8   | 3-3/16  | 6-1/16  | 2-9/16  | 2-9/16  | 2-9/16  | .81                   |
| 4101-222 <sup>1</sup> | 2X3/4X1/2         | 1-5/32  | 2-21/32 | 2-7/16  | 2-7/8   | 3-3/16  | 3-3/16  | 6-1/16  | 2-9/16  | 2-9/16  | 2-9/16  | 1.03                  |
| 4101-223 <sup>1</sup> | 2X3/4X3/4         | 1-5/32  | 2-7/16  | 2-7/16  | 2-7/8   | 3-3/16  | 3-3/16  | 6-1/16  | 2-9/16  | 2-9/16  | 2-9/16  | 1.05                  |
| 4101-224 <sup>1</sup> | 2X3/4X1           | 1-3/16  | 2-5/16  | 2-7/16  | 2-7/8   | 3-7/32  | 3-3/16  | 6-1/16  | 2-9/16  | 2-9/16  | 2-9/16  | 1.04                  |
| 4101-225 <sup>1</sup> | 2X3/4X1-1/4       | 1-5/32  | 2-1/32  | 2-7/16  | 2-7/8   | 3-5/32  | 3-3/16  | 6-1/16  | 2-9/16  | 2-9/16  | 2-9/16  | 1.03                  |

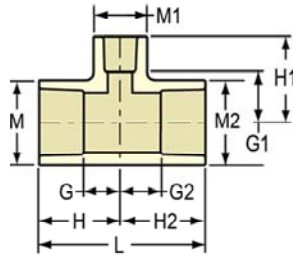
CTS CPVC Technical  
**CTS Product Dimensions**



## Tee - Reducing

Socket x Socket x Socket  
 NSF® Certified Lead Free

(Continued)

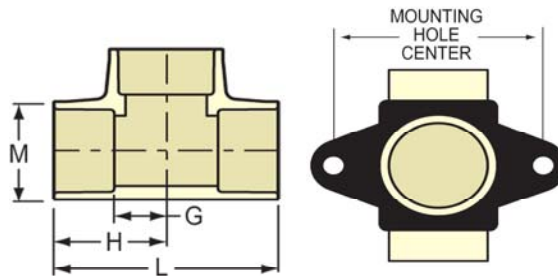


| Part Number           | Size          | G       | G1      | G2      | H       | H1      | H2      | L       | M       | M1      | M2      | Approx. Wt. (Lbs.) |
|-----------------------|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------|
| 4101-226 <sup>1</sup> | 2X3/4X1-1/2   | 1-5/32  | 1-29/32 | 2- 7/16 | 2-7/8   | 3- 7/32 | 3-3/16  | 6-1/16  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.01               |
| 4101-227 <sup>1</sup> | 2X3/4X2       | 1-5/32  | 1- 5/32 | 2- 7/16 | 2-7/8   | 2- 7/8  | 3-3/16  | 6-1/16  | 2- 9/16 | 2- 9/16 | 2- 9/16 | .83                |
| 4101-228 <sup>1</sup> | 2X1X1/2       | 1-5/32  | 2-21/32 | 2-9/32  | 2-7/8   | 3-5/32  | 3-7/32  | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.03               |
| 4101-229 <sup>1</sup> | 2X1X3/4       | 1-5/32  | 2-7/16  | 2-9/32  | 2- 7/8  | 3- 3/16 | 3- 7/32 | 6- 3/32 | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.04               |
| 4101-230 <sup>1</sup> | 2X1X1         | 1-5/32  | 2- 5/16 | 2-9/32  | 2-7/8   | 3- 7/32 | 3-7/32  | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.04               |
| 4101-231 <sup>1</sup> | 2X1X1-1/4     | 1-5/32  | 2-1/16  | 2-9/32  | 2-7/8   | 3-3/16  | 3-7/32  | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.03               |
| 4101-232 <sup>1</sup> | 2X1X1-1/2     | 1-5/32  | 1-29/32 | 2-9/32  | 2-7/8   | 3- 7/32 | 3-7/32  | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.01               |
| 4101-233 <sup>1</sup> | 2X1X2         | 1-5/32  | 1- 5/32 | 2-9/32  | 2-7/8   | 2- 7/8  | 3- 5/32 | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | .83                |
| 4101-234 <sup>1</sup> | 2X1-1/4X1/2   | 1-5/32  | 2-21/32 | 2-1/32  | 2-7/8   | 3-5/32  | 3- 5/32 | 6-1/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.02               |
| 4101-235 <sup>1</sup> | 2X1-1/4X3/4   | 1-5/32  | 2-7/16  | 2-1/32  | 2-7/8   | 3-5/32  | 3- 5/32 | 6-1/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.03               |
| 4101-236 <sup>1</sup> | 2X1-1/4X1     | 1-5/32  | 2- 5/16 | 2-1/32  | 2-7/8   | 3-1/4   | 3- 5/32 | 6-1/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.03               |
| 4101-237 <sup>1</sup> | 2X1-1/2X1/2   | 1-5/32  | 2-5/8   | 1-29/32 | 2-7/8   | 3-5/32  | 3-7/32  | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.00               |
| 4101-238 <sup>1</sup> | 2X1-1/2X3/4   | 1-5/32  | 2-15/32 | 1-29/32 | 2-7/8   | 3- 7/32 | 3-7/32  | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.01               |
| 4101-239 <sup>1</sup> | 2X1-1/2X1     | 1-5/32  | 2-9/32  | 1-29/32 | 2-7/8   | 3- 7/32 | 3-7/32  | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.01               |
| 4101-240 <sup>1</sup> | 2X1-1/2X1-1/4 | 1-5/16  | 2-1/32  | 1-29/32 | 2-7/8   | 3-5/32  | 3-7/32  | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.00               |
| 4101-241 <sup>1</sup> | 2X1-1/2X1-1/2 | 1- 5/32 | 1-29/32 | 1-29/32 | 2- 7/8  | 3-7/32  | 3-7/32  | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | .98                |
| 4101-242 <sup>1</sup> | 2X1-1/4X1-1/4 | 1-5/32  | 2-1/32  | 2-1/32  | 2-7/8   | 3-5/32  | 3- 5/32 | 6-1/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.02               |
| 4101-243 <sup>1</sup> | 2X1-1/4X1-1/2 | 1-5/32  | 1-29/32 | 2-1/32  | 2-7/8   | 3- 7/32 | 3- 5/32 | 6-1/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | 1.00               |
| 4101-244 <sup>1</sup> | 2X1-1/4X2     | 1- 5/32 | 1-5/32  | 2-1/32  | 2- 7/8  | 3- 7/32 | 3-5/32  | 6-1/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | .82                |
| 4101-247              | 2X2X1/2       | 13/32   | 1- 9/32 | 13/32   | 2- 1/8  | 1-25/32 | 2- 1/8  | 4-1/4   | 2- 9/16 | 27/32   | 2- 9/16 | .37                |
| 4101-248              | 2X2X3/4       | 17/32   | 1-9/32  | 17/32   | 2- 1/4  | 2       | 2- 1/4  | 4-1/2   | 2- 9/16 | 1- 1/8  | 2- 9/16 | .39                |
| 4101-249              | 2X2X1         | 11/16   | 1- 9/32 | 11/16   | 2-13/32 | 2- 3/16 | 2-13/32 | 4-13/16 | 2-9/16  | 1- 3/8  | 2-9/16  | .44                |
| 4101-250 <sup>1</sup> | 2X2X1-1/4     | 13/16   | 1-1/4   | 13/16   | 2-17/32 | 2-3/8   | 2-17/32 | 5-1/16  | 2-17/32 | 1-11/16 | 2-17/32 | .47                |
| 4101-251              | 2X2X1-1/2     | 15/16   | 1- 1/4  | 15/16   | 2-21/32 | 2- 9/16 | 2-21/32 | 5-5/16  | 2-9/16  | 1-31/32 | 2-9/16  | .53                |
| 4101-257 <sup>1</sup> | 2X1-1/2X2     | 1-5/32  | 1- 5/32 | 1-29/32 | 2-7/8   | 2- 7/8  | 3-7/32  | 6-3/32  | 2- 9/16 | 2- 9/16 | 2- 9/16 | .80                |

<sup>1</sup> Outlet sized with bushing.

## Drop Ear Tee - CPVC Fitting with Bracket

Socket x Socket x Socket  
 NSF® Certified Lead Free



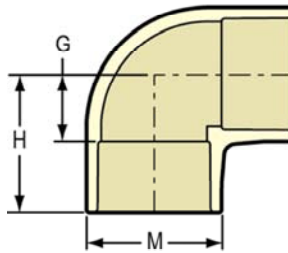
| Part Number | Size | G     | H     | L      | M     | Approx. Wt. (Lbs.) |
|-------------|------|-------|-------|--------|-------|--------------------|
| DE4101-005  | 1/2  | 13/32 | 15/16 | 1- 7/8 | 27/32 | .03                |



CTS CPVC Technical  
**CTS Product Dimensions**

### 90° EII

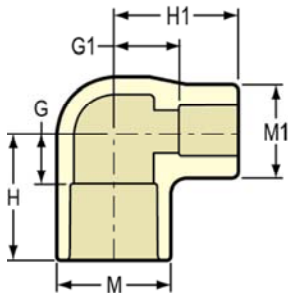
Socket x Socket  
 NSF® Certified Lead Free



| Part Number | Size  | G      | H       | M       | Approx. Wt. (Lbs.) |
|-------------|-------|--------|---------|---------|--------------------|
| 4106-005    | 1/2   | 13/32  | 15/16   | 27/32   | .02                |
| 4106-007    | 3/4   | 17/32  | 1- 1/4  | 1- 1/8  | .04                |
| 4106-010    | 1     | 21/32  | 1- 9/16 | 1- 3/8  | .07                |
| 4106-012    | 1-1/4 | 25/32  | 1- 7/8  | 1-21/32 | .12                |
| 4106-015    | 1-1/2 | 29/32  | 2-1/4   | 1-31/32 | .22                |
| 4106-020    | 2     | 1-3/16 | 2- 7/8  | 2-9/16  | .46                |

### 90° EII - Reducing

Socket x Socket  
 NSF® Certified Lead Free



| Part Number           | Size        | G      | G1      | H       | H1      | M       | M1      | Approx. Wt. (Lbs.) |
|-----------------------|-------------|--------|---------|---------|---------|---------|---------|--------------------|
| 4106-101              | 3/4X1/2     | 3/8    | 1/2     | 1-1/8   | 1- 1/32 | 1- 3/32 | 27/32   | .03                |
| 4106-130 <sup>1</sup> | 1X1/2       | 21/32  | 1-9/32  | 1-9/16  | 1-13/16 | 1-3/8   | 1-3/8   | .11                |
| 4106-131 <sup>1</sup> | 1X3/4       | 21/32  | 31/32   | 1- 9/16 | 1-11/16 | 1- 3/8  | 1- 3/8  | .10                |
| 4106-167 <sup>1</sup> | 1-1/4X3/4   | 25/32  | 1-7/16  | 1-29/32 | 2-5/32  | 1-21/32 | 1-21/32 | .19                |
| 4106-168 <sup>1</sup> | 1-1/4X1     | 25/32  | 1-3/16  | 1-29/32 | 2-3/32  | 1-21/32 | 1-21/32 | .17                |
| 4106-209 <sup>1</sup> | 1-1/2X1/2   | 29/32  | 2- 1/32 | 2- 1/4  | 2-9/16  | 1-15/16 | 1-15/16 | .32                |
| 4106-210 <sup>1</sup> | 1-1/2X3/4   | 29/32  | 1-27/32 | 2- 1/4  | 2- 9/16 | 1-15/16 | 1-15/16 | .32                |
| 4106-211 <sup>1</sup> | 1-1/2X1     | 29/32  | 1-9/16  | 2- 1/4  | 2-1/2   | 1-15/16 | 1-15/16 | .31                |
| 4106-212 <sup>1</sup> | 1-1/2X1-1/4 | 29/32  | 1-3/8   | 2- 1/4  | 2-1/2   | 1-15/16 | 1-15/16 | .28                |
| 4106-247 <sup>1</sup> | 2X1/2       | 1-5/32 | 2-5/8   | 2-7/8   | 3- 3/16 | 2- 9/16 | 2- 9/16 | .66                |
| 4106-248 <sup>1</sup> | 2X3/4       | 1-5/32 | 2- 7/16 | 2-7/8   | 3- 5/32 | 2- 9/16 | 2- 9/16 | .68                |
| 4106-249 <sup>1</sup> | 2X1         | 1-5/32 | 2- 9/32 | 2-7/8   | 3- 3/16 | 2- 9/16 | 2- 9/16 | .68                |
| 4106-250 <sup>1</sup> | 2X1-1/4     | 1-5/32 | 2-1/32  | 2-7/8   | 3- 5/32 | 2- 9/16 | 2- 9/16 | .66                |
| 4106-251 <sup>1</sup> | 2X1-1/2     | 1-5/32 | 1-7/8   | 2-7/8   | 3- 7/32 | 2- 9/16 | 2- 9/16 | .64                |

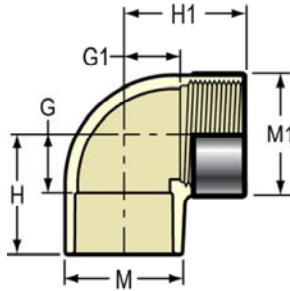
<sup>1</sup> Outlet sized with bushing.

CTS CPVC Technical  
**CTS Product Dimensions**



**90° EII - Special Reinforced**

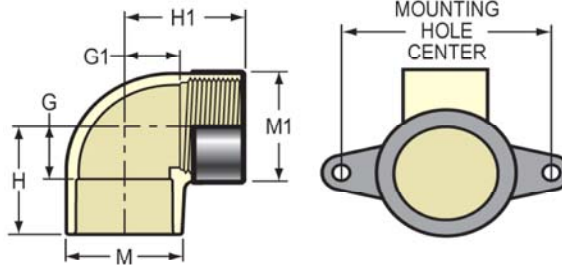
Socket x SR Fipt - Stainless Steel Collar  
 NSF® Certified Lead Free



| Part Number | Size | G     | G1  | H     | H1    | M     | M1     | Approx. Wt. (Lbs.) |
|-------------|------|-------|-----|-------|-------|-------|--------|--------------------|
| 4107-005SR  | 1/2  | 13/32 | 3/8 | 15/16 | 1-1/8 | 27/32 | 1-7/32 | .05                |

**Drop Ear 90° EII - CPVC Zinc Reinforced (One Piece Unit)**

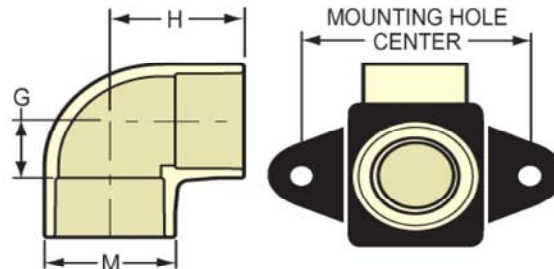
Socket x SR Fipt - Zinc Collar  
 NSF® Certified Lead Free



| Part Number   | Size | G     | G1    | H     | H1     | M     | M1    | Approx. Wt. (Lbs.) |
|---------------|------|-------|-------|-------|--------|-------|-------|--------------------|
| DEZ4107-005SR | 1/2  | 13/32 | 13/32 | 15/16 | 1-7/32 | 27/32 | 1-3/8 | .15                |

**Drop Ear 90° EII - CPVC Fitting with Bracket**

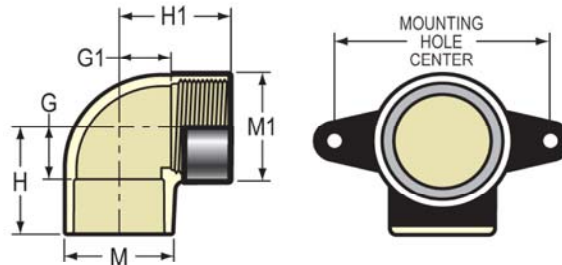
Socket x Socket  
 NSF® Certified Lead Free



| Part Number | Size | G     | H     | M     | Approx. Wt. (Lbs.) |
|-------------|------|-------|-------|-------|--------------------|
| DE4106-005  | 1/2  | 13/32 | 15/16 | 27/32 | .03                |

**Drop Ear 90° EII - Special Reinforced CPVC Fitting with Bracket**

Socket x SR Fipt - Stainless Steel Collar  
 NSF® Certified Lead Free



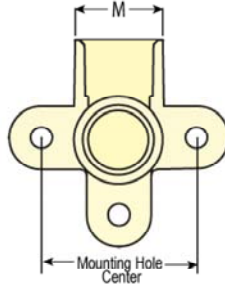
| Part Number  | Size | G    | G1  | H     | H1     | M     | M1     | Mounting Hole Center | Approx. Wt. (Lbs.) |
|--------------|------|------|-----|-------|--------|-------|--------|----------------------|--------------------|
| DE4107-005SR | 1/2  | 7/16 | 3/8 | 15/16 | 1-5/32 | 27/32 | 1-7/32 | 2-1/32               | .06                |



CTS CPVC Technical  
**CTS Product Dimensions**

**Drop Ear Ell - CPVC One Piece**

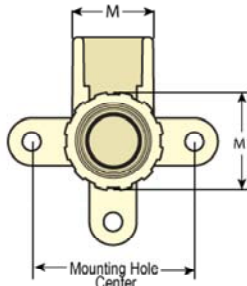
Socket x Socket  
NSF® Certified Lead Free



| Part Number | Size | M     | Approx. Wt. (Lbs.) |
|-------------|------|-------|--------------------|
| DE4106-005C | 1/2  | 13/16 | .04                |

**Drop Ear Ell - CPVC One Piece with Gasket**

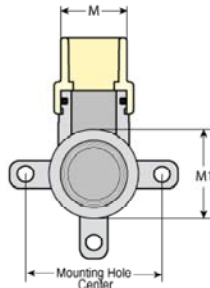
Socket x Fipt  
NSF® Certified Lead Free



| Part Number  | Size | M   | M1     | Approx. Wt. (Lbs.) |
|--------------|------|-----|--------|--------------------|
| DE4107-005CG | 1/2  | 7/8 | 1-3/16 | .07                |

**Drop Ear Ell - Stainless Steel Thread**

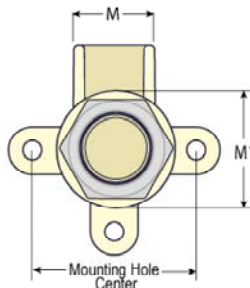
Socket x SS Fipt  
NSF® Certified Lead Free



| Part Number  | Size | M     | M1     | Approx. Wt. (Lbs.) |
|--------------|------|-------|--------|--------------------|
| DE4107-005SS | 1/2  | 27/32 | 1-3/16 | .23                |

**Drop Ear Ell - Stainless Steel Thread/CPVC Body**

Socket x SS Fipt  
NSF® Certified Lead Free



| Part Number   | Size | M   | M1     | Mounting Hole Center | Approx. Wt. (Lbs.) |
|---------------|------|-----|--------|----------------------|--------------------|
| DE4107-005CSS | 1/2  | 7/8 | 1-3/16 | 1-3/4                | .30                |

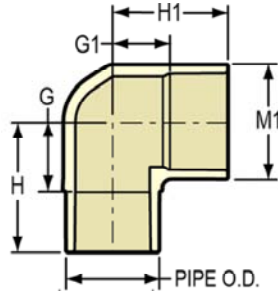
CTS CPVC Technical  
**CTS Product Dimensions**



### 90° Street Ell

Spigot x Socket

NSF® Certified Lead Free

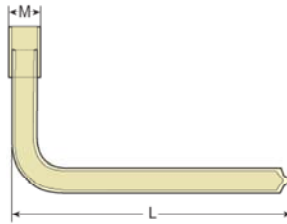


| Part Number | Size | G     | G1    | H       | H1      | M1      | Pipe O.D. | Approx. Wt. (Lbs.) |
|-------------|------|-------|-------|---------|---------|---------|-----------|--------------------|
| 4109-005    | 1/2  | 17/32 | 3/8   | 1- 1/16 | 7/8     | 27/32   | 5/8       | .02                |
| 4109-007    | 3/4  | 19/32 | 17/32 | 1- 5/16 | 1- 1/4  | 1-1/8   | 7/8       | .04                |
| 4109-010    | 1    | 25/32 | 21/32 | 1-11/16 | 1- 9/16 | 1-11/32 | 1-1/8     | .09                |

### 90° Stub Out Ell (Closed End)

Socket x Closed End

NSF® Certified Lead Free

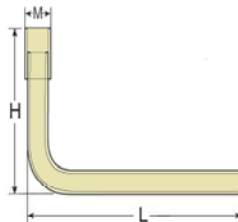


| Part Number | Size | L      | M     | Approx. Wt. (Lbs.) |
|-------------|------|--------|-------|--------------------|
| S4106-005   | 1/2  | 8-9/32 | 27/32 | .10                |

### 90° Stub Out Elbow (Open End)

Socket X Open End

NSF® Certified Lead Free



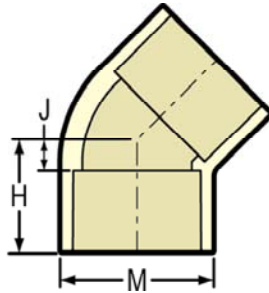
| Part Number | Size | H      | L  | M      | Approx. Wt. (Lbs.) |
|-------------|------|--------|----|--------|--------------------|
| S4109-005   | 1/2  | 9-3/4  | 29 | 27/32  | .25                |
| S4109-007   | 3/4  | 10-1/4 | 29 | 1-3/32 | .47                |



CTS CPVC Technical  
**CTS Product Dimensions**

### 45° EII

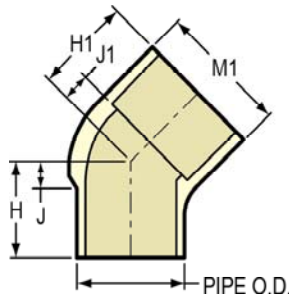
Socket x Socket  
NSF® Certified Lead Free



| Part Number | Size  | H       | J     | M       | Approx. Wt. (Lbs.) |
|-------------|-------|---------|-------|---------|--------------------|
| 4117-005    | 1/2   | 23/32   | 7/32  | 27/32   | .01                |
| 4117-007    | 3/4   | 31/32   | 1/4   | 1-3/32  | .03                |
| 4117-010    | 1     | 1- 7/32 | 5/16  | 1- 3/8  | .05                |
| 4117-012    | 1-1/4 | 1-15/32 | 11/32 | 1-21/32 | .11                |
| 4117-015    | 1-1/2 | 1-23/32 | 13/32 | 1-31/32 | .17                |
| 4117-020    | 2     | 2-7/32  | 1/2   | 2- 9/16 | .37                |

### 45° Street EII

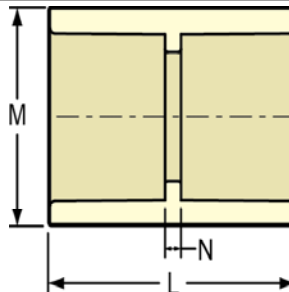
Spigot x Socket  
NSF® Certified Lead Free



| Part Number | Size | H       | H1     | J     | J1   | M1      | Approx. Wt. (Lbs.) |
|-------------|------|---------|--------|-------|------|---------|--------------------|
| 4127-005    | 1/2  | 3/4     | 23/32  | 1/4   | 7/32 | 27/32   | .01                |
| 4127-007    | 3/4  | 1-1/32  | 31/32  | 5/16  | 1/4  | 1- 3/32 | .03                |
| 4127-010    | 1    | 1- 5/16 | 1-7/32 | 13/32 | 5/16 | 1- 3/8  | .05                |

### Coupling

Socket x Socket  
NSF® Certified Lead Free



| Part Number | Size  | L       | M       | N   | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|-----|--------------------|
| 4129-005    | 1/2   | 1- 5/32 | 27/32   | 1/8 | .01                |
| 4129-007    | 3/4   | 1- 9/16 | 1-3/32  | 1/8 | .02                |
| 4129-010    | 1     | 1-15/16 | 1- 3/8  | 1/8 | .04                |
| 4129-012    | 1-1/4 | 2- 3/8  | 1-21/32 | 1/8 | .08                |
| 4129-015    | 1-1/2 | 2- 3/4  | 1-31/32 | 1/8 | .13                |
| 4129-020    | 2     | 3- 9/16 | 2- 9/16 | 1/8 | .28                |

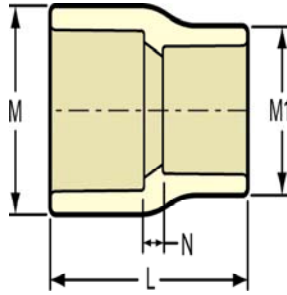
CTS CPVC Technical  
**CTS Product Dimensions**



## Coupling - Reducer

Socket x Socket

NSF® Certified Lead Free



| Part Number           | Size        | L       | M       | M1      | N       | Approx. Wt. (Lbs.) |
|-----------------------|-------------|---------|---------|---------|---------|--------------------|
| 4129-101              | 3/4X1/2     | 1-11/32 | 1- 3/32 | 13/16   | 1/8     | .02                |
| 4129-130              | 1X1/2       | 2-5/32  | 1-3/8   | 1-3/8   | 23/32   | .08                |
| 4129-131              | 1X3/4       | 1- 3/4  | 1-11/32 | 1- 3/32 | 1/8     | .03                |
| 4129-166 <sup>1</sup> | 1-1/4X1/2   | 2- 5/8  | 1-21/32 | 1-21/32 | 31/32   | .14                |
| 4129-167 <sup>1</sup> | 1-1/4X3/4   | 2- 5/8  | 1-21/32 | 1-21/32 | 25/32   | .14                |
| 4129-168 <sup>1</sup> | 1-1/4X1     | 2-9/16  | 1-21/32 | 1-21/32 | 1/2     | .12                |
| 4129-209 <sup>1</sup> | 1-1/2X1/2   | 3- 1/16 | 1-31/32 | 1-31/32 | 1-1/4   | .23                |
| 4129-210 <sup>1</sup> | 1-1/2X3/4   | 3- 1/16 | 1-15/16 | 1-15/16 | 1- 1/32 | .23                |
| 4129-211 <sup>1</sup> | 1-1/2X1     | 3       | 2       | 2       | 3/4     | .22                |
| 4129-212 <sup>1</sup> | 1-1/2X1-1/4 | 3       | 1-15/16 | 1-15/16 | 9/16    | .19                |
| 4129-247 <sup>1</sup> | 2X1/2       | 3-3/4   | 2-11/16 | 2-11/16 | 1-1/2   | .48                |
| 4129-248 <sup>1</sup> | 2X3/4       | 3-27/32 | 2-17/32 | 2-17/32 | 1-3/8   | .50                |
| 4129-249              | 2X1         | 3-7/8   | 2- 9/16 | 2- 9/16 | 1-1/4   | .50                |
| 4129-250 <sup>1</sup> | 2X1-1/4     | 3-13/16 | 2- 9/16 | 2- 9/16 | 1       | .48                |
| 4129-251 <sup>1</sup> | 2X1-1/2     | 3-23/32 | 2- 9/16 | 2- 9/16 | 11/16   | .46                |

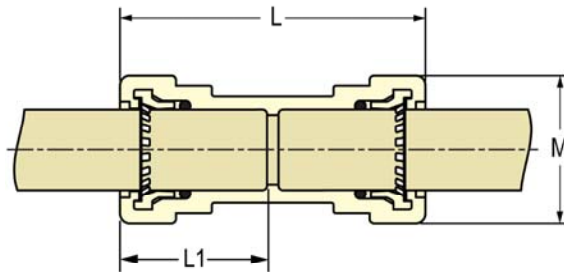
<sup>1</sup> Outlet sized with bushing.

## GripLoc™ Coupling

WARNING: DO NOT INSERT FINGERS

Grip Socket x Grip Socket - Uses No Solvent Cement

NSF® Certified Lead Free



| Part Number | Size | L      | L1      | M       | Approx. Wt. (Lbs.) |
|-------------|------|--------|---------|---------|--------------------|
| GL4129-005  | 1/2  | 2-3/4  | 1-5/16  | 1-1/4   | .08                |
| GL4129-007  | 3/4  | 3-5/16 | 1-9/32  | 1-17/32 | .16                |
| GL4129-010  | 1    | 4      | 1-29/32 | 2       | .26                |

Note: The GripLoc™ is water tight, permanent and cannot be removed.

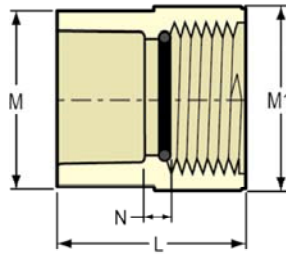


## CTS CPVC Technical CTS Product Dimensions

### Female Adapter - with Gasket

Socket x Thread

For Cold Water Service Only - NSF® Certified  
Lead Free

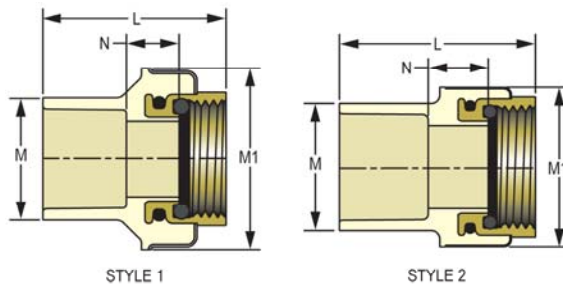


| Part Number | Size | L       | M     | M1      | N     | Approx. Wt. (Lbs.) |
|-------------|------|---------|-------|---------|-------|--------------------|
| 4135-005OR  | 1/2  | 1-1/4   | 27/32 | 1- 7/32 | 11/32 | .02                |
| 4135-007OR  | 3/4  | 1-1/2   | 1-1/8 | 1-1/2   | 11/32 | .04                |
| 4135-010OR  | 1    | 1-15/16 | 1-3/8 | 1-7/8   | 11/32 | .09                |

### Female Adapter - Gasket Sealed Brass Thread Transition

Socket x Gasket Fipt - Use NO Thread Sealant

NSF® Certified Lead Free

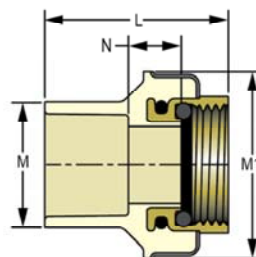


| Part Number | Size  | L       | M       | M1      | N     | Style | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|---------|-------|-------|--------------------|
| 4135-005BRG | 1/2   | 1- 1/2  | 27/32   | 1- 7/16 | 9/16  | 1     | .11                |
| 4135-007BRG | 3/4   | 1- 9/16 | 1- 3/32 | 1- 5/8  | 15/32 | 1     | .20                |
| 4135-010BRG | 1     | 2- 1/32 | 1-11/32 | 1-23/32 | 5/8   | 2     | .21                |
| 4135-012BRG | 1-1/4 | 2- 7/32 | 1-21/32 | 2- 1/16 | 19/32 | 2     | .31                |
| 4135-015BRG | 1-1/2 | 2- 7/16 | 1-15/16 | 2- 7/16 | 5/8   | 2     | .42                |
| 4135-020BRG | 2     | 2-27/32 | 2-17/32 | 3       | 19/32 | 2     | .55                |

### Female Adapter - Reducing Gasket Sealed Brass Thread Transition

Socket x Gasket Fipt - Use NO Thread Sealant

NSF® Certified Lead Free



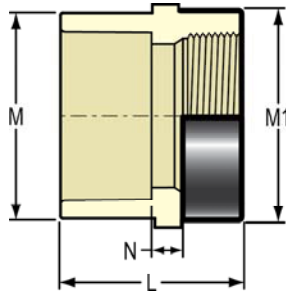
| Part Number | Size    | L       | M       | M1      | N     | Approx. Wt. (Lbs.) |
|-------------|---------|---------|---------|---------|-------|--------------------|
| 4135-101BRG | 3/4X1/2 | 1- 9/16 | 1- 3/32 | 1- 7/16 | 7/16  | .11                |
| 4135-130BRG | 1X1/2   | 1- 3/4  | 1-11/32 | 1- 7/16 | 13/32 | .12                |

CTS CPVC Technical  
**CTS Product Dimensions**



**Female Adapter - CPVC Special Reinforced**

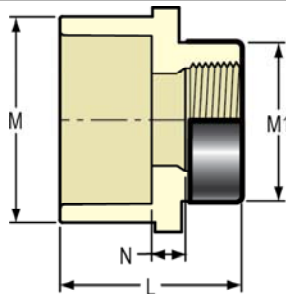
Socket x SR Fipt - Stainless Steel Collar  
 NSF® Certified Lead Free



| Part Number                | Size | L       | M       | M1      | N   | Approx. Wt. (Lbs.) |
|----------------------------|------|---------|---------|---------|-----|--------------------|
| <a href="#">4135-005SR</a> | 1/2  | 1- 3/8  | 27/32   | 1- 7/32 | 1/8 | .04                |
| <a href="#">4135-007SR</a> | 3/4  | 1-9/16  | 1- 3/32 | 1- 3/8  | 1/8 | .06                |
| <a href="#">4135-010SR</a> | 1    | 1-15/16 | 1- 3/8  | 1-23/32 | 1/8 | .10                |

**Female Adapter - CPVC Reducing Special Reinforced**

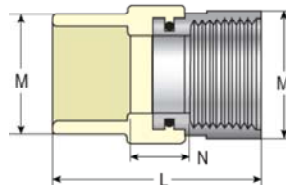
Socket x SR Fipt - Stainless Steel Collar  
 NSF® Certified Lead Free



| Part Number                | Size  | L     | M       | M1     | N    | Approx. Wt. (Lbs.) |
|----------------------------|-------|-------|---------|--------|------|--------------------|
| <a href="#">4135-131SR</a> | 1X3/4 | 1-7/8 | 1-13/32 | 1- 3/8 | 3/16 | .07                |

**Female Adapter - Stainless Steel Thread Transition**

Socket x SS Fipt  
 NSF® Certified Lead Free



| Part Number                | Size  | L       | M       | M1      | N     | Approx. Wt. (Lbs.) |
|----------------------------|-------|---------|---------|---------|-------|--------------------|
| <a href="#">4135-005SS</a> | 1/2   | 1-3/4   | 7/8     | 1-1/32  | 19/32 | .10                |
| <a href="#">4135-007SS</a> | 3/4   | 2       | 1-3/32  | 1-5/16  | 21/32 | .18                |
| <a href="#">4135-010SS</a> | 1     | 2-11/32 | 1-3/8   | 1-21/32 | 5/8   | .28                |
| <a href="#">4135-012SS</a> | 1-1/4 | 2-15/16 | 1-11/16 | 2-3/16  | 7/8   | .69                |
| <a href="#">4135-015SS</a> | 1-1/2 | 3-5/32  | 1-31/32 | 2-7/16  | 7/8   | .81                |
| <a href="#">4135-020SS</a> | 2     | 3-21/32 | 2-9/16  | 3       | 15/16 | 1.45               |

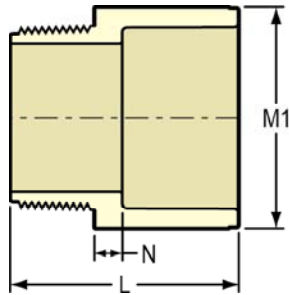


CTS CPVC Technical  
**CTS Product Dimensions**

### Male Adapter

Mipt x Socket

For Cold Water Service Only - NSF® Certified  
Lead Free

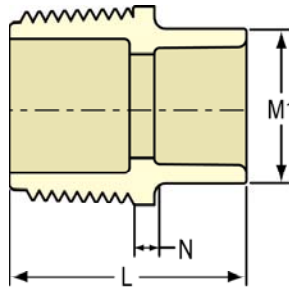


| Part Number | Size  | L       | M1      | N    | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|------|--------------------|
| 4136-005    | 1/2   | 1- 9/32 | 27/32   | 5/32 | .01                |
| 4136-007    | 3/4   | 1-17/32 | 1-3/16  | 1/8  | .02                |
| 4136-010    | 1     | 1- 7/8  | 1-11/32 | 3/32 | .05                |
| 4136-012    | 1-1/4 | 2- 9/32 | 1-11/16 | 5/16 | .09                |
| 4136-015    | 1-1/2 | 2-17/32 | 1-15/16 | 5/16 | .13                |
| 4136-020    | 2     | 2-31/32 | 2-9/16  | 5/16 | .23                |

### Male Adapter - Reducing

Mipt x Socket

For Cold Water Service Only - NSF® Certified  
Lead Free

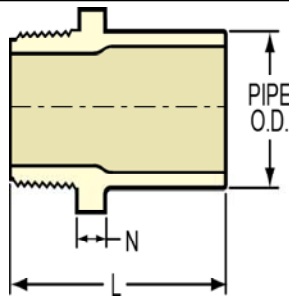


| Part Number | Size    | L       | M1      | N    | Approx. Wt. (Lbs.) |
|-------------|---------|---------|---------|------|--------------------|
| 4136-074    | 1/2X3/4 | 1-9/16  | 1- 3/32 | 5/32 | .02                |
| 4136-101    | 3/4X1/2 | 1-11/32 | 27/32   | 1/8  | .02                |

### Male Adapter - Spigot

Mipt x Spigot

For Cold Water Service Only - NSF® Certified  
Lead Free



| Part Number | Size | L       | N    | Pipe O.D. | Approx. Wt. (Lbs.) |
|-------------|------|---------|------|-----------|--------------------|
| 4161-005    | 1/2  | 1- 5/16 | 3/16 | 5/8       | .01                |

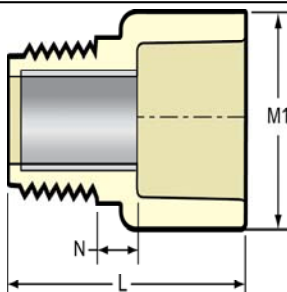
CTS CPVC Technical  
**CTS Product Dimensions**



**Male Adapter - Internal  
 Stainless Steel Reinforced**

R Mipt x Socket

NSF® Certified Lead Free



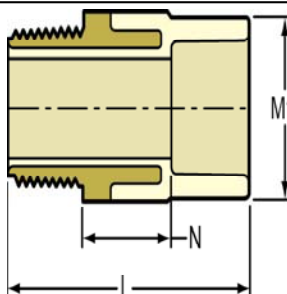
| Part Number | Size  | L       | M1      | N     | Approx. Wt.<br>(Lbs.) |
|-------------|-------|---------|---------|-------|-----------------------|
| 4136-005R   | 1/2   | 1-23/32 | 27/32   | 9/16  | .03                   |
| 4136-007R   | 3/4   | 1-15/16 | 1- 3/32 | 9/16  | .05                   |
| 4136-010R   | 1     | 2- 7/16 | 1-11/32 | 11/16 | .11                   |
| 4136-012R   | 1-1/4 | 2-13/16 | 1-11/16 | 11/16 | .13                   |
| 4136-015R   | 1-1/2 | 3-3/32  | 1-31/32 | 3/4   | .18                   |
| 4136-020R   | 2     | 3-9/16  | 2-9/16  | 3/4   | .27                   |



**Male Adapter - Transition with  
 CPVC Lined Brass Thread**

Brass Mipt x Socket

NSF® Certified Lead Free



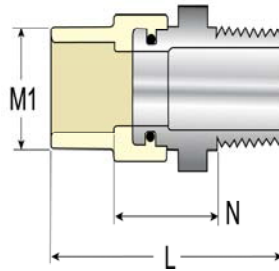
| Part Number | Size  | L       | M1      | N     | Approx. Wt.<br>(Lbs.) |
|-------------|-------|---------|---------|-------|-----------------------|
| 4136-005BR  | 1/2   | 2       | 27/32   | 25/32 | .14                   |
| 4136-007BR  | 3/4   | 2- 1/4  | 1- 3/16 | 27/32 | .21                   |
| 4136-010BR  | 1     | 2-11/16 | 1- 3/8  | 29/32 | .37                   |
| 4136-012BR  | 1-1/4 | 3       | 1-21/32 | 31/32 | .61                   |
| 4136-015BR  | 1-1/2 | 3-7/32  | 1-15/16 | 31/32 | .74                   |
| 4136-020BR  | 2     | 3-5/8   | 2-17/32 | 31/32 | 1.06                  |



CTS CPVC Technical  
**CTS Product Dimensions**

**Male Adapter - Transition with  
 Stainless Steel Thread**

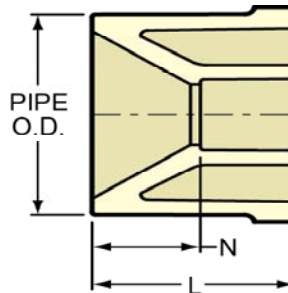
Socket x SS Mipt  
 NSF® Certified Lead Free



| Part Number | Size  | L       | M1      | N      | Approx. Wt.<br>(Lbs.) |
|-------------|-------|---------|---------|--------|-----------------------|
| 4136-005SS  | 1/2   | 1-31/32 | 7/8     | 3/4    | .15                   |
| 4136-007SS  | 3/4   | 2-3/16  | 1-3/32  | 3/4    | .17                   |
| 4136-010SS  | 1     | 2-27/32 | 1-3/8   | 1      | .31                   |
| 4136-012SS  | 1-1/4 | 3-9/32  | 1-11/16 | 1-1/4  | .50                   |
| 4136-015SS  | 1-1/2 | 3-17/32 | 2       | 1-1/4  | .86                   |
| 4136-020SS  | 2     | 3-31/32 | 2-9/16  | 1-5/16 | 1.08                  |

**Reducer Bushing**

Spigot x Socket  
 NSF® Certified Lead Free



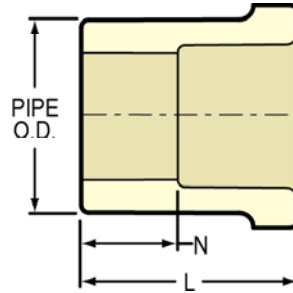
| Part Number | Size        | L       | N       | Pipe O.D. | Approx. Wt.<br>(Lbs.) |
|-------------|-------------|---------|---------|-----------|-----------------------|
| 4137-101    | 3/4X1/2     | 27/32   | 1/8     | 7/8       | .01                   |
| 4137-130    | 1X1/2       | 1- 1/8  | 5/8     | 1-1/8     | .03                   |
| 4137-131    | 1X3/4       | 1- 1/16 | 11/32   | 1-1/8     | .02                   |
| 4137-166    | 1-1/4X1/2   | 1-3/8   | 7/8     | 1-3/8     | .06                   |
| 4137-167    | 1-1/4X3/4   | 1- 3/8  | 21/32   | 1-3/8     | .06                   |
| 4137-168    | 1-1/4X1     | 1- 5/16 | 3/8     | 1-3/8     | .04                   |
| 4137-209    | 1-1/2X1/2   | 1-21/32 | 1- 1/8  | 1-5/8     | .10                   |
| 4137-210    | 1-1/2X3/4   | 1- 5/8  | 29/32   | 1-5/8     | .09                   |
| 4137-211    | 1-1/2X1     | 1-19/32 | 21/32   | 1-5/8     | .09                   |
| 4137-212    | 1-1/2X1-1/4 | 1-19/32 | 7/16    | 1-5/8     | .05                   |
| 4137-247    | 2X1/2       | 1-29/32 | 1-3/8   | 2-1/8     | .20                   |
| 4137-248    | 2X3/4       | 2       | 1- 9/32 | 2-1/8     | .21                   |
| 4137-249    | 2X1         | 2-1/16  | 1-1/8   | 2-1/8     | .21                   |
| 4137-250    | 2X1-1/4     | 1-31/32 | 7/8     | 2-1/8     | .20                   |
| 4137-251    | 2X1-1/2     | 2- 1/32 | 23/32   | 2-1/8     | .18                   |

CTS CPVC Technical  
**CTS Product Dimensions**



### Transition Bushing

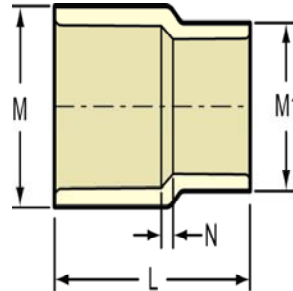
IPS Spigot x CTS Socket  
 NSF® Certified Lead Free



| Part Number | Size  | L       | N     | Pipe O.D. | Approx. Wt. (Lbs.) |
|-------------|-------|---------|-------|-----------|--------------------|
| 4140-005    | 1/2   | 15/16   | 13/32 | 27/32     | .01                |
| 4140-007    | 3/4   | 1-5/32  | 7/16  | 1-1/16    | .01                |
| 4140-010    | 1     | 1-9/32  | 11/32 | 1-5/16    | .03                |
| 4140-012    | 1-1/4 | 1-7/16  | 11/32 | 1-21/32   | .06                |
| 4140-015    | 1-1/2 | 1-21/32 | 5/16  | 1-29/32   | .07                |
| 4140-020    | 2     | 1-27/32 | 1/8   | 2-3/8     | .10                |

### Transition Coupling

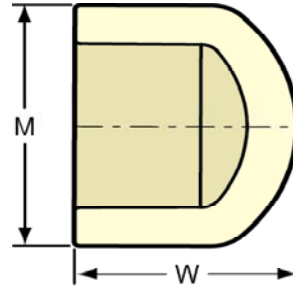
IPS Socket x CTS Socket  
 NSF® Certified Lead Free



| Part Number | Size | L       | M       | M1      | N   | Approx. Wt. (Lbs.) |
|-------------|------|---------|---------|---------|-----|--------------------|
| 4141-007    | 3/4  | 1-27/32 | 1- 5/16 | 1- 3/32 | 1/8 | .04                |
| 4141-010    | 1    | 2- 5/32 | 1-19/32 | 1- 3/8  | 1/8 | .07                |

### Cap

Socket  
 NSF® Certified Lead Free



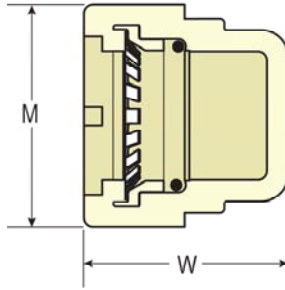
| Part Number | Size  | M       | W       | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|--------------------|
| 4147-005    | 1/2   | 27/32   | 21/32   | .01                |
| 4147-007    | 3/4   | 1-3/32  | 7/8     | .02                |
| 4147-010    | 1     | 1- 3/8  | 1- 9/32 | .03                |
| 4147-012    | 1-1/4 | 1-21/32 | 1-9/16  | .06                |
| 4147-015    | 1-1/2 | 1-15/16 | 1-7/8   | .10                |
| 4147-020    | 2     | 2- 9/16 | 2-9/16  | .25                |



## CTS CPVC Technical CTS Product Dimensions

### GripLoc™ Cap

WARNING: DO NOT INSERT FINGERS  
Grip Socket - Uses No Solvent Cement  
NSF® Certified Lead Free

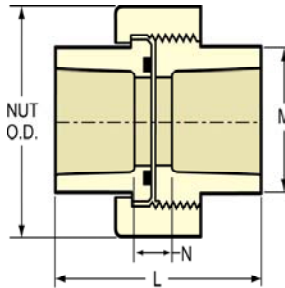


| Part Number | Size | M      | W       | Approx. Wt. (Lbs.) |
|-------------|------|--------|---------|--------------------|
| GL4147-005  | 1/2  | 1-5/16 | 1-1/4   | .05                |
| GL4147-007  | 3/4  | 1-7/16 | 1-17/32 | .06                |
| GL4147-010  | 1    | 1-3/4  | 2       | .12                |

Note: The GripLoc™ is water tight, permanent and cannot be removed.

### Union

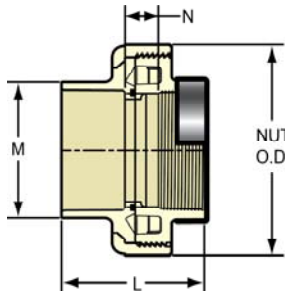
Socket with EPDM O-ring Seal  
100 psi Maximum Internal Pressure @ 180°F  
(82°C) - NSF® Certified Lead Free



| Part Number | Size  | L       | M       | N    | NUT O.D. | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|------|----------|--------------------|
| 4197-005    | 1/2   | 1-3/8   | 27/32   | 5/16 | 1-7/16   | .05                |
| 4197-007    | 3/4   | 1- 3/4  | 1-1/16  | 5/16 | 1-23/32  | .07                |
| 4197-010    | 1     | 2-13/32 | 1-1/2   | 9/16 | 2- 1/2   | .28                |
| 4197-012    | 1-1/4 | 2-21/32 | 1-23/32 | 3/8  | 2-21/32  | .25                |
| 4197-015    | 1-1/2 | 2-15/16 | 2-1/16  | 5/16 | 3-3/16   | .41                |
| 4197-020    | 2     | 3-31/32 | 2-9/16  | 1/2  | 3-5/8    | .58                |

### Union - Special Reinforced

Socket x SR Fipt - Stainless Steel Collar  
100 psi Maximum Internal Pressure @ 180°F  
(82°C) - NSF® Certified Lead Free



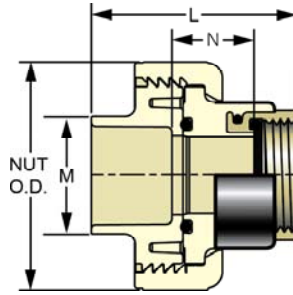
| Part Number | Size | L       | M      | N     | NUT O.D. | Approx. Wt. (Lbs.) |
|-------------|------|---------|--------|-------|----------|--------------------|
| 4199-005SR  | 1/2  | 1-9/16  | 27/32  | 5/16  | 1-15/16  | .12                |
| 4199-007SR  | 3/4  | 1-13/16 | 1-3/32 | 13/32 | 2- 3/8   | .19                |
| 4199-010SR  | 1    | 2-1/4   | 1- 3/8 | 7/16  | 2-21/32  | .27                |

CTS CPVC Technical  
**CTS Product Dimensions**



**Union - Gasket Sealed Brass  
 Thread Transition**

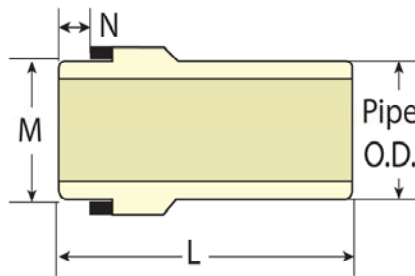
Socket x Gasket Fipt  
 - Use No Thread Sealant  
 100 psi Maximum Internal Pressure @ 180°F  
 (82°C) - NSF® Certified Lead Free



| Part Number | Size | L       | M       | N     | NUT O.D. | Approx. Wt.<br>(Lbs.) |
|-------------|------|---------|---------|-------|----------|-----------------------|
| 4199-005BRG | 1/2  | 1-11/16 | 27/32   | 3/4   | 2- 1/8   | .22                   |
| 4199-007BRG | 3/4  | 1-29/32 | 1- 3/32 | 25/32 | 2-11/32  | .34                   |
| 4199-010BRG | 1    | 2- 3/8  | 1- 3/8  | 15/16 | 2-21/32  | .40                   |

**Transition Compression  
 Adapter**

Compression w/Gasket x CPVC Spigot  
 NSF® Certified Lead Free

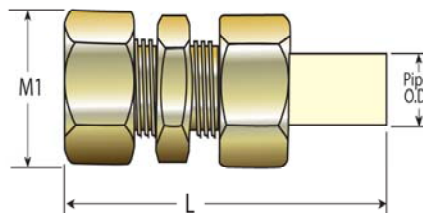


| Part Number | Size | L      | M   | N    | Approx. Wt.<br>(Lbs.) |
|-------------|------|--------|-----|------|-----------------------|
| TCA-005     | 1/2  | 1-1/2  | 5/8 | 9/32 | .01                   |
| TCA-007     | 3/4  | 2-3/32 | 7/8 | 3/8  | .02                   |



**Transition Union - Brass  
 Compression**

Brass Compression x CPVC Spigot  
 NSF® Certified Lead Free



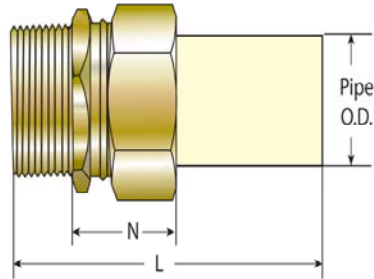
| Part Number | Size | L       | M1     | Approx. Wt.<br>(Lbs.) |
|-------------|------|---------|--------|-----------------------|
| TUC-005     | 1/2  | 2-21/32 | 1      | .15                   |
| TUC-007     | 3/4  | 3-5/16  | 1-7/16 | .34                   |



CTS CPVC Technical  
**CTS Product Dimensions**

**Transition Union - Brass Male Thread**

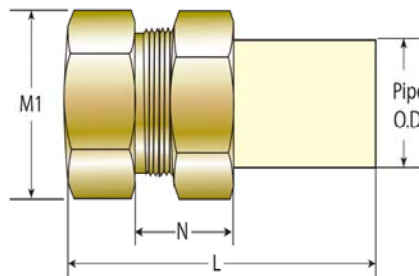
Brass Mipt x CPVC Spigot  
NSF® Certified Lead Free



| Part Number | Size | L       | N      | Approx. Wt. (Lbs.) |
|-------------|------|---------|--------|--------------------|
| TUM-005     | 1/2  | 2-7/16  | 1      | .12                |
| TUM-007     | 3/4  | 2-31/32 | 1-7/16 | .22                |

**Transition Union - Brass Female Thread**

Brass Fipt x CPVC Spigot  
NSF® Certified Lead Free

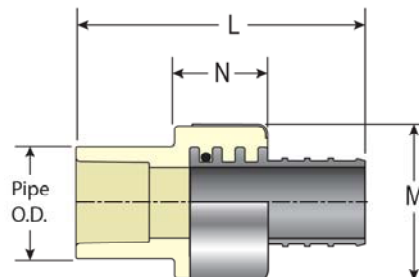


| Part Number | Size | L     | M1      | N     | Approx. Wt. (Lbs.) |
|-------------|------|-------|---------|-------|--------------------|
| TUF-005     | 1/2  | 2-3/8 | 1-1/8   | 7/8   | .15                |
| TUF-007     | 3/4  | 3     | 1-13/32 | 29/32 | .29                |



**CPVC-PEX Transition Spigot Adapters**

Spigot x PEX Barb - Crimp Style  
NSF® Certified Lead Free



| Part Number | Size      | L       | M      | N     | Approx. Wt. (Lbs.) |
|-------------|-----------|---------|--------|-------|--------------------|
| TPC-005     | 1/2       | 1-31/32 | 1      | 23/32 | .06                |
| TPC-007     | 3/4 (1/2) | 2-1/4   | 1-7/32 | 13/16 | .12                |

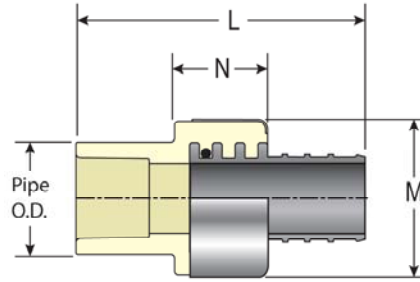
CTS CPVC Technical  
**CTS Product Dimensions**



**CPVC-PEX Transition Spigot Adapters**

Spigot x PEX Barb - Crimp Style  
 NSF® Certified Lead Free

(Continued)

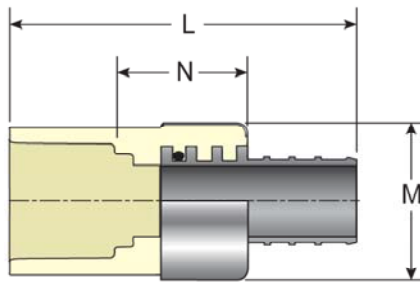


| Part Number | Size    | L      | M      | N   | Approx. Wt. (Lbs.) |
|-------------|---------|--------|--------|-----|--------------------|
| TPC-010     | 1 (3/4) | 2-9/32 | 1-7/16 | 1/2 | .11                |

ASTM F1807 Standard PEX Connector, Stainless Steel

**CPVC-PEX Transition Socket Adapters**

Socket x PEX Barb - Crimp Style  
 NSF® Certified Lead Free

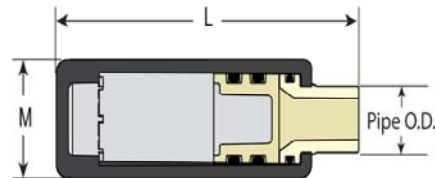


| Part Number | Size      | L      | M      | N     | Approx. Wt. (Lbs.) |
|-------------|-----------|--------|--------|-------|--------------------|
| TPC-005-S   | 1/2 (3/4) | 2-1/8  | 1      | 29/32 | .07                |
| TPC-007-S   | 3/4 (1)   | 2-3/8  | 1-7/32 | 31/32 | .10                |
| TPC-010-S   | 1 (1-1/4) | 2-9/32 | 1-7/16 | 19/32 | .11                |

ASTM F1807 Standard PEX Connector, Stainless Steel

**Water Hammer Arrestor**

Spigot  
 NSF® Certified Lead Free



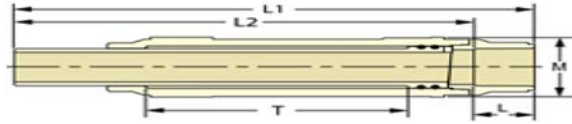
| Part Number | Size | L     | M     | Approx. Wt. (Lbs.) |
|-------------|------|-------|-------|--------------------|
| WHA-005     | 1/2  | 3-7/8 | 1-1/8 | .07                |



CTS CPVC Technical  
**CTS Product Dimensions**

**Expansion Joint/Repair  
Couplings - Spigot x Socket**

CPVC With EPDM O-Rings  
NSF® Certified Lead Free

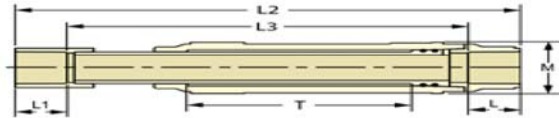


| Part Number | Size | L     | L1      | L2      | M       | T       | Approx. Wt. (Lbs.) |
|-------------|------|-------|---------|---------|---------|---------|--------------------|
| CTS118-07   | 3/4  | 23/32 | 6-13/32 | 5-11/16 | 1-7/16  | 3-29/32 | .25                |
| CTS118-10   | 1    | 29/32 | 7-13/16 | 6-29/32 | 1-13/16 | 3-29/32 | .46                |

Unit Must Be Thrust Blocked. T = Repair Coupling Travel

**Expansion Joint/Repair  
Couplings - Socket x Socket**

CPVC With EPDM O-Rings  
NSF® Certified Lead Free

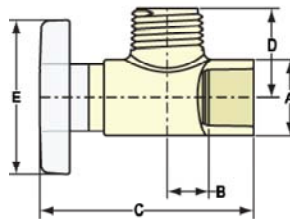


| Part Number | Size | L     | L1    | L2      | L3    | M       | T       | Approx. Wt. (Lbs.) |
|-------------|------|-------|-------|---------|-------|---------|---------|--------------------|
| CTS119-07   | 3/4  | 23/32 | 23/32 | 7-3/16  | 5-3/4 | 1-7/16  | 2-17/32 | .28                |
| CTS119-10   | 1    | 29/32 | 29/32 | 8-27/32 | 7     | 1-13/16 | 3-29/32 | .51                |

Unit Must Be Thrust Blocked. T = Repair Coupling Travel

**Quarter Turn Angle Supply  
Stop**

Socket x NPT  
100 psi @ 180°F (82°C) Male Thread for  
Connection to Flexible Supply Line having 1/2"  
Female NPT Thread Inlet - NSF® Certified Lead  
Free

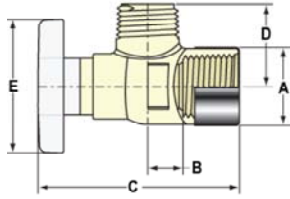


| Part Number  | Size    | A     | B    | C       | D     | E      | Approx. Wt. (Lbs.) |
|--------------|---------|-------|------|---------|-------|--------|--------------------|
| 7722-005     | 1/2     | 7/8   | 7/16 | 2-13/16 | 1     | 2-1/16 | .07                |
| CSV-0500-12T | 1/2X1/2 | 27/32 | 9/16 | 2-5/32  | 1-1/4 | 2-1/16 | .07                |

## Quarter Turn Angle Supply Stop

SR Fipt x NPT

100 psi @ 180°F (82°C) Male Thread for Connection to Flexible Supply Line having 1/2" Female NPT Thread Inlet - NSF® Certified Lead Free

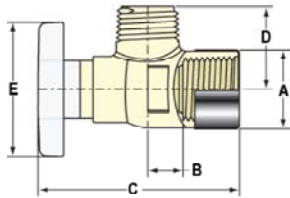


| Part Number | Size | A      | B    | C     | D      | E      | Approx. Wt. (Lbs.) |
|-------------|------|--------|------|-------|--------|--------|--------------------|
| 7721-005SR  | 1/2  | 1-1/32 | 7/16 | 2-5/8 | 1-1/16 | 2-1/16 | .11                |

## Quarter Turn Angle Supply Stop

SR Fipt x Compression Thread

100 psi @ 180°F (82°C) Male Thread for Connection to Flexible Supply Line having Female 3/8" Compression Thread Inlet - NSF® Certified Lead Free

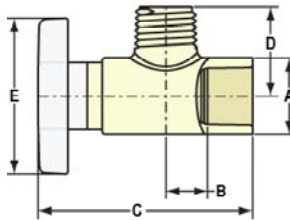


| Part Number | Size    | A       | B    | C      | D     | E      | Approx. Wt. (Lbs.) |
|-------------|---------|---------|------|--------|-------|--------|--------------------|
| 7721-073SR  | 1/2X3/8 | 1- 1/32 | 7/16 | 2- 5/8 | 31/32 | 2-1/16 | .07                |

## Quarter Turn Angle Supply Stop

Socket x Compression Thread

100 psi @ 180°F (82°C) Male Thread for Connection to Flexible Supply Line having 1/4", 3/8" or 1/2" Female Compression Thread Inlet - NSF® Certified Lead Free



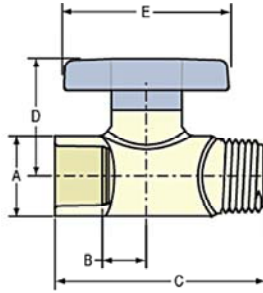
| Part Number | Size    | A     | B    | C       | D   | E      | Approx. Wt. (Lbs.) |
|-------------|---------|-------|------|---------|-----|--------|--------------------|
| 7722CM-072  | 1/2X1/4 | 27/32 | 7/16 | 2-13/32 | 1   | 2-1/16 | .07                |
| 7722-073    | 1/2X3/8 | 7/8   | 7/16 | 2-3/8   | 7/8 | 2-1/16 | .07                |
| 7722CM-005  | 1/2     | 7/8   | 7/16 | 2-13/32 | 1   | 2-1/16 | .07                |



CTS CPVC Technical  
**CTS Product Dimensions**

### Quarter Turn Straight Supply Stop

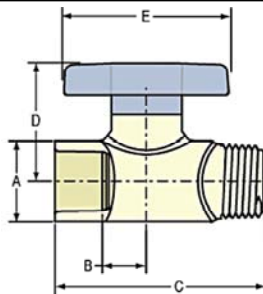
Socket x Compression Thread  
100 psi @ 180°F (82°C) Male Thread for Connection to Flexible Supply Line having Female 3/8" or 1/2" Compression Thread Inlet - NSF® Certified Lead Free



| Part Number | Size    | A     | B     | C       | D       | E      | Approx. Wt. (Lbs.) |
|-------------|---------|-------|-------|---------|---------|--------|--------------------|
| 7422CM-073  | 1/2X3/8 | 27/32 | 13/32 | 1-13/16 | 1-13/32 | 2-1/16 | .07                |
| 7422CM-005  | 1/2     | 27/32 | 9/16  | 2-5/32  | 1-1/4   | 2-1/16 | .07                |

### Quarter Turn Straight Supply Stop

Socket x NPT  
100 psi @ 180°F (82°C) Male Thread for Connection to Flexible Supply Line having Female 1/2" NPT Thread Inlet - NSF® Certified Lead Free

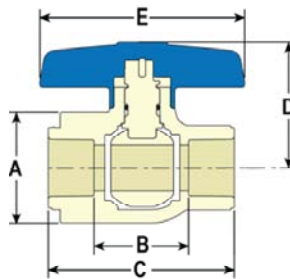


| Part Number | Size | A     | B    | C      | D     | E      | Approx. Wt. (Lbs.) |
|-------------|------|-------|------|--------|-------|--------|--------------------|
| 7422-005    | 1/2  | 27/32 | 9/16 | 2-5/32 | 1-1/4 | 2-1/16 | .07                |



### Ball Valve - Commercial CTS

Socket with EPDM O-ring Seal  
100 psi Maximum Internal Pressure @ 180°F (82°C) NSF® Certified Lead Free



| Part Number | Size | A       | B      | C       | D       | E       | Cv Values | Approx. Wt. (Lbs.) |
|-------------|------|---------|--------|---------|---------|---------|-----------|--------------------|
| 1922-005    | 1/2  | 1-7/16  | 1-3/16 | 2-5/8   | 1-11/16 | 2-23/32 | 37        | .16                |
| 1922-007    | 3/4  | 1-25/32 | 1-7/16 | 2-29/32 | 2-1/32  | 3-7/32  | 84        | .25                |

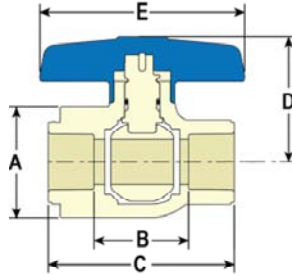
**CTS CPVC Technical**  
**CTS Product Dimensions**



### Ball Valve - Commercial CTS

(Continued)

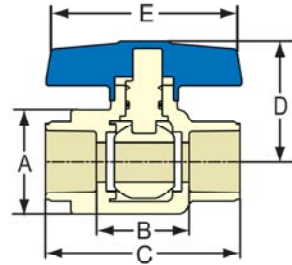
Socket with EPDM O-ring Seal  
 100 psi Maximum Internal Pressure @ 180°F  
 (82°C) NSF® Certified Lead Free



| Part Number | Size  | A       | B       | C       | D       | E       | Cv Values | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|---------|---------|---------|-----------|--------------------|
| 1922-010    | 1     | 2-1/16  | 1-19/32 | 3-7/16  | 2-3/8   | 3-1/2   | 151       | .37                |
| 1922-012    | 1-1/4 | 2-9/16  | 1-15/16 | 3-13/16 | 2-13/16 | 3-3/4   | 229       | .66                |
| 1922-015    | 1-1/2 | 2-15/16 | 2-7/16  | 4-5/8   | 3-1/8   | 4-1/4   | 330       | .97                |
| 1922-020    | 2     | 3-9/16  | 2-25/32 | 5-1/8   | 3-27/32 | 4-31/32 | 598       | 1.44               |

### Ball Valve - Residential CTS

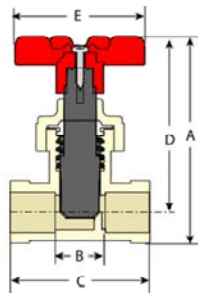
Socket x Socket  
 100 psi Maximum Internal Pressure @ 180°F  
 (82°C) NSF® Certified Lead Free



| Part Number | Size  | A       | B       | C       | D       | E       | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|---------|---------|---------|--------------------|
| 1922R-005   | 1/2   | 1-1/8   | 1       | 2-1/16  | 1-9/32  | 2       | .09                |
| 1922R-007   | 3/4   | 1-1/2   | 1-11/32 | 2-25/32 | 1-23/32 | 2-23/32 | .17                |
| 1922R-010   | 1     | 1-13/16 | 1-9/16  | 3-13/32 | 2-11/32 | 3-1/2   | .28                |
| 1922R-012   | 1-1/4 | 1-29/32 | 1-9/16  | 3-25/32 | 2-3/8   | 3-1/2   | .32                |
| 1922R-015   | 1-1/2 | 2-7/16  | 1-7/8   | 4-1/2   | 2-13/16 | 3-3/4   | .55                |
| 1922R-020   | 2     | 2-7/8   | 2-11/32 | 5-25/32 | 3-1/8   | 4-1/4   | .90                |

### Stop Valve - Red Handle

Socket x Socket  
 NSF® Certified Lead Free



| Part Number | Size | A     | B | C      | D     | E     | Approx. Wt. (Lbs.) |
|-------------|------|-------|---|--------|-------|-------|--------------------|
| 8422-005    | 1/2  | 3-1/4 | 1 | 2-5/32 | 2-3/4 | 2-1/8 | .12                |
| 8422-007    | 3/4  | 3-3/8 | 1 | 2-1/2  | 2-3/4 | 2-1/8 | .15                |

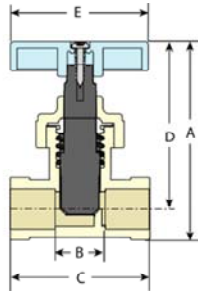


CTS CPVC Technical  
**CTS Product Dimensions**

### Stop Valve - Clear Handle

Socket x Socket

NSF® Certified Lead Free

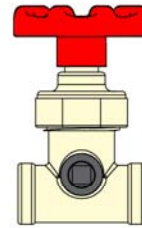
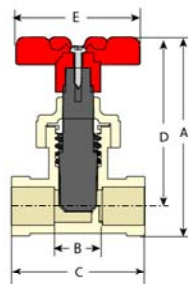


| Part Number | Size | A       | B | C      | D       | E      | Approx. Wt. (Lbs.) |
|-------------|------|---------|---|--------|---------|--------|--------------------|
| 8422CH-005  | 1/2  | 2-15/16 | 1 | 2-5/32 | 2-1/2   | 2-1/16 | .12                |
| 8422CH-007  | 3/4  | 3-3/32  | 1 | 2-1/2  | 2-15/32 | 2-1/16 | .15                |

### Stop & Waste Valve

Socket x Socket

NSF® Certified Lead Free

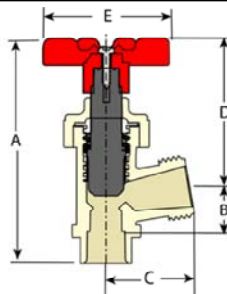


| Part Number | Size | A       | B     | C     | D       | E     | Approx. Wt. (Lbs.) |
|-------------|------|---------|-------|-------|---------|-------|--------------------|
| 8422W-005   | 1/2  | 3-7/32  | 13/16 | 1-7/8 | 2-3/4   | 2-1/8 | .19                |
| 8422W-007   | 3/4  | 3-13/32 | 1     | 2-1/2 | 2-25/32 | 2-1/8 | .20                |

### Boiler Drain Valve

Socket x MHT

NSF® Certified Lead Free



| Part Number | Size | A       | B   | C      | D      | E     | Approx. Wt. (Lbs.) |
|-------------|------|---------|-----|--------|--------|-------|--------------------|
| 82MH-005    | 1/2  | 3-23/32 | 3/4 | 1-7/16 | 2-7/16 | 2-1/8 | .13                |
| 82MH-007    | 3/4  | 3-7/8   | 3/4 | 1-7/16 | 2-7/16 | 2-1/8 | .16                |



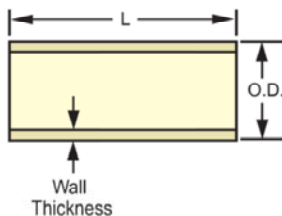
CTS CPVC Technical  
**CTS Product Dimensions**



**Pipe - CPVC CTS SDR 11**

10' Lengths

NSF® Certified Lead Free

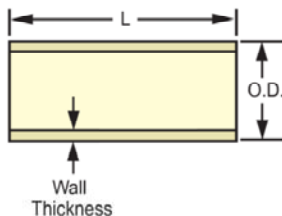


| Part Number | Size  | L  | AVG.O.D. | Minimum Wall | Approx. Wt. (Lbs./Ft) |
|-------------|-------|----|----------|--------------|-----------------------|
| CTS-005     | 1/2   | 10 | .625     | .060         | .07                   |
| CTS-007     | 3/4   | 10 | .875     | .080         | .14                   |
| CTS-010     | 1     | 10 | 1.125    | .102         | .24                   |
| CTS-012     | 1-1/4 | 10 | 1.375    | .125         | .34                   |
| CTS-015     | 1-1/2 | 10 | 1.625    | .148         | .50                   |
| CTS-020     | 2     | 10 | 2.125    | .193         | .71                   |

**Pipe - CPVC CTS SDR 11**

20' Lengths

NSF® Certified Lead Free



| Part Number | Size  | L  | AVG.O.D. | Minimum Wall | Approx. Wt. (Lbs./Ft) |
|-------------|-------|----|----------|--------------|-----------------------|
| CTS-005-20  | 1/2   | 20 | .625     | .060         | .07                   |
| CTS-007-20  | 3/4   | 20 | .875     | .080         | .14                   |
| CTS-010-20  | 1     | 20 | 1.125    | .102         | .24                   |
| CTS-012-20  | 1-1/4 | 20 | 1.375    | .125         | .34                   |
| CTS-015-20  | 1-1/2 | 20 | 1.625    | .148         | .50                   |
| CTS-020-20  | 2     | 20 | 2.125    | .193         | .71                   |

