



A

Compress-Align® Fittings

| MATERIALS OF CONSTRUCTION | |
|---------------------------|-------|
| FITTINGS: | BRASS |
| NUTS: | BRASS |

| NOMENCLATURE | |
|--------------------|-----------------|
| EXAMPLE: 269CA-6-4 | ATTRIBUTE: |
| 1 (NOT SHOWN) | FORGING (1) |
| 2 | EXTRUSION |
| 69 | MALE ELBOW |
| CA | COMPRESS-ALIGN |
| 6 | 3/8 TUBE O.D. |
| 4 | 1/4 PIPE THREAD |

| PRESSURE RANGE | | |
|----------------|-----------------|-----------------|
| PSI | TUBE O.D. (IN.) | TUBE WALL (IN.) |
| 2800 | 1/8 | .030 |
| 1900 | 3/16 | .030 |
| 1400 | 1/4 | .030 |
| 1200 | 5/16 | .032 |
| 1000 | 3/8 | .032 |
| 750 | 1/2 | .032 |
| 650 | 5/8 | .035 |
| 550 | 3/4 | .035 |
| 450 | 7/8 | .035 |
| 350 | 1 | .035 |

| APPLICABLE TUBE | |
|-----------------|---|
| TUBE MATERIAL: | COPPER, ALUMINUM, TFE, FEA, PFA, THERMOPLASTIC TUBING |
| TUBE O.D.: | 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 1 |

| SPECIFICATIONS | |
|---------------------|---|
| OPERATING FLUID: | WATER, AIR, INERT AND NON-COMBUSTIBLE GASSES COMPATIBLE WITH MATERIALS OF CONSTRUCTION |
| TEMPERATURE RANGES: | FROM -65° TO +250°F. |
| NOTE: | FOR OTHER TYPES OF FLUIDS OR GASSES, PLEASE CONSULT FACTORY |



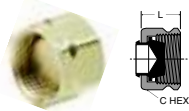
No flaring, soldering or other preparation of tubing is necessary. Preassembled fitting, with captive sleeve. Sleeve is always oriented for correct installation, visible for inspection before and after installation.

Assembly Instructions

With nut finger tight on fitting body, insert tubing until it bottoms in the fitting. Complete the seal with one wrench turn on all sizes.



Plug 59CA



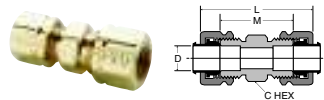
| PART NO. | TUBE SIZE | STRAIGHT THREAD | C HEX | L |
|----------|-----------|-----------------|-------|-----|
| 59CA-4 | 1/4 | 7/16-24 | 1/2 | .40 |
| 59CA-6 | 3/8 | 9/16-24 | 5/8 | .45 |
| 59CA-8 | 1/2 | 11/16-20 | 13/16 | .50 |

Nut and Sleeve Assembly 61CA



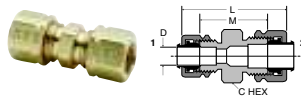
| PART NO. | TUBE SIZE | STRAIGHT THREAD | C HEX | D | L |
|----------|-----------|-----------------|--------|-------|-----|
| 61CA-2 | 1/8 | 5/16-24 | 3/8 | .130 | .36 |
| 61CA-3 | 3/16 | 3/8-24 | 7/16 | .194 | .38 |
| 61CA-4 | 1/4 | 7/16-24 | 1/2 | .255 | .40 |
| 61CA-5 | 5/16 | 1/2-24 | 9/16 | .318 | .45 |
| 61CA-6 | 3/8 | 9/16-24 | 5/8 | .382 | .45 |
| 61CA-8 | 1/2 | 11/16-20 | 13/16 | .507 | .50 |
| 61CA-10 | 5/8 | 13/16-18 | 15/16 | .632 | .53 |
| 61CA-12 | 3/4 | 1-18 | 1-3/16 | .760 | .56 |
| 61CA-14 | 7/8 | 1-1/8-18 | 1-3/8 | .885 | .68 |
| 61CA-16 | 1 | 1-1/4-18 | 1-1/2 | 1.012 | .63 |

Union 62CA



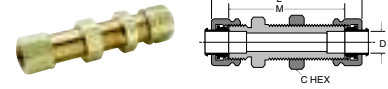
| PART NO. | SIZE | STRAIGHT THREAD | C HEX | L | M | FLOW DIA. D |
|----------|------|-----------------|-------|------|------|-------------|
| 62CA-2 | 1/8 | 5/16-24 | 5/16 | 1.12 | .64 | .094 |
| 62CA-3 | 3/16 | 3/8-24 | 3/8 | 1.19 | .72 | .125 |
| 62CA-4 | 1/4 | 7/16-24 | 7/16 | 1.26 | .79 | .188 |
| 62CA-5 | 5/16 | 1/2-24 | 1/2 | 1.32 | .85 | .250 |
| 62CA-6 | 3/8 | 9/16-24 | 9/16 | 1.42 | .97 | .312 |
| 62CA-8 | 1/2 | 11/16-20 | 11/16 | 1.53 | 1.08 | .406 |
| 62CA-10 | 5/8 | 13/16-18 | 13/16 | 1.71 | 1.23 | .500 |
| 62CA-12 | 3/4 | 1-18 | 1 | 2.20 | 1.41 | .562 |
| 62CA-14 | 7/8 | 1-1/8-18 | 1-1/8 | 2.08 | 1.19 | .766 |

Union Reducers 62CA



| PART NO. | 1 TUBE SIZE | 2 TUBE SIZE | 1 STRAIGHT THREAD | 2 STRAIGHT THREAD | C HEX | L | M | FLOW DIA. D |
|-----------|-------------|-------------|-------------------|-------------------|-------|------|------|-------------|
| 62CA-4-3 | 3/16 | 1/4 | 3/8-24 | 7/16-24 | 7/16 | 1.25 | .78 | .125 |
| 62CA-6-4 | 1/4 | 3/8 | 7/16-24 | 9/16-24 | 9/16 | 1.37 | .91 | .188 |
| 62CA-8-6 | 3/8 | 1/2 | 9/16-24 | 11/16-20 | 11/16 | 1.48 | 1.03 | .312 |
| 62CA-10-6 | 3/8 | 5/8 | 9/16-24 | 13/16-18 | 13/16 | 1.59 | 1.13 | .312 |

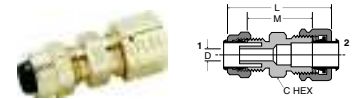
Bulkhead Union 62CABH



| PART NO. | TUBE SIZE | STRAIGHT THREAD | C HEX | L | M | BULKHEAD HOLE DIA. | FLOW DIA. D |
|----------|-----------|-----------------|-------|------|------|--------------------|-------------|
| 62CABH-4 | 1/4 | 7/16-24 | 9/16 | 2.22 | 1.75 | 7/16 | .188 |
| 62CABH-6 | 3/8 | 9/16-24 | 11/16 | 2.32 | 1.88 | 9/16 | .312 |

Union 62PCA

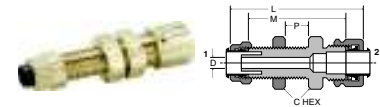
(Poly-Tite to Compress-Align)



| PART NO. | TUBE SIZE | 1 STRAIGHT THREAD | 2 STRAIGHT THREAD | C HEX | L | M | FLOW DIA. D |
|----------|-----------|-------------------|-------------------|-------|------|-----|-------------|
| 62PCA-4 | 1/4 | 3/8-24 | 7/16-24 | 7/16 | 1.24 | .89 | .125 |
| 62PCA-5 | 5/16 | 7/16-24 | 1/2-24 | 1/2 | 1.26 | .92 | .144 |
| 62PCA-6 | 3/8 | 1/2-24 | 9/16-24 | 9/16 | 1.32 | .98 | .204 |

Bulkhead Union 62PCABH

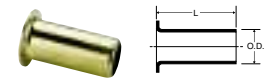
(Poly-Tite to Compress-Align)



| PART NO. | TUBE SIZE | 1 STR THD | 2 STR THD | C HEX | P MAX | L | M | FLOW BKHD DIA. | FLOW DIA. D |
|-----------|-----------|-----------|-----------|-------|-------|------|------|----------------|-------------|
| 62PCABH-4 | 1/4 | 3/8-24 | 7/16-24 | 9/16 | .38 | 1.80 | 1.45 | 3/8 | .125 |
| 62PCABH-6 | 3/8 | 1/2-24 | 9/16-24 | 11/16 | .47 | 1.98 | 1.64 | 1/2 | .204 |

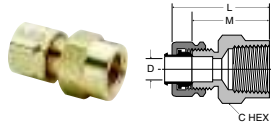
Brass Insert 63PT

(For industrial grade plastic tubing)



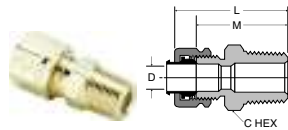
| PART NO. | TUBE SIZE | TUBE WALL | L | O.D. |
|------------|-----------|-----------|-----|------|
| 63PT-2-16 | 1/8 | .016 | .46 | .080 |
| 63PT-2-23 | 1/8 | .023 | .45 | .073 |
| 63PT-2-32 | 1/8 | .032 | .31 | .061 |
| 63PT-3-25 | 3/16 | .025 | .45 | .135 |
| 63PT-3-40 | 3/16 | .040 | .52 | .095 |
| 63PT-4-40 | 1/4 | .040 | .50 | .163 |
| 63PT-4-62 | 1/4 | .062 | .33 | .110 |
| 63PT-5-40 | 5/16 | .040 | .50 | .232 |
| 63PT-5-62 | 5/16 | .062 | .53 | .187 |
| 63PT-6-62 | 3/8 | .062 | .56 | .250 |
| 63PT-8-62 | 1/2 | .062 | .72 | .370 |
| 63PT-10-62 | 5/8 | .062 | .72 | .483 |

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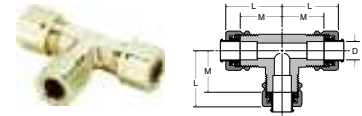
Female Connector 66CA

| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | C HEX | L | M | FLOW DIA. D |
|-----------|-----------|-------------|-----------------|-------|------|------|-------------|
| 66CA-2-2 | 1/8 | 1/8 | 5/16-24 | 9/16 | .99 | .75 | .094 |
| 66CA-3-2 | 3/16 | 1/8 | 3/8-24 | 9/16 | 1.01 | .78 | .125 |
| 66CA-3-4 | 3/16 | 1/4 | 3/8-24 | 11/16 | 1.19 | .96 | .125 |
| 66CA-4-2 | 1/4 | 1/8 | 7/16-24 | 9/16 | 1.02 | .78 | .188 |
| 66CA-4-4 | 1/4 | 1/4 | 7/16-24 | 11/16 | 1.24 | 1.00 | .188 |
| 66CA-5-2 | 5/16 | 1/8 | 1/2-24 | 9/16 | 1.05 | .81 | .250 |
| 66CA-5-4 | 5/16 | 1/4 | 1/2-24 | 11/16 | 1.27 | 1.03 | .250 |
| 66CA-6-2 | 3/8 | 1/8 | 9/16-24 | 9/16 | 1.00 | .78 | .312 |
| 66CA-6-4 | 3/8 | 1/4 | 9/16-24 | 11/16 | 1.28 | 1.06 | .312 |
| 66CA-6-6 | 3/8 | 3/8 | 9/16-24 | 13/16 | 1.29 | 1.06 | .312 |
| 66CA-6-8 | 3/8 | 1/2 | 9/16-24 | 1 | 1.49 | 1.27 | .312 |
| 66CA-8-4 | 1/2 | 1/4 | 11/16-20 | 11/16 | 1.32 | 1.09 | .406 |
| 66CA-8-6 | 1/2 | 3/8 | 11/16-20 | 13/16 | 1.35 | 1.12 | .406 |
| 66CA-8-8 | 1/2 | 1/2 | 11/16-20 | 1 | 1.54 | 1.31 | .406 |
| 66CA-10-8 | 5/8 | 1/2 | 13/16-18 | 1 | 1.62 | 1.38 | .500 |



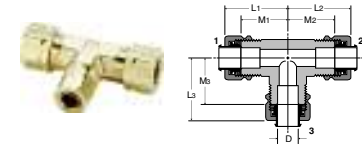
Male Connector 68CA

| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | C HEX | L | M | FLOW DIA. D |
|------------|-----------|-------------|-----------------|--------|------|------|-------------|
| 68CA-2-1 | 1/8 | 1/16 | 5/16-24 | 11/32 | 1.02 | .78 | .095 |
| 68CA-2-2 | 1/8 | 1/8 | 5/16-24 | 7/16 | 1.01 | .77 | .094 |
| 68CA-3-1 | 3/16 | 1/16 | 3/8-24 | 3/8 | 1.07 | .84 | .125 |
| 68CA-3-2 | 3/16 | 1/8 | 3/8-24 | 7/16 | 1.07 | .84 | .125 |
| 68CA-3-4 | 3/16 | 1/4 | 3/8-24 | 9/16 | 1.26 | 1.03 | .125 |
| 68CA-4-2 | 1/4 | 1/8 | 7/16-24 | 7/16 | 1.10 | .86 | .188 |
| 68CA-4-4 | 1/4 | 1/4 | 7/16-24 | 9/16 | 1.31 | 1.06 | .188 |
| 68CA-4-6 | 1/4 | 3/8 | 7/16-24 | 11/16 | 1.28 | 1.03 | .188 |
| 68CA-4-8 | 1/4 | 1/2 | 7/16-24 | 7/8 | 1.56 | 1.31 | .188 |
| 68CA-5-2 | 5/16 | 1/8 | 1/2-24 | 1/2 | 1.13 | .89 | .234 |
| 68CA-5-4 | 5/16 | 1/4 | 1/2-24 | 9/16 | 1.35 | 1.07 | .250 |
| 68CA-6-2 | 3/8 | 1/8 | 9/16-24 | 9/16 | 1.19 | .97 | .250 |
| 68CA-6-4 | 3/8 | 1/4 | 9/16-24 | 9/16 | 1.36 | 1.14 | .312 |
| 68CA-6-6 | 3/8 | 3/8 | 9/16-24 | 11/16 | 1.43 | 1.16 | .312 |
| 68CA-6-8 | 3/8 | 1/2 | 9/16-24 | 7/8 | 1.52 | 1.25 | .312 |
| 68CA-8-4 | 1/2 | 1/4 | 11/16-20 | 11/16 | 1.45 | 1.22 | .312 |
| 68CA-8-6 | 1/2 | 3/8 | 11/16-20 | 11/16 | 1.43 | 1.20 | .406 |
| 68CA-8-8 | 1/2 | 1/2 | 11/16-20 | 7/8 | 1.54 | 1.31 | .406 |
| 68CA-10-6 | 5/8 | 3/8 | 13/16-18 | 13/16 | 1.55 | 1.31 | .406 |
| 68CA-10-8 | 5/8 | 1/2 | 13/16-18 | 7/8 | 1.72 | 1.48 | .500 |
| 68CA-10-12 | 5/8 | 3/4 | 13/16-18 | 1-1/16 | 1.80 | 1.56 | .500 |
| 68CA-12-8 | 3/4 | 1/2 | 1-18 | 1 | 1.99 | 1.60 | .562 |
| 68CA-12-12 | 3/4 | 3/4 | 1-18 | 1-1/16 | 2.02 | 1.63 | .656 |
| 68CA-14-12 | 7/8 | 3/4 | 1-1/8-18 | 1-1/8 | 1.85 | 1.41 | .750 |
| 68CA-16-12 | 1 | 3/4 | 1-1/4-18 | 1-1/4 | 1.83 | 1.39 | .750 |
| 68CA-16-16 | 1 | 1 | 1-1/4-18 | 1-3/8 | 2.02 | 1.58 | .875 |



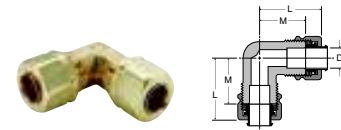
Union Tee 164CA-264CA

| PART NO. | TUBE SIZE | STRAIGHT THREAD | L | M | FLOW DIA. D |
|----------|-----------|-----------------|------|------|-------------|
| 164CA-2 | 1/8 | 5/16-24 | .84 | .61 | .093 |
| 264CA-3 | 3/16 | 3/8-24 | .83 | .60 | .125 |
| 164CA-4 | 1/4 | 7/16-24 | .84 | .63 | .188 |
| 264CA-4 | 1/4 | 7/16-24 | .84 | .60 | .188 |
| 164CA-5 | 5/16 | 1/2-24 | .95 | .71 | .250 |
| 164CA-6 | 3/8 | 9/16-24 | .96 | .74 | .312 |
| 164CA-8 | 1/2 | 11/16-20 | 1.15 | .93 | .406 |
| 164CA-10 | 5/8 | 13/16-18 | 1.32 | 1.08 | .500 |
| 164CA-12 | 3/4 | 1.00-18 | 1.56 | 1.17 | .562 |



Union Tee 164CA combination sizes

| PART NO. | 1 TUBE SIZE | 2 TUBE SIZE | 3 TUBE SIZE | L1 | L2 | L3 | M1 | M2 | M3 | FLOW DIA. D |
|-------------|-------------|-------------|-------------|------|------|------|-----|-----|-----|-------------|
| 164CA-6-4-4 | 3/8 | 1/4 | 1/4 | .97 | .96 | .96 | .75 | .72 | .72 | .188 |
| 164CA-6-6-4 | 3/8 | 3/8 | 1/4 | .97 | .97 | .96 | .75 | .75 | .72 | .188 |
| 164CA-8-8-6 | 1/2 | 1/2 | 3/8 | 1.17 | 1.17 | 1.10 | .94 | .94 | .88 | .312 |

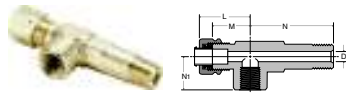


Union Elbow 165CA-265CA

| PART NO. | TUBE SIZE | STRAIGHT THREAD | L | M | FLOW DIA. D |
|----------|-----------|-----------------|------|------|-------------|
| 165CA-2 | 1/8 | 5/16-24 | .84 | .61 | .094 |
| 165CA-3 | 3/16 | 3/8-24 | .84 | .61 | .125 |
| 165CA-4 | 1/4 | 7/16-24 | .84 | .61 | .188 |
| 265CA-4 | 1/4 | 7/16-24 | .84 | .60 | .188 |
| 165CA-5 | 5/16 | 1/2-24 | .94 | .71 | .250 |
| 165CA-6 | 3/8 | 9/16-24 | .96 | .74 | .312 |
| 165CA-8 | 1/2 | 11/16-20 | 1.15 | .93 | .406 |
| 165CA-10 | 5/8 | 13/16-18 | 1.29 | 1.05 | .500 |
| 165CA-12 | 3/4 | 1-18 | 1.56 | 1.17 | .562 |
| 165CA-16 | 1 | 1-1/4-18 | 1.63 | 1.19 | .877 |

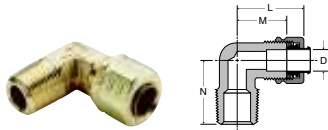


Gage Tee 168CA



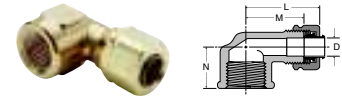
| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | L | M | N | N1 | FLOW DIA. D |
|-----------|-----------|-------------|-----------------|-----|-----|------|-----|-------------|
| 168CA-4-2 | 1/4 | 1/8 | 7/16-24 | .96 | .72 | 1.41 | .56 | .188 |

Male Elbow 169CA-269CA



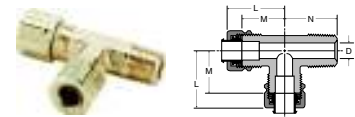
| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | L | M | N | FLOW DIA. D |
|-------------|-----------|-------------|-----------------|------|------|------|-------------|
| 169CA-2-1 | 1/8 | 1/16 | 5/16-24 | .84 | .60 | .67 | .095 |
| 269CA-2-2 | 1/8 | 1/8 | 5/16-24 | .84 | .60 | .67 | .094 |
| 169CA-3-1 | 3/16 | 1/16 | 3/8-24 | .84 | .61 | .67 | .126 |
| 169CA-3-2 | 3/16 | 1/8 | 3/8-24 | .84 | .61 | .69 | .125 |
| 269CA-3-2 | 3/16 | 1/8 | 3/8-24 | .83 | .60 | .67 | .125 |
| 169CA-3-4 | 3/16 | 1/4 | 3/8-24 | .87 | .64 | .93 | .125 |
| 169CA-4-2 | 1/4 | 1/8 | 7/16-24 | .84 | .61 | .74 | .188 |
| 269CA-4-2 | 1/4 | 1/8 | 7/16-24 | .84 | .60 | .73 | .188 |
| 169CA-4-4 | 1/4 | 1/4 | 7/16-24 | .86 | .62 | .94 | .188 |
| 269CA-4-4 | 1/4 | 1/4 | 7/16-24 | .84 | .60 | .79 | .188 |
| 169CA-4-6 | 1/4 | 3/8 | 7/16-24 | .92 | .68 | 1.00 | .188 |
| 169CA-5-2 | 5/16 | 1/8 | 1/2-24 | .84 | .61 | .74 | .234 |
| 269CA-5-2 | 5/16 | 1/8 | 1/2-24 | .84 | .60 | .73 | .250 |
| 169CA-5-4 | 5/16 | 1/4 | 1/2-24 | .94 | .71 | .93 | .250 |
| 269CA-5-4 | 5/16 | 1/4 | 1/2-24 | .91 | .67 | .82 | .250 |
| 169CA-5-6 | 5/16 | 3/8 | 1/2-24 | .99 | .75 | 1.00 | .250 |
| 169CA-6-2 | 3/8 | 1/8 | 9/16-24 | .96 | .74 | .74 | .234 |
| 269CA-6-2 | 3/8 | 1/8 | 9/16-24 | .96 | .69 | .75 | .220 |
| 169CA-6-4 | 3/8 | 1/4 | 9/16-24 | .96 | .74 | .93 | .312 |
| 269CA-6-4 | 3/8 | 1/4 | 9/16-24 | .95 | .73 | .92 | .312 |
| 169CA-6-6 | 3/8 | 3/8 | 9/16-24 | .97 | .75 | 1.00 | .312 |
| 269CA-6-6 | 3/8 | 3/8 | 9/16-24 | 1.06 | .84 | .97 | .312 |
| 169CA-6-8 | 3/8 | 1/2 | 9/16-24 | 1.16 | .94 | 1.27 | .312 |
| 169CA-8-4 | 1/2 | 1/4 | 11/16-20 | 1.17 | .94 | 1.00 | .312 |
| 169CA-8-6 | 1/2 | 3/8 | 11/16-20 | 1.15 | .93 | 1.11 | .406 |
| 169CA-8-8 | 1/2 | 1/2 | 11/16-20 | 1.23 | 1.00 | 1.37 | .406 |
| 169CA-10-6 | 5/8 | 3/8 | 13/16-18 | 1.30 | 1.06 | 1.15 | .406 |
| 169CA-10-8 | 5/8 | 1/2 | 13/16-18 | 1.30 | 1.06 | 1.31 | .500 |
| 169CA-12-8 | 3/4 | 1/2 | 1-18 | 1.57 | 1.18 | 1.49 | .562 |
| 169CA-12-12 | 3/4 | 3/4 | 1-18 | 1.66 | 1.27 | 1.58 | .562 |
| 169CA-16-12 | 1 | 3/4 | 1-1/4-18 | 1.63 | 1.19 | 1.60 | .875 |

Female Elbow 170CA-270CA



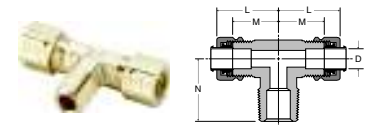
| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | L | M | N | FLOW DIA. D |
|-------------|-----------|-------------|-----------------|------|------|------|-------------|
| 170CA-2-2 | 1/8 | 1/8 | 5/16-24 | .93 | .69 | .56 | .094 |
| 170CA-3-2 | 3/16 | 1/8 | 3/8-24 | .98 | .69 | .56 | .125 |
| 170CA-4-2 | 1/4 | 1/8 | 7/16-24 | .98 | .69 | .56 | .188 |
| 270CA-4-2 | 1/4 | 1/8 | 7/16-24 | .91 | .67 | .54 | .188 |
| 170CA-4-4 | 1/4 | 1/4 | 7/16-24 | 1.02 | .78 | .67 | .188 |
| 170CA-6-4 | 3/8 | 1/4 | 9/16-24 | 1.09 | .79 | .73 | .312 |
| 170CA-6-6 | 3/8 | 3/8 | 9/16-24 | 1.16 | .89 | .69 | .312 |
| 170CA-8-6 | 1/2 | 3/8 | 11/16-20 | 1.23 | 1.00 | .69 | .406 |
| 170CA-8-8 | 1/2 | 1/2 | 11/16-20 | 1.38 | 1.15 | .97 | .408 |
| 170CA-12-12 | 3/4 | 3/4 | 1-18 | 1.97 | 1.58 | 1.58 | .560 |

Male Run Tee 171CA



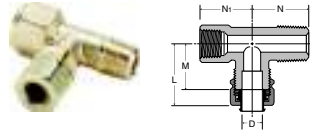
| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | L | M | N | FLOW DIA. D |
|-----------|-----------|-------------|-----------------|------|-----|------|-------------|
| 171CA-2-2 | 1/8 | 1/8 | 5/16-24 | .84 | .61 | .67 | .094 |
| 171CA-3-2 | 3/16 | 1/8 | 3/8-24 | .83 | .61 | .67 | .125 |
| 171CA-4-2 | 1/4 | 1/8 | 7/16-24 | .88 | .64 | .75 | .188 |
| 171CA-4-4 | 1/4 | 1/4 | 7/16-24 | .93 | .69 | .92 | .188 |
| 171CA-6-4 | 3/8 | 1/4 | 9/16-24 | 1.03 | .81 | 1.03 | .312 |

Male Branch Tee 172CA



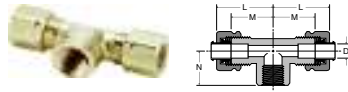
| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | L | M | N | FLOW DIA. D |
|-------------|-----------|-------------|-----------------|------|------|------|-------------|
| 172CA-2-2 | 1/8 | 1/8 | 5/16-24 | .84 | .61 | .67 | .093 |
| 172CA-3-2 | 3/16 | 1/8 | 3/8-24 | .83 | .61 | .67 | .125 |
| 172CA-4-2 | 1/4 | 1/8 | 7/16-24 | .84 | .61 | .74 | .188 |
| 172CA-4-4 | 1/4 | 1/4 | 7/16-24 | .93 | .69 | .92 | .188 |
| 172CA-6-2 | 3/8 | 1/8 | 9/16-24 | .97 | .75 | .75 | .234 |
| 172CA-6-4 | 3/8 | 1/4 | 9/16-24 | .99 | .77 | .92 | .312 |
| 172CA-6-6 | 3/8 | 3/8 | 9/16-24 | 1.03 | .81 | 1.00 | .312 |
| 172CA-8-6 | 1/2 | 3/8 | 11/16-20 | 1.15 | .93 | 1.10 | .406 |
| 172CA-12-12 | 3/4 | 3/4 | 1-18 | 1.67 | 1.27 | 1.50 | .562 |

A



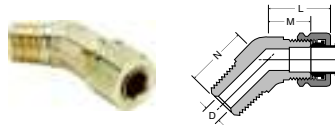
Adapter Tee 176CA

| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | L | M | N | N1 | FLOW DIA. D |
|-----------|-----------|-------------|-----------------|-----|-----|-----|-----|-------------|
| 176CA-4-2 | 1/4 | 1/8 | 7/16-24 | .92 | .69 | .75 | .66 | .188 |



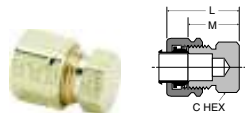
Female Branch Tee 177CA

| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | L | M | N | FLOW DIA. D |
|-----------|-----------|-------------|-----------------|-----|-----|-----|-------------|
| 177CA-4-2 | 1/4 | 1/8 | 7/16-24 | .86 | .63 | .53 | .188 |



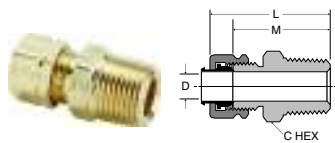
45° Elbow 179CA

| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | L | M | N | FLOW DIA. D |
|-----------|-----------|-------------|-----------------|------|-----|-----|-------------|
| 179CA-4-2 | 1/4 | 1/8 | 7/16-24 | .89 | .66 | .56 | .188 |
| 179CA-4-4 | 1/4 | 1/4 | 7/16-24 | .80 | .56 | .84 | .188 |
| 179CA-6-2 | 3/8 | 1/8 | 9/16-24 | .85 | .63 | .65 | .234 |
| 179CA-6-4 | 3/8 | 1/4 | 9/16-24 | .85 | .63 | .84 | .312 |
| 179CA-6-6 | 3/8 | 3/8 | 9/16-24 | .97 | .75 | .95 | .312 |
| 179CA-8-6 | 1/2 | 3/8 | 11/16-20 | 1.03 | .81 | .95 | .406 |



Seal Plug 639CA

| PART NO. | TUBE SIZE | STRAIGHT THREAD | C HEX | L | M |
|----------|-----------|-----------------|-------|-----|-----|
| 639CA-4 | 1/4 | 7/16-24 | 7/16 | .74 | .50 |



Straight Through Tank Fitting 682CA

| PART NO. | TUBE SIZE | PIPE THREAD | STRAIGHT THREAD | C HEX | L | M | FLOW DIA. D |
|-----------|-----------|-------------|-----------------|-------|------|-----|-------------|
| 682CA-3-2 | 3/16 | 1/8 | 3/8-24 | 7/16 | 1.07 | .84 | .194 |