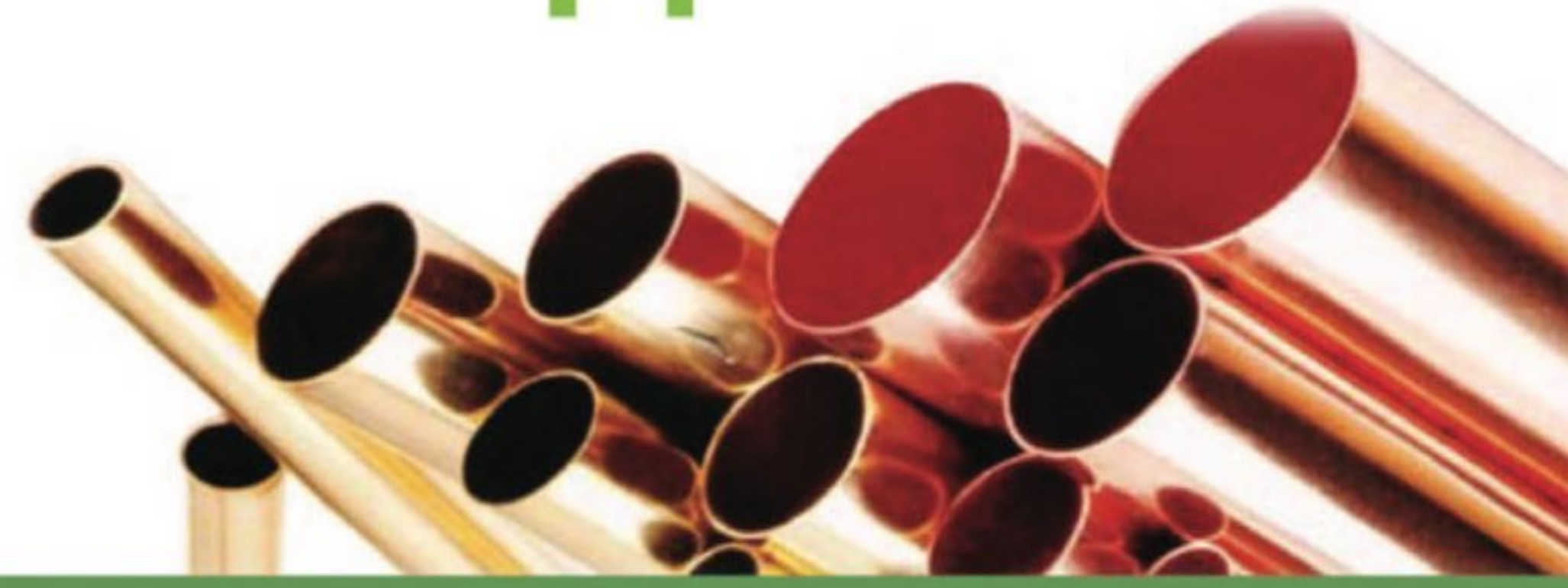


Copper Tube

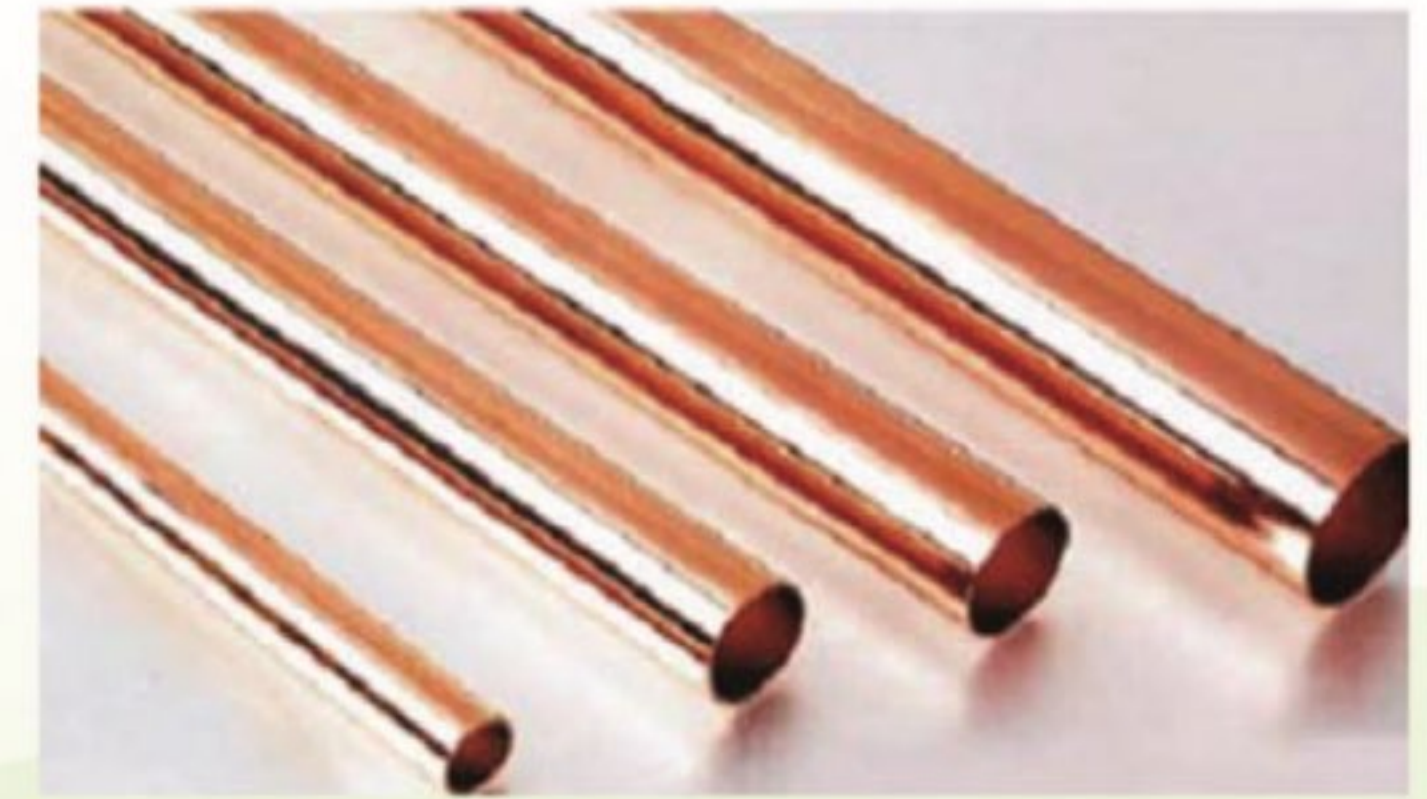


Quality Products approved by TÜV, JIS and KITEMARK under the production operation of ISO 9001.

Copper Tube : ASTM B88

| Outer Diameter | | Type K | | Type L | | Type M | |
|----------------|---------|----------------|------------------|----------------|------------------|----------------|------------------|
| inch | mm | Thickness (mm) | Weight (kg/pcs.) | Thickness (mm) | Weight (kg/pcs.) | Thickness (mm) | Weight (kg/pcs.) |
| 3/8" | 9.520 | 0.890 | 1.290 | 0.762 | 1.08 | - | - |
| 1/2" | 12.700 | 1.240 | 2.387 | 0.889 | 1.71 | 0.635 | 1.287 |
| 5/8" | 15.880 | 1.240 | 3.049 | 1.016 | 2.46 | 0.710 | 1.809 |
| 3/4" | 19.050 | 1.240 | 3.710 | 1.066 | 3.12 | 0.762 | 2.341 |
| 7/8" | 22.230 | 1.650 | 5.704 | 1.143 | 3.90 | 0.812 | 2.921 |
| 1-1/8" | 28.570 | 1.650 | 7.462 | 1.270 | 5.63 | 0.889 | 4.134 |
| 1-3/8" | 34.920 | 1.650 | 9.222 | 1.397 | 7.62 | 1.066 | 6.062 |
| 1-5/8" | 41.270 | 1.828 | 12.112 | 1.524 | 9.81 | 1.244 | 8.365 |
| 2-1/8" | 53.970 | 2.108 | 18.366 | 1.778 | 15.09 | 1.473 | 12.990 |
| 2-5/8" | 66.670 | 2.413 | 26.048 | 2.032 | 21.31 | 1.651 | 18.034 |
| 3-1/8" | 79.370 | 2.768 | 35.621 | 2.286 | 29.60 | 1.828 | 23.813 |
| 3-5/8" | 92.075 | 3.048 | 45.587 | 2.540 | 38.20 | 2.108 | 31.861 |
| 4-1/8" | 104.775 | 3.403 | 57.954 | 2.794 | 47.86 | 2.413 | 41.495 |
| 5-1/8" | 130.175 | 4.060 | 85.900 | 3.175 | 67.75 | 2.770 | 59.200 |

Note : Copper Tube Type L Length 5.8 m.



Pancake Coil



Quality Products approved by TÜV, JIS and KITEMARK under the production operation of ISO 9001.

Pancake Coil : ASTM B280

| Outer Diameter (inch) | Standard Wire Gauges (SWG) No. | | | | | | | |
|-----------------------|--------------------------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|
| | 18 | | 20 | | 22 | | 23 | |
| | Thickness (mm) | Weight (kg/pcs.) | Thickness (mm) | Weight (kg/pcs.) | Thickness (mm) | Weight (kg/pcs.) | Thickness (mm) | Weight (kg/pcs.) |
| 1/4" | 1.220 | 2.628 | 0.910 | 2.079 | 0.710 | 1.681 | 0.610 | 1.470 |
| 3/8" | 1.220 | 4.252 | 0.910 | 3.290 | 0.710 | 2.627 | 0.610 | 2.282 |
| 1/2" | 1.220 | 5.882 | 0.910 | 4.506 | 0.710 | 3.575 | 0.610 | 3.097 |
| 5/8" | 1.220 | 7.511 | 0.910 | 5.721 | 0.710 | 4.523 | 0.610 | 3.912 |
| 3/4" | 1.220 | 9.136 | 0.910 | 6.933 | 0.710 | 5.468 | 0.610 | 4.724 |

| Outer Diameter (inch) | Standard Wire Gauges (SWG) No. | | | | | | | |
|-----------------------|--------------------------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|
| | 24 | | 25 | | 26 | | 27 | |
| | Thickness (mm) | Weight (kg/pcs.) | Thickness (mm) | Weight (kg/pcs.) | Thickness (mm) | Weight (kg/pcs.) | Thickness (mm) | Weight (kg/pcs.) |
| 1/4" | 0.560 | 1.361 | 0.510 | 1.250 | 0.460 | 1.137 | 0.420 | 1.046 |
| 3/8" | 0.560 | 2.107 | 0.510 | 1.929 | 0.460 | 1.750 | 0.420 | 1.605 |
| 1/2" | 0.560 | 2.855 | 0.510 | 2.611 | 0.460 | 2.364 | 0.420 | 2.166 |
| 5/8" | 0.560 | 3.603 | 0.510 | 3.292 | 0.460 | 2.979 | 0.420 | 2.727 |
| 3/4" | 0.560 | 4.348 | 0.510 | 3.971 | 0.460 | 3.591 | 0.420 | 3.286 |


Note : All Type of Pancake Coil Length = 15.00 m.


Copper Fittings



| 90° Elbows | Size (inch) |
|---|-------------|
|  | 3/8" |
| | 1/2" |
| | 5/8" |
| | 3/4" |
| | 7/8" |
| | 1-1/8" |
| | 1-3/8" |
| | 1-5/8" |
| | 2-1/8" |
| | 2-5/8" |


| Reducing Coupling | Size (inch) |
|---|-----------------|
|  | 1/2" x 1/4" |
| | 1/2" x 3/8" |
| | 5/8" x 1/4" |
| | 5/8" x 3/8" |
| | 5/8" x 1/2" |
| | 3/4" x 3/8" |
| | 3/4" x 1/2" |
| | 3/4" x 5/8" |
| | 7/8" x 3/8" |
| | 7/8" x 1/2" |
| | 7/8" x 5/8" |
| | 7/8" x 3/4" |
| | 1-1/8" x 1/2" |
| | 1-1/8" x 5/8" |
| | 1-1/8" x 3/4" |
| | 1-1/8" x 7/8" |
| | 1-3/8" x 1/2" |
| | 1-3/8" x 5/8" |
| | 1-3/8" x 7/8" |
| | 1-3/8" x 1-1/8" |
| | 1-5/8" x 5/8" |
| | 1-5/8" x 7/8" |
| | 1-5/8" x 1-1/8" |
| | 1-5/8" x 1-3/8" |
| | 2-1/8" x 1-1/8" |
| | 2-1/8" x 1-3/8" |
| | 2-1/8" x 1-5/8" |
| | 2-5/8" x 1-1/8" |
| | 2-5/8" x 1-3/8" |
| | 2-5/8" x 1-5/8" |
| | 2-5/8" x 2-1/8" |

| 180° Return Bend | Size (inch) |
|--|-------------|
|  | 3/8" |
| | 1/2" |
| | 5/8" |
| | 3/4" |
| | 7/8" |
| | 1-1/8" |
| | 1-3/8" |
| | 1-5/8" |
| | 2-1/8" |

| 90° Long Radius | Size (inch) |
|--|-------------|
|  | 3/8" |
| | 1/2" |
| | 5/8" |
| | 3/4" |
| | 7/8" |
| | 1-1/8" |
| | 1-3/8" |
| | 1-5/8" |
| | 2-1/8" |
| | 2-5/8" |

| | |
|--|--------|
|  | 3/8" |
| | 1/2" |
| | 5/8" |
| | 3/4" |
| | 7/8" |
| | 1-1/8" |
| | 1-3/8" |
| | 1-5/8" |
| | 2-1/8" |
| | 2-5/8" |

| Coupling | Size (inch) |
|---|-------------|
|  | 3/8" |
| | 1/2" |
| | 5/8" |
| | 3/4" |
| | 7/8" |
| | 1-1/8" |
| | 1-3/8" |
| | 1-5/8" |
| | 2-1/8" |
| | 2-5/8" |

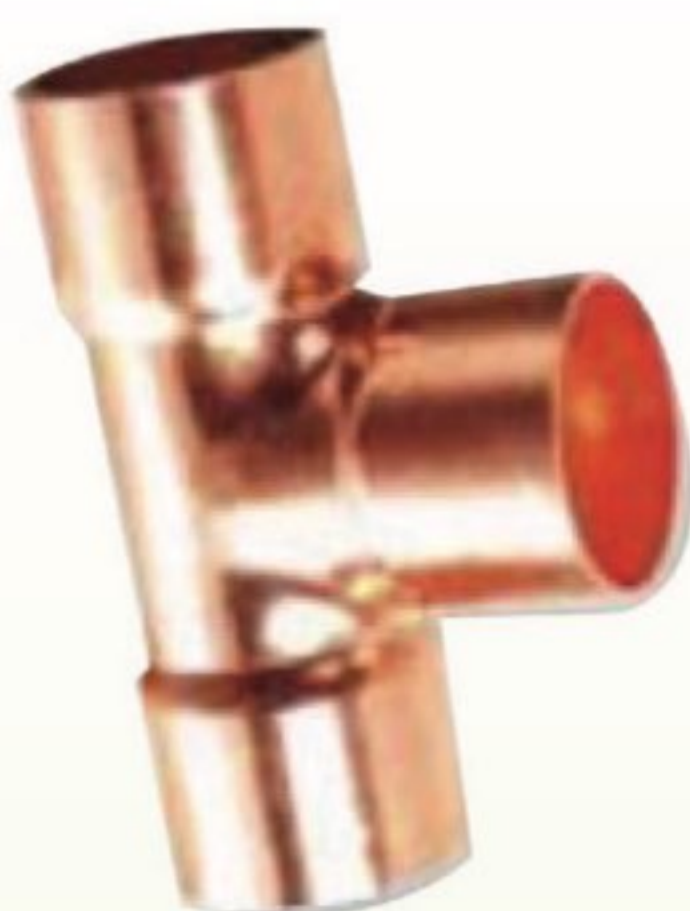
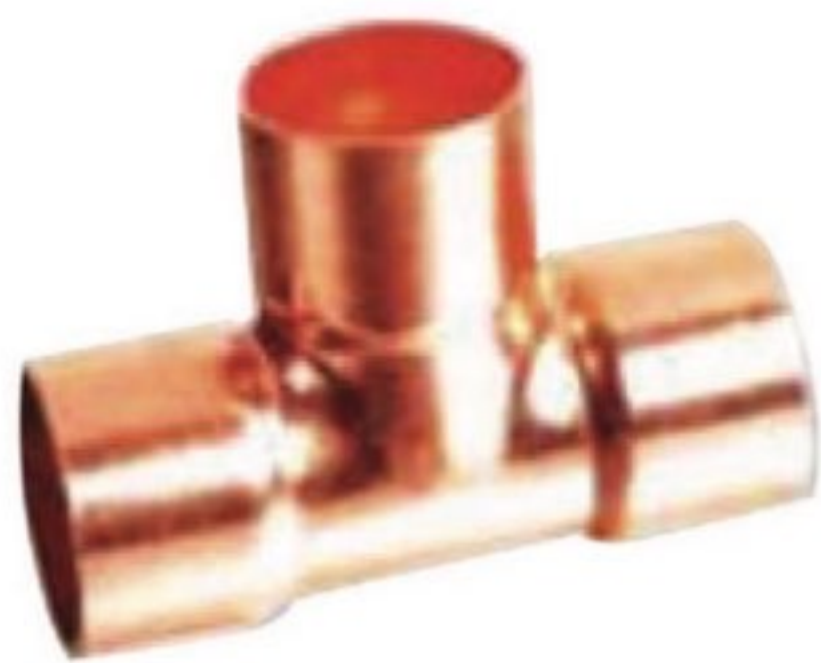
| 45° Elbows | Size (inch) |
|---|-------------|
|  | 3/8" |
| | 1/2" |
| | 5/8" |
| | 3/4" |
| | 7/8" |
| | 1-1/8" |
| | 1-3/8" |
| | 1-5/8" |
| | 2-1/8" |
| | 2-5/8" |

Copper Fittings



Reducing Tee

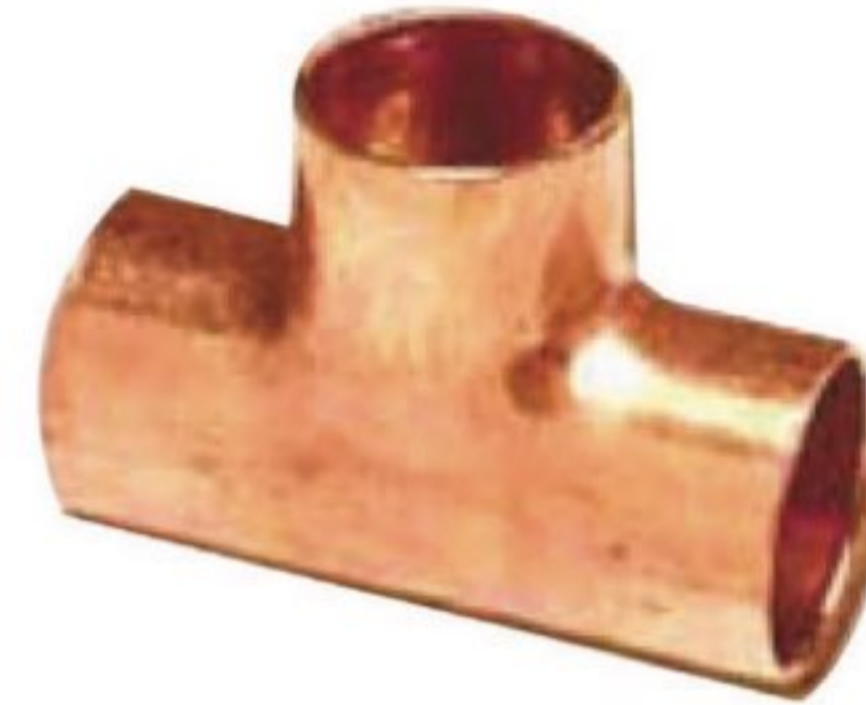
Size (inch)



- 1/2" x 1/2" x 1/4"
- 1/2" x 1/2" x 3/8"
- 5/8" x 5/8" x 1/4"
- 5/8" x 5/8" x 3/8"
- 5/8" x 5/8" x 1/2"
- 3/4" x 3/4" x 3/8"
- 3/4" x 3/4" x 1/2"
- 3/4" x 3/4" x 5/8"
- 7/8" x 7/8" x 3/8"
- 7/8" x 7/8" x 1/2"
- 7/8" x 7/8" x 5/8"
- 7/8" x 7/8" x 3/4"
- 1-1/8" x 1-1/8" x 1/2"
- 1-1/8" x 1-1/8" x 5/8"
- 1-1/8" x 1-1/8" x 3/4"
- 1-1/8" x 1-1/8" x 7/8"
- 1-3/8" x 1-3/8" x 5/8"
- 1-3/8" x 1-3/8" x 3/4"
- 1-3/8" x 1-3/8" x 7/8"
- 1-3/8" x 1-3/8" x 1-1/8"
- 1-5/8" x 1-5/8" x 5/8"
- 1-5/8" x 1-5/8" x 3/4"
- 1-5/8" x 1-5/8" x 7/8"
- 1-5/8" x 1-5/8" x 1-1/8"
- 1-5/8" x 1-5/8" x 1-3/8"
- 2-1/8" x 2-1/8" x 5/8"
- 2-1/8" x 2-1/8" x 7/8"
- 2-1/8" x 2-1/8" x 1-1/8"
- 2-1/8" x 2-1/8" x 1-3/8"
- 2-1/8" x 2-1/8" x 1-5/8"
- 2-5/8" x 2-5/8" x 1-1/8"
- 2-5/8" x 2-5/8" x 1-3/8"
- 2-5/8" x 2-5/8" x 1-5/8"
- 2-5/8" x 2-5/8" x 2-1/8"

Tee

Size (inch)



- 1/4"
- 3/8"
- 1/2"
- 5/8"
- 3/4"
- 7/8"
- 1-1/8"
- 1-3/8"
- 1-5/4"
- 2-1/8"
- 2-5/8"
- 3-1/8"
- 3-5/8"
- 4-1/8"
- 6-1/8"

P-Trap

Size (inch)

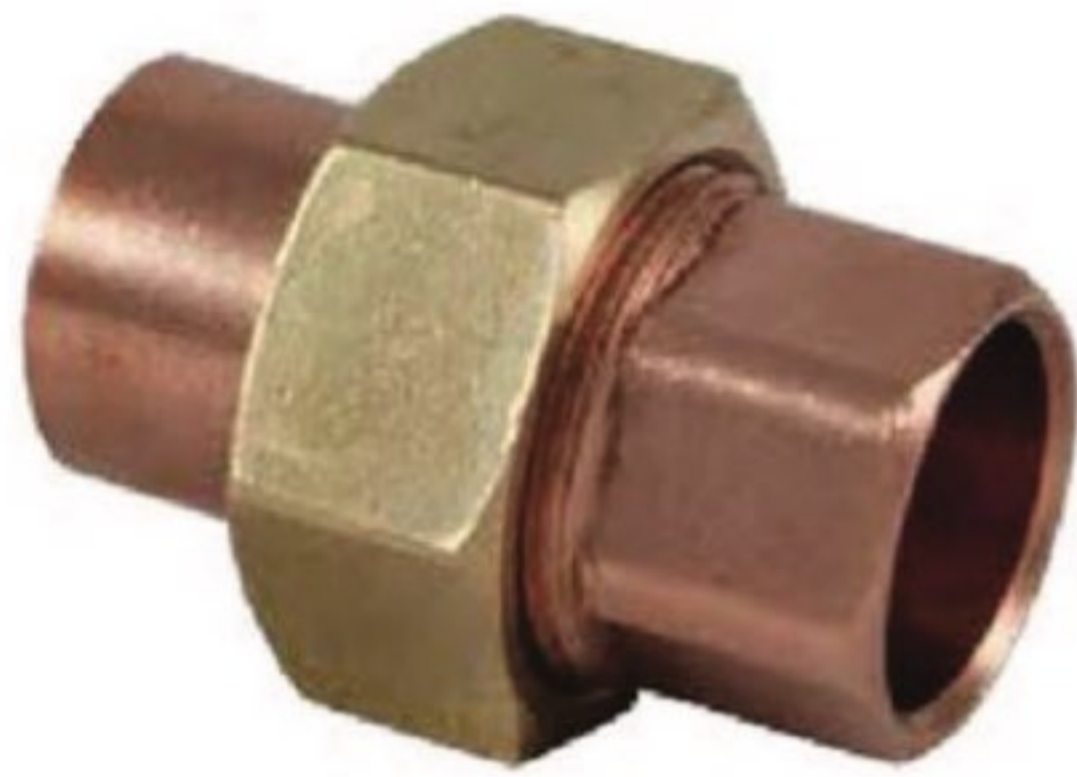


- 5/8"
- 3/4"
- 7/8"
- 1-1/8"
- 1-3/8"
- 1-5/8"
- 2-1/8"

Copper Fittings



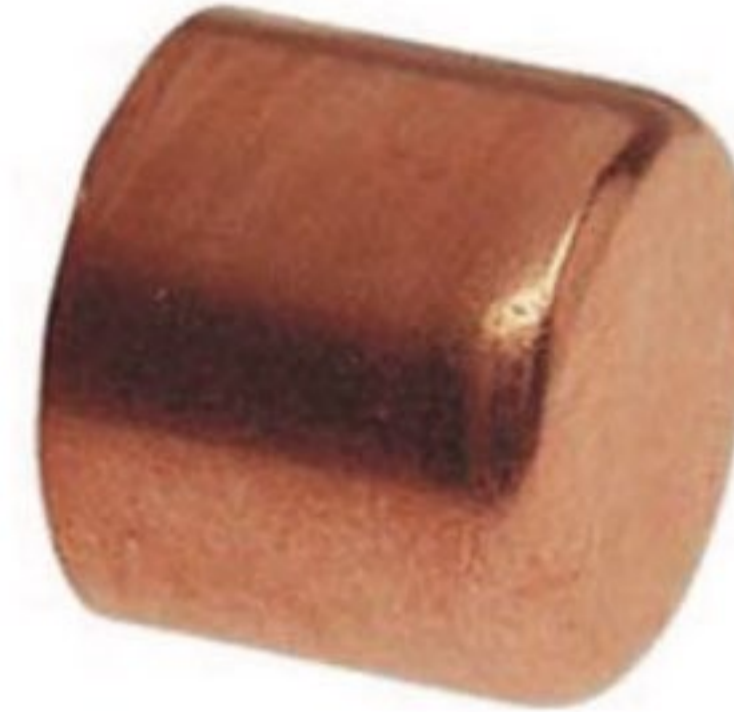
Copper Union



Size (inch)

- 1/2"
- 5/8"
- 3/4"
- 7/8"
- 1-1/8"
- 1-3/8"
- 1-5/8"
- 2-1/8"
- 2-5/8"
- 3-1/8"

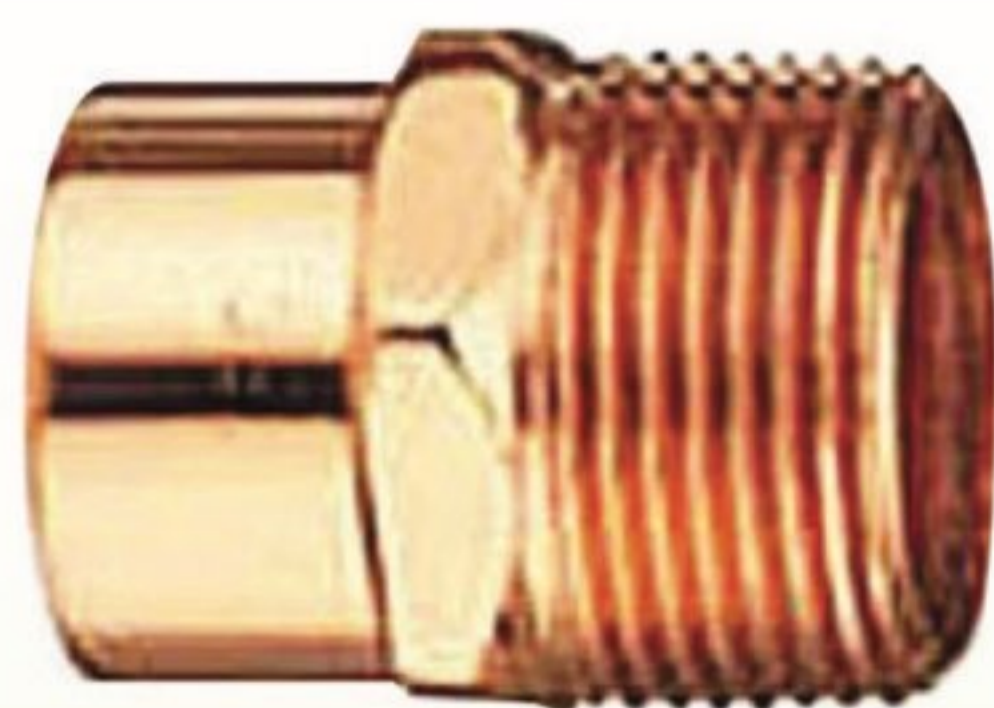
Tube Cap



Size (inch)

- 5/8"
- 3/4"
- 7/8"
- 1-1/8"
- 1-3/8"
- 1-5/8"
- 2-1/8"
- 2-5/8"
- 3-1/8"
- 4-1/8"

Male Copper Adapter



Size (inch)

- 1/2" x 3/8"
- 3/8" x 1/2"
- 1/2" x 1/2"
- 5/8" x 1/2"
- 3/4" x 1/2"
- 5/8" x 3/4"
- 3/4" x 3/4"
- 7/8" x 3/4"
- 1-1/8" x 3/4"
- 7/8" x 1"
- 1-1/8" x 1"
- 1-3/8" x 1"
- 1-1/8" x 1-1/4"
- 1-3/8" x 1-1/4"
- 1-3/8" x 1-1/2"
- 1-5/8" x 1-1/2"
- 1-5/8" x 2"
- 2-1/8" x 2"
- 2-5/8" x 2"
- 2-5/8" x 2-1/2"

Female Copper Adapter



Size (inch)

- 1/2" x 3/8"
- 5/8" x 3/8"
- 1/2" x 1/2"
- 5/8" x 1/2"
- 3/4" x 1/2"
- 7/8" x 1/2"
- 5/8" x 3/4"
- 3/4" x 3/4"
- 7/8" x 3/4"
- 1-1/8" x 3/4"
- 7/8" x 1"
- 1-1/8" x 1"
- 1-3/8" x 1"
- 1-3/8" x 1-1/4"
- 1-5/8" x 1-1/2"
- 2-1/8" x 2"
- 2-5/8" x 2-1/2"