

Rev. 4-01

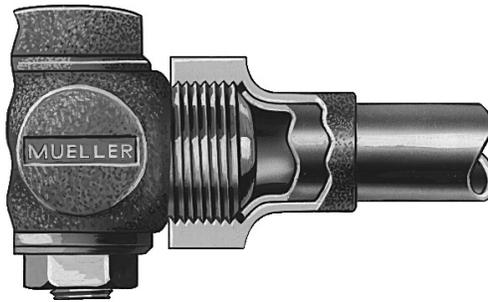
### MUELLER® INSTA-TITE® Connection

- ❑ BODY - is cast from corrosion resistant bronze ASTM B62 (85-5-5-5).
- ❑ LARGE WRENCH FLATS - provide generous gripping area for tightening connections to valve bodies.
- ❑ TWO DESIGNS - are available to fit either CTS O.D. PE plastic tubing or IPS PE plastic pipe.
- ❑ SIMPLE DESIGN - eliminates flaring, heating, threading, cementing, and nut tightening. Liners (inserts) are not required.
- ❑ O-RING - between the connection housing and the tubing or pipe creates a positive seal. Any increase in pressure, up to the maximum rating of the PE tubing or pipe, increases the sealing force.
- ❑ PRESSURE RATING - The pressure holding capability of the MUELLER INSTA-TITE Connection is designed to be greater than that of the valve or fitting on which it is used (only in potable water distribution applications complying with AWWA standards).
- ❑ MUELLER INSTA-TITE CONNECTION - is used on polyethylene (PE) pipe or tubing only.
- ❑ GRIP RING - is made from a high strength plastic and is designed to allow easy installation of the pipe or tubing while providing high resistance to pullout.
- ❑ COLOR CODED - grip ring, RED for CTS O.D. and WHITE for IPS, aids in proper selection and use.



- ❑ CONNECTION MEETS - all applicable parts of AWWA C800 standard.
- ❑ MUELLER CO. - was instrumental in introducing the copper flare connection to the water industry as an alternative to the old lead connections.
- ❑ PRESSURE RATING - The pressure holding capability of the MUELLER Copper Flare Connection is designed to be greater than that of the valve or fitting on which it is used (only in potable water distribution applications complying with AWWA standards).

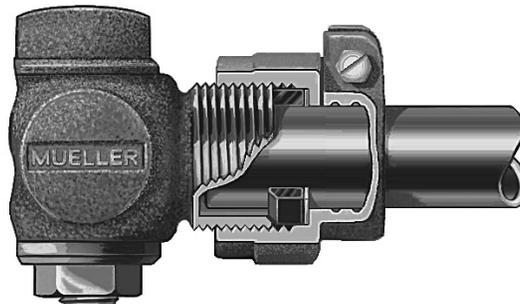
### Copper Flare Connection



- ❑ MUELLER® COPPER FLARE CONNECTION - is for use on type "K" copper tubing .
- ❑ CONVEX SURFACE - in nut opposes convex surface on body to provide a line contact, assuring greater pullout resistance and a dependable seal.
- ❑ EXTRA LONG SKIRT - on copper flare nut provides added support to tubing and reduces possibility of leaks.

- ❑ NUT - corrosion resistant cast bronze ASTM B62 (85-5-5-5).
- ❑ GASKET - compressed against the fitting and pipe outer surface by tightening of nut. Not interchangeable with the Mueller 110 Compression Connection gasket.
- ❑ MUELLER PACK JOINT CONNECTION- available in three styles: for type "K" copper and PE tubing (CTS), for IPS PE (PEP) and PVC pipe.

### Pack Joint Connection



- ❑ 3/4" & 1" CTS NUT/GASKET ASSEMBLY ARE INTERCHANGABLE - with comparable size of Mueller 110® Compression Connections nut/gasket assembly CTS only. (Note that 1-1/2" and 2" CTS components and all sizes of IPS components are NOT interchangeable.)
- ❑ PRESSURE RATING - The pressure holding capability of the MUELLER Pack Joint Connection is designed to be greater than that of the valve or fitting on which it is used (only in potable water distribution applications complying with AWWA standards).

# SERVICE FITTINGS WITH COPPER FLARE CONNECTION

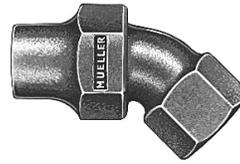
Shaded area indicates changes Rev. 8-04



Two Part Union  
Copper flare nut x female  
copper flare thread

**H-15405**

3/4"	1"	1-1/2"	2"
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Eighth bend coupling  
Copper flare nut x F.I.P.

**H-15455**

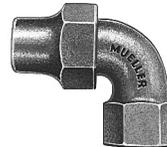
3/4"	1" ‡
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Straight three part union  
Copper flare nut—both ends

**H-15400**

1/2"	3/4"	3/4"x1"	1"	1-1/4"	1-1/4"x1"	1-1/2"
2"						



Quarter bend coupling  
Copper flare nut x F.I.P.

**H-15460**

3/4"	1"	1-1/4" ‡	1-1/2" ‡	2"
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Eighth bend three part union  
Copper flare nut—both ends

**H-15522**

3/4"	1"
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Straight coupling  
Copper flare nut x M.I.P.

**H-15425**

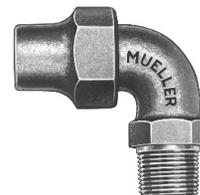
1/2" ‡	1/2"x3/4"	3/4"	3/4"x1/2"	3/4"x1"	1"
1"x3/4"	1"x1-1/4" ‡	1-1/4"	1-1/2"	2"	



Quarter bend three part union  
Copper flare nut—both ends

**H-15525**

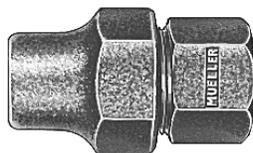
3/4"	1"	1-1/2"	2"
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Quarter bend coupling  
Copper flare nut x M.I.P.

**H-15530**

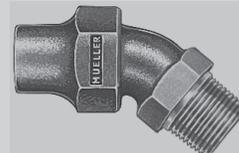
1/2" ‡	3/4"	1"	1"x3/4"	1-1/2" ‡	2"
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Straight coupling  
Copper flare nut x F.I.P.

**H-15450**

1/2"	1/2"x3/4" ‡	3/4"	3/4"x1/2"	1"	1"x3/4"	1-1/4"	1-1/2"	2"
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Eighth bend coupling M.I.P.  
x copper flare nut

**H-15539**

3/4"	1"
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NOTE: Sizes shown above represent normal size of fitting. When two sizes are given, the first is size of copper flare nut and second is size of threaded end.

‡ Requires minimum ordering quantity. Contact MUELLER Customer Service Center for minimum ordering requirements and availability.

**MUELLER Service Fittings are manufactured and tested in accordance with ANSI/AWWA C800**