

General Information

1. All Jones service fittings are manufactured in accordance with the AWWA Standard C-800-latest revision.
2. All fittings are tested individually.
3. Replacement components for compression fittings are available from your Jones distributor.
4. Packaging information is located in the Net Trade Sheet.
Thread Abbreviations:
 - F.I.P. indicates Female Iron Pipe thread.
 - M.I.P. indicates Male Iron Pipe thread.
 - CS indicates Corporation Stop thread.
 - "Super Grip" indicates Jones 110 Compression Connection (interchangeable with any 3/4" or 1" Jones compression fitting for tube size).*
5. Pipe wrenches should not be used to install service fittings. A smooth jaw wrench should be used on the flata area of the body.

**All service brass will comply with AWWA C-800. Components in contact with potable water will also comply with latest requirements of the Federal Safe Drinking Water Act.*

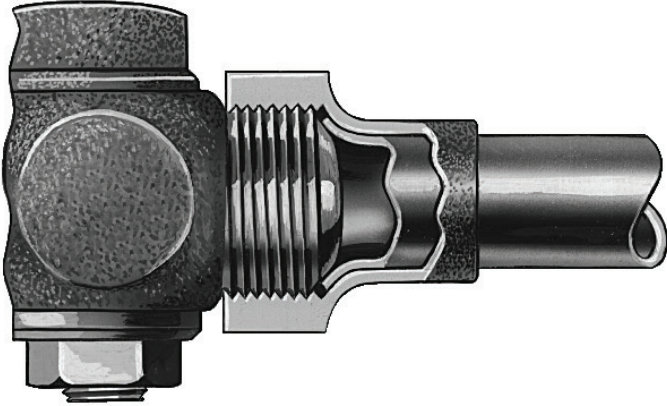
JONES 110™ Compression Connection (Super Grip) Features



- NUT - corrosion resistant cast bronze ASTM B584 (85-5-5-5) or Low Lead.
- TWO DESIGNS conductive compression connection fits type "K" copper tubing and CTS O.D. PE plastic tubing. A separate design fits IPS PE plastic pipe. Recommended stainless steel liners for plastic tubing and pipe available.
- CONDUCTOR SPRING - provides metal-to-metal contact between copper tubing and fitting for electrical conductivity.
- NUT - bottoms out on shoulder of coupling to give quick visual indication of proper tightening.
- ENTIRE GASKET - is enclosed to resist cold flow and creep.
- GASKET - compresses concave gripper band and seals against fitting body, pipe and nut. Uniform pressure is applied around the concave gripper, forcing each outer edge to grip the pipe for pull-out resistance.
- FLUOROCARBON COATING - on inside surface of nut reduces tightening effort and avoids gasket distortion.
- PRESSURE RATING The pressure holding capability of the JONES 110™ Compression Connection (Super Grip) 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).
- GRIPPER BAND - is stainless steel and overlaps itself so no gasket material can get underneath.

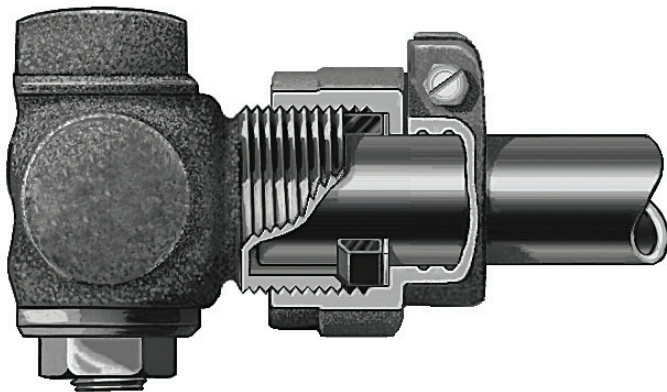
**See charts on pages 13-14 for tubing and pipe that may be used with these connections.*

Copper Flare Connection



- ❑ CONNECTION MEETS - all applicable parts of AWWA C800 standard.
- ❑ CONVEX SURFACE - in nut opposes convex surface on body to provide a line contact, assuring greater pullout resistance and a dependable seal.
- ❑ PRESSURE RATING - The pressure holding capability of the 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 - is for use on type "K" copper tubing .
- ❑ EXTRA LONG SKIRT - on copper flare nut provides added support to tubing and reduces possibility of leaks.

Pack Joint Connection

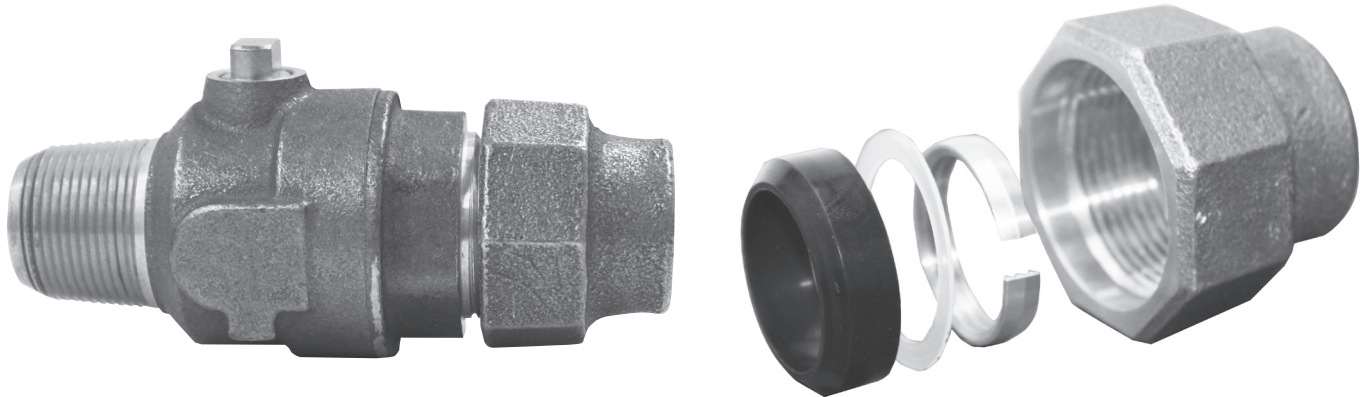


- ❑ NUT - corrosion resistant cast bronze ASTM B62 (85-5-5-5).
- ❑ GASKET - compressed against the fitting and pipe outer surface by tightening of nut. Not interchangeable with the Jones® 110 Compression Connection gasket.
- ❑ PACK JOINT CONNECTION- available in three styles: for type "K" copper and PE tubing (CTS), for IPS PE (PEP) and PVC pipe.*
- ❑ 3/4" & 1" CTS NUT/GASKET ASSEMBLY ARE INTERCHANGEABLE - with comparable size of Jones® 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 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).

*See charts on pages 14-15 for tubing and pipe that may be used with these connections.

JONES[®] Grip Compression Connection

The JONES[®] Grip Compression Connection is a stab connection with large wrench flats. It is available in CTS and can be ordered by adding a "MG" at the end of an existing compression connection Part Number (EX: E1937MG).



- PRESSURE RATING -The pressure holding capability of the JONES Grip Compression 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).
- GASKET - compressed against the fitting and pipe outer surface by tightening of nut.
- JONES GRIP COMPRESSION CONNECTION - available for type "K" copper and PE tubing (CTS).
- INTERCHANGEABLE - with 110 CTS Compression Connection in 3/4" - 1" or CTS Pack Joint in 1-1/2" - 2".
- NUT - corrosion resistant cast bronze. ASTM B584

Tubeing, pipe and liners used with Jones Grip Compression Connection

Nominal size of connection	Material*	Tubeing or pipe O.D. range - inches	Tubeing or pipe wall thickness range - inches	Tubeing or pipe I.D. range - inches	Liner part number
3/4" CTS	Type "K" copper	0.872 - 0.878	0.061 - 0.069	-	-
	Polyethylene	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	528704
1" CTS	Type "K" copper	1.121 - 1.129	0.061 - 0.069	-	-
	Polyethylene	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	528705
1-1/2" CTS	Type "K" copper	1.621 - 1.630	0.067 - 0.077	-	-
	Polyethylene	1.619 - 1.631	0.181 - 0.199	1.221 - 1.269	528706
2" CTS	Type "K" copper	2.120 - 2.130	0.076 - 0.090	-	-
	Polyethylene	2.119 - 2.131	0.236 - 0.260	1.599 - 1.659	528707

*Type "K" soft copper tubeing per ASTM B88; CTS polyethylene (PE) per ASTM D-2737 - SDR-9



Liner

Grip Joint kits

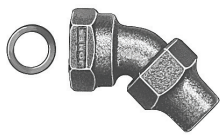
Size	Kit	Grip ring	Washer	Gasket	Connection nut
3/4" CTS	682861	312919	311692	537881	537838
1" CTS	682862	312920	311695	537882	537839
1-1/2" CTS	682863	312921	538107	537883	537840
2" CTS	682864	312922	538108	538109	537841

SECTION 3 – Service Fittings

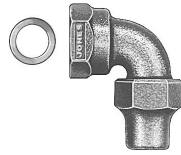
JONES®

a MUELLER brand

Copper Flare Connection Service Fitting



E-1549



E-1548



E-1528



E-1529

Part Number	Description	Sizes
E-1549	Eighth Bend Coupling Female Copper Flare Thread x Copper Flare Nut	3/4" 1" 1-1/2" 2"
E-1548	Quarter Bend Coupling Female Copper Flare Thread x Copper Flare Nut	3/4" 1" 1-1/2" 2"
E-1528	Straight Three Part Union Copper Flare Nut - both ends	3/4" 3/4" x 1" 1" 1-1/2" 2"
E-1529	Two Part Union Copper Flare Nut x Female Copper Flare Thread	3/4" 1" 1-1/2" 2"



E-1531



E-1535



E-1536



E-1552

Part Number	Description	Sizes
E-1531	Straight Coupling Copper Flare Nut x M.I.P.	3/4" 3/4" x 1" 1" 1" x 3/4" 1-1/2" 2"
E-1535	Straight Coupling Copper Flare Nut x F.I.P.	3/4" 1" 1-1/2" 2"
E-1536	Quarter Bend Coupling Copper Flare Nut x F.I.P.	3/4" 1" 1-1/2" 2"
E-1552	Quarter Bend Three Part Union Copper Flare Nut - both ends	3/4" 1" 1-1/2" 2"
Part Number	Description	Sizes

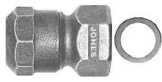


E-1550

E-1550	Quarter Bend Coupling Copper Flare Nut x M.I.P.	3/4" 1" 1-1/2" 2"
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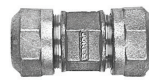
Jones[®] 110 Compression Connections (Super Grip) Service Fittings



E-2623SG



E-2609SG

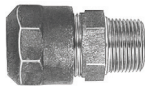


E-2610SGP



E-2612SGP

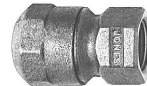
Part Number	Description	Sizes
E-2623SG	Straight Coupling Jones [®] 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing x Female Copper Flare Thread	3/4" 3/4" x 1" 1"
E-2609SG	Straight Three Part Union. Jones 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing -both ends	3/4" 1" 1" x 3/4" 1-1/4" 1-1/2" 2"
E-2610SGP	Straight Three Part Union. Jones 110 Compression Connection (Super Grip) for IPS PE* pipe-both ends. <i>Note: The 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1"
E-2612SGP	Straight Three Part Union. Jones 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing x 110 Compression Connection for IPS PE* pipe <i>Note: The 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1"



E-2605SG



E-2606SGP



E-2607SG

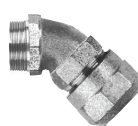


E-2608SGP

Part Number	Description	Sizes
E-2605SG	Straight Coupling. Jones 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing x M.I.P. Thread	3/4" 1" 1" x 3/4" 3/4" x 1" 1-1/4" 1-1/2" 2"
E-2606SGP	Straight Coupling. Jones 110 Compression Connection (Super Grip) for IPS PE* pipe x M.I.P. Thread. <i>Note: The 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1" 1" x 3/4"
E-2607SG	Straight Coupling. Jones 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing x F.I.P. Thread	3/4" 3/4" x 1" 1" 1" x 3/4" 1-1/2" 2"
E-2608SGP	Straight Coupling. Jones 110 Compression Connection (Super Grip) for IPS PE* pipe x F.I.P. Thread. <i>Note: The 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1"



E-2611SG



E-2635SG



E-2619SG



E-2621SG

Part Number	Description	Sizes
E-2611SG	Quarter Bend Union. Jones 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing -both ends	3/4" 1" 1-1/2" 2"
E-2635SG	Eighth Bend Coupling. M.I.P. Thread x Jones 110 Conductive Compression (Super Grip) Connection for soft/annealed copper and CTS PE* tubing	3/4" 1"
E-2619SG	Quarter Bend Coupling. M.I.P. Thread x Jones 110 Conductive Compression (Super Grip) Connection for soft/annealed copper and CTS PE* tubing	3/4" 1" 1-1/2" 2"
E-2621SG	Quarter Bend Coupling. F.I.P. Thread x Jones 110 Conductive Compression (Super Grip) Connection for soft/annealed copper and CTS PE* tubing	3/4" 1" 1-1/2" 2"

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*See charts on pages 14-15 for tubing and pipe that may be used with these connections.

SECTION 3 – Service Fittings

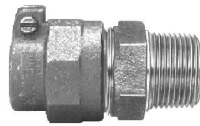
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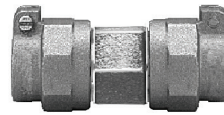
Pack Joint Connection Service Fittings



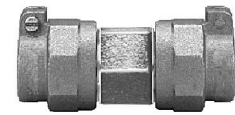
E-2610



E-2606

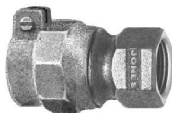


E-2612

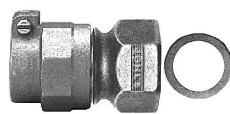


E-2642

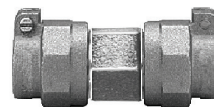
Part Number	Description	Sizes
E-2610	Straight Coupling. Pack Joint Connection for IPS PE* pipe - both ends <i>Note: The 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1" 1-1/2" 2"
E-2606	Straight Coupling. Pack Joint Connection for IPS PE* x M.I.P. thread <i>Note: The 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1" 1" x 3/4" 1-1/2" 2"
E-2612	Straight Coupling. Pack Joint Connection for IPS PE* pipe x Pack Joint Connection for CTSO.D* tubing. <i>Note: The 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1"
E-2642	Straight Coupling. Pack Joint Connection for IPS PVC pipe - both ends. <i>Note: The 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 3/4" x 1" 1" 1-1/2" 2"



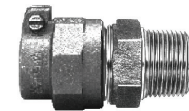
E-2608



E-2623

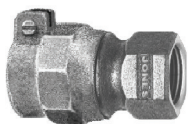


E-2609



E-2605

Part Number	Description	Sizes
E-2608	Straight Coupling. Pack Joint Connection for IPS PE* pipe x F.I.P. thread <i>Note: The 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1" 1-1/2" 2"
E-2623	Straight Coupling. Pack Joint Connection for CTS O.D* tubing x female copper flare thread.	3/4" 3/4" x 1" 1"
E-2609	Straight Three Part Union. Pack Joint Connection for CTS O.D* tubing - both ends	3/4" 3/4" x 1" 1" 1" x 3/4" 1-1/2" 2"
E-2605	Straight Coupling. Pack Joint Connection for CTS O.D* tubing x M.I.P. thread.	3/4" 1" 1" x 3/4" 1-1/4" x 1" 1-1/2" 2"



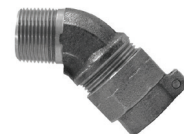
E-2607



E-2611



E-2626



E-2635

Part Number	Description	Sizes
E-2607	Straight Coupling. Pack Joint Connection for CTS O.D* tubing x F.I.P. thread.	3/4" 3/4" x 1" 1" 1" x 3/4" 1-1/2" 2"
E-2611	Quarter Bend Union. Pack Joint Connection for CTS O.D* tubing - both ends.	3/4" 1" 1-1/2" 2"
E-2626	Quarter Bend Union. Pack Joint Connection for IPS PVC pipe - both ends.	3/4" 1" 1-1/2" 2"
E-2635	Eighth Bend Coupling. M.I.P. thread x Pack Joint Connection for CTS O.D* tubing.	3/4" 1"

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*See charts on pages 14-15 for tubing and pipe that may be used with these connections.

Pack Joint Connection Service Fittings



E-2619



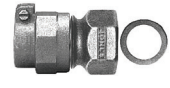
E-2621



E-2640



E-2641



E-2624

Part Number	Description	Sizes
E-2619	Quarter Bend Coupling. M.I.P. thread x Pack Joint Connection for CTS O.D* tubing.	3/4" 1" 1-1/2" 2"
E-2621	Quarter Bend Coupling. F.I.P. thread x Pack Joint Connection for CTS O.D* tubing.	3/4" 1" 1-1/2" 2"
E-2640	Straight Coupling. Pack Joint Connection for IPS PVC* pipe x M.I.P. thread.	3/4" 1" 1" x 3/4" 1-1/2" 2"
E-2641	Straight Coupling. Pack Joint Connection for IPS PVC* pipe x F.I.P. thread.	3/4" 1" 1-1/2" x 2" 2"
E-2624	Straight Coupling. Pack Joint Connection for IPS PE* x female copper flare thread.	3/4"

Threaded Connection



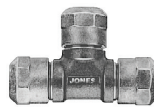
E-2604

Part Number	Description	Sizes
E-2604	Quarter Bend Coupling. M.I.P.- both ends.	3/4" 1" 1-1/2" 2"

Service Tees



E-1570

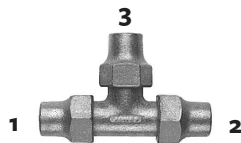


E-2617SG



E-2617

Part Number	Description	Sizes
E-1570	Copper flare nut-all ends	3/4" 3/4" x 3/4" x 1" 1"
E-2617SG	Jones [®] 110 Conductive Compression Connection (Super Grip) for soft/an-nealed copper and CTS PE* tubing-all ends	3/4" 3/4" x 3/4" x 1" 1" 1-1/2" 2"
E-2617	Pack Joint Connection for CTS O.D.* tubing-all ends	3/4" 3/4" x 3/4" x 1" 1" 1-1/2" 2"



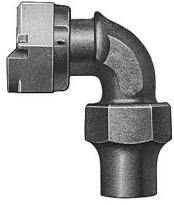
Service tee sizing - sizes of ends are listed in the order shown above - when all three end sizes are the same, only one size is listed.

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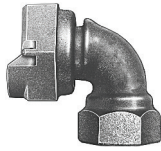
**See charts on pages 14-15 for tubing and pipe that may be used with these connections.*

SECTION 3 – Service Fittings

Meter Couplings



E-132C



E-132B

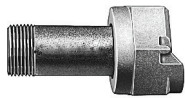


E-132



E-130

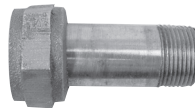
Part Number	Description	Size		
		Catalog Size	Meter Size	Tubing Size
E-132C	Quarter bend coupling. Meter swivel nut x copper flare nut	Catalog Size	1	
		Meter Size	1	
		Tubing Size	1	
E-132B	Quarter bend coupling Meter swivel nut x F.I.P.	Catalog Size	5/8x3/4x3/4	1
		Meter Size	5/8x3/4, 3/4	1
		Tubing Size	3/4	1
E-132	Quarter bend coupling. Meter swivel nut. Tail piece x Meter swivel nut x M.I.P	Catalog Size	5/8x3/4x3/4	1
		Meter Size	5/8x3/4, 3/4	1
		Tubing Size	3/4	1
E-130	Straight Meter Coupling. Meter swivel nut x M.I.P. Tail piece machined inside and outside. Specify length when ordering.	Catalog Size	5/8x3/4x3/4	1
		Meter Size	5/8x3/4, 3/4	1
		Thread size	3/4	1



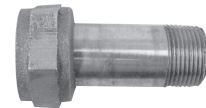
E-134



E-2652SG



E-5931



E-5930

E-134	Straight meter coupling. Meter swivel nut x M.I.P. Ribbed outside and cored inside. Specify length when ordering.	Catalog Size	5/8x3/4x3/4	1	1-1/2	2
		Meter Size	5/8x3/4, 3/4	1	1-1/2	2
		Thread size	3/4	1	1-1/2	2
E-2652SG	Straight Meter Coupling. Meter swivel nut x Jones® 110 Conductive Compression (Super Grip) Connection for soft/annealed copper and CTS PE* tubing.	Catalog Size	5/8x3/4x3/4	5/8x3/4x1	1	
		Meter Size	5/8x3/4, 3/4	5/8x3/4, 3/4	1	
		Tubing Size	3/4	1	1	
E-5931	Straight meter single check valve. Inlet: Meter swivel coupling nut. Outlet: M.I.P. Specify length when ordering.	Catalog Size	5/8x3/4x3/4		1	
		Meter Size	5/8x3/4, 3/4		1	
		Pipe Size	3/4		1	
E-5930	Straight meter dual check valve. Inlet: Meter swivel coupling nut. Outlet: M.I.P. Specify length when ordering.	Catalog Size	3/4		1	
		Meter Size	5/8x3/4, 3/4		1	
		Pipe Size	3/4		1	

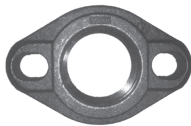
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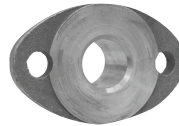
Meter Flange Adapters and Gasket



J-129G



E-129



E-129H



E-129M

Part Number	Description	Sizes
J-129G	Meter flange gasket - Rubber, Drop in	1-1/2" 2"
E-129	F.I.P. Meter Flange - Excludes Bolt or Gasket	1-1/2" 2"
E-129H	F.I.P. meter flange heavy duty - excludes bolt or gasket	1-1/2" 2"
E-129M	M.I.P. meter flange - excludes bolt or gasket	1-1/2" 2"



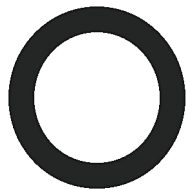
E-120



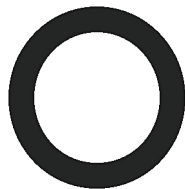
E-127

Part Number	Description	Sizes
E-120	IPS PVC Pack Joint x Meter Flange	1-1/2" 2"
E-127	CTS Pack Joint x Meter Flange	1-1/2" 2"

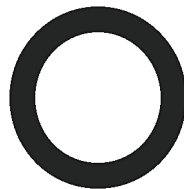
Meter Parts and Accessories



J-137



J-136



J-137R



E-128H



E-128HM

Part Number	Description	Size				
J-137	Fiber Gasket	Catalog Size	3/4	1		
		Meter Size	5/8x3/4, 3/4	1		
J-136	Leather Gasket	Catalog Size	3/4	1		
		Meter Size	5/8x3/4, 3/4	1		
J-137R	Rubber Gasket	Catalog Size	3/4	1	1-1/2	2
		Meter Size	5/8x3/4x3/4	1	1-1/2	2
E-128H	Water Meter Adapter - Adapts meter to larger thread and lay length	Catalog Size	3/4 x 1			
		Meter Size	3/4 to 1 Meter Adapter			
E-128HM	Water Meter Adapter - Adapts meter to larger thread and lay length	Catalog Size	5/8 x 3/4 x 1			
		Meter Size	5/8 x 3/4 to 1 Meter Adapter			

JONES Service Fittings are manufactured and tested in accordance with ANSI/AWWA C-800. Components in contact with potable water will also comply with latest requirements of the Federal Safe Drinking Water Act.

SECTION 3 – Service Fittings

JONES®

a MUELLER brand

“U” Branch Connections



E-1575



E-2613SG



E-1576



E-1577

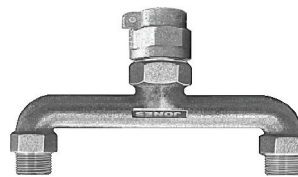
Part Number	Description	Sizes
E-1575	Inlet: Copper flare nut Outlets: M.I.P. thread straight line	1" x 3/4" x 13-1/2"
E-2613SG	Inlet: Jones® 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing Outlets: M.I.P. thread straight line	1" x 3/4" x 6-1/2" 1" x 3/4" x 7-1/2" 1" x 3/4" x 13-1/2" 1-1/2" x 3/4" x 7-1/2" 1-1/2" x 1" x 7-1/2"
E-1576	Inlet: M.I.P. thread Outlets: M.I.P. thread straight line	1" x 3/4" x 13-1/2" 1" x 1" x 7-1/2"
E-1577	Inlet: F.I.P. thread Outlet: M.I.P. thread straight line	1" x 3/4" x 7-1/2" 1" x 3/4" x 13-1/2"



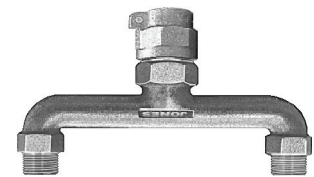
E-1578



E-2631



E-2613



E-2614

Part Number	Description	Sizes
E-1578	Inlet: Copper flare nut Outlets: M.I.P. thread right angle	3/4" x 3/4" x 7 1" x 3/4" x 7
E-2631	Inlet: Pack Joint Connection for CTS O.D.* tubing Outlets: M.I.P. thread right angle	1" x 3/4" x 7
E-2613	Inlet: Pack Joint Connection for CTS O.D.* tubing Outlets: M.I.P. thread straight line	1" x 3/4" x 6-1/2" 1" x 3/4" x 7-1/2" 1" x 3/4" x 13-1/2"
E-2614	Inlet: Pack Joint Connection for IPS PE tubing Outlets: M.I.P. thread straight line	1" x 3/4" x 13-1/2"

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*See charts on pages 14-15 for tubing and pipe that may be used with these connections.

Residential Fire Service Connection



E-2632



E-2633



E-2219



E-2220

Part Number	Description	Sizes
E-2632	Inlet: Meter swivel nut Outlets: Male meter thread	1"x1"x5"
E-2633	Inlet: M.I.P. thread Outlets: Male meter thread	1"x1"x5"
E-2219	Inlet: Meter nut Outlets: CTS PJ outlets	1"
E-2220	Inlet: Meter nut Outlets: FIP outlets	1"
E-2219SG	Inlet: Meter nut Outlets: Jones [®] 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing	1"

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*See charts on pages 14-15 for tubing and pipe that may be used with these connections.

SPECIAL "U" BRANCH CONNECTIONS ASSEMBLY WORKSHEET

James Jones has the capability to supply "U" Branches with virtually any combination of end connections, including styles with any standard Jones valve or fitting attached to one or more of the connections. Use the illustrations below to sketch what is needed. Label each of the three positions with the type/size of connection (eg: 110 Connection, M.I.P., etc.), and type/size valve/fitting to be attached if applicable. Best availability will result by selecting a standard "U" Branch from the preceding page, however special configurations may be available.

_____ Enter catalog number of standard "U" branch, otherwise mark the appropriate illustration below to show important dimensions of the special "U" branch you require, such as distance between outlets.

Position #1 Type/size connection: _____

- Check this box if nothing is to be attached at position #1, otherwise provide the following information.

Valve/fitting catalog number: _____

Valve options (eg: handles): _____

Position #2 Type/size connection: _____

- Check this box if nothing is to be attached at position #2, otherwise provide the following information.

Valve/fitting catalog number: _____

Valve options (eg: handles): _____

Position #3 Type/size connection: _____

- Check this box if nothing is to be attached at position #3, otherwise provide the following information.

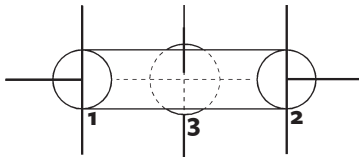
Valve/fitting catalog number: _____

Valve options (eg: handles): _____

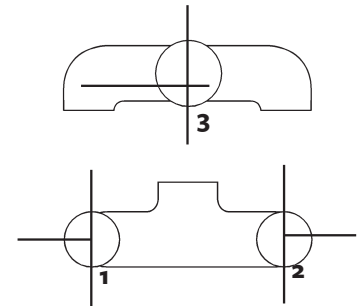
If angle valves are needed: Draw an arrow head on the end of the red line at each of the appropriate positions to show the direction the angle valve outlet should point. If ordering inline valves: Draw an arrow head to show the direction the valve head (cap) or access cover should point.

Note: Although the arrow lines are shown in the 12, 3, 6 and 9 o'clock positions, which are most common and preferred, other angles can be ordered. If some other angle is required, draw in your own arrow line and mark the angle in degrees referenced to the centerline of the "U" branch body.

Straight line "U" branch viewed from outlet end



Right angle "U" branch - top right illustration: viewed from inlet end; bottom right illustration: viewed from outlet end

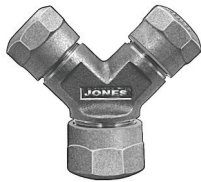


There are three possible locations where a special fitting can be attached: at outlets 1 and 2, or inlet 3.

FAX this page to James Jones Customer Service (800) 246-5663. A representative will contact you to discuss availability submitting this page does not constitute placing an order.

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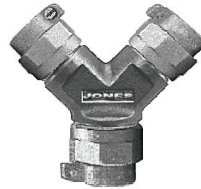
"Y" Branch Connections



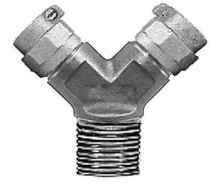
E-2625SG



E-2630SG



E-2625



E-2630

Part Number	Description	Sizes
E-2625SG	Two branch-short body Inlets: Jones® 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing Outlet: Jones 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing	3/4" x 1"
E-2630SG	Two branch-short body Inlets: Jones 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing Outlet: M.I.P. thread	1" x 1-1/2"
E-2625	Two branch-short body Inlets: Pack Joint Connection for CTS O.D* tubing Outlet: Pack Joint Connection for CTS O.D* tubing	3/4" x 1" 1" x 1-1/2"
E-2627	Two branch-short body Inlets: Pack Joint Connection for CTS O.D* tubing Outlet: Pack Joint Connection for CTS O.D* tubing	1" x 1-1/2"
E-2630	Two branch-short body Inlets: Pack Joint Connection for CTS O.D* tubing Outlet: M.I.P. thread	1" x 1-1/2"

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*See charts on pages 14-15 for tubing and pipe that may be used with these connections.

SECTION 3 – Service Fittings

JONES®

a MUELLER brand

Pipe Liners



J-2807



J-2808



J-2809



J-2810

Part Number	Description	Sizes
J-2807	Pipe Liner for use with CTS O.D. Jones® 110 Compression Connection	3/4" 1" 1-1/2" 2"
J-2808	Pipe Liner for use with CTS O.D. Pack Joint Connection	3/4" 1" 1-1/2" 2"
J-2809	Pipe Liner for use with IPS PVC Pack Joint Connection	3/4"
J-2810	Pipe Liner for use with IPS PE Jones® 110 Compression Connections	3/4" 1"

Tube, pipe and liners used with Jones® 110 Compression Connection

Nominal size of connection	Material	Tubing or pipe O.D. range - in.	Tubing or pipe wall thickness range - in.	Tubing or pipe I.D. range - in.	Liner part number
1/2" CTS	Type "K" soft/annealed copper	0.622 - 0.628	0.045 - 0.053	-	-
3/4" CTS	Type "K" soft/annealed copper	0.872 - 0.878	0.061 - 0.069	-	-
	Polyethylene PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	504281J
1" CTS	Type "K" soft/annealed copper	1.21 - 1.129	0.061 - 0.069	-	-
	Polyethylene PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	504385J
1-1/4" CTS	Type "K" soft/annealed copper	1.371 - 1.379	0.060 - 0.070	-	-
	Polyethylene PE	1.370 - 1.380	0.153 - 0.168	1.034 - 1.074	505142J
1-1/2" CTS	Type "K" soft/annealed copper	1.621 - 1.630	0.067 - 0.077	-	-
	Polyethylene PE	1.619 - 1.631	0.181 - 0.199	1.221 - 1.269	506139J
2" CTS	Type "K" soft/annealed copper	2.120 - 2.130	0.076 - 0.090	-	-
	Polyethylene PE	2.119 - 2.131	0.236 - 0.260	1.599 - 1.659	506141J
3/4" IPS	Polyethylene PE	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834	505141J
1" IPS	Polyethylene PE	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059	505142J

Type "K" soft/annealed copper tubing per ASTM B88

CTS polyethylene (PE) per ASTM D-2737 - SDR-9

IPS polyethylene (PE) per ASTM D-2239 - PE SDR-7

110 Compression Connection replacement parts

Size	Kit	Gasket part number†	Connection nut
1/2" CTS	-	681516	147542
3/4" CTS	682600J	581949	507831
1" CTS	682601J	581951	507835
1-1/2" CTS	682602J	581955	507847
2" CTS	682603J	581957	507851
3/4" IPS PE	-	89599	508826
1" IPS PE	-	89788	508827



Gasket



Nut

† Gasket and gripper band assembly

Tubing, pipe and liners used with Pack Joint Connection

Nominal size of connection	Material	Tubing or pipe O.D. range - in.	Tubing or pipe wall thickness range - in.	Tubing or pipe I.D. range - in.	Liner part number
3/4" CTS	Type "K" soft/annealed copper	0.872 - 0.878	0.061 - 0.069	-	-
	Polyethylene PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	528704J
1" CTS	Type "K" soft/annealed copper	1.21 - 1.129	0.061 - 0.069	-	-
	Polyethylene PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	528705J
1-1/2" CTS	Type "K" soft/annealed copper	1.621 - 1.630	0.067 - 0.077	-	-
	Polyethylene PE	1.619 - 1.631	0.181 - 0.199	1.221 - 1.269	528706J
2" CTS	Type "K" soft/annealed copper	2.120 - 2.130	0.076 - 0.090	-	-
	Polyethylene PE	2.119 - 2.131	0.236 - 0.260	1.599 - 1.659	528707J
3/4" IPS	Polyethylene PE	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834	505141J
	3/4" Sch. 40 PVC	1.046 - 1.054	0.113 - 0.133	0.780 - 0.828	509759J
	3/4" Sch. 80 PVC	1.046 - 1.054	0.154 - 0.174	0.698 - 0.746	509760J
1" IPS	Polyethylene PE	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059	505142J
	1" Sch. 40 PVC	1.310 - 1.320	0.113 - 0.133	-	-
	1" Sch. 80 PVC	1.310 - 1.320	0.179 - 0.200	-	-
1-1/2" IPS	Polyethylene PE	2.05 - 2.141	0.230 - 0.258	1.590 - 1.625	529116J
	1-1/2" Sch. 40 PVC	1.894 - 1.906	0.145 - 0.165	-	-
	1-1/2" Sch. 80 PVC	1.894 - 1.906	0.200 - 0.224	-	-
2" IPS	Polyethylene PE	2.637 - 2.742	0.295 - 0.330	2.047 - 2.082	529117J
	2" Sch. 40 PVC	2.369 - 2.381	0.154 - 0.174	-	-
	2" Sch. 80 PVC	2.369 - 2.381	0.218 - 0.244	-	-

Type "K" soft/annealed copper tubing per ASTM B88
 CTS polyethylene (PE) per ASTM D-2737 - SDR-9
 IPS polyethylene (PE) per ASTM D-2239 - PE SDR-7
 IPS polyvinylchloride (PVC) per ASTM D1785

Pack Joint Connection Kit

Size	Connection Kit
3/4" CTS	681921J
1" CTS	681922J
1-1/2" CTS	681923J
2" CTS	681924J
3/4" IPS PE	682377J
1" IPS PE	682556J
1-1/2" IPS PE	682557J
2" IPS PE	682558J
3/4" IPS PVC	682377J
1" IPS PVC	682553J
1-1/2" IPS PVC	682554J
2" IPS PVC	682555J



**Connection Kit
(includes Pack Joint,)**

SECTION 3 – Service Fittings

Copper Gasket - E-1561

Part Number	Description	Sizes
E-1561	Copper Gasket used inside copper service couplings	3/4" 1" 1-1/2" 2"



Pipe Plug - E-150

Part Number	Description	Sizes
E-150	Brass plug - Square head with AWWA taper ("CC") thread	3/4" 1"



Equipment and Tools



Brass Hammer

Solid brass head with 10" wooden handle. Weight 2-3/4 lb.

CATALOG NUMBER: **J-18025**



Brass cap

Fits on copper flare spud to cap off line.

CATALOG NUMBER: **J-15540N**

3/4"	1"
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Solid copper disc

Used with regular copper flare nut to shut off line.

CATALOG NUMBER: **J-15535**

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
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Used to ream the inside of type

"K" copper tubing to remove burrs prior to flaring.

CATALOG NUMBER: **J-18010**

1/2"	3/4"	1"
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Drilled flaring tool

Used to make 45° flare on type "K" copper tubing without shutting off water-drilled to exhaust water at right angle to tubing.

CATALOG NUMBER: **J-18005**

Reamer

3/4"	1"
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Note: When using any striking tool, safety eye protection must be worn. Inspect hammer and tools for any damage after each use and repair or replace if mushrooming or chipping is evident.

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