

## Cast Iron Meter Yoke

- Cast iron yoke bar has strong I-beam cross-section.
- Shutoff valves include the Jones ball valve and the Jones ground key angle meter stop.
- Four separate yoke bar sizes fit 5/8", 5/8"x3/4", 3/4" and 1" meters.
- Optional yoke bars with prong feature for added stability when using plastic service pipe or tubing.
- Easy-turning brass expansion handwheel has gaskets for positive sealing.
- Brass lock nut speeds hand assembly of valves and couplings to yoke.
- Lock nut allows adjustment of valves and couplings to accommodate a wide variation of service line routing.
- Rubber gaskets are confined inside lock nuts to assure positive sealing.
- Angle outlet coupling is available with optional test valve.
- Top-entry, angle and in-line dual check valves are available.
- A wide variety of straight or angle couplings and connections adapt the yoke to different piping arrangements.



*\*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.*

Rev. 12-14 Shaded area indicates change

## Iron Meter Yoke and Equipment



**J-5010**



**E-6212**

Part Number	Description	Size	
		Catalog Size	Meter Size
J-5010	Iron meter yoke for 5/8" Meters (509238-1)	Catalog Size	5/8"
		Meter Size	5/8"
J-5020	Iron meter yoke for 5/8" x 3/4" Meters (509239-1)	Catalog Size	5/8" x 3/4"
		Meter Size	5/8" x 3/4"
J-5040	Iron meter yoke for 1" Meters (526093-1)	Catalog Size	1"
		Meter Size	1"
E-6212	Expansion Handwheel	Catalog Size	5/8"
		Meter Size	5/8"
E-6213	Expansion Handwheel	Catalog Size	3/4"
		Meter Size	5/8" x 3/4", 3/4"
E-6214	Expansion Handwheel	Catalog Size	1"
		Meter Size	1"

## Iron Yoke Ball Valves



**E-6441W**



**E-6429WSG**



**E-6429W**



**E-6432W**

Part Number	Description	Size			
		Catalog Size	Meter Size	Tubing Size	Locknut Size
<b>E-6441W</b>	Straight Ball Valve. Pack Joint Connection for CTS O.D* tubing x lock nut with tee head lockwing.	Catalog Size	5/8" x 3/4" x 3/4"		1"
		Meter Size	5/8" x 3/4" x 3/4"		1"
		Tubing Size	3/4"		1"
<b>E-6429WSG</b>	Angel Ball Valve. Jones® 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE tubing x lock nut with lockwing.	Catalog Size	5/8" x 3/4"	5/8" x 3/4" x 3/4"	1"
		Meter Size	5/8"	5/8" x 3/4", 3/4"	1"
		Tubing Size	3/4"	3/4"	1"
<b>E-6429W</b>	Angel Ball Valve. Pack Joint Connection for CTS O.D* tubing x lock nut with lockwing.	Catalog Size	5/8" x 3/4"	5/8x3/4x3/4	1"
		Meter Size	5/8"	5/8x3/4, 3/4	1"
		Tubing Size	3/4"	3/4	1"
<b>E-6432W</b>	Angel Ball Valve. Copper flare x locknut with lockwing.	Catalog Size	5/8" x 3/4"	5/8" x 3/4" x 3/4"	1"
		Meter Size	5/8"	5/8" x 3/4", 3/4"	1"
		Tubing Size	3/4"	3/4"	1"

JONES Meter Valves 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.

\*See charts on pages 4-5 for tubing and pipe that may be used with these connections.

**Iron Yoke Angle Meter Valves**



**E-6417WSG**



**E-6417W**



**E-6416W**

Part Number	Description	Size			
		Catalog Size	Meter Size	Tubing Size	
E-6417WSG	Jones® 110 Conductive Compression Connection (Super Grip) for CTS PE* tubing x lock nut with lockwing.	5/8x3/4	5/8x3/4x3/4	1	
		5/8	5/8x3/4, 3/4	1	
		3/4	3/4	1	
E-6417W	Pack Joint Connection for CTS O.D* tubing x lock nut with lockwing.	5/8 x 3/4"	5/8x3/4x3/4	1	
		5/8	5/8x3/4, 3/4	1	
		3/4"	3/4	1	
E-6416W	F.I.P. x lock nut with lockwing.	5/8x3/4	5/8x3/4x3/4	1	
		5/8	5/8x3/4, 3/4	1	
		3/4	3/4	1	

**Iron Yoke Couplings**



**E-6220**



**E-6231DSG**

Part Number	Description	Size	
		Catalog Size	Meter Size
E-6220	Straight coupling F.I.P x locknut	1	1
		1	1
		1	1
E-6231DSG	Quarter bend coupling Jones 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing x lock nut.	5/8x3/4x3/4	5/8x3/4, 3/4
		5/8x3/4, 3/4	3/4
		3/4	

JONES Valves and Connections 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.

\*See charts on pages 4-5 for tubing and pipe that may be used with these connections.

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## 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 PVC 110 Compression and Pack Joint Connections Note: Pipe Liners are not required for type "K" soft/annealed copper tubing.	3/4"
J-2810	Pipe Liner for use with IPS PE Jones® 110 Compression and Pack Joint Connections	3/4" 1"

## Tubeing, pipe and liners used with Jones 110 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
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	506134J
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 tubeing per ASTM B88

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

IPS polyethylene (PE) per ASTM D-2239 - PE SIDR-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 - inches	Tubing or pipe wall thickness range - inches	Tubing or pipe I.D. range - inches	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	1.121 - 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.Jones® 110	0.118 - 0.138	0.809 - 0.834	505141J
	3/4" Sch. 40 PVC	1.045 - 1.Jones® 110	0.113 - 0.133	0.780 - 0.828	509759J
	3/4" Sch. 80 PVC	1.045 - 1.Jones® 110	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 SIDR-7  
 IPS polyvinylchloride (PVC) per ASTM D1785

**Pack Joint Connection Kit**

Part Number	Description	Size	Connection Kit
Pack Nut 3/4	Pack Joint Connection Kit for CTS O.D.* tubing	3/4" CTS	681921J
Pack Nut 1	Pack Joint Connection Kit for CTS O.D.* tubing	1" CTS	681922J
Pack Nut 1-1/2	Pack Joint Connection Kit for CTS O.D.* tubing	1-1/2" CTS	681923J
Pack Nut 2	Pack Joint Connection Kit for CTS O.D.* tubing	2" CTS	681924J
Pack Nut 1-1/2 Jones	Pack Joint Connection Kit for CTS O.D.* tubing with CS thread	1-1/2" CTS	-
Pack Nut 2 Jones	Pack Joint Connection Kit for CTS O.D.* tubing with CS thread	2" CTS	-



Rev. 12-14 Shaded area indicates change

## Equipment and Tools



### Brass Hammer

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

CATALOG NUMBER: **J-18025**



### Copper flare nut

CATALOG NUMBER: **J-15430**

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
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### 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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### Flaring tool

Used to make 45° flare on  
type "K" copper tubing.

CATALOG NUMBER: **J-18000**

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

3/4"	1"
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### Reamer

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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**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.