

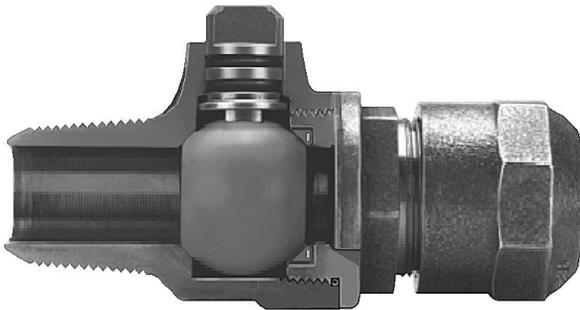
General Information

1. All Jones Corporation Stops are manufactured in accordance with the AWWA Standard C-800-latest revision.
 - Copper Alloy CDA No. 89833 (Low Lead)
 - Copper Alloy CDA No. C83600 (85-5-5-5)*
 - NSF 61 Certified.
2. Maximum pressure rating:

- Ball	3/4" - 2" valves	300psi
- Ground Key	3/4" - 1" valves	100psi
	1-1/2" - 2" valves	80psi
3. All Jones Corporation Stops are tested individually.
4. Pipe wrenches should NEVER be used to install service brass products.
5. Use only smooth jawed adjustable wrench on the flats provided nearest the thread being made up.
6. It is recommended that all pressure testing be done prior to backfilling.
7. Replacement components are available from your Jones distributor.
8. Box quantities are located in the Trade Net Sheet.

**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.*

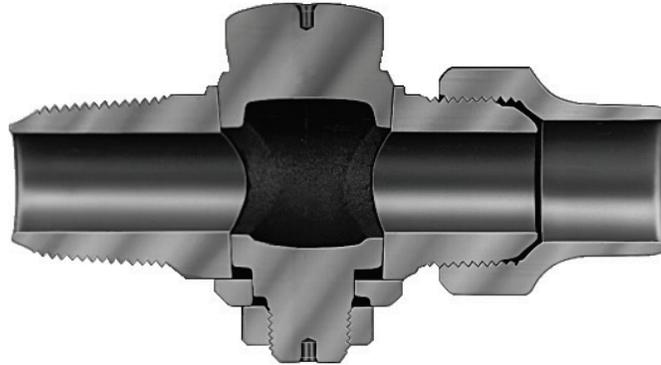
Ball Type Corporation Valves



- BLOW-OUT PROOF STEM DESIGN - prevents separation and assures dependable, safe operation.
- HEAVY BRASS COMPONENTS - are constructed of ASTM 584 low lead brass for strength and durability.
- STRAIGHT-DESIGN - allows maximum flow with minimum pressure loss.
- MANUFACTURED AND TESTED - to ANSI/AWWA C800 standard.
- 300 PSIG - maximum working pressure.
- DOUBLE O-RING STEM SEALS - are supported in precision machined grooves and provide secure, leak tight sealing.
- INLET THREADS - are either AWWA taper or AWWA iron pipe.
- STAINLESS STEEL REINFORCED SEATSEAL - assures reliable seal under full flow and pressure.
- END PIECE O-RING - provides secondary seal to prevent leakage.
- EXTRA STRONG - key to ball connection provides strong, reliable performance and resists breakage.
- OUTLETS - include copper flare connection, Jones[®] 110 Compression Connection (Super Grip), Pack Joint Connection and iron pipe thread connections.
- STEM ROTATION - full 360 degree.
- FLUOROCARBON COATED BALL - ensures smooth, easy turning operation.

**See charts on pages 8-9 for tubing and pipe that may be used with these connections.*

Ground Key Design Corporation Valves



- BODY AND KEY - is cast from ASTM 584 low lead brass alloy for strength and corrosion resistance.
- OUTLETS - include copper flare connection, Jones[®] 110 Compression Connection (Super Grip), Pack Joint Connection and iron pipe thread connections.
- INLET THREADS - are either AWWA taper thread or AWWA iron pipe thread.
- MANUFACTURED AND TESTED - to ANSI/AWWA C800 Standard.
- KEY AND BODY - are precision machined to assure sealing surfaces match.
- STRAIGHT THROUGH DESIGN - allows maximum flow with minimum pressure loss.
- 100 PSIG - maximum working pressure for 1/2," 3/4" and 1" sizes. 80 PSIG - maximum working pressure for 1-1/4", 1-1/2" and 2" sizes.
- "D" SHAPED WASHER - turns with key to prevent loosening of key nut.
- KEY NUT - is designed so overtightening will strip stem threads instead of breaking stem.

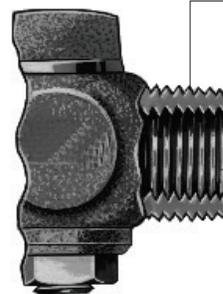
Corporation valve inlet threads

Jones[®] Screw plug thread

- AWWA taper thread.



- AWWA iron pipe thread.



- Increasing I.P. thread is one size larger than inlet.

- Screw plug thread is same nominal size as inlet

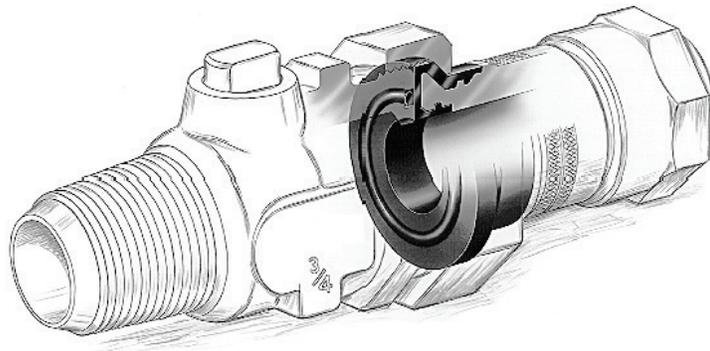
*See charts on pages 8-9 for tubing and pipe that may be used with these connections.

Insulated Water Service Line Products

- Insulated Products are the simple, cost effective and reliable way to help address the problems associated with stray electrical currents on metallic water piping - either in new installations, or to retrofit existing lines.
- Insulated products are available for use in many different locations along the service line allowing a style to be selected which can help to control stray currents, yet minimizes the need for changes to system specifications, installation procedures, or training programs. Jones incorporates a nylon insulator that is structurally supported by specially shaped low lead brass parts. This results in a strong union that will withstand the

mechanical forces and stresses encountered in water distribution systems, and that effectively stops the flow of electrical current at the point of installation. For buried installations, the insulator and adjacent piping must be wrapped at least 3 feet in both directions from the insulator to prevent stray currents from traveling through the soil around the insulator. All wrapping should be in accordance with wrapping manufacturer's instructions; ANSI/AWWA C209 Standard for Cold-Applied Coatings for the exterior of special sections, connections, and fittings for steel water pipelines; and ANSI/AWWA C105/A21.5 Standard for Polyethylene Encasement for Ductile Iron Pipe Systems.

**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.*



- ASTM B584 LOW LEAD BRASS PARTS - designed to absorb tensile and bending forces from piping.
- INSULATOR SKIRT - is extra long to resist electrical bridging or shorting.
- NYLON INSULATOR - has high dielectric, compressive and impact strength. It is inert, and recommended for water service applications. Design capitalizes on nylon's superior strength under compression.
- BEVELED FLANGE increases compressive bearing area for added strength. Design assures reliable seal between nylon and low lead brass tailpiece.
- O-RING SEAL - is retained in groove if tailpiece is removed to prevent O-ring loss; assures positive seal in union.
- CONVENIENCE AND RELIABILITY - the convenience of a union and an insulator in one product. Reliability proven by more than 35-years use of similar Mueller design in natural gas distribution industry.

**See charts on pages 8-9 for tubing and pipe that may be used with these connections.*

SECTION 1 – Corporation Valves

JONES®

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Ball Type Corporation Valves



E-1944



E-1943



E-1932



E-1931



E-1930

Part Number	Description	Sizes
E-1944	Inlet: AWWA taper thread Outlet: M.I.P. thread	3/4" 1" 1-1/2" 2"
E-1943	Inlet: M.I.P. thread Outlet: M.I.P. thread	3/4" 1" 1-1/2" 2"
E-1932	Inlet: AWWA taper thread Outlet: F.I.P. thread	3/4" 1" 1-1/2" 2"
E-1931	Inlet: M.I.P. thread Outlet: F.I.P. thread	3/4" 1" 1-1/2" 2"
E-1930	Inlet: AWWA taper thread Outlet: Copper flare straight connection	3/4" 1" 1-1/2" 2"



E-1929



E-1937SG



E-1938SGP



E-1935SG



E-1936SGP

Part Number	Description	Sizes
E-1929	Inlet: M.I.P. thread Outlet: Copper flare straight connection	3/4" 1" 1-1/2" 2"
E-1937SG	Inlet: AWWA taper thread Outlet: Jones® 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing	3/4" 1" 1-1/2" 2"
E-1938SGP	Inlet: AWWA taper thread Outlet: Jones® 110 Compression Connection (Super Grip) for IPS PE* pipe. <i>Note: 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1"
E-1935SG	Inlet: M.I.P. thread Outlet: Jones® 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing	3/4" 1" 1-1/2" 2"
E-1936SGP	Inlet: M.I.P. thread Outlet: Jones® 110 Compression Connection (Super Grip) for IPS PE* pipe. <i>Note: 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1"



E-1985



E-1936



E-1937



E-1935



E-1938

Part Number	Description	Sizes
E-1985	Inlet: AWWA taper thread Outlet: Pack Joint Connection for IPS PVC* pipe	3/4" 1" 1-1/2" 2"
E-1936	Inlet: M.I.P. thread Outlet: Pack Joint Connection for IPS PE* pipe. <i>Note: 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1" 1-1/2" 2"
E-1937	Inlet: AWWA taper thread Outlet: Pack Joint Connection for CTS O.D* tubing	3/4" 1" 1-1/2" 2"
E-1935	Inlet: M.I.P. thread Outlet: Pack Joint Connection for CTS O.D* tubing	3/4" 1" 1-1/2" 2"
E-1938	Inlet: AWWA taper thread Outlet: Pack Joint Connection for IPS PE* pipe <i>Note: 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1" 1-1/2" 2"

JONES Corporation 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 8-9 for tubing and pipe that may be used with these connections.

Ball Type Corporation Valves cont.



E-1977



E-1953



E-1954



E-1955

Part Number	Description	Sizes
E-1977	Inlet: M.I.P. thread Outlet: Pack Joint Connection for IPS PVC* pipe	3/4" 1" 1-1/2" 2"
E-1953	Inlet: M.I.P. Thread Outlet: Flared Copper, Tee Head	1-1/2" 2"
E-1954	Inlet: AWWA taper thread Outlet: Flared Copper, Tee Head	1-1/2" 2"
E-1955	Inlet: M.I.P. Thread Outlet: M.I.P. Thread, Tee Head	1-1/2" 2"



E-1956



E-1957



E-1959



E-1961

Part Number	Description	Sizes
E-1956	Inlet: AWWA taper thread Outlet: M.I.P. Thread, Tee Head	1-1/2" 2"
E-1957	Inlet: M.I.P. Thread Outlet: Jones [®] 110 Conductive Compression Connection (Super Grip) for TUBE PLASTIC or Copper Tubing, Tee Head	1-1/2" 2"
E-1959	Inlet: AWWA taper thread Outlet: 110 Compression Connection for TUBE SIZE PLASTIC or Copper Tubing, Tee Head	1-1/2" 2"
E-1961	Inlet: M.I.P. Thread Outlet: F.I.P. Thread, Tee Head	1-1/2" 2"

Fittings are available in Super Grip by adding SG to the J-number - except 1-1/2" and 2" pipe size.

Insulated Ball Type Corporation Valves



E-1991



E-1993

Part Number	Description	Sizes
E-1991	Inlet: M.I.P. thread Outlet: Jones [®] 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing	3/4" 1"
E-1993	Inlet: M.I.P. thread Outlet: F.I.P. thread	3/4" 1"

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**See charts on pages 8-9 for tubing and pipe that may be used with these connections.*

SECTION 1 – Corporation Valves

JONES®

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Ground Key Corporation Valves



E-3401SG



E-3403SG



E-3404SGP



E-3401

Part Number	Description	Sizes
E-3401SG	Inlet: AWWA taper thread Outlet: Jones® 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing	3/4" 1"
E-3403SG	Inlet: M.I.P. thread Outlet: Jones 110 Conductive Compression Connection (Super Grip) for soft/annealed copper and CTS PE* tubing	3/4" 1"
E-3404SGP	Inlet: M.I.P. thread Outlet: Jones 110 Compression Connection (Super Grip) for IPS PE* pipe <i>Note: 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1"
E-3401	Inlet: AWWA taper thread Outlet: Pack Joint Connection for CTS O.D* tubing	3/4" 3/4"x1" 1"



E-3402SGP



E-3403



E-3402



E-3404

Part Number	Description	Sizes
E-3402SGP	Inlet: AWWA taper thread Outlet: Jones 110 Compression Connection (Super Grip) for IPS PE* pipe <i>Note: 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1"
E-3403	Inlet: M.I.P. thread Outlet: Pack Joint Connection for CTS O.D* tubing	3/4" 3/4"x1" 1"
E-3402	Inlet: AWWA taper Outlet: Pack Joint Connection for IPS PE* pipe <i>Note: 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1"
E-3404	Inlet: M.I.P. thread Outlet: Pack Joint Connection for IPS PE* pipe <i>Note: 1" can be used on 1-1/4" soft/annealed copper tubing.</i>	3/4" 1"



E-45



E-41



E-51



E-50

Part Number	Description	Sizes
E-45	Inlet: AWWA taper Outlet: M.I.P. thread	3/4" 1" 1-1/2" 2"
E-41	Inlet: M.I.P. thread Outlet: M.I.P. thread	3/4" 1" 1-1/4"
E-51	Inlet: AWWA taper Outlet: F.I.P. thread	3/4" 1"
E-50	Inlet: M.I.P. thread Outlet: F.I.P. thread	3/4" 1"

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*See charts on pages 8-9 for tubing and pipe that may be used with these connections.

Ground Key Corporation Valves



E-89



E-1500



E-1505



E-1504

Part Number	Description	Sizes
E-89	Inlet: AWWA taper thread Outlet: Increasing M.I.P. thread (outlet is one size larger than inlet)	3/4" 1" 1-1/2" 2"
E-1500	Inlet: AWWA taper thread Outlet: Copper flare straight connection	3/4" 1"
E-1505	Inlet: M.I.P. thread Outlet: Copper flare straight connection	3/4" 1"
E-1504	Inlet: M.I.P. thread Outlet: Copper flare quarter bend connection	3/4" 1"

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*See charts on pages 8-9 for tubing and pipe that may be used with these connections.

SECTION 1 – Corporation Valves

JONES®

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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 (Super Grip) <i>Note: Pipe Liners are not required for type "K" soft/annealed copper tubing.</i>	3/4" 1" 1-1/2" 2"
J-2808	Pipe Liner for use with CTS O.D. Pack Joint Connection <i>Note: Pipe Liners are not required for type "K" soft/annealed copper tubing.</i>	3/4" 1" 1-1/2" 2"
J-2809	Pipe Liner for use with PVC Pack Joint Connections <i>Note: Pipe Liners are not required for type "K" soft/annealed copper tubing.</i>	3/4"
J-2810	Pipe Liner for use with IPS PE Jones® 110 Compression (Super Grip) and Pack Joint Connections	3/4" 1"

Tubing, 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	504201J
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 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

JONES Corporation 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 8-9 for tubing and pipe that may be used with these connections.

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	1.21 - 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

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	-



JONES Corporation 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 8-9 for tubing and pipe that may be used with these connections.

SECTION 1 – Corporation Valves

JONES®

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Drilling and Tapping information for Corporation Valves having a Jones® 110 Compression Connection (Super Grip) outlet

Valve size (nominal) (If two numbers: Inlet x Outlet)		1/2"	3/4"		3/4" x 1"		1"		1-1/2"	2"
		CTS	CTS	IPS PE	CTS	IPS PE	CTS	IPS PE	CTS	CTS
Maximum size drill or shell cutter	AWWA IP	7/16"	11/16"	11/16"	11/16"	11/16"	7/8"	7/8"	1-7/16"	1-3/4" ^{max}
	CC (AWWA taper)	7/16"	11/16"	11/16"	11/16"	11/16"	15/16"	15/16"	1-7/16"	1-15/16" ^{max}
Mega-Cut™/E-5 machine adapter nipple		63796	52019	508919	36750	508920	36750	508920	501949	508199
D-5 machine adapter nipple		37900	37902	508917	37903	508918	37903	508918	597644	507645
Tru-Cut/PL-2 machine adapter nipple for use on 1.125" max. wall PVC		-	507632	509050	507633	509051	507633	509051	-	-
Combined drill and tap size		1/2"	3/4"		3/4"		1"		1-1/2"	2"
B-101/B-100 inserting tool		680598	680600	680688	680601	680689	680601	680689	680421	680422
A-3 inserting tool		-	-	-	-	-	680601	680689	680421	680422

*Ball Corporation valves IP and CC inlet: 1-7/8" maximum.

Drilling and Tapping information for Corporation Valves having a Pack Joint Connection outlet

Valve size (nominal) (If two numbers: Inlet x Outlet)		3/4"		3/4" x 1"		1"		1-1/2"			2"		
		CTS	IPS	CTS	IPS	CTS	IPS	CTS	IPS PE	IPS	CTS	IPS PE	IPE PVC
Maximum size drill or shell cutter	AWWA IP	11/16"	-	11/16"	-	7/8"	-	1-7/16"	1-7/16"	-	1-3/4" ^{max}	1-3/4" ^{max}	-
	CC (AWWA taper)	11/16"	-	11/16"	-	15/16"	-	1-7/16"	1-7/16"	-	1-15/16" ^{max}	1-15/16" ^{max}	-
Mega-Cut™/E-5 machine adapter nipple		52019	508919	36750	682256	36750	682256	501949	508199**	682257	508199	682258	682258
D-5 machine adapter nipple		37902	508917	37903	682259	37903	682259	507644	507645**	682033	507645	682034	682034
Tru-Cut/PL-2 machine adapter nipple for use on 1.125" max. wall PVC		507632	509050	507633	509050	507633	509051	-	-	-	-	-	-
Combined drill and tap size		3/4"		3/4"		1"		1-1/2"			2"		
B-101/B-100 inserting tool		680600	-	680601	680609	-	-	-	-	-	-	-	-
A-3 inserting tool		-	-	-	-	680601	680689	680421	-	-	680422	-	-

*Ball Corporation valves IP and CC inlet: 1-7/8" maximum.

Drilling and Tapping information for Corporation Valves having a Copper Flare Connection outlet

Valve size (nominal) (If two numbers: Inlet x Outlet)		1/2"	1/2" x 3/4"	5/8" x 3/4"	3/4"	3/4" x 1"	1"	1-1/4"	1-1/2"	2"
		Maximum size drill or shell cutter	AWWA IP	7/16"	7/16"	9/16"	11/16"	11/16"	7/8"	1-1/8"
CC (AWWA taper)	7/16"		7/16"	9/16"	11/16"	11/16"	15/16"	1-3/16"	1-7/16"	1-15/16"
Mega-Cut™/E-5 machine adapter nipple		63796	52019	52019	52019	36750	36750	682256	501947	508201
D-5 machine adapter nipple		37900	37902	37902	37902	37903	37903	682259	37905	37906
Tru-Cut/PL-2 machine adapter nipple for use on 1.125" max. wall PVC		-	-	-	507632	507633	507633	-	-	-
Combined drill and tap size		1/2"	1/2"	5/8"	3/4"	3/4"	1"	1-1/4"	1-1/2"	2"
B-101/B-100 inserting tool		680598	680600	680600	680600	680601	680601	-	-	-
A-3 inserting tool		-	-	-	-	-	680601	680602	88640	88641

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*See charts on pages 8-9 for tubing and pipe that may be used with these connections.

Drilling and Tapping information for Corporation Valves having a Female I.P. thread outlet

Valve size (nominal) (If two numbers: Inlet x Outlet)		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Maximum size drill or shell cutter	AWWA IP	7/16"	11/16"	7/8"	1-1/8"	1-7/16"	1-3/4"
	CC (AWWA taper)	7/16"	11/16"	15/16"	-	1-7/16"	1-15/16"
Mega-Cut / E-5 machine adapter nipple		36967	36920	36918	36733	503435	78907
D-5 machine adapter nipple		-	33556	36323	36195	36196	36188
Tru-Cut / PL-2 machine adapter nipple for use on 1.125" max wall PVC		-	538275	538276	-	-	-
Combined drill and tap size		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
B-101/B-100 inserting tool		680630	680631	680632	-	-	-
A-3 inserting tool		-	-	680632	61212	61213	61214

Drilling and Tapping information for Corporation Valves having a Male I.P. thread outlet

Valve size (nominal) (If two numbers: Inlet x Outlet)		3/4"	1"	1-1/4"	1-1/2"	2"
Maximum size drill or shell cutter	IP	11/16"	7/8"	1-1/8"	1-7/16"	1-3/4"
	CC (AWWA taper)	11/16"	15/16"	-	1-7/16"	1-15/16"
Mega-Cut / E-5 machine adapter nipple		36919	36917	36928	501948	508200
D-5 machine adapter nipple		36910	36911	36912	36913	36525
Tru-Cut / PL-2 machine adapter nipple for use on 1.125" max wall PVC		507630	507631	-	-	-
Combined drill and tap size		3/4"	1"	1-1/4"	1-1/2"	2"
B-101/B-100 inserting tool		36910	36911	36912	36913	36525
A-3 inserting tool		-	680596	680597	83065	83066

Drilling and Tapping information for Corporation Valves having an increasing Male I.P. thread outlet

Valve size (nominal) (If two numbers: Inlet x Outlet)		1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"
Maximum size drill or shell cutter	IP	7/16"	9/16"	3/4"	15/16"	-	1-7/16"	1-3/4"
	CC (AWWA taper)	7/16"	9/16"	11/16"	15/16"	1"	1-7/16"	1-15/16"
Mega-Cut / E-5 machine adapter nipple		36919	36919	36917	36928	501948	508200	-
D-5 machine adapter nipple		-	-	36911	36912	36913	36525	36526
Combined drill and tap size		1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"
B-101/B-100 inserting tool		680595	680595	680596	680597	-	-	-
A-3 inserting tool		-	-	-	680597	83065	83066	83157

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*See charts on pages 8-9 for tubing and pipe that may be used with these connections.

SECTION 1 – Corporation Valves

JONES®

a MUELLER brand

Corporation Valves Parts and Accessories



J-1860



J-1553



J-15535



J-15540N



J-10048

Part Number	Description	Sizes
J-1860	Flaring Tool - Used to make 45°	1/2" 5/8" 3/4" 1" 1-1/4" 1-1/2" 2"
J-1553	Copper flare nut	1/2" 3/4" 1" 1-1/4" 1-1/2" 2"
J-15535	Solid Copper Disc - Used with regular copper flare nut to shut off line.	1/2" 3/4" 1" 1-1/4" 1-1/2" 2"
J-15540N	Brass Cap - Fits on copper flare spud to cap off line	3/4" 1"
J-10048	Corporation Valve Wrench - For operating up to and including 1" corporation valves.	-



J-18010



J-18005



J-18025

Part Number	Description	Sizes
J-18010	Reamer - Used to ream the inside of type "K" copper tubing to remove burs prior to flaring	1/2" 3/4" 1"
J-18005	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	3/4" 1"
J-18025	Brass Hammer - Solid brass head with 10" wooden handle - Weight 2-3/4 lbs.	-

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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