

Mueller AUTOPERF Tees provide a fast economical way to make a main-to-service connection.

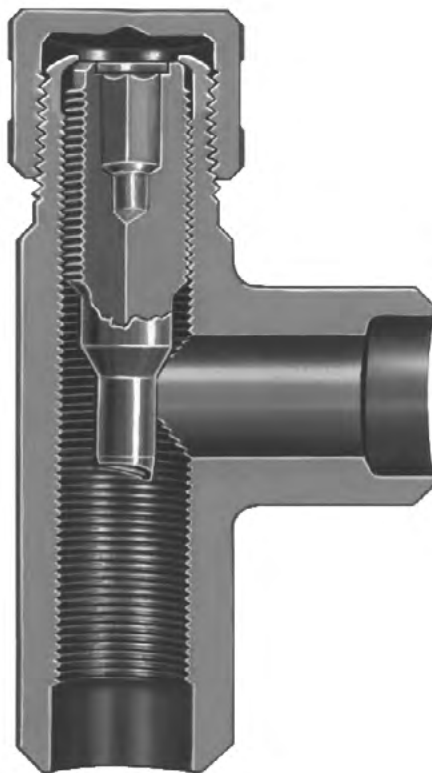
These products have a self contained, one piece, hardened perforator that is used to cut a hole in the main to initiate service. This eliminates the need for drilling machines and control valves.

The perforator retains the pipe coupon and also functions as a shut-off.

Installation is fast and simple using proven Mueller® NO-BLO® methods and tools.

Mueller AUTOPERF Tees are available with several popular inlet/outlet combinations.

Mueller AUTOPERF Forged Steel Tee Features



- COMPLETION CAP** – made of steel and provides a secondary seal.
- TOP OF TEE BODY** - can be crimped to prevent unintentional removal of the perforator.
- HARDENED HEX SOCKET** - prevents distortion.
- TIP DESIGN** – formed with helices to reduce torque for easier operation. Inside of tip is machined to retain pipe coupon.
- FORGED STEEL BODY** – provides strength and eliminates porosity.
- PERFORATOR** – heat treated for maximum strength. The threads are lubricated with a dry film lubricant to assure smooth operation. The perforator is also designed to function as a shut-off.
- PRECISION MACHINED THREADS** - provide perforator support throughout the length of the body.

Rev. 12-06 Shaded area indicates changes

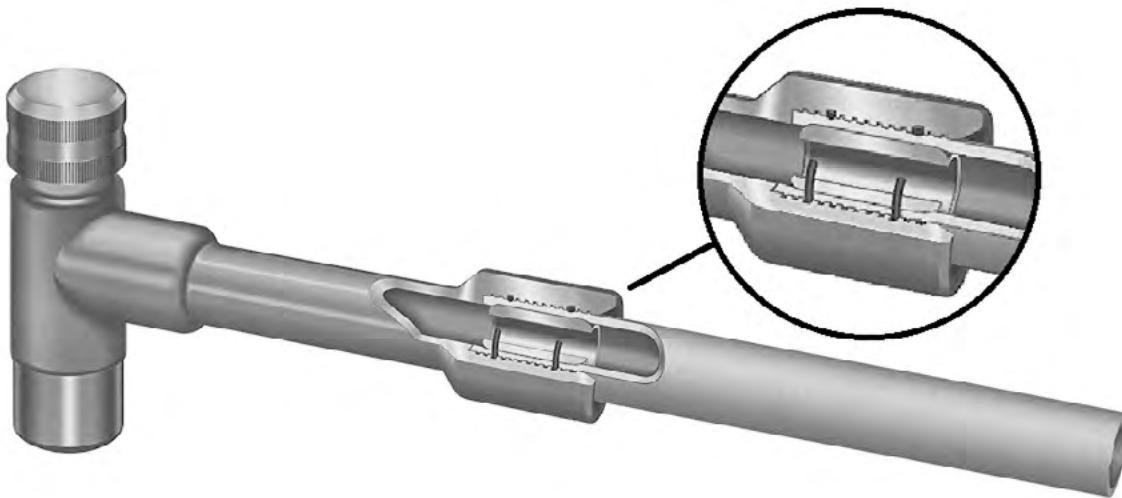
Mueller AUTOPERF Transition Tees are designed to give you dependable connections from steel gas mains to plastic service lines. These tees are available in a wide range of sizes and inlet/outlet combinations.

Because our transition tees are assembled and permanently joined under controlled conditions, much of the potential for human error is eliminated, with no loose parts or on-site assembly required during installation.

With Mueller AUTOPERF Tees the perforator retains the pipe coupon and also functions as a shut-off.

Installation is fast and simple using proven Mueller NO-BLO® Methods and Tools.

Mueller AUTOPERF Transition Tee Features



- COMPLETION CAP** – made of steel and provides a secondary seal.
- TRANSITION CONNECTION** – exceeds the hydrostatic burst pressure and tensile strength of polyethylene pipe.
- O-RING SEALED TRANSITION CONNECTION**
- MULTIPLE PIGTAIL CHOICES** – available in medium or high density polyethylene pigtails in CTS or IPS pipe sizes. Extra pigtail length allows more than one fusion connection attempt if needed.
- FUSION EPOXY COATING** – resists corrosion.
- CONFORMS** to ASTM D638 and DOT192.283.



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MUELLER® AUTOPERF® TEE WELD x WELD - 5/16" TIP

Rev. 10-21 Shaded area indicates changes

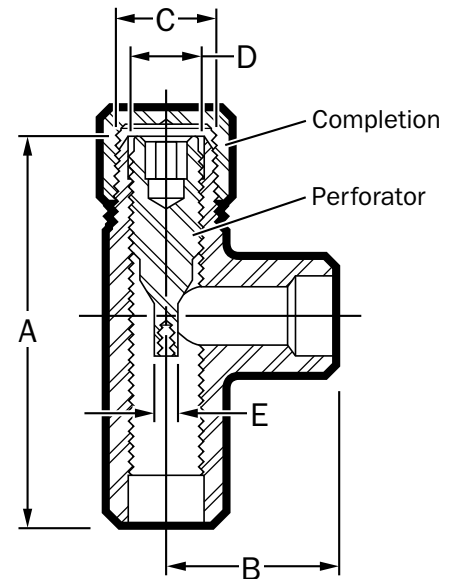
- Catalog number – **H-18101**
- Sizes* – 1/2" x 1/2", 3/4" x 3/4", 3/4" x 1"
- Forged Steel Body ASTM A105
- Steel Completion Cap AISI 12L14
- Steel Perforator specially heat treated - 5/16" tip
- Weld inlet
- Outlet prepared for butt weld same size as outlet and socket weld one size smaller than outlet
- 1/2" x 1/2" have a 3/4" fillet-style weld outlet
- 1440** psig (9930 kPa)



H-18101

Dimensions

Dimensions	Size* of AUTOPERF Tee		
	1/2" x 1/2"	3/4" x 3/4"	3/4" x 1"
A	3-3/4"	4"	4"
B	1-3/4"	1-3/4"	2-1/2"
C	3/4"	1"	1"
D	37/64"	49/64"	49/64"
E	5/16"	5/16"	5/16"
Perforator Tip size / hex drive size	5/16" / .317"	5/16" / .317"	5/16" / .317"
Maximum wall thickness of pipe that perforator will cut	.281"	.281"	.281"



Replacement Parts

Replacement Parts	Size* of AUTOPERF Tee		
	1/2" x 1/2"	3/4" x 3/4"	3/4" x 1"
Completion Cap	525387	502199	502199
Perforator	505924	505204	505204

No additional lubrication of any kind is needed to prepare the perforator for use before installation.

*First size is size of inlet, second is size of outlet.

**This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

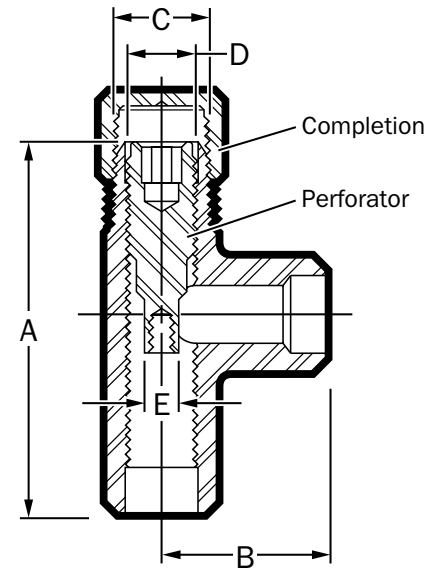
- Catalog number – **H-18102**
- Sizes* – 1/2" x 1/2", 3/4" x 3/4", 3/4" x 1"
- Forged Steel Body ASTM A105
- Steel Completion Cap AISI 12L14
- Steel Perforator specially heat treated - 3/8" tip
- Weld inlet
- Outlet prepared for butt weld same size as outlet and socket weld one size smaller than outlet
- 1/2" x 1/2" have a 3/4" fillet-style weld outlet
- 1440** psig (9930 kPa)



H-18102

Dimensions

Dimensions	Size* of AUTOPERF Tee		
	1/2" x 1/2"	3/4" x 3/4"	3/4" x 1"
A	3-3/4"	4"	4"
B	1-3/4"	1-3/4"	2-1/2"
C	3/4"	1"	1"
D	37/64"	49/64"	49/64"
E	3/8"	3/8"	3/8"
Perforator Tip size / hex drive size	3/8" / .385"	3/8" / .385"	3/8" / .385"
Maximum wall thickness of pipe that perforator will cut	.250"	.281"	.281"



Replacement Parts

Replacement Parts	Size* of AUTOPERF Tee		
	1/2" x 1/2"	3/4" x 3/4"	3/4" x 1"
Completion Cap	525387	502199	502199
Perforator	505925	505205	505205

No additional lubrication of any kind is needed to prepare the perforator for use before installation.

*First size is size of inlet, second is size of outlet.

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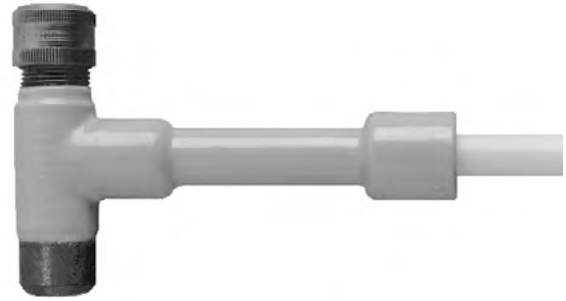
6.6



MUELLER® AUTOPERF® TRANSITION TEE WELD x FUSION - 5/16" or 3/8" TIP

Rev. 12-08 Shaded area indicates changes

- Catalog number – **H-18104**
- Sizes* – 1/2" x 1/2" MD CTS
 - 3/4" x 1/2" MD CTS
 - 3/4" x 1/2" HD CTS
 - 3/4" x 1/2" MD IPS
 - 3/4" x 1/2" HD IPS
 - 3/4" x 3/4" MD CTS
 - 3/4" x 3/4" MD IPS
 - 3/4" x 3/4" HD IPS
 - 3/4" x 1" MD CTS
 - 3/4" x 1" MD IPS
 - 3/4" x 1" HD IPS

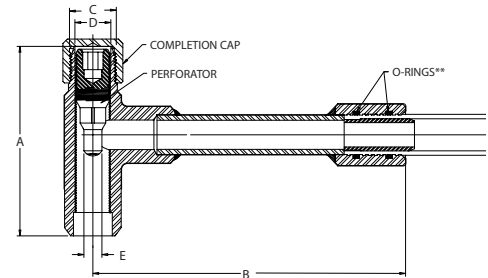


H-18104

- Conforms to ASTM D638 and DOT192.285
- Forged Steel Body ASTM A105
- Steel Completion Cap AISI 12L14
- Shell Perforator specially heat treated - 5/16" or 3/8" tip (see dimension "E" in chart below)
- Fusion epoxy coating resists corrosion

Dimensions

Dimensions	Size* of AUTOPERF Tee			
	1/2" x 1/2"	3/4" x 1/2"	3/4" x 3/4"	3/4" x 1"
A	3-3/4"	4"	4"	4"
B	6-11/16"	6-1/2"	6-3/4"	7"
C	1/2"	3/4"	3/4"	3/4"
D	37/64"	49/64"	49/64"	49/64"
E	5/16"	3/8"	3/8"	3/8"
Perforator Tip size / hex drive size	5/16" / .317"	3/8" / .385"	3/8" / .385"	3/8" / .385"
Maximum wall thickness of pipe that perforator will cut	.281"	.281"	.281"	.281"



Replacement Parts

Replacement Parts	Size* of AUTOPERF Tee			
	1/2" x 1/2"	3/4" x 1/2"	3/4" x 3/4"	3/4" x 1"
Completion Cap	503142	502199	502199	502199
Perforator	505924	505205	505205	505205

No additional lubrication of any kind is needed to prepare the perforator for use before installation.

*First size is size of inlet, second is size of outlet.

**MUELLER® AUTOPERF® TEE
WELD x 1/2" MUELLER 112® - 5/16" TIP**



6.7

Shaded area indicates change Rev. 12-12

- Catalog number – **H-18194**
- Sizes* – 1/2" x 5/8"
- Forged Steel Body ASTM A105
- Steel Completion Cap AISI 12L14
- Steel Perforator specially heat treated - 5/16" tip
- Weld inlet
- Mueller 112® Compression Connection Fittings are rated Category 1 for PE pipe
- Mueller 112® Compression Connection outlet for 1/2" CTS plastic tubing - furnished with insert for .090" wall tubing
- 100** psig (689 kPa)

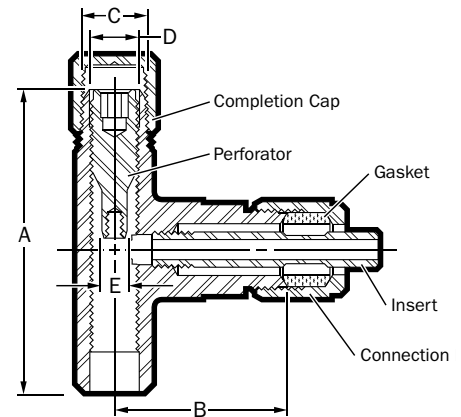


H-18194

Note: Other tees with 112 outlet are shown on pages 6.10 and 6.11

Dimensions

Dimensions	Size* of AUTOPERF Tee
	1/2" x 5/8"
A	3-3/4"
B	2-9/64"
C	3/4"
D	37/64"
E	5/16"
Perforator Tip size / hex drive size	5/16" / .317"
Maximum wall thickness of pipe that perforator will cut	.281"



Replacement Parts

Replacement Parts	Size* of AUTOPERF Tee
	1/2" x 5/8"
Completion Cap	503142
Perforator	505924

No additional lubrication of any kind is needed to prepare the perforator for use before installation.

*First size is size of inlet, second is size of outlet.

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Rev. 12-12 Shaded area indicates changes

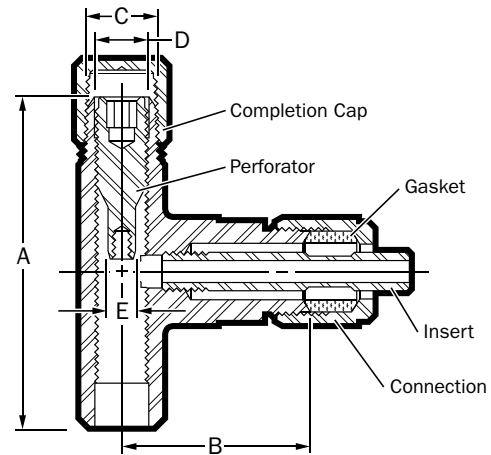
- Catalog number – **H-18196**
- Sizes* – 1/2" x 5/8"
- Forged Steel Body ASTM A105
- Steel Completion Cap AISI 12L14
- Steel Perforator specially heat treated - 5/16" tip
- Weld inlet
- Mueller 110® Compression Connection Fittings are rated Category 1 for PE pipe
- Mueller 110 Compression Connection outlet for 5/8" O.D. CTS plastic tubing - furnished with insert for .090" wall tubing
- 125** psig (862 kPa)



H-18196

Dimensions

Dimensions	Size* of AUTOPERF Tee
	1/2" x 5/8"
A	3-3/4"
B	2-9/64"
C	3/4"
D	37/64"
E	5/16"
Perforator Tip size / hex drive size	5/16" / .317"
Maximum wall thickness of pipe that perforator will cut	.281"



Replacement Parts

Replacement Parts	Size* of AUTOPERF Tee
	1/2" x 5/8"
Completion Cap	525386
Perforator	505924

*First size is size of inlet, second is size of outlet.

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**MUELLER® AUTOPERF® TEE
WELD x 5/8" MUELLER 110® - 3/8" TIP**

MUELLER

6.9

Shaded area indicates change Rev. 12-12

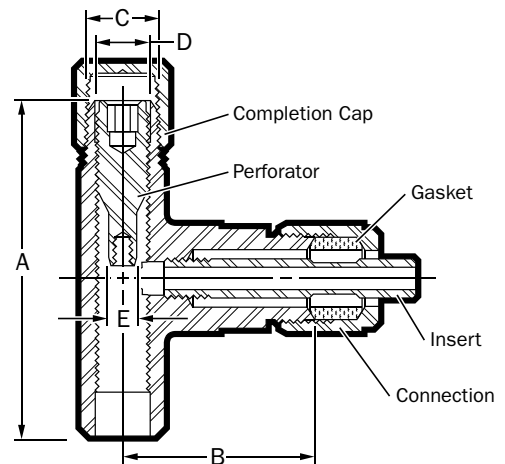
- Catalog number – **H-18197**
- Sizes* – 1/2" x 5/8"
- Forged Steel Body ASTM A105
- Steel Completion Cap AISI 12L14
- Steel Perforator specially heat treated - 3/8" tip
- Weld inlet
- Mueller 110® Compression Connection Fittings are rated Category 1 for PE pipe
- Mueller 110® Compression Connection outlet for 5/8" O.D. CTS plastic tubing - furnished with insert for .090" wall tubing
- 125** psig (862 kPa)



H-18197

Dimensions

Dimensions	Size* of AUTOPERF Tee
	1/2" x 5/8"
A	3-3/4"
B	2-9/64"
C	3/4"
D	37/64"
E	3/8"
Perforator Tip size / hex drive size	3/8" / .385"
Maximum wall thickness of pipe that perforator will cut	.281"



Replacement Parts

Replacement Parts	Size* of AUTOPERF Tee
	1/2" x 5/8"
Completion Cap	525386
Perforator	505925

No additional lubrication of any kind is needed to prepare the perforator for use before installation.

*First size is size of inlet, second is size of outlet.

**This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

6.10



MUELLER® AUTOPERF® TEE WELD x 1/2" MUELLER 112® - 3/8" TIP

Rev. 1-19 Shaded area indicates changes

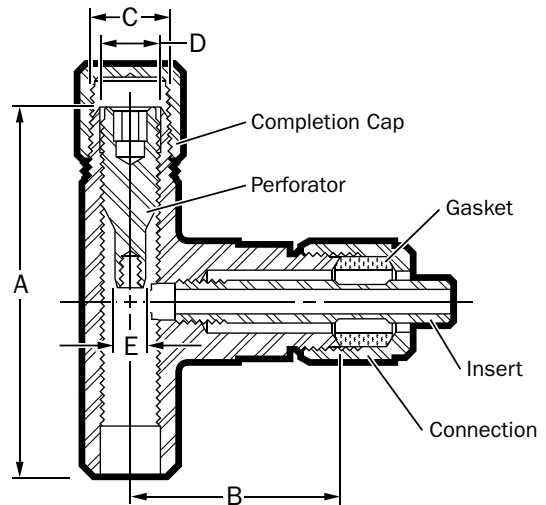
- Catalog number – **H-18198**
- Sizes* – 1/2" x 5/8"
- Forged Steel Body ASTM A105
- Steel Completion Cap AISI 12L14
- Steel Perforator specially heat treated - 3/8" tip
- Weld inlet
- Mueller 112® Compression Connection Fittings are rated Category 1 for PE pipe
- Mueller 112® Compression Connection outlet for 1/2" CTS plastic tubing - furnished with insert for .090" wall tubing
- 100** psig (689 kPa)



H-18198

Dimensions

Dimensions	Size* of AUTOPERF Tee
	1/2" x 5/8"
A	3-3/4"
B	2-9/64"
C	3/4"
D	37/64"
E	3/8"
Perforator Tip size / hex drive size	3/8" / .385"
Maximum wall thickness of pipe that perforator will cut	.250"



Replacement Parts

Replacement Parts	Size* of AUTOPERF Tee
	1/2" x 5/8"
Completion Cap	503142
Perforator	505925

*First size is size of inlet, second is size of outlet.

**This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

MUELLER® AUTOPERF® TEE
WELD x 5/8" MUELLER 112® - 3/8" TIP



6.11

Shaded area indicates change Rev. 1-19

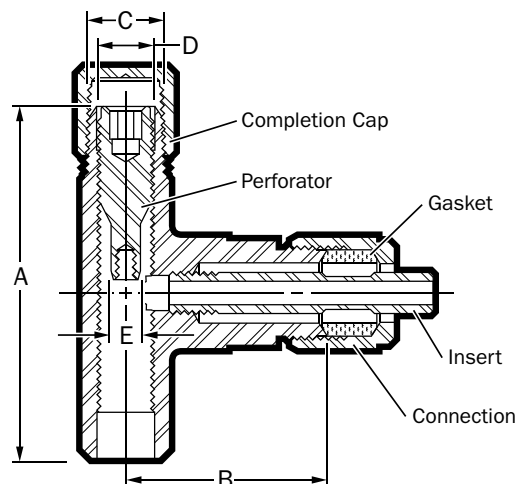
- Catalog number – **H-18702**
- Sizes* – 3/4" x 5/8"
- Forged Steel Body ASTM A105
- Steel Completion Cap AISI C12L14
- Steel Perforator specially heat treated - 3/8" tip
- Weld inlet
- Mueller 112® Compression Connection Fittings are rated Category 1 for PE pipe
- Mueller 112® Compression Connection outlet for 5/8" O.D. CTS plastic tubing - furnished with insert for .090" wall tubing
- 100** psig (689 kPa)



H-18702

Dimensions

Dimensions	Size* of AUTOPERF Tee
	3/4" x 5/8"
A	4"
B	3-15/32"
C	NPT
D	49/64"
E	.385"
Perforator Tip size / hex drive size	3/8" / .385"
Maximum wall thickness of pipe that perforator will cut	.281"



Replacement Parts

Replacement Parts	Size* of AUTOPERF Tee
	1/2" x 5/8"
Completion Cap	502199
Perforator	505205

No additional lubrication of any kind is needed to prepare the perforator for use before installation.

*First size is size of inlet, second is size of outlet.

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Rev. 12-06 Shaded area indicates changes

Mueller NO-BLO® Autoperf Operating Wrench

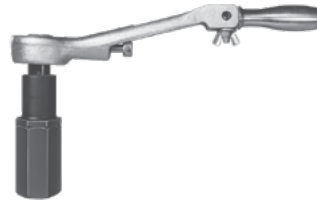


H-18090

H-18090 and H-18091
Mueller NO-BLO Autoperf Operating Wrenches are used to perforate holes in mains **under pressure**. The entire operation is done using Mueller NO-BLO Methods with no blowing of gas. 1200 psig maximum working pressure.
H-18090: Mueller NO- BLO Operating Wrench **with** ratchet handle.
H-18091: Same as H-18090 but **less** ratchet handle (not shown).

Wrench	
3/4" x 3/8"	

Crimping Tool



H-18092

H-18092 and H-18093
Crimping Tools are used to form the top of a steel Autoperf tee body to retain perforator and prevent unintentional removal. 1200 psig maximum working pressure.
H-18092: Crimping Tool **with** ratchet handle.
H-18093: Same as H-18092 but **less** ratchet handle (not shown).

Crimping Tool Sizes	
1/2"	3/4"

Operating Wrench



H-18094

H-18094 and H-18095
Operating Wrenches are used to perforate holes in mains that are **NOT** under pressure.
H-18094: Operating Wrench **with** ratchet handle.
H-18095: Same as H-18094 but **less** ratchet handle (not shown).

Wrench Sizes*		
1/2" x 1/4"	1/2" x 5/16"	3/4" x 3/8"

Operating Wrench



H-18096

H-18096 Operating Wrench used to perforate holes in mains that are **NOT** under pressure. "T" handle slides to either end for use as a lever. Socket guide keeps the hex wrench centered in the tee.

Wrench Sizes*	
1/2" x 5/16"	3/4" x 3/8"

Compact Crimping Tool



H-18097

H-18097 Compact Crimping Tool for 3/4" Autoperf Tees is designed to be used before the main is perforated, therefore, this tool is **not pressure rated** allowing it to be less bulky and lighter weight than the H-18092 tool.

Crimping Tool Size
3/4"

*First size is size of tee, second is size of hex wrench that fits perforator.