CARBON PRESS FITTINGS FOR MECHANICAL AND FIRE SPRINKLER APPLICATIONS

JOB NAME	**CONTRACTOR**
JOB LOCATION	**WHOLESALER**
ENGINEER	**STREAMLINE® REP**

PRODUCT DESCRIPTION:

Streamline® STL carbon steel press fittings for use in mechanical and fire sprinkler applications. Available sizes ranging from 1/2" to 2" in diameter. Product is designed for use in piping systems utilizing ASTM A53, A106, A135, and A795 Schedule 10 to Schedule 40 carbon steel pipe.

Streamline® STL mechanical press fittings are compatible with most common black iron pipe pressing tools (minimum hydraulic ram output of 7200lbs/32kN) and jaws.

15-Year Limited Warranty for approved mechanical applications (non-industrial and non-marine)

MATERIAL:

Streamline® STL components in a mechanical press carbon steel fitting are: carbon steel with corrosion-resistant zinc/nickel coating, EPDM engineered sealing element, and 420 stainless steel grip ring with a 304 stainless steel separator ring.

KEY SPECIFICATIONS:

Streamline® STL fittings shall conform to material requirements of ASTM A420 or ASME B16.3 and performance criteria of ASTM F3226, UL 213, and FM Class 1920. Engineered sealing elements for press fittings shall be EPDM and factory installed. Product is rated for maximum operating pressure of 200 PSI.

INSTALLATION:

Streamline® STL fittings are approved for installations in both above and below ground applications, as allowed by local code. Product installation shall comply with the latest applicable building codes for the local jurisdiction and manufacturer's instructions.

LEAK DETECTION:

These fittings are inherently "leak detecting." Before pressing, fittings are loose on pipe, allowing for water/air flow to help identify un-pressed connections.

APPROVALS & CERTIFICATES:

UL 213 Listed
ASTM F3226
FM Class 1920

REFERENCES:

ASME B31: Code for Pressure Piping
(UMC) Uniform Mechanical Code
(UPC) Uniform Plumbing Code
(IMC) International Mechanical Code
(IPC) International Plumbing Code
IAPMO PS-117
NFPA 13, 13D and 13R

Mueller Streamline Co. • 150 Schilling Blvd., Suite 201, Collierville, TN 38017 • **800.348.8464** • www.muellerstreamline.com • March 2023

APPROVED APPLICATIONS FOR 1/2" TO 2" STREAMLINE® STL:

Types of Service	Comments	Pressure	Temperature	Compatible with EPDM Seal
FUEL, OIL AND LUBRICANT				
Chilled Water	≤50% Ethylene Glycol / Propylene Glycol	200 PSI	-20°F to 250°F	√
Hydronic Heating	≤50% Ethylene Glycol / Propylene Glycol	200 PSI	-20°F to 250°F	√
Isopropyl Alcohol		200 PSI	Ambient	√
Fire Sprinkler	Compliant with UL for NFPA 13, 13D and 13R	175 PSI	Ambient	√
Low-Pressure Steam	Residential	5 psi	Up to 227°F	√
NON-MEDICAL GASES				
Compressed Air	Less than 25mg/m3 oil content	200 PSI	Up to 140°F	√
Oxygen - O_2 (non-medical)	Non- Medical keep free of oil and grease/ non-liquid O_2	140 PSI	Up to 140°F	√
Nitrogen - N_2	—	200 PSI	Up to 140°F	√
Argon	—	200 PSI	Up to 140°F	√
Hydrogen - H_2	—	125 PSI	Up to 140°F	√
Vacuum	—	Max 29.2 inches of Mercury	Up to 140°F	√
Carbon Dioxide - CO_2	Dry	200 PSI	Up to 140°F	√
Acetylene	Test pressure 350 psi	20 PSI	Ambient	√

STREAMLINE® STL RECOMMENDED PRESSURE TESTING:

Low-pressure air or water testing can be useful to assist in identifying any un-pressed connections. Leak testing with air can be dangerous at high pressures. When leak testing with compressed air the proper pressure range is 5 PSI to 15 PSI maximum. When leak testing with water the proper pressure range is 15 PSI to 50 PSI maximum. Following a successful leak test, the system may be pressure tested with air – recommended at 100 PSI up to a maximum 200 PSI – or with water – recommended at 200 PSI up to a maximum of 600 PSI – as required by local code requirements or project specifications.

SPECIFICATION LANGUAGE:

Press Fitting: Shall conform to material requirements of ASTM A420 or ASME B16.3 and performance criteria of ASTM F3226, UL 213, and FM Class 1920. Engineered sealing elements for press fittings shall be EPDM. Engineered sealing elements shall be factory installed.

a. Operating pressure: 200 PSI CWP Max
b. Temperature range: -40°F to 250°F
c. EPDM Engineered sealing element, factory installed

-OR-

Mechanical pressed carbon steel fittings. Jointing piping similar to Mueller Industries Streamline® STL, Viega Mega-Press, or approved equal may be used if also listed to UL and FM.

TOOLS & INSTALLATION GUIDELINES

TOOL & JAW COMPATIBILITY*

1/2" — 2"

Milwaukee M18 Standard

Milwaukee M18 Long Throw

Rems Radial Press Standard

Ridgid RP Series Standard

1/2" — 1" ONLY

Milwaukee M12

1/2" — 3/4" ONLY

Rems Radial Press Compact

Ridgid RP Series Compact

DISTANCE BETWEEN JOINTS PRESSING NEAR AN EXISTING PRESS CONNECTION

MINIMUM DISTANCE BETWEEN STREAMLINE® STL JOINTS		
PIPE DIAMETER	MINIMUM DISTANCE REQUIRED	
NOMINAL INCH	INCH	MM
1/2″	1/4″	6
3/4″	1/4″	6
1″	1/4″	6
1-1/4″	1/2″	13
1-1/2″	1/2″	13
2″	1/2″	13

EQUIVALENT LENGTH VALUE IN FEET OF PIPE

PRESSURE LOSS EXPRESSED AS EQUIVALENT LENGTH (IN FEET OF PIPE)		
TYPE	NOMINAL DIAMETER	EQUIVALENT LENGTH (FT)
Coupling	1″	1
Coupling	1-1/4″	.4
Coupling	1-1/2″	.5
Coupling	2″	.3
Tee (Branch)	1″	4.9
Tee (Branch)	1-1/4″	5.1
Tee (Branch)	1-1/2″	5.6
Tee (Branch)	2″	8.2

WELDING NEAR AN EXISTING PRESS CONNECTION

All welds in the system are to be completed before any press connections are made.

THREADED FITTINGS NEAR PRESS CONNECTIONS

Threaded connections need to be tightened prior to pressing in line fittings.

UNDERGROUND BURIAL

Streamline® STL fittings are approved for underground installation in accordance with the latest applicable building codes for the state and local jurisdiction. In addition, underground joints should be wrapped in 3M™ Scotchrap™ Tape 50, Shurtape® PW100 or a comparable impermeable coating system designed to protect joints from moisture, debris, corrosion and other soil stresses.

VERTICAL RUNS

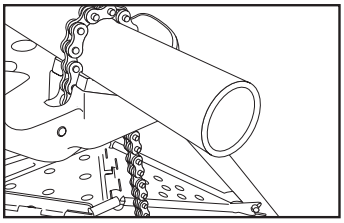
Streamline® STL fittings can be run in a vertical orientation for indoor or outdoor applications. If the system is in an outdoor location prone to regular freezing cycles, it is suggested, after completion of system testing, to wrap the upward-facing cups with a high UV pipe tape such as those listed in the underground burial section. Proper support is up to the designer and installer and must be per local code.

PAINTING

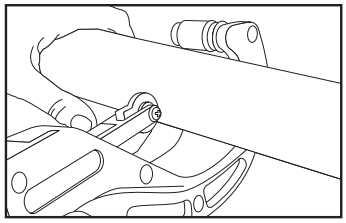
Streamline® STL fittings have a factory-applied corrosion-resistant coating but may be painted if desired for color identification. Proper care must be taken to avoid any oil-based paints from pooling inside the fitting ends

SEAL LUBRICATION

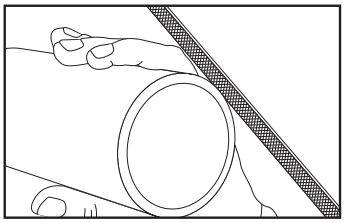
If additional seal lubrication is required, silicon or non-petroleum based lubricants must be used. **Do not use any type of oil lubrication.**



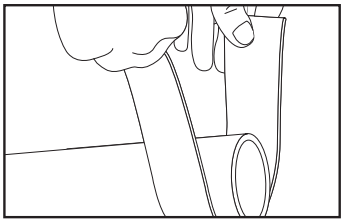
1 Keep vise a minimum of 4" from cutting area to avoid damage to pipe.



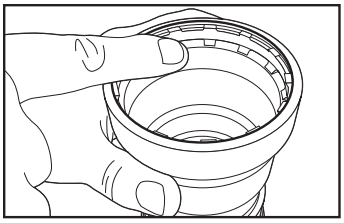
2 Cut pipe square using a displacement-type cutter or fine-toothed saw.



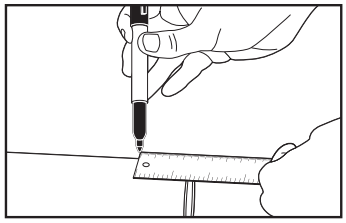
3 Deburr pipe ID and OD using half round file or deburr tool.



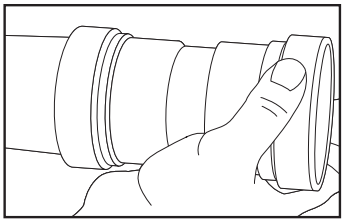
4 Sand pipe OD to proper insertion depth. Pipe surface must be smooth and free of rust, indentation, deformation, and pipe coating.



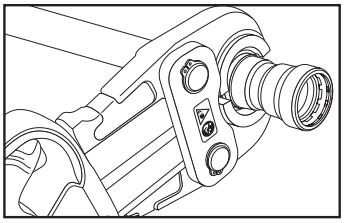
5 Check fitting ends to ensure seal, grip ring, and spacer are present. **Do not use any type of oil lubrication.**



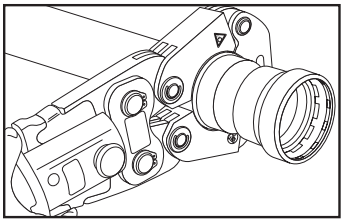
6 Mark pipe to proper fitting insertion depth (see insertion depth chart).



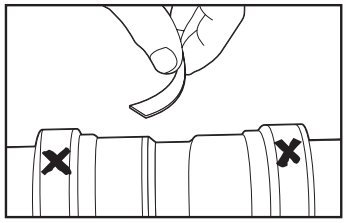
7 Turn slightly while sliding press fitting onto pipe. Slide all the way to insertion mark & make contact with stop.



8a For ½″ to 1″ fittings, place press jaw at a right angle over press fitting bead. Start the pressing process. See specific tool manufacturer for tool instruction.



8b For 1- ¼″ -2″ fittings, place press-ring at a right angle over fitting bead and check for proper engagement. Start the pressing process. See specific tool manufacturer for tool instruction.



9 Remove sticker once crimping process is complete to verify the connection has been made. Pressed joint may also be marked with an "X" for additional confirmation.

Insertion Depth Chart (1/2″ — 2″)						
Pipe Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Insertion Depth	1-1/8"	1-1/4"	1-3/8"	1-7/8"	2"	2"

WARNING: Failure to follow all instructions could affect joint/system integrity and may lead to property damage. Call Customer Service at **1-800-FITTING** if you have any questions or need assistance.

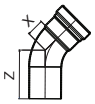
WARNING
The installation, inspection, testing, and purging of mechanical systems shall be in accordance with local codes, or, in the absence of local codes, in accordance with the *Uniform Plumbing Code or Mechanical Code*, as applicable.

CAUTION:
(a) The fittings are for use with approved mechanical applications and are intended for the operating pressure 0-200psi. Fittings are not approved for fuel gas applications.
(b) The mechanical system shall comply with the Electrical Bonding and Grounding Section of the Uniform Plumbing Code. The metal to metal contact between fitting and pipe ensures continuity of the bonding through this contact.

45° ELBOW • SMALL
P x P

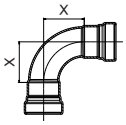
Item No.	Diameter	X	Wgt.	Inner	Viega No.
CP03026	1/2"	0.48	0.21	5	25230
CP03034	3/4"	0.56	0.30	5	25235
CP03044	1"	0.80	0.52	5	25240
CP03050	1-1/4"	0.94	0.96	1	25245
CP03055	1-1/2"	1.05	1.05	1	25250
CP03059	2"	1.20	1.27	1	25255

45° ELBOW • STREET • SMALL
FTG x P



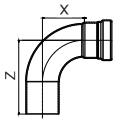
Item No.	Diameter	X	Z	Wgt.	Inner	Viega No.
CP03326	1/2"	0.48	1.91	0.21	5	26100
CP03334	3/4"	0.56	2.07	0.30	5	26105
CP03344	1"	0.80	2.47	0.52	5	26110
CP03350	1-1/4"	0.97	3.11	0.96	1	26115
CP03355	1-1/2"	1.05	3.30	1.00	1	26120
CP03359	2"	1.20	3.51	1.23	1	26125

90° ELBOW • LONG RADIUS • SMALL
P x P



Item No.	Diameter	X	Wgt.	Inner	Viega No.
CP02722	1/2"	1.17	0.29	5	25200
CP02734	3/4"	1.37	0.41	5	25205
CP02747	1"	1.96	0.69	5	25210
CP02055	1-1/4"	2.28	1.18	1	25215
CP02063	1-1/2"	2.55	1.32	1	25220
CP02072	2"	2.93	1.76	1	25225

90° ELBOW • LONG RADIUS • STREET • SMALL
FTG x P

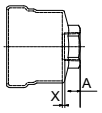


Item No.	Diameter	X	Z	Wgt.	Inner	Viega No.
CP02822	1/2"	1.17	2.60	0.26	5	26050
CP02834	3/4"	1.37	2.87	0.39	5	26055
CP02847	1"	1.96	3.62	0.71	5	26060
CP02350	1-1/4"	2.28	4.45	1.18	1	26065
CP02355	1-1/2"	2.55	4.80	1.32	1	26070
CP02359	2"	2.93	5.24	1.76	1	26075

ADAPTER • FEMALE • SMALL
P x FPT

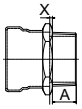
Item No.	Diameter	A	X	Wgt.	Inner	Viega No.
CP01231	1/2"	0.52	0.00	0.13	5	25130
CP01246	3/4"	0.52	0.00	0.22	5	25135
CP01263	1"	0.66	0.01	0.45	5	25140
CP01271	1-1/4"	0.68	0.07	0.53	1	25145
CP01279	1-1/2"	0.68	0.04	0.99	1	25150
CP01287	2"	0.63	0.00	0.80	1	25155

ADAPTER • FEMALE • REDUCING • SMALL
P x FPT



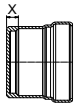
Item No.	Diameter	A	X	Wgt.	Inner	Viega No.
CP01247	3/4" x 1/2"	0.50	0.00	0.20	5	25575
CP01265	1" x 1/2"	0.54	0.02	0.28	5	25580
CP01264	1" x 3/4"	0.55	0.00	0.31	5	25585
CP01268	1-1/4" x 1/2"	0.54	0.02	0.47	1	25590
CP01269	1-1/4" x 3/4"	0.56	0.04	0.49	1	25595
CP01272	1-1/4" x 1"	0.66	0.01	0.48	1	25600
CP01276	1-1/2" x 1/2"	0.54	0.11	0.57	1	25605
CP01277	1-1/2" x 3/4"	0.56	0.09	0.58	1	25610
CP11279	1-1/2" x 1"	0.66	0.06	0.62	1	25615
CP01280	1-1/2" x 1-1/4"	0.68	0.04	0.63	1	25620
CP01283	2" x 1/2"	0.54	0.09	0.75	1	25625
CP01284	2" x 3/4"	0.56	0.07	0.76	1	25630
CP01285	2" x 1"	0.63	0.00	0.72	1	25635
CP01286	2" x 1-1/4"	0.68	0.03	0.75	1	25640
CP01288	2" x 1-1/2"	0.68	0.03	0.70	1	25645

ADAPTER • MALE • SMALL
P x MPT



Item No.	Diameter	A	X	Wgt.	Inner	Viega No.
CP01131	1/2"	0.75	0.17	0.18	5	25100
CP01146	3/4"	0.83	0.15	0.26	5	25105
CP01163	1"	0.98	0.10	0.38	5	25110
CP01171	1-1/4"	1.02	0.12	0.55	1	25115
CP01179	1-1/2"	1.02	0.21	0.78	1	25120
CP01187	2"	1.06	0.12	0.87	1	25125

CAP • SMALL
P

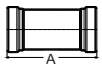


Item No.	Diameter	X	Wgt.	Inner	Viega No.
CP07007	1/2"	0.23	0.12	5	25730
CP07009	3/4"	0.28	0.19	5	25735
CP07011	1"	0.32	0.28	5	25740
CP07012	1-1/4"	0.33	0.43	1	25745
CP07013	1-1/2"	0.33	0.54	1	25750
CP07014	2"	0.40	0.70	1	25755

COUPLING • NO STOP • SMALL
P x P

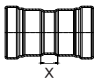
Item No.	Diameter	A	Wgt.	Inner	Viega No.
CP01903	1/2"	2.79	0.22	5	25030
CP01905	3/4"	3.01	0.30	5	25035
CP01906	1"	3.37	0.44	5	25040
CP01907	1-1/4"	4.34	0.73	1	25045
CP01908	1-1/2"	4.60	0.86	1	25050
CP01909	2"	4.86	1.01	1	25055

COUPLING • NO STOP • EXTENDED • SMALL
P x P



Item No.	Diameter	A	Wgt.	Inner	Viega No.
CP01950	1/2"	3.84	0.28	5	25070
CP01952	3/4"	4.04	0.38	5	25075
CP01955	1"	4.43	0.56	5	25080
CP01956	1-1/4"	5.35	0.87	1	25085
CP01957	1-1/2"	5.47	0.98	1	20590
CP01958	2"	5.67	1.16	1	25095

COUPLING • STAKED STOP • SMALL
P x P



Item No.	Diameter	X	Wgt.	Inner	Viega No.
CP10145	1/2"	0.52	0.22	5	25000
CP10146	3/4"	0.54	0.30	5	22005
CP10147	1"	0.59	0.45	5	25010
CP10148	1-1/4"	0.62	0.75	1	25015
CP10149	1-1/2"	0.67	0.87	1	25020
CP10150	2"	0.84	1.06	1	25071

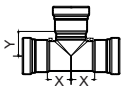
COUPLING • REDUCING • SMALL
P x P

Item No.	Diameter	X	Wgt.	Inner	Viega No.
CP01036	3/4" x 1/2"	0.31	0.25	5	25930
CP01051	1" x 1/2"	0.43	0.33	5	25935
CP01049	1" x 3/4"	0.30	0.35	5	25940
CP01058	1-1/4" x 3/4"	0.47	0.53	1	25945
CP01056	1-1/4" x 1"	0.34	0.57	1	25950
CP01064	1-1/2" x 1-1/4"	0.28	0.77	1	25955
CP01074	2" x 1-1/4"	0.52	0.89	1	25960
CP01073	2" x 1-1/2"	0.40	0.90	1	25965

FITTING REDUCER • SMALL
FTG x P

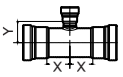
Item No.	Diameter	X	Wgt.	Inner	Viega No.
CP01326	3/4" x 1/2"	0.12	0.21	5	26000
CP01339	1" x 1/2"	0.25	0.28	5	26005
CP01337	1" x 3/4"	0.11	0.30	5	26010
CP01343	1-1/4" x 1"	0.22	0.49	1	26015
CP01353	1-1/2" x 3/4"	0.44	0.51	1	26020
CP01351	1-1/2" x 1"	0.32	0.57	1	26025
CP01350	1-1/2" x 1-1/4"	0.10	0.57	1	26030
CP01360	2" x 1"	0.56	0.69	1	26035
CP01359	2" x 1-1/4"	0.39	0.80	1	26040
CP01358	2" x 1-1/2"	0.28	0.83	1	26045

TEE • SMALL
P x P x P



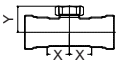
Item No.	Diameter	X	Y	Wgt.	Inner	Viega No.
CP04006	1/2"	0.93	0.87	0.40	5	25300
CP04031	3/4"	1.06	0.98	0.58	5	25305
CP04048	1"	1.22	1.18	0.80	5	25310
CP04068	1-1/4"	1.40	1.39	1.34	1	25315
CP04084	1-1/2"	1.53	1.54	1.57	1	25320
CP40102	2"	1.80	1.87	2.00	1	25325

TEE • REDUCING • SMALL
P x P x P



Item No.	Diameter	X	Y	Wgt.	Inner	Viega No.
CP04033	3/4" x 3/4" x 1/2"	1.06	0.99	0.53	5	25330
CP04051	1" x 1" x 1/2"	1.22	1.13	0.74	5	25335
CP04049	1" x 1" x 3/4"	1.22	1.12	0.80	5	25340
CP04071	1-1/4" x 1-1/4" x 1/2"	1.40	1.30	1.14	1	25510
CP04070	1-1/4" x 1-1/4" x 3/4"	1.40	1.30	1.19	1	25515
CP04069	1-1/4" x 1-1/4" x 1"	1.40	1.36	1.26	1	25350
CP04088	1-1/2" x 1-1/2" x 1/2"	1.53	1.44	1.24	1	25360
CP04087	1-1/2" x 1-1/2" x 3/4"	1.53	1.43	1.27	1	25365
CP04086	1-1/2" x 1-1/2" x 1"	1.53	1.50	1.36	1	25370
CP04085	1-1/2" x 1-1/2" x 1-1/4"	1.53	1.53	1.51	1	25375
Coming Soon	2" x 2" x 1/2"	1.80	1.68	1.61	1	25380
Coming Soon	2" x 2" x 3/4"	1.80	1.67	1.66	1	25385
Coming Soon	2" x 2" x 1"	1.80	1.73	1.71	1	25390
Coming Soon	2" x 2" x 1-1/4"	1.80	1.77	1.83	1	25395
Coming Soon	2" x 2" x 1-1/2"	1.80	1.79	1.90	1	25400

TEE • FEMALE • SMALL
P x P x FPT



Item No.	Diameter	X	Y	Wgt.	Inner	Viega No.
CP01539	3/4" x 3/4" x 1/2"	1.06	1.38	0.47	5	25405
CP01538	3/4" x 3/4" x 3/4"	1.06	1.40	0.54	5	25480
CP01570	1" x 1" x 1/2"	1.22	1.54	0.69	5	25410
CP01572	1" x 1" x 3/4"	1.22	1.54	0.76	5	25415
CP01613	1-1/4" x 1-1/4" x 1/2"	1.40	1.71	1.07	1	25485
CP02654	1-1/4" x 1-1/4" x 3/4"	1.40	1.71	1.13	1	25505
CP02655	1-1/4" x 1-1/4" x 1"	1.40	1.87	1.20	1	25500
CP01645	1-1/2" x 1-1/2" x 1/2"	1.53	1.83	1.23	1	25435
CP02673	1-1/2" x 1-1/2" x 3/4"	1.53	1.83	1.34	1	25440
CP02688	1-1/2" x 1-1/2" x 1"	1.53	1.99	1.39	1	25445
CP02691	1-1/2" x 1-1/2" x 1-1/4"	1.53	1.99	1.50	1	25450
CP01699	2" x 2" x 1/2"	1.80	2.01	1.55	1	25455
CP02706	2" x 2" x 3/4"	1.80	2.01	1.61	1	25460
CP02703	2" x 2" x 1"	1.80	2.20	1.66	1	25465
CP02704	2" x 2" x 1-1/4"	1.80	2.26	1.71	1	25470
CP02705	2" x 2" x 1-1/2"	1.80	2.20	1.73	1	25475

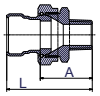
UNION • SMALL
P x P

Item No.	Diameter		A	L	Wgt.	Inner	Viega No.
CP08003	1/2"		0.88	3.07	0.47	5	25700
CP08004	3/4"		0.89	3.27	0.78	5	25705
CP08005	1"		0.94	3.62	1.20	5	25710
CP11205	1-1/4"		1.06	4.69	2.12	1	25715
CP11206	1-1/2"		1.13	4.96	1.78	1	25720
CP11207	2"		0.91	4.84	2.46	1	25725

UNION • FEMALE • SMALL
P x FPT

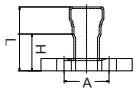
Item No.	Diameter		A	L	Wgt.	Inner	Viega No.
CP11422	1/2"		0.81	2.44	0.35	5	25650
CP11423	3/4"		0.78	2.52	0.51	5	25655
CP11424	1"		0.80	2.80	0.85	5	25660
CP11425	1-1/4"		0.82	3.31	1.21	1	25665
CP11426	1-1/2"		0.95	3.54	1.59	1	25670
CP11427	2"		0.92	3.58	2.07	1	25675

UNION • MALE • SMALL
P x MPT



Item No.	Diameter		A	L	Wgt.	Inner	Viega No.
CP11210G	1/2"		1.70	2.84	0.00	5	
CP11211G	3/4"		1.80	3.04	0.00	5	
CP11212G	1"		2.01	3.39	0.00	5	
CP11213G	1-1/4"		2.13	3.98	0.00	1	
CP11214G	1-1/2"		2.24	4.22	0.00	1	
CP11215G	2"		2.28	4.30	0.00	1	

FLANGE • SMALL
P x FLANGE



Item No.	Diameter	A	H	L	Wgt.	Inner	Viega No.
CP02881	1/2"	2.37	1.37	2.44	1.23	5	25760
CP04114	3/4"	2.75	1.67	2.85	1.66	5	25765
CP02933	1"	3.13	1.82	3.14	2.40	5	25770
CP03806	1-1/4"	3.50	2.12	3.91	3.09	1	25775
CP03907	1-1/2"	3.87	2.25	4.15	3.88	1	25780
CP02980	2"	4.75	2.61	4.53	5.89	1	25785

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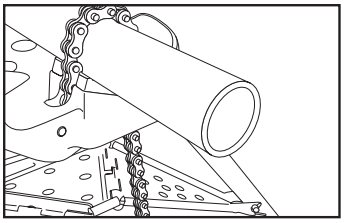
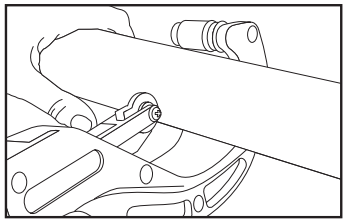
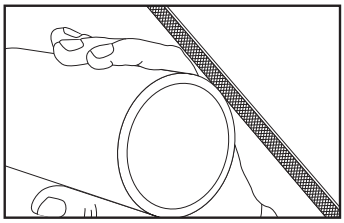
Instructions d'installation en français (1/2″ - 2″)



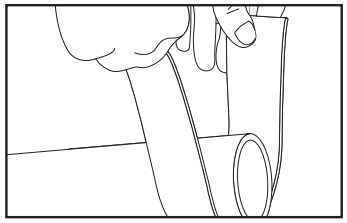
1 Pour éviter tout dommage, garder un minimum de 4" entre l'étau et l'extrémité du tuyau.



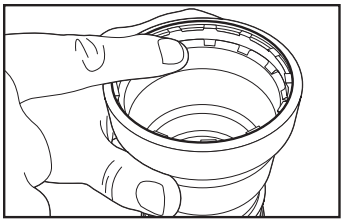
2 Couper le tuyau avec un couteau à déplacement ou une scie à lame fine.



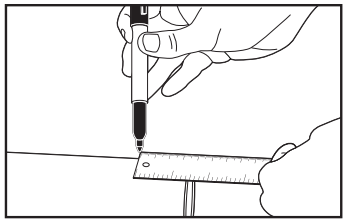
3 Ebavurer la paroi extérieure avec une lime ou un outil à ébavurer.



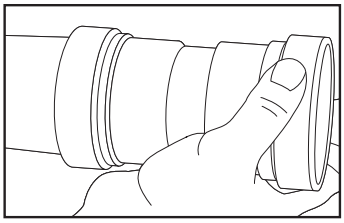
4 Sabler l'extérieur du tuyau jusqu'à la limite d'insertion. La paroi extérieure du tuyau doit être lisse et libre de limailles, égratignures, déformation ou tout autre imperfection.



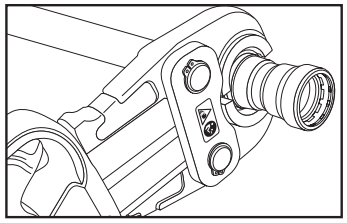
5 Vous assurer que le raccord ait un joint d'étanchéité, l'anneau de préhension et une bague d'espacement. **Ne pas utiliser aucun type de lubrifiant à l'huile.**



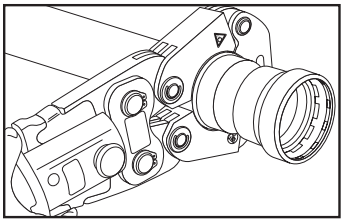
6 Marquer le tuyau l'endroit de la limite d'insertion (Voir le tableau de limite d'insertion).



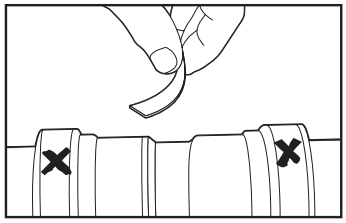
7 Tourner le raccord légèrement lors de l'insertion jusqu'à la marque sur le tuyau et au contact de l'arrêt interne.



8a Pour les raccords de 1/2" a 1", placer les machoires de l'outil en angle droit sur l'encoche du raccord à pression. Débuter le processus de pression de l'outil. Voir les instructions du manufacturier de l'outil.



8b Pour les raccords de 1- 1/4" à 2", placer l'anneau de pressage en angle droit sur l'encoche du raccord à pression. Débuter le processus de pression de l'outil. Voir les instructions du manufacturier de l'outil.



9 Enlever le collant lorsque le raccord est pressé pour assurer que la connection est adéquate. Le joint pressé peut également être marqué avec un "X" confirmation additionnelle.

Tableau de Profondeur d'insertion (1/2" – 2")						
Dimension du tuyau	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Profondeur	1-1/8"	1-1/4"	1-3/8"	1-7/8"	2"	2"

ATTENTION:
Le non-suivi des procédures d'installation prescrites pourrait causer le manque d'intégrité du raccord/système et un dommage au lieu d'installation. Communiquez avec le service à la clientèle au 1-800-FITTING si vous avez des questions ou désirez de l'assistance

ATTENTION
Les installations, inspections, essais et purges d'un système mécanique doivent être effectués d'après les codes locaux, ou, en l'absence de ceux ci, d'après *le Code de Plomberie ou Mécanique en vigueur.*

MISE EN GARDE:
(a) Les raccords sont pour utilisation sur un système mécanique approuvé, et conçus pour une pression d'opération de 0-200 psi. **Les raccords ne sont pas approuvés pour les gas combustibles.**
(b) Le système mécanique doit être conforme au "Electrical Bonding and Grounding Section" (Liaison Electrique et Mise à Terre) du code de Plomberie Uniforme en vigueur. Le contact métal à métal entre le raccord et le tuyau assure une continuité de la liaison électrique avec ce contact.

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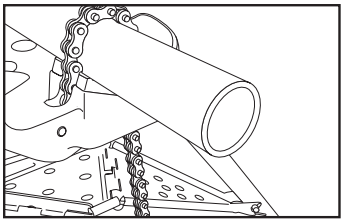
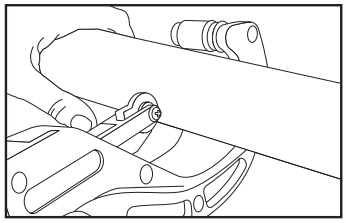
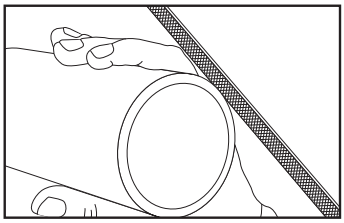
Instructivo de instalación (1/2″ - 2″)



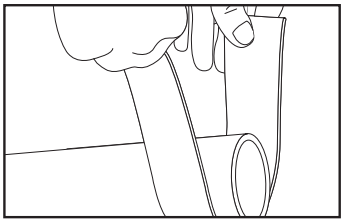
1 Mantenga el tornillo de banco a un mínimo de 4″ del área de corte para evitar dañar la tubería.



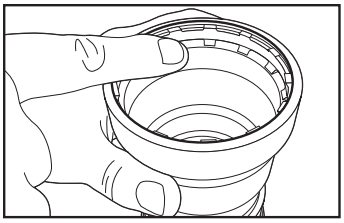
2 Corte el tubo en forma recta con un cortador de tubo de cobre o una segueta.



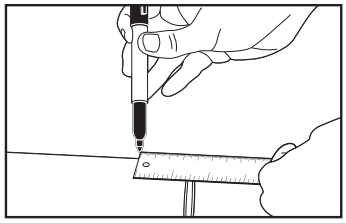
3 Lime el diámetro interior y el diámetro exterior de la tubería con una lima semicircular o una herramienta de desbarbado.



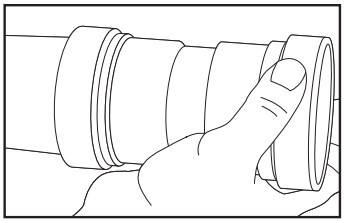
4 Lije el diámetro exterior de la tubería hasta la profundidad de inserción adecuada. La superficie de la tubería debe estar lisa y libre de óxido, hendiduras, deformaciones y revestimiento de la tubería.



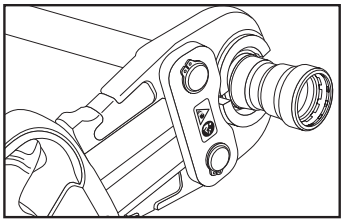
5 Revise los extremos de las conexiones para asegurarse de que el sello, el anillo de agarre y el espaciador estén presentes. **No utilice ningún tipo de lubricante con aceite.**



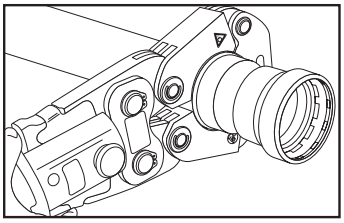
6 Marque la tubería hasta la profundidad de inserción adecuada de la conexión (consulte la tabla de profundidad de inserción).



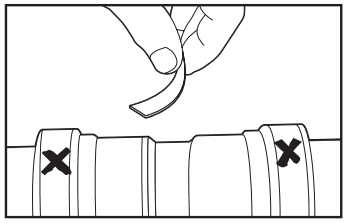
7 Gire ligeramente mientras desliza la conexión a presión en el tubo. Deslícese hasta la marca de inserción y haga contacto con el tope.



8a Para conexiones de ½ ″a 1″, coloque la mordaza de presión en ángulo recto sobre el cordón de conexión a presión. Inicie el proceso de prensado. Consulte al fabricante de la herramienta específica para obtener instrucciones sobre la herramienta.



8b Para conexiones de 1 ¼″ - 2″, coloque el anillo de presión en ángulo recto sobre el borde de la conexión y compruebe que se acople correctamente. Inicie el proceso de prensado. Consulte al fabricante de la herramienta específica para obtener instrucciones sobre la herramienta.



9 Retire la etiqueta adhesiva una vez que se complete el proceso de pensado para verificar que la conexión se realizo correctamente. La conexión prensada puede también ser marcada con una "X" para confirmación adicional.

Tabla de profundidad de inserción (1/2″ – 2″)						
Diámetro de tubo	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Profundidad de inserción	1-1/8"	1-1/4"	1-3/8"	1-7/8"	2"	2"

ADVERTENCIA:
El incumplimiento de todas las instrucciones podría afectar la integridad de la union/sistema y provocar daños materiales. Llame a servicio al cliente al 1-800-FITTING si tiene alguna pregunta o necesita ayuda

ADVERTENCIA
La instalación, inspección, prueba y purga de los sistemas mecánicos debe realizarse de acuerdo con los códigos locales o, en ausencia de los códigos locales, de acuerdo con el Código uniforme de plomería o el Código mecánico, según corresponda.

PRECAUCIÓN:
(a) Los accesorios son para uso con aplicaciones mecánicas aprobadas y están diseñados para una presión de operación de 0-200 psi. **Los accesorios no están aprobados para aplicaciones de gasolina.**
(b) El sistema mecánico deberá cumplir con la Sección de Conexión Eléctrica y Conexión a Tierra del Código Uniforme de Plomería. El contacto de metal a metal entre el accesorio y la tubería asegura la continuidad de la unión a través de este contacto.

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