COPPER PRESS®.com

PRODUCT **CATALOG** 2022

SUPPLY source

CopperPress is Supply Source's solution for professionals choosing to join copper tubing through the use of press technology. CopperPress is focused on quality, safety, reliability, and ease of use.

- ½" — 4" including couplings, elbows, tees, adapters, fitting reducers, caps, and flanges
- Extensive offering of reducing tees
- Dual leak detection feature identify uncrimped connections:
  1. Mechanical Leak Before Press (LBP) O-Ring
  2. Visual Indicator Press Ring (VIPR) – facilitates immediate identification of un-pressed connections as well as application – green = EPDM (H^2O)
- Compatible with most common pressing tools and jaws in the market
- EPDM (Ethylene Propylene Diene Monomer) seals are factory-installed & lubricated
- Packaged in common industry quantities

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Why CopperPress® Fitting?

Press technology is growing in use as installers seek alternative methods due to skilled labor constraints and other factors. Its common piping system applications today range from those in new commercial building construction, to MRO factory maintenance, to retrofit and remodel of existing low control systems. Since the first design was patented, there have been a number of important evolutionary modifications. These improvements have been focused on providing greater ease of installation and on increasing the reliability of modern press technology.

CopperPress® builds upon these advancements and continues the quest of improved joint design, increased holding power, and greater reliability. With patented design improvements and rigorous testing requirements, we are confident that we have accomplished all of these objectives.

We understand that press tool and jaw sets are an expensive investment for the contractor and inventory item for wholesalers. Therefore, we focused on improvements to the seal mechanics, rather than the basic design of the fitting. With our design, CopperPress® fittings are compatible with most tools and jaws on the market, making it easy for the end user.

With CopperPress® we are confident that we have engineered a better, more reliable joint that will withstand higher pressures and will yield significantly improved anti-creep performance.

System Description

CopperPress® mechanical press copper fittings are for use in plumbing or mechanical applications. Sizes range from ½" – 4" and are made of lead-free dezincification resistant copper with an EPDM O-Ring. CopperPress® fittings are designed to be used with ASTM B88 Type K, L and M ½" – 4" copper tubing in the hard-drawn condition and soft copper tubing in sizes ½" to 1 ¼".

Applications

- All tubing must comply with the ASTM B88 standard.
- Approved for installations in above and below ground applications as allowed by local code

Operating Parameters

- Operating / Test Pressure = 300 psi / 600 psi
- Temperature Range = 0°F - 250°F

System Benefits

- Fast and easy to use
- Flameless
- Permanent connections
- Size range from ½" to 4"
- Large selection of fittings
- Consistent professional appearance
- Less equipment required
- Environmentally friendly system
- Compatibility of fittings and tools

Approved Applications

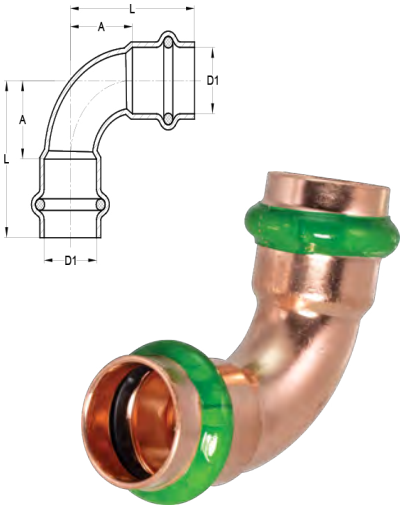
- Potable water
- Hydronic heating (w/ glycol)
- Chilled water
- Compressed air (300 PSI max)
- Non-medical gases (140 PSI max)
- Low pressure steam (15 PSI max)
- Vacuum (24.5" mercury max @ 68°F)

Approvals and Certifications

- NSF ANSI/CAN 61
- UPC
- cUPC
- IPC
- IAPMO PS-117
- ICC-ES-PMG
- ASME B16.51

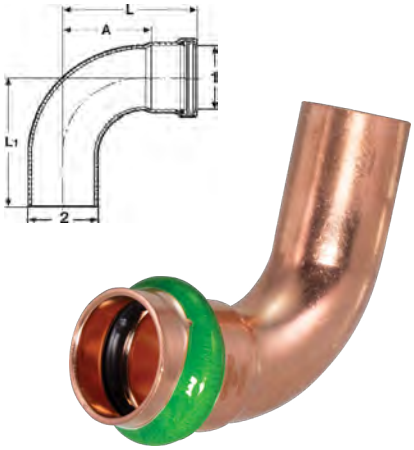
SD 90° Elbow

Item Number	Size D1 (in)	L (in)	A (in)
11230	½”	1.56	0.75
11240	¾”	1.97	1.02
11250	1”	2.24	1.30
11260	1 ¼”	2.64	1.50
11270	1 ½”	3.23	1.77
11280	2”	3.98	2.36



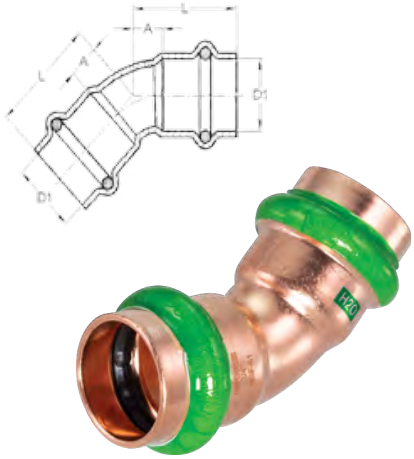
SD 90° Street Elbow

Item Number	D1 (in)	L1 (in)	A (in)	L2 (in)
11350	½”	1.56	0.75	1.73
11360	¾”	2.03	1.08	2.13
11370	1”	2.24	1.30	2.36
11380	1 ¼”	2.64	1.50	2.93
11390	1 ½”	3.23	1.77	3.54
11400	2”	3.98	2.17	4.29



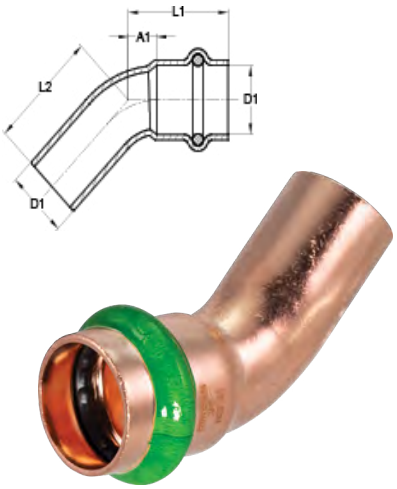
SD 45° Elbow

Item Number	Size D1 (in)	L (in)	A (in)
11470	½”	1.10	0.30
11480	¾”	1.40	0.45
11490	1”	1.42	0.47
11500	1 ¼”	1.97	0.83
11510	1 ½”	2.30	0.85
11520	2”	2.44	0.83



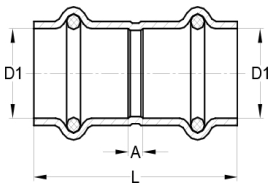
SD 45° Street Elbow

Item Number	Size D1 (in)	L1 (in)	A (in)	L2 (in)
11590	½”	1.10	0.30	1.22
11600	¾”	1.40	0.45	1.46
11610	1”	1.52	0.57	1.57
11620	1 ¼”	1.97	0.83	1.94
11630	1 ½”	2.30	0.85	2.36
11640	2”	2.44	0.83	2.76



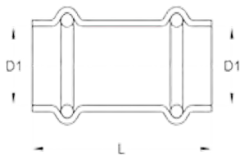
SD Coupling with Stop

Item Number	D1 (in)	D2 (in)	L (in)
12230	½”	1.61	0.12
12240	¾”	2.05	0.16
12250	1”	2.05	0.16
12260	1 ¼”	2.44	0.16
12270	1 ½”	3.03	0.16
12280	2”	3.35	0.16



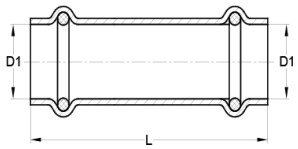
SD Coupling No Stop

Item Number	D1 (in)	L (in)
12290	½”	1.69
12300	¾”	2.05
12310	1”	2.05
12320	1 ¼”	2.44
12330	1 ½”	3.03
12340	2”	3.35



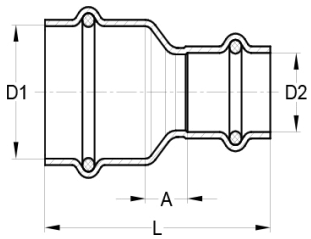
SD Extended Coupling No Stop

Item Number	D1 (in)	L (in)
12350	½”	2.99
12360	¾”	3.50
12370	1”	3.74
12380	1 ¼”	4.13
12390	1 ½”	4.72
12400	2”	5.31



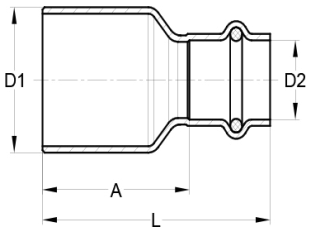
SD Coupling Reducer

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
12410	¾”	½”	2.11	0.35
12420	1”	½”	2.26	0.51
12430	1”	¾”	2.24	0.35
12435	1 ¼”	½”	2.68	0.73
12440	1 ¼”	¾”	2.66	0.57
12450	1 ¼”	1”	2.50	0.41
12455	1 ½”	½”	3.27	0.93
12460	1 ½”	¾”	3.23	0.83
12470	1 ½”	1”	3.03	0.63
12480	1 ½”	1 ¼”	3.07	0.47
12485	2”	½”	3.86	1.36
12490	2”	¾”	3.76	1.20
12500	2”	1”	3.54	0.98
12510	2”	1 ¼”	3.58	0.83
12520	2”	1 ½”	3.76	0.69



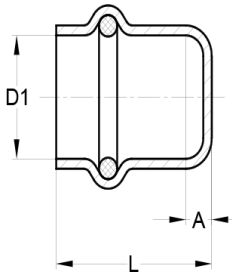
SD Bushing Reducer

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
12530	¾”	½”	2.15	1.34
12540	1”	½”	2.32	1.52
12550	1”	¾”	2.24	1.30
12560	1 ¼”	½”	2.64	1.83
12570	1 ¼”	¾”	2.64	1.69
12580	1 ¼	1”	2.52	1.57
12585	1 ½”	½”	3.03	2.22
12590	1 ½”	¾”	3.11	2.17
12600	1 ½”	1”	2.95	2.01
12610	1 ½”	1 ¼”	3.03	1.89
12613	2”	½”	3.66	2.85
12617	2”	¾”	3.74	2.80
12620	2”	1”	3.54	2.60
12630	2”	1 ¼”	3.58	2.44
12640	2”	1 ½”	3.70	2.24



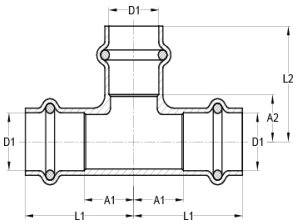
SD Cap

Item Number	D1 (in)	L (in)	A (in)
13110	½”	0.94	0.14
13120	¾”	1.06	0.12
13140	1”	1.06	0.12
13150	1 ¼”	1.26	0.12
13160	1 ½”	1.69	0.24
13170	2”	1.85	0.24



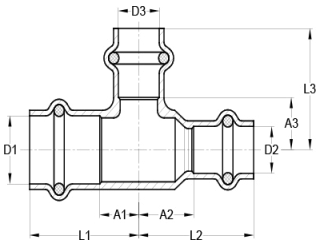
SD Equal Tee

Item Number	D1 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
14110	½”	1.56	0.75	1.28	0.47
14140	¾”	1.79	0.85	1.59	0.65
14190	1”	1.91	0.96	1.73	0.79
14280	1¼”	2.13	0.98	1.97	0.83
14400	1½”	2.62	1.16	2.76	1.30
14510	2”	2.99	1.38	3.15	1.54



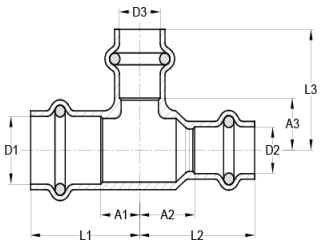
SD Unequal Tee

Item Number	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
14120	½”	½”	¾”	1.71	0.91	1.71	0.91	1.54	0.59
14130	½”	½”	1”	2.22	1.42	2.22	1.42	1.73	0.79
14150	¾”	½”	½”	1.63	0.69	1.75	0.95	1.44	0.63
14160	¾”	½”	¾”	1.79	0.85	1.87	1.06	1.59	0.65
14170	¾”	¾”	½”	1.63	0.69	1.63	0.69	1.44	0.63
14180	¾”	¾”	1”	1.91	0.97	1.91	0.97	2.03	1.08
14195	1”	½”	½”	1.63	0.69	2.01	1.20	1.59	0.79
14200	1”	½”	¾”	1.79	0.85	2.13	1.32	1.73	0.79
14210	1”	½”	1”	1.91	0.97	2.22	1.42	1.73	0.79
14220	1”	¾”	½”	1.63	0.69	1.91	0.96	1.59	0.79
14230	1”	¾”	¾”	1.79	0.85	2.01	1.06	1.73	0.79
14240	1”	¾”	1”	1.91	0.96	2.17	1.22	1.73	0.79
14250	1”	1”	½”	1.63	0.69	1.63	0.69	1.59	0.79
14260	1”	1”	¾”	1.79	0.85	1.79	0.85	1.73	0.79
14270	1”	1”	1 ¼”	1.93	0.98	1.93	0.98	2.32	1.18
14290	1 ¼”	½”	1 ¼”	2.13	0.98	2.62	1.81	1.91	0.83
14300	1 ¼”	¾”	½”	1.77	0.63	2.19	1.24	1.93	1.12
14310	1 ¼”	¾”	¾”	1.87	0.73	2.28	1.34	1.97	1.02
14320	1 ¼”	¾”	1”	1.99	0.85	2.38	1.44	2.05	1.10
14330	1 ¼”	¾”	1 ¼”	2.13	0.98	2.44	1.50	1.97	0.83



SD Unequal Tee
(continued)

Item Number	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
14340	1 ¼”	1”	½”	1.77	0.63	2.09	1.14	1.93	1.12
14350	1 ¼”	1”	¾”	1.87	0.73	2.11	1.16	1.97	1.02
14360	1 ¼”	1”	1”	1.99	0.85	2.22	1.28	2.05	1.10
14365	1 ¼”	1”	1 ¼”	2.13	0.98	2.24	1.30	1.97	0.83
14370	1 ¼”	1 ¼”	½”	1.77	0.63	1.77	0.63	1.93	1.12
14380	1 ¼”	1 ¼”	¾”	1.87	0.73	1.87	0.73	1.97	1.02
14390	1 ¼”	1 ¼”	1”	1.99	0.85	1.99	0.85	2.05	1.10
14395	1 ½”	½”	1 ½”	2.61	1.16	2.91	2.11	2.76	1.30
14410	1 ½”	1”	¾”	2.13	0.67	2.36	1.42	2.09	1.14
14420	1 ½”	1”	1”	2.26	0.81	2.38	1.44	2.09	1.14
14430	1 ½”	1”	1 ½”	2.62	1.16	2.70	1.75	1.91	1.10
14435	1 ½”	1 ¼”	½”	1.93	0.47	2.15	1.00	1.91	1.10
14440	1 ½”	1 ¼”	¾”	2.13	0.67	2.28	1.14	2.09	1.14
14450	1 ½”	1 ¼”	1”	2.26	0.81	2.34	1.20	2.09	1.14
14460	1 ½”	1 ¼”	1 ¼”	2.38	0.93	2.54	1.40	2.24	1.10
14465	1 ½”	1 ¼”	1 ½”	2.62	1.16	2.78	1.63	2.76	1.30
14470	1 ½”	1 ½”	½”	1.93	0.47	1.93	0.47	2.01	1.10
14480	1 ½”	1 ½”	¾”	2.13	0.67	2.13	0.67	2.09	1.14
14490	1 ½”	1 ½”	1”	2.26	0.81	2.26	0.81	2.09	1.14
14500	1 ½”	1 ½”	1 ¼”	2.38	0.93	2.38	0.93	2.24	1.10
14515	2”	1”	1”	2.66	1.04	2.62	1.67	2.44	1.50
14520	2”	1 ¼”	1 ¼”	2.66	1.04	2.89	1.75	2.60	1.46
14530	2”	1 ½”	¾”	2.42	0.81	2.85	1.40	2.40	1.46
14540	2”	1 ½”	1”	2.54	0.93	2.93	1.48	2.44	1.50
14550	2”	1 ½”	1 ¼”	2.66	1.04	3.09	1.63	2.60	1.46
14560	2”	1 ½”	1 ½”	2.78	1.16	3.25	1.79	2.99	1.54
14570	2”	1 ½”	2”	2.99	1.38	3.43	1.97	3.15	1.54
14580	2”	2”	½”	2.42	0.81	2.42	0.81	2.52	1.71
14590	2”	2”	¾”	2.42	0.81	2.42	0.81	2.40	1.46
14600	2”	2”	1”	2.54	0.93	2.54	0.93	2.44	1.50
14610	2”	2”	1 ¼”	2.66	1.04	2.66	1.04	2.60	1.46
14620	2”	2”	1 ½”	2.78	1.16	2.78	1.16	2.99	1.54

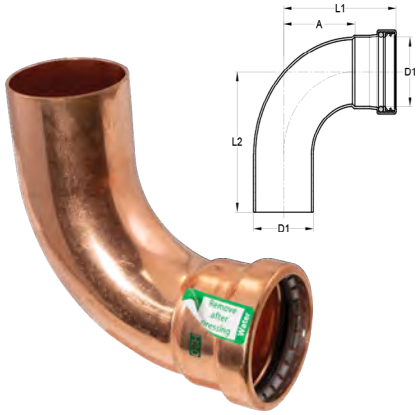


XL 90° Elbow

Item Number	D1 (in)	L (in)	A (in)
22110	2 ½”	4.84	3.11
22120	3”	5.71	3.70
22130	4”	7.17	4.76

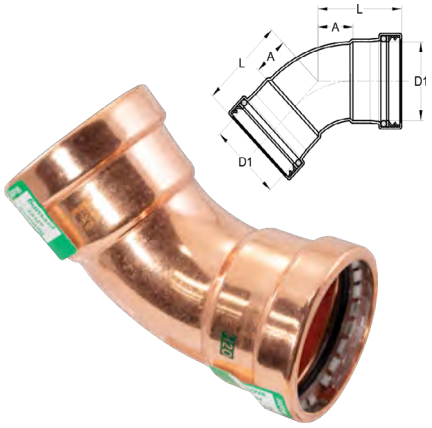
XL 90° Street Elbow

Item Number	D1 (in)	L1 (in)	A (in)	L2 (in)
22140	2 ½”	4.69	2.95	5.16
22150	3”	5.55	3.54	6.06
22160	4”	7.17	4.76	7.64



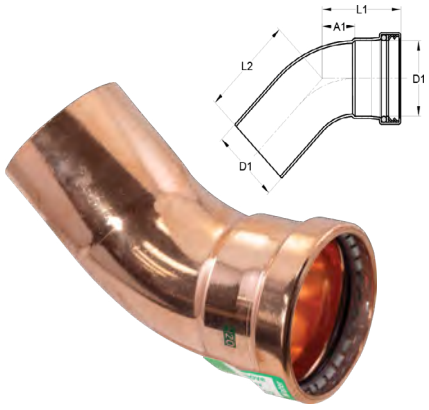
XL 45° Elbow

Item Number	D1 (in)	L (in)	A (in)
22170	2 ½”	3.15	1.42
22180	3”	3.70	1.69
22190	4”	4.80	2.40

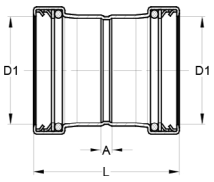


XL 45° Street Elbow

Item Number	D1 (in)	L1 (in)	A (in)	L2 (in)
22200	2 ½”	3.15	1.42	3.39
22210	3”	3.70	1.69	3.98
22220	4”	4.80	2.40	5.08

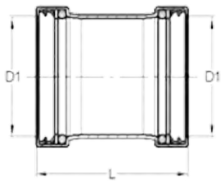


XL Coupling with Stop



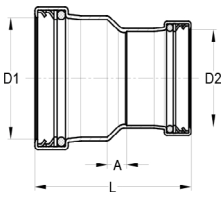
Item Number	D1 (in)	L (in)	A (in)
22230	2 ½”	3.86	0.39
22240	3”	4.37	0.35
22250	4”	5.20	0.39

XL Coupling No Stop



Item Number	D1 (in)	L (in)
22260	2 ½”	3.86
22270	3”	4.37
22280	4”	5.20

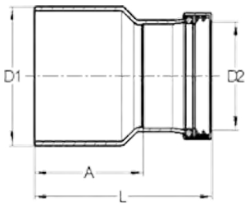
XL Coupling Reducer



Item Number	D1 (in)	D2 (in)	L (in)	A (in)
22290	2 ½”	1”	4.07	1.40
22300	2 ½”	1 ¼”	3.90	1.02
22310	2 ½”	1 ½”	4.17	0.98
22320	2 ½”	2”	3.98	0.63
22330	3”	1 ¼”	4.76	1.61
22340	3”	1 ½”	4.76	1.30
22350	3”	2”	4.65	1.02
22360	3”	2 ½”	4.29	0.55
22370	4”	2”	5.98	1.97
22380	4”	2 ½”	5.47	1.34
22390	4”	3”	5.24	0.83

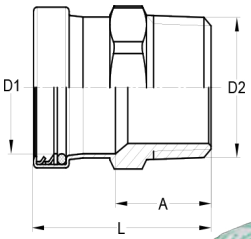
XL Bushing Reducer

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
22400	2 ½”	1”	4.25	3.31
22410	2 ½”	1 ¼”	4.06	2.91
22420	2 ½”	1 ½”	4.29	2.83
22430	2 ½”	2”	4.25	2.64
22440	3”	1 ¼”	4.53	3.39
22450	3”	1 ½”	4.92	3.46
22460	3”	2”	4.80	3.19
22470	3”	2 ½”	4.53	2.80
22480	4”	2”	6.18	4.57
22490	4”	2 ½”	5.79	4.06
22500	4”	3”	5.71	3.70



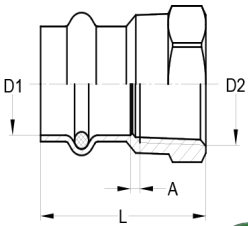
XL Male Adapter

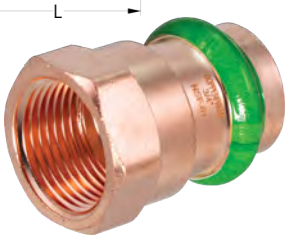
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
22510	2 ½”	2 ½” MPT	3.78	2.05
22520	3”	3” MPT	4.09	2.09
22530	4”	4” MPT	4.69	2.28



SD Female Adapter

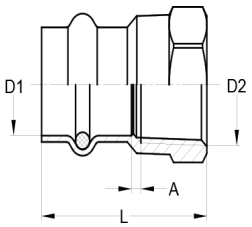
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
22600	½”	⅜” FPT	1.42	0.35
22610	½”	½” FPT	1.61	0.28
22620	½”	¾” FPT	1.65	0.22
22630	¾”	½” FPT	1.61	0.18
22640	¾”	¾” FPT	1.81	0.22
22650	1”	½” FPT	2.09	0.57
22660	1”	¾” FPT	1.73	0.14





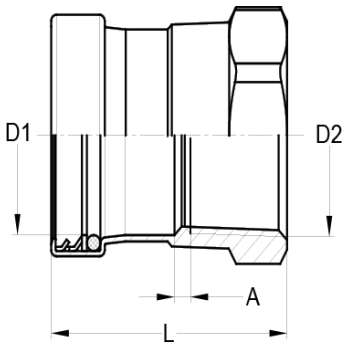
SD Female Adapter (continued)

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
22670	1”	1” FPT	1.89	0.20
22680	1”	1 ¼” FPT	2.13	0.31
22690	1 ¼”	1” FPT	2.09	0.16
22700	1 ¼”	1 ¼” FPT	2.20	0.24
22710	1 ¼”	1 ½” FPT	2.20	0.22
22720	1 ½”	1 ¼” FPT	2.48	0.24
22730	1 ½”	1 ½” FPT	2.52	0.22
22740	2”	2” FPT	2.83	0.22



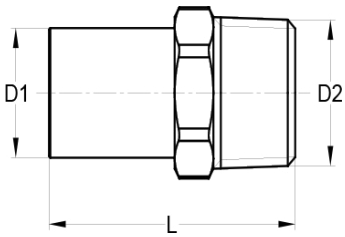
XL Female Adapter

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
22750	2 ½”	2 ½” FPT	3.54	0.67
22760	3”	3” FPT	3.98	0.75
22770	4”	4” FPT	4.37	0.59



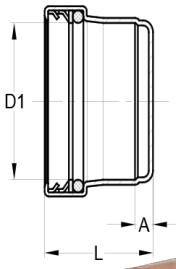
SD Male Street Adapter

Item Number	D1 (in)	D2 (in)	L (in)
22900	½”	⅜” MPT	1.69
22910	½”	⅜” MPT	1.77
22920	½”	¾” MPT	1.93
22930	¾”	½” MPT	1.93
22940	¾”	¾” MPT	1.97
22950	1”	¾” MPT	1.97
22960	1”	1” MPT	2.13
22970	1 ¼”	1 ¼” MPT	2.48
22980	1 ½”	1 ½” MPT	2.87
22990	2”	2” MPT	3.19



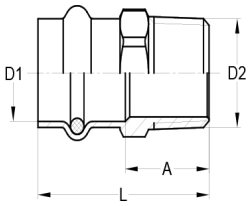
XL Cap

Item Number	D1 (in)	L (in)	A (in)
23110	2 ½”	2.17	0.43
23120	3”	2.44	0.43
23130	4”	2.87	0.47

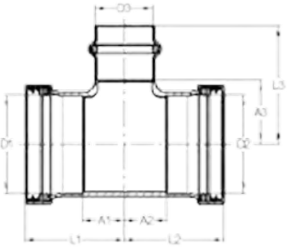


SD Male Adapter

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
23250	½”	⅜” MPT	1.65	0.85
23260	½”	½” MPT	1.69	0.89
23270	½”	¾” MPT	1.77	0.96
23280	¾”	½” MPT	2.05	1.10
23290	¾”	¾” MPT	1.89	0.94
23300	¾”	1” MPT	2.05	1.10
23310	1”	½” MPT	2.13	1.18
23320	1”	¾” MPT	1.93	0.98
23330	1”	1” MPT	1.93	1.22
23340	1”	1 ¼” MPT	2.09	1.14
23350	1 ¼”	1” MPT	2.20	1.06
23360	1 ¼”	1 ¼” MPT	2.20	1.06
23370	1 ¼”	1 ½” MPT	2.28	1.14
23380	1 ½”	1 ¼” MPT	2.70	1.24
23390	1 ½”	1 ½” MPT	2.64	1.18
23400	1 ½”	2” MPT	2.64	1.18
23410	2”	1 ½” MPT	2.83	1.22
23420	2”	2” MPT	2.80	1.46



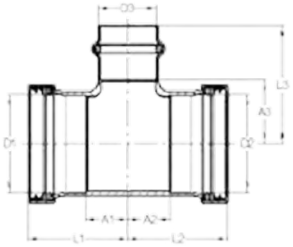
XL Unequal Tee



Item Number	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
24110	2 ½”	¾”	2 ½”	3.56	1.83	4.17	3.23	3.66	1.93
24120	2 ½”	1”	2 ½”	3.56	1.83	4.19	3.25	3.60	1.87
24130	2 ½”	1 ¼”	2 ½”	3.56	1.83	4.35	3.21	3.60	1.87
24140	2 ½”	1 ½”	2 ½”	3.56	1.83	4.61	3.15	3.60	1.87
24150	2 ½”	2”	¾”	3.25	1.52	3.72	2.11	3.74	2.80
24160	2 ½”	2”	1”	3.25	1.52	3.72	2.11	3.54	2.60
24165	2 ½”	2”	1 ¼”	3.25	1.52	3.72	2.11	3.58	2.44
24170	2 ½”	2”	1 ½”	3.25	1.52	3.72	2.11	3.74	2.28
24180	2 ½”	2”	2”	3.25	1.52	3.72	2.11	3.43	1.81
24190	2 ½”	2”	2½”	3.56	1.83	3.56	1.95	3.66	1.93
24200	2 ½”	2 ½”	½”	3.25	1.52	3.25	1.52	3.66	2.85
24210	2 ½”	2 ½”	¾”	3.25	1.52	3.25	1.52	3.70	2.76
24220	2 ½”	2 ½”	1”	3.25	1.52	3.25	1.52	3.58	2.64
24230	2 ½”	2 ½”	1 ¼”	3.25	1.52	3.25	1.52	3.58	2.44
24240	2 ½”	2 ½”	1 ½”	3.25	1.52	3.25	1.52	3.74	2.28
24250	2 ½”	2 ½”	2”	3.25	1.52	3.25	1.52	3.43	1.81
24270	3”	¾”	3”	4.11	2.11	5.10	4.15	4.31	2.30
24280	3”	1”	3”	4.11	2.11	4.92	3.98	4.31	2.30
24290	3”	1 ¼”	3”	4.11	2.11	5.02	3.88	4.31	2.30
24300	3”	1 ½”	3”	4.11	2.11	5.10	3.64	4.31	2.30
24310	3”	2”	2”	3.64	1.63	4.35	2.74	3.76	2.15
24320	3”	2”	2 ½”	3.98	1.97	4.69	3.07	4.00	2.26
24330	3”	2”	3”	4.11	2.11	4.55	2.93	4.31	2.30
24340	3”	2 ½”	2”	3.64	1.63	4.15	2.42	3.76	2.15
24350	3”	2 ½”	2 ½”	3.98	1.97	4.49	2.76	4.00	2.26
24360	3”	2 ½”	3”	4.11	2.11	4.74	3.01	4.31	2.30
24370	3”	3”	½”	3.64	1.63	3.64	1.63	4.07	3.27
24380	3”	3”	¾”	3.64	1.63	3.64	1.63	4.15	3.21
24390	3”	3”	1”	3.64	1.63	3.64	1.63	3.96	3.01
24400	3”	3”	1 ¼”	3.64	1.63	3.64	1.63	4.07	2.93
24410	3”	3”	1 ½”	3.64	1.63	3.64	1.63	4.31	2.85
24420	3”	3”	2”	3.64	1.63	3.64	1.63	3.76	2.15
24430	3”	3”	2 ½”	3.98	1.97	3.98	1.97	4.00	2.26

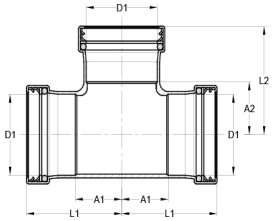
XL Unequal Tee (continued)

Item Number	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
24450	4”	3”	2”	4.02	1.61	4.80	2.80	3.25	1.63
24460	4”	3”	3”	4.51	2.11	4.82	2.81	4.63	2.62
24470	4”	4”	½”	4.02	1.61	4.02	1.61	4.63	3.82
24480	4”	4”	¾”	4.02	1.61	4.02	1.61	4.59	3.64
24490	4”	4”	1”	4.02	1.61	4.02	1.61	4.43	3.48
24500	4”	4”	1 ¼”	4.02	1.61	4.02	1.61	4.43	3.29
24510	4”	4”	1 ½”	4.02	1.61	4.02	1.61	4.59	3.13
24520	4”	4”	2”	4.02	1.61	4.02	1.61	4.23	2.62
24530	4”	4”	2 ½”	4.17	1.77	4.17	1.77	4.47	2.74
24540	4”	4”	3”	4.51	2.11	4.51	2.11	4.59	2.58

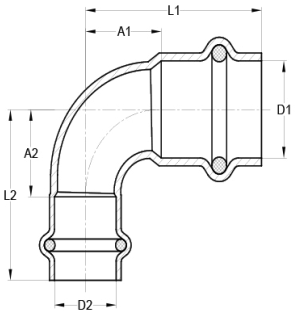


XL Equal Tee

Item Number	D1 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
24255	2 ½”	3.56	1.83	3.66	1.93
24440	3”	4.11	2.11	4.33	2.32
24550	4”	5.00	2.60	5.12	2.72

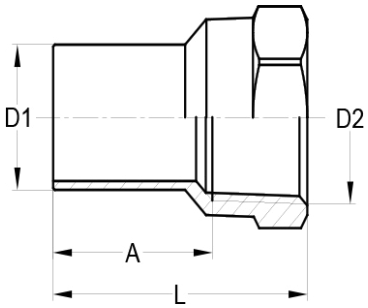


SD 90° Reducing Elbow



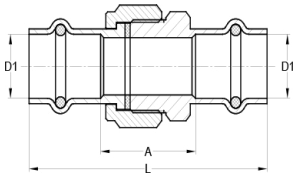
Item Number	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
24560	¾”	½”	1.83	0.89	1.69	0.89
24570	1”	¾”	2.30	1.36	2.01	1.06

SD Female Street Adapter



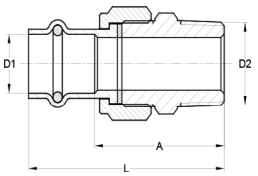
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
32000	½”	⅜” FPT	1.57	1.10
32010	½”	½” FPT	1.73	1.18
32020	½”	¾” FPT	1.93	1.30
32030	¾”	½” FPT	1.73	1.18
32040	¾”	¾” FPT	1.93	1.30
32050	1”	1” FPT	1.81	1.26
32060	1”	½” FPT	1.93	1.30
32065	1”	¾” FPT	1.99	1.28
32070	1 ¼”	½” FPT	2.03	1.48
32080	1 ¼”	1 ¼” FPT	2.32	1.54
32090	1 ½”	1 ½” FPT	2.58	1.75
32100	2”	2” FPT	3.07	2.09

SD Union



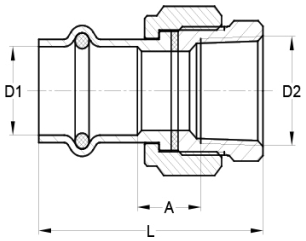
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
33000	½”	½”	2.80	1.18
33010	¾”	¾”	2.99	1.10
33020	1”	1”	3.01	1.12
33030	1 ¼”	1 ¼”	3.43	1.14
33040	1 ½”	1 ½”	4.09	1.18
33050	2”	2”	4.57	1.34

SD Male Union



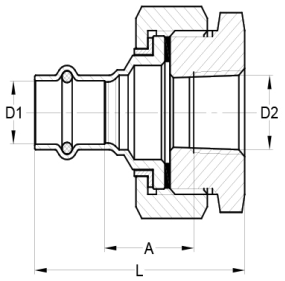
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
34000	½”	½” MPT	2.58	1.77
34010	¾”	¾” MPT	2.72	1.77
34020	1”	1” MPT	2.89	1.95
34030	1 ¼”	1 ¼” MPT	3.27	2.13
34040	1 ½”	1 ½” MPT	3.62	2.17
34050	2”	2” MPT	3.98	2.36

SD Female Union



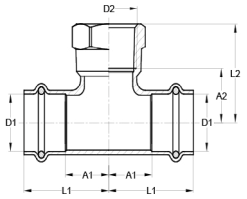
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
35000	½”	½” FPT	1.99	0.67
35010	¾”	¾” FPT	2.15	0.61
35020	1”	1” FPT	2.26	0.65
35030	1 ¼”	1 ¼” FPT	2.93	1.00
35040	1 ½”	1 ½” FPT	2.91	0.67
35050	2”	2” FPT	3.31	0.75

SD Dielectric Female Union



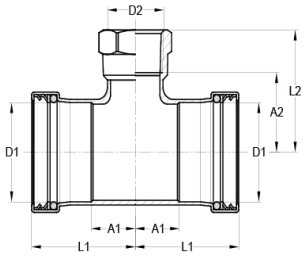
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
37000	½”	½” FPT	2.64	1.32
37010	¾”	¾” FPT	3.07	1.54
37020	1”	1” FPT	2.76	1.14
37030	1 ¼”	1 ¼” FPT	3.03	1.10
37040	1 ½”	1 ½” FPT	3.46	1.22
37050	2”	2” FPT	3.78	1.22

SD Tee Female Reducer P x P x FPT



Item Number	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
40000	½”	½” FPT	1.56	0.75	1.44	0.89
40010	¾”	¼” FPT	1.63	0.69	1.34	0.93
40020	¾”	½” FPT	1.79	0.85	1.38	0.83
40030	¾”	¾” FPT	1.79	0.85	1.61	0.98
40040	1”	½” FPT	1.63	0.69	1.71	1.16
40050	1”	¾” FPT	1.91	0.96	1.85	1.22
40060	1 ¼”	½” FPT	1.87	0.73	1.67	1.12
40070	1 ¼”	¾” FPT	1.99	0.85	1.81	1.18
40080	1 ½”	½” FPT	2.13	0.67	1.83	1.28
40100	1 ½”	¾” FPT	2.26	0.81	1.97	1.34
40110	2”	½” FPT	2.54	0.93	2.09	1.54
40120	2”	¾” FPT	2.54	0.93	2.30	1.67

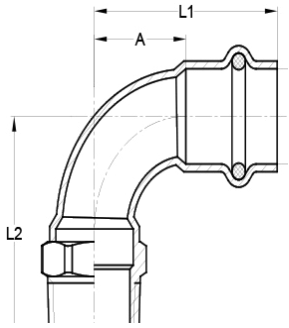
XL Unequal Tee P x P x FPT



Item Number	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
42000	2 ½”	¾” FPT	3.25	1.52	3.50	2.87
42010	2 ½”	2” FPT	3.25	1.52	3.43	2.48
42030	3”	¾” FPT	3.64	1.63	4.02	3.39
42040	3”	2” FPT	3.64	1.63	3.58	2.64
42050	4”	¾” FPT	4.02	1.61	3.90	3.27
42060	´4”	2” FPT	4.02	1.61	3.70	2.76

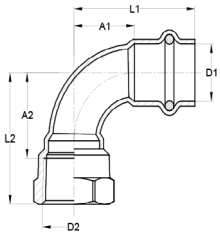
SD 90° Elbow P x MPT

Item Number	D1 (in)	D2 (in)	L1 (in)	A (in)	L2 (in)
47990	½”	½” MPT	1.56	0.75	1.87
48000	½”	¾” MPT	2.01	1.20	2.01
48010	¾”	½” MPT	2.15	1.20	2.15
48012	¾”	¾” MPT	2.03	1.09	2.11
48015	1”	1” MPT	2.24	1.28	2.76
48020	1 ¼”	1 ¼” MPT	2.64	1.50	2.64
48030	1 ½”	1 ½” MPT	3.23	1.77	3.23
48040	2”	2” MPT	4.25	2.64	4.25



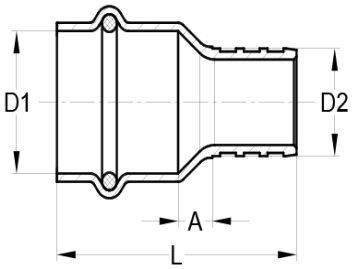
SD 90° Female Elbow P x FPT

Item Number	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
49000	½”	⅜” FPT	1.56	0.75	1.46	1.02
49010	½”	½” FPT	1.73	0.93	1.81	1.30
49020	½”	¾” FPT	1.73	0.93	1.93	1.34
49030	¾”	½” FPT	2.03	1.08	1.97	1.46
49040	¾”	¾” FPT	2.03	1.08	2.09	1.50
49050	1”	½” FPT	2.24	1.30	2.22	1.71
49060	1”	1” FPT	2.24	1.30	2.52	1.85
49070	1 ¼”	1 ¼” FPT	2.64	1.50	3.01	2.22
49080	1 ½”	1 ½” FPT	3.23	1.77	3.27	2.48
49090	2”	2” FPT	3.98	2.36	4.21	3.27



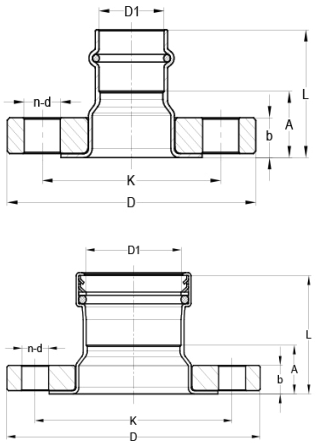
SD Pex Adapter

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
50000	½”	½” PEX	1.73	0.20
50010	½”	¾” PEX	1.59	0.16
50020	¾”	½” PEX	2.03	0.45
50030	¾”	¾” PEX	1.93	0.35
50040	1”	1” PEX	2.13	0.39



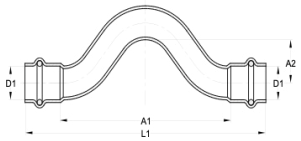
Adapter Flange

Item Number	D1 (in)	L (in)	A (in)	b (in)	D (in)	K (in)	d (in)
60000	1”	2.28	1.34	0.63	4.33	3.11	0.63
60010	1 ¼”	2.28	1.14	0.63	4.53	3.50	0.63
60020	1 ½”	2.60	1.14	0.63	4.92	3.86	0.63
60030	2”	2.76	1.14	0.63	5.91	4.76	0.75
60040	2 ½”	2.83	1.10	0.69	7.09	5.51	0.75
60050	3”	3.35	1.34	0.81	7.48	5.98	0.75
60060	4”	3.74	1.34	0.89	9.06	7.52	0.75



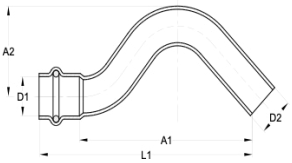
SD Crossover

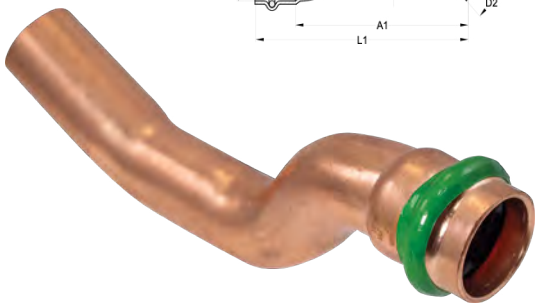
Item Number	D1 (in)	L1 (in)	A1 (in)	A2 (in)
23140	½”	5.20	3.58	0.77
23150	¾”	6.34	4.45	0.91



SD Street Crossover

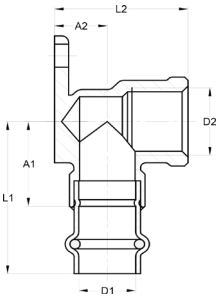
Item Number	D1 (in)	L1 (in)	A1 (in)	A2 (in)
23160	½”	4.61	3.80	1.10
23170	¾”	5.55	4.61	1.54





SD Drop Ear Elbow

Item Number	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
24590	½”	⅜” FPT	1.77	0.94	1.36	0.59
24600	½”	½” FPT	1.77	0.94	1.77	0.94
24610	¾”	¾” FPT	2.13	1.18	2.13	1.18



SD Copper End Press Ball Valve

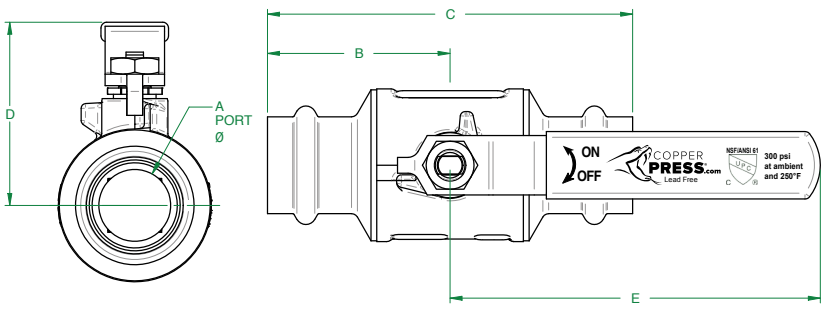
CopperPress® Small Diameter Copper End Press Ball Valve is available in sizes ½" – 2" and is suitable for installation in most plumbing and heating systems including hydronic heating, low pressure steam (15 psi max) and potable water. Ball valves are designed to be used with ASTM B88 Type K, L and M ½" – 2" copper tubing in the hard-drawn condition and soft copper tubing in sizes ½" to 1¼".

- **Visual Indicator Press Ring** – facilitates immediate identification of un-pressed connections
- **Leak Before Press** – in addition to the VIPR, valve incorporates four path LBP technology, guaranteeing a visual indication if not pressed
- **Lead Free Construction** – fully compliant with current lead-free laws
- **Copper Ends** - protect against dezincification and stress corrosion cracking

Operational Parameters: Operating Pressure = 300 psi, Temperature Range 0°F - 250°F

Approvals: IAPMO/ANSI Z1157, NSF ANSI/CAN 61/372, MSS SP-110

Part Number	Size (in)	Dimensions (in)					Weight (lbs)
		A Port Ø	B	C	D	E	
70000	½	0.50	1.56	3.11	1.70	3.94	0.54
70010	¾	0.75	1.89	3.78	1.84	3.94	0.79
70020	1	1.00	2.24	4.49	2.37	4.92	1.39
70030	1¼	1.25	2.56	5.12	3.02	5.84	2.74
70040	1½	1.50	2.83	5.67	3.16	6.30	4.30
70050	2	2.00	3.44	6.89	4.21	7.87	7.30



Standard Materials List		
Body		C89836 bronze
Ball	Sizes ½" - 1"	chrome plated C46500 brass
	Sizes 1¼" - 2"	304 stainless steel
Seat		PTFE
Retainer		C12200 copper
O-ring		EPDM
Stem		C46500 brass
Stem Packing		PTFE
Packing Gland		HPb59-3P brass
Handle		Zn Plated Q235 carbon steel
Stem Nut		Zn Plated Q235 carbon steel

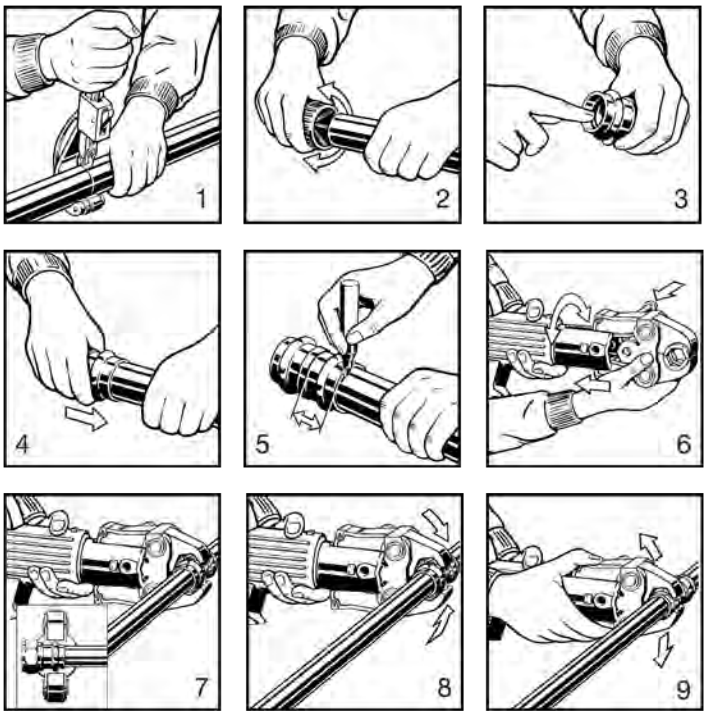
CopperPress® fittings are designed to be joined with ASTM B88 seamless copper water tube (K, L, & M) in residential and commercial plumbing and mechanical systems. Listed below are common applications approved for CopperPress® fittings.

Fluids / Water - Potable			
Hot and Cold Water	—	200 psi	40°F to 250°F
Rainwater / Grey Water	—	200 psi	32°F to 250°F
Chilled Water	Ethylene Glycol / Propylene Glycol	200 psi	0°F to 250°F
Hydronic Heating	Ethylene Glycol / Propylene Glycol	200 psi	0°F to 250°F
Cooling Water	Up to 50% Ethylene Glycol or Propylene Glycol solution	200 psi	0°F to 250°F
Low-Pressure Steam	—	Up to 15 psi	250°F
Fuel, Oil and Lubricant			
Ethanol	Pure Grain Alcohol	200 psi	—
Gases			
Compressed Air	Less than 25mg/m^3 oil content	200 psi	Up to 140°F
Oxygen - O_2 (non-medical)	Keep oil and fat free/non-liquid O_2	140 psi	Up to 140°F
Nitrogen - N_2	—	200 psi	Up to 140°F
Argon	Welding Use	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	—	Up to 140°F

Contact Customer Service at **(877) 890-2283** or **www.copperpress.com** for more information on applications not listed and applications outside the temperature and pressure ranges listed above.

Fluids containing hydrocarbon-based oils are not compatible with the EPDM seal.

Small Diameter (SD)

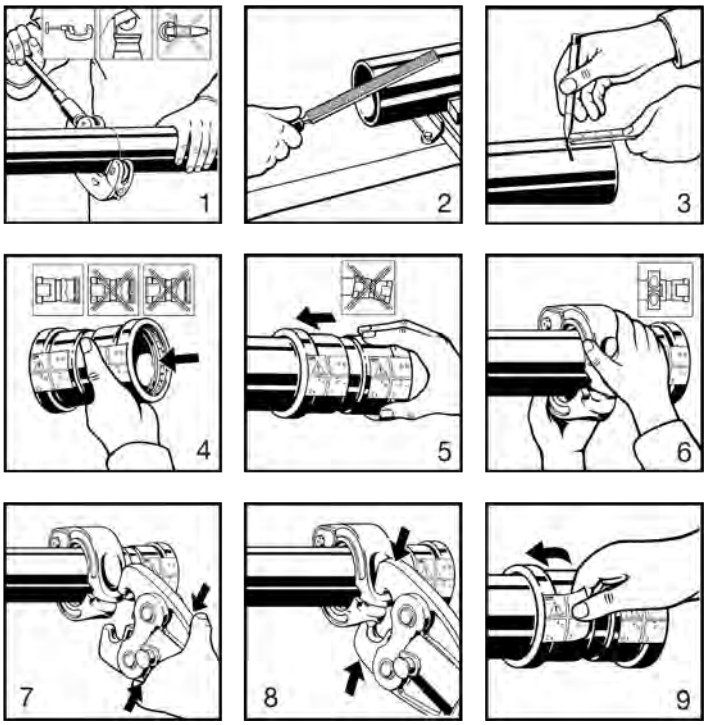


CopperPress® Insertion Depth Chart						
Tube Size	½”	¾”	1”	1 ¼”	1 ½”	2”
Insertion Depth	¾”	⅞”	⅞”	1”	1 7/16”	1 9/16”

WARNING. Read and understand all instructions for installing CopperPress®. Failure to follow all instructions may result in extensive property damage, serious injury or death.

1. Cut copper tubing at right angles using displacement type cutter or fine-toothed steel saw.
2. Remove burr from inside and outside of tubing to prevent cutting sealing element.
3. Check seal for correct fit. Do not use oils or lubricants. Use only CopperPress® sealing elements.
4. Mark proper insertion depth as indicated by the CopperPress® Insertion Depth Chart. Improper insertion depth may result in improper seal.
5. While turning slightly, slide press fitting onto tubing to the marked depth.
   Note: End of tubing must contact stop.
6. Insert approved jaw into the pressing tool and push in, holding pin until it locks in place.
7. Open the jaw and place at right angles on the fitting. Visually check insertion depth using mark on tubing.
8. Start pressing process and hold the trigger until the jaw has engaged the fitting.
9. After pressing cycle is completed, the jaw can be opened again.

Extra Large Diameter (XL)



CopperPress® Insertion Depth Chart			
Tube Size	2 ½”	3”	4”
Insertion Depth	1 11/16”	1 15/18”	2 3/8”

WARNING. Read and understand all instructions for installing CopperPress®. Failure to follow all instructions may result in extensive property damage, serious injury or death.

1. Cut copper tubing at right angle using displacement type cutter or fine-toothed steel saw.
2. Remove burr from inside and outside of tubing to prevent cutting sealing element.
3. Measure and mark Proper insertion depth as indicated by the CopperPress® insertion depth chart.
   Note: Improper insertion may result in improper seal.
4. Check sealing element in CopperPress® product for correct fit. Do not use oils or lubricants. Use only CopperPress® sealing elements.
5. While turning slightly, slide press fitting onto tubing to the marked depth or until fully seated on stop.
6. Using approved CopperPress® Press tool and jaw/rings sets place the ring over the fitting at the bead to be pressed.
7. Open the Jaw on the press tool and close on the appropriate location on the ring.
8. Start the pressing process by holding the trigger continuously until the tool has made a complete press cycle.
9. After tool has completed a full press cycle the jaw and ring can be opened and removed. Remove the application label sticker to complete the process.

LEAK TESTING

Unpressed connections are located by pressurizing the system with air or water When testing with water the proper pressure range is 15 psi to 85 psi maximum Leak testing with air can be dangerous at high pressures. When testing with compressed air the proper pressure range is ½ psi to 45 psi maximum. Following a successful leak test, the system may be pressure tested up to 200 psi with air, or up to 600 psi with water, if required by local code requirements or project specifications.

NOTES

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FOCUSED

on the details that matter the most to our customers

(877) 890-2283

www.copperpress.com

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