

CopperPress® Fitting Dimensional Catalog



MERIT
BRASS

DIRECTING THE FLOW OF *Quality*

CopperPress® Fittings



Merit's line of high-quality copper press fittings is designed to help professionals quickly and safely install press technology to join with copper tubing. With skilled labor constraints, CopperPress' Visual Leak Before Press Ring (VLBPR) provides a greater ease of installation. This is available in 1/2" - 4" and packaged in common industry quantities.



Want to learn more? Click on the links below:

- [Benefits & Features](#)
- [Approvals](#)
- [Tooling](#)
- [Merit Line Card](#)
- [List Price Sheet](#)
- [Videos](#)
- [FAQs](#)



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*Conforms with lead content requirements for lead-free plumbing as defined by the U.S. Safe Drinking Water Act. Certified ≤ 0.25 weighted average % lead.

System Description

Merit's line of CopperPress fittings are for use in plumbing or mechanical applications. Sizes range from 1/2" - 4" and is made of lead-free dezincification resistant copper with an EPDM or HNBR o-ring. CopperPress fittings are designed to be used with ASTM B88 Type K, L and M 1/2" - 4" copper tubing in the hard-drawn condition and soft copper tubing in sizes 1/2" to 1 1/4".

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

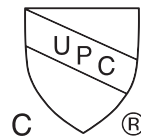
- Fast and easy to use
- Flameless
- Permanent connections
- Size range from 1/2" to 4"
- Large selection of fittings
- Consistent professional appearance
- Less equipment required
- Environmentally friendly system
- Compatibility of fittings and tools

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)

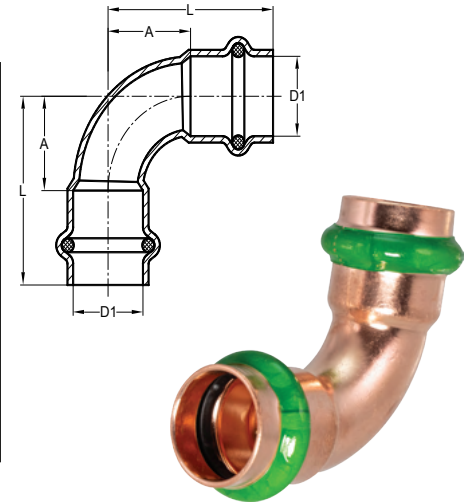
Approvals and Certifications

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



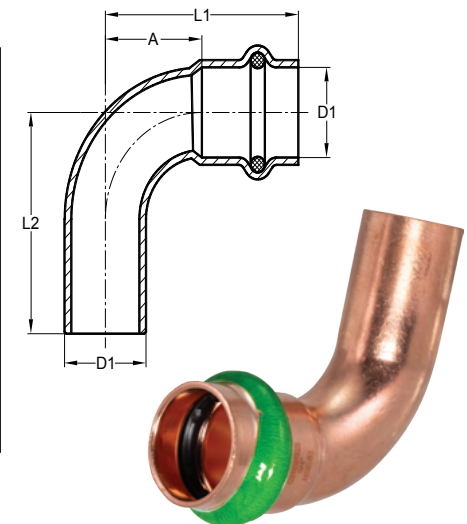
Small Diameter 90° Elbow

Item Number	Size D1 (in)	L (in)	A (in)
PC1-08	½"	1.56	0.75
PC1-12	¾"	1.97	1.02
PC1-16	1"	2.24	1.30
PC1-20	1 ¼"	2.64	1.50
PC1-24	1 ½"	3.23	1.77
PC1-32	2"	3.98	2.36



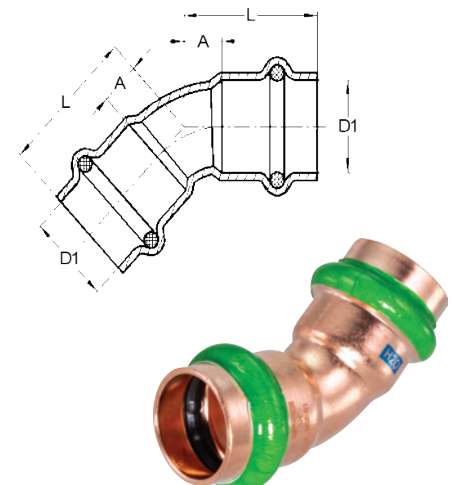
Small Diameter 90° Street Elbow

Item Number	D1 (in)	L1 (in)	A (in)	L2 (in)
PC3-08	½"	1.56	0.75	1.73
PC3-12	¾"	2.03	1.08	2.13
PC3-16	1"	2.24	1.30	2.36
PC3-20	1 ¼"	2.64	1.50	2.93
PC3-24	1 ½"	3.23	1.77	3.54
PC3-32	2"	3.98	2.17	4.29



Small Diameter 45° Elbow

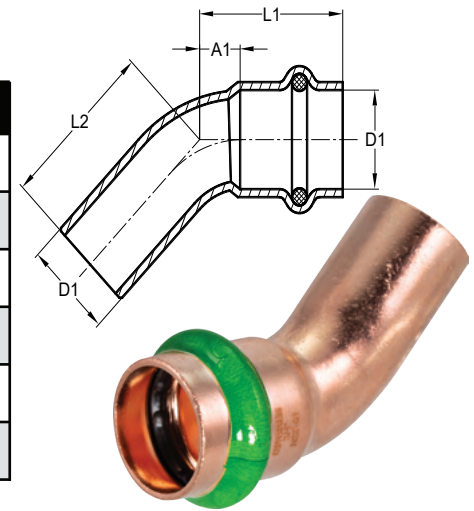
Item Number	Size D1 (in)	L (in)	A (in)
PC2-08	½"	1.10	0.30
PC2-12	¾"	1.40	0.45
PC2-16	1"	1.42	0.47
PC2-20	1 ¼"	1.97	0.83
PC2-24	1 ½"	2.30	0.85
PC2-32	2"	2.44	0.83



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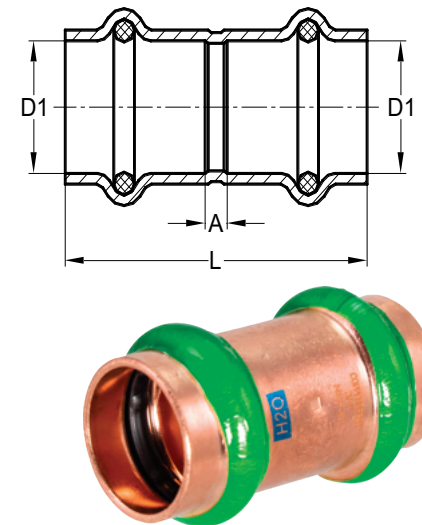
Small Diameter **45° Street Elbow**

Item Number	Size D1 (in)	L1 (in)	A (in)	L2 (in)
PC3A-08	½"	1.10	0.30	1.22
PC3A-12	¾"	1.40	0.45	1.46
PC3A-16	1"	1.52	0.57	1.57
PC3A-20	1 ¼"	1.97	0.83	1.94
PC3A-24	1 ½"	2.30	0.85	2.36
PC3A-32	2"	2.44	0.83	2.76



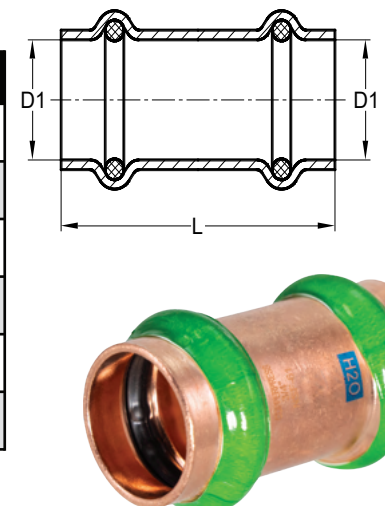
Small Diameter **Coupling With Stop**

Item Number	D1 (in)	D2 (in)	L (in)
PC11-08	½"	1.61	0.12
PC11-12	¾"	2.05	0.16
PC11-16	1"	2.05	0.16
PC11-20	1 ¼"	2.44	0.16
PC11-24	1 ½"	3.03	0.16
PC11-32	2"	3.35	0.16



Small Diameter **Coupling No Stop**

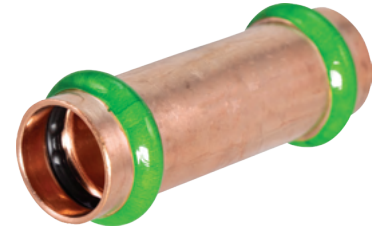
Item Number	D1 (in)	L (in)
PCNS11-08	½"	1.69
PCNS11-12	¾"	2.05
PCNS11-16	1"	2.05
PCNS11-20	1 ¼"	2.44
PCNS11-24	1 ½"	3.03
PCNS11-32	2"	3.35



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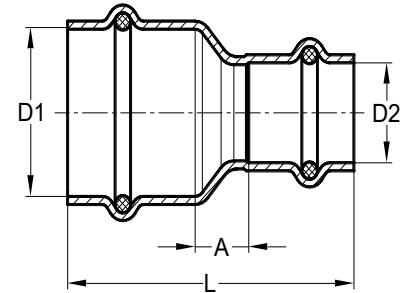
Small Diameter **Extended Coupling No Stop**

Item Number	D1 (in)	L (in)
PCECNS-08	½"	2.99
PCECNS-12	¾"	3.50
PCECNS-16	1"	3.74
PCECNS-20	1 ¼"	4.13
PCECNS-24	1 ½"	4.72
PCECNS-32	2"	5.31



Small Diameter **Coupling Reducer**

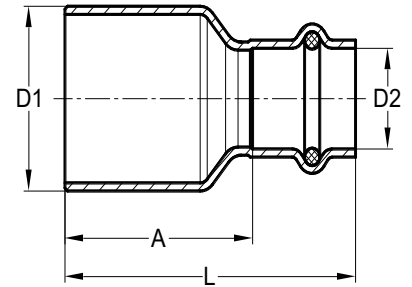
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PC12-1208	¾"	½"	2.11	0.35
PC12-1608	1"	½"	2.26	0.51
PC12-1612	1"	¾"	2.24	0.35
PC12-2008	1 ¼"	½"	2.68	0.73
PC12-2012	1 ¼"	¾"	2.66	0.57
PC12-2016	1 ¼"	1"	2.50	0.41
PC12-2408	1 ½"	½"	3.27	0.93
PC12-2412	1 ½"	¾"	3.23	0.83
PC12-2416	1 ½"	1"	3.03	0.63
PC12-2420	1 ½"	1 ¼"	3.07	0.47
PC12-3208	2"	½"	3.86	1.36
PC12-3212	2"	¾"	3.76	1.20
PC12-3216	2"	1"	3.54	0.98
PC12-3220	2"	1 ¼"	3.58	0.83
PC12-3224	2"	1 ½"	3.76	0.69



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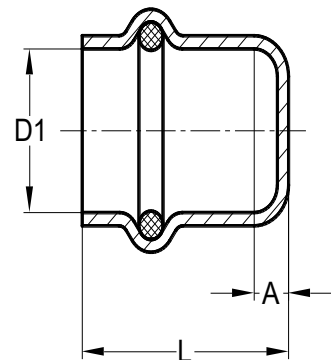
Small Diameter **Bushing Reducer**

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PC14-1208	¾"	½"	2.15	1.34
PC14-1608	1"	½"	2.32	1.52
PC14-1612	1"	¾"	2.24	1.30
PC14-2008	1 ¼"	½"	2.64	1.83
PC14-2012	1 ¼"	¾"	2.64	1.69
PC14-2016	1 ¼"	1"	2.52	1.57
PC14-2408	1 ½"	½"	3.03	2.22
PC14-2412	1 ½"	¾"	3.11	2.17
PC14-2416	1 ½"	1"	2.95	2.01
PC14-2420	1 ½"	1 ¼"	3.03	1.89
PC14-3208	2"	½"	3.66	2.85
PC14-3212	2"	¾"	3.74	2.80
PC14-3216	2"	1"	3.54	2.60
PC14-3220	2"	1 ¼"	3.58	2.44
PC14-3224	2"	1 ½"	3.70	2.24



Small Diameter **Cap**

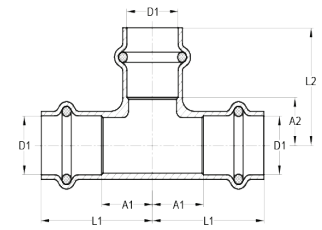
Item Number	D1 (in)	L (in)	A (in)
PC16-08	½"	0.94	0.14
PC16-12	¾"	1.06	0.12
PC16-16	1"	1.06	0.12
PC16-20	1 ¼"	1.26	0.12
PC16-24	1 ½"	1.69	0.24
PC16-32	2"	1.85	0.24



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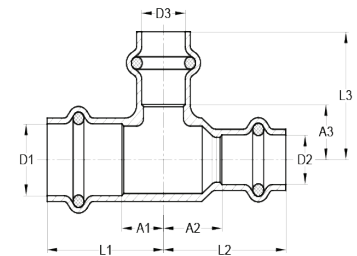
Small Diameter **Equal Tee**

Item Number	D1 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
PC6-08	½"	1.56	0.75	1.28	0.47
PC6-12	¾"	1.79	0.85	1.59	0.65
PC6-16	1"	1.91	0.96	1.73	0.79
PC6-20	1¼"	2.13	0.98	1.97	0.83
PC6-24	1½"	2.62	1.16	2.76	1.30
PC6-32	2"	2.99	1.38	3.15	1.54



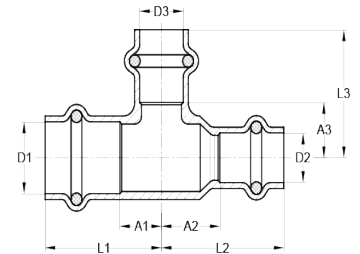
Small Diameter **Unequal Tee**

Item Number	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
PC6-080812	½"	½"	¾"	1.71	0.91	1.71	0.91	1.54	0.59
PC6-080816	½"	½"	1"	2.22	1.42	2.22	1.42	1.73	0.79
PC6-120808	¾"	½"	½"	1.63	0.69	1.75	0.95	1.44	0.63
PC6-120812	¾"	½"	¾"	1.79	0.85	1.87	1.06	1.59	0.65
PC6-121208	¾"	¾"	½"	1.63	0.69	1.63	0.69	1.44	0.63
PC6-121216	¾"	¾"	1"	1.91	0.97	1.91	0.97	2.03	1.08
PC6-160808	1"	½"	½"	1.63	0.69	2.01	1.20	1.59	0.79
PC6-160812	1"	½"	¾"	1.79	0.85	2.13	1.32	1.73	0.79
PC6-160816	1"	½"	1"	1.91	0.97	2.22	1.42	1.73	0.79
PC6-161208	1"	¾"	½"	1.63	0.69	1.91	0.96	1.59	0.79
PC6-161212	1"	¾"	¾"	1.79	0.85	2.01	1.06	1.73	0.79
PC6-161216	1"	¾"	1"	1.91	0.96	2.17	1.22	1.73	0.79
PC6-161608	1"	1"	½"	1.63	0.69	1.63	0.69	1.59	0.79
PC6-161612	1"	1"	¾"	1.79	0.85	1.79	0.85	1.73	0.79
PC6-161620	1"	1"	1 ¼"	1.93	0.98	1.93	0.98	2.32	1.18
PC6-200820	1 ¼"	½"	1 ¼"	2.13	0.98	2.62	1.81	1.91	0.83
PC6-201208	1 ¼"	¾"	½"	1.77	0.63	2.19	1.24	1.93	1.12
PC6-201212	1 ¼"	¾"	¾"	1.87	0.73	2.28	1.34	1.97	1.02
PC6-201216	1 ¼"	¾"	1"	1.99	0.85	2.38	1.44	2.05	1.10
PC6-201220	1 ¼"	¾"	1 ¼"	2.13	0.98	2.44	1.50	1.97	0.83



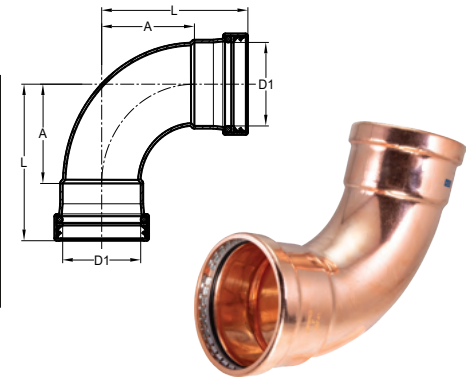
Small Diameter **Unequal Tee** (continued)

Item Number	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
PC6-201608	1 ¼"	1"	½"	1.77	0.63	2.09	1.14	1.93	1.12
PC6-201612	1 ¼"	1"	¾"	1.87	0.73	2.11	1.16	1.97	1.02
PC6-201616	1 ¼"	1"	1"	1.99	0.85	2.22	1.28	2.05	1.10
PC6-201620	1 ¼"	1"	1 ¼"	2.13	0.98	2.24	1.30	1.97	0.83
PC6-202008	1 ¼"	1 ¼"	½"	1.77	0.63	1.77	0.63	1.93	1.12
PC6-202012	1 ¼"	1 ¼"	¾"	1.87	0.73	1.87	0.73	1.97	1.02
PC6-202016	1 ¼"	1 ¼"	1"	1.99	0.85	1.99	0.85	2.05	1.10
PC6-240824	1 ½"	½"	1 ½"	2.01	1.16	2.91	2.11	2.76	1.30
PC6-241612	1 ½"	1"	¾"	2.13	0.67	2.36	1.42	2.09	1.14
PC6-241616	1 ½"	1"	1"	2.26	0.81	2.38	1.44	2.09	1.14
PC6-241624	1 ½"	1"	1 ½"	2.62	1.16	2.70	1.75	1.91	1.10
PC6-242008	1 ½"	1 ¼"	½"	1.93	0.47	2.15	1.00	1.91	1.10
PC6-242012	1 ½"	1 ¼"	¾"	2.13	0.67	2.28	1.14	2.09	1.14
PC6-242016	1 ½"	1 ¼"	1"	2.26	0.81	2.34	1.20	2.09	1.14
PC6-242020	1 ½"	1 ¼"	1 ¼"	2.38	0.93	2.54	1.40	2.24	1.10
PC6-242024	1 ½"	1 ¼"	1 ½"	2.62	1.16	2.78	1.63	2.76	1.30
PC6-242408	1 ½"	1 ½"	½"	1.93	0.47	1.93	0.47	2.01	1.10
PC6-242412	1 ½"	1 ½"	¾"	2.13	0.67	2.13	0.67	2.09	1.14
PC6-242416	1 ½"	1 ½"	1"	2.26	0.81	2.26	0.81	2.09	1.14
PC6-242420	1 ½"	1 ½"	1 ¼"	2.38	0.93	2.38	0.93	2.24	1.10
PC6-321616	2"	1"	1"	2.66	1.04	2.62	1.67	2.44	1.50
PC6-322020	2"	1 ¼"	1 ¼"	2.66	1.04	2.89	1.75	2.60	1.46
PC6-322412	2"	1 ½"	¾"	2.42	0.81	2.85	1.40	2.40	1.46
PC6-322416	2"	1 ½"	1"	2.54	0.93	2.93	1.48	2.44	1.50
PC6-322420	2"	1 ½"	1 ¼"	2.66	1.04	3.09	1.63	2.60	1.46
PC6-322424	2"	1 ½"	1 ½"	2.78	1.16	3.25	1.79	2.99	1.54
PC6-322432	2"	1 ½"	2"	2.99	1.38	3.43	1.97	3.15	1.54
PC6-323208	2"	2"	½"	2.42	0.81	2.42	0.81	2.52	1.71
PC6-323212	2"	2"	¾"	2.42	0.81	2.42	0.81	2.40	1.46
PC6-323216	2"	2"	1"	2.54	0.93	2.54	0.93	2.44	1.50
PC6-323220	2"	2"	1 ¼"	2.66	1.04	2.66	1.04	2.60	1.46
PC6-323224	2"	2"	1 ½"	2.78	1.16	2.78	1.16	2.99	1.54



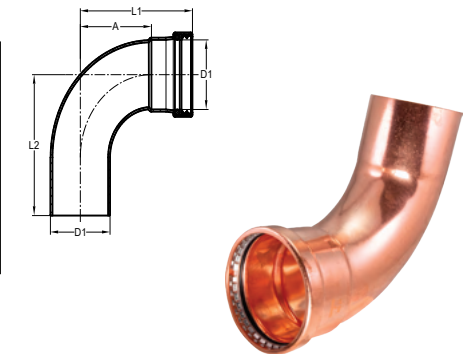
XL 90° Elbow

Item Number	D1 (in)	L (in)	A (in)
PC1-40	2 ½"	4.84	3.11
PC1-48	3"	5.71	3.70
PC1-64	4"	7.17	4.76



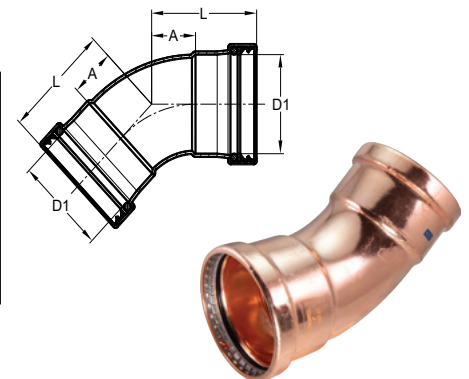
XL 90° Street Elbow

Item Number	D1 (in)	L1 (in)	A (in)	L2 (in)
PC3-40	2 ½"	4.69	2.95	5.16
PC3-48	3"	5.55	3.54	6.06
PC3-64	4"	7.17	4.76	7.64



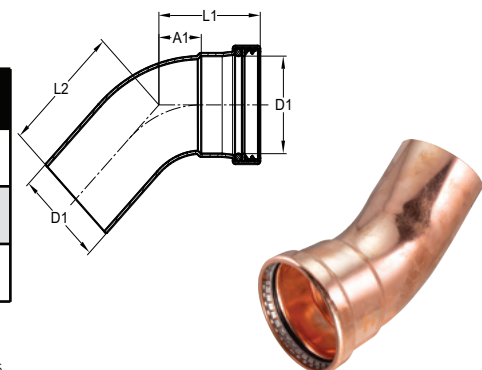
XL 45° Elbow

Item Number	D1 (in)	L (in)	A (in)
PC2-40	2 ½"	3.15	1.42
PC2-48	3"	3.70	1.69
PC2-64	4"	4.80	2.40



XL 45° Street Elbow

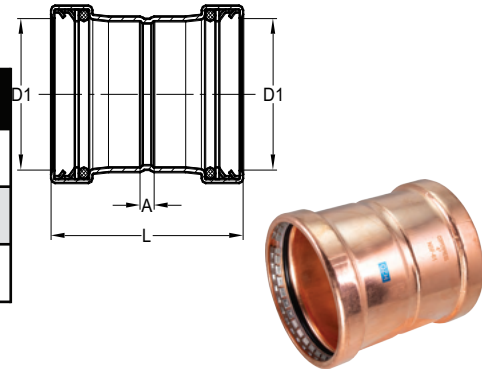
Item Number	D1 (in)	L1 (in)	A (in)	L2 (in)
PC3A-40	2 ½"	3.15	1.42	3.39
PC3A-48	3"	3.70	1.69	3.98
PC3A-64	4"	4.80	2.40	5.08



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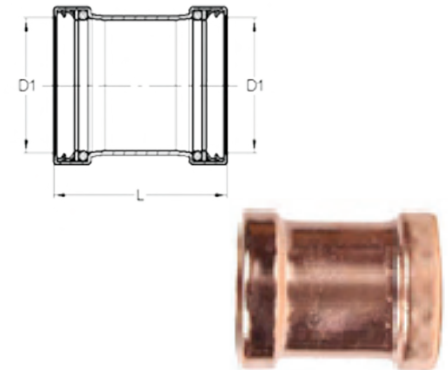
XL Coupling with Stop

Item Number	D1 (in)	L (in)	A (in)
PC11-40	2 ½"	3.86	0.39
PC11-48	3"	4.37	0.35
PC11-64	4"	5.20	0.39



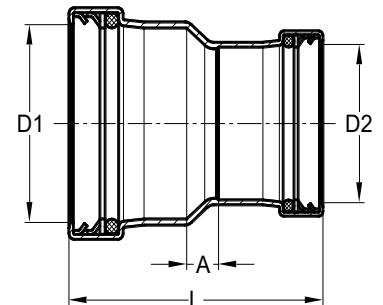
XL Coupling No Stop

Item Number	D1 (in)	L (in)
PCNS11-40	2 ½"	3.86
PCNS11-48	3"	4.37
PCNS11-64	4"	5.20



XL Coupling Reducer

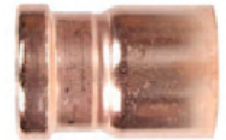
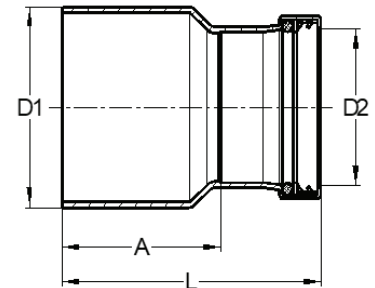
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PC12-4016	2 ½"	1"	4.07	1.40
PC12-4020	2 ½"	1 ¼"	3.90	1.02
PC12-4024	2 ½"	1 ½"	4.17	0.98
PC12-4032	2 ½"	2"	3.98	0.63
PC12-40820	3"	1 ¼"	4.76	1.61
PC12-4824	3"	1 ½"	4.76	1.30
PC12-4832	3"	2"	4.65	1.02
PC12-4840	3"	2 ½"	4.29	0.55
PC12-6432	4"	2"	5.98	1.97
PC12-6440	4"	2 ½"	5.47	1.34
PC12-6448	4"	3"	5.24	0.83



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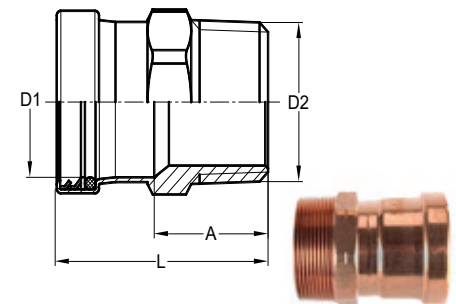
XL Bushing Reducer

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PC14-4016	2 ½"	1"	4.25	3.31
PC14-4020	2 ½"	1 ¼"	4.06	2.91
PC14-4024	2 ½"	1 ½"	4.29	2.83
PC14-4032	2 ½"	2"	4.25	2.64
PC14-4820	3"	1 ¼"	4.53	3.39
PC14-4824	3"	1 ½"	4.92	3.46
PC14-4832	3"	2"	4.80	3.19
PC14-4840	3"	2 ½"	4.53	2.80
PC14-6432	4"	2"	6.18	4.57
PC14-6440	4"	2 ½"	5.79	4.06
PC14-6448	4"	3"	5.71	3.70



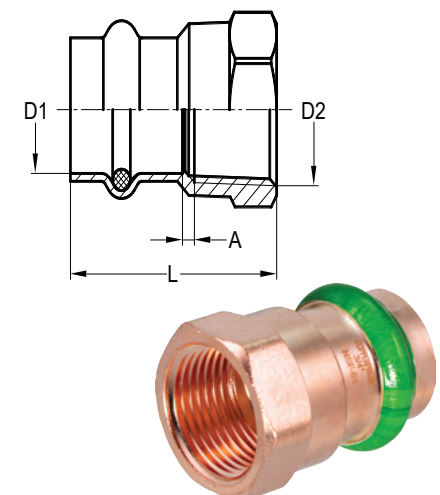
XL Male Adapter

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PCMA-40	2 ½"	2 ½" MPT	3.78	2.05
PCMA-48	3"	3" MPT	4.09	2.09
PCMA-64	4"	4" MPT	4.69	2.28



Small Diameter Female Adapter

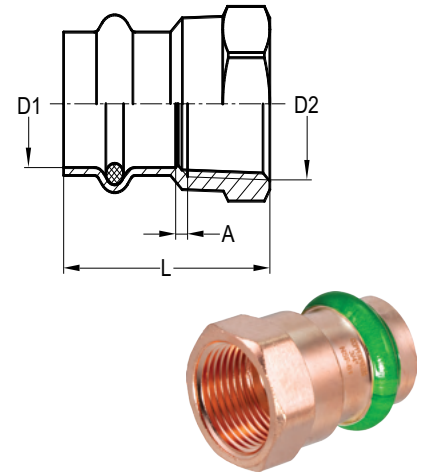
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PCFA-0806	½"	⅜" FPT	1.42	0.35
PCFA-08	½"	½" FPT	1.61	0.28
PCFA-0812	½"	¾" FPT	1.65	0.22
PCFA-1208	¾"	½" FPT	1.61	0.18
PCFA-12	¾"	¾" FPT	1.81	0.22
PCFA-1608	1"	½" FPT	2.09	0.57
PCFA-1612	1"	¾" FPT	1.73	0.14



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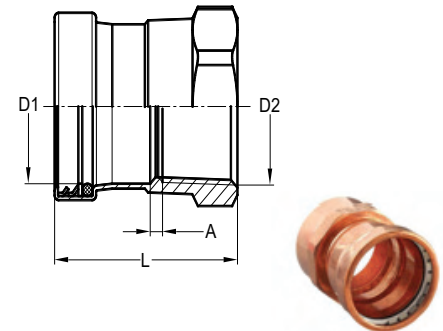
Small Diameter **Female Adapter** (continued)

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PCFA-16	1"	1" FPT	1.89	0.20
PCFA-1620	1"	1 ¼" FPT	2.13	0.31
PCFA-2016	1 ¼"	1" FPT	2.09	0.16
PCFA-20	1 ¼"	1 ¼" FPT	2.20	0.24
PCFA-2024	1 ¼"	1 ½" FPT	2.20	0.22
PCFA-2420	1 ½"	1 ¼" FPT	2.48	0.24
PCFA-24	1 ½"	1 ½" FPT	2.52	0.22
PCFA-32	2"	2" FPT	2.83	0.22



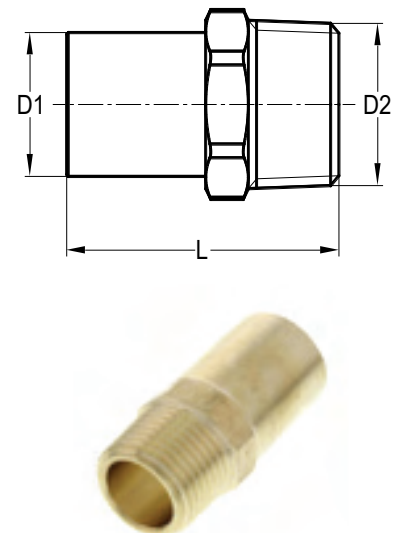
XL **Female Adapter**

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PCFA-40	2 ½"	2 ½" FPT	3.54	0.67
PCFA-48	3"	3" FPT	3.98	0.75
PCFA-64	4"	4" FPT	4.37	0.59



Small Diameter **Male Street Adapter**

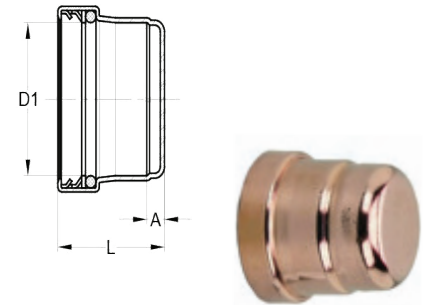
Item Number	D1 (in)	D2 (in)	L (in)
PC3MA-0806	½"	⅜" MPT	1.69
PC3MA-08	½"	½" MPT	1.77
PC3MA-0812	½"	¾" MPT	1.93
PC3MA-1208	¾"	½" MPT	1.93
PC3MA-12	¾"	¾" MPT	1.97
PC3MA-1612	1"	¾" MPT	1.97
PC3MA-16	1"	1" MPT	2.13
PC3MA-20	1 ¼"	1 ¼" MPT	2.48
PC3MA-24	1 ½"	1 ½" MPT	2.87
PC3MA-32	2"	2" MPT	3.19



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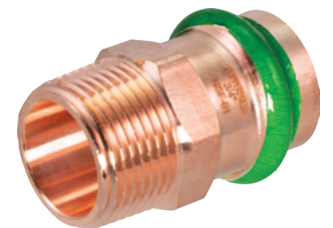
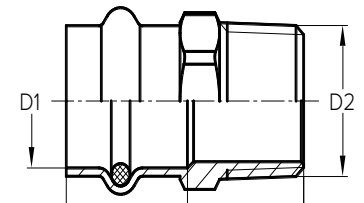
XL Cap

Item Number	D1 (in)	L (in)	A (in)
PC16-40	2 ½"	2.17	0.43
PC16-48	3"	2.44	0.43
PC16-64	4"	2.87	0.47



Small Diameter Male Adapter

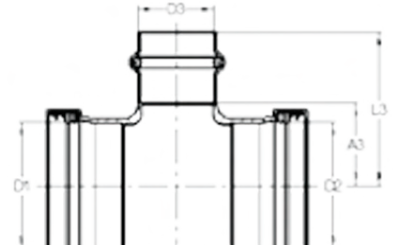
Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PCMA-0806	½"	⅜" MPT	1.65	0.85
PCMA-08	½"	½" MPT	1.69	0.89
PCMA-0812	½"	¾" MPT	1.77	0.96
PCMA-1208	¾"	½" MPT	2.05	1.10
PCMA-12	¾"	¾" MPT	1.89	0.94
PCMA-1216	¾"	1" MPT	2.05	1.10
PCMA-1608	1"	½" MPT	2.13	1.18
PCMA-1612	1"	¾" MPT	1.93	0.98
PCMA-16	1"	1" MPT	1.93	1.22
PCMA-1620	1"	1 ¼" MPT	2.09	1.14
PCMA-2016	1 ¼"	1" MPT	2.20	1.06
PCMA-20	1 ¼"	1 ¼" MPT	2.20	1.06
PCMA-2024	1 ¼"	1 ½" MPT	2.28	1.14
PCMA-2420	1 ½"	1 ¼" MPT	2.70	1.24
PCMA-20	1 ½"	1 ½" MPT	2.64	1.18
PCMA-2432	1 ½"	2" MPT	2.64	1.18
PCMA-3224	2"	1 ½" MPT	2.83	1.22
PCMA-32	2"	2" MPT	2.80	1.46



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XL Unequal Tee

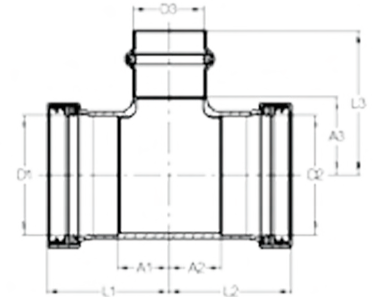
Item Number	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
PC6-401240	2 ½"	¾"	2 ½"	3.56	1.83	4.17	3.23	3.66	1.93
PC6-401640	2 ½"	1"	2 ½"	3.56	1.83	4.19	3.25	3.60	1.87
PC6-402040	2 ½"	1 ¼"	2 ½"	3.56	1.83	4.35	3.21	3.60	1.87
PC6-402440	2 ½"	1 ½"	2 ½"	3.56	1.83	4.61	3.15	3.60	1.87
PC6-403212	2 ½"	2"	¾"	3.25	1.52	3.72	2.11	3.74	2.80
PC6-403216	2 ½"	2"	1"	3.25	1.52	3.72	2.11	3.54	2.60
PC6-403220	2 ½"	2"	1 ¼"	3.25	1.52	3.72	2.11	3.58	2.44
PC6-403224	2 ½"	2"	1 ½"	3.25	1.52	3.72	2.11	3.74	2.28
PC6-403232	2 ½"	2"	2"	3.25	1.52	3.72	2.11	3.43	1.81
PC6-403240	2 ½"	2"	2 ½"	3.56	1.83	3.56	1.95	3.66	1.93
PC6-404008	2 ½"	2 ½"	½"	3.25	1.52	3.25	1.52	3.66	2.85
PC6-404012	2 ½"	2 ½"	¾"	3.25	1.52	3.25	1.52	3.70	2.76
PC6-404016	2 ½"	2 ½"	1"	3.25	1.52	3.25	1.52	3.58	2.64
PC6-404020	2 ½"	2 ½"	1 ¼"	3.25	1.52	3.25	1.52	3.58	2.44
PC6-404024	2 ½"	2 ½"	1 ½"	3.25	1.52	3.25	1.52	3.74	2.28
PC6-404032	2 ½"	2 ½"	2"	3.25	1.52	3.25	1.52	3.43	1.81
PC6-481248	3"	¾"	3"	4.11	2.11	5.10	4.15	4.31	2.30
PC6-481648	3"	1"	3"	4.11	2.11	4.92	3.98	4.31	2.30
PC6-482048	3"	1 ¼"	3"	4.11	2.11	5.02	3.88	4.31	2.30
PC6-482448	3"	1 ½"	3"	4.11	2.11	5.10	3.64	4.31	2.30
PC6-483232	3"	2"	2"	3.64	1.63	4.35	2.74	3.76	2.15
PC6-483240	3"	2"	2 ½"	3.98	1.97	4.69	3.07	4.00	2.26
PC6-483248	3"	2"	3"	4.11	2.11	4.55	2.93	4.31	2.30
PC6-484032	3"	2 ½"	2"	3.64	1.63	4.15	2.42	3.76	2.15
PC6-484040	3"	2 ½"	2 ½"	3.98	1.97	4.49	2.76	4.00	2.26
PC6-484048	3"	2 ½"	3"	4.11	2.11	4.74	3.01	4.31	2.30
PC6-484808	3"	3"	½"	3.64	1.63	3.64	1.63	4.07	3.27



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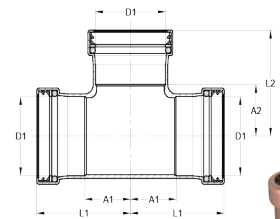
XL Unequal Tee (continued)

Item Number	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
PC6-484812	3"	3"	¾"	3.64	1.63	3.64	1.63	4.15	3.21
PC6-484816	3"	3"	1"	3.64	1.63	3.64	1.63	3.96	3.01
PC6-484820	3"	3"	1 ¼"	3.64	1.63	3.64	1.63	4.07	2.93
PC6-484824	3"	3"	1 ½"	3.64	1.63	3.64	1.63	4.31	2.85
PC6-484832	3"	3"	2"	3.64	1.63	3.64	1.63	3.76	2.15
PC6-484830	3"	3"	2 ½"	3.98	1.97	3.98	1.97	4.00	2.26
PC6-644832	4"	3"	2"	4.02	1.61	4.80	2.80	3.25	1.63
PC6-644848	4"	3"	3"	4.51	2.11	4.82	2.81	4.63	2.62
PC6-646408	4"	4"	½"	4.02	1.61	4.02	1.61	4.63	3.82
PC6-646412	4"	4"	¾"	4.02	1.61	4.02	1.61	4.59	3.64
PC6-646416	4"	4"	1"	4.02	1.61	4.02	1.61	4.43	3.48
PC6-646420	4"	4"	1 ¼"	4.02	1.61	4.02	1.61	4.43	3.29
PC6-646424	4"	4"	1 ½"	4.02	1.61	4.02	1.61	4.59	3.13
PC6-646432	4"	4"	2"	4.02	1.61	4.02	1.61	4.23	2.62
PC6-646440	4"	4"	2 ½"	4.17	1.77	4.17	1.77	4.47	2.74
PC6-646448	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)
PC6-404040	2 ½"	3.56	1.83	3.66	1.93
PC6-484848	3"	4.11	2.11	4.33	2.32
PC6-646464	4"	5.00	2.60	5.12	2.72

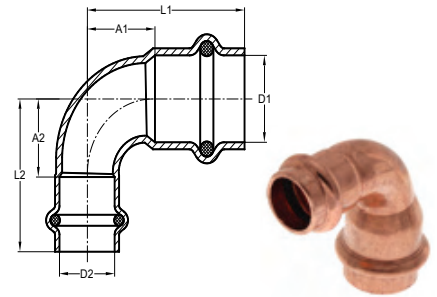


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CopperPress® Fittings

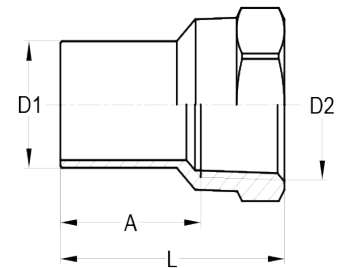
Small Diameter 90° Reducing Elbow

Item Number	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
PC1-1208	¾"	½"	1.83	0.89	1.69	0.89
PC1-1612	1"	¾"	2.30	1.36	2.01	1.06



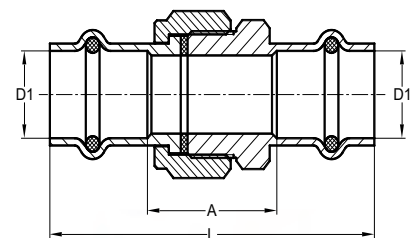
Small Diameter Female Street Adapter

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PC3FA-0806	½"	⅜" FPT	1.57	1.10
PC3FA-08	½"	½" FPT	1.73	1.18
PC3FA-0812	½"	¾" FPT	1.93	1.30
PC3FA-1208	¾"	½" FPT	1.73	1.18
PC3FA-12	¾"	¾" FPT	1.93	1.30
PC3FA-16	1"	1" FPT	1.81	1.26
PC3FA-1608	1"	½" FPT	1.93	1.30
PC3FA-2008	1 ¼"	½" FPT	2.03	1.48
PC3FA-20	1 ¼"	1 ¼" FPT	2.32	1.54
PC3FA-24	1 ½"	1 ½" FPT	2.58	1.75
PC3FA-32	2"	2" FPT	3.07	2.09



Small Diameter Union

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PC87-08	½"	½"	2.80	1.18
PC87-12	¾"	¾"	2.99	1.10
PC87-16	1"	1"	3.01	1.12
PC87-20	1 ¼"	1 ¼"	3.43	1.14
PC87-24	1 ½"	1 ½"	4.09	1.18
PC87-32	2"	2"	4.57	1.34

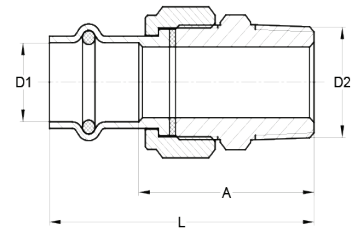


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CopperPress® Fittings

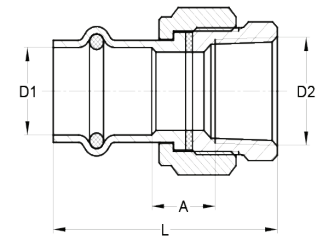
Small Diameter **Male Union**

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PC87M-08	½"	½" MPT	2.58	1.77
PC87M-12	¾"	¾" MPT	2.72	1.77
PC87M-16	1"	1" MPT	2.89	1.95
PC87M-20	1 ¼"	1 ¼" MPT	3.27	2.13
PC87M-24	1 ½"	1 ½" MPT	3.62	2.17
PC87M-32	2"	2" MPT	3.98	2.36



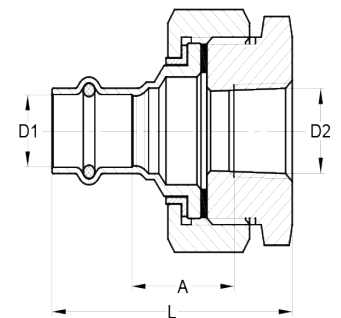
Small Diameter **Female Union**

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PC87F-08	½"	½" FPT	1.99	0.67
PC87F-12	¾"	¾" FPT	2.15	0.61
PC87F-16	1"	1" FPT	2.26	0.65
PC87F-20	1 ¼"	1 ¼" FPT	2.93	1.00
PC87F-24	1 ½"	1 ½" FPT	2.91	0.67
PC87F-32	2"	2" FPT	3.31	0.75



Small Diameter **Dielectric Female Union**

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PC87DF-08	½"	½" FPT	2.64	1.32
PC87DF-12	¾"	¾" FPT	3.07	1.54
PC87DF-16	1"	1" FPT	2.76	1.14
PC87DF-20	1 ¼"	1 ¼" FPT	3.03	1.10
PC87DF-24	1 ½"	1 ½" FPT	3.46	1.22
PC87DF-32	2"	2" FPT	3.78	1.22

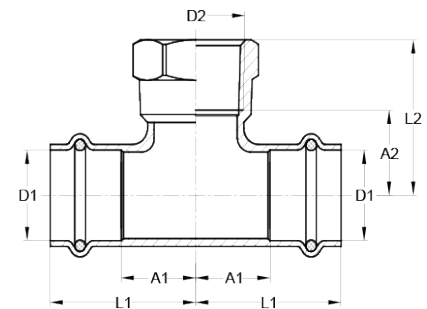


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CopperPress® Fittings

Small Diameter Tee Female Reducer P x P x FPT

Item Number	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
PC6PPF-08	½"	½" FPT	1.56	0.75	1.44	0.89
PC6PPF-121204	¾"	¼" FPT	1.63	0.69	1.34	0.93
PC6PPF-121208	¾"	½" FPT	1.79	0.85	1.38	0.83
PC6PPF-12	¾"	¾" FPT	1.79	0.85	1.61	0.98
PC6PPF-161608	1"	½" FPT	1.63	0.69	1.71	1.16
PC6PPF-161612	1"	¾" FPT	1.91	0.96	1.85	1.22
PC6PPF-202008	1 ¼"	½" FPT	1.87	0.73	1.67	1.12
PC6PPF-202012	1 ¼"	¾" FPT	1.99	0.85	1.81	1.18
PC6PPF-242408	1 ½"	½" FPT	2.13	0.67	1.83	1.28
PC6PPF-242412	1 ½"	¾" FPT	2.26	0.81	1.97	1.34
PC6PPF-323208	2"	½" FPT	2.54	0.93	2.09	1.54
PC6PPF-323212	2"	¾" FPT	2.54	0.93	2.30	1.67

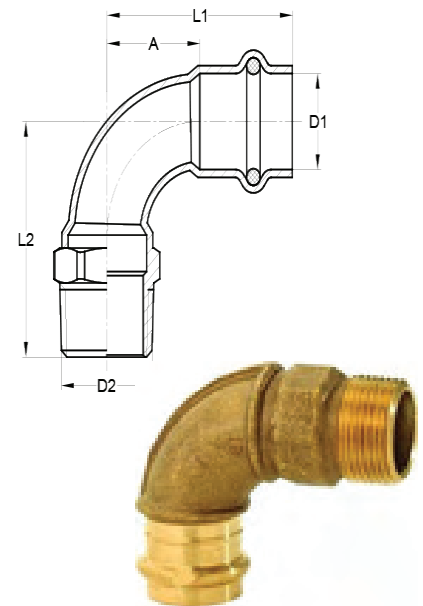


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CopperPress® Fittings

Small Diameter 90° Male Elbow P x MPT

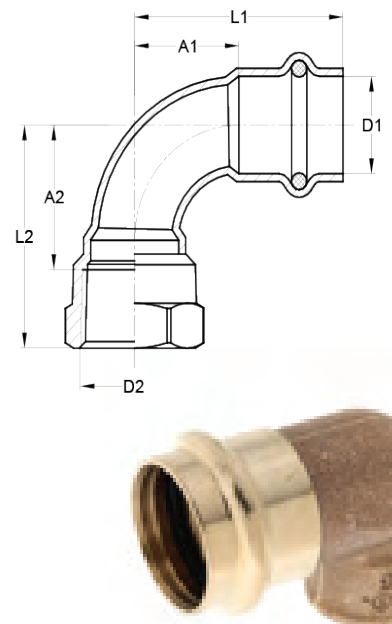
Item Number	D1 (in)	D2 (in)	L1 (in)	A (in)	L2 (in)
PC1ME-08	½"	½" MPT	1.56	0.75	1.87
PC1ME-0812	½"	¾" MPT	2.01	1.20	2.01
PC1ME-12	¾"	¾" MPT	2.03	1.09	2.11
PC1ME-16	1"	1" MPT	2.24	1.28	2.76
PC1ME-20	1 ¼"	1 ¼" MPT	2.64	1.50	2.64
PC1ME-24	1 ½"	1 ½" MPT	3.23	1.77	3.23
PC1ME-32	2"	2" MPT	4.25	2.64	4.25



Small Diameter 90° Female Elbow P x FPT

Item Number	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
PC1FE-0806	½"	⅜" FPT	1.56	0.75	1.46	1.02
PC1FE-08	½"	½" FPT	1.73	0.93	1.81	1.30
PC1FE-12	¾"	¾" FPT	2.03	1.08	2.09	1.50
PC1FE-16	1"	1" FPT	2.24	1.30	2.52	1.85
PC1FE-32	2"	2" FPT	3.98	2.36	4.21	3.27

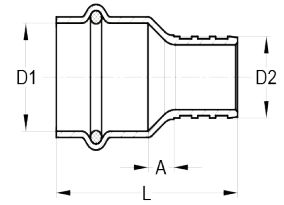
Merit Brass Company reserves the right to change any portion of the information shown on this submittal without obligation to change our press fitting line, CopperPress previously or subsequently sold. Visit www.meritbrass.com/pressfittings for the most current information. Every precaution has been taken in preparing this sheet. Merit Brass Company cannot be held responsible for omissions or typographical errors.



CopperPress® Fittings

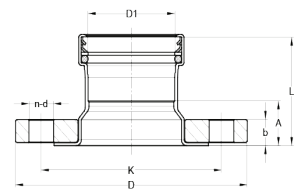
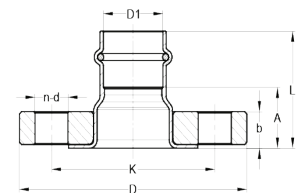
Small Diameter Pex Adapter

Item Number	D1 (in)	D2 (in)	L (in)	A (in)
PCPEX-08	½"	½" PEX	1.73	0.20
PCPEX-0812	½"	¾" PEX	1.59	0.16
PCPEX-1208	¾"	½" PEX	2.03	0.45
PCPEX-12	¾"	¾" PEX	1.93	0.35
PCPEX-16	1"	1" PEX	2.13	0.39



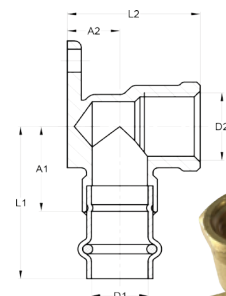
Press Adapter Flange

Item Number	D1 (in)	L (in)	A (in)	b (in)	D (in)	K (in)	d (in)
PC35-1664	1"	2.28	1.34	0.63	4.33	3.11	0.63
PC35-2064	1 ¼"	2.28	1.14	0.63	4.53	3.50	0.63
PC35-2464	1 ½"	2.60	1.14	0.63	4.92	3.86	0.63
PC35-3264	2"	2.76	1.14	0.63	5.91	4.76	0.75
PC35-4064	2 ½"	2.83	1.10	0.69	7.09	5.51	0.75
PC35-4864	3"	3.35	1.34	0.81	7.48	5.98	0.75
PC35-64128	4"	3.74	1.34	0.89	9.06	7.52	0.75



Small Diameter Drop Ear Elbow

Item Number	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
PC4-08	½"	½" FPT	1.77	0.94	1.77	0.94
PC4-12	¾"	¾" FPT	2.13	1.18	2.13	1.18



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CopperPress® Fittings

ENGINEERING DATA

Merit's line of copper press 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	—	300 psi	40°F to 250°F
Rainwater / Grey Water	—	300 psi	32°F to 250°F
Chilled Water	Ethylene Glycol / Propylene Glycol	300 psi	0°F to 250°F
Hydronic Heating	Ethylene Glycol / Propylene Glycol	300 psi	0°F to 250°F
Cooling Water	Up to 50% Ethylene Glycol or Propylene Glycol solution	300 psi	0°F to 250°F
Low-Pressure Steam	—	Up to 15 psi	250°F

Fuel, Oil and Lubricant

Ethanol	Pure Grain Alcohol	300 psi	—
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Gases

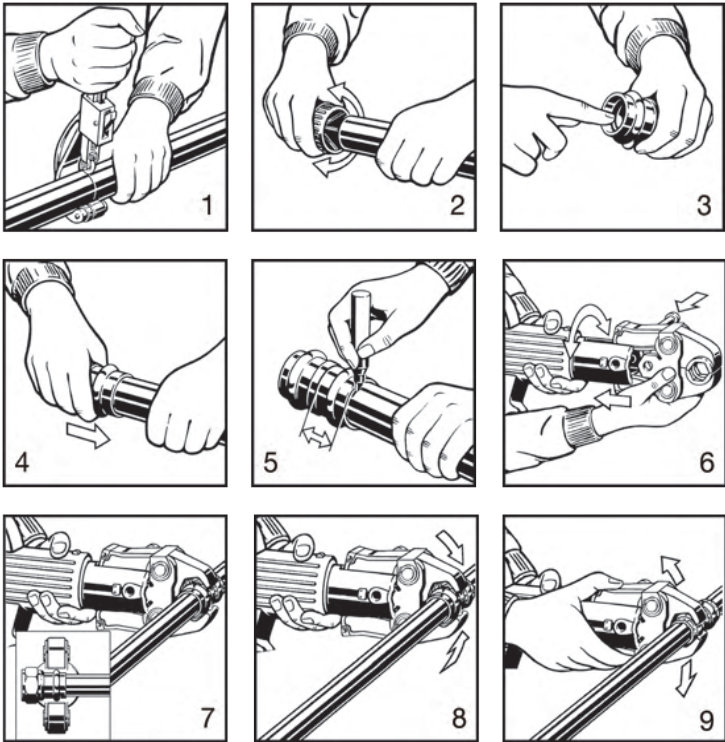
Compressed Air	Less than 25mg/m ³ oil content	300 psi	Up to 140°F
Oxygen - O ₂ (non-medical)	Keep oil and fat free/non-liquid O ₂	140 psi	Up to 140°F
Nitrogen - N ₂	—	300 psi	Up to 140°F
Argon	Welding Use	300 psi	Up to 140°F
Hydrogen - H ₂	—	125 psi	Up to 140°F
Vacuum	—	Max 29.2 inches of Mercury	Up to 140°F
Carbon Dioxide - CO ₂	Dry	—	Up to 140°F

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

For more information, please contact our **Sales Team** at sales@meritbrass.com or **800.726.9800**.

CopperPress® Fittings

INSTALLATION



CopperPress® Insertion Depth Chart						
Tube Size	½"	¾"	1"	1¼"	1½"	2"
Insertion Depth	¾"	⅞"	⅞"	1"	1⅞"	1⅞"

Small Diameter (SD)

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

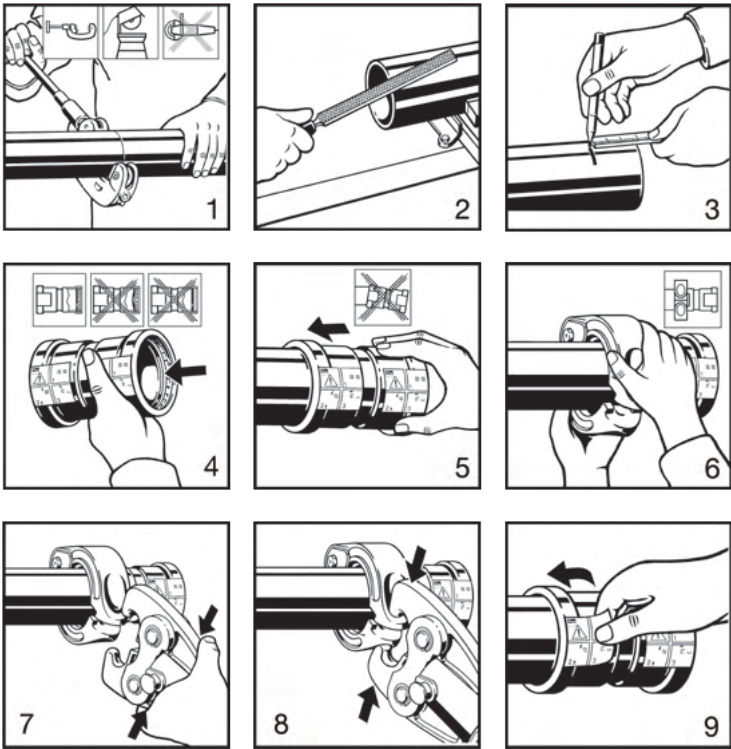
1. Cut copper tubing at right angles using displacement type cutter or fine-toothed steel saw.
2. Remove burr from inside and outside of tubing to prevent cutting sealing element.
3. Check seal for correct fit. Do not use oils or lubricants. Use only CopperPress® sealing elements.
4. Mark proper insertion 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.



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.

CopperPress® Fittings

INSTALLATION



CopperPress® Insertion Depth Chart

Tube Size	2 ½"	3"	4"
Insertion Depth	1 11⁄16"	1 15⁄18"	2 3⁄8"

Extra Large Diameter (XL)

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.