



The APOLLOXPRESS® small diameter fittings (available in sizes ½" - 2") feature copper-body construction for most configurations. The lead-free design offers a **Leak Before Press®** feature. The forward lip aids in the alignment of the copper tube during insertion, reducing the risk of o-ring damage. These fittings are approved for underground applications and are ideal for service and repair. Pre-lubricated, they are fast and simple to install.

Made in
USA



The APOLLOXPRESS® large diameter copper fittings (available in sizes 2 ½" - 4") feature a patented solid cross-section grab ring, creating significant contact with the tube after pressing. The **Leak Before Press®** feature allows water to flow past the sealing element during pressure testing if the fitting has not been pressed. Last, but certainly not least, we've added a visual element: if the break-away band is still on the fitting, it needs to be checked.

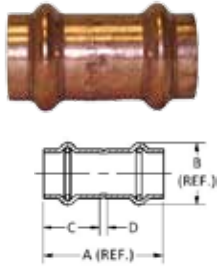
APOLLOXPRESS®

Your Single Source Solution for Press Technology

Small & Large Diameter Fittings

Copper Coupling with Stop

Small Diameter



Large Diameter



Dimensions shown in inches

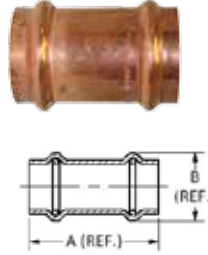
Item No.	Description	A	B	C*	D**	Height	Width	Depth
10075500	800 1/2 CxC CPLG W/ ST	1.72	0.95	0.81	0.11	0.95	1.72	0.95
10075502	800 3/4 CxC CPLG W/ ST	1.89	1.24	0.88	0.12	1.24	1.89	1.24
10075504	800 1 CxC CPLG W/ ST	2.06	1.49	0.92	0.23	1.49	2.06	1.49
10075506	800 1 1/4 CxC CPLG W/ ST	2.33	1.75	1.04	0.24	1.75	2.33	1.75
10075508	800 1 1/2 CxC CPLG W/ ST	3.10	2.09	1.43	0.24	2.09	3.10	2.09
10075510	800 2 CxC CPLG W/ ST	3.42	2.56	1.59	0.25	2.56	3.42	2.56
10061947	800 2 1/2 CxC CPLG W/ ST	4.33	3.16	1.90	0.53	3.16	4.33	3.16
10061952	800 3 CxC CPLG W/ ST	4.65	3.68	2.10	0.45	3.68	4.65	3.68
10061957	800 4 CxC CPLG W/ ST	5.53	4.70	2.50	0.53	4.70	5.53	4.70

*Cup Depth (Dim C) Tolerance: Sizes 1/2"-2" +/- .045, Sizes 2-1/2"-4" +/- .015

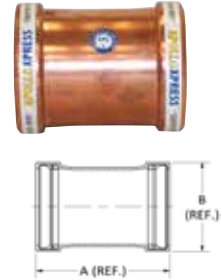
**Lay-in (Dim D) Tolerance: Sizes 1/2"-3/4" +.07/- .03, Sizes 1"-2" +.09/- .03, Sizes 2-1/2"-3" +.12/- .03, Size 4" +.15/- .03

Copper Coupling without Stop

Small Diameter



Large Diameter



Dimensions shown in inches

Item No.	Description	A	B	Height	Width	Depth
10075513	801 1/2 CxC CPLG W/O ST	1.72	0.95	0.95	1.72	0.95
10075515	801 3/4 CxC CPLG W/O ST	1.89	1.24	1.24	1.89	1.24
10075517	801 1 CxC CPLG W/O ST	2.07	1.49	1.49	2.07	1.49
10075521	801 1 1/4 CxC CPLG W/O ST	2.33	1.75	1.75	2.33	1.75
10075523	801 1 1/2 CxC CPLG W/O ST	3.10	2.09	2.09	3.10	2.09
10075527	801 2 CxC CPLG W/O ST	3.41	2.56	2.56	3.41	2.56
10061932	801 2 1/2 CxC CPLG W/O ST	4.33	3.16	3.16	4.65	3.16
10061937	801 3 CxC CPLG W/O ST	4.65	3.68	3.68	4.70	3.68
10061942	801 4 CxC CPLG W/O ST	5.53	4.70	4.70	5.53	4.70

Copper Reducer Coupling

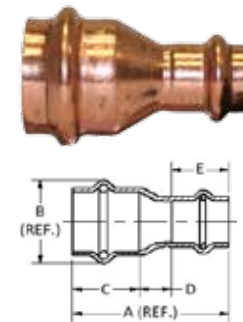
Dimensions shown in inches

Item No.	Description	A	B	C*	D**	E*	Height	Width	Depth
10075900	801R 3/4x1/2 CxC CPLG	2.14	1.24	0.92	0.44	0.79	1.24	2.14	1.24
10075144	801R 1x1/2 CxC CPLG	2.37	1.49	0.93	0.64	0.81	1.49	2.37	1.49
10075898	801R 1x3/4 CxC CPLG	2.30	1.49	0.98	0.39	0.93	1.49	2.30	1.49
10066073	801R 1 1/4x1/2 CxC CPLG	4.27	1.75	1.04	2.38	0.85	1.75	4.27	1.75
10066001	801R 1 1/4x3/4 CxC CPLG	4.13	1.75	1.04	2.24	0.85	1.75	4.13	1.75
10075896	801R 1 1/4x1 CxC CPLG	2.40	1.75	1.06	0.38	0.97	1.75	2.40	1.75
10066380	801R 1 1/2x1/2 CxC CPLG	4.86	2.09	1.43	2.62	0.81	2.09	4.86	2.09
10066381	801R 1 1/2x3/4 CxC CPLG	4.89	2.09	1.43	2.58	0.89	2.09	4.89	2.09
10066003	801R 1 1/2x1 CxC CPLG	4.60	2.09	1.43	2.25	0.93	2.09	4.60	2.09
10075128	801R 1 1/2x1 1/4 CxC CPLG	2.87	2.11	1.20	0.63	1.04	2.11	2.87	2.11
10066082	801R 2x1 1/2 CxC CPLG	5.86	2.56	1.51	3.43	0.85	2.56	5.86	2.56
10066398	801R 2x3/4 CxC CPLG	5.70	2.56	1.59	3.23	0.89	2.56	5.70	2.56
10066005	801R 2x1 CxC CPLG	5.49	2.56	1.59	2.94	0.97	2.56	5.49	2.56
10066072	801R 2x1 1/4 CxC CPLG	5.18	2.56	1.59	2.55	1.04	2.56	5.18	2.56
10075130	801R 2x1 1/2 CxC CPLG	3.50	2.56	1.40	0.90	1.20	2.56	3.50	2.56
10066440	801R 2 1/2x1 CxC CPLG	6.75	3.16	1.90	3.89	0.97	3.16	6.75	3.16
10066441	801R 2 1/2x1 1/4 CxC CPLG	6.62	3.16	1.90	3.68	1.04	3.16	6.62	3.16
10066442	801R 2 1/2x1 1/2 CxC CPLG	6.72	3.16	1.90	3.45	1.38	3.16	6.72	3.16
10066074	801R 2 1/2x2 CxC CPLG	6.68	3.16	1.90	3.38	1.40	3.16	6.68	3.16
10066444	801R 3x3/4 CxC CPLG	7.48	3.68	2.10	4.55	0.83	3.68	7.48	3.68
10066445	801R 3x1 1/2 CxC CPLG	7.26	3.68	2.10	3.79	1.38	3.68	7.26	3.68
10066446	801R 3x2 CxC CPLG	7.11	3.68	2.10	3.55	1.47	3.68	7.39	3.68
10066076	801R 3x2 1/2 CxC CPLG	7.63	3.68	2.10	3.63	1.90	3.68	7.63	3.68
10066447	801R 4x2 CxC CPLG	8.62	4.70	2.50	4.65	1.47	4.70	8.62	4.70
10066151	801R 4x2 1/2 CxC CPLG	8.90	4.70	2.50	4.50	1.90	4.70	8.90	4.70
10066152	801R 4x3 CxC CPLG	8.93	4.70	2.50	4.33	2.10	4.70	8.93	4.70

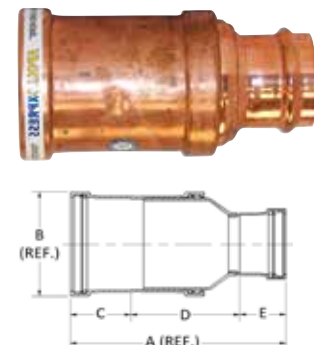
*Cup Depth (Dim C & E) Tolerance: Sizes 1/2"-2" +/- .045, Sizes 2-1/2"-4" +/- .015

**Lay-in (Dim D) Tolerance: Sizes 1/2"-3/4" +.07/- .03, Sizes 1"-2" +.09/- .03, Sizes 2-1/2"-3" +.12/- .03, Size 4" +.15/- .03

Small Diameter



Large Diameter

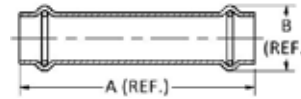


For additional information, submittal sheets and manuals, visit www.apollovalves.com

Copper Extended Length Coupling Without Stop

Dimensions shown in inches

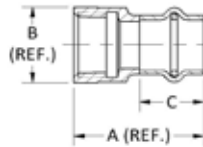
Item No.	Description	A	B	Height	Width	Depth
10075030	801 ½ CXC COUPLING W/O STOP	3.30	0.95	0.95	3.30	0.95
10075032	801 ¾ CXC COUPLING W/O STOP	3.00	1.24	1.24	3.00	1.24
10075034	801 1 CXC COUPLING W/O STOP	3.58	1.49	1.49	3.58	1.49



Lead Free Brass Female Adapter

Female Adapter

Female Reducing Adapter



Dimensions shown in inches

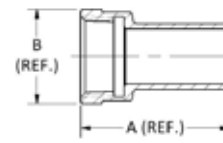
Item No.	Description	A	B	C*	Height	Width	Depth
10075750	803 ½ CxF ADAPT	1.52	1.01	0.76	1.01	1.52	1.01
10075752	803 ¾ CxF ADAPT	1.73	1.25	0.92	1.25	1.73	1.25
10075754	803 1 CxF ADAPT	1.76	1.53	0.92	1.53	1.76	1.53
10075756	803 1¼ CxF ADAPT	1.90	1.93	1.04	1.93	1.90	1.93
10075758	803 1½ CxF ADAPT	2.43	2.20	1.43	2.20	2.43	2.20
10075760	803 2 CxF ADAPT	2.44	2.73	1.59	2.73	2.44	2.73
Female Reducing Adapters							
10075780	803R ½x¾ CxF ADAPT	1.34	0.87	0.76	0.87	1.34	0.87
10075782	803R ½x¾ CxF ADAPT	1.62	1.25	0.76	1.25	1.62	1.25
10075784	803R ¾x1 CxF ADAPT	1.50	1.01	0.92	1.01	1.50	1.01
10075796	803R 1x1½ CxF ADAPT	1.55	1.01	1.03	1.01	1.55	1.01
10075798	803R 1x¾ CxF ADAPT	1.56	1.25	0.92	1.25	1.56	1.25
10075800	803R 1x1¼ CxF ADAPT	1.96	1.93	0.92	1.93	1.96	1.93
10075786	803R 1¼x1 CxF ADAPT	1.79	1.75	1.04	1.75	1.79	1.75
10075788	803R 1¼x1 CxF ADAPT	1.80	1.75	1.04	1.75	1.80	1.75
10075790	803R 1¼x1½ CxF ADAPT	1.98	2.20	1.04	2.20	1.98	2.20
10075792	803R 1½x¾ CxF ADAPT	2.03	2.09	1.43	2.09	2.03	2.09
10075794	803R 1½x1¼ CxF ADAPT	2.19	2.09	1.43	2.09	2.19	2.09

*Cup Depth (Dim C) Tolerance : Sizes 1/2" - 2" +/- .045, Sizes 2-1/2" - 4" +/- .015

Lead Free Brass Female Street Adapter

Female Street Adapter

Female Reducing Street Adapter



Dimensions shown in inches

Item No.	Description	A	B	Height	Width	Depth
10075762	803-2 ½ FTGxF ADAPT	1.71	1.02	1.02	1.71	1.02
10075768	803-2 ¼ FTGxF ADAPT	1.91	1.25	1.25	1.91	1.25
10075772	803-2 1 FTGxF ADAPT	2.03	1.53	1.53	2.03	1.53
10075774	803-2 1¼ FTGxF ADAPT	2.19	1.93	1.93	2.19	1.93
10075776	803-2 1½ FTGxF ADAPT	2.57	2.20	2.20	2.57	2.20
10075778	803-2 2 FTGxF ADAPT	2.78	2.74	2.74	2.78	2.74
Female Reducing Street Adapters						
10075764	803-2 ½x¾ FTGxF ADAPT	1.56	0.87	0.87	1.56	0.87
10075766	803-2 ½x¾ FTGxF ADAPT	1.79	1.26	1.26	1.79	1.26
10075770	803-2 ¾x1 FTGxF ADAPT	1.84	1.02	1.02	1.84	1.02
10075804	803-2 1x1½ FTGxF ADAPT	1.65	1.13	1.13	1.65	1.13
10075802	803-2 1¼x1½ FTGxF ADAPT	1.90	1.38	1.38	1.90	1.38

For additional information, submittal sheets and manuals, visit www.elkhartproducts.com

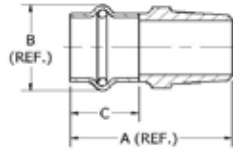


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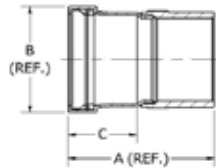
ELKHART PRODUCTS CORPORATION Customer Service (574) 264-3181

Male Adapter

Small Diameter



Large Diameter



Reducing Adapter



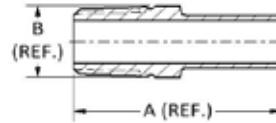
Dimensions shown in inches

Item No.	Description	A	B	C*	Height	Width	Depth
10075806	804 1/2 CxM ADAPT	1.92	0.93	0.76	0.93	1.92	0.93
10075808	804 3/4 CxM ADAPT	2.15	1.26	0.92	1.26	2.15	1.26
10075844	804 1 CxM ADAPT	2.39	1.50	0.92	1.50	2.39	1.50
10075810	804 1 1/4 CxM ADAPT	2.39	1.71	1.04	1.71	2.39	1.71
10075812	804 1 1/2 CxM ADAPT	2.68	2.13	1.43	2.13	2.68	2.13
10075814	804 2 CxM ADAPT	2.97	2.60	1.59	2.60	2.97	2.60
10061982	804 2 1/2 CxM ADAPT	4.11	3.16	1.90	3.16	4.11	3.16
10061987	804 3 CxM ADAPT	4.35	3.68	2.10	3.56	4.35	3.16
10061992	804 4 CxM ADAPT	5.43	4.70	2.50	4.70	5.43	3.16
Male Reducing Adapters							
10075836	804R 1/2x3/8 CxM ADAPT	1.79	0.93	0.76	0.93	1.79	0.93
10075838	804R 1/2x3/4 CxM ADAPT	1.86	1.05	0.76	1.05	1.86	1.05
10075840	804R 3/4x1/2 CxM ADAPT	2.21	1.26	0.92	1.26	2.21	1.26
10075842	804R 3/4x1 CxM ADAPT	2.60	1.50	0.92	1.50	2.60	1.50
10075854	804R 1x3/4 CxM ADAPT	2.24	1.50	0.92	1.50	2.24	1.50
10075856	804R 1x1 1/4 CxM ADAPT	2.44	1.71	0.92	1.71	2.44	1.71
10075846	804R 1 1/4x1 CxM ADAPT	2.42	1.71	1.04	1.71	2.42	1.71
10075848	804R 1 1/4x1 1/2 CxM ADAPT	2.62	1.90	1.04	1.90	2.62	1.90
10075850	804R 1 1/2x1 1/4 CxM ADAPT	2.73	2.12	1.43	2.12	2.73	2.12
10075852	804R 1 1/2x2 CxM ADAPT	2.82	2.59	1.43	2.59	2.82	2.59
10075858	804R 2x1 1/2 CxM ADAPT	3.10	2.57	1.59	2.57	3.1	2.57

*Cup Depth (Dim C) Tolerance : Sizes 1/2"- 2" +/- .045, Sizes 2-1/2"- 4" +/- .015

Lead Free Brass Male Street Adapter

Small Diameter



Reducing Adapter



Dimensions shown in inches

Item No.	Description	A	B	Height	Width	Depth
10075816	804-2 1/2 FTGxM ADAPT	2.23	0.84	0.84	2.23	0.84
10075822	804-2 3/4 FTGxM ADAPT	2.40	1.05	1.05	2.40	1.05
10075826	804-2 1 FTGxM ADAPT	2.72	1.31	1.31	2.72	1.31
10075828	804-2 1 1/4 FTGxM ADAPT	2.82	1.66	1.66	2.82	1.66
10075830	804-2 1 1/2 FTGxM ADAPT	3.27	1.90	1.90	3.27	1.90
10075834	804-2 2 FTGxM ADAPT	3.46	2.37	2.37	3.46	2.37
Male Reducing Street Adapters						
10075818	804-2 1/2x3/8 FTGxM ADAPT	1.99	0.68	0.68	1.99	0.68
10075820	804-2 1/2x3/4 FTGxM ADAPT	2.42	1.05	1.05	2.42	1.05
10075824	804-2 3/4x1/2 FTGxM ADAPT	2.31	0.98	0.98	2.31	0.98
10075832	804-2 1x3/4 FTGxM ADAPT	2.55	1.32	1.32	2.55	1.32

Copper 45° Elbow

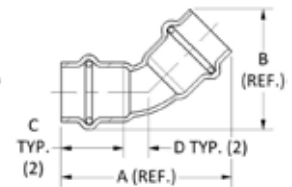
Dimensions shown in inches

Item No.	Description	A	B	C*	D**	Height	Width	Depth
10075060	806 1/2 CxC 45 EL	2.14	1.52	0.78	0.32	1.52	2.14	0.95
10075062	806 3/4 CxC 45 EL	2.62	1.91	0.92	0.41	1.91	2.62	1.24
10075064	806 1 CxC 45 EL	3.10	2.28	0.97	0.59	2.28	3.10	1.49
10075090	806 1 1/4 CxC 45 EL	3.62	2.69	1.09	0.72	2.69	3.62	1.75
10075092	806 1 1/2 CxC 45 EL	4.20	3.16	1.31	0.78	3.16	4.20	2.09
10075094	806 2 CxC 45 EL	5.12	3.88	1.51	1.02	3.73	5.13	2.58
10062052	806 2 1/2 CxC 45 EL	5.89	4.67	1.90	0.91	4.67	5.89	3.16
10062057	806 3 CxC 45 EL	6.58	5.33	2.10	1.00	5.31	6.57	3.68
10062062	806 4 CxC 45 EL	8.10	6.67	2.50	1.28	6.67	8.10	4.70

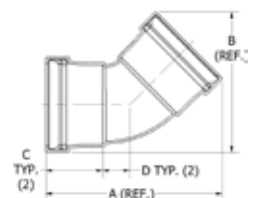
*Cup Depth (Dim C) Tolerance : Sizes 1/2"- 2" +/- .045, Sizes 2-1/2"- 4" +/- .015

**Lay-in (Dim D) Tolerance : Sizes 1/2"- 3/4" +/- .07/- .03, Sizes 1"- 2" +/- .09/- .03, Sizes 2-1/2"- 3" +/- .12/- .03, Size 4" +/- .15/- .03

Small Diameter



Large Diameter



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Copper 45° Street Elbow

Dimensions shown in inches

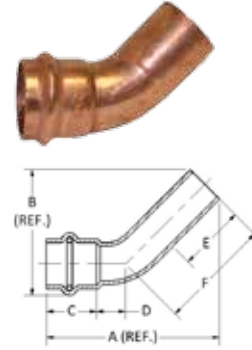
Item No.	Description	A	B	C*	D**	E***	F**	Height	Width	Depth
10075054	806-2 1/2 FTGxC 45 ST EL	2.60	1.89	0.76	0.43	1.00	1.69	1.89	2.60	0.95
10075056	806-2 3/4 FTGxC 45 ST EL	2.96	2.25	0.92	0.41	1.38	1.88	2.25	2.96	1.24
10075058	806-2 1 FTGxC 45 ST EL	3.23	2.33	0.93	0.71	1.16	1.69	2.33	3.23	1.49
10075084	806-2 1 1/4 FTGxC 45 ST EL	3.67	2.73	1.09	0.72	1.19	1.94	2.55	3.61	1.75
10075086	806-2 1 1/2 FTGxC 45 ST EL	4.09	3.06	1.31	0.78	1.16	2.02	3.06	4.09	2.11
10075088	806-2 2 FTGxC 45 ST EL	5.29	3.95	1.59	1.06	1.65	2.72	3.95	5.29	2.55
10062037	806-2 2 1/2 FTGxC 45 EL	5.97	4.74	1.90	0.91	2.09	3.16	4.74	5.97	3.16
10062042	806-2 3 FTGxC 45 EL	6.62	5.36	2.10	1.00	2.25	3.41	5.36	6.62	3.68
10062047	806-2 4 FTGxC 45 EL	8.18	6.74	2.50	1.28	2.63	4.16	6.74	8.18	4.70

*Cup Depth (Dim C) Tolerance : Sizes 1/2"- 2" +/- .045, Sizes 2-1/2"- 4" +/- .015

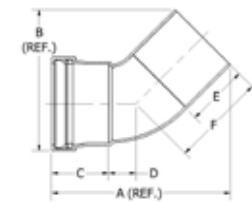
**Lay-in (Dim D&F) Tolerance : Sizes 1/2"- 3/4" +.07/- .03, Sizes 1" - 2" +.09/- .03, Sizes 2-1/2"- 3" +.12/- .03, Size 4" +.15/- .03

***Fit End (Dim E) Tolerance : Sizes 1/2"- 1" +.06/- .00, Sizes 1-1/4"- 2" +.09/- .00, Sizes 2-1/2"- 4" +.12/- .00

Small Diameter



Large Diameter



Copper 90° Elbow

Small Diameter



Large Diameter Close Turn



Large Diameter Close Turn Reducing



Large Diameter Long Turn



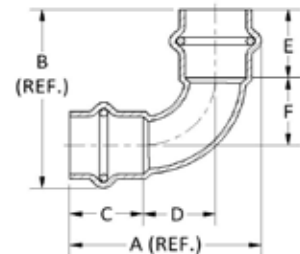
Dimensions shown in inches

Item No.	Description	A	B	C*	D**	E*	F**	Height	Width	Depth
10075554	807 1/2 CXC 90 DEG. EL	1.97	1.97	0.76	0.75			1.97	1.97	0.95
10075556	807 3/4 CXC 90 DEG. EL	2.58	2.58	0.93	1.03			2.58	2.58	1.24
10075052	807 1 CxC 90 EL	2.97	2.97	0.92	1.31			2.97	2.97	1.49
10075078	807 1 1/4 CxC 90 EL	3.83	3.83	1.09	1.87			3.83	3.83	1.75
10075080	807 1 1/2 CxC 90 EL	4.37	4.37	1.31	2.02			4.37	4.37	2.11
10075082	807 2 CxC 90 EL	5.35	5.35	1.51	2.56			5.35	5.35	2.58
Reducing Elbow										
10066101	807 3/4x1/2 CxC 90 EL	2.58	3.67	0.93	1.03	0.81	2.25	3.67	2.58	1.24
10066099	807 1x1/2 CxC 90 EL	2.97	4.43	0.92	1.31	0.81	2.88	4.43	2.97	1.49
10066083	807 1x3/4 CxC 90 EL	2.97	4.27	0.92	1.31	0.85	2.68	4.27	2.97	1.49
Close Turn Elbow - Large Diameter Copper										
10062021	807-C 2 1/2 CxC 90 EL	5.23	5.23	1.90	1.75			5.23	5.23	3.16
10062027	807-C 3 CxC 90 EL	5.94	5.94	2.10	2.00			5.94	5.94	3.68
10062032	807-C 4 CxC 90 EL	7.44	7.44	2.50	2.59			7.44	7.44	4.70
Close Turn Reducing Elbow - Large Diameter Copper										
10066460	807 3x2 CxC 90 EL	5.94	8.41	2.10	2.00	1.51	5.07	8.41	5.94	3.68
10066141	807 3x2 1/2 CxC 90 EL	5.94	8.93	2.10	2.00	1.90	5.19	8.93	5.94	3.68
Long Turn Elbow - Large Diameter Copper										
10062066	807-L 2 1/2 CxC 90 EL	6.67	6.67	1.90	3.19			6.67	6.67	3.16
10062067	807-L 3 CxC 90 EL	8.56	8.56	2.10	4.58			8.56	8.56	3.68
10062069	807-L 4 CxC 90 EL	9.75	9.75	2.50	4.90			9.75	9.75	4.70

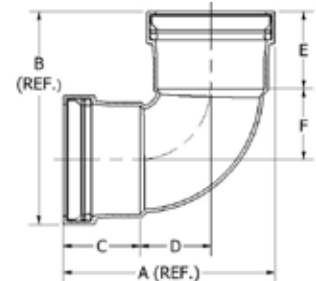
*Cup Depth (Dim C) Tolerance : Sizes 1/2"- 2" +/- .045, Sizes 2-1/2"- 4" +/- .015

**Lay-in (Dim D&F) Tolerance : Sizes 1/2"- 3/4" +.07/- .03, Sizes 1" - 2" +.09/- .03, Sizes 2-1/2"- 3" +.12/- .03, Size 4" +.15/- .03

Small Diameter



Large Diameter



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Copper 90° Street Elbow



Dimensions shown in inches

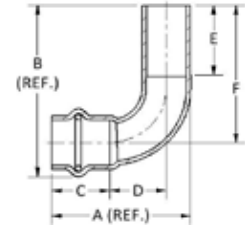
Item No.	Description	A	B	C*	D**	E***	F**	Height	Width	Depth
10075566	807-2 1/2 FTGXC 90 ST EL	1.80	2.38	0.76	0.73	0.97	1.91	2.38	1.80	0.95
10075568	807-2 3/4 FTGXC 90 ST EL	2.37	2.82	0.93	1.01	1.06	2.20	2.82	2.37	1.24
10075046	807-2 1 FTGxC 90 ST EL	2.87	3.56	0.92	1.40	1.13	2.81	3.56	2.87	1.49
10075072	807-2 1 1/4 FTGxC 90 ST EL	3.64	3.85	1.09	1.87	1.19	2.97	3.85	3.64	1.75
10075074	807-2 1 1/2 FTGxC 90 ST EL	4.14	4.40	1.31	2.02	1.36	3.34	4.40	4.14	2.11
10075076	807-2 2 FTGxC 90 ST EL	5.12	5.56	1.51	2.56	1.56	4.27	5.56	5.12	2.58
Close Turn Street Elbow - Large Diameter Copper										
10062007	807-C-2 2 1/2 CxC 90 EL	4.96	5.54	1.90	1.75	2.03	3.96	5.54	4.96	3.16
10062012	807-C-2 3 CxC 90 EL	5.66	6.25	2.10	2.00	2.25	4.41	6.25	5.66	3.68
10062017	807-C-2 4 CxC 90 EL	7.15	7.89	2.50	2.59	2.75	5.54	7.89	7.15	4.70
Long Turn Street Elbow - Large Diameter Copper										
10062071	807-L-2 2 1/2 CxC 90 EL	6.40	6.92	1.90	3.19	2.03	5.34	6.92	6.40	3.16
10062073	807-L-2 3 CxC 90 EL	8.28	8.71	2.10	4.62	2.25	6.87	8.71	8.28	3.68
10062074	807-L-2 4 CxC 90 EL	10.44	10.98	2.50	5.88	2.75	8.63	10.98	10.44	4.70

*Cup Depth (Dim C) Tolerance : Sizes 1/2" - 2" +/- .045, Sizes 2-1/2" - 4" +/- .015

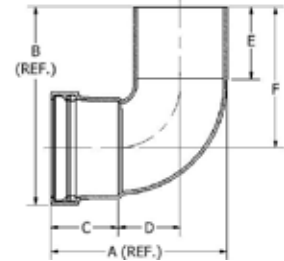
**Lay-in (Dim D&F) Tolerance : Sizes 1/2" - 3/4" +/- .07/- .03, Sizes 1" - 2" +/- .09/- .03, Sizes 2-1/2" - 3" +/- .12/- .03, Size 4" +/- .15/- .03

***Fit End (Dim E) Tolerance : Sizes 1/2" - 1" +/- .06/- .00, Sizes 1-1/4" - 2" +/- .09/- .00, Sizes 2-1/2" - 4" +/- .12/- .00

Small Diameter



Large Diameter



Copper & Low Lead Brass 90° Female Elbow

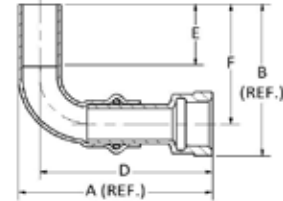


Dimensions shown in inches

Item No.	Description	A	B	D*	E**	F*	Height	Width	Depth
10066578	8707-3-2 1/2 FTGxF 90 EL	2.87	2.42	2.16	0.97	1.91	2.42	2.87	1.02

*Lay-in (Dim D&F) Tolerance : Size 1/2" +/- .07/- .03

**Fit End (Dim E) Tolerance : Sizes 1/2" +/- .06/- .00



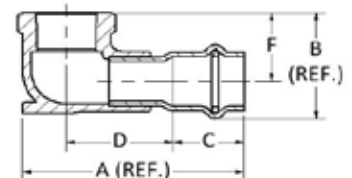
Copper & Low Lead Brass 90° Drop Ear Elbow

Dimensions shown in inches

Item No.	Description	A	B	C*	D**	F**	Height	Width	Depth
10075366	8707-3-5 1/2 CxF 90 DRP EAR EL	2.71	1.35	0.85	1.28	0.88	1.35	2.71	2.12
10075368	8707-3-5 3/4 CxF 90 DRP EAR EL	3.28	1.62	0.89	1.70	1.00	1.62	3.28	2.34
10075369	8707-3-5 1 CxF 90 DRP EAR EL	3.77	1.96	0.97	1.93	1.25	1.96	3.77	2.59
Reducing Drop Ear Elbow									
10075367	8707-3-5 1/2 x 3/8 CxF 90 DRP EAR EL	2.56	1.09	0.85	1.21	0.71	1.09	2.56	1.59

*Cup Depth (Dim C) Tolerance : Sizes 1/2" - 1" +/- .045

**Lay-in (Dim D) Tolerance : Sizes 1/2" - 3/4" +/- .07/- .03, Size 1" +/- .09/- .03, (Dim F) : +/- .06



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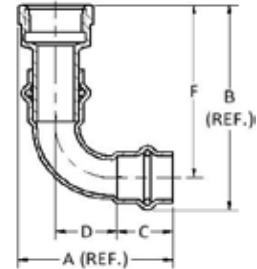
Copper & Low Lead Brass 90° Female Elbow

Dimensions shown in inches

Item No.	Description	A	B	C*	D**	F**	Height	Width	Depth
10066560	8707-3 ½ CxF 90 EL	2.10	3.00	0.76	0.74	2.44	3.00	2.10	1.02
10066561	8707-3 ¾ CxF 90 EL	2.58	3.54	0.93	1.03	2.92	3.54	2.58	1.25
10066562	8707-3 1 CxF 90 EL	2.99	4.07	0.92	1.31	3.33	4.07	2.99	1.53
10066563	8707-3 1¼ CxF 90 EL	3.92	4.91	1.09	1.87	4.04	4.91	3.92	1.93
10066564	8707-3 1½ CxF 90 EL	4.43	5.63	1.31	2.02	4.58	5.63	4.43	2.20
10066565	8707-3 2 CxF 90 EL	5.43	6.60	1.51	2.55	5.32	6.60	5.43	2.74
Reducing Female Elbow									
10066566	8707-3 ½x¾ CxF 90 RED EL	1.97	2.76	0.76	0.74	2.29	2.74	1.97	0.94
10066567	8707-3 ½x¾ CxF 90 RED EL	2.13	2.99	0.76	0.74	2.52	2.99	2.13	1.26
10066568	8707-3 ¾x½ CxF 90 RED EL	2.58	3.47	0.93	1.03	2.85	3.47	2.58	1.24
10066569	8707-3 1x½ CxF 90 RED EL	2.97	3.68	0.92	1.31	2.95	3.68	2.97	1.49

*Cup Depth (Dim C) Tolerance : Sizes 1/2"-2" +/- .045

**Lay-in (Dim D&F) Tolerance : Sizes 1/2" - 3/4" +.07/- .03, Sizes 1" - 2" +.09/- .03



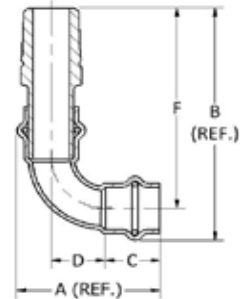
Copper & Low Lead Brass 90° Male Elbow

Dimensions shown in inches

Item No.	Description	A	B	C*	D**	F**	Height	Width	Depth
10066570	8707-4 ½ CxM 90 EL	1.97	3.43	0.76	0.74	2.96	3.43	1.97	0.94
10066571	8707-4 ¾ CxM 90 EL	2.58	4.00	0.93	1.03	3.58	4.00	2.58	1.24
10066572	8707-4 1 CxM 90 EL	2.97	4.76	0.92	1.31	4.02	4.76	2.97	1.49
10066573	8707-4 1¼ CxM 90 EL	3.83	5.54	1.09	1.87	4.67	5.54	3.83	1.75
10066574	8707-4 1½ CxM 90 EL	4.37	6.30	1.31	2.02	5.26	6.30	4.37	2.11
10066575	8707-4 2 CxM 90 EL	5.35	7.25	1.51	2.55	5.97	7.25	5.35	2.58
Reducing Male Elbow									
10066576	8707-4 ½x¾ CxM 90 RED EL	2.03	3.62	0.76	0.74	3.15	3.62	2.03	1.05
10066577	8707-4 ¾x½ CxM 90 RED EL	2.58	3.94	0.93	1.03	3.32	3.94	2.58	1.24

*Cup Depth (Dim C) Tolerance : Sizes 1/2"-2" +/- .045

**Lay-in (Dim D&F) Tolerance : Sizes 1/2" - 3/4" +.07/- .03, Sizes 1" - 2" +.09/- .03



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Copper Reducing Outlet Tee

Single Piece



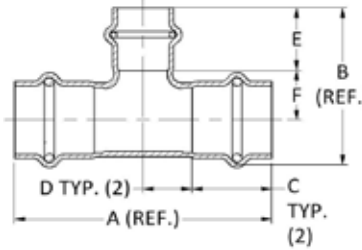
Small Diameter



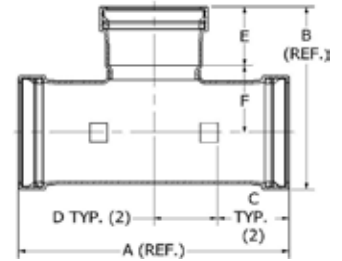
Large Diameter



Small Diameter

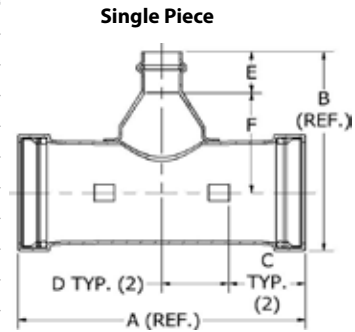


Large Diameter



Dimensions shown in inches

Item No.	Description	A	B	C*	D**	E*	F**	Height	Width	Depth
10075906	811 3/4x3/4x1/2 CxCxC TEE	3.13	2.07	0.92	0.65	0.76	0.70	2.07	3.13	1.24
10075904	811 1x1x1/2 CxCxC TEE	3.30	2.32	0.93	0.72	0.76	0.82	2.32	3.30	1.49
10075902	811 1x1x3/4 CxCxC TEE	3.67	2.44	0.93	0.86	0.92	0.79	2.44	3.67	1.50
10075106	811 1 1/4x1 1/4x1/2 CxCxC TEE	4.12	3.04	1.09	0.98	0.85	1.44	3.04	4.12	1.75
10075102	811 1 1/4x1 1/4x3/4 CxCxC TEE	4.12	3.16	1.09	0.98	0.89	1.34	3.10	4.12	1.75
10075104	811 1 1/4x1 1/4x1 CxCxC TEE	4.12	3.04	1.09	0.98	0.97	1.20	3.04	4.12	1.75
10066015	811 1 1/2x1 1/2x1/2 CxCxC TEE	4.00	4.22	1.31	0.69	0.81	2.36	4.22	4.00	2.11
10075108	811 1 1/2x1 1/2x3/4 CxCxC TEE	4.00	3.07	1.31	0.69	0.89	1.14	3.07	4.00	2.11
10075110	811 1 1/2x1 1/2x1 CxCxC TEE	4.25	3.16	1.31	0.82	0.97	1.14	3.16	4.25	2.11
10075112	811 1 1/2x1 1/2x1 1/4 CxCxC TEE	4.50	3.28	1.31	0.94	1.09	1.14	3.28	4.50	2.11
10066385	811 2x2x1/2 CxCxC TEE	5.75	6.69	1.51	1.37	0.85	4.56	6.69	5.75	2.58
10075114	811 2x2x3/4 CxCxC TEE	4.39	3.65	1.59	0.61	0.89	1.47	3.65	4.39	2.58
10075116	811 2x2x1 CxCxC TEE	4.75	3.72	1.51	0.87	0.97	1.47	3.72	4.75	2.58
10075118	811 2x2x1 1/4 CxCxC TEE	5.00	3.84	1.51	0.99	1.09	1.46	3.84	5.00	2.58
10075120	811 2x2x1 1/2 CxCxC TEE	5.75	4.35	1.51	1.37	1.31	1.76	4.35	5.75	2.58
10062079	811 3x3x2 1/2 CxCxC TEE	7.95	5.90	2.10	1.88	1.90	2.16	5.90	7.95	3.68
10062078	811 4x4x2 1/2 CxCxC TEE	9.84	6.91	2.50	2.42	1.90	2.66	6.91	9.84	4.70
10062076	811 4x4x3 CxCxC TEE	9.84	7.28	2.50	2.42	2.10	2.83	7.28	9.84	4.70



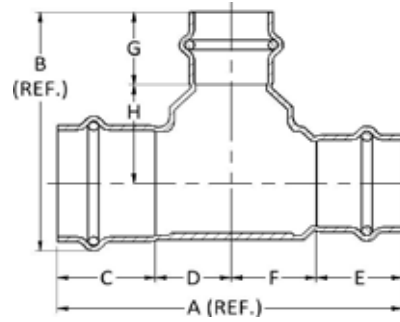
Single Piece Copper Reducing Outlet Tee

10068042	811R 2 1/2x2 1/2x1 1/2 REDUCED TEE	7.15	5.58	1.90	1.67	0.85	3.12	5.58	7.15	3.16
10068045	811R 2 1/2x2 1/2x3/4 REDUCED TEE	7.15	5.42	1.90	1.67	0.89	2.95	5.42	7.15	3.16
10068048	811R 2 1/2x2 1/2x1 REDUCED TEE	7.15	5.21	1.90	1.67	0.97	2.66	5.21	7.15	3.16
10068051	811R 2 1/2x2 1/2x1 1/4 REDUCED TEE	7.15	4.58	1.90	1.67	1.04	1.96	4.58	7.15	3.16
10068054	811R 2 1/2x2 1/2x1 1/2 REDUCED TEE	7.15	4.83	1.90	1.67	1.43	1.82	4.83	7.15	3.16
10068057	811R 2 1/2x2 1/2x2 REDUCED TEE	7.15	5.08	1.90	1.67	1.59	1.92	5.08	7.15	3.16
10068060	811R 3x3x1 1/2 REDUCED TEE	7.95	6.21	2.10	1.87	0.85	3.53	6.21	7.95	3.68
10068063	811R 3x3x3/4 REDUCED TEE	7.95	6.05	2.10	1.87	0.89	3.33	6.05	7.95	3.68
10068066	811R 3x3x1 REDUCED TEE	7.95	5.84	2.10	1.87	0.97	3.04	5.84	7.95	3.68
10068069	811R 3x3x1 1/4 REDUCED TEE	7.95	5.09	2.10	1.87	1.04	2.21	5.09	7.95	3.68
10068072	811R 3x3x1 1/2 REDUCED TEE	7.95	5.34	2.10	1.87	1.43	2.07	5.34	7.95	3.68
10068075	811R 3x3x2 REDUCED TEE	7.95	5.59	2.10	1.87	1.59	2.17	5.59	7.95	3.68
10068078	811R 4x4x1 1/2 REDUCED TEE	9.84	7.33	2.50	2.42	0.85	4.13	7.33	9.84	4.70
10068081	811R 4x4x3/4 REDUCED TEE	9.84	7.17	2.50	2.42	0.89	3.93	7.17	9.84	4.70
10068084	811R 4x4x1 REDUCED TEE	9.84	6.96	2.50	2.42	0.97	3.64	6.96	9.84	4.70
10068087	811R 4x4x1 1/4 REDUCED TEE	9.84	6.10	2.50	2.42	1.04	2.71	6.10	9.84	4.70
10068090	811R 4x4x1 1/2 REDUCED TEE	9.84	6.35	2.50	2.42	1.43	2.57	6.35	9.84	4.70
10068093	811R 4x4x2 REDUCED TEE	9.84	6.60	2.50	2.42	1.59	2.67	6.60	9.84	4.70

*Cup Depth (Dim C&E) Tolerance: Sizes 1/2" - 2" +/- .045, Sizes 2-1/2" - 4" +/- .015

**Lay-in (Dim D&F) Tolerance: Sizes 1/2" - 3/4" +/- .07/- .03, Sizes 1" - 2" +/- .09/- .03, Sizes 2-1/2" - 3" +/- .12/- .03, Size 4" +/- .15/- .03

Copper Reducing Run/Outlet Tee - Small Diameter



Dimensions shown in inches

Item No.	Description	A	B	C*	D**	E*	F**	G*	H**	Height	Width	Depth
10066590	811 3/4x1/2x1/2 CxCxC TEE	4.25	2.07	0.92	0.65	0.81	1.87	0.76	0.70	2.07	4.25	1.24
10066039	811 3/4x1/2x3/4 CxCxC TEE	4.58	2.17	0.92	0.82	0.81	2.04	0.92	0.64	2.17	4.58	1.24
10066591	811 1x1/2x1/2 CxCxC TEE	4.74	2.32	0.93	0.72	0.81	2.28	0.76	0.82	2.32	4.74	1.50
10066592	811 1x1/2x3/4 CxCxC TEE	5.07	2.44	0.98	0.86	0.81	2.42	0.92	0.79	2.44	5.07	1.50
10066066	811 1x1/2x1 CxCxC TEE	5.30	2.51	0.98	0.98	0.81	2.54	0.98	0.80	2.51	5.30	1.50
10066593	811 1x3/4x1/2 CxCxC TEE	4.59	2.32	0.93	0.72	0.85	2.09	0.76	0.82	2.32	4.59	1.50
10066594	811 1x3/4x3/4 CxCxC TEE	4.91	2.44	0.98	0.86	0.85	2.23	0.92	0.79	2.44	4.91	1.50
10066040	811 1x3/4x1 CxCxC TEE	5.14	2.51	0.98	0.98	0.85	2.35	0.98	0.80	2.51	5.14	1.50
10066102	811 1x3/4x1 1/4 CxCxC TEE	7.04	2.94	0.93	2.45	0.85	2.82	1.09	0.98	2.94	7.04	1.75
10066049	811 1 1/4x1/2x1/2 CxCxC TEE	5.87	3.04	1.09	0.98	0.85	2.96	0.85	1.44	3.04	5.87	1.75
10066080	811 1 1/4x1/2x1 CxCxC TEE	5.50	3.04	1.09	0.98	0.81	2.64	0.97	1.20	3.04	5.50	1.75
10066392	811 1 1/4x1/2x1 1/4 CxCxC TEE	5.86	2.94	1.09	0.98	0.85	2.96	1.09	0.98	2.94	5.86	1.75
10066051	811 1 1/4x3/4x1/2 CxCxC TEE	5.73	3.04	1.09	0.98	0.85	2.82	0.85	1.44	3.04	5.73	1.75
10066052	811 1 1/4x3/4x3/4 CxCxC TEE	5.73	3.10	1.09	0.98	0.85	2.82	0.89	1.34	3.10	5.73	1.75
10066053	811 1 1/4x3/4x1 CxCxC TEE	5.73	3.04	1.09	0.98	0.85	2.82	0.97	1.20	3.04	5.73	1.75
10066054	811 1 1/4x3/4x1 1/4 CxCxC TEE	5.73	2.94	1.09	0.98	0.85	2.82	1.09	0.98	2.94	5.73	1.75
10066044	811 1 1/4x3/4x1 1/2 CxCxC TEE	8.04	3.43	1.04	2.72	0.89	3.40	1.31	1.07	3.43	8.04	1.75
10066055	811 1 1/4x1x1/2 CxCxC TEE	5.44	3.04	1.09	0.98	0.93	2.45	0.85	1.44	3.04	5.44	1.75
10075122	811 1 1/4x1x3/4 CxCxC TEE	4.10	3.10	1.09	0.98	0.97	1.07	0.89	1.34	3.10	4.10	1.75
10075124	811 1 1/4x1x1 CxCxC TEE	4.10	3.04	1.09	0.98	0.97	1.07	1.09	1.20	3.04	4.10	1.75
10066056	811 1 1/4x1x1 1/4 CxCxC TEE	5.44	2.94	1.09	0.98	0.93	2.45	1.09	0.98	2.94	5.44	2.11
10066395	811 1 1/4x1x1 1/2 CxCxC TEE	7.75	3.43	1.04	2.72	0.93	3.07	1.31	1.07	3.43	7.75	2.11
10066394	811 1 1/2x1/2x1 1/4 CxCxC TEE	6.38	3.28	1.31	0.94	0.81	3.33	1.09	1.14	3.28	6.38	2.11
10066009	811 1 1/2x1/2x1 1/2 CxCxC TEE	6.63	3.43	1.31	1.07	0.81	3.45	1.31	2.38	3.43	6.63	2.11
10066195	811 1 1/2x3/4x1/2 CxCxC TEE	5.91	4.22	1.31	0.69	0.89	3.02	0.81	2.36	4.22	5.54	2.11
10066383	811 1 1/2x3/4x3/4 CxCxC TEE	5.91	3.07	1.31	0.69	0.89	3.02	0.89	1.14	3.07	5.91	2.11
10066397	811 1 1/2x3/4x1 CxCxC TEE	6.16	3.16	1.31	0.82	0.89	3.15	0.97	1.14	3.16	6.16	2.11
10066058	811 1 1/2x3/4x1 1/4 CxCxC TEE	5.97	3.28	1.31	0.94	0.85	2.87	1.09	1.14	3.28	5.97	2.11
10066043	811 1 1/2x3/4x1 1/2 CxCxC TEE	6.66	3.43	1.31	1.07	0.89	3.40	1.31	1.07	3.43	6.66	2.11
10066042	811 1 1/2x3/4x2 CxCxC TEE	10.11	4.17	1.31	3.57	0.89	4.35	1.51	1.37	4.17	10.11	2.11
10066011	811 1 1/2x1x3/4 CxCxC TEE	5.62	3.07	1.31	0.69	0.93	2.69	0.89	1.14	3.07	5.62	2.11
10066012	811 1 1/2x1x1 CxCxC TEE	5.87	3.16	1.31	0.82	0.93	2.82	0.97	1.14	3.16	5.87	2.11
10066081	811 1 1/2x1x1 1/4 CxCxC TEE	6.12	3.28	1.31	0.94	0.93	2.94	1.09	1.14	3.28	6.12	2.11
10066013	811 1 1/2x1x1 1/2 CxCxC TEE	6.37	3.43	1.31	1.07	0.93	3.07	1.31	1.07	3.43	6.37	2.11
10066108	811 1 1/2x1x2 CxCxC TEE	9.90	4.17	1.31	3.57	0.97	4.06	1.51	1.37	4.17	9.90	2.11
10066059	811 1 1/2x1 1/4x1/2 CxCxC TEE	5.38	4.22	1.31	0.69	1.04	2.34	0.81	2.36	4.22	5.38	2.11
10066060	811 1 1/2x1 1/4x3/4 CxCxC TEE	5.38	3.07	1.31	0.69	1.04	2.34	0.89	2.02	3.07	5.38	2.11
10066014	811 1 1/2x1 1/4x1 CxCxC TEE	5.63	3.16	1.31	0.82	1.04	2.47	0.97	1.14	3.16	5.63	2.11
10075126	811 1 1/2x1 1/4x1 1/2 CxCxC TEE	4.37	3.26	1.31	0.94	1.09	1.03	1.09	1.14	3.26	4.37	2.11
10066393	811 1 1/2x1 1/4x1 1/2 CxCxC TEE	6.13	3.43	1.31	1.07	1.04	2.72	1.31	1.07	3.43	6.13	2.11
10066109	811 1 1/2x1 1/4x2 CxCxC TEE	9.59	4.17	1.31	3.57	1.04	3.67	1.51	1.37	4.17	9.59	2.58

*Cup Depth (Dim C,E,G) Tolerance : Sizes 1/2"- 2" +/- .045, Sizes 2-1/2"- 4" +/- .015

**Lay-in (Dim D,F,H) Tolerance : Sizes 1/2" - 3/4" +.07/-.03, Sizes 1" - 2" +.09/-.03, Sizes 2-1/2" - 3" +.12/-.03, Size 4" +.15/-.03

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Copper Reducing Run/Outlet Tee - Small Diameter (cont'd)

Dimensions shown in inches

Item No.	Description	A	B	C*	D**	E*	F**	G*	H**	Height	Width	Depth
10066384	811 2x1/2x2 CxCxC TEE	8.28	4.17	1.51	1.37	0.85	4.56	1.51	1.37	4.17	8.28	2.58
10066121	811 2x3/4x3/4 CxCxC TEE	6.67	3.65	1.51	0.61	0.89	3.59	0.89	1.47	3.65	6.67	2.58
10066092	811 2x3/4x1 1/2 CxCxC TEE	8.11	4.35	1.51	1.37	0.89	4.35	1.31	1.76	4.35	8.11	2.58
10066388	811 2x3/4x2 CxCxC TEE	8.11	4.17	1.51	1.37	0.89	4.35	1.51	1.37	4.17	8.11	2.58
10066079	811 2x1x1 1/2 CxCxC TEE	6.46	4.80	1.59	0.61	0.97	3.30	0.81	2.69	4.80	6.46	2.58
10066062	811 2x1x3/4 CxCxC TEE	6.46	3.65	1.59	0.61	0.97	3.30	0.89	1.47	3.65	6.46	2.58
10066017	811 2x1x1 CxCxC TEE	6.90	3.72	1.51	0.87	0.97	3.56	0.97	1.47	3.72	6.90	2.58
10066126	811 2x1x1 1/4 CxCxC TEE	7.15	3.84	1.51	0.99	0.97	3.68	1.09	1.46	3.84	7.15	2.58
10066197	811 2x1x1 1/2 CxCxC TEE	7.90	4.35	1.51	1.37	0.97	4.06	1.31	1.76	4.35	7.90	2.58
10066018	811 2x1x2 CxCxC TEE	7.90	4.17	1.51	1.37	0.97	4.06	1.51	1.37	4.17	7.90	2.58
10066063	811 2x1 1/4x3/4 CxCxC TEE	6.14	3.65	1.59	0.61	1.04	2.91	0.89	1.47	3.65	6.14	2.58
10066129	811 2x1 1/4x1 CxCxC TEE	6.59	3.71	1.51	0.87	1.04	3.17	0.97	1.47	3.71	6.59	2.58
10066019	811 2x1 1/4x1 1/4 CxCxC TEE	6.84	3.84	1.51	0.99	1.04	3.29	1.09	1.46	3.84	6.84	2.58
10066125	811 2x1 1/4x1 1/2 CxCxC TEE	7.59	4.35	1.51	1.37	1.04	3.67	1.31	1.76	4.35	7.59	2.58
10066064	811 2x1 1/4x2 CxCxC TEE	7.59	4.17	1.51	1.37	1.04	3.67	1.51	1.37	4.17	7.59	2.58
10066065	811 2x1 1/2x1 1/2 CxCxC TEE	6.31	4.80	1.59	0.61	1.31	2.81	0.81	2.69	4.80	6.31	2.58
10066020	811 2x1 1/2x3/4 CxCxC TEE	6.31	3.65	1.59	0.61	1.31	2.81	0.89	1.47	3.65	6.31	2.58
10066021	811 2x1 1/2x1 CxCxC TEE	6.75	3.71	1.51	0.87	1.31	3.07	0.97	1.47	3.71	6.75	2.58
10066022	811 2x1 1/2x1 1/4 CxCxC TEE	7.00	3.84	1.51	0.99	1.31	3.19	1.09	1.46	3.84	7.00	2.58
10066023	811 2x1 1/2x2 CxCxC TEE	7.75	4.35	1.51	1.37	1.31	3.57	1.31	1.76	4.35	7.75	2.58
10066024	811 2x1 1/2x2 CxCxC TEE	7.75	4.17	1.51	1.37	1.31	3.57	1.51	1.37	4.17	7.75	2.58

*Cup Depth (Dim C,E,G) Tolerance : Sizes 1/2"- 2" +/- .045, Sizes 2-1/2"- 4" +/- .015

**Lay-in (Dim D,F,H) Tolerance : Sizes 1/2" - 3/4" +.07/-.03, Sizes 1" - 2" +.09/-.03, Sizes 2-1/2" - 3" +.12/-.03, Size 4" +.15/-.03

Copper Tee

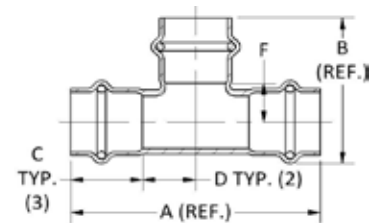
Small Diameter



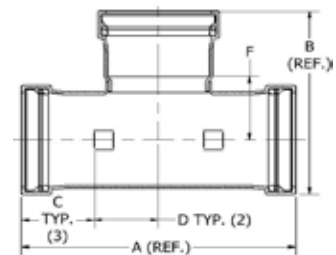
Large Diameter



Small Diameter



Large Diameter



Dimensions shown in inches

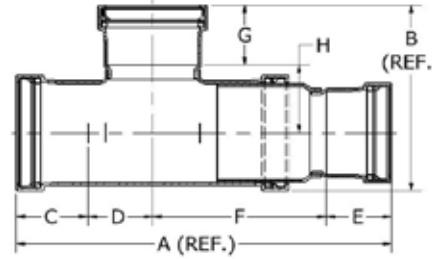
Item No.	Description	A	B	C*	D**	F**	Height	Width	Depth
10075578	811 1/2 CxCxC TEE	3.04	1.78	0.83	0.70	0.49	1.78	3.04	0.95
10075580	811 3/4 CxCxC TEE	3.47	2.17	0.92	0.82	0.64	2.17	3.47	1.24
10075582	811 1 CxCxC TEE	3.90	2.51	0.98	0.98	0.80	2.51	3.90	1.50
10075096	811 1 1/4 CxCxC TEE	4.12	2.94	1.09	0.98	0.98	2.94	4.12	1.75
10075098	811 1 1/2 CxCxC TEE	4.75	3.43	1.31	1.07	1.07	3.43	4.75	2.11
10075100	811 2 CxCxC TEE	5.75	4.17	1.51	1.37	1.37	4.17	5.75	2.58
10057518	811 2 1/2 CXCXC COPPER TEE	7.15	5.33	1.90	1.67	1.85	5.33	7.15	3.16
10062072	811 3 CXCXC COPPER TEE	7.95	6.39	2.10	1.88	2.24	6.40	7.95	3.68
10062077	811 4 CXCXC COPPER TEE	9.84	7.66	2.50	2.41	2.81	7.66	9.84	4.70

*Cup Depth (Dim C) Tolerance : Sizes 1/2"- 2" +/- .045, Sizes 2-1/2"- 4" +/- .015

**Lay-in (Dim D&F) Tolerance : Sizes 1/2" - 3/4" +.07/-.03, Sizes 1" - 2" +.09/-.03, Sizes 2-1/2" - 3" +.12/-.03, Size 4" +.15/-.03

For additional information, submittal sheets and manuals, visit www.apollovalves.com

Copper Reducing Run/Outlet Tee - Large Diameter



Dimensions shown in inches

Item No.	Description	A	B	C*	D**	E*	F*	G*	H**	Height	Width	Depth
10066499	811 2x1½x2½ CxCxC TEE	11.99	5.33	1.51	4.53	1.31	4.65	1.90	1.85	5.33	11.99	3.16
10066595	811 2½x¾x2 CxCxC TEE	9.74	5.08	1.90	1.67	0.89	5.29	1.59	1.92	5.08	9.74	3.16
10066502	811 2½x¾x2½ CxCxC TEE	9.74	5.33	1.90	1.67	0.89	5.29	1.90	1.85	5.33	9.74	3.16
10066596	811 2½x1x2 CxCxC TEE	9.55	5.08	1.90	1.67	0.97	5.02	1.59	1.92	5.08	9.55	3.16
10066514	811 2½x1x2½ CxCxC TEE	9.55	5.33	1.90	1.67	0.97	5.02	1.90	1.85	5.33	9.55	3.16
10066504	811 2½x1¼x2½ CxCxC TEE	9.43	5.33	1.90	1.67	1.04	4.81	1.90	1.85	5.33	9.43	3.16
10066597	811 2½x1½x1½ CxCxC TEE	9.52	4.83	1.90	1.67	1.31	4.65	1.43	1.82	4.83	9.52	3.16
10066598	811 2½x1½x2 CxCxC TEE	9.52	5.08	1.90	1.67	1.31	4.65	1.59	1.92	5.08	9.52	3.16
10066507	811 2½x1½x2½ CxCxC TEE	9.52	5.33	1.90	1.67	1.31	4.65	1.90	1.85	5.33	9.52	3.16
10066599	811 2½x2x¾ CxCxC TEE	9.60	5.42	1.90	1.67	1.51	4.52	0.89	2.95	5.42	9.60	3.16
10066600	811 2½x2x1 CxCxC TEE	9.60	5.21	1.90	1.67	1.51	4.52	0.97	2.66	5.21	9.60	3.16
10066601	811 2½x2x1¼ CxCxC TEE	9.60	4.58	1.90	1.67	1.51	4.52	1.04	1.96	4.58	9.60	3.16
10066602	811 2½x2x1½ CxCxC TEE	9.60	4.83	1.90	1.67	1.51	4.52	1.43	1.82	4.83	9.60	3.16
10066603	811 2½x2x2 CxCxC TEE	9.60	5.08	1.90	1.67	1.51	4.52	1.59	1.92	5.08	9.60	3.16
10066174	811 2½x2x2½ CxCxC TEE	9.60	5.33	1.90	1.68	1.51	4.52	1.90	1.85	5.33	9.60	3.16
10066515	811 2½x2x3 CxCxC TEE	13.41	6.18	1.90	5.06	1.51	4.94	2.10	2.24	6.18	13.41	3.68
10066522	811 3x¾x2½ CxCxC TEE	10.77	5.90	2.10	1.88	0.89	5.91	1.90	2.16	5.90	10.77	3.68
10066523	811 3x¾x3 CxCxC TEE	10.77	6.18	2.10	1.88	0.89	5.91	2.10	2.24	6.18	10.77	3.68
10066524	811 3x1x2½ CxCxC TEE	10.58	5.90	2.10	1.88	0.97	5.64	1.90	2.16	5.90	10.58	3.68
10066525	811 3x1x3 CxCxC TEE	10.58	6.18	2.10	1.88	0.97	5.64	2.10	2.24	6.18	10.58	3.68
10066526	811 3x1¼x3 CxCxC TEE	10.45	6.18	2.10	1.87	1.04	5.43	2.10	2.24	6.18	10.45	3.68
10066527	811 3x1½x3 CxCxC TEE	10.55	6.18	2.10	1.87	1.31	5.27	2.10	2.24	6.18	10.55	3.68
10066604	811 3x2x2 CxCxC TEE	10.42	5.59	2.10	1.87	1.51	4.94	1.59	2.17	5.59	10.42	3.68
10066529	811 3x2x2½ CxCxC TEE	10.42	5.90	2.10	1.88	1.51	4.94	1.90	2.16	5.90	10.42	3.68
10066530	811 3x2x3 CxCxC TEE	10.42	6.18	2.10	1.87	1.51	4.94	2.10	2.24	6.18	10.42	3.68
10066605	811 3x2½x2 CxCxC TEE	10.93	5.59	2.10	1.87	1.90	5.06	1.59	2.17	5.59	10.93	3.68
10066136	811R 3X2½X2½ CXCXC COPPER TEE	10.93	5.90	2.10	1.88	1.90	5.06	1.90	2.16	5.90	10.93	3.68
10066137	811R 3X2½X3 CXCXC COPPER TEE	10.93	6.18	2.10	1.87	1.90	5.06	2.10	2.24	6.18	10.93	3.68
10066538	811 4x1½x3 CxCxC TEE	13.07	7.28	2.50	2.42	1.31	6.84	2.10	2.81	7.28	13.07	4.70
10066539	811 4x2x4 CxCxC TEE	12.96	7.66	2.50	2.42	1.51	6.54	2.50	2.81	7.66	12.96	4.70
10066138	811R 4X2½X4 CXCXC COPPER TEE	13.23	7.66	2.50	2.42	1.90	6.41	2.50	2.81	7.66	13.23	4.70
10066606	811 4x3x1½ CxCxC TEE	13.24	6.35	2.50	2.42	2.10	6.23	1.43	2.57	6.35	13.24	4.70
10066607	811 4x3x2 CxCxC TEE	13.24	6.60	2.50	2.42	2.10	6.23	1.59	2.67	6.60	13.24	4.70
10066139	811R 4X3X2½ CXCXC COPPER TEE	13.22	6.91	2.50	2.42	2.10	6.20	1.90	2.66	6.91	13.22	4.70
10066096	811 4x3x3 CxCxC TEE	13.22	7.28	2.50	2.42	2.10	6.20	2.10	2.83	7.28	13.22	4.70
10066140	811R 4X3X4 CXCXC COPPER TEE	13.24	7.64	2.50	2.42	2.10	6.23	2.50	2.81	7.64	13.24	4.70

*Cup Depth (Dim C,E,G) Tolerance : Sizes 1/2" - 2" +/- .045, Sizes 2-1/2" - 4" +/- .015

**Lay-in (Dim D,F,H) Tolerance : Sizes 1/2" - 3/4" +.07/- .03, Sizes 1" - 2" +.09/- .03, Sizes 2-1/2" - 3" +.12/- .03, Size 4" +.15/- .03

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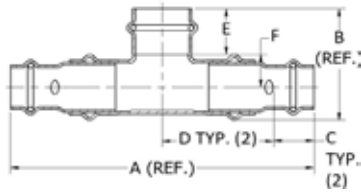
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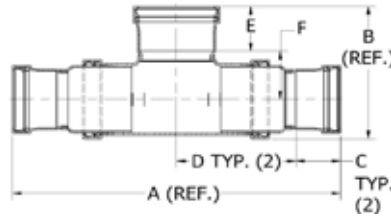
Copper Bullhead Tee



Small Diameter



Large Diameter



Dimensions shown in inches

Item No.	Description	A	B	C*	D**	E*	F**	Height	Width	Depth
10066070	811 1/2x1/2x3/4 CxCxC BH TEE	5.70	2.17	0.81	2.04	0.92	0.64	2.17	5.70	1.24
10066006	811 1/2x1/2x1 CxCxC BH TEE	6.69	2.51	0.81	2.54	0.98	0.80	2.51	6.69	1.50
10066071	811 3/4x3/4x1 CxCxC BH TEE	6.38	2.51	0.85	2.35	0.98	0.80	2.51	6.38	1.50
10066008	811 1x1x1 1/4 CxCxC BH TEE	6.75	2.94	0.93	2.45	1.09	0.98	2.94	6.75	1.75
10066128	811 1x1x2 CxCxC BH TEE	10.05	4.16	0.97	4.06	1.51	1.37	4.16	10.05	2.58
10066107	811 1 1/4x1 1/4x2 CxCxC BH TEE	9.42	4.16	1.04	3.67	1.51	1.37	4.16	9.42	2.58
10066090	811 1 1/2x1 1/2x2 CxCxC BH TEE	9.75	4.16	1.31	3.57	1.51	1.37	4.16	9.75	2.58
10066550	811 1 1/2x1 1/2x3 CxCxC BH TEE	13.15	6.18	1.31	5.27	2.10	2.24	6.18	13.15	3.68
10066551	811 2x2x3 CxCxC BH TEE	12.89	6.18	1.51	4.94	2.10	2.24	6.18	12.89	3.68
10066135	811 2 1/2x2 1/2x3 CxCxC BH TEE	13.92	6.18	1.90	5.06	2.10	2.24	6.18	13.92	3.68
10066094	811 2 1/2x2 1/2x4 CxCxC BH TEE	16.98	7.66	1.90	6.79	2.50	2.81	7.66	16.98	4.70

*Cup Depth (Dim C&E) Tolerance : Sizes 1/2" - 2" +/- .045, Sizes 2-1/2" - 4" +/- .015

**Lay-in (Dim D&F) Tolerance : Sizes 1/2" - 3/4" +.07/- .03, Sizes 1" - 2" +.09/- .03, Sizes 2-1/2" - 3" +.12/- .03, Size 4" +.15/- .03

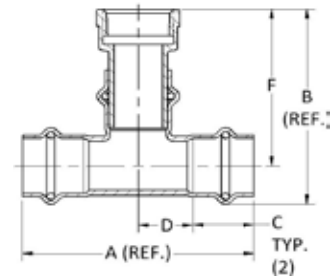
Copper & Low Lead Brass Female Outlet Tee

Dimensions shown in inches

Item No.	Description	A	B	C*	D**	F	Height	Width	Depth
10066579	8712 1/2 CxCxF TEE	3.04	2.65	0.83	0.70	2.18	2.65	3.04	1.01
10066580	8712 3/4 CxCxF TEE	3.47	3.14	0.92	0.82	2.52	3.14	3.47	1.25
Reducing Female Outlet Tee									
10066581	8712 3/4x3/4x1/2 CxCxF TEE	3.13	3.01	0.92	0.65	2.39	3.01	3.13	1.24
10066582	8712 1x1x1/2 CxCxF TEE	3.67	3.35	0.98	0.86	2.61	3.35	3.67	1.48
10066583	8712 1x1x3/4 CxCxF TEE	3.67	3.42	0.98	0.86	2.67	3.42	3.67	1.48
10066584	8712 1 1/4x1 1/4x1/2 CxCxF TEE	4.12	4.04	1.09	0.98	3.16	4.04	4.12	1.75
10066585	8712 1 1/4x1 1/4x3/4 CxCxF TEE	4.12	4.10	1.09	0.98	3.23	4.10	4.12	1.75
10066586	8712 1 1/2x1 1/2x1/2 CxCxF TEE	4.00	4.01	1.31	0.69	2.96	4.01	4.00	2.11
10066587	8712 1 1/2x1 1/2x3/4 CxCxF TEE	4.00	4.08	1.31	0.69	3.02	4.08	4.00	2.11
10066588	8712 2x2x1 1/2 CxCxF TEE	4.39	4.57	1.59	0.61	3.30	4.57	4.39	2.58
10066589	8712 2x2x3/4 CxCxF TEE	4.39	4.64	1.59	0.61	3.36	4.64	4.39	2.58

*Cup Depth (Dim C) Tolerance : Sizes 1/2" - 2" +/- .045

**Lay-in (Dim D&F) Tolerance : Sizes 1/2" - 3/4" +.07/- .03, Sizes 1" - 2" +.09/- .03



For additional information, submittal sheets and manuals, visit www.apollovalves.com

Copper Tube Cap

Dimensions shown in inches

Item No.	Description	A	B	C*	Height	Width	Depth
10075166	817 ½ TUBE CAP	1.13	0.95	0.85	0.95	1.13	0.95
10075168	817 ¾ TUBE CAP	1.19	1.24	0.89	1.24	1.19	1.24
10075170	817 1 TUBE CAP	1.35	1.49	0.97	1.49	1.35	1.49
10075172	817 1¼ TUBE CAP	1.53	1.75	1.09	1.75	1.53	1.75
10075174	817 1½ TUBE CAP	1.80	2.11	1.22	2.11	1.80	2.11
10075176	817 2 TUBE CAP	2.15	2.58	1.51	2.58	2.15	2.58
10062142	817 2½ COPPER TUBE CAP	3.64	3.16	1.90	3.16	3.64	3.16
10062147	817 3 COPPER TUBE CAP	4.07	3.68	2.10	3.68	4.07	3.68
10062152	817 4 COPPER TUBE CAP	4.96	4.70	2.50	4.70	4.96	4.70

*Cup Depth (Dim C) Tolerance : Sizes 1/2" - 2" +/- .045, Sizes 2-1/2" - 4" +/- .015

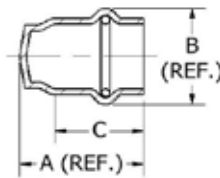


Small Diameter

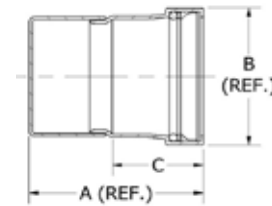


Large Diameter

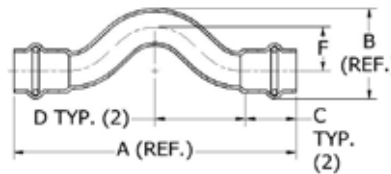
Small Diameter



Large Diameter



Copper Crossover



Dimensions shown in inches

Item No.	Description	A	B	C*	D**	F**	Height	Width	Depth
10075370	836 ½ Cx C CROSSOVER	4.50	1.54	0.81	1.44	0.75	1.54	4.50	0.95
10075372	836 ¾ Cx C CROSSOVER	5.50	2.06	0.84	1.91	1.00	2.06	5.50	1.24

*Cup Depth (Dim C) Tolerance : Sizes 1/2" - 3/4" +/- .045

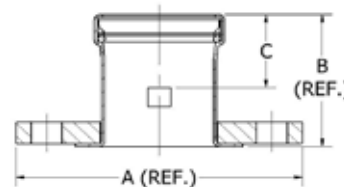
**Lay-in (Dim D&F) Tolerance : Sizes 1/2" - 3/4" +/- .07/- .03

Copper Large Diameter Flange

Dimensions shown in inches

Item No.	Description	A	B	C*	Height	Width	Depth
125 Lb.							
10075702	8741 2 Copper 125 lb.	6.00	3.67	1.59	3.67	6.00	6.00
10061761	8741 2½ Copper 125 lb.	7.00	3.62	1.90	3.62	7.00	7.00
10061767	8741 3 Copper 125 lb.	7.50	3.61	2.10	3.61	7.50	7.50
10061736	8741 4 Copper 125 lb.	9.00	3.76	2.50	3.76	9.00	9.00
150 Lb.							
10061763	8771 2½ Copper 150 lb.	7.00	3.62	1.90	3.62	7.00	7.00
10061769	8771 3 Copper 150 lb.	7.50	3.61	2.10	3.61	7.50	7.50
10061738	8771 4 Copper 150 lb.	9.00	3.76	2.50	3.76	9.00	9.00

*Cup Depth (Dim C) Tolerance : Size 2" +/- .045, Sizes 2-1/2" - 4" +/- .015



For additional information, submit sheets and manuals, visit www.elkhartproducts.com

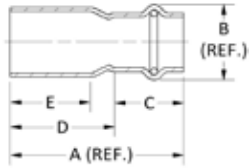


www.elkhartproducts.com

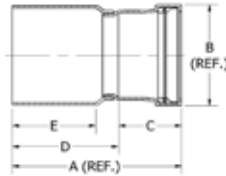
ELKHART PRODUCTS CORPORATION Customer Service (574) 264-3181

Copper Fitting Reducer

Small Diameter



Large Diameter



Dimensions shown in inches

Item No.	Description	A	B	C*	D**	E**	Height	Width	Depth
10075146	818 3/4x1/2 FTGxC RED	2.03	0.95	0.81	1.22	0.98	0.95	2.03	0.95
10075150	818 1x1/2 FTGxC RED	2.37	1.25	0.81	1.56	1.10	1.25	2.37	1.25
10075148	818 1x3/4 FTGxC RED	2.22	1.25	0.85	1.37	1.10	1.25	2.22	1.25
10075336	818 1/4x3/4 FTGxC RED	2.83	1.38	0.85	1.98	1.27	1.38	2.83	1.38
10075154	818 1/4x1/2 FTGxC RED	2.69	1.38	0.85	1.84	1.34	1.38	2.69	1.38
10075156	818 1/4x1 FTGxC RED	2.40	1.50	0.91	1.48	1.23	1.50	2.40	1.50
10075332	818 1/2x1/2 FTGxC RED	3.19	1.63	0.81	2.38	1.43	1.63	3.19	1.63
10075334	818 1/2x3/4 FTGxC RED	3.22	1.63	0.89	2.33	1.40	1.63	3.22	1.63
10075158	818 1/2x1 FTGxC RED	2.93	1.63	0.93	2.00	1.53	1.63	2.93	1.63
10075160	818 1/2x1 1/4 FTGxC RED	2.69	1.75	1.04	1.65	1.31	1.75	2.69	1.75
10075338	818 2x1/2 FTGxC RED	4.04	2.13	0.85	3.19	1.83	2.13	4.04	2.13
10075340	818 2x3/4 FTGxC RED	3.87	2.13	0.89	2.99	1.83	2.13	3.87	2.13
10075162	818 2x1 FTGxC RED	3.66	2.13	0.97	2.69	1.83	2.13	3.66	2.13
10075152	818 2x1 1/4 FTGxC RED	3.34	2.13	1.04	2.30	1.60	2.13	3.34	2.13
10075164	818 2x1 1/2 FTGxC RED	3.51	2.13	1.31	2.20	1.77	2.13	3.51	2.13
10068025	818 2 1/2x3/4 FTGxC RED	4.59	2.63	0.85	3.74	2.00	2.63	4.59	2.63
10068001	818 2 1/2x1 FTGxC RED	4.50	2.63	0.89	3.61	2.00	2.63	4.50	2.63
10068002	818 2 1/2x1 1/4 FTGxC RED	4.31	2.63	0.97	3.34	2.00	2.63	4.31	2.63
10068017	818 2 1/2x1 1/2 FTGxC RED	4.18	2.63	1.04	3.14	2.00	2.63	4.18	2.63
10068004	818 2 1/2x1 FTGxC RED	4.28	2.63	1.31	2.97	2.00	2.63	4.28	2.63
10075165	818 2 1/2x2 FTGxC RED	4.36	2.63	1.51	2.85	2.30	2.63	4.36	2.63
10068005	818 3x1/2 FTGxC RED	5.01	3.13	0.85	4.16	2.27	3.13	5.01	3.13
10068019	818 3x3/4 FTGxC RED	4.92	3.13	0.89	4.03	2.27	3.13	4.92	3.13
10068007	818 3x1 FTGxC RED	4.73	3.13	0.97	3.76	2.27	3.13	4.73	3.13
10068008	818 3x1 1/4 FTGxC RED	4.60	3.13	1.04	3.56	2.27	3.13	4.60	3.13
10068020	818 3x1 1/2 FTGxC RED	4.70	3.13	1.31	3.39	2.27	3.13	4.70	3.13
10068010	818 3x2 FTGxC RED	4.57	3.13	1.51	3.06	2.26	3.13	4.57	3.13
10057500	818 3x2 1/2 FTGxC RED	5.09	3.16	1.90	3.19	2.51	3.16	5.09	3.16
10068011	818 4x1/2 FTGxC RED	6.02	4.13	0.85	5.17	2.80	4.13	6.02	4.13
10068022	818 4x3/4 FTGxC RED	5.93	4.13	0.89	5.04	2.80	4.13	5.93	4.13
10068013	818 4x1 FTGxC RED	5.74	4.13	0.97	4.77	2.80	4.13	5.74	4.13
10068014	818 4x1 1/4 FTGxC RED	5.61	4.13	1.04	4.57	2.80	4.13	5.61	4.13
10068023	818 4x1 1/2 FTGxC RED	5.75	4.13	1.31	4.44	2.80	4.13	5.75	4.13
10068016	818 4x2 FTGxC RED	5.60	4.13	1.51	4.09	2.76	4.13	5.60	4.13
10057503	818 4x2 1/2 FTGxC RED	6.02	4.13	1.90	4.12	2.67	4.13	6.02	4.13
10057506	818 4x3 FTGxC RED	5.90	4.13	2.10	3.81	2.65	4.13	5.90	4.13

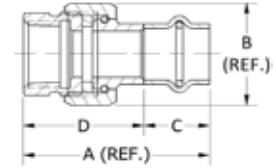
*Cup Depth (Dim C) Tolerance : Sizes 1/2" - 2" +/- .045, Sizes 2-1/2" - 4" +/- .015

**Lay-in (Dim D) Tolerance : Sizes 1/2" - 3/4" +/- .07/- .03, Sizes 1" - 2" +/- .09/- .03, Sizes 2-1/2" - 3" +/- .12/- .03, Size 4" +/- .15/- .03

***Fit End (Dim E) Tolerance : Sizes 1/2" - 1" +/- .06/- .00, Sizes 1-1/4" - 2" +/- .09/- .00, Sizes 2-1/2" - 4" +/- .12/- .00

APOLLOXPRESS®

Lead Free Brass Female Union



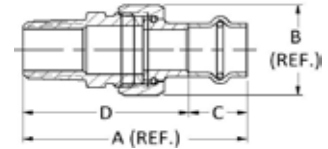
Dimensions shown in inches

Item No.	Description	A	B	C*	D**	Height	Width	Depth
10075872	8733-3 1/2 CxF UNION	2.14	1.25	0.76	1.39	1.25	2.14	1.25
10075874	8733-3 3/4 CxF UNION	2.88	1.52	0.92	1.96	1.52	2.88	1.52
10075876	8733-3 1 CxF UNION	2.88	1.94	0.92	1.96	1.94	2.88	1.94
10075878	8733-3 1 1/4 CxF UNION	3.16	2.19	1.04	2.12	2.19	3.16	2.19
10075880	8733-3 1 1/2 CxF UNION	3.09	2.45	1.43	1.66	2.45	3.09	2.45
10075882	8733-3 2 CxF UNION	3.33	3.12	1.59	1.75	3.12	3.33	3.12

*Cup Depth (Dim C) Tolerance : Sizes 1/2" - 2" +/- .045

**Lay-in (Dim D) Tolerance : Sizes 1/2" - 3/4" +/- .07/- .03, Sizes 1" - 2" +/- .09/- .03

Lead Free Brass Male Union



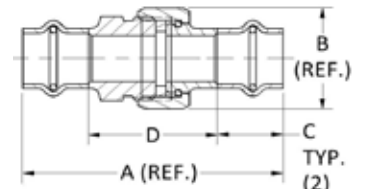
Dimensions shown in inches

Item No.	Description	A	B	C*	D**	Height	Width	Depth
10075884	8733-4 1/2 CxM UNION	2.90	1.26	0.76	2.15	1.26	2.90	1.26
10075886	8733-4 3/4 CxM UNION	3.42	1.52	0.92	2.51	1.52	3.42	1.52
10075888	8733-4 1 CxM UNION	3.74	1.94	0.92	2.83	1.94	3.74	1.94
10075890	8733-4 1 1/4 CxM UNION	3.78	2.19	1.04	2.73	2.19	3.78	2.19
10075892	8733-4 1 1/2 CxM UNION	3.73	2.45	1.43	2.30	2.45	3.73	2.45
10075894	8733-4 2 CxM UNION	4.24	3.12	1.59	2.65	3.12	4.24	3.12

*Cup Depth (Dim C) Tolerance : Sizes 1/2" - 2" +/- .045

**Lay-in (Dim D) Tolerance : Sizes 1/2" - 3/4" +/- .07/- .03, Sizes 1" - 2" +/- .09/- .03

Lead Free Brass Union



Dimensions shown in inches

Item No.	Description	A	B	C*	D**	Height	Width	Depth
10075860	8733 1/2 CxC UNION	2.99	1.26	0.76	1.48	1.26	2.99	1.26
10075862	8733 3/4 CxC UNION	3.69	1.52	0.92	1.86	1.52	3.69	1.52
10075864	8733 1 CxC UNION	3.83	1.94	0.92	2.00	1.94	3.83	1.94
10075866	8733 1 1/4 CxC UNION	3.83	2.19	1.04	1.74	2.19	3.83	2.19
10075868	8733 1 1/2 CxC UNION	3.95	2.45	1.43	1.04	2.45	3.95	2.45
10075870	8733 2 CxC UNION	4.65	3.12	1.59	1.48	3.12	4.65	3.12

*Cup Depth (Dim C) Tolerance : Sizes 1/2" - 2" +/- .045

**Lay-in (Dim D) Tolerance : Sizes 1/2" - 3/4" +/- .07/- .03, Sizes 1" - 2" +/- .09/- .03

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