

Elkhart Products Corporation

For the perfect fit

EPC



AIR CONDITIONING AND REFRIGERATION WROT COPPER FITTINGS





Aalberts Industries

Strengthening Flow Control Market Position in North America

Aalberts Industries is an international group of industrial companies with two, mutually reinforcing, core activities: Industrial Services and Flow Control. The group companies are leading players in their respective markets and constantly strive to strengthen this position.

Flow Control's core activity is the development, production and assembly of products and systems for the distribution and regulation of liquids and gases. There is a continuous focus on a complete portfolio of products for residential new-build, renovation and maintenance, commercial buildings, utility networks, district heating, fire protection and security, irrigation systems, the beer and soft drinks industry, and other industries.

Aalberts Industries' products and systems are supplied worldwide to wholesalers, OEMs, utility companies (water and gas), district heating and various other industries. Due to its complete portfolio, market-oriented regional approach, widespread geographical presence and use of high-quality, efficient production technologies, Aalberts Industries ranks among the global market leaders in this field.

Aalberts Industries continuously strengthens its leading market positions through a combination of profitable organic growth and the selective acquisition of complementary companies that fit within the strategy. At the end of 2009, Aalberts Industries employed around 10,000 people who worked in more than 140 group companies in over 30 countries.



**Elkhart
Products
Corporation**

Elkhart Products Corporation

A Proud History, An Exciting Future

From its start in 1940 as a small manufacturer of screw machine products, Elkhart Products Corporation (EPC) has built a reputation for quality products and quality personnel. As the company expanded in the early 1950s and became a fabricator of various copper and aluminum tubular components, it also became known for its innovation and service.

Expansion continued with the purchase of machinery from Chase Brass and Copper Company in the late 1950s and wrot copper tube fittings for the plumbing industry were added to the product line. Growth continued with the construction of plants in Fayetteville, Arkansas and in Geneva, Indiana in the 1960s.

Over the last five years, Elkhart Products has branched into engineered fittings. EPC engineered fitting brands include TECTITE™, CopperBite and CopperLoc™ Sprint push-fit fittings, as well as APOLLOXPRESS™ press-fit fittings.

Today, EPC is part of Aalberts Industries N.V. and enjoys the distinction of being one of the world's largest manufacturers of wrot copper fittings. It's also recognized as a versatile supplier of custom fabricated tubular products to original equipment manufacturers in several industries, including automotive, and air conditioning and refrigeration.

The EPC corporate office in Elkhart, Indiana houses sales, accounting, engineering, data processing and experimental labs. Production activities here include the manufacture of a major portion of the wrot fitting line and the cleaning and boxing of all wrot fittings.



LASCO Fittings, Inc.

Providing the Highest Level of Integrity, Value and Service

In business since 1947, LASCO Fittings, Inc. is the industry leader in the production of plastic pipe fittings. LASCO's vast product line consists of DWV, Schedule 40, Schedule 80 and HVAC fittings, ranging from $\frac{1}{2}$ inch through 12 inch sizes. LASCO is headquartered in a 500,000 square foot state-of-the-art manufacturing facility located in Western Tennessee. This location is ideally located in proximity to the customer base and to the petro-chemical industry for raw material procurement. The company also houses an engineering and machine shop, where tooling, molds and new products are designed and constructed.

Recently, LASCO has expanded their plumbing and industrial product lines in large diameter configurations. In plumbing, DWV is now available through 12 inches, with a complete line of large diameter (molded) wyes. In Schedule 80, the company recently introduced 10 inch and 12 inch PVC fittings.

LASCO services its customer base through distribution centers strategically located throughout the United States. The plumbing product line is readily available through Elkhart Products Corporation, its sister company. Together, Elkhart Products and LASCO can now supply the plumbing market with a complete package of metal and plastic fittings.



Conbraco Industries, Inc.

American-Made Success Since 1928

Conbraco Industries was created when two Detroit-based manufacturers of brass valves and fittings merged in 1928 forming Consolidated Brass Company. The company now known as Apollo® Valves earned a reputation for developing new products to meet emerging market demands.

In 1968, the company introduced its Apollo® Series 70 ball valve to the commercial market. A revolutionary innovation at the time, the product became the most specified ball valve in the world. Line extensions have resulted in new materials, new sizes and new applications for the classic Apollo® ball valve.

Conbraco was founded by Clarence Mosack, grandfather of company executive vice president of sales Cal Mosack, president Glenn Mosack and vice president of marketing Carole Mosack Lee. They assumed control of the company after their father Carl Mosack retired as president in 2001. The Mosack family has led the company for three generations.

Nearly all Apollo® valves are produced in U.S. facilities, including ISO-registered, state-of-the-art foundries and manufacturing facilities in Pageland and Conway, S.C. The company's headquarters is located in Matthews, N.C.

The company is constantly developing and introducing new products. By focusing on problem-solving innovations, U.S.-made quality, and the best delivery and fill rates in the industry, Apollo® Valves will continue to thrive.



***Elkhart
Products
Corporation***



ELKHART, IN - Corporate



GENEVA, IN



FAYETTEVILLE, AR

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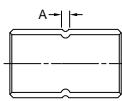
Cross Reference

NIBCO to EPC

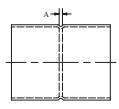
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Mueller to EPC

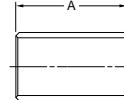
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**100 Coupling with Stop
C x C**


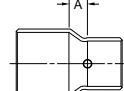
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020622	3/8	0.008	50	1000	3/32			
10020890	1/2	0.015	50	1000	3/32			
10020155	5/8	0.024	100	1000	3/32			
10020156	3/4	0.041	25	500	3/32			
10020157	7/8	0.056	50	500	3/32			
10020992	1	0.009	10	200	3/32			
10020158	1 1/8	0.122	25	250	3/32			
10020159	1 3/8	0.144	20	200	3/32			
10020160	1 5/8	0.216	10	100	3/32			
10020161	2 1/8	0.391	5	50	3/32			
10020162	2 5/8	0.624	5	50	3/32			
10020163	3 1/8	0.909	5	40	3/32			
10020164	3 5/8	1.369	1	16	3/32			
10020165	4 1/8	1.966	2	16	3/32			
10020166	5 1/8	3.365	1	6	3/16			
10020167	6 1/8	5.262	1	6	3/16			
10020168	8 1/8	12.941	1	1	1/8			

**100-RS Coupling with Roll Stop
C x C**


Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020109	3/16	0.002	50	1000	1/16			
10020956	1/4	0.004	50	1000	1/16			
10020110	5/16	0.006	50	1000	1/16			
10020694	3/8	0.007	50	1000	3/32			
10020690	1/2	0.015	50	1000	3/32			
10020603	5/8	0.027	100	1000	3/32			
10020604	3/4	0.041	25	500	3/32			
10020122	7/8	0.056	50	500	3/32			
10020606	1	0.084	10	200	3/32			
10020608	1 1/8	0.122	25	250	3/32			
10020610	1 3/8	0.149	20	200	3/32			
10020612	1 5/8	0.213	10	100	3/32			
10020614	2 1/8	0.391	5	50	3/32			

**101 Coupling without Stop
C x C**


Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020624	1/4	0.004	50	1000	11/16			
10020169	3/8	0.008	50	1000	23/32			
10020170	1/2	0.015	50	1000	55/64			
10020171	5/8	0.027	100	1000	13/32			
10020172	3/4	0.041	25	500	121/64			
10020173	7/8	0.056	50	500	119/32			
10020174	1 1/8	0.122	25	250	129/32			
10020175	1 3/8	0.149	20	200	21/32			
10020176	1 5/8	0.213	10	100	217/64			
10020616	2 1/8	0.391	5	50	249/64			
10020178	2 5/8	0.616	5	50	31/32			
10020179	3 1/8	0.912	5	40	313/32			
10020180	3 5/8	1.352	1	16	329/32			
10020339	4 1/8	1.878	2	16	413/32			

**101-R Reducer Coupling with Stop
C x C**


Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020991	1/4 x 3/16	0.008	50	1000	3/32			
10020111	5/16 x 1/4	0.007	50	1000	3/32			
10020625	3/8 x 1/4	0.008	50	1000	5/32			
10020112	3/8 x 5/16	0.008	50	1000	3/32			
10020114	1/2 x 1/4	0.019	50	1000	1/4			
10020113	1/2 x 3/8	0.017	50	1000	3/16			
10020117	5/8 x 1/4	0.027	50	1000	23/64			
10020116	5/8 x 3/8	0.026	50	1000	1/4			
10020115	5/8 x 1/2	0.024	50	1000	5/32			
10020120	3/4 x 3/8	0.043	25	500	5/16			
10020119	3/4 x 1/2	0.033	25	500	7/32			
10020118	3/4 x 5/8	0.040	25	500	5/32			
10020125	7/8 x 3/8	0.053	50	500	7/16			
10020124	7/8 x 1/2	0.054	50	500	21/64			
10020123	7/8 x 5/8	0.061	50	500	3/16			
10020121	7/8 x 3/4	0.065	50	500	3/16			

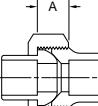
**101-R Reducer Coupling with Stop (Continued)
C x C**

Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020129	1 1/8 x 1/2	0.098	25	250	1/2			
10020128	1 1/8 x 5/8	0.104	25	250	7/16			
10020127	1 1/8 x 3/4	0.102	25	250	3/8			
10020126	1 1/8 x 7/8	0.098	25	250	13/32			
10020132	1 3/8 x 5/8	0.176	10	100	41/64			
10020131	1 3/8 x 7/8	0.134	10	100	15/32			
10020130	1 3/8 x 1 1/8	0.152	10	100	5/16			
10020136	1 5/8 x 5/8	0.219	10	100	25/32			
10020135	1 5/8 x 7/8	0.218	10	100	21/32			
10020134	1 5/8 x 1 1/8	0.220	10	100	7/16			
10020133	1 5/8 x 1 5/8	0.220	10	100	11/32			
10020141	2 1/8 x 5/8	0.420	10	100	1 1/8			
10020140	2 1/8 x 7/8	0.408	10	100	1			
10020139	2 1/8 x 1 1/8	0.383	10	100	25/32			
10020138	2 1/8 x 1 3/8	0.393	10	100	21/32			
10020137	2 1/8 x 1 5/8	0.366	10	100	13/32			
10020145	2 5/8 x 1 1/8	0.691	5	50	1 1/8			
10020144	2 5/8 x 1 3/8	0.664	5	50	15/16			
10020143	2 5/8 x 1 5/8	0.666	5	50	7/8			
10020142	2 5/8 x 2 1/8	0.639	5	50	15/32			
10020148	3 1/8 x 1 1/8	1.106	2	20	1 5/32			
10020147	3 1/8 x 2 1/8	0.991	2	20	13/16			
10020146	3 1/8 x 2 5/8	0.946	2	20	1/2			
10020149	3 5/8 x 3 1/8	1.426	1	16	1/2			
10020153	4 1/8 x 2 1/8	2.192	2	32	1 1/2			
10020152	4 1/8 x 2 5/8	2.029	2	32	1 1/8			
10020151	4 1/8 x 3 1/8	1.940	2	32	7/8			
10020150	4 1/8 x 3 5/8	1.960	2	32	17/32			
10020154	5 1/8 x 4 1/8	3.310	1	6	25/32			

**136 Cross-Over Coupling
C x C**

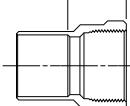
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020544	5/8	0.090	5	50	1 19/64			
10020181	7/8	0.198	5	50	1 29/32			

**102 Union
C x C**



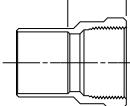
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020333	3/8	0.113	25	500	13/32			
10020594	1/2	0.131	25	250	27/64			
10020595	5/8	0.114	25	250	1/2			
10020596	7/8	0.257	20	200	21/32			
10020597	1 1/8	0.557	10	100	7/16			
10020598	1 3/8	0.698	5	50	7/16			
10020334	1 5/8	0.878	5	50	29/64			
10020336	2 1/8	1.499	2	20	15/32			

**103 Female Adapter
C x F**



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020000	1/4	0.033	50	1000	1/2			
10020002	3/8	0.043	50	1000	21/32			
10020006	1/2	0.082	50	500	7/8			
10020012	3/4	0.143	25	250	1			

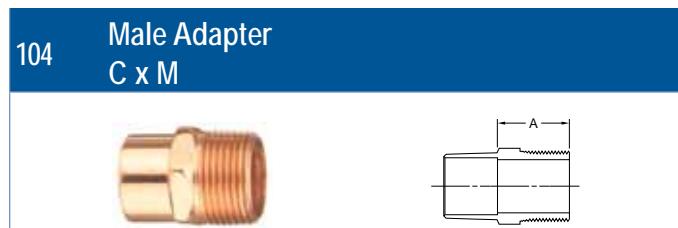
**103-R Female Reducing Adapter
C x F**



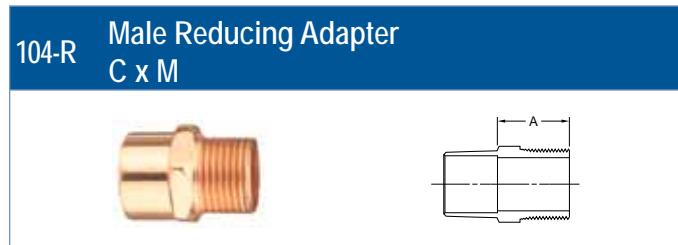
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020500	1/4 x 1/8	0.029	50	1000	7/16			
10020003	3/8 x 1/8	0.024	50	1000	11/32			
10020666	3/8 x 1/4	0.031	50	1000	15/32			
10020001	3/8 x 1/2	0.078	50	500	25/32			
10020007	1/2 x 1/4	0.041	50	1000	15/32			
10020004	1/2 x 3/8	0.052	50	500	19/32			
10020005	1/2 x 3/4	0.121	25	250	3/4			
10020011	5/8 x 1/4	0.047	50	500	15/32			
10020010	5/8 x 3/8	0.048	50	500	9/16			

103-R Female Reducing Adapter (Continued) C x F								
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020008	5/8 x 1/2	0.093	50	500	7/8			
10020009	5/8 x 3/4	0.121	25	250	29/32			
10020013	3/4 x 1/2	0.102	25	250	3/4			
10020016	7/8 x 1/2	0.088	25	250	19/32			
10020014	7/8 x 3/4	0.142	25	250	23/32			
10020015	7/8 x 1	0.218	20	200	17/32			
10020020	1 1/8 x 1/2	0.239	10	100	1 1/16			
10020019	1 1/8 x 3/4	0.159	25	250	43/64			
10020017	1 1/8 x 1	0.226	20	200	3 1/32			
10020018	1 1/8 x 1 1/4	0.299	10	100	17/32			
10020023	1 1/8 x 1	0.238	10	100	55/64			
10020021	1 1/8 x 1 1/4	0.369	10	100	1 3/32			
10020022	1 1/8 x 1 1/2	0.431	10	100	11 9/64			
10020501	1 1/8 x 1 1/4	0.388	10	100	7/8			
10020024	1 1/8 x 1 1/2	0.404	10	100	15/32			
10020025	1 1/8 x 2	0.678	5	50	17/16			
10020502	2 1/8 x 1 1/2	0.730	5	50	13/16			
10020026	2 1/8 x 2	0.667	5	50	1 1/4			
10020027	2 5/8 x 2 1/2	1.228	2	20	1 1/2			

103-2-R Female Reducing Street Adapter FTG x F								
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020028	3/8 x 1/4	0.030	50	1000	29/32			
10020029	1/2 x 3/8	0.049	50	1000	1 1/16			
10020503	5/8 x 1/4	0.047	50	500	59/64			
10020177	5/8 x 3/8	0.062	50	500	1 1/8			
10020030	5/8 x 1/2	0.088	50	500	13/8			
10020031	7/8 x 3/4	0.143	25	250	11 1/16			
10020032	1 1/8 x 1	0.214	20	200	1 31/32			
10020033	1 1/8 x 1 1/4	0.324	10	100	2 5/32			
10020034	1 1/8 x 1 1/2	0.437	10	100	27/16			
10020035	2 1/8 x 2	0.641	5	50	219/32			



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020038	1/4	0.034	50	1000	7/16			
10020041	5/8	0.060	50	1000	63/64			
10020045	1/2	0.072	50	500	15/16			
10020052	3/4	0.129	25	250	1 1/8			



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020036	1/4 x 1/8	0.019	50	1000	13/32			
10020037	1/4 x 3/8	0.043	50	1000	3/4			
10020042	3/8 x 1/8	0.014	50	1000	17/32			
10020039	3/8 x 1/4	0.027	50	1000	15/32			
10020040	3/8 x 1/2	0.069	50	500	7/8			
10020046	1/2 x 1/4	0.039	50	1000	5/8			
10020043	1/2 x 3/8	0.041	50	500	7/8			
10020044	1/2 x 3/4	0.143	25	250	1 11/32			
10020051	5/8 x 1/4	0.059	50	500	5/8			
10020050	5/8 x 3/8	0.053	50	500	47/64			
10020047	5/8 x 1/2	0.064	50	500	19/32			
10020049	5/8 x 3/4	0.135	25	250	13/16			
10020048	5/8 x 1	0.240	20	200	1			
10020053	3/4 x 1/2	0.075	25	500	11/16			
10020056	7/8 x 1/2	0.106	25	250	53/64			
10020054	7/8 x 3/4	0.118	25	250	13/16			
10020055	7/8 x 1	0.234	20	200	7/8			
10020061	1 1/8 x 1/2	0.176	25	250	31/32			
10020060	1 1/8 x 3/4	0.206	25	250	1 3/32			
10020057	1 1/8 x 1	0.170	20	200	27/32			
10020059	1 1/6 x 1 1/4	0.399	10	100	1 21/32			
10020058	1 1/6 x 1 1/2	0.544	10	100	1 29/32			
10020065	1 3/8 x 3/4	0.273	10	100	1			
10020064	1 3/8 x 1	0.304	10	100	1 1/4			
10020062	1 3/8 x 1 1/4	0.317	10	100	15/16			
10020063	1 3/8 x 1 1/2	0.523	10	100	1 45/64			
10020069	1 3/8 x 1	0.435	10	100	1 9/64			
10020068	1 3/8 x 1 1/4	0.386	10	100	1 27/64			

104-R Male Reducing Adapter (Continued) C x M								
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020066	1 5/8 x 1 1/2	0.462	10	100	7/8			
10020067	1 5/8 x 2	0.772	5	50	1 25/32			
10020071	2 1/8 x 1 1/4	0.631	5	50	1 3/4			
10020504	2 1/8 x 1 1/2	0.650	5	50	1 23/64			
10020070	2 1/8 x 2	0.675	5	50	31/32			
10020072	2 5/8 x 2 1/2	1.267	4	40	1 21/32			
10020073	3 1/8 x 3	1.520	2	20	1 7/32			
10020074	4 1/8 x 4	2.262	1	16	1 1/32			

104-2-R Male Reducing Street Adapter FTG x M								
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020075	3/8 x 1/4	0.033	50	1000	1 1/16			
10020076	1/2 x 3/8	0.049	50	1000	1 3/16			
10020241	5/8 x 3/8	0.053	50	500	---			
10020077	5/8 x 1/2	0.074	50	500	1 7/16			
10020505	5/8 x 3/4	0.153	25	250	---			
10020506	7/8 x 1/2	0.093	25	250	1 23/32			
10020078	7/8 x 3/4	0.143	25	250	1 27/32			
10020079	1 1/8 x 1	0.232	20	200	2 5/23			
10020080	1 3/8 x 1 1/4	0.444	10	100	2 1/2			
10020081	1 5/8 x 1 1/2	0.508	10	100	2 13/16			
10020082	2 1/8 x 2	0.749	5	50	2 13/16			

106 45° Elbow (Continued) C x C								
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020189	1 1/8	0.229	25	200	33/64			
10020190	1 5/8	0.343	20	160	19/32			
10020191	2 1/8	0.625	10	80	25/32			
10020192	2 5/8	0.970	5	40	7/8			
10020193	3 1/8	1.460	3	24	63/64			
10020194	3 5/8	2.180	1	16	1 5/32			
10020195	4 1/8	3.800	1	8	11 1/64			

106 45° Elbow C x C								
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020182	1/4	0.006	50	1000	1/8			
10020183	3/8	0.013	50	1000	15/64			
10020184	1/2	0.024	50	1000	1/4			
10020185	5/8	0.034	100	1000	17/64			
10020186	3/4	0.056	25	250	5/16			
10020187	7/8	0.076	50	500	3/8			
10020188	1 1/8	0.137	25	250	13/32			

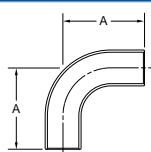
105-C 90° Street Elbow - Close Ruff FTG x FTG								
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020601	1/4	0.008	25	500	5/8			
10020245	3/8	0.013	25	500	27/32			
10020246	1/2	0.029	25	500	1 5/16			
10020247	5/8	0.043	25	500	11/32			
10020508	3/4	0.073	10	200	1 1/4			
10020628	7/8	0.086	25	250	1 13/32			



105-C 90° Street Elbow - Close Ruff (Continued)
FTG x FTG

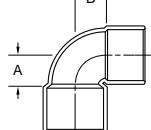
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020630	1 1/8	0.166	10	100	1 29/32			
10020896	1 3/8	0.269	5	50	1 29/32			

105-L 90° Street Elbow - Long Turn
FTG x FTG



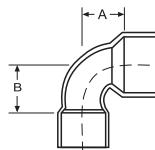
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020279	1/2	0.033	25	500	1 3/16			
10020280	5/8	0.057	25	250	1 7/16			
10020632	7/8	0.138	25	250	2			
10020634	1 1/8	0.251	10	100	2 15/16			
10020509	1 3/8	0.396	5	50	2 29/32			
10020510	1 5/8	0.563	5	50	3 5/16			
10020645	2 1/8	1.156	5	40	4 3/8			

107-C 90° Elbow - Close Ruff
C x C



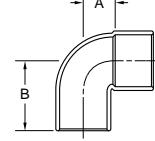
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020208	1/4	0.008	50	1000	3/8	3/8		
10020209	3/8	0.012	50	1000	3/8	3/8		
10020210	1/2	0.026	50	1000	1 3/32	1 3/32		
10020211	5/8	0.038	100	1000	25/64	25/64		
10020213	3/4	0.069	25	250	17/32	17/32		
10020215	7/8	0.096	50	500	9/16	9/16		
10020626	1 1/8	0.208	20	200	47/64	47/64		
10020219	1 3/8	0.259	25	200	15/16	15/16		
10020221	1 5/8	0.371	20	120	1 11/64	1 11/64		
10020223	2 1/8	0.848	10	60	1 29/64	1 29/64		
10020225	2 5/8	1.248	5	40	1 21/32	1 21/32		
10020227	3 1/8	1.943	3	24	1 61/64	1 61/64		
10020229	3 5/8	2.728	1	8	27/32	27/32		
10020230	4 1/8	4.557	1	8	2 17/32	2 17/32		
10020512	6 1/8	15.200	1	1	3 13/16	3 13/16		

107-C-R 90° Reducing Elbow - Close Ruff
C x C



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020513	3/8 x 1/4	0.012	50	1000	1 13/32	5/16		
10020894	1/2 x 3/8	0.027	50	1000	5/8	39/64		
10020664	5/8 x 3/8	0.034	50	500	11/16	43/64		
10020212	5/8 x 1/2	0.042	50	500	43/64	5/8		
10020214	3/4 x 5/8	0.077	25	250	31/32	7/8		
10020216	7/8 x 5/8	0.073	50	500	5/8	15/32		
10020218	1 1/8 x 5/8	0.129	25	250	1 1/8	7/8		
10020217	1 1/8 x 7/8	0.146	25	250	3/4	19/32		
10020220	1 3/8 x 1 1/8	0.229	10	100	7/8	11/16		
10020222	1 5/8 x 1 3/8	0.338	10	100	1 5/64	55/64		
10020224	2 1/8 x 1 5/8	0.602	5	40	1 1/2	11 13/64		
10020226	2 5/8 x 2 1/8	1.128	5	40	1 7/8	1 1/2		
10020228	3 1/8 x 2 5/8	1.598	3	24	2 29/32	1 3/4		

107-C-2 90° Street Elbow - Close Ruff
FTG x C



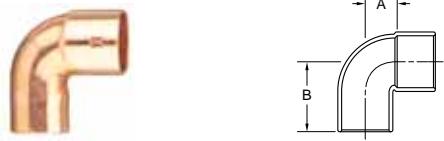
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020231	1/4	0.006	50	1000	3/8	49/64		
10020232	3/8	0.012	50	1000	3/8	3/4		
10020233	1/2	0.027	50	1000	1 13/32	15/16		
10020234	5/8	0.036	100	1000	29/64	1 1/32		
10020235	3/4	0.061	25	250	17/32	1 7/32		
10020236	7/8	0.103	50	500	19/32	1 13/32		
10020237	1 1/8	0.193	20	200	21/32	121/32		
10020238	1 3/8	0.259	25	200	7/8	129/32		
10020239	1 5/8	0.392	20	120	111/64	2 3/8		
10020240	2 1/8	0.805	10	60	1 29/64	2 27/32		
10020242	2 5/8	1.187	5	40	1 3/4	3 21/64		
10020243	3 1/8	1.920	3	24	2	3 25/32		
10020244	3 5/8	2.798	1	8	2 21/64	4 15/64		
10020629	4 1/8	4.446	1	8	2 19/32	4 13/16		

**107-MT 90° Elbow - Medium Turn
C x C**



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020631	1/4	0.010	50	1000	3/8	3/8		
10020898	5/8	0.016	50	1000	3/8	3/8		
10020633	1/2	0.043	50	1000	1/2	1/2		
10020514	5/8	0.068	50	500	19/32	19/32		
10020990	3/4	0.109	25	250	7/8	7/8		
10020515	7/8	0.141	25	250	13/16	13/16		
10020602	1 1/8	0.252	10	100	1	1		

**107-MT-2 90° Street Elbow - Medium Turn
FTG x C**



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020516	1/4	0.010	50	1000	3/8	3/4		
10020517	5/8	0.017	50	1000	3/8	3/4		
10020518	1/2	0.044	50	1000	1/2	15/16		
10020635	5/8	0.066	50	500	19/32	13/16		
10020636	3/4	0.104	25	250	7/8	1 1/2		
10020637	7/8	0.146	25	250	13/16	1 1/8		
10020638	1 1/8	0.271	10	100	1 1/16	2 1/32		

**107-L 90° Elbow - Long Turn (Continued)
C x C**



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020257	7/8	0.123	25	250	1 5/32	1 5/32		
10020261	1	0.231	10	100	1 15/32	1 15/32		
10020262	1 1/8	0.270	10	100	1 29/64	1 29/64		
10020263	1 1/8	0.381	10	80	1 7/8	1 7/8		
10020264	1 5/8	0.563	10	80	2 3/16	2 3/16		
10020265	2 1/8	1.156	5	30	3	3		
10020266	2 5/8	1.737	1	10	3 3/16	3 3/16		
10020267	3 1/8	3.320	1	8	4 5/8	4 5/8		
10020640	3 5/8	4.850	1	1	5 1/4	5 1/4		
10020641	4 1/8	7.400	1	1	5 7/8	5 7/8		

**107-L-R 90° Reducing Elbow - Long Turn
C x C**



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020253	1/2 x 3/8	0.027	50	1000	39/64	5/8		
10020639	5/8 x 1/2	0.042	50	500	5/8	43/64		
10020256	3/4 x 5/8	0.077	25	250	7/8	31/32		
10020260	7/8 x 1/2	0.073	50	500	11/16	27/32		
10020259	7/8 x 5/8	0.086	50	500	7/8	7/8		
10020258	7/8 x 3/4	0.113	25	250	11/16	15/32		
10020993	1 1/8 x 7/8	0.244	25	250	19/64	1 1/4		
10020994	1 5/8 x 1 1/8	0.299	5	50	1 13/32	1 11/16		
10020665	1 5/8 x 1 1/8	0.483	5	50	2	2 1/4		
10020332	2 1/8 x 1 1/8	0.754	5	40	2 3/16	25/16		

**107-L 90° Elbow - Long Turn
C x C**



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020248	3/16	0.007	50	1000	5/16	5/16		
10020249	1/4	0.008	50	1000	1/2	1/2		
10020250	5/16	0.013	50	1000	9/16	9/16		
10020251	3/8	0.019	50	1000	3/4	3/4		
10020252	1/2	0.033	50	500	23/32	23/32		
10020254	5/8	0.058	50	500	55/64	55/64		
10020255	3/4	0.088	25	250	11/16	11/16		

**107-L-2 90° Street Elbow - Long Turn
FTG x C**

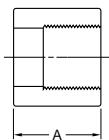


Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020268	1/4	0.008	50	1000	1/2	7/8		
10020269	3/8	0.019	50	1000	23/64	1 1/16		
10020270	1/2	0.033	50	500	23/32	17/32		
10020271	5/8	0.058	50	500	55/64	17/16		
10020272	3/4	0.088	25	250	11/16	127/32		
10020273	7/8	0.139	25	250	1 1/8	2 1/16		

119 Flushing Bushing (Continued) FTG x C

Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020090	1 1/8 x 7/8	0.115	25	250	29/32	5/32		
10020692	1 1/8 x 1 1/8	0.146	25	250	31/32	1/16		
10020620	1 1/8 x 1 3/8	0.199	20	200	13/32	1/8		
10020092	2 1/8 x 1 5/8	0.648	5	50	11 1/32	1/4		

119-3 Female Flushing Bushing FTG x F



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020094	5/8 x 1/8	0.034	50	1000	9/16			
10020093	5/8 x 1/4	0.021	50	1000	9/16			

120 Copper Tube Strap - Double Hole



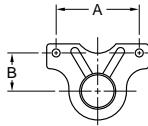
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020353	1/4	0.008	100	2000				
10020354	3/8	0.011	100	2000				
10020355	1/2	0.014	100	2000				
10020356	5/8	0.016	100	1000				
10020357	3/4	0.021	100	1000				
10020358	7/8	0.022	100	1000				
10020359	1 1/8	0.025	100	1000				
10020360	1 3/8	0.041	50	500				
10020361	1 5/8	0.048	50	500				
10020996	2 1/8	0.062	100	800				

120-S Copper Tube Strap - Single Hole Heavy Duty



Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020998	1/4	0.009	100	2000				
10020999	3/8	0.009	100	2000				
10021000	1/2	0.012	100	2000				
10021001	5/8	0.014	100	2000				

124 Hi Ear Hanger



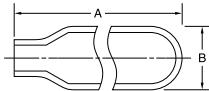
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020537	5/8	0.029	100	1000	1 5/8	47/64		
10020538	7/8	0.038	50	500	1 5/8	7/8		
10020539	1 1/8	0.043	25	250	1 5/8	1		

125 Perforated Copper Strap 3/4" Wide



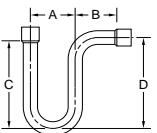
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020352	10 FT ROLL	0.704	6	48				
10020653	25 FT ROLL	1.766	6	48				

122 Air Chamber for Fitting End



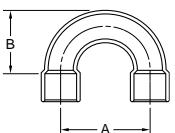
Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020540	5/8 x 1 1/8 x 6	0.218	50	300	6	1		
10020083	5/8 x 1 1/8 x 12	0.423	50	50	12	1		

123

Suction Line P-Trap
C x C

Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020281	5/8	0.213	5	50	2 1/4	2 3/16	2 5/32	3 47/64
10020282	3/4	0.465	10	60	3	2 7/8	5 5/32	6
10020283	7/8	0.541	10	60	3 1/2	2 3/4	5 7/32	5 3/16
10020284	1 1/8	0.902	10	10	3 17/32	2 1/64	4 5/64	5 9/32
10020285	1 3/8	1.439	5	5	5	3 1/2	5 1/4	7
10020286	1 5/8	2.491	5	5	7	4 1/2	7 3/4	9 1/2
10020646	2 1/8	4.468	3	3	6	3 3/4	8 9/16	9 21/32

138

Return Bend
C x C

Item #	O.D. Size (in)	Wt (lbs)	Inner	Master	Dim A	Dim B	Dim C	Dim D
10020995	1/4 x 1	0.013	50	1000	1	5/8		
10020346	3/8 x 1 1/4	0.028	50	500	1 1/4	19/16		
10020345	3/8 x 1 1/2	0.031	50	500	1 1/2	15/16		
10020348	1/2 x 1 1/2	0.054	25	250	1 1/2	1		
10020347	1/2 x 2	0.069	25	250	2	1 1/4		
10020647	5/8 x 1 9/16	0.078	25	250	1 9/16	1 3/32		
10020541	5/8 x 1 1/2	0.074	25	250	1 1/2	1 1/16		
10020351	5/8 x 2 1/4	0.102	25	250	2 1/4	1 7/16		
10020350	5/8 x 2 1/2	0.113	25	250	2 1/2	1 9/16		
10020349	5/8 x 3	0.128	25	250	3	1 13/16		
10020648	3/4 x 2 1/8	0.129	10	100	2 1/8	1 7/16		
10020700	3/4 x 2 1/4	0.138	10	100	2 1/4	1 5/8		
10020542	7/8 x 2 3/8	0.178	10	100	2 3/8	1 5/8		
10020649	7/8 x 2 1/2	0.194	10	100	2 1/2	1 11/16		
10020651	1 1/8 x 3	0.383	5	50	3	2 1/16		
10020650	1 1/8 x 3 1/4	0.412	5	50	3 1/4	2 3/16		
10020702	1 3/8 x 4	0.606	5	40	4	2 1/16		
10020704	1 5/8 x 4 3/8	0.810	5	40	4 3/8	3		
10020543	2 1/8 x 5 1/8	1.725	4	32	5 1/8	3 5/8		
10020652	2 1/8 x 5 1/2	1.802	4	32	5 1/2	3 13/16		

Engineering Data

Rated Internal Working Pressures for Copper Tube Types K, L, M and DWV

Size, Inches	Rated Internal Working Pressures, psi.							
	Type K		Type L		Type M		Type DWV	
	Annealed	Drawn	Annealed	Drawn	Annealed	Drawn	Annealed	Drawn
(Service Temperature up to 150°F (S = 5,100 psi, annealed 9,000 psi, drawn)								
1/4	913	2029	775	1722	-	-	-	-
3/8	979	2135	662	1471	485	1077	-	-
1/2	769	1683	614	1362	420	932	-	-
5/8	633	1389	536	1192	-	-	-	-
3/4	735	1609	495	1099	346	769	-	-
1	563	1236	420	933	286	636	-	-
1 1/4	456	1003	373	823	287	638	280	621
1 1/2	424	933	347	771	281	625	249	552
2	372	820	309	686	254	563	185	410
2 1/2	341	751	286	633	233	517	-	-
3	330	579	269	476	215	380	135	239
3 1/2	313	549	258	456	214	378	-	-
4	308	540	249	440	313	377	128	225
5	295	517	229	404	198	349	128	227
6	296	520	213	376	185	328	126	223
8	315	554	230	406	195	344	124	219
10	315	554	230	407	196	345	-	-
12	316	555	213	375	196	345	-	-
~(Service Temperature up to 200°F (S = 4,800 psi, annealed 9,000 psi, drawn)								
1/4	860	2029	730	1722	-	-	-	-
3/8	921	2135	623	1471	456	1077	-	-
1/2	724	1683	578	1362	395	932	-	-
5/8	596	1389	505	1192	-	-	-	-
3/4	691	1609	466	1099	326	769	-	-
1	530	1236	395	933	270	636	-	-
1 1/4	429	1003	351	828	270	638	264	621
1 1/2	399	933	326	771	265	625	235	552
2	350	820	291	686	239	563	174	410
2 1/2	321	751	269	633	219	517	-	-
3	310	579	254	476	202	380	127	239
3 1/2	294	549	243	456	202	378	-	-
4	290	540	234	440	201	377	120	225
5	278	517	215	404	186	349	121	227
6	278	520	201	376	174	328	118	223
8	297	554	216	406	183	344	117	219
10	297	554	217	407	184	345	-	-
12	298	555	200	375	184	345	-	-
(Service Temperature up to 300°F (S = 4,700 psi, annealed 8,700 psi, drawn)								
1/4	842	1974	714	1676	-	-	-	-
3/8	902	2077	610	1431	446	1048	-	-
1/2	709	1638	565	1325	387	907	-	-
5/8	583	1351	494	1160	-	-	-	-
3/4	662	1566	456	1069	319	748	-	-
1	520	1203	387	908	264	619	-	-
1 1/4	420	976	344	806	265	621	258	604
1 1/2	391	908	319	750	359	608	230	537
2	343	798	285	667	234	548	170	399
2 1/2	314	731	263	616	215	503	-	-
3	304	560	248	449	198	367	124	231
3 1/2	288	531	238	441	197	366	-	-
4	283	522	229	425	197	365	117	218
5	272	500	211	391	182	337	118	220
6	272	502	197	364	171	317	116	216
8	290	535	211	393	179	333	114	209
10	290	535	212	394	180	334	-	-
12	291	536	196	363	180	334	-	-

Engineering Data (Continued)

Size, Inches	Rated Internal Working Pressures, psi							
	Type K		Type L		Type M		Type DWV	
	Annealed	Drawn	Annealed	Drawn	Annealed	Drawn	Annealed	Drawn
(Service Temperature up to 400°F (S = 4,700 psi, annealed 8,700 psi, drawn)								
1/4	537	771	456	654	-	-	-	-
3/8	576	811	390	559	285	409	-	-
1/2	453	640	361	518	247	354	-	-
5/8	373	528	316	453	-	-	-	-
3/4	432	611	291	418	204	292	-	-
1	331	470	247	355	169	242	-	-
1 1/4	268	381	220	315	169	242	165	236
1 1/2	250	355	204	293	166	238	147	210
2	219	312	182	261	150	214	109	156
2 1/2	201	285	168	241	137	196	-	-
3	194	527	159	520	127	346	80	218
3 1/2	184	500	152	415	126	344	-	-
4	181	492	147	401	126	343	75	205
5	174	471	135	368	117	318	76	207
6	174	474	126	343	109	299	74	203
8	186	505	135	370	115	313	73	200
10	186	505	136	371	115	314	-	-
12	186	506	125	342	115	314	-	-

Fractional Inch/Decimal Inch/Millimeters Conversion Chart

Fractional Inch	Decimal Inch	Millimeters	Fractional Inch	Decimal Inch	Millimeters	Fractional Inch	Decimal Inch	Millimeters
1/64	.0156	.396	23/64	.3593	9.128	45/64	.7031	17.859
1/32	.0312	.793	3/8	.375	9.525	23/32	.7187	18.256
3/64	.0468	1.190	25/64	.3906	9.921	47/64	.7343	18.653
1/16	.0625	1.587	13/32	.4062	10.318	3/4	.750	19.050
5/64	.0781	1.984	27/64	.4218	10.715	49/64	.7656	19.446
3/32	.0937	2.381	7/16	.4375	11.112	25/32	.7812	19.843
7/64	.1093	2.778	29/64	.4531	11.509	51/64	.7968	20.240
1/8	.125	3.175	15/32	.4687	11.906	13/16	.8125	20.637
9/64	.1406	3.571	31/64	.4843	12.303	53/64	.8281	20.034
5/32	.1562	3.968	1/2	.500	12.700	27/32	.8437	21.431
11/64	.1718	4.365	33/64	.5156	13.096	55/64	.8593	21.828
3/16	.1875	4.762	17/32	.5312	13.493	7/8	.875	22.225
13/64	.2031	5.159	35/64	.5468	13.890	57/64	.8906	22.621
7/32	.2187	5.556	9/16	.5625	14.287	29/32	.9062	23.018
15/64	.2343	5.953	37/64	.5781	14.684	59/64	.9218	23.415
1/4	.250	6.350	19/32	.5937	15.081	15/16	.9375	23.812
17/64	.2656	6.746	39/64	.6093	15.478	61/64	.9531	24.209
9/32	.2812	7.143	5/8	.625	15.875	31/32	.9687	24.606
19/64	.2968	7.540	41/64	.6406	16.271	63/64	.9843	25.003
5/16	.3125	7.937	21/32	.6562	16.668	1	1.000	25.400
21/64	.3281	8.334	43/64	.6718	17.065			
11/32	.3437	8.731	11/16	.6875	17.462			

Engineering Data

Soldering

Applying Flux - A non-aggressive soldering flux is recommended. Stir the flux before use. A good flux will dissolve and remove traces of residual oxides from the surfaces to be joined, protect the surfaces from re-oxidation during heating and promote the wetting of the surfaces by the solder. A thin, even coating of flux should be applied with a brush to both tube and fitting. Avoid the use of fingers to apply flux. Chemicals in the flux can be harmful if carried to the eyes or open cuts.

Types of Solder - There are a variety of solders available that will produce sound, leak-tight joints. Solders that are used for piping applications contain tin and varying amounts of either antimony, copper, lead or silver. Choice of solder will depend upon application and local codes. For potable water systems, solders which do not contain lead are the best choice.

Assembly - After both surfaces are properly fluxed, they should be assembled by placing the fitting on the tube, making sure the tube seats against the base of the fitting socket. A slight twisting motion is suggested to ensure even coverage by the flux. Remove the excess flux with a rag. Because of the heat that is required during soldering and brazing, only cotton rags should be used. Complete all prepared joints within a single work day. Care must be taken to assure that the tube and fittings are properly supported with a reasonable, uniform capillary space around the entire circumference of the joint. Uniformity of capillary space will ensure good filler metal penetration if the guidelines of successful joint making are followed. Excessive joint clearance can cause the filler metal to crack under stress or vibration.

Heating - Because of the open flame and high temperatures required for soldering and the flammability of the gases used, safety precautions must be observed. The heat is generally applied by use of an air/fuel torch. These torches can cause acetylene or a variety of LP gases. Electric resistance pliers can also be used.

Heating should begin with the flame perpendicular to the tube. This preheat will conduct the initial heat into the socket for even distribution of heat inside and out. Preheating depends upon the size of the joint - experience will indicate the proper amount of time. The flame should not be moved onto the fitting. Move the flame from the fitting socket onto the tube a distance equal to the fitting socket. Touch the solder to the joint. If the solder does not melt, remove it and continue the heating process. Be careful not to overheat or direct the flame into the fitting cup. This action can cause the flux to burn and destroy its effectiveness. When the melting temperature has been reached, heat may be applied to the base of the cup to aid capillary action in drawing the solder into the cup.

Applying Solder - When the tube is in a horizontal position, start applying the solder slightly off-center of the bottom of the joint. Proceed across the bottom of the fitting and up to the top-center position. Return to the point of beginning, overlap the starting point and then proceed up the incompletely soldered side to the top. Again, overlapping the solder. Molten solder will be drawn into the joint by capillary action regardless if the solder is being fed upward, downward or horizontally.

Cooling & Cleaning - After the joint has been completed, natural cooling is best. Shock cooling may cause unnecessary stresses on the joint and may result in eventual failure. Once the fitting is cool, clean off any remaining flux with a wet rag.

Brazing

Applying Flux - The fluxes used for brazing copper joints are different in composition from soldering fluxes. They cannot, and should not, be used interchangeably.

Brazing fluxes are water based. Similar to soldering fluxes, brazing fluxes dissolve and remove residual oxides from the metal surfaces, they protect the metal surfaces from re-oxidation during heating and they promote the wetting of the surfaces to be joined by the brazing filler metal. Fluxes also provide the craftsman with an indication of temperature. Application of the flux is the same

as when soldering. If the outside of the fitting and the heat affected area of the tube are covered with flux, it will prevent oxidation and greatly improve the appearance of the joint.

Brazing Filler Metals - There are two general types of brazing filler metal used for joining copper tube: BCuP (Brazing - Copper - Phosphorus) and BAg (Brazing - Silver). These brazing filler metals are classified according to their components.

BCuP filler metals are preferred for joining copper tube and fittings. The phosphorus in these filler metals acts as a fluxing agent and the lower percentage of silver makes them relatively low cost filler metals. When using copper tube, wrought copper fittings and BCuP brazing filler metal, fluxing is an option due to the self-fluxing action of the phosphorus present in all components of the brazed joint.

The choice of brazing filler metals depends upon four main factors:

- dimensional tolerance of the joint
- type and material of fitting (cast or wrought)
- desired appearance
- cost

Heating - Oxy/fuel torches are generally used when brazing because of the higher temperatures required. Due to recent innovations in air/fuel torch tip design, they can now be used on a wider variety of sizes for soldering and brazing.

When working with temperatures this high, safety precautions must be followed and care taken to protect both the operator and the materials being used.

The heating operation is the same as for soldering. First preheat the tube and then the tube and fitting. When the brazing filler metal starts to melt, apply the heat at the base of the fitting socket to help draw the brazing filler metal in by capillary action.

Applying Brazing Filler Metal - Remember to allow the heat of the joint to melt the filler metal. Do not melt the filler metal with the torch. The melted filler metal will be drawn into the joint by capillary action. It is very important that the flame be in continuous motion and should not be allowed to remain on any one point long enough to burn through the tube or fitting. When the joint is complete, a continuous filler should be visible completely around the joint. If the filler metal fails to flow, or has the tendency to ball-up, it indicates oxidation on the metal surfaces or insufficient heat on the parts to be joined. If the filler metal refuses to enter the joint and tends to flow over the outside of either part of the joint, it indicates that this part is overheated or that the other part is underheated.

Cooling and Cleaning - When the joint is complete, allow it to cool naturally. Flux residues can be removed by washing with hot water and brushing with a stainless steel wire brush.

Summary

If the parts to be joined are properly prepared, properly heated and the correct filler metal is used, the finished joint should be sound. Soldered or brazed copper piping systems, when installed properly, will provide years of safe and reliable service. Proper training of the correct installation techniques, such as those just covered, will give the craftsman the ability to achieve consistently reliable soldered and brazed joints in all diameters.

Prepared with technical assistance from the Copper Development Association.



Marketing Policy

Delays:

All orders are accepted subject to the understanding that we are not responsible for delays caused by fires, floods, accidents, strikes or other circumstances beyond our control.

Warranty:

Elkhart Products Corporation, Plumbing Products Division, warrants that all fittings will be free from defects in materials and workmanship which will impair their usefulness provided they are used in the service for which they are recommended. Any fitting which proves to be defective will be replaced or a credit issued but no incidental labor charges, expenses or damages will be allowed.

Dimensions:

Recognizing the need for dimensions to enable our customers to figure tube lengths, we have included roughing-in dimensions in this catalog. These dimensions are furnished in accordance with the latest information available at the time of publication and are for estimating purposes only. If more exact information is required, it is suggested that the factory be consulted.

Packaging:

EPC Wrot fittings are packaged in cartons with easy to read labels to facilitate handling and identification. No individual carton contains more than 100 pieces and most items are packaged in master cartons clearly marked with identifying labels. Box quantities are shown in the catalog next to each item. Where no quantities are shown, packaging will be subject to customer's specification.

Also available in individual bags with bar coding.

Factory Option Items:

Factory option items (indicated by an asterisk) are available with an 8-10 week lead time and special pricing. They are non-cancelable and non-returnable. Elkhart Products cannot be responsible for delays on special order items.

Special Cleaning:

EPC fittings may be cleaned and bagged or cleaned and capped for oxygen orders. Consult the EPC representative nearest you for price and delivery.

Net Weights:

Approximate net weights in pounds are shown for each item in the catalog for the purpose of estimating the weight of shipments to meet the terms for freight allowance.

Sizes:

Unless otherwise specifically stated, all copper end sizes shown in this catalog are nominal tube sizes. For the guidance of the refrigeration trade and others accustomed to dealing in "O.D. tube sizes," the nominal size of a fitting is always 1/8" less than the actual O.D. size of the tube used with it.

Return Goods:

A 25% restocking charge will apply to all goods returned, not due to defects in materials, workmanship, or shipping errors. Please consult your EPC representative for return goods authorization.

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