

# SOLDER-JOINT ENDS COPPER WATER TUBE

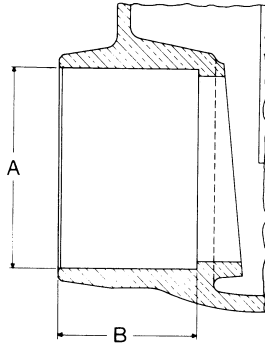
## SERVICE RECOMMENDATIONS

Seamless copper water tube is used for such services as steam, water or air and oil, gas or similar fluids.

Type K Tube is especially recommended for underground use and where service conditions are severe. It is also recommended for general plumbing and heating systems and is used for gas, oil and steam.

Type L Tube is for interior use in general plumbing and heating work.

Type M Tube is for use with solder-joint fittings only, for waste, vent and interior drainage lines and other non-pressure applications.



**DIMENSIONS OF SOLDER-JOINT ENDS**

Standard Water Tube Size Inches	A Inside Diameter		B Depth Min. Inches
	Min. Inches	Max. Inches	
1/4	.377	.381	5/16
3/8	.502	.506	3/8
1/2	.627	.631	1/2
3/4	.877	.881	3/4
1	1.128	1.132	29/32
1 1/4	1.378	1.382	31/32
1 1/2	1.628	1.633	1 3/32
2	2.128	2.133	1 11/32
2 1/2	2.628	2.633	1 15/32
3	3.128	3.133	1 21/32
3 1/2	3.628	3.633	1 29/32
4	4.128	4.133	2 5/32
5	5.128	5.133	2 21/32
6	6.128	6.133	3 3/32
8	8.128	8.133	3 31/32

Extracted from ANSI Standard Cast Brass Solder-Joint Fittings—B16.18.

As steam installations, the successful application of copper tube depends upon weight of tube and solder used when making joints. The solder must have a melting point high enough to remain unaffected by the temperature of the steam.

**HARD COPPER TUBE:** Hard copper tube is intended primarily for use in straight lengths. Without proper bending equipment, its use is not recommended for field bending.

**SOFT COPPER TUBE:** This tube can be bent without special bending equipment and is recommended for use when bends must be made in the field, as in concealed replacement work. Soft copper tubing may become flattened or distorted when being handled or while in transit. The ends of this tube should therefore be sized to assure a tight soldered joint.

Type K (hard and soft) and Type L (hard and soft) in sizes 3/8" to 12" and Type M (hard) in sizes 2 1/2" to 12" conform to ANSI Standard for Copper Water Tube, H23.1. Also conforms to Federal Specification WW-T-799.

## TUBE DIMENSIONS AND WEIGHTS

Nominal Size of Tube In.	Actual Outside Diam. of Tube In.	Type K Tube		Type L Tube		Type M Tube	
		Wall Thickness In.	Wgt. Per Foot Lbs.	Wall Thickness In.	Wgt. Per Foot Lbs.	Wall Thickness In.	Wgt. Per Foot Lbs.
1/4	3/8			.030	.126		
3/8	1/2	.049	.269	.035	.198		
1/2	5/8	.049	.344	.040	.285		
3/4	7/8	.065	.641	.045	.455		
1	1 1/8	.065	.839	.050	.655		
1 1/4	1 3/8	.065	1.04	.055	.884	.042	.68
1 1/2	1 5/8	.072	1.36	.060	1.14	.049	.94
2	2 1/8	.083	2.06	.070	1.75	.058	1.46
2 1/2	2 5/8	.095	2.93	.080	2.48	.065	2.03
3	3 1/8	.109	4.00	.090	3.33	.072	2.68
3 1/2	3 5/8	.120	5.12	.100	4.29	.083	3.58
4	4 1/8	.13	6.51	.110	5.38	.095	4.66
5	5 1/8	.160	9.67	.125	7.61	.109	6.66
6	6 1/8	.192	13.90	.140	10.20	.122	8.92
8	8 1/8	.271	25.90	.200	19.30	.170	16.50
10	10 1/8	.338	40.30	.250	30.10	.212	25.60
12	12 1/8	.405	57.80	.280	40.40	.254	36.70

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BETTER AT EVERY TURN



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