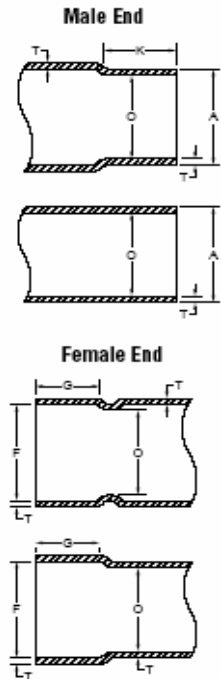




Wrot Copper and Bronze Solder-Joint Pressure Fittings

Dimensions of Soldered-Joint Ends (in inches)

Standard Water Tube Size	Male End		Female End				Wall Thickness T	Inside Diameter of Fitting O
	Outside Diameter A		Length K	Inside Diameter F		Depth G		
	Min.	Max.		Min.	Max.			
1/8	0.248	0.251	0.31	0.252	0.256	0.25	.019	0.18
1/4	0.373	0.376	0.38	0.377	0.381	0.31	.023	0.30
3/8	0.497	0.501	0.44	0.502	0.506	0.38	.026	0.39
1/2	0.622	0.626	0.56	0.627	0.631	0.50	.029	0.52
5/8	0.747	0.751	0.69	0.752	0.756	0.62	.031	0.63
3/4	0.872	0.876	0.81	0.877	0.881	0.75	.033	0.74
1	1.122	1.127	0.97	1.128	1.132	0.91	.040	0.98
1 1/4	1.372	1.377	1.03	1.378	1.382	0.97	.044	1.23
1 1/2	1.621	1.627	1.16	1.628	1.633	1.09	.051	1.47
2	2.121	2.127	1.41	2.128	2.133	1.34	.059	1.94
2 1/2	2.621	2.627	1.53	2.628	2.633	1.47	.067	2.42
3	3.121	3.127	1.72	3.128	3.133	1.66	.075	2.89
3 1/2	3.621	3.627	1.97	3.628	3.633	1.91	.086	3.67
4	4.121	4.127	2.22	4.128	4.133	2.16	.096	3.84
5	5.121	5.127	2.72	5.128	5.133	2.66	.111	4.70
6	6.121	6.127	3.22	6.128	6.133	3.09	.124	5.72
8	8.119	8.127	4.09	8.128	8.133	3.97	.173	7.55



Wrot Copper Solder-Joint Drainage Fittings

Dimensions of Soldered-Joint Ends (in inches)

1 1/4	1.372	1.377	0.56	1.378	1.382	0.50	.040	1.29
1 1/2	1.621	1.627	0.62	1.628	1.633	0.56	.042	1.53
2	2.121	2.127	0.69	2.128	2.133	0.62	.042	2.01
3	3.121	3.127	0.81	3.128	3.133	0.75	1.045	2.98
4	4.121	4.127	1.06	4.128	4.133	1.00	.058	3.93

Extracted from American National Standard Wrought Copper and Bronze Solder-Joint Drainage Fittings (ANSI B16.29) with the permission of the publisher. The American Society of Mechanical Engineers, 3 Park Ave., New York, NY 10016-5990

Wrot Copper Fittings Large Diameter Welded Design - 5", 6" & 8"

Fitting Material:

Copper Alloy #122, Phosphorus
Deoxidized-High Residual Phosphorus (DHP)
Composition: 99% Copper; .015-.040% Phosphorus.

Weld Material:

Silicon Bronze. Meets specification
American Welding Society (AWS) A5.7-91R
and American Metals Society (AMS) 4616B

Weld Specifications:

Tensile Strength - Up to 58,000 PSI
Yield Strength - Up to 25,000 PSI
Elongation in 2" - 53% to 55%
Hardness - 80 to 100 Brinell (500 kg. Load)
Temperature: Melt 1832°F, Flow 1931°F

Method of Joining:

Electric Weld

Dimensions & Specifications:

EPC Welded fittings are produced in accordance with specifications shown in Manufacturers Standardization Society (MSS) SP-109 for wrought copper, and copper alloy solder-joint pressure fittings.

Testing:

Each fitting is individually tested with air under water. The burst pressure of EPC welded fittings exceeds the recommended working pressure of comparable diameter, annealed, straight, seamless ASTM B88-96-A type "L" copper water tube by a safety factor of 4:1 or more.