

BRASS, COPPER, AND BRONZE DIMENSIONS, WEIGHTS, AND TOLERANCES

(EXTRACTED FROM COPPER & BRASS RESEARCH ASSOCIATION STANDARDS. TABLES CORRESPOND TO THE NATIONAL BUREAU OF STANDARDS SIMPLIFIED PRACTICE RECOMMENDATIONS R217-46)

<u>STANDARD PIPE SIZE</u> <u>IN INCHES</u>	<u>WEIGHT PER FOOT</u> <u>TOLERANCES</u>		<u>WALL THICKNESS</u> <u>TOLERANCE</u>	
	<u>PLUS AND MINUS</u>	<u>MINUS</u>	<u>PLUS</u>	
UP TO 6 INCL	5%	*5%	LIMITED ONLY	
OVER 6 TO 8 INCL	7%	*7%	BY WEIGHT	
OVER 8	8%	*8%	TOLERANCES	

LENGTH TOLERANCES: STANDARD LENGTH 12 FEET PLUS AND MINUS 1/2".

*EXPRESSED TO THE NEAREST 0.001".

NOTE-THESE TOLERANCE SCHEDULES ARE USED BY THE INDUSTRY AS APPLICABLE TO COMMERCIAL MATERIAL, IN THE ABSENCE OF OTHER SPECIFICATION BY THE PURCHASER.

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STANDARD

<u>STANDARD PIPE</u> <u>SIZE IN INCHES</u>	<u>NOMINAL DIMENSIONS IN INCHES</u>			<u>POUNDS PER</u> <u>FOOT</u>	
	<u>OUTSIDE</u> <u>DIAMETER</u>	<u>INSIDE</u> <u>DIAMETER</u>	<u>WALL</u> <u>THICKNESS</u>	<u>RED</u> <u>BRASS</u>	<u>COPPER</u>
1/8	0.405	0.281	0.062	0.253	0.259
1/4	0.540	0.376	0.082	0.447	0.457
3/8	0.675	0.495	0.092	0.627	0.641
1/2	0.840	0.626	0.107	0.934	0.955
3/4	1.050	0.822	0.114	1.27	1.30
1	1.315	1.063	0.126	1.78	1.82
1-1/4	1.660	1.368	0.146	2.63	2.69
1-1/2	1.900	1.600	0.150	3.13	3.20
2	2.375	2.063	0.156	4.12	4.22
2-1/2	2.875	2.501	0.187	5.99	6.12
3	3.500	3.062	0.219	8.56	8.75
3-1/2	4.000	3.500	0.250	11.2	11.4
4	4.500	4.000	0.250	12.7	12.9
5	5.562	5.062	0.250	15.8	16.2
6	6.625	6.125	0.250	19.0	19.4
8	8.625	8.001	0.312	30.9	31.6
10	10.750	10.020	0.365	45	46.2

continued ...

12 12.750 12.000 0.375 55.3 56.5
 NOTE-ITEMS CONFORMING TO THE ABOVE DIMENSIONS SHALL BE
 APPLICABLE TO "PIPE"; ALL OTHER DIMENSIONS SHALL BE APPLICABLE TO
 "TUBE."

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EXTRA STRONG

<u>STANDARD PIPE</u> <u>SIZE IN INCHES</u>	<u>NOMINAL DIMENSIONS IN INCHES</u>			<u>POUNDS PER</u> <u>FOOT</u>	
	<u>OUTSIDE</u> <u>DIAMETER</u>	<u>INSIDE</u> <u>DIAMETER</u>	<u>WALL</u> <u>THICKNESS</u>	<u>RED</u> <u>BRASS</u>	<u>COPPER</u>
1/8	0.405	0.205	0.100	0.363	0.371
1/4	0.540	0.294	0.123	0.611	0.625
3/8	0.675	0.421	0.127	0.829	0.847
1/2	0.840	0.542	0.149	1.23	1.25
3/4	1.050	0.736	0.157	1.67	1.71
1	1.315	0.951	0.182	2.46	2.51
1-1/4	1.660	1.272	0.194	3.39	3.46
1-1/2	1.900	1.494	0.203	4.10	4.19
2	2.375	1.933	0.221	5.67	5.80
2-1/2	2.875	2.315	0.280	8.66	8.85
3	3.500	2.892	0.304	11.6	11.8
3-1/2	4.000	3.358	0.321	14.1	14.4
4	4.500	3.818	0.341	16.9	17.3
5	5.562	4.812	0.375	23.2	23.7
6	6.625	5.751	0.437	32.2	32.9
8	8.625	7.625	0.500	48.4	49.5
10	10.750	9.750	0.500	61.1	62.4

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 "TUBE."