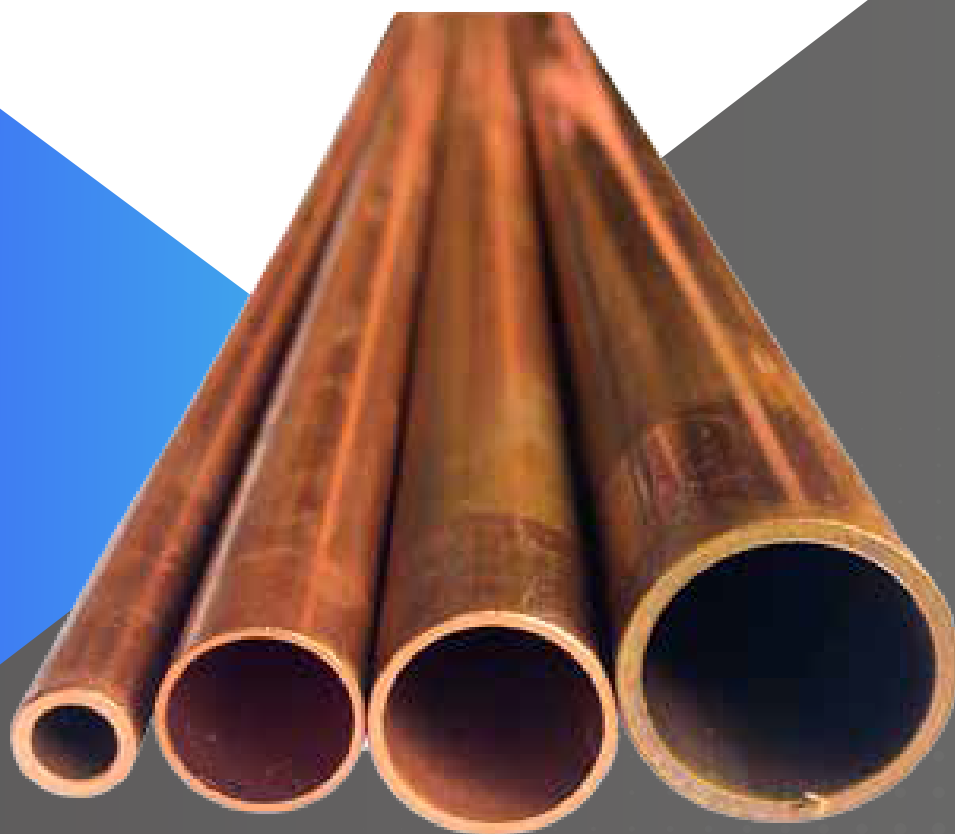


COPPER TUBES



Dimension Specifications

JIS H3300 C1220T – Standard that specifies expanded copper and copper alloy seamless pipes and tubes, having round section.

ASTM B88 – Standard specifications for seamless copper tube that suitable for general plumbing, similar applications for the conveyance of fluids, and commonly used with solder, flared, or compression-type fittings.



Copper Tubes

Chemical Composition & Mechanical Properties

		Chemical Composition %		Tensile Strength N/mm ²
		Cu	P	
C1220T Copper Tube	Min.	99.90	0.015	315
	Max.		0.040	
B88 Copper Tube	Min.	99.90	0.015	250
	Max.		0.040	

Pressure Ratings and Burst Strength

$$P = 2St_{min} \div D_{max} - 0.8t_{min}$$

WHERE:

P=Allowable pressure, psi

S=Maximum allowable stress in tension, psi

t min=Wall thickness (min.), in.

D max=Outside diameter (max.), in.

C=A constant

Ordering Information

TC	-	T	-	FH	-	MM	-	6	X	1.5
I		II		III		IV		V		VI

I	Type of Item		
TC	Copper Tubes		

II	Material Type		
T	Tubes		
C	Coils		

III	Item Finish		
FH	Full Hard		
HH	Half Hard		
S	Soft Annealed		

IV	Size Designator		
MM	Metric Size		
IN	Inches Size		
NB	Nominal Bore Size		
K	Type K Copper Tube		
L	Type L Copper Tube		

V	Tube OD Sizes		
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For Metric OD Sizes

Size	6MM	12MM	20MM		35MM	38MM	42MM
Code	6	12	20		35	38	42

V	Tube OD Sizes		
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For Inch OD& InchNB Sizes

Size	1/8"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"
Code	02	04	05	06	08	10	12	14
Size	1"	1 1/8"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Code	16	18	20	24	32	40	48	64

VI	Tube Thickness Sizes		
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For Metric Sizes

Size	1.0MM	1.5MM	2.0MM		4.0MM	5.0MM	10.0MM
Code	1.0	1.5	2.0		4.0	5.0	10.0

VI	Tube Thickness Sizes		
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For Inch Sizes

Size	0.035"	0.049"	0.065"	0.083"	0.095"
Code	035	049	065	083	095
Size	0.109"	0.120"	0.134"	0.156"	0.188"
Code	109	120	134	156	188

Seamless Copper Tube JIS H3300 C1220T

No	Part No	Description	Weight/ 6 meter (Kg)
1	TC-T-FH-IN-05X0.9	5/16"OD x 0.9MM THK x 6 MTR COPPER TUBE	1.07
2	TC-T-FH-IN-05X1.2	5/16"OD x 1.2MM THK x 6 MTR COPPER TUBE	1.36
3	TC-T-FH-IN-05X1.5	5/16"OD x 1.5MM THK x 6 MTR COPPER TUBE	1.63
4	TC-T-FH-IN-04X0.9	1/4"OD x 0.9MM THK x 6 MTR COPPER TUBE	0.83
5	TC-T-FH-IN-04X1.2	1/4"OD x 1.2MM THK x 6 MTR COPPER TUBE	1.04
6	TC-T-FH-IN-06X1.2	3/8"OD x 1.2MM THK x 6 MTR COPPER TUBE	1.68
7	TC-T-FH-IN-06X1.5	3/8"OD x 1.5MM THK x 6 MTR COPPER TUBE	2.03
8	TC-T-FH-IN-08X1.2	1/2"OD x 1.2MM THK x 6 MTR COPPER TUBE	2.33
9	TC-T-FH-IN-08X1.5	1/2"OD x 1.5MM THK x 6 MTR COPPER TUBE	2.83
10	TC-T-FH-IN-10X0.89	5/8"OD x 0.89MM THK x 6 MTR COPPER TUBE	2.25
11	TC-T-FH-IN-10X1.5	5/8"OD x 1.5MM THK x 6 MTR COPPER TUBE	3.64
12	TC-T-FH-IN-10X3.0	5/8"OD x 3.0MM THK x 6 MTR COPPER TUBE	6.51
13	TC-T-FH-IN-12X1.2	3/4"OD x 1.2MM THK x 6 MTR COPPER TUBE	3.61
14	TC-T-FH-IN-12X1.5	3/4"OD x 1.5MM THK x 6 MTR COPPER TUBE	4.44
15	TC-T-FH-IN-12X3.0	3/4"OD x 3.0MM THK x 6 MTR COPPER TUBE	8.12
16	TC-T-FH-IN-14X1.2	7/8"OD x 1.2MM THK x 6 MTR COPPER TUBE	4.25
17	TC-T-FH-IN-14X1.5	7/8"OD x 1.5MM THK x 6 MTR COPPER TUBE	5.24
18	TC-T-FH-IN-16X1.5	1"OD x 1.5MM THK x 6 MTR COPPER TUBE	6.04
19	TC-T-FH-IN-16X3.0	1"OD x 3.0MM THK x 6 MTR COPPER TUBE	11.33
20	TC-T-FH-IN-18X1.5	1 1/8"OD x 1.5MM THK x 6 MTR COPPER TUBE	6.85
21	TC-T-FH-IN-18X2.0	1 1/8"OD x 2.0MM THK x 6 MTR COPPER TUBE	8.96
22	TC-T-FH-IN-18X3.0	1 1/8"OD x 3.0MM THK x 6 MTR COPPER TUBE	12.94
23	TC-T-FH-IN-20X1.5	1 1/4"OD x 1.5MM THK x 6 MTR COPPER TUBE	7.65
24	TC-T-FH-MM-06X1.0	6MM OD x 1.0MM THK x 6 MTR COPPER TUBE	0.84
25	TC-T-FH-MM-08X1.0	8MM OD x 1.0MM THK x 6 MTR COPPER TUBE	1.18
26	TC-T-FH-MM-08X1.2	8MM OD x 1.2MM THK x 6 MTR COPPER TUBE	1.38
27	TC-T-FH-MM-08X1.5	8MM OD x 1.5MM THK x 6 MTR COPPER TUBE	1.64
28	TC-T-FH-MM-10X1.0	10MM OD x 1.0MM THK x 6 MTR COPPER TUBE	1.52
29	TC-T-FH-MM-10X1.2	10MM OD x 1.2MM THK x 6 MTR COPPER TUBE	1.78
30	TC-T-FH-MM-10X1.5	10MM OD x 1.5MM THK x 6 MTR COPPER TUBE	2.15
31	TC-T-FH-MM-12X1.0	12MM OD x 1.0MM THK x 6 MTR COPPER TUBE	1.85
32	TC-T-FH-MM-12X1.2	12MM OD x 1.2MM THK x 6 MTR COPPER TUBE	2.19
33	TC-T-FH-MM-12X1.5	12MM OD x 1.5MM THK x 6 MTR COPPER TUBE	2.66
34	TC-T-FH-MM-12X2.0	12MM OD x 2.0MM THK x 6 MTR COPPER TUBE	3.37
35	TC-T-FH-MM-14X1.0	14MM OD x 1.0MM THK x 6 MTR COPPER TUBE	2.19
36	TC-T-FH-MM-14X1.5	14MM OD x 1.5MM THK x 6 MTR COPPER TUBE	3.16
37	TC-T-FH-MM-15X1.2	15MM OD x 1.2MM THK x 6 MTR COPPER TUBE	2.79
38	TC-T-FH-MM-15X1.5	15MM OD x 1.5MM THK x 6 MTR COPPER TUBE	3.41
39	TC-T-FH-MM-15X2.0	15MM OD x 2.0MM THK x 6 MTR COPPER TUBE	4.38
40	TC-T-FH-MM-16X1.0	16MM OD x 1.0MM THK x 6 MTR COPPER TUBE	2.53
41	TC-T-FH-MM-16X1.2	16MM OD x 1.2MM THK x 6 MTR COPPER TUBE	2.99
42	TC-T-FH-MM-16X1.5	16MM OD x 1.5MM THK x 6 MTR COPPER TUBE	3.67
43	TC-T-FH-MM-18X1.0	18MM OD x 1.0MM THK x 6 MTR COPPER TUBE	-
44	TC-T-FH-MM-18X1.2	18MM OD x 1.2MM THK x 6 MTR COPPER TUBE	3.4
45	TC-T-FH-MM-18X1.5	18MM OD x 1.5MM THK x 6 MTR COPPER TUBE	4.17

Seamless Copper Tube JIS H3300 C1220T

No	Part No	Description	Weight/ 6 meter (Kg)
46	TC-T-FH-MM-20X1.2	20MM OD x 1.2MM THK x 6 MTR COPPER TUBE	3.8
47	TC-T-FH-MM-20X1.5	20MM OD x 1.5MM THK x 6 MTR COPPER TUBE	4.68
48	TC-T-FH-MM-20X2.0	20MM OD x 2.0MM THK x 6 MTR COPPER TUBE	6.07
49	TC-T-FH-MM-22X1.2	22MM OD x 1.2MM THK x 6 MTR COPPER TUBE	4.21
50	TC-T-FH-MM-22X1.5	22MM OD x 1.5MM THK x 6 MTR COPPER TUBE	5.18
51	TC-T-FH-MM-25X1.5	25MM OD x 1.5MM THK x 6 MTR COPPER TUBE	5.94
52	TC-T-FH-MM-25X2.0	25MM OD x 2.0MM THK x 6 MTR COPPER TUBE	7.76
53	TC-T-FH-MM-28X1.5	28MM OD x 1.5MM THK x 6 MTR COPPER TUBE	6.7
54	TC-T-FH-MM-28X2.0	28MM OD x 2.0MM THK x 6 MTR COPPER TUBE	8.77
55	TC-T-FH-MM-30X1.5	30MM OD x 1.5MM THK x 6 MTR COPPER TUBE	7.21
56	TC-T-FH-MM-35X1.5	35MM OD x 1.5MM THK x 6 MTR COPPER TUBE	8.47
57	TC-T-FH-MM-38X1.5	38MM OD x 1.5MM THK x 6 MTR COPPER TUBE	9.23
58	TC-T-FH-MM-44X2.0	44MM OD x 2.0MM THK x 6 MTR COPPER TUBE	14.16
59	TC-T-FH-MM-54X2.0	54MM OD x 2.0MM THK x 6 MTR COPPER TUBE	17.53



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