

Copper Coils

Dimension Specifications

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



Chemical Composition & Mechanical Properties

		Chemical Composition %		Tensile Strength N/mm ²
		Cu	P	
C1220T Copper Coil	Min.	99.90	0.015	245
	Max.		0.040	324

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 - C - S - 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
For Metric OD Sizes

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

V Tube OD Sizes
For Inch OD & Inch NB 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
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
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 Coil JIS H3300 C1220T

No.	Part No	Description	Weight/ 15 meter (Kg)
1	TC-C-S-IN-04X0.71	1/4"OD x 0.71MM THK x 15 MTR COPPER COIL	1.69
2	TC-C-S-IN-04X0.85	1/4"OD x 0.85MM THK x 15 MTR COPPER COIL	1.97
3	TC-C-S-IN-04X0.89	1/4"OD x 0.89MM THK x 15 MTR COPPER COIL	2.05
4	TC-C-S-IN-04X1.24	1/4"OD x 1.24MM THK x 15 MTR COPPER COIL	2.67
5	TC-C-S-IN-05X0.85	5/16"OD x 0.85MM THK x 15 MTR COPPER COIL	1.97
6	TC-C-S-IN-05X0.89	5/16"OD x 0.89MM THK x 15 MTR COPPER COIL	2.05
7	TC-C-S-IN-05X1.5	5/16"OD x 1.5MM THK x 15 MTR COPPER COIL	3.07
8	TC-C-S-IN-06X0.65	3/8"OD x 0.65MM THK x 15 MTR COPPER COIL	-
9	TC-C-S-IN-06X0.71	3/8"OD x 0.71MM THK x 15 MTR COPPER COIL	2.64
10	TC-C-S-IN-06X0.89	3/8"OD x 0.89MM THK x 15 MTR COPPER COIL	3.24
11	TC-C-S-IN-06X1.2	3/8"OD x 1.2MM THK x 15 MTR COPPER COIL	4.21
12	TC-C-S-IN-06X1.5	3/8"OD x 1.5MM THK x 15 MTR COPPER COIL	5.07
13	TC-C-S-IN-08X0.71	1/2"OD x 0.71MM THK x 15 MTR COPPER COIL	3.59
14	TC-C-S-IN-08X0.89	1/2"OD x 0.89MM THK x 15 MTR COPPER COIL	4.43
15	TC-C-S-IN-08X1.2	1/2"OD x 1.2MM THK x 15 MTR COPPER COIL	5.82
16	TC-C-S-IN-08X1.5	1/2"OD x 1.5MM THK x 15 MTR COPPER COIL	7.08
17	TC-C-S-IN-10X0.71	5/8"OD x 0.71MM THK x 15 MTR COPPER COIL	4.54
18	TC-C-S-IN-10X1.2	5/8"OD x 1.2MM THK x 15 MTR COPPER COIL	7.42
19	TC-C-S-IN-10X1.5	5/8"OD x 1.5MM THK x 15 MTR COPPER COIL	9.09
20	TC-C-S-IN-12X1.2	3/4"OD x 1.2MM THK x 15 MTR COPPER COIL	9.03
21	TC-C-S-IN-12X1.5	3/4"OD x 1.5MM THK x 15 MTR COPPER COIL	11.1
22	TC-C-S-MM-6X1.0	6MM OD x 1.0MM THK x 15 MTR COPPER COIL	2.11
23	TC-C-S-MM-8X1.0	8MM OD x 1.0MM THK x 15 MTR COPPER COIL	2.95
24	TC-C-S-MM-8X1.2	8MM OD x 1.2MM THK x 15 MTR COPPER COIL	3.44
25	TC-C-S-MM-10X1.0	10MM OD x 1.0MM THK x 15 MTR COPPER COIL	3.79
26	TC-C-S-MM-10X1.2	10MM OD x 1.2MM THK x 15 MTR COPPER COIL	4.45
27	TC-C-S-MM-10X1.5	10MM OD x 1.5MM THK x 15 MTR COPPER COIL	5.37
28	TC-C-S-MM-12X1.0	12MM OD x 1.0MM THK x 15 MTR COPPER COIL	4.64
29	TC-C-S-MM-12X1.2	12MM OD x 1.2MM THK x 15 MTR COPPER COIL	5.46
30	TC-C-S-MM-12X1.4	12MM OD x 1.4MM THK x 15 MTR COPPER COIL	6.26
31	TC-C-S-MM-12X1.5	12MM OD x 1.5MM THK x 15 MTR COPPER COIL	6.64
32	TC-C-S-MM-14X1.2	14MM OD x 1.2MM THK x 15 MTR COPPER COIL	6.47
33	TC-C-S-MM-14X1.5	14MM OD x 1.5MM THK x 15 MTR COPPER COIL	7.90
34	TC-C-S-MM-15X1.2	15MM OD x 1.2MM THK x 15 MTR COPPER COIL	6.98
35	TC-C-S-MM-15X1.5	15MM OD x 1.5MM THK x 15 MTR COPPER COIL	8.54