

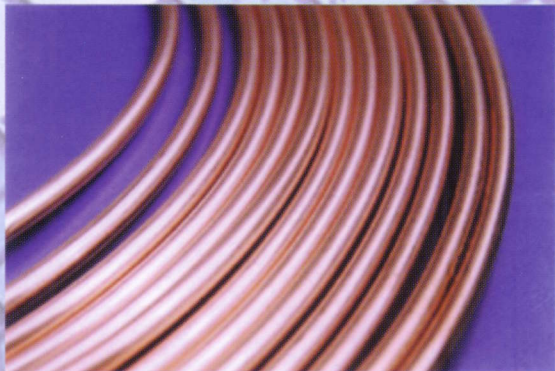
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Izumi

*Your Excellent Partner for Air-conditioning,
Refrigeration & Plumbing Solution*



*Seamless Copper ACR
Pancake Coils & Straight Pipes*



*The Next
Generation of
Copper Piping System*

いずみ Izumi

COPPER TUBES FOR PLUMBING, DRAINAGE WASTE AND VENT

Type	Standard Size Inch (mm)	Outside Diameter Inch (mm)	Wall Thickness Inch (mm)	Max Pressure Permitted Lbs/Sq.Inch	Theoretical Weight	
					Lb/Ft	(Kg/m)
K	¼ (6.35)	0.375 (9.53)	0.035 (0.89)	1210	0.145	0.215
	3/8 (9.53)	0.500 (12.7)	0.049 (1.24)	1266	0.269	0.398
	½ (12.7)	0.625 (15.88)	0.049 (1.24)	995	0.344	0.508
	5/8 (15.88)	0.750 (19.05)	0.049 (1.24)	824	0.418	0.618
	¾ (19.05)	0.875 (22.23)	0.065 (1.65)	938	0.641	0.951
	1 (25.4)	1.125 (28.58)	0.065 (1.65)	725	0.839	1.244
	1-1/4 (31.75)	1.375 (34.93)	0.065 (1.65)	583	1.040	1.538
	1-1/2 (38.1)	1.625 (41.28)	0.072 (1.83)	540	1.360	2.021
	2 (50.8)	2.125 (53.98)	0.083 (2.11)	483	2.060	3.064
	2-1/2 (63.5)	2.625 (66.68)	0.095 (2.41)	441	2.930	4.337
L	¼ (6.35)	0.375 (9.53)	0.030 (0.76)	1010	0.126	0.187
	3/8 (9.53)	0.500 (12.7)	0.035 (0.89)	882	0.198	0.294
	½ (12.7)	0.625 (15.88)	0.040 (1.02)	810	0.285	0.424
	5/8 (15.88)	0.750 (19.05)	0.042 (1.07)	701	0.362	0.539
	¾ (19.05)	0.875 (22.23)	0.045 (1.14)	640	0.455	0.673
	1 (25.4)	1.125 (28.58)	0.050 (1.27)	555	0.655	0.971
	1-1/4 (31.75)	1.375 (34.93)	0.055 (1.4)	498	0.884	1.314
	1-1/2 (38.1)	1.625 (41.28)	0.060 (1.52)	455	1.140	1.692
	2 (50.8)	2.125 (53.98)	0.070 (1.78)	398	1.750	2.602
	2-1/2 (63.5)	2.625 (66.68)	0.080 (2.03)	370	2.480	3.675
M	3/8 (9.53)	0.500 (12.7)	0.025 (0.64)	626	0.145	0.216
	½ (12.7)	0.625 (15.88)	0.028 (0.71)	555	0.204	0.302
	¾ (19.05)	0.875 (22.23)	0.032 (0.81)	441	0.328	0.486
	1 (25.4)	1.125 (28.58)	0.035 (0.89)	384	0.465	0.69
	1-1/4 (31.75)	1.375 (34.93)	0.042 (1.07)	370	0.682	1.014
	1-1/2 (38.1)	1.625 (41.28)	0.049 (1.24)	370	0.940	1.390
	2 (50.8)	2.125 (53.98)	0.058 (1.47)	327	1.460	2.161
	2-1/2 (63.5)	2.625 (66.68)	0.065 (1.65)	299	2.030	3.004
	3 (76.2)	3.125 (79.38)	0.072 (1.83)	284	2.680	3.974
	3-1/2 (88.9)	3.625 (92.08)	0.083 (2.11)	279	3.580	5.315
DWV	1-1/4 (31.75)	1.375 (34.93)	0.040 (1.02)	-	0.650	0.968
	1-1/2 (38.1)	1.625 (41.28)	0.042 (1.07)	-	0.809	1.205
	2 (50.8)	2.125 (53.98)	0.042 (1.07)	-	1.070	1.585
	3 (76.2)	3.125 (79.38)	0.045 (1.14)	-	1.990	2.497

Specification

Phosphorus Deoxidised
Copper tubes alloy 122
K, L, M according to ASTM
B-88
Temper: Hard in straight
lengths
Up to 20 Ft
Soft in pancake coils up to
100Ft
DWV according to B-306
Temper: Hard in straight
lengths
Up to 20 Ft

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Sizes and Data for Annealed Pancake Copper Coils – 50 Feet/15 m Length (ASTM B-280)

Thickness - 0.51mm – 0.91mm

Outside Diameter		25 SWG	24 SWG	23 SWG	22 SWG	21 SWG	20 SWG
	3/16"						
	1/4"						
	5/16"						
	3/8"						
	1/2"						
	5/8"						
	3/4"						

Sizes and Data for Hard Drawn Straight Copper Pipes – 20 Feet/5.8 m Length (ASTM B-280)

Thickness - 0.61mm – 1.63mm

Outside Diameter		22 SWG	21 SWG	20 SWG	19 SWG	18 SWG	17 SWG
	1/4"						
	3/8"						
	1/2"						
	5/8"						
	3/4"						
	7/8"						
	1"						
	1-1/8"						
	1-3/8"						
	1-5/8"						
	2-1/8"						
	2-5/8"						

Copper Tube EN-1057

Izumi Copper Tube – Class X						
Nominal Diameter (mm)	Nominal Thickness (mm)	Maximum Working Pressures (Kpa)			Mass/Length (Kg/5.8m)	
		Annealed	Half Hard	Hard		
15	0.7	4500	5800	7100	1.63	
22	0.9	3900	5100	6200	3.08	
28	0.9	3100	4000	4800	3.96	
35	1.2	3300	4200	5100	6.59	
42	1.2	2700	3500	4300	7.95	
54	1.2	2100	2700	3300	10.29	
66.7	1.2	1700	2000	2700	12.76	
76.1	1.5	1800	2400	2900	18.17	
108	1.5	1300	1700	2000	25.94	

Izumi Copper Tube – Class Y						
Nominal Diameter (mm)	Nominal Thickness (mm)	Maximum Working Pressures (Kpa)			Mass/Length (Kg/5.8m)	
		Annealed	Half Hard	Hard		
15	1.0	6700	8700	10400	2.27	
22	1.2	5300	6900	8400	4.05	
28	1.2	4200	5500	6500	5.22	
35	1.5	4100	5400	6500	8.16	
42	1.5	3400	4500	5400	9.87	
54	2.0	3600	4700	5600	16.88	
66.7	2.0	2800	3700	4500	21.01	
76.1	2.0	2500	3300	3900	24.07	
108	2.5	2200	2900	3400	42.83	

*Excellent Choice for your
Sophisticated Building*

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