

2 PLUMBING TUBE

for Plumbing, Gasfitting & drainage applications

SAMPO manufactures various range of seamless copper tube in soft and hard drawn straight lengths intended for use in general plumbing and similar applications in fluid conveyance.

Specification

ASTM B88 AS/NZS 1432 EN 1057	Copper Alloy No.	C12200 CuDHP
	Chemical Requirement	Cu+Ag min. 99.9% P 0.015-0.040%
	Tolerances	As required by the standard
	Origins	Made in Korea
	H.S.CODE	7411.10.0000

Brand



Typical uses includes

- Type K** underground residential, commercial and industrial uses.
- Type L** residential and commercial uses.
- Type M** above ground residential and light commercial uses.

Mechanical Properties

- Tensile strength : 250 Mpa/min
- Hardness : 100 VPN
- Temper : Hard Drawn (H58, R290)
- Packing : Straight tube in bundles and wrapped with plastic bag



In the American plumbing industry, the size of copper tubing is designated by its nominal diameter, which is 1/8th inch less than the outside diameter. (This nominal diameter does not match any other physical dimension on the pipe ; it may be larger or smaller than the inside diameter depending on the size of pipe)

	HARD LENGTHS				
	Nominal	Actual size		TYPE K	
	OD	OD		WT	
	Inch	Inch	mm	Inch	mm
	1/4"	3/8"	9.52	0.035	0.89
	3/8"	1/2"	12.7	0.049	1.24
Straight type	1/2"	5/8"	15.88	0.049	1.24
	5/8"	3/4"	19.05	0.049	1.24
	3/4"	7/8"	22.22	0.065	1.65
	1"	1-1/8"	28.58	0.065	1.65
	1-1/4"	1-3/8"	34.93	0.065	1.65
	1-1/2"	1-5/8"	41.28	0.072	1.83
	2"	2-1/8"	53.98	0.083	2.11
	2-1/2"	2-5/8"	66.68	0.095	2.41
	3"	3-1/8"	79.38	0.109	2.77
	3-1/2"	3-5/8"	92.08	0.120	3.05
	4"	4-1/8"	104.78	0.134	3.40
	5"	5-1/8"	130.18	0.160	4.06
	6"	6-1/8"	155.58	0.192	4.88

※Other sizes are available upon request

Type K has the thickest wall section of the three types of pressure rated tubing and is commonly used for deep underground burial such as under sidewalks and streets, with a suitable corrosion protection coating or continuous polyethylene sleeve as required by code. It usually has green colored printing.

Type L has a thinner pipe wall section, and is used in residential and commercial water supply and pressure applications. It usually has blue colored printing.

	HARD LENGTHS				
	TYPE L		TYPE M		Length
	WT		WT		FT
	Inch	mm	Inch	mm	
	0.030	0.76	–	–	12ft, 20ft +
	0.035	0.89	0.025	0.64	12ft, 20ft +
	0.040	1.02	0.028	0.71	12ft, 20ft +
	0.042	1.07	–	–	12ft, 20ft +
	0.045	1.14	0.032	0.81	12ft, 20ft +
	0.050	1.27	0.035	0.89	12ft, 20ft +
	0.055	1.40	0.042	1.07	12ft, 20ft +
	0.060	1.52	0.049	1.24	12ft, 20ft +
	0.070	1.78	0.058	1.47	12ft, 20ft +
	0.080	2.03	0.065	1.65	12ft, 20ft +
	0.090	2.29	0.072	1.83	12ft, 20ft +
	0.100	2.54	0.083	2.11	12ft, 20ft +
	0.110	2.79	0.095	2.41	12ft, 20ft +
	0.125	3.18	0.109	2.77	12ft, 20ft +
	0.140	3.56	0.122	3.01	12ft, 20ft +

Type M has an even thinner pipe wall section, and is used in residential and commercial water supply and pressure applications. It usually has red colored printing.

Type K and L are generally available in both hard drawn “sticks” and in rolls of soft annealed tubing, whereas type M is usually only available in hard drawn “sticks”.