

# MELCO

## Plain Copper Tubes



- ✓ MELCO copper tubes are specially designed to be used in domestic water supply and heating systems, as well as for the transport of town gas.
- ✓ MELCO copper tubes are made of phosphorus-deoxidised copper with a copper purity of at least 99.9%.
- ✓ MELCO copper tubes are manufactured in accordance to BS EN 1057.

### Range and Technical Data – BS EN 1057

Nominal Outside Diameters and Thickness		Tolerances on Outside Diameter				Tolerances on Wall Thickness		Mechanical Properties	
Nominal Outside Diameters (mm)	Nominal Wall Thickness (mm)	Mean Outside Diameter Tolerance (1) (mm)		Any Diameter Tolerance (2) (mm)		Wall Thickness Tolerance (3) (mm)		Tensile Strength (Mpa)	Elongation (%)
		Max	Min	Max	Min	Max	Min	Min	Min
15*	0.7	15.04	14.96	15.09	14.91	0.77	0.63	250	30
15*	1.0	15.04	14.96	15.09	14.91	1.13	0.87	250	20
22*	0.9	22.05	21.95	22.10	21.90	0.99	0.81	250	30
22*	1.2	22.05	21.95	22.10	21.90	1.38	1.02	250	20
28*	0.9	28.05	27.95	28.10	27.90	0.99	0.81	250	30
28*	1.2	28.05	27.95	28.10	27.90	1.38	1.02	250	20
35	1.2	35.06	34.94	35.11	34.89	1.32	1.08	290	3
35	1.5	35.06	34.94	35.11	34.89	1.72	1.27	290	3
42	1.2	42.06	41.94	42.11	41.89	1.32	1.08	290	3
42	1.5	42.06	41.94	42.11	41.89	1.72	1.27	290	3
54	1.2	54.06	53.94	54.11	53.86	1.32	1.08	290	3
54	2.0	54.06	53.94	54.11	53.86	2.30	1.80	290	3
66.7	1.2	66.77	66.63	66.85	66.55	1.38	1.02	290	3
66.7	2.0	66.77	66.63	66.85	66.55	2.30	1.70	290	3
76.1	1.5	76.17	76.03	76.25	75.95	1.72	1.27	290	3
76.1	2.0	76.17	76.03	76.25	75.95	2.30	1.70	290	3
108	1.5	108.07	107.93	108.20	107.80	1.72	1.27	290	3
108	2.5	108.07	107.93	108.20	107.80	2.87	2.12	290	3
159	2.0	159.20	158.80	158.70	157.30	2.30	1.70	290	3

\* Half hard

(1) Mean diameter is the arithmetical mean of any two diameters normal to each other at the same cross section.

(2) Including deviation from circular form, i.e. the difference between the max. and min. outside diameters measured at any cross section of the tube.

(3) Including deviation from concentricity, i.e. half the difference between the max. and min. wall thicknesses at the same cross section of the tube.

#### Packaging

> Marking : MELCO® BS EN 1057 diameter x thickness - temper I-I-I for R250

> Supplied in straight length of 2.9m and 5.8m.