

Nominal Outside Diameter - d - (mm)	Nominal Wall Thickness - e - (mm)									
	0.5	0.7	0.8	0.9	1.0	1.1	1.2	1.5	2.0	2.5
219										



Recommended

- 1 inch = 25.4 mm

Example - Designation of EN 13348 Copper Tube

- Copper tube EN 13348 R290 15×1.0

where R290 is material temper.

Material Temper

Material Temper		Tensile Strength	Elongation min.	Vickers Hardness
Designation	Commonly used term	(MPa)	(%)	HV5
R250	half hard	250	30, 20	75 – 100
R290	hard	290	3	over 100

EN 1173 - Letter symbols for Property Designations

- A Elongation
- B Spring bending limit
- G Grain size
- H Hardness (Brinell for castings, Vickers for wrought products)
- M (as) Manufactured, i.e. without specified mechanical properties
- R Tensile strength (like R250 - 250 MPa)
- Y 0.2% proof strength

Typical Available Dimensions

Plain Straight Tubes

Nominal Outside Diameter (mm)	Tube Length (m)	Wall Thickness (mm)
12	6	0.6

Nominal Outside Diameter (mm)	Tube Length (m)	Wall Thickness (mm)
15	3, 6	0.7
22	3, 6	0.9
28	3, 6	0.9
35	6	1.0
42	6	1.0
54	6	1.0
67	6	1.5
76	6	1.5
108	6	1.5
133	6	1.5
159	6	2.0
219	6	3.0