



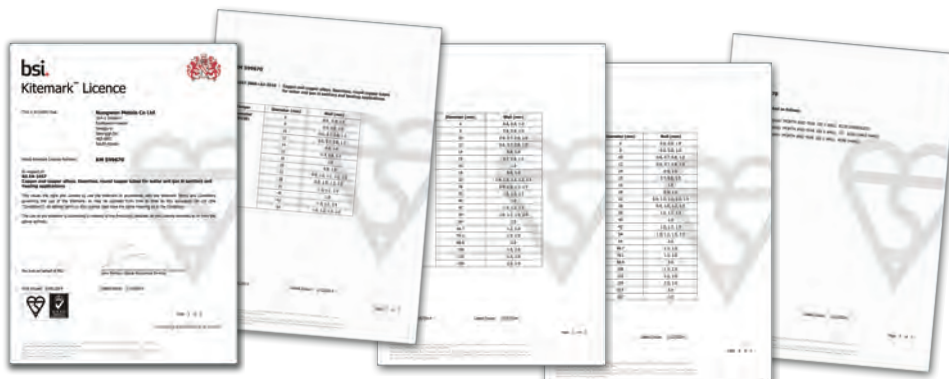
Seamless, Round Copper Tubes for Water & Gas in Sanitary and Heating Applications EN 1057

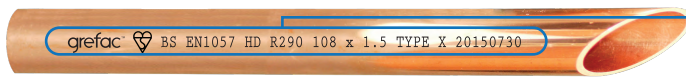
EN 1057 (formerly BS 2871) specifies the requirements, sampling, test methods and conditions of delivery for seamless round copper tubes.

It is applicable to tubes having an outside diameter from 6mm up to and including 267mm for :

- Distributing networks for hot water and cold water
- Hot water heating systems, including panel heating systems (under-floor, wall, overhead)
- Domestic gas and liquid fuel distribution
- Waste water sanitation

It also applies to seamless round copper tubes intended to be pre-insulated before use for any of the above purposes.





Ink Marking & Incising



GREFAC Is the brand name



BS EN1057 KiteMark BS EN1057 Standard



HD R290 Indicate : HD for Hard Drawn Temper (R290)
HH for Half Hard (R250a)
A for Annealed (R220)



108 x 1.5 Indicate the Nominal Diameter x Wall Thickness



20150730 Indicate manufacturing YYMMDD

Size (mm)	Nominal Outside Diameter (mm)	Nominal Wall Thickness (mm)			Hard Maximum Working Pressure * Bar		
		Type Y	Type X	Type Z	Type Y	Type X	Type Z
6	6	0.8	0.6	0.5	223	161	113
8	8	0.8	0.6	0.5	161	118	98
10	10	0.8	0.6	0.5	126	93	78
12	12	0.8	0.6	0.5	104	76	64
15	15	1.0	0.7	0.5	104	71	50
18	18	1.0	0.8	0.6	85	67	50
22	22	1.2	0.9	0.6	84	62	41
28	28	1.2	0.9	0.6	65	48	32
35	35	1.5	1.2	0.7	65	51	30
42	42	1.5	1.2	0.8	54	43	28
54	54	2.0	1.2	0.9	56	33	25
66.7	66.7	2.0	1.2	1.0	45	27	20
76.1	76.1	2.0	1.5	1.2	39	29	19
108	108	2.5	1.5	1.2	34	20	17
133	133	-	1.5	1.5	-	17	16
159	159	-	2.0	1.5	-	18	15

For more details for half hard and annealed maximum working pressure, please consult our sales office.

* Based on material in hard drawn condition at 65°C

* 1 Bar = 0.1N/mm² = 10⁵ Nm²

Mechanical Properties

Material Condition		Nominal Outside Diameter		Tensile Strength	Elongation	Hardness (Indicative)
Designation in Accordance with EN 1173	Common Term	<i>d</i> mm		<i>R_m</i> MPa	<i>A</i> %	HV5
		Min	Max	Min	Min	
R220	Annealed	6	54	220	40	(40 to 70)
R250 ^a	Half Hard ^a	6	65.7	250	30 ^a	(75 to 100)
		6	159		20 ^a	
R290	Hard	6	267	290	3	(min 100)

Authorised Dealer :

PRODUCT OF :

grefac (M) SDN. BHD. (791843-H)



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