

BTK Dual Certified Tubes

EN10255 & 10217-1



Universal Steel Mill based in UAE is a major producer of steel tubes across the world. As a major supplier to the world market Universal strives to ensure the products it produces meet the stringent standards of today's markets. To that end they have produced a dual certified tube that can be supplied into the HVAC, Mechanical and Fire Protection industries within the UK.

BTK Tubes are available from an extensive stock range

In standard full lengths or half randoms
Threaded, plain ended or grooved
Medium or heavy weight
Red, galvanised and self colour



Specifications & Uses

Technical Specifications

Leak Tightness Test

- On line NDT machines
- Hydro static pressure testing to 50 bar

Chemical Testing

- Complete Chemical laboratory at the mill
- Elco Meters
- Hydrometers

Galvanising

- Hot dipped galvanising/zinc coating to EN10240 quality A.1
- Quality checked hourly with Elco meters to ensure a 55-70 micron thickness across the tube length

Material

- Fully killed steel
- Tensile tested
- The internal weld seam shall have a height not exceeding 60% of the wall thickness



Chemical Composition (Cast Analysis) & Mechanical Properties

STEEL GRADE		CHEMICAL COMPOSITION %				MECHANICAL PROPERTIES		
STEEL NAME	STEEL No	C MAX	Mn MAX	P MAX	S MAX	UPPER YIELD STRENGTH ReH min (MPa)	TENSILE STRENGTH Rm (MPa)	ELONGATION A MIN %
S195T	1.0026	0,20	1,20	0,045	0,045	195	320 to 460	20

Dimensions & Mass Per Unit Length

NOMINAL BORE NB		OUTSIDE DIAMETER OD		MEDIUM WEIGHT			HEAVY WEIGHT		
				WALL THICKNESS T	WEIGHT PER METRE		WALL THICKNESS T	WEIGHT PER METRE	
mm	inch	MAX mm	MIN mm	mm	PLAIN END GROOVED TUBE kg/m	SCREWED AND SOCKETED kg/m	mm	PLAIN END GROOVED TUBE kg/m	SCREWED AND SOCKETED kg/m
15	1/2	21.8	21.0	2.6	1.21	1.22	3.2	1.44	1.45
20	3/4	27.3	26.5	2.6	1.56	1.57	3.2	1.87	1.88
25	1	34.2	33.3	3.2	2.41	2.43	4.0	2.93	2.95
32	1 1/4	42.9	42.0	3.2	3.10	3.13	4.0	3.79	3.82
40	1 1/2	48.8	47.9	3.2	3.56	3.60	4.0	4.37	4.41
50	2	60.8	59.7	3.6	5.03	5.10	4.5	6.19	6.26
65	2 1/2	76.6	75.3	3.6	6.42	6.54	4.5	7.93	8.05
80	3	89.5	88.0	4.0	8.36	8.53	5.0	10.3	10.5
100	4	115.0	113.1	4.5	12.2	12.5	5.4	14.5	14.8
125	5	140.8	138.5	5.0	16.6	17.1	5.4	17.9	18.4
150	6	166.5	163.9	5.0	19.8	20.4	5.4	21.3	21.9

Certification

All tubes can be supplied with MTC (mill test certificate), certifying that the tubes comply to the relevant standard.