Tubes for Scaffolds

BS EN 39 : 2001

Loose steel tubes for scaffolds

MATERIAL OF GRADE	(%) CHEMICAL COMPOSITION (Max)					MECHANICAL PROPERTIES (Min)			COLOR CODE
	C Max	Si Max	Mn Max	P Max	S Max	Yield Strength MPa (min)	Tensile Strength MPa (min)	Elongation %	Material of Grade
S235GT	0.200	0.050	1.400	0.040	0.045	235	340-520	24	1.0106

NOMINAL SIZE		THICKNESS MM			OUTSIDE DIAMETER MM			WEIGHT (PLAIN END) KG/M	CROSS SECTIONAL AREA	GEOMETRICAL MOMENT OF INERTIA	MODULUS OF SECTION	RADIUS OF GYRATION
in	mm	Std.	Min	Max	Std.	Min	Max	STD	cm^2	cm^4	cm^3	cm
1-1/2"	48.3	3.20	2.88	3.52	48.30	47.80	48.80	3.560	4.640	11.590	4.80	1.580
		4.00	3.60	4.40	48.30	47.80	48.80	4.370	5.680	13.773	5.70	1.557

Dimension Tolerances

Outside Diameter	± 0.5 mm.
Thickness	± 10%
Weight	-7.5%

