Technical Specification References
(Excerpts from BS 1139 specification)

BS 31 1139: Section 1.1: 1990

Classification	Chemical Composition				Mechanical Properties			
	C max. %	Si max. %	P max. %	S max. %	Tensile Strength N/mm²	Yield Strength N/mm²	Elongation	
British Standard Steel Tubes For Scaffolding	0.2	0.3	0.05	0.05	340 to 480	235 min.	Gauge Length Lo=5.65 $\sqrt{So}$ (%)	24 min.

Outside Diameter	Wall Thickness	Calculated Weight	Cross-Sectional Area	Second Moment of Inertia	Section of Modulus of Area	Radius of Gyration	Plastic Modulus
mm	mm	kg/m	cm^2	cm^4	cm^3	cm	cm^3
48.3	4.0	4.37	5.57	13.8	5.70	1.57	7.87

Tolerance: Thickness ± 10%
Outside Dimension ± 0.5mm