

Chemical Composition

	Max
Carbon	0.20
Silicon	0.30
Manganese	-
Phosphorus	0.05
Sulphur	0.05

Mechanical Properties

	Min
Tensile	340 - 480 MPa
Yield	235 MPa
Elongation	24%

BS 1139 : STEEL TUBES FOR SCAFFOLDING

Outside Diameter			Inside Diameter	Wall Thickness			Unit Mass
std	min	max	mm	std	min	max	kg/m
48.3	47.8	48.8	40.3	4.0	3.6	Not limit	4.37

TOLERANCE

OD	48.3 mm : ± 0.5 mm
ID	40.3 mm : - 2.6 mm
WT	- 10%, + not limit
Weight	Single tube: - 8%, +12% Batch: $\pm 7.5\%$