

Welded Carbon Steel Pipes for Scaffolding as per BS : 1139

Size		Thickness		Ovality		Weight	
Inches	mm	Inches	mm	Inches	mm	Lbs/foot	Kg/m
1½"	48.3	0.126	3.2	0.02	0.5	2.392	3.56
1½"	48.3	0.157	4.0	0.02	0.5	2.937	4.37

Tolerance

Outside Diameter	Thickness	Weight
+/- 0.5mm	+/- 10%	+/- 7.5% on Single tube

Steel Grade -S235GT

Mechanical Properties

Yield strength - 235 MPA Min
Tensile strength - 340/520 MPA
Elongation - 24% Min.

Chemical Composition

Carbon - 0.20% max.
Silicon - 0.05% max.
Manganese - 0.40% max.
Phosphorous - 0.040% max.
Sulphur - 0.045% max.
Aluminium - 0.02% max.

End finish - Square Cut

Straightness - 1mm in 500mm

Flattening test - Two stages
1. Flatten upto 75% of tube diameter for welding.
2. Flatten upto 60% of tube diameter for material.

Zinc coating - 40 microns minimum outside

Delivery condition -As Rolled condition (without protection) & Hot Dipped Galvanized

