

EN 39 : 2001 METAL SCAFFOLDING

SPECIFICATION FOR TUBES FOR USE IN SCAFFOLDING

TUBE TYPE	Nominal Size (DN) in. (mm.)	Outside Diameter			Thickness			Weight Plain End
		max.	STD.	min.	max.	STD.	min.	STD.
		mm.	mm.	mm.	mm.	mm.	mm.	kg./m
3	1-1/2 (40)	48.8	48.3	47.8	3.70	3.2	2.70	3.56
4	1-1/2 (40)	48.8	48.3	47.8	4.50	4.0	3.50	4.37

TECHNICAL SPECIFICATIONS :

Chemical Composition						Mechanical		
C	Si	Mn	P	S	AL	Yield	Tensile	Elongation
max. %	max. %	max. %	max. %	max. %	min. %	Strength (min.) mp _a ¹		(min.) %
0.20	0.05	1.40	0.04	0.045	0.020	235	340-520	24

Dimension Tolerances
Permissible Varsity

Outside Diameter	± 0.5 mm.
Wall Thickness	± 0.5 mm.
Length	+ 40 mm./-0 mm.
Weight	± 7.5% Quantiti of 150 M. and over ±5%

BS 1139-1990 METAL SCAFFOLDING

SPECIFICATION FOR TUBES FOR USE IN SCAFFOLDING

Nominal Size (DN) in. (mm.)	Outside Diameter			Thickness			Weight Plain End
	max.	STD.	min.	max.	STD.	min.	STD.
	mm.	mm.	mm.	mm.	mm.	mm.	kg./m
1-1/2 (40)	48.8	48.3	47.8	4.80	4.0	3.60	4.37

TECHNICAL SPECIFICATIONS :

Chemical Composition				Mechanical				
C	Si	P	S	Tensile		Yield		Elongation
max. %	max. %	max. %	max. %	Strength (min.)		Strength (min.)		(min.) %
				N/mm. ²	Kgf/mm. ²	N/mm. ²	Kgf/mm. ²	
0.20	0.30	0.060	0.060	340-460	34.7-46.9	210	21.4	22

Dimension Tolerances
Permissible Variation

Side Length	± 0.5 mm.
Wall Thickness	+ 0.8 mm., - 4.0 mm.
Length	± 6.0 mm. / - 0 mm.
Weight	± 7.5% Quantiti of 150 M. and over ±5%