



SPECIFICATION FOR STANDARD SIZES

BSEN39:2001 FOR BLACK AND HOT DIPPED GALVANIZED SCAFFOLD TUBES.

TUBE TYPE	SIZE		OD(Minimum)		OD(Maximum)		Wall Thickness		Weight of Tube		Pieces per Bundle
	INCH	NB(mm)	INCH	MM	INCH	MM	INCH	MM	lb/Ft	Kg./Mtr	
3	1 1/2"	40	1.882	47.8	1.921	48.8	0.126	3.2	2.392	3.56	61
4	1 1/2"	40	1.882	47.8	1.921	48.8	0.157	4	2.936	4.37	50

1) TOLERANCE

- a) :On Specified OD ± 0.5 mm (Ovality 0.4 mm)
The inside diameter of tube shall allow insertion of a gauges of 37.70 mm dia for a minimum length of 200 mm.
- b) On wall Thickness - 10%
- c) Straightness- 1 in 500 (In 1 meter it should not exceed 3 mm)
- d) The mass deviation on a single tube shall not exceed-7.5% of the specified mass

2) END

: Cut cleanly and nominally square with the axis of the tube and free from excessive burrs.

3) PROPERTIES

- a) Chemical: : % Max.C - 0.20%, Si - 0.05%, Mn - 1.40%, P - 0.040%, S- 0.045%, Al-0.02% Min.
- b) Mechanical: UTS - 340-520 N/mm², YS - 235 N/mm² (Min.) & Elongation - 24%min.

4) FLATTENING TEST

- a) For Weld-Flatten up to 75% of Original Tube
- b) For Material-Flatten Up to 60 of original tube

**5) Zink Coating
(Galvanizing)**

Minimum Local Coating Thickness on the outside surface 40 microns.



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6. MARKING

- a) : We can emboss mill sign " EN39 UTP 3 or 4" online at every one meter interval over the length of pipe.
- b) : We can do online stenciling as per customer need.

7. PACKING

: Hexagonal Type

8. MILL TEST CERTIFICATE

: We can issue a MTC, Certifying that the tube supplied comply with this standard.

