

EN 39 2001

TUBE TYPE	SIZE		Outside Dia. of Black / Galvanized Tube				Wall thickness		Weight of Black / Galvanized Tube		Pieces
	NB (mm)	Inches	Minimum		Maximum		mm	Inches	Plain Ends		per bundle
			mm	Inches	mm	Inches			Kg./Ft.	Kg./Mtr.	
3	40	1 1/2	47.8	1.882	48.8	1.921	3.2	0.126	1.090	3.56	61
4	40	1 1/2	47.8	1.882	48.8	1.921	4.0	0.157	1.332	4.37	50

1. TOLERANCE

- :a) On Specified OD $\pm 0.5\text{mm}$ (Ovality 0.5mm)
- :b) The Inside Diameter of tubes shall allow insertion of a gauge of 37.7mm dia for a minimum length of 200mm.
- :c) On Wall thickness -10%
- :d) The mass deviation on a single tube shall not exceed -7.5% of the specified mass.

2. ENDS

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

3. PROPERTIES

- :a) Chemical (Maximum) C - 0.20%, SI - 0.05%, MN - 1.40%, P - 0.04%, S - 0.045%, AL - Min. 0.02%.
- :b) Mechanical = UTS - 340 to 520 N/mm², YS - 235 N/mm² (minimum) & %Elongation on 5.65 S₀ - 24% (minimum).

4. FLATTENING TEST WELD AT 90 DEGREES (COLD)

- a) For weld : Distance between the platens, measured under load is not greater than 75% of the OD of tube.
- b) For Material :Distance Between the platens, measured under load is not greater than 60% of the OD of tube.

5. STRAIGHTNESS

- : 1 in 500 (In 1 meter it should not exceed 3mm).

6. ZINC COATING (GALVANIZING)

- : Minimum local coating thickness on the outside surface 40 microns.

7. MARKING

- a) We can emboss mill sign "EN 39 UTP 3 or 4." online at every one meter interval over the length of pipe.
- b) We can do online stencilling as per customer needs.

8. PACKING

- : Hexagonal type.

9. MILL TEST CERTIFICATE

- :We can issue a MTC, certifying that the tubes supplied comply with this Standard.