



**LARGE DIAMETER PIPES TO SPECIFICATIONS IS : 3589:2001**

Tubes For Water, Gas, And Sewage Extracts From IS:3589:2001						
Specification	Chemical requirements Ladle Analysis (%)				Physical Properties requirement (Minimum Values)	
	Steel Grade	C (max)	P (max)	S (max)	Tensile Strength MPa (min)	% Elongation 5.65 √S <sub>0</sub> (min)
IS:3589	Fe 330	0.17	0.055	0.055	330	20

Specification	TEST		Permissible Variations		
	Hydrostatic Test MPa	Flattening Test	Outside Diameter	Thickness	Straightness
IS:3589	5	No opening shall occur by fracture in the weld until the distance between the plates <75% of OD. For further details see Spec.	(±) 0.75%	(±) 10%	Deviation less than 2% of the total length.

**Dimensions and Nominal mass of Steel Tubes - Preferred Sizes.**

Nominal Bore (mm)	Outside Diameter (mm)	Thickness (mm)	Mass of Tube (Kg/Mtr.)*	Mass of Tube (Metre/Ton)*
200	219.1	4.35	23.04	43.40
200	219.1	5.00	26.40	37.88
200	219.1	6.35	33.32	30.01
250	273.1	5.00	33.06	30.25
250	273.1	6.35	41.77	23.94
300	323.9	5.00	39.32	25.43
300	323.9	6.35	49.72	20.11

**FOR MORE DETAILS PLEASE CONTACT US AT :-**

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