دکترتامین
افزایش بهره‌وری در ساخت و ساز

Technical Data of Pipes Conforming To DIN: 2440

Normal Size	Outside Diameter		Wall Thickness	Mass of Tube		Pipe Thread		Sockets	
				Plain End	Socketed	Thread Diameter	No. of Thread In 25.4mm	Min. Outside Diameter	Min. Length
DN	Min.(mm)	Max.(mm)	mm	Kg/m	Kg/m			mm	mm
15	21.0	21.8	2.65	1.22	1.23	20.955	14	26.4	34
20	26.5	27.3	2.65	1.58	1.59	26.441	14	31.8	36
25	33.3	34.2	3.25	2.44	2.46	33.249	11	39.5	43
32	42.0	42.9	3.25	3.14	3.17	41.910	11	48.3	48
40	47.9	48.8	3.25	3.61	3.65	47.803	11	54.5	48
50	59.7	60.8	3.65	5.10	5.17	59.614	11	66.3	56
65	75.3	76.6	3.65	6.51	6.63	75.184	11	82.0	65
80	88.0	89.5	4.05	8.47	8.64	87.884	11	95.0	71
100	113.1	115.0	4.50	12.10	12.40	113.030	11	122.0	83
125	138.5	140.8	4.85	16.20	16.70	138.430	11	147.0	92
150	163.9	166.5	4.85	19.20	19.80	163.830	11	175.0	92

Technical Data of Pipes Conforming To DIN: 2441

Normal Size	Outside Diameter		Wall Thickness	Mass of Tube		Pipe Thread		Sockets	
				Plain End	Socketed	Thread Diameter	No. of Thread In 25.4mm	Min. Outside Diameter	Min. Length
DN	Min.(mm)	Max.(mm)	mm	Kg/m	Kg/m			mm	mm
15	21.0	21.8	3.25	1.45	1.46	20.955	14	26.4	34
20	26.5	27.3	3.25	1.90	1.91	26.441	14	31.8	36
25	33.3	34.2	4.05	2.97	2.99	32.249	11	39.5	43
32	42.0	42.9	4.05	3.84	3.87	41.910	11	48.3	48
40	47.9	48.8	4.05	4.43	4.47	47.803	11	54.5	48
50	59.7	60.8	4.50	6.17	6.24	59.614	11	66.3	56
65	75.3	76.6	4.50	7.90	8.02	75.184	11	82.0	65
80	88.0	89.5	4.85	10.10	10.30	87.884	11	95.0	71
100	113.1	115.0	5.40	14.40	14.70	113.030	11	122.0	83
125	138.5	140.8	5.40	17.80	18.30	138.430	11	147.0	92
150	163.9	166.5	5.40	21.20	21.80	163.830	11	174.0	92

Tolerances		
Outside Diameter :	As Per Above Table	
Wall Thickness :	-12.5%	
Weight :	Single Tube	For Lot of 10 Tons
	±10%	±7.5%

Testing				
Leak Tightness Test	100% Hydrostatic At 50 Bar or Online Eddy Current Testing			
Bend Test	**For Tubes Upto & Including DN 25**		**For Tubes Above DN 25 & Upto DN 50**	
	Bending Angle	90°	Bending Angle	90°
	Bending Radius	3 Times To The OD of Tube	Bending Radius	3.5 Times To The OD of Tube
	Weld Position	12 O' Clock & 3 O' Clock	Weld Position	12 O' Clock & 3 O' Clock
Flattening Test	For Tubes DN 65 & Above			
	Flatten Up To 2/3 of Tube Dia Without Crack In Weld: Weld Position 12 O' Clock & 3 O'clock			
Galvanizing	Zinc Coating = 400 gm/sq m (minimum), Zinc Layer Thickness = 56 Microns			

Mechanical Properties			
Yield Strength	185 N/sq. mm (minimum)		
Tensile Strength	310 To 540 N/sq.mm For Wall Thickness < 3 mm		
	290 To 510 N/sq.mm For Wall Thickness ≥ 3 mm		
% Elongation	Thickness	≥ 2 & < 3 mm	≥ 3 & ≤ 40 mm
	% Elongation	14	18
Raw Material	As Per St 33.2 Conforming To DIN 17100		