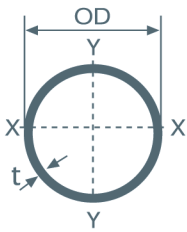


Nominal Mass and Properties



Specification:
IS : 9295

Tata Pipes (Idler Tubes)

YST 310 Grade

Outside Diameter	Thickness	Weight	Area of Cross	Outer Surface Section	Moment of Inertia Area/m	Section Modulus	Radius of Gyration
mm	mm	kg/mtr	cm ²	cm ²	cm ⁴	cm ³	cm
63.5	3.65	5.39	6.87	19957	30.86	9.72	2.12
	4.50	6.55	8.34		36.52	11.50	2.09
76.1	3.65	6.52	8.31	23917	54.67	14.37	2.56
	4.50	7.95	10.13		65.15	17.12	2.54
88.9	4.05	8.48	10.80	27940	97.42	21.92	3.00
	4.85	10.06	12.81		113.51	25.54	2.98
101.6	6.30	12.84	16.35	31931	140.29	31.56	2.93
	4.05	9.75	12.42		147.95	29.12	3.45
108.0	4.85	11.58	14.75	33943	172.99	34.05	3.42
	6.30	14.81	18.87		215.15	42.35	3.38
108.0	4.05	10.39	13.23	33943	178.99	33.15	3.68
	4.85	12.34	15.72		209.58	38.81	3.65
114.3	6.30	15.81	20.14	35923	261.34	48.40	3.60
	4.50	12.19	15.53		234.41	41.02	3.89
114.3	5.40	14.51	18.48	35923	274.65	48.06	3.85
	6.30	16.79	21.38		312.84	54.74	3.82
120.0	4.50	12.82	16.34	37714	272.80	45.47	4.09
	5.40	15.27	19.45		320.00	53.33	4.06
120.0	6.30	17.67	22.51	37714	364.91	60.82	4.03
	4.50	13.60	17.33		325.45	51.25	4.33
127.0	4.85	14.62	18.62	39914	347.81	54.77	4.32
	5.40	16.20	20.64		382.19	60.19	4.30
127.0	6.30	18.76	23.90	39914	436.39	68.72	4.27
	4.50	13.60	17.33		325.42	51.25	4.33
133.0	4.85	14.62	18.62	39914	347.81	54.77	4.32
	5.40	16.20	20.64		382.16	60.19	4.30
133.0	6.30	19.69	25.09	39914	504.64	75.88	4.49
	4.50	15.01	19.12		437.38	62.62	4.78
139.7	4.85	16.14	20.55	43906	467.83	66.98	4.77
	5.40	17.89	22.79		514.70	73.69	4.75
139.7	6.30	20.73	26.41	43906	588.86	84.30	4.72
	4.50	16.42	20.92		572.47	75.13	5.23
152.4	4.85	17.66	22.49	47897	612.72	80.41	5.22
	5.40	19.58	24.95		674.79	88.55	5.20
152.4	6.30	22.71	28.93	47897	773.27	101.48	5.17
	4.50	17.15	21.85		652.53	82.08	5.46
159.0	4.85	18.45	23.50	49971	698.61	87.88	5.45
	5.40	20.46	26.07		769.73	96.82	5.43
159.0	6.30	23.73	30.23	49971	882.74	111.04	5.40
	4.50	17.83	22.71		732.87	88.78	5.68
165.1	4.85	19.17	24.43	51889	784.82	95.07	5.67
	5.40	21.28	27.10		865.05	104.79	5.65
165.1	6.30	24.68	31.44	51889	992.68	120.35	5.62
	4.50	18.19	23.17		777.53	92.40	5.79
168.3	4.85	19.56	24.91	52894	832.75	98.96	5.78
	5.40	21.70	27.65		918.05	107.10	5.76
168.3	6.30	25.18	32.08	52894	1053.84	125.23	5.73
	5.40	25.09	31.96		1417.54	146.36	6.66
193.7	6.30	29.13	37.11	60877	1630.70	168.37	6.63
	7.10	32.69	41.64		1814.91	187.39	6.60
219.1	5.40	28.47	36.27	68860	2071.66	189.11	7.56
	6.30	33.08	42.13		2387.10	217.90	7.53
219.1	7.10	37.14	47.31	68860	2660.65	242.87	7.50