

# Firefighting & HVAC Applications IS 3589

TECHNICAL DATA OF STEEL TUBES &  
PIPES CONFORMING TO IS 3589:2001

Nominal Bore		Outside Diameter		Wall Thickness		Weight of Black Pipes Plain End		
(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(Kg/m)	(Mtr/ton)	(ft/ton)
150	6	168.3	6.626	4.00	0.157	16.207	62	202
				4.50	0.177	18.177	55	181
				4.85	0.191	18.549	51	168
				5.00	0.197	20.135	50	163
				5.40	0.213	21.692	46	151
				5.50	0.217	22.081	45	149
				6.00	0.236	24.014	42	137
				6.35	0.250	25.360	39	129
				7.00	0.276	27.844	36	118
200	8	219.1	8.626	4.00	0.157	21.217	47	155
				4.50	0.177	23.814	42	138
				4.85	0.191	25.625	39	128
				5.00	0.197	26.399	38	124
				5.40	0.213	28.457	35	115
				5.50	0.217	28.971	35	113
				6.00	0.236	31.530	32	104
				6.35	0.250	33.315	30	98
				7.00	0.276	36.613	27	90
				7.50	0.295	39.135	26	84
				8.00	0.315	41.646	24	79
				9.00	0.354	46.630	21	70
				9.50	0.374	49.103	20	67
10.0	0.394	51.564	19	64				
10.5	0.413	54.013	19	61				
250	10	273.0	10.748	4.00	0.157	26.534	38	124
				4.50	0.177	29.795	34	110
				4.85	0.191	32.071	31	102
				5.00	0.197	33.044	30	99
				5.40	0.213	35.635	28	92
				5.50	0.217	36.281	28	90
				6.00	0.236	39.505	25	83
				6.35	0.250	41.755	24	79
				7.00	0.276	45.917	22	71
				7.50	0.295	49.104	20	67
				8.00	0.315	52.279	19	63
				9.00	0.354	58.592	17	56
				9.50	0.374	61.730	16	53
10.0	0.394	64.856	15	51				
10.5	0.413	67.969	15	48				
300	12	323.9	12.752	4.00	0.157	31.555	32	104
				4.50	0.177	35.444	28	93
				4.85	0.191	38.159	26	86
				5.00	0.197	39.320	25	83
				5.40	0.213	42.413	24	77
				5.50	0.217	43.185	23	76
				6.00	0.236	47.036	21	70
				6.35	0.250	49.725	20	66
				7.00	0.276	54.703	18	60
				7.50	0.295	58.518	17	56
				8.00	0.315	62.321	16	53
				9.00	0.354	69.889	14	47
				9.50	0.374	73.654	14	45
10.0	0.394	77.408	13	42				
10.5	0.413	81.149	12	40				

Nominal Bore		Outside Diameter		Wall Thickness		Weight of Black Pipes Plain End		
(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(Kg/m)	(Mtr/ton)	(ft/ton)
350	14	355.6	14.000	4.00	0.157	34.682	29	95
				4.50	0.177	38.962	26	84
				4.85	0.191	41.950	24	78
				5.00	0.197	43.229	23	76
				5.40	0.213	46.634	21	70
				5.50	0.217	47.484	21	69
				6.00	0.236	51.727	19	63
				6.35	0.250	54.689	18	60
				7.00	0.276	60.175	17	55
				7.50	0.295	64.381	16	51
				8.00	0.315	68.575	15	48
				9.00	0.354	76.924	13	43
				9.50	0.374	81.081	12	40
				10.0	0.394	85.225	12	38
10.50	0.413	89.357	11	37				
400	16	406.4	16.020	4.00	0.157	39.742	25	83
				4.50	0.177	44.654	22	73
				4.85	0.191	48.086	21	68
				5.00	0.197	49.554	20	66
				5.40	0.213	53.465	19	61
				5.50	0.217	54.442	18	60
				6.00	0.236	59.317	17	55
				6.35	0.250	62.723	16	52
				7.00	0.276	69.031	14	48
				7.50	0.295	73.869	14	44
				8.00	0.315	78.695	13	42
				9.00	0.354	88.310	11	37
				9.50	0.374	93.099	11	35
				10.0	0.394	97.876	10	34
10.5	0.413	102.640	10	32				

**Tolerances:**

**Outside Diameter** :  $\pm 0.75\%$

**Thickness** :  $\pm 10\%$

**Weight** : 10M T & Above  $\pm 7.5\%$

**Random Length** : 4 Mtrs. to 7 Mtrs./for specific length,  $\pm 100$  mm