

**Carbon Steel Pipe
(Black and Galvanized)
Water Transmission Pipe**

Pipe Standard : ASTM A53 Grade A - Sch 40

NOMINAL SIZE	OUTSIDE DIAMETER						WALL THICKNESS		LENGTH		WEIGHT			BUNDLING
	inch	mm	inch	mm	inch	mm	inch	mm	meter	ft	kg/m	kg/ft	lb/ft	
1	1.315	33.4	1.331	33.7	1.299	33.1	0.133	3.38	6	20	2.50	0.76	1.68	91
1 ¼	1.660	42.2	1.676	42.5	1.644	41.9	0.140	3.56	6	20	3.39	1.03	2.28	44
1 ½	1.900	48.3	1.916	48.7	1.884	47.9	0.145	3.68	6	20	4.05	1.23	2.72	44
2	2.375	60.3	2.399	60.8	2.351	59.8	0.154	3.91	6	20	5.44	1.66	3.66	44
2 ½	2.875	73.0	2.904	73.6	2.846	72.4	0.203	5.16	6	20	8.63	2.63	5.80	19
3	3.500	88.9	3.535	89.6	3.465	88.2	0.216	5.49	6	20	11.29	3.44	7.59	19
3 ½	4.000	101.6	4.040	102.4	3.960	100.8	0.226	5.74	6	20	13.57	4.14	9.12	19
4	4.500	114.3	4.545	115.1	4.455	113.5	0.237	6.02	6	20	16.07	4.90	10.80	10
5	5.563	141.3	5.619	142.3	5.507	140.3	0.258	6.55	6	20	21.77	6.64	14.63	10
6	6.625	168.3	6.691	169.9	6.559	166.6	0.280	7.11	6	20	28.26	8.61	18.99	10
8	8.625	219.1	8.711	220.9	8.539	217.3	0.322	8.18	6	20	42.55	12.97	28.59	5



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Carbon Steel Pipe**(Black and Galvanized)**

Water Transmission Pipe / Structural Pipe

Pipe Standard : **JIS G 3452**

NOMINAL SIZE		OUTSIDE DIAMETER				WALL THICKNESS		LENGTH		WEIGHT			BUNDLING
		maximum		minimum						kg/m	kg/ft	lb/ft	
inch	mm	inch	mm	inch	mm	inch	mm	meter	ft				pieces
7	175	7.571	192.30	7.445	189.10	0.209	5.30	6	20	24.20	7.38	16.27	7
8	200	8.584	218.03	8.448	214.57	0.228	5.80	6	20	30.10	9.17	20.20	5

Carbon Steel Pipe**(Black and Galvanized)**

Structural Pipe / Scaffolding

Pipe Standard : **JIS G 3444**

NOMINAL SIZE	OUTSIDE DIAMETER		WALL THICKNESS	WEIGHT	REFERENCE				BUNDLING
	maximum	minimum			Cross Sectional Area	Geometric Moment of Inertia	Modulus of Section	Radius of Gyration of Area	
mm	mm	mm	mm	kg/m	cm ²	cm ⁴	cm ³	cm	pieces
21.7	21.95	21.45	1.2	0.61	0.773	0.407	0.375	0.726	217
			1.5	0.75	0.952	0.488	0.450	0.716	217
			1.6	0.79	1.010	0.513	0.473	0.713	217
			2.0	0.97	1.238	0.607	0.560	0.700	217
34.0	34.25	33.75	2.0	0.95	2.011	2.580	1.520	1.130	91
35.0	35.25	34.75	1.6	1.32	1.679	2.350	1.340	1.400	217
36.0	36.25	35.75	1.6	1.36	1.729	2.560	1.420	1.480	127
			2.0	1.68	2.136	3.100	1.720	1.450	127
			2.4	1.99	2.533	3.590	2.000	1.420	127
42.7	42.95	42.45	2.0	2.01	2.557	5.310	2.490	1.440	91
			2.3	2.29	2.919	5.970	2.800	1.430	91
			2.5	2.49	3.157	6.400	3.000	1.420	91
			2.8	2.76	3.510	7.020	3.290	1.410	91
48.6	48.85	48.35	2.3	2.63	3.345	8.990	3.700	1.640	91
			2.5	2.84	3.621	9.650	3.970	1.630	91
			2.8	3.16	4.029	10.600	4.360	1.620	91
			3.2	3.58	4.564	11.800	4.860	1.610	91

Carbon Steel Pipe**(Black and Galvanized)**

Scaffolding

Pipe Standard : **BS 1139**

NOMINAL SIZE	OUTSIDE DIAMETER		WALL THICKNESS	WEIGHT			BUNDLING
	maximum	minimum		kg/m	kg/ft	lb/ft	
mm	mm	mm	mm				pieces
48.3	48.8	47.8	4.0	4.37	1.33	2.94	91



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Pipe Standard **BS1387:1985**
 AS1074
 SS17:1996

Tensile Strength 320 to 460 N/mm²
Yield Strength (min) 195 N/mm²
Length Tolerance -0, +30 mm
Thickness Tolerance - 10%, + not specified



CLASS	NOMINAL SIZE		OUTSIDE DIAMETER				WALL THICKNESS		LENGTH		WEIGHT			BUNDLING
			maximum		minimum						plain end			
	inch	mm	inch	mm	inch	mm	inch	mm	meter	ft	kg/m	kg/ft	lb/ft	
MEDIUM	1	25	1.346	34.2	1.315	33.4	0.126	3.2	6	20	2.410	0.735	1.620	91
	1 ¼	32	1.689	42.9	1.657	42.1	0.126	3.2	6	20	3.100	0.945	2.083	44
	1 ½	40	1.921	48.8	1.890	48.0	0.126	3.2	6	20	3.570	1.088	2.399	44
	2	50	2.394	60.8	2.354	59.8	0.142	3.6	6	20	5.030	1.533	3.380	44
	2 ½	65	3.016	76.6	2.969	75.4	0.142	3.6	6	20	6.430	1.963	4.328	19
	3	80	3.524	89.5	3.469	88.1	0.157	4.0	6	20	8.370	2.551	5.625	19
	4	100	4.524	114.9	4.461	113.3	0.177	4.5	6	20	12.200	3.718	8.199	10
	5	125	5.535	140.6	5.461	138.7	0.197	5.0	6	20	16.600	5.095	11.156	10
6	150	6.539	166.1	6.461	164.1	0.197	5.0	6	20	19.700	6.004	13.239	10	



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