

STEEL PIPES FOR ORDINARY PURPOSES AND PIPING SYSTEM



WWW.THAIPREMIUMPIPE.COM
CONTACT@THAIPREMIUMPIPE.COM

Chemical Composition		Chemical Composition		Class	Marking Color
	Max		Min	H Series	Red
Carbon	0.20	Tensile	320 - 520 MPa	M Series	Blue
Silicon	-	Yield	195 MPa		
Manganese	1.40	Elongation	20%		
Phosphorus	0.035				
Sulphur	0.03				

BS EN 10255: CARBON STEEL PIPES (TRANSITION FROM BS 1387)

Nominal Size	Specified Outside Diameter	Designation of Thread	Outside Diameter		Thickness	Mass per Unit Length		Hydro Test Pressure
			min	max		Plain End	Thread & Couplings	
mm	mm		mm	mm		kg/m	kg/m	psi
M SIZE								
10	17.2	3/8	16.7	17.5	2.3	0.839	0.845	700
15	21.3	1/2	21.0	21.8	2.6	1.21	1.22	700
20	26.9	3/4	26.5	27.3	2.6	1.56	1.57	700
25	33.7	1	33.3	34.2	3.2	2.41	2.43	700
32	42.4	1 1/4	42.0	42.9	3.2	3.10	3.13	700
40	48.3	1 1/2	47.9	48.8	3.2	3.56	3.60	700
50	60.3	2	59.7	60.8	3.6	5.03	5.10	700
65	76.1	2 1/2	75.3	76.6	3.6	6.42	6.54	700
80	88.9	3	88.0	89.5	4.0	8.36	8.53	700
100	114.3	4	113.1	115.0	4.5	12.2	12.5	700
125	139.7	5	138.5	140.8	5.0	16.6	17.1	700
150	165.1	6	163.9	166.5	5.0	19.8	20.4	700
H SIZE								
10	17.2	3/8	16.7	17.5	2.9	1.02	1.03	700
15	21.3	1/2	21.0	21.8	3.2	1.44	1.45	700
20	26.9	3/4	26.5	27.3	3.2	1.87	1.88	700
25	33.7	1	33.3	34.2	4.0	2.93	2.95	700
32	42.4	1 1/4	42.0	42.9	4.0	3.79	3.82	700
40	48.3	1 1/2	47.9	48.8	4.0	4.37	4.41	700
50	60.3	2	59.7	60.8	4.5	6.19	6.26	700
65	76.1	2 1/2	75.3	76.6	4.5	7.93	8.05	700
80	88.9	3	88.0	89.5	5.0	10.3	10.5	700
100	114.3	4	113.1	115.0	5.4	14.5	14.8	700
125	139.7	5	138.5	140.8	5.4	17.9	18.4	700
150	165.1	6	163.9	166.5	5.4	21.3	21.9	700

TOLERANCE

WT	M and H Series: $\pm 10\%$
Weight	M and H Series: $\pm 7.5\%$

Chemical Composition		Chemical Composition		Class	Marking Color
	Max		Min	Type L	Green
Carbon	0.20	Tensile	320 - 520 MPa	Type L1	White
Silicon	-	Yield	195 MPa	Type L2	Brown
Manganese	1.40	Elongation	20%		
Phosphorus	0.035				
Sulphur	0.03				

BS EN 10255: CARBON STEEL PIPES (TRANSITION FROM BS 1387)

Nominal Size	Specified Outside Diameter	Designation of Thread	Outside Diameter		Thickness	Mass per Unit Length		Hydro Test Pressure
			min	max		Plain End	Thread & Couplings	
			mm	mm		kg/m	kg/m	
Type L								
10	17.2	3/8	16.7	17.4	2.0	0.750	0.756	700
15	21.3	1/2	21.0	21.7	2.3	1.08	1.09	700
20	26.9	3/4	26.4	27.1	2.3	1.40	1.41	700
25	33.7	1	33.2	34.0	2.9	2.20	2.22	700
32	42.4	1 1/4	41.9	42.7	2.9	2.82	2.85	700
40	48.3	1 1/2	47.8	48.6	2.9	3.25	3.29	700
50	60.3	2	59.6	60.7	3.2	4.51	4.58	700
65	76.1	2 1/2	75.2	76.0	3.2	5.75	5.87	700
80	88.9	3	87.9	88.7	3.2	6.76	6.93	700
90	101.6	3 1/2	100.3	101.2	3.6	8.70	8.88	700
100	114.3	4	113.0	113.9	3.6	9.83	10.1	700
125	139.7	5	138.5	140.8	4.5	15.0	15.5	700
150	165.1	6	163.9	166.5	4.5	17.8	18.4	700
Type L1								
10	17.2	3/8	16.7	17.4	2.0	0.742	0.748	700
15	21.3	1/2	21.0	21.7	2.3	1.08	1.09	700
20	26.9	3/4	26.4	27.1	2.3	1.39	1.40	700
25	33.7	1	33.2	34.0	2.9	2.20	2.22	700
32	42.4	1 1/4	41.9	42.7	2.9	2.82	2.85	700
40	48.3	1 1/2	47.8	48.6	2.9	3.24	3.28	700
50	60.3	2	59.6	60.7	3.2	4.49	4.56	700
65	76.1	2 1/2	75.2	76.3	3.2	5.73	5.85	700
80	88.9	3	87.9	89.4	3.6	7.55	7.72	700
100	114.3	4	113.0	114.9	4.0	10.80	11.10	700
Type L2								
10	17.2	3/8	16.7	17.1	1.8	0.670	0.676	700
15	21.3	1/2	21.0	21.4	2.0	0.947	0.956	700
20	26.9	3/4	26.4	26.9	2.3	1.38	1.39	700
25	33.7	1	33.2	33.8	2.6	1.98	2.00	700
32	42.4	1 1/4	41.9	42.5	2.6	2.54	2.57	700
40	48.3	1 1/2	47.8	48.4	2.9	3.23	3.27	700
50	60.3	2	59.6	60.2	2.9	4.08	4.15	700
65	76.1	2 1/2	75.2	76.0	3.2	5.71	5.83	700
80	88.9	3	87.9	88.7	3.2	6.72	6.89	700
100	114.3	4	113.0	113.9	3.6	9.75	10.00	700

TOLERANCE

WT	Type L : $\pm 10\%$ Type L1, L2 : + bymass tolerance, -8%
Weight	Type L : $\pm 7.5\%$ Type L1, L2 : + 10% , -8% on individual tubes