



ASTM A 795



Table 1. Dimension, Weight and Test Pressure for light weight fire protection- Schedule 10

NPS Designator	Outside Diameter		Nominal Wall Thickness		Weight Plain End		Test Pressure	
							ERW	
							Psi	Mpa
In.	In.	mm	In.	mm	lb/ ft	Kg/ m		
3/4"	1.05	26.7	0.083	2.11	0.86	1.28	700	4.83
1"	1.315	33.4	0.109	2.77	1.41	2.09	700	4.83
1 1/4"	1.66	42.2	0.109	2.77	1.81	2.69	1000	6.89
1 1/2"	1.9	48.3	0.109	2.77	2.09	3.11	1000	6.89
2"	2.375	60.3	0.109	2.77	2.64	3.93	1000	6.89
2 1/2"	2.875	73	0.12	3.05	3.53	5.26	1000	6.89
3"	3.5	88.9	0.12	3.05	4.34	6.46	1000	6.89
3 1/2"	4	101.6	0.12	3.05	4.98	7.41	1200	8.27
4"	4.5	114.3	0.12	3.05	5.62	8.37	1200	8.27
5"	5.563	141.3	0.134	3.4	7.78	11.58	1200	8.27
6"	6.625	168.3	0.134	3.4	9.3	13.85	1000	6.89

Chemical Requirements				
Grades	Composition, maximum %			
	C	Mn	P	S
Grade A	0.25	0.95	0.035	0.035
Grade B	0.30	1.20	0.035	0.035

Weight	For the pipe covered by table 1, the weight shall not vary more than $\pm 5\%$ from that prescribed.
	The weight of pipe having other wall thicknesses shall not vary more than $\pm 5\%$ from the nominal weight calculated.
Diameter	For the pipe NPS 1 1/2 and under, the outside diameter at any point shall not vary more than 1/64" (0.4mm) over nor more than 1/32" (0.8mm) under the standards specified.
	For pipe NPS2 and over, the outside diameter shall not vary more than $\pm 1\%$ from the standards specified.
Thickness	The minimum wall thickness at any point shall not vary more than 12.5% under the nominal wall thickness