ASTM 795
Carbon Steel Pipes for Fire Protection Use

MATERIAL OF GRADE	(%) CHEMICAL COMPOSITION (Max)					MECHANICAL PROPERTIES (Min)			COLOR CODE
	C Max	Si Max	Mn Max	P Max	S Max	Yield Strength N/mm2 (min)	Tensile Strength N/mm2 (min)	Elongation % (min)	Material of Grade
Grade A	0.25	-	0.95	0.035	0.035	-	-	-	-
Grade B	0.30	-	1.20	0.035	0.035	-	-	-	-

NOMINAL SIZE		THICKNESS MM	OUTSIDE DIAMETER MM	WEIGHT (PLAIN END) KG/M	RATED WORKING PRESSURE	TEST PRESSURE(KPA)		SCHEDULE
in	mm	Std.	Std.	STD	psi	Grade A, B		
3/4”	20	2.11	26.70	1.28	300	1200	8300	10
1”	25	2.77	33.40	2.09	300	1200	8300	10
1-1/4”	32	2.77	42.20	2.69	300	1200	8300	10
1-1/2”	40	2.77	48.30	3.11	300	1200	8300	10
2”	50	2.77	60.30	3.93	300	1200	8300	10
2-1/2”	65	3.05	73.00	5.26	300	1200	8300	10
3”	80	3.05	88.90	6.46	300	1200	8300	10
3-1/2”	90	3.05	101.60	7.41	300	1200	8300	10
4”	100	3.05	114.30	8.37	300	1200	8300	10
5”	125	3.40	141.30	11.58	300	1200	8300	10
6”	150	3.40	168.30	13.85	300	1200	8300	10
8”	200	4.78	219.10	25.26	225	900	6200	10

Dimension Tolerances

Outside Diameter	NPS 1 1/2 in (40 mm) : ± 0.016 in (0.41 mm) NPS 2 in (50 mm) : ± 1% from specifed OD
Thickness	-12.5% , +Not Limit
Weight	± 5%
Length	0 mm ,+ 50 mm

