WATER
APPLICATION

MITRSTEEL

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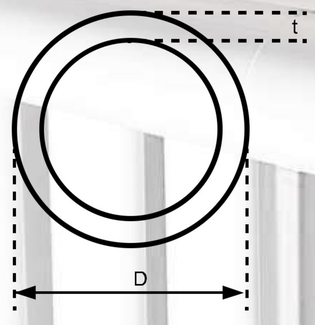

CARBON STEEL PIPE
STEEL SPRINKLER PIPE

FOR PRESSURE PURPOSE / FIRE PROTECTION

งานท่องานระบบและงานดับเพลิง

ASTM A795/795M

MATERIAL OF GRADE	CHEMICAL COMPOSITION (%)					MECHANICAL PROPERTIES		
	C Max	Si Max	Mn Max	P Max	S Max	Yield Strength	Tensile Strength	Elongation
						N/mm²	N/mm²	%
Grade A	0.250	-	0.950	0.035	0.035	-	-	-
Grade B	0.300	-	1.200	0.035	0.035	-	-	-

Schedule 10

Nominal dimension		Outside diameter	Thickness	Weight (plain end)	Test pressure (kPa)	Schedule
mm	in	mm	mm	kg/m		
20	3/4”	26.70	2.11	1.28	4800	10
25	1”	33.40	2.77	2.09	4800	10
32	1 1/4”	42.20	2.77	2.69	6900	10
40	1 1/2”	48.30	2.77	3.11	6900	10
50	2”	60.30	2.77	3.93	6900	10
65	2 1/2”	73.00	3.05	5.26	6900	10
80	3”	88.90	3.05	6.46	6900	10
90	3 1/2”	101.60	3.05	7.41	8300	10
100	4”	114.30	3.05	8.37	8300	10
125	5”	141.30	3.40	11.58	8300	10
150	6”	168.30	3.40	13.85	6900	10
200	8”	219.10	4.78	25.26	5500	10
250	10”	273.00	4.78	31.62	4800	10

Dimension Tolerances
Outside Diameter : NPS ≤ 1 ½ in (40mm) : ± 0.016 in (0.41mm)
NPS ≥ 2 in (50mm) : ± 1% from specified OD
Wall Thickness : - 12.5 %, + Not Specified
Length : - 0 mm, + 50 mm