



**FiGuard-10**  
**Carbon Steel Pipes for Fire Protection Use**  
 ท่อเหล็กกล้า สำหรับงานระบบดับเพลิง



Grade	% Chemical Composition (Max)					Mechanical Properties (Min)		
	C	Si	Mn	P	S	Yield Strength	Tensile Strength	Elongation
						MPa	MPa	%
Grade A	0.25	-	0.95	0.035	0.035	-	-	-
Grade B	0.30	-	1.20	0.035	0.035	-	-	-

Nominal Size		Outside Diameter	Thickness	Weight (plain end)	Rated Working Pressure	Hydrostatic Test Pressure		Schedule
mm	inch	mm	mm	kg/m	psi	Grade A,B		
						psi	kPa	
25	1"	33.40	2.77	2.09	300	1200	8300	10
32	1 1/4"	42.20	2.77	2.69	300	1200	8300	10
40	1 1/2"	48.30	2.77	3.11	300	1200	8300	10
50	2"	60.30	2.77	3.93	300	1200	8300	10
65	2 1/2"	73.00	3.05	5.26	300	1200	8300	10
80	3"	88.90	3.05	6.46	300	1200	8300	10
90	3 1/2"	101.60	3.05	7.41	300	1200	8300	10
100	4"	114.30	3.05	8.37	300	1200	8300	10
125	5"	141.30	3.40	11.58	300	1200	8300	10
150	6"	168.30	3.40	13.85	300	1200	8300	10

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

Remark : Schedule 10 corresponds to Schedule 10S as listed in ANSI B36.19 for NPS through 6 [DN 20 through 150] only