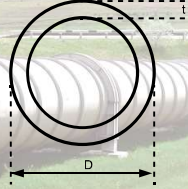




**MITRSTEEL**

บริษัท มิตรสตีล จำกัด [www.mitrsteel.com](http://www.mitrsteel.com)  
 114/40 หมู่ 10 ตำบลหนองละลอก อำเภอบ้านค่าย  
 จังหวัดระยอง 21120 Tel. 66(0)3301-2436-8



# ELECTRICALLY WELDED STEEL WATER PIPE

งานท่อขนาดใหญ่  
 TIS 427

MATERIAL OF GRADE	CHEMICAL COMPOSITION (%)						MECHANICAL PROPERTIES		
	C Max	Si Max	Mn Max	P Max	S Max	Cu Max	Yield Strength	Tensile Strength	Elongation
							N/mm <sup>2</sup>	N/mm <sup>2</sup>	%
Class (ก)	0.250	-	-	0.040	0.050	0.20	165	310 - 380	30
Class (ข)	0.250	-	-	0.040	0.050	0.20	205	380 - 450	25
Class (ค)	0.300	-	-	0.040	0.050	0.20	230	≥ 415	23

Nominal size		Outside diameter	Thickness	Mass per unit length	Test pressure (mpa)		
inch	mm.	mm.	mm.	kg/m	Class ก	Class ข	Class ค
4"	100	101.6	2.70	6.59	5.26	6.45	7.33
			3.45	8.35	6.72	8.35	9.37
4 1/2"	115	114.3	2.70	7.43	4.68	5.81	6.52
			3.45	9.43	5.98	7.43	8.33
6"	150 A	152.4	2.70	9.97	4.38	5.45	6.11
			3.45	12.67	5.60	6.96	7.81
			4.80	17.47	7.80	9.69	10.87
			5.50	19.93	8.93	11.10	12.45
6 5/8"	150	168.3	2.70	11.03	3.97	4.93	5.53
			3.45	14.03	5.07	6.30	7.07
			4.80	19.35	7.06	8.77	9.84
			5.50	22.08	8.09	10.05	11.27
8"	200 A	203.0	3.45	16.98	4.21	5.23	5.86
			4.50	22.03	5.49	6.82	7.65
			4.80	23.46	5.85	7.27	8.16
			6.00	29.15	7.32	9.09	10.20
8 5/8"	200	219.1	3.45	18.35	3.90	4.84	5.43
			4.50	23.82	5.08	6.32	7.09
			4.80	25.37	5.42	6.74	7.56
			6.00	31.53	6.78	8.42	9.45
10"	250 A	254.0	3.45	21.32	3.81	4.73	5.31
			4.50	27.69	4.97	6.17	6.93
			4.80	29.50	5.30	6.59	7.39
			6.00	36.70	6.63	8.23	9.24
10 3/4"	250	273	3.45	22.93	3.54	4.40	4.94
			4.50	29.80	4.62	5.74	6.45
			4.80	31.75	4.93	6.13	6.87
			6.00	39.51	6.16	7.66	8.59
12"	300 A	304.8	4.50	33.33	4.14	5.15	5.77
			4.80	35.51	4.42	5.49	6.16
			6.00	44.21	5.52	6.86	7.70
12 3/4"	300	323.9	4.50	35.45	3.90	4.84	5.43
			4.80	37.77	4.16	5.16	5.79
			6.00	47.04	5.20	6.46	7.24
14"	350	355.6	4.80	41.53	3.79	4.70	5.28
			6.00	51.73	4.73	5.88	6.60
16"	400	406.4	4.80	47.54	3.31	4.12	4.62
			6.00	59.25	4.14	5.15	5.77
			6.35	62.65	4.38	5.45	6.11
			7.90	77.64	5.45	6.77	7.60

Dimension Tolerances  
 Outside Diameter : OD < 500 mm: ±1%  
 Thickness : ±Not specified - 0.25mm