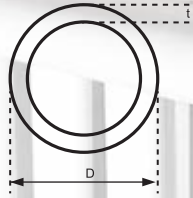




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จังหวัดระยอง 21120 Tel. 66(0)3301-2436-8



BLACK & GALVANIZED STEEL PIPE

งานท่อประปาทั่วไป

TIS 276 & 277

MATERIAL OF GRADE	CHEMICAL COMPOSITION (%)					MECHANICAL PROPERTIES			HYDROSTAT TEST
	C max	Si max	Mn max	P max	S max	Yield Strength	Tensile Strength	Elongation	
						N/m ²	N/m ²	%	
TISTYPE 1	-	-	-	-	-	-	320	20	50
TISTYPE 2	-	-	-	-	-	-	320	20	50
TISTYPE 3	-	-	-	-	-	-	320	20	50
TISTYPE 4	-	-	-	-	-	-	320	20	50

Type 1

Nominal dimension dn		Outside diameter mm.		Thickness mm.	Weight	Threads per 25.4 mm.
mm.	inch	min	max	STD	kg/m	
15	1/2"	21.00	21.40	2.00	0.95	14
20	3/4"	26.40	26.90	2.30	1.38	14
25	1"	33.20	33.80	2.60	1.98	11
32	1 1/4"	41.90	42.50	2.60	2.54	11
40	1 1/2"	47.80	48.40	2.90	3.23	11
50	2"	59.60	60.20	2.90	4.08	11
65	2 1/2"	75.20	76.00	3.20	5.71	11
80	3"	87.90	88.70	3.20	6.72	11
100	4"	113.00	113.90	3.60	9.75	11

Type 3

Nominal dimension dn		Outside diameter mm.		Thickness mm.	Weight	Threads per 25.4 mm.
mm.	inch	min	max	STD	kg/m	
15	1/2"	21.00	21.80	3.20	1.44	14
20	3/4"	26.50	27.30	3.20	1.87	14
25	1"	33.30	34.20	4.00	2.93	11
32	1 1/4"	42.00	42.90	4.00	3.79	11
40	1 1/2"	47.90	48.80	4.00	4.37	11
50	2"	59.70	60.80	4.50	6.19	11
65	2 1/2"	75.30	76.60	4.50	7.93	11
80	3"	88.00	89.50	5.00	10.30	11
100	4"	113.10	115.00	5.40	14.50	11
125	5"	138.50	140.80	5.40	17.90	11
150	6"	163.90	166.50	5.40	21.30	11

Type 2

Nominal dimension dn		Outside diameter mm.		Thickness mm.	Weight	Threads per 25.4 mm.
mm.	inch	min	max	STD	kg/m	
15	1/2"	21.00	21.80	2.60	1.21	14
20	3/4"	26.50	27.30	2.60	1.56	14
25	1"	33.30	34.20	3.20	2.41	11
32	1 1/4"	42.00	42.90	3.20	3.10	11
40	1 1/2"	47.90	48.80	3.20	3.56	11
50	2"	59.70	60.80	3.60	5.03	11
65	2 1/2"	75.30	76.60	3.60	6.42	11
80	3"	88.00	89.50	4.00	8.36	11
100	4"	113.10	115.00	4.50	12.20	11
125	5"	138.50	140.80	5.00	16.60	11
150	6"	163.90	166.50	5.00	19.80	11

Type 4

Nominal dimension dn		Outside diameter mm.		Thickness mm.	Weight	Threads per 25.4 mm.
mm.	inch	min	max	STD	kg/m	
65	2 1/2"	72.30	73.70	5.20	8.60	8
80	3"	88.00	89.80	5.50	11.30	8
100	4"	113.20	115.40	6.00	16.10	8
125	5"	139.90	142.70	6.60	21.80	8
150	6"	166.60	170.00	7.10	28.30	8
200(r)	8"	216.90	221.30	7.00	36.80	8
200(v)	8"	216.90	221.30	8.20	42.50	8

Dimension Tolerances

Thickness : Type 1 : -8% , +Not Limit
Type 2, 3, 4 : -12.5% , +Not Limit

Weight : Type 1, 2, 3 : -8% , +10%
Type 4 : ± 5%