



Steel Pipes & Galvanized Steel Pipes

ท่อเหล็กกล้า และ ท่อเหล็กอบสังกะสี



Grade	% Chemical Composition (Max)					Mechanical Properties (Min)			Hydrostatic Test	Class	Marking Color
	C	Si	Mn	P	S	Yield Strength	Tensile Strength	Elongation			
						MPa	MPa	%	Bar		
-	-	-	-	-	-	-	320	20	50	Type 1	Brown
										Type 2	Blue
										Type 3	Red
										Type 4	Green

Type 1						
Nominal Size		Outside Diameter		Thickness	Weight (plain end)	Threads Per inch
mm	inch	Max	Min			
		mm	mm		kg/m	
15	1/2"	21.40	21.00	2.00	0.95	14
20	3/4"	26.90	26.40	2.30	1.38	14
25	1"	33.80	33.20	2.60	1.98	11
32	1 1/4"	42.50	41.90	2.60	2.54	11
40	1 1/2"	48.40	47.80	2.90	3.23	11
50	2"	60.20	59.60	2.90	4.08	11
65	2 1/2"	76.00	75.20	3.20	5.71	11
80	3"	88.70	87.90	3.20	6.72	11
100	4"	113.90	113.00	3.60	9.75	11

Type 3						
Nominal Size		Outside Diameter		Thickness	Weight (plain end)	Threads Per inch
mm	inch	Max	Min			
		mm	mm		kg/m	
15	1/2"	21.80	21.00	3.20	1.44	14
20	3/4"	27.30	26.50	3.20	1.87	14
25	1"	34.20	33.30	4.00	2.93	11
32	1 1/4"	42.90	42.00	4.00	3.79	11
40	1 1/2"	48.80	47.90	4.00	4.37	11
50	2"	60.80	59.70	4.50	6.19	11
65	2 1/2"	76.60	75.30	4.50	7.93	11
80	3"	89.50	88.00	5.00	10.30	11
100	4"	115.00	113.10	5.40	14.50	11
125	5"	140.80	138.50	5.40	17.90	11
150	6"	166.50	163.90	5.40	21.30	11

Type 2						
Nominal Size		Outside Diameter		Thickness	Weight (plain end)	Threads Per inch
mm	inch	Max	Min			
		mm	mm		kg/m	
15	1/2"	21.80	21.00	2.60	1.21	14
20	3/4"	27.30	26.50	2.60	1.56	14
25	1"	34.20	33.30	3.20	2.41	11
32	1 1/4"	42.90	42.00	3.20	3.10	11
40	1 1/2"	48.80	47.90	3.20	3.56	11
50	2"	60.80	59.70	3.60	5.03	11
65	2 1/2"	76.60	75.30	3.60	6.42	11
80	3"	89.50	88.00	4.00	8.36	11
100	4"	115.00	113.10	4.50	12.20	11
125	5"	140.80	138.50	5.00	16.60	11
150	6"	166.50	163.90	5.00	19.80	11

Type 4						
Nominal Size		Outside Diameter		Thickness	Weight (plain end)	Threads Per inch
mm	inch	Max	Min			
		mm	mm		kg/m	
65	2 1/2"	73.70	72.30	5.20	8.60	8
80	3"	89.80	88.00	5.50	11.30	8
100	4"	115.40	113.20	6.00	16.10	8
125	5"	142.70	139.90	6.60	21.80	8
150	6"	170.00	166.60	7.10	28.30	8
200 (φ)	8"	221.30	216.90	7.00	36.80	8
200 (ψ)	8"	221.30	216.90	8.20	42.50	8

Dimension Tolerances	Thickness		Weight	
	Type 1, 2	: -8% , +Not Limit	Type 1, 2, 3	: -8% , +10%
Type 3, 4	: -12.5 % , +Not Limit	Type 4	: ±5%	