



Professional、Dedicated、For the future



**LEFIN STEEL**

Professional manufacturer of steel pipe

## TIANJIN LEFIN INDUSTRY GROUP

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## TIANJIN LEFIN INDUSTRY GROUP



Quality service

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Good reputation







# ABOUT US

It is located in Hengtai Road, Daqiu Zhuang Town, Tianjin city, China. It is joined with Tuanbo New Town and adjoins Jing-jin-Tang Speed highway. Our mills are about 40 kilometers from Tianjin Port and Binhai airport. The convenient traffic and dominant geographical position make it develop well in the future.

Mill produces according to ISO9001-2000 quality control system strictly. It has advanced equipments and technology so that can meet the demands of clients in maximum.

Corporate Beliefs: Offer happy and graceful work to the employees; support the successful future of the employees.

Corporate Values: Thanksgiving with self correction, pursue without going beyond the rules, accomplish without claiming credit.

Corporate Spirits: Honest, positive, self-support, endeavor, Harmonious and Win-Win.

Corporate Rules: Ensure quality with corporate culture;

Accomplish future with ensured quality.

# ABOUT US

TIANJIN LEFIN INDUSTRY GROUP containing Tianjin Lefin Industrial Co., Ltd. Tianjin Shi Shengqifeng Steel pipe Co., Ltd. Tianjin Shi Ruifeng Science and Technology Development Co., Ltd and Tianjin Shengqifeng International Trading Co., Ltd. Its total assets is more than 30 million USD and our mills totally has more than 60,000 Square meters. The annual production of welded tube is more than 200,000 tons per year. There are more than 200 employees and 20 engineers now. Our main products include 1/2 inch to 12 inch ERW PIPE/GI PIPE which has been produced according to BS1387/ASTM A53/EN10219/EN10255/EN10217 Standard, all these steel pipes are suitable for the industries of oil, natural gas, ship building, chemical, water conservancy, electrical industry, steel structure, building and other related fields.

We also have 6 production lines produce hollow section from 400mm\*400mm-15mm\*15mm square & rectangular pipe, the wall thickness range from 0.7mm to 16mm. At the same time, we also supply seamless pipe, steel structure and steel coil (GI coil/PPGI) to Middle East, Africa, Southeast Asia and South America market.





# WORKSHOP



# TESTING EQUIPMENT





# ERW PIPE/WELDED STEEL PIPE

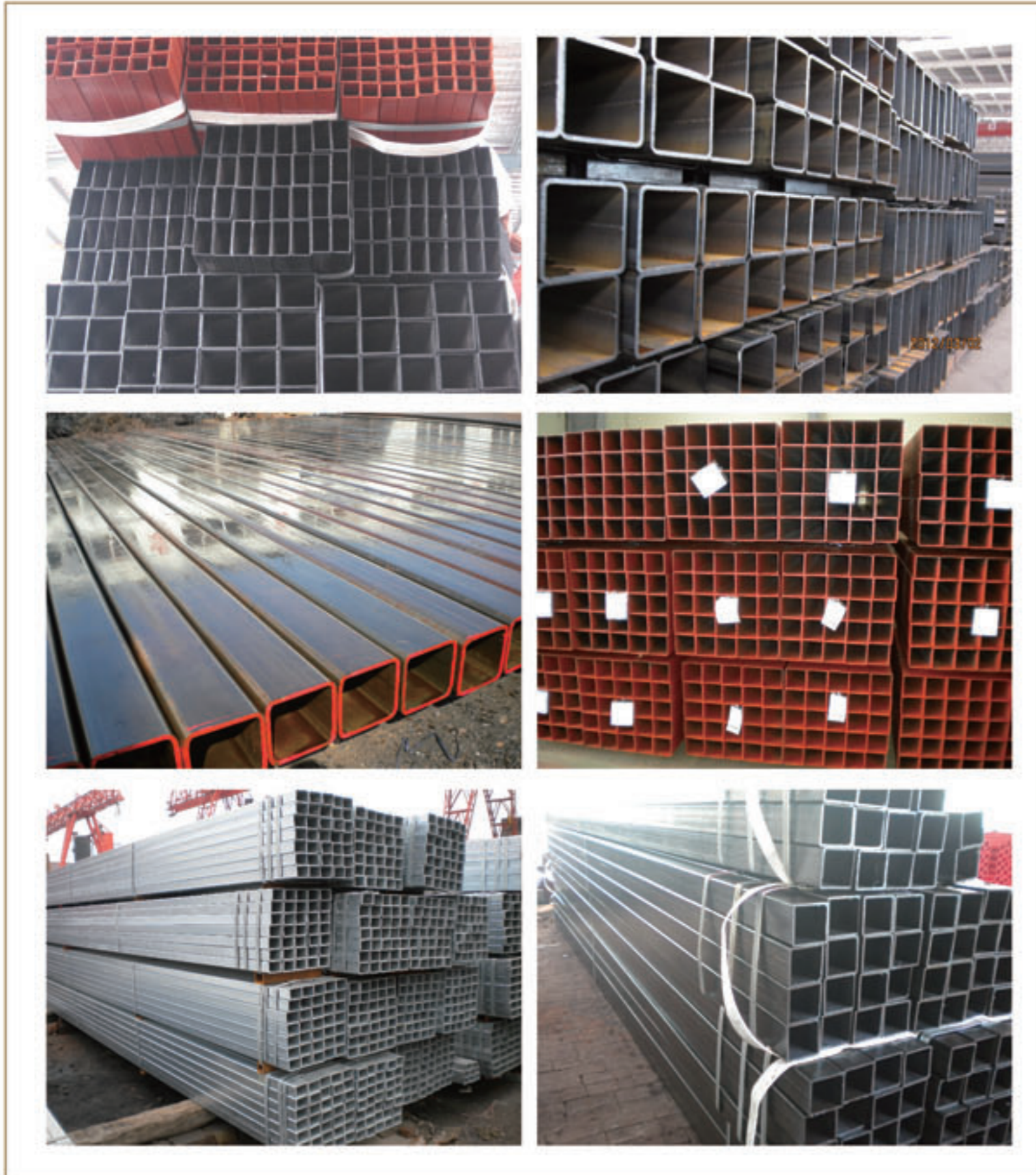


NPS 公称直径 (inch)	DN 公称直径 (mm)	Outside Diameter 外径 inch(mm)	Wall Thickness 壁厚 inch(mm)	Unit Weight 单位重量 (lb/ft)(kg/m)	Weight Class 重量等级	Schedule No. 壁厚级别	Test Pressure(kpaX100) 试验压力	
							Grade A	Grade B
1/2"	15	0.840 ( 21.3 )	0.109 ( 2.77 )	0.86(1.27)	STD	40	48	48
			0.147 ( 3.73 )	1.09(1.62)	XS	80	59	59
3/4"	20	1.050 ( 26.7 )	0.113 ( 2.87 )	1.14(1.69)	STD	40	48	48
			0.154 ( 3.91 )	1.48(2.21)	XS	80	59	59
1"	25	1.315 ( 33.4 )	0.133 ( 3.38 )	1.69(2.50)	STD	40	48	48
			0.179 ( 4.55 )	2.19(3.25)	XS	80	59	59
1 1/4"	32	1.660 ( 42.2 )	0.140 ( 3.56 )	2.28(3.40)	STD	40	69	76
			0.191 ( 4.85 )	3.03(4.49)	XS	80	103	110
1 1/2"	40	1.900 ( 48.3 )	0.145 ( 3.68 )	2.74(4.04)	STD	40	69	76
			0.200 ( 5.08 )	3.65(5.39)	XS	80	103	110
2"	50	2.375 ( 60.3 )	0.154 ( 3.91 )	3.68(5.46)	STD	40	159	172
			0.218 ( 5.54 )	5.08(7.55)	XS	80	172	172
2 1/2"	65	2.87 ( 73.0 )	0.203 ( 5.16 )	5.85(8.67)	STD	40	172	172
			0.276 ( 7.01 )	7.75(11.52)	XS	80	172	172
3"	80	3.500 ( 88.9 )	0.216 ( 5.49 )	7.68(11.35)	STD	40	152	172
			0.300 ( 7.62 )	10.35(15.39)	XS	80	172	172
3 1/2"	90	4.000 ( 101.6 )	0.226 ( 5.74 )	9.27(13.71)	STD	40	138	165
			0.318 ( 8.08 )	12.67(18.82)	XS	80	193	193
4"	100	4.500 ( 114.3 )	0.237 ( 6.02 )	10.92(16.23)	STD	40	131	152
			0.337 ( 8.56 )	15.20(22.60)	XS	80	186	193
5"	125	5.563 ( 141.3 )	0.258 ( 6.55 )	14.90(22.07)	STD	40	117	131
			0.375 ( 9.52 )	21.04(31.42)	XS	80	165	193
6"	150	6.625 ( 168.3 )	0.280 ( 7.11 )	19.34(28.58)	STD	40	103	124
			0.432 ( 10.97 )	28.88(43.05)	XS	80	159	186
8"	200	8.625 ( 219.1 )	0.277 ( 7.04 )	25.53 ( 38.07 )	...	30	83	90
			0.322 ( 8.18 )	29.35 ( 43.73 )	STD	40	90	110
			0.500 ( 12.7 )	44.00 ( 65.41 )	XS	80	145	165
10"	250	10.75 ( 273.0 )	0.279 ( 7.09 )	32.33 ( 48.8 )	...	...	65	76
			0.307 ( 7.80 )	35.33 ( 53.27 )	...	30	69	83
			0.365 ( 9.27 )	41.49 ( 63.36 )	STD	40	83	97
12"	300	12.75 ( 323.8 )	0.500 ( 12.7 )	55.55 ( 83.17 )	XS	60	117	138
			0.330 ( 8.38 )	45.47 ( 67.72 )	...	30	65	76
			0.375 ( 9.52 )	51.28 ( 76.21 )	STD	...	76	83
14"	350	14.000 ( 355.6 )	0.500 ( 12.7 )	66.91 ( 99.4 )	XS	...	97	110
			0.250 ( 6.35 )	36.75 ( 54.69 )	...	10	44	52
			0.312 ( 7.92 )	45.65 ( 67.9 )	...	20	55	65
			0.375 ( 9.52 )	54.62 ( 81.25 )	STD	30	66	77
			0.438 ( 11.13 )	63.5 ( 94.55 )	...	40	78	90

- 1.STANDARD:GB/T3091. API 5L,ASTM A53
- 2.APPLICATION: TO BE USED FOR WATER,OIL AND NATURAL GAS INDUSTRIES. AND THE STEEL STRUCTURAL STEEL PIPE PURPOSE.
- 3.MAIN STEEL TUBE GRADE:Q195 , Q235 , Q345 , GRADE A,B,X42 , X52 , X60 , X70
- 4.PRODUCTION CAPACITY:1/2inch to 12inch,20MM-323.9MM,WT:0.7MM-16MM.



# HOLLOW SECTIONS



Standard: ASTM A500, GB/T6728  
 Application: It is used for structural steel pipes purpose  
 Main Steel Tube Grade: A,B,C,Q195,Q215,Q235,Q345  
 Surface: Slightly Oil/Anti-rust painting/bared.

Element	Composition, %			
	Grade A		Grade B	
	Heat analysis	Product analysis	Heat analysis	Product analysis
Carbon,max	0.26	0.30	0.22 <sup>B</sup>	0.26
Manganese,max	...	...	1.40 <sup>B</sup>	1.45
Phosphorus,max	0.035	0.045	0.030	0.040
Sulfur,max	0.035	0.045	0.020	0.030
Copper,when copper steel is specified,min	0.20	0.18	0.20	0.18

<sup>A</sup> where an ellipsis(...) appears in this table, there is no requirement.  
<sup>B</sup> For each reduction of 0.01 percentage point below the specified maximum for carbon, an increase of 0.06 percentage point above the specified maximum for manganese is permitted, up to a maximum of 1.50% by heat analysis and 1.60% by product analysis

	Grade A	Grade B
Tensile strength,min,psi(Mpa)	58 000(400)	70 000(483)
Yield strength,min,psi(Mpa)	36 000(250)	50 000(345)
Elongation in 2 in.(50.8),min,%	23	23

SIZE(mm)	THICKNESS(mm)	SIZE(mm)	THICKNESS(mm)
12 x 12	0.6-1.5	20 x 10	0.6-1.5
15 x 15	0.6-1.5	25 x 12	0.6-1.5
16 x 16	0.6-1.5	38 x 19	0.6-1.5
19 x 19	0.6-1.5	50 x 25	0.6-1.5
20 x 20	1.6-1.5	50 x 30	1.6-3.0
25 x 25	1.0-2.75	60 x 40	1.5-3.5
30 x 30	1.0-2.75	75 x 50	1.5-4.0
32 x 32	1.0-3.0	80 x 40	1.5-4.0
38 x 38	1.0-3.0	100 x 50	2.0-6.0
40 x 40	1.0-3.5	100 x 60	2.0-6.0
50 x 50	1.0-5.0	100 x 75	2.0-6.0
60 x 60	1.0-6.0	120 x 60	3.0-6.0
70 x 70	1.5-6.0	125 x 50	3.0-6.0
75 x 75	1.5-6.0	125 x 75	3.0-6.0
80 x 80	2.0-6.0	150 x 50	3.0-6.0
90 x 90	2.0-6.0	150 x 75	3.0-6.0
100 x 100	2.3-6.0	150 x 100	4.0-12
120 x 120	4.0-6.0	160 x 80	4.0-6.0
125 x 125	4.0-6.0	175 x 100	4.0-12
150 x 150	4.0-8.0	200 x 100	4.0-12
200 x 200	6.0-12	200 x 150	4.0-12
250 x 250	6.0-12	250 x 150	5.0-12
300 x 300	6.0-12	300 x 200	5.0-16
400 x 400	6.0-12	400 x 200	5.0-16



# HOT DIPPED GALVANIZED PIPES



OD (MM) \ WT (MM)	21.3	26.7	33.4	42.2	48.3	60.3	73	88.9	114.3	141.3	168.3	219.1
1.70												
1.80												
1.90												
2.00												
2.10												
2.20												
2.30												
2.40												
2.50												
2.75												
3.00												
3.25												
3.50												
3.75												
4.00												
4.25												
4.50												
4.75												
5.00												
5.25												

Standard: ASTM A53 ,BS1387,GB/T3091

Application: It is used for conveying gas,water And use for the structural steel pipes purpose

Main Steel Tube Grade: A,B. Q195,Q215,Q235,Q345

Ends: PLAIN ENDS/ THREADING ENDS/BEVELLED

Zinc coating: 200-300G/M2 For BS STANDARD, 500-550G/M2 for ASTM Standard,according to customer requirement



# HOT DIPPED GALVANIZED PIPES

BS1387 LIGHT ( HOT DIPPED GALVANIZED PIPES)						
SIZE		Max	Min	Wall Thickness	Bare Pipes Weight	Screwed & Socketed Pipes Weight
INCH	NB(MM)	mm	mm	mm	kg/m	kg/m
1/2"	15	21.4	21	2	0.947	0.956
3/4"	20	26.9	26.4	2.3	1.38	1.39
1"	25	33.8	33.2	2.6	1.98	2
1-1/4"	32	42.5	41.9	2.6	2.54	2.57
1-1/2"	40	48.4	47.8	2.9	3.23	3.27
2"	50	60.2	59.6	2.9	4.08	4.15
2-1/2"	65	76	75.2	3.2	5.71	5.83
3"	80	88.7	87.9	3.2	6.72	6.39
3-1/2"	90	113.9	113	3.6	9.75	10

BS1387 MEDIUM ( HOT DIPPED GALVANIZED PIPES)						
SIZE		Max	Min	Wall Thickness	Bare Pipes Weight	Screwed & Socketed Pipes Weight
INCH	NB(MM)	mm	mm	mm	kg/m	kg/m
1/2"	15	21.7	21.1	2.6	1.21	1.22
3/4"	20	27.2	26.6	2.6	1.54	1.57
1"	25	34.2	33.4	3.2	2.41	2.43
1-1/4"	32	42.9	42.1	3.2	3.1	3.13
1-1/2"	40	48.9	48.3	3.2	3.57	3.61
2"	50	60.8	59.9	3.6	5.03	5.1
2-1/2"	65	76.6	75.4	3.6	5.43	6.55
3"	80	89.5	88.1	4.5	8.37	8.54
4"	100	114.9	113.3	4.5	12.2	12.5
5"	125	140.6	138.7	5	15.6	17.1
6"	150	166.1	164.1	5	19.7	20.3

BS1387 HEAVY ( HOT DIPPED GALVANIZED PIPES)						
SIZE		Max	Min	Wall Thickness	Bare Pipes Weight	Screwed & Socketed Pipes Weight
INCH	NB(MM)	mm	mm	mm	kg/m	kg/m
1/2"	15	21.7	21.1	3.2	1.44	1.45
3/4"	20	27.2	26.6	3.2	1.87	1.88
1"	25	34.2	33.4	4	2.94	2.96
1-1/4"	32	42.9	42.1	4	3.8	3.83
1-1/2"	40	48.9	48.3	4	4.38	4.42
2"	50	60.8	59.9	4.5	5.19	5.26
2-1/2"	65	76.6	75.4	4.5	7.93	8.05
3"	80	89.5	88.1	5	10.3	10.5
4"	100	114.9	113.3	5.4	14.5	14.9
5"	125	140.6	138.7	5.4	17.9	18.4
6"	150	166.1	164.1	5.4	21.3	22.9





# PRE-GALVANIZED STEEL PIPE

SPECIFICATION OF PRE-GALVANIZED ROUND STEEL PIPE



1/2INCH × 0.8 × 5.95	1.2INCH × 0.8 × 5.95	2.5INCH × 0.8 × 6	5INCH × 1.2 × 6
1/2INCH × 0.9 × 5.95	1.2INCH × 0.9 × 5.95	2.5INCH × 0.9 × 6	5INCH × 1.3 × 6
1/2INCH × 1.0 × 5.95	1.2INCH × 1.0 × 5.95	2.5INCH × 1.0 × 6	5INCH × 1.4 × 6
1/2INCH × 1.1 × 5.95	1.2INCH × 1.2 × 5.95	2.5INCH × 1.2 × 6	5INCH × 1.5 × 6
1/2INCH × 1.2 × 5.95	1.2INCH × 1.5 × 5.95	2.5INCH × 1.5 × 6	5INCH × 1.6 × 6
1/2INCH × 1.5 × 5.95	1.2INCH × 1.7 × 5.95	2.5INCH × 1.7 × 6	5INCH × 1.7 × 6
1/2INCH × 1.7 × 5.95	1.2INCH × 1.8 × 5.95	2.5INCH × 1.8 × 6	5INCH × 1.8 × 6
1/2INCH × 1.8 × 5.95	1.2INCH × 2.0 × 5.95	2.5INCH × 2.0 × 6	5INCH × 1.9 × 6
1/2INCH × 2.0 × 5.95	1.2INCH × 2.2 × 5.95	2.5INCH × 2.2 × 6	5INCH × 2.2 × 6
3/4INCH × 0.8 × 5.95	1.5INCH × 0.8 × 5.95	3INCH × 0.8 × 6	6INCH × 1.2 × 6
3/4INCH × 0.9 × 5.95	1.5INCH × 0.9 × 5.95	3INCH × 0.9 × 6	6INCH × 1.3 × 6
3/4INCH × 1.0 × 5.95	1.5INCH × 1.0 × 5.95	3INCH × 1.0 × 6	6INCH × 1.4 × 6
3/4INCH × 1.1 × 5.95	1.5INCH × 1.1 × 5.95	3INCH × 1.1 × 6	6INCH × 1.5 × 6
3/4INCH × 1.2 × 5.95	1.5INCH × 1.2 × 5.95	3INCH × 1.2 × 6	6INCH × 1.6 × 6
3/4INCH × 1.5 × 5.95	1.5INCH × 1.5 × 5.95	3INCH × 1.5 × 6	6INCH × 1.7 × 6
3/4INCH × 1.7 × 5.95	1.5INCH × 1.7 × 5.95	3INCH × 1.7 × 6	6INCH × 1.8 × 6
3/4INCH × 1.8 × 5.95	1.5INCH × 1.8 × 5.95	3INCH × 1.8 × 6	6INCH × 1.9 × 6
3/4INCH × 2.0 × 5.95	1.5INCH × 2.0 × 5.95	3INCH × 2.0 × 6	6INCH × 2.0 × 6
3/4INCH × 2.2 × 5.95	1.5INCH × 2.2 × 5.95	3INCH × 2.2 × 6	6INCH × 2.2 × 6
1INCH × 0.8 × 5.95	2INCH × 0.8 × 6	4INCH × 0.8 × 6	8INCH × 1.4 × 6
1INCH × 0.9 × 5.95	2INCH × 0.9 × 6	4INCH × 0.9 × 6	8INCH × 1.5 × 6
1INCH × 1.0 × 5.95	2INCH × 1.0 × 6	4INCH × 1.0 × 6	8INCH × 1.6 × 6
1INCH × 1.2 × 5.95	2INCH × 1.2 × 6	4INCH × 1.2 × 6	8INCH × 1.7 × 6
1INCH × 1.5 × 5.95	2INCH × 1.5 × 6	4INCH × 1.5 × 6	8INCH × 1.8 × 6
1INCH × 1.7 × 5.95	2INCH × 1.7 × 6	4INCH × 1.7 × 6	8INCH × 1.9 × 6
1INCH × 1.8 × 5.95	2INCH × 1.8 × 6	4INCH × 1.8 × 6	8INCH × 2.0 × 6
1INCH × 2.0 × 5.95	2INCH × 2.0 × 6	4INCH × 2.0 × 6	8INCH × 2.2 × 6
1INCH × 2.2 × 5.95	2INCH × 2.2 × 6	4INCH × 2.2 × 6	8INCH × 2.4 × 6



# SEAMLESS PIPE



OD		WT		WEIGHT		
INCH	MM	SCH	MM	INCH	KG/M	LB/INCH
1 1/2"	48.3	STD -40	3.68	0.145	4.09	2.75
1 1/2"	48.3	XS -80	5.08	0.2	5.47	3.68
2"	60.3	STD -40	3.91	0.154	5.49	3.69
2"	60.3	XS -80	5.54	0.218	7.56	5.08
2 1/2"	73	STD -40	5.16	0.203	8.72	5.86
2 1/2 "	73	XS -80	7.01	0.276	11.52	7.74
3"	88.9	STD -40	5.49	0.216	11.41	7.67
3"	88.9	XS -80	7.62	0.3	15.43	10.37
3 1/2"	101.6	STD -40	5.74	0.226	13.71	9.21
3 1/2"	101.6	XS -80	8.08	0.318	18.83	12.65
4"	114.3	STD -40	6.02	0.237	16.24	10.91
4"	114.3	XS -80	8.56	0.337	22.55	15.15
5"	141.3	STD -40	6.55	0.258	21.99	14.78
5"	141.3	XS -80	9.53	0.375	31.28	21.02
6"	168.3	STD -40	7.11	0.28	28.55	19.19
6"	168.3	XS -80	10.97	0.432	42.99	28.89
8"	219.1	STD -40	8.18	0.322	42.98	28.88
8"	219.1	XS -80	12.7	0.5	65.3	43.88
10"	273	STD -40	9.27	0.365	60.9	40.92
10"	273	80	15.09	0.594	96.95	65.15
12"	323.8	STD	9.53	0.375	74.61	50.13
12"	323.8	40	10.31	0.406	80.51	54.1
12"	323.8	XS	12.7	0.5	98.42	66.14
12"	323.8	80	17.48	0.688	133.38	89.63
14"	355.6	40	11.13	0.438	95.51	64.18
14"	355.6	XS	12.7	0.5	108.48	72.9
14"	355.6	80	19.05	0.75	159.71	107.32
16"	406.4	XS -40	12.7	0.5	124.55	83.69

Standard	Grade	Chemical Composition(%)									Mechanical Properties	
		C	Si	Mn	P.S	Cr	Mo	Ni	Cu	V	(MPa) Tensile Strength	(MPa) Yield Strength
ASTM A106	A	≤0.25	≥0.10	0.27-0.93	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08	≥330	≥205
	B	≤0.30	≥0.10	0.29-1.06	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08	≥415	≥240
	C	≤0.35	≥0.10	0.29-1.06	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08	≥485	≥275

Standard	Grade	Chemical Composition(%)										Mechanical Properties	
		C	Si	Mn	P	S	Cu	Ni	Mo	Cr	V	(MPa) Tensile Strength	(MPa) Yield Strength
ASTM A53	A	≤0.25	/	≤0.95	≤0.05	≤0.045	≤0.40	≤0.40	≤0.15	≤0.40	≤0.08	≥330	≥205
	B	≤0.30	/	≤1.20	≤0.05	≤0.045	≤0.40	≤0.40	≤0.15	≤0.40	≤0.08	≥415	≥240

- 1.STANDARD: API 5L/ASTM A106/ASTM A53
- 2.STEEL GRADE: GRADE B/X42/X52/X60
- 3.SURFACE:COATED WITH ANTI-RUST PAINTING,ABOVE 2INCH BEVELLED ENDS/3PE
- 4.APPLICATION: TO BE USED FOR CONVEYANCE OF PETROLEUM ,GAS AND CONVEYANCE OF OTHER FLUID.



# SCAFFOLDING PIPE (BLACK /HOT DIP GALVANIZED)

# MANUFACTURE PROCEDURES

## Electrical Resistance Weld Pipe-ERW



## Hot-Dipped Galvanized Steel Pipe



- 1.STANDARD: EN39/BS 1139/EN10219/JIS G3444
- 2.MATERIAL:Q235/Q345/STK400/STK500  
 SIZE:48.3MM/48.6MM\*1.5MM—4MM\*,the length scale 1M/1.5M/2M/2.5M/3M/4M/5M/6M/6.4M  
 Hot dip galvanized scaffolding pipe ,Zinc coating 200G/M2-300G/M2  
 Pre-galvanized scaffolding pipe 48.6MM\*2.2MM\*6M/5.8M
- 3.ENDS: PLAIN ENDS
- 4.SURFACE: EMBOSSING(STAMPING)/PAINTING
- 5.PACKAGE: BUNDLES. PVC COVER EVERY BUNDLE



# MAJOR CERTICATES

