

Since 1993
Cixi Chenghe Pipe Industry Co., Ltd



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ERW STEEL PIPE/TUBE (ERW ACERO CAÑERÍA/TUBO)

D/LSAW PIPE (D/LSAW CAÑERÍA)

SEAMLESS STEEL PIPE (ACERO CAÑERÍA SIN COSTURA)

ELECTRICAL CONDUIT (ELÉCTRICO CONDUIT)



ERW STEEL PIPE/TUBE
ERW ACERO CAÑERIA/TUBO



D/LSAW PIPE
D/LSAW CAÑERIA



ELECTRICAL CONDUIT
ELÉCTRICO CONDUIT

SEAMLESS STEEL PIPE
(ACERO CAÑERIA SIN COSTURA)



Brief introduction

Cixi Chenghe Pipe Industry Co., Ltd begins its activities in 1993 in Ningbo— an east coastal city in China. Chenghe is a professional pipe manufacturer specialized in welded pipes, galvanized steel pipes and steel electrical conduit with ISO 9001 certificate. With more than 10 years rich experiences and strong technique force and sourcing ability in pipe industry, chenghe recognized herself among competitors and earned great reputation of quality, reliability and capability.

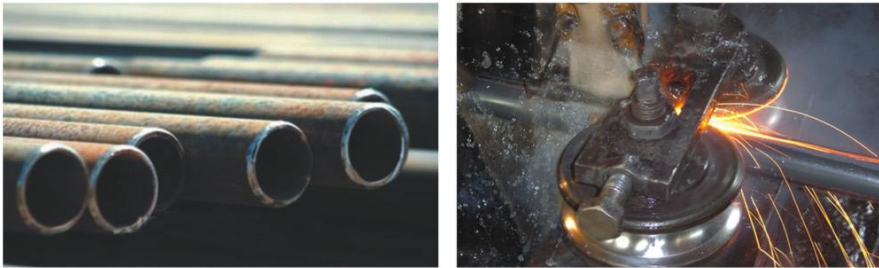
Now Chenghe is one of the leading pipe exporter in southeast China. Products covers many areas in the world including USA, Europe, Australia, South East Asia, Africa and Middle East.

ASTM	A53	A500	A513	F1083	A795	A106
BS	1387-1985	(AS 1163)	4568			
DIN	2440	2441	2442	2443	2444	1626 2448
ANSI	C80.1	C80.3	C80.6			
JIS	G3452	G3454	C8305			
UL	797	1242	6			
EN	10255	10240	39			
ISO	65					
NBR	5580M/P	5590	13057	5624	5597	5598



ERW Steel Pipes

Based on customer's requirement, ERW (electric resistance welded) steel pipes and tubes are available in various qualities, wall thicknesses, and diameters of the finished pipes. While manufacturing ERW steel pipes, only high-quality, continuous-cast, fully killed, control-rolled, fine-grain, low-carbon steel is used.



Black Steel Pipes

Steel is easy to rust and corrosion, so our black pipes are coated with protective oil. Those black steel are used for manufacturing pipe and tube, which will not rust for a long time and requires very little maintenance.

Black steel pipes and tubing are cut and threaded to fit the job. Fittings for this type of pipe are of black malleable (soft) cast iron. They connect by screwing onto the threaded pipe, after applying a small amount of pipe joint compound on the threads. Black steel pipe is cut either with a heavy-duty tube cutter or cutoff saw or by hacksaw.

Widely applicable for ordinary uses in water, gas, air and steam, black steel pipes and tube are utilized for gas distribution inside and outside the house and for hot water circulation in boiler systems. It is also used for line pipes in oil and petroleum industries, for water wells and for water, gas and sewage purposes.

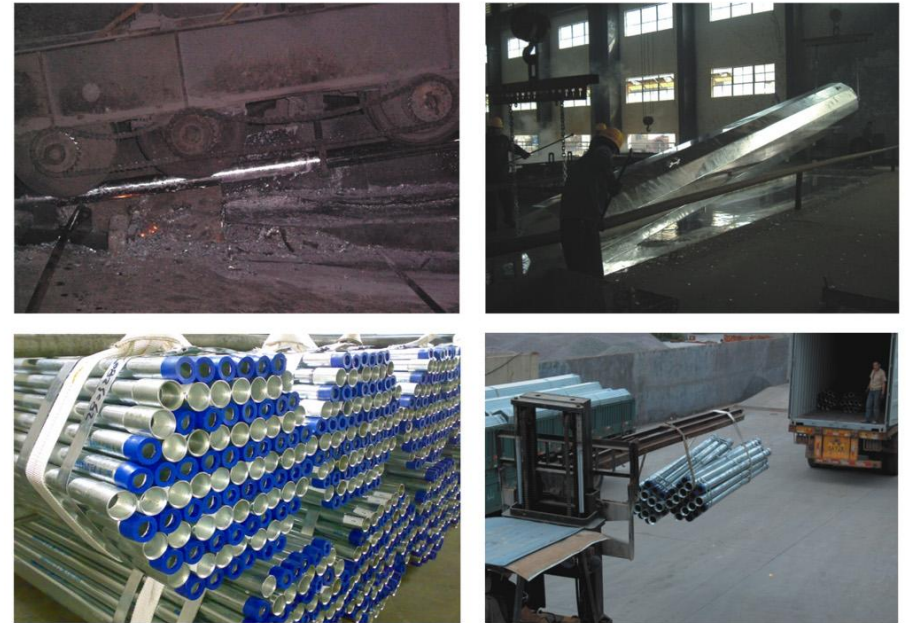


Galvanized Steel Pipes

Galvanized Steel are those steel that has been covered with a layer of zinc metal. During galvanizing, steel is immersed in a molten zinc bath, ensuring a tough, uniform barrier coating. Zinc's natural corrosion resistance provides long-term protection, even in outdoor environments.

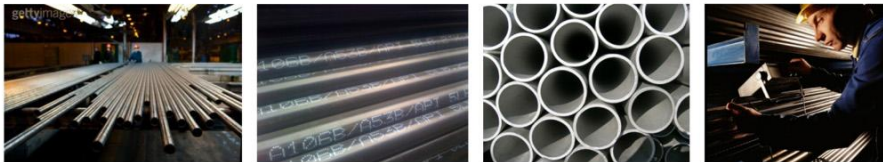
Apart from preventing water corrosion, it is equally effective in dry, indoor environments.

Pipes and tubing made of galvanized steel has long been one of the most used building materials in the world. For decades, designers, builders and consumers seeking long-term structural performance in the harshest of outdoor applications have turned to zinc-coated steel pipes. Zinc-coated galvanized steel pipes and tube resists the attack of wind, water and road salts.



Seamless Pipes

Seamless (SMLS) Steel Pipe is made from a solid round steel 'billet' which is heated and pushed or pulled over a form until the steel is shaped into a hollow tube. The seamless pipe is then finished to dimensional and wall thickness specifications in sizes from 1/2 inch to 16 inch.



Large Diameter

We have UOE, JCOE and ERW lines, which can produce D/LSAW and ERW pipe with outside diameter in range from 12 inches to 48 inches (323.8mm - 1219.2mm). Our products can comply with various standards such as ASTM A53, ASTM A106, API 5L etc. Our coating plants are capable of producing single/double layer fusion-bond epoxy (FBE), two/three layers polyethylene/polypropylene (3LPE/3LPP) and bitumen external coating, liquid epoxy, bitumen and cement interior coating which meet international coating standards.



Special requirements Customization

If you have the special requirements, we also can do our best to offer the products. Processing services Chenghe offers:

- special specifications
- special steel materials(include the heat treatment)
- ends (thread, swagger, grooved)
- bending, hole punching, welding
- coating & painting inside and outside (UV, PE, PVC etc.)

Product Applications

Automotive

Construction

Agricultural

Exercise Equipment

Off Road

Appliance



SWAGER



THREADING&COUPLING



THREADING



POWDER COATING



BLACK



GROOVE



UV COATING



Electrical Conduit

Cixi Chenghe Pipe Industry Co.,Ltd
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EMT(Electrical Metal Tubing)

Our EMT is manufactured from high-quality, CRC,. Produced by the electric resistance welding (ERW) process, the finished tube is uniform in OD size, wall thickness, and ductility. The exterior and interior surfaces are thorough and evenly coated with zinc using an inline galvanizing process, so that metal-to-metal contact and galvanic protection against corrosion are provided. After, the interior surface will be coated with organic lubricating coating to reduce friction, for easier wire pulling and Pushing.



EMT Dimensions and Weights Chart(Standard:UL797 C80.3 WW-C-563)

Trade Size	Metric Designator	Nominal Outside		Nominal Wall Thickness		Approx. Wt. Per 100 Ft. (30.5M)		Qty. In Master Bundle	
		in.	mm	im.	mm	lb.	kg	ft.	m
1/2	16	0.706	17.9	0.042	1.07	30	13.6	7000	2135
3/4	21	0.922	23.4	0.049	1.25	46	20.9	5000	1525
1	27	1.163	29.5	0.057	1.45	67	30.4	3000	915
1-1/4	35	1.51	38.4	0.065	1.65	101	45.8	2000	610
1-1/2	41	1.74	44.2	0.065	1.65	116	52.6	1500	457.5
2	53	2.197	55.8	0.065	1.65	148	67.1	1200	366
2-1/2	63	2.875	73	0.072	1.83	216	98	610	186.1
3	78	3.5	88.9	0.072	1.83	263	119.3	510	155.6
3-1/2	91	4	101.6	0.083	2.11	249	158.3	370	112.9
4	103	4.5	114.3	0.083	2.11	393	178.2	300	91.5

Outside diameter tolerances:

+/- .005 in. (.13mm) for trade sizes 1/2" (16mm) through 2" (53mm) ; +/- .010 in. (.25mm) for trade sizes 2-1/2" (63mm)
+/- .015 in. (.38mm) for trade size 3" (78mm) ; +/- .020 in. (.51mm) for trade sizes 3-1/2" (91mm) and 4" (103mm)

Note: Length = 10 ft. (3.05m) with a tolerance of +/- .25" (6.35 mm)

The length of straight conduit, and the weight of finished zinc-coated conduit or bare threaded tube to be coated with an Alternate corrosion-resistant coating with one coupling,

STEEL ELECTRICAL CONDUIT

Cixi Chenghe Pipe Industry Co.,Ltd
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IMC (Intermediate Metal Conduit)

Our Intermediate Metal Conduit (IMC) is manufactured from high-quality, flat-rolled, domestic steel. Produced by the electric resistance welding (ERW) process, the finished tube is uniform in OD size, wall thickness, and rigidity. Our IMC offers lower material costs because of its thin walls, light weight and lower shipping costs. Its consistently accurate metallurgical properties and smooth surfaces reduce installation costs.



IMC Dimensions and Weights Chart (Standard:UL1242 C80.6 WW-C-581)

Trade Size	Metric Designator	Nominal Outside		Nominal Wall Thickness		Approx. Wt. Per 100 Ft. (30.5M)		Qty. In Master Bundle
		In.	Mm	In.	Mm	Lb.	Kg	Pcs
1/2	16	0.815	20.7	0.078	1.98	61.46	27.88	169
3/4	21	1.029	26.1	0.083	2.10	83.58	37.91	127
1	27	1.290	32.8	0.093	2.35	118.66	53.82	91
1-1/4	35	1.638	41.6	0.095	2.42	157.23	71.32	61
1-1/2	41	1.883	47.8	0.100	2.54	190.64	86.47	61
2	53	2.360	59.9	0.105	2.67	253.39	114.94	37
2-1/2	63	2.857	72.6	0.150	3.81	434.62	197.14	37
3	78	3.476	88.3	0.150	3.81	533.81	242.13	19
3-1/2	91	3.971	100.9	0.150	3.81	613.42	278.24	19
4	103	4.466	113.4	0.150	3.81	692.39	314.06	19

Outside diameter tolerances:

+/- .005 in. (.13mm) for trade sizes 1/2"(16mm) through 1"(25mm)
+/- .0075 in. (.19mm) for trade size 1-1/4"(36mm) through 2"(53mm) +/- 0.10 in (.25mm) for trade size 2-1/2"(63mm) through 4"(103mm).

Wall thickness tolerances:

+/- 0.15 in. (.38mm) for trade sizes 1/2"(13mm) through 2"(53mm)
+/- 0.20 in. (.51mm) for trade sizes 2-1/2"(63mm) through 4"(103mm)

Note: Length = 10 ft. (3.05m) with a tolerance of +/- .25"(6.35mm)

The length of straight conduit, and the weight of finished zinc-coated conduit or bare threaded tube to be coated with an alternate corrosion-resistant coating with one coupling.

RSC(Rigid Steel Conduit)

The Rigid Steel Conduit (GRC) is manufactured from high-quality, flat-rolled steel. Produced by the electric resistance welding (ERW) process, the finished tube is uniform in OD size, wall thickness, rigidity and ductility. The use of quality steel, carefully controlled processing and modern equipment all contribute to this product's reputation for quality. The Rigid Steel Conduit offers the highest available strength, rigidity, ductility, system safety and protection. It's suitable for the most demanding industrial/ commercial building and on struction service, indoors or outdoors.



RSC Dimensions and Weights Chart (Standard:UL6C80.1 WW-C-581)

Trade Size	Metric Designator	Nominal Outside		Nominal Wall Thickness		Approx. Wt. Per 100 Ft. (30.5M)		Qty. In Master Bundle
		in.	mm	in.	mm	lb.	kg	Pcs
1/2	16	0.84	21.3	0.104	2.6	82	37.2	169
3/4	21	1.05	26.7	0.107	2.7	109	49.4	127
1	27	1.315	33.4	0.126	3.2	161	73	91
1-1/4	35	1.66	42.2	0.133	3.4	218	98.9	61
1-1/2	41	1.9	48.3	0.138	3.5	263	119.3	61
2	53	2.375	60.3	0.146	3.7	350	158.7	37
2-1/2	63	2.875	73	0.193	4.9	559	253.5	37
3	78	3.5	88.9	0.205	5.2	727	329.7	19
3-1/2	91	4	101.6	0.215	5.5	880	399.1	19
4	103	4.5	114.3	0.225	5.7	1030	467.1	19
5	129	5.563	141.3	0.245	6.2	1400	634.9	7
6	155	6.625	168.3	0.266	6.8	1840	834.5	7

Outside diameter tolerances:

+/- .015 in. (.38mm) for trade sizes 1/2"(16mm) through 1 1/2"(41mm)
+/- 1% (.19mm) for trade size 2"(53mm) through 6"(155mm)

Wall thickness tolerances: +/-12.5%

Note: Length = 10 ft. (3.05m) with a tolerance of +/- .25"(6.35mm)

The length of straight conduit, and the weight of finished zinc-coated conduit or bare threaded tube to be coated with an alternate corrosion-resistant coating with one coupling.

STEEL ELECTRICAL CONDUIT FITTINGS

RIGID STEEL COUPLNG, ANSI C80.1/UL6

CODE	DESCRIPTION	WEIGHT PER 100 KG	STANDARD CARTON PSC		
RSCC15	1/2" GALVANIZED COUPLINGS	5.4	100		
RSCC20	3/4" GALVANIZED COUPLINGS	8.2	50		
RSCC25	1" GALVANIZED COUPLINGS	14.1	50		
RSCC32	1 1/4" GALVANIZED COUPLINGS	18.1	50		
RSCC40	1 1/2" GALVANIZED COUPLINGS	23.6	50		
RSCC50	2" GALVANIZED COUPLINGS	33.1	20		
RSCC65	2 1/2" GALVANIZED COUPLINGS	81.2	12		
RSCC80	3" GALVANIZED COUPLINGS	100.2	12		
RSCC100	4" GALVANIZED COUPLINGS	142.0	12		
RSCC150	6" GALVANIZED COUPLINGS	331.1	BLK		

RIGID CONDUIT 90 STANDARD RADIUS ELBOW, ANSI C80.1/UL 6

CODE	DESCRIPTION	WEIGHT PER 100 KG	STANDARD CARTON PSC	RADIUS IN	UNBENT LENGHTS IN
RSCE9015	1/2X90 GALVANIZED ELBOWS	34.0	50	4.25	11.3
RSCE9020	3/4X90 GALVANIZED ELBOWS	49.4	50	4.5	12.5
RSCE9025	1X90 GALVANIZED ELBOWS	85.7	25	5.75	14.8
RSCE9032	1 1/4X90 GALVANIZED ELBOWS	137.4	10	7.25	17.8
RSCE9040	1 1/2X90 GALVANIZED ELBOWS	188.7	15	8.25	19.8
RSCE9050	2X90 GALVANIZED ELBOWS	288.0	10	9.5	22.5
RSCE9065	2 1/2X90 GALVANIZED ELBOWS	552.0	BLK	10.5	28.0
RSCE9080	3X90 GALVANIZED ELBOWS	816.9	BLK	13	32.0
RSCE90100	4X90 GALVANIZED ELBOWS	1436.1	BLK	16	39.5

Sizes 2-1/2" and larger shipped in palletized cartons or bulk, thread protectors each end

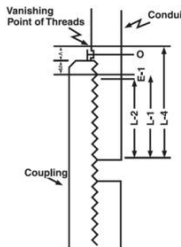
EMT 90 STANDARD RADIUS ELBOW, ANSI C80.3/UL 797

CODE	DESCRIPTION	WEIGHT PER 100 KG	STANDARD CARTON PSC	RADIUS IN	UNBENT LENGHTS IN
EMTE9015	1/2X90 GALVANIZED ELBOWS	12.7	150	4.25	10.3
EMTE9020	3/4X90 GALVANIZED ELBOWS	20.9	100	4.5	11.1
EMTE9025	1X90 GALVANIZED ELBOWS	39.0	45	5.75	13.0
EMTE9032	1 1/4X90 GALVANIZED ELBOWS	67.1	30	7.25	16.8
EMTE9040	1 1/2X90 GALVANIZED ELBOWS	89.8	20	8.25	19.5
EMTE9050	2X90 GALVANIZED ELBOWS	129.7	8	9.5	23.5



CONDUIT THREAD AND COUPLING DIMENSIONS

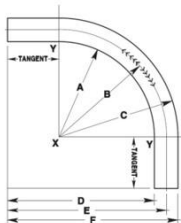
*Couplings are straight tapped.
Tolerance, thread length = ±1 thread. Plus or minus 1 turn is the maximum variation permitted from the gaging face of the working thread gages. This is equivalent to plus or minus 1 and 1/2 turns from basic dimensions, since a variation of plus or minus 1/2 turn from basic dimensions is permitted in working gages.



Nominal Size	Conduit		Threads				Coupling*			
	Threads per Inch	Length From End of Pipe to Hand-Tight Plane	Effective Length	Total Length of Threads to Vanish Point		Pitch Diameter		Length from Hand-Tight Plane to Face of Coupling	Dia. of Counter-sink	Hand-Tight Stand Off Basic Inches
				L-1	L-2	L-4	E-1			
1/2	14	.5658	.5337	.7815	.7815	.7815	.7938	.1086	.840	1 1/2
3/4	14	.5778	.5457	.7935	.7935	.7935	1.0038	.1086	1.050	1 1/2
1	11 1/2	.7217	.6828	.9845	.9845	1.2136	1.2587	.1323	1.315	1 1/2
1 1/4	11 1/2	.7457	.7068	1.0085	1.0085	1.5571	1.6037	.1323	1.660	1 1/2
1 1/2	11 1/2	.7624	.7235	1.0252	1.0252	1.7961	1.8437	.1323	1.900	1 1/2
2	11 1/2	.7954	.7565	1.0582	1.0582	2.2690	2.3187	.1323	2.375	1 1/2
2 1/2	8	1.1935	1.1375	1.5712	1.5712	2.7195	2.7941	.1902	2.875	1 1/2
3	8	1.2560	1.2000	1.6337	1.6337	3.3406	3.4191	.1902	3.500	1 1/2
3 1/2	8	1.3060	1.2500	1.6837	1.6837	3.8375	3.9191	.1902	4.000	1 1/2
4	8	1.3560	1.3000	1.7337	1.7337	4.3344	4.4191	.1902	4.500	1 1/2
5	8	1.4623	1.4063	1.8400	1.8400	5.3907	5.4821	.1902	5.563	1 1/2
6	8	1.5685	1.5125	1.9462	1.9462	6.4461	6.5441	.1902	6.625	1 1/2

CONDUIT 90° STANDARD RADIUS ELBOWS

All dimensions are approximate.



Nominal Size (in.)	Diameters		Unbent Length (in.)	Radii			Offset			Tangent (in.)	Steel Approx. Weight per 100 Pieces (lbs.)
	External (in.)	Internal (in.)		A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)		
1/2	.840	.622	11 1/2	3.83	4.25	4.67	6.08	6.50	6.92	2.25	75
3/4	1.050	.824	12 1/2	3.98	4.50	5.03	6.73	7.25	7.78	2.75	111
1	1.315	1.049	14 1/2	5.09	5.75	6.41	8.00	8.625	9.285	2.875	195
1 1/4	1.660	1.380	17 1/2	6.42	7.25	8.08	9.607	10.437	11.267	3.187	320
1 1/2	1.900	1.610	19 1/2	7.30	8.25	9.20	10.675	11.625	12.575	3.375	423
2	2.375	2.067	22 1/2	8.31	9.50	10.69	12.123	13.313	14.50	3.813	671
2 1/2	2.875	2.469	28	9.06	10.50	11.94	14.81	16.25	17.69	5.753	1,288
3	3.500	3.068	32	11.25	13.00	14.75	17.00	18.75	20.50	5.753	1,926
3 1/2	4.000	3.548	39 1/2	13.00	15.00	17.00	20.97	22.97	24.97	7.96	2,853
4	4.500	4.026	39 1/2	13.75	16.00	18.25	20.93	23.18	25.43	7.18	3,373
5	5.563	5.047	59 1/2	21.22	24.00	26.78	32.12	34.90	37.68	10.90	7,388
6	6.625	6.065	76	26.68	30.00	33.31	40.13	43.44	46.75	14.44	12,287

Large Radius Conduit Elbows

ASTM A 53 /ASTM A106

NPS Designator	DN Designator	Schedule number	Outside		Wall		Nominal Weight (Mass) per unit Length			
			(Inches)	(Mm)	(Inches)	(Mm)	Plain End	Plain End (kg/m)	Threads &Couplings (lb/ft)	Threads &Couplings (kg/m)
3/8	10	SCH40	0.675	17.1	0.091	2.31	0.57	0.84	0.57	0.84
1/2	15	SCH40	0.840	21.3	0.109	2.77	0.85	1.27	0.86	1.27
3/4	20	SCH40	1.050	26.7	0.113	2.87	1.13	1.69	1.14	1.69
1	25	SCH40	1.315	33.4	0.133	3.38	1.68	2.50	1.69	2.50
1-1/4	32	SCH40	1.660	42.2	0.140	3.56	2.27	3.39	2.28	3.40
1-1/2	40	SCH40	1.900	48.3	0.145	3.68	2.72	4.05	2.74	4.04
2	50	SCH40	2.375	60.3	0.154	3.91	3.66	5.44	3.68	5.46
2-1/2	65	SCH40	2.875	73.0	0.203	5.16	5.80	8.63	5.85	8.67
3	80	SCH40	3.500	88.9	0.216	5.49	7.58	11.29	7.68	11.35
3-1/2	90	SCH40	4.000	101.6	0.226	5.74	9.12	13.57	9.27	13.71
4	100	SCH40	4.500	114.3	0.237	6.02	10.80	16.07	10.92	16.23
5	125	SCH40	5.563	141.3	0.258	6.55	14.63	21.77	14.90	22.07
6	150	----	6.625	168.3	0.188	4.78	16.96	25.26	----	----
	150	SCH40	6.625	168.3	0.280	7.11	18.99	28.26	19.34	28.58
8	200	SCH40	8.625	219.1	0.322	8.18	28.58	42.55	----	----
10	250	SCH40	10.750	273.0	0.365	9.27	40.52	60.29	----	----
12	300	STD	12.750	323.8	0.375	9.52	49.61	73.78	----	----
		SCH40	12.750	323.8	0.406	10.31	53.57	79.70	----	----
14	350	STD	14.000	355.6	0.375	9.52	54.62	81.25	----	----
		SCH40	14.000	355.6	0.438	11.13	63.50	94.55	----	----
16	400	STD	16.000	406.4	0.375	9.52	62.64	93.17	----	----
		SCH40	16.000	406.4	0.500	12.70	82.85	123.30	----	----
18	450	STD	18.000	457	0.375	9.52	70.65	105.10	----	----
		SCH40	18.000	457	0.562	14.27	104.76	155.87	----	----
20	500	STD	20.000	508	0.375	9.52	78.67	117.02	----	----
		SCH40	20.000	508	0.594	15.09	123.23	183.42	----	----
24	600	STD	24.000	610	0.375	9.52	94.71	140.88	----	----
		SCH40	24.000	610	0.688	17.48	171.45	255.24	----	----

Outside diameter tolerances:

+/- .0156 in. (.4mm) for trade sizes 1 1/2" and below
 +/- 1% for trade sizes 2" and above

Wall thickness tolerances:

+/- 12.5% All pipe threads conform to ANSI B1.20.1. Merchant couplings comply with ASTM A 865.

ISO 65 LIGHT SERIES

Normal Size	Outside Dia.		Thickness (Mm)	Mass of pipe (Kg./Mtr)			
	(Max) (Mm)	(Min) (Mm)		plain end	screwed & Socketed		
	L 1/2	15	21.7			21	2.3
I 3/4	20	27.1	26.4	2.3	1.39	1.4	
G 1	25	34	33.2	2.9	2.2	2.22	
H 1-1/4	32	42.7	41.9	2.9	2.82	2.85	
T 1-1/2	40	48.6	47.8	2.9	3.24	3.28	
	2	50	60.7	59.6	3.2	4.49	4.56
1 2-1/2	65	76.3	75.2	3.2	5.73	5.85	
	3	80	89.4	87.9	3.6	7.55	7.72
	4	100	114.9	113	4	10.8	11.1
L 1/2	15	21.4	21.1	2	0.947	0.956	
I 3/4	20	26.9	26.4	2.3	1.38	1.39	
G 1	25	33.8	33.2	2.6	1.98	2	
H 1-1/4	32	42.5	41.9	2.6	2.54	2.57	
T 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 2-1/2	65	76	75.2	3.2	5.71	5.83	
	3	80	88.7	87.9	3.2	6.72	6.89
	4	100	113.9	113	3.6	9.75	10

DIN 2440 / 2444 : Black & Galvanized Steel Pipe (medium)

Nominal size (DN)	Designation of Thread	Outside Diameter		Wall Thickness mm.	Weight	
		Max mm.	Min mm.		Plain Ends kg/m	Threads & Coupling kg/m
10	3/8	17.2	16.7	2.35	0.852	0.858
15	1/2	21.8	21.0	2.65	1.22	1.23
20	3/4	27.3	26.5	2.65	1.58	1.59
25	1	34.2	33.3	3.25	2.44	2.46
32	1 1/4	42.9	42.0	3.25	3.14	3.17
40	1 1/2	48.8	47.9	3.25	3.61	3.65
50	2	60.8	59.7	3.65	5.10	5.17
65	2 1/2	76.6	75.3	3.65	6.51	6.63
80	3	89.5	88.0	4.05	8.47	8.64
100	4	115.0	113.1	4.50	12.1	12.4
125	5	140.8	138.5	4.85	16.2	16.7
150	6	166.5	163.9	4.85	19.2	19.8

Outside diameter tolerances:

+/- .0156 in. (.4mm) for trade sizes 1 1/2" and below
 +/- 1% for trade sizes 2" and above

Wall thickness tolerances: +/- 12.5%

Class	Nominal Bore		Outside Diameter				Wall		Nominal Weight (Mass) per unit Length					
			Max.		Min.		Thickness		Plain End			Screwed & Socketed		
	inch	mm	inch	mm	inch	mm	inch	mm	Kg/m	M/ton	ft/ton	Kg/m	M/ton	ft/ton
L	1/2	15	0.843	21.4	0.827	21.0	0.079	2.0	0.947	1056	3465	0.956	1046	3432
	3/4	20	1.059	26.9	1.039	26.4	0.091	2.3	1.380	725	2379	1.390	719	2359
I	1	25	1.331	33.8	1.307	33.2	0.102	2.6	1.980	505	1657	2.000	500	1641
	1 ^{1/4}	32	1.673	42.5	1.650	41.9	0.102	2.6	2.540	394	1293	2.570	389	1276
G	1 ^{1/2}	40	1.906	48.4	1.882	47.8	0.114	2.9	3.230	310	1017	3.270	306	1004
	2	50	2.370	60.2	2.346	59.6	0.114	2.9	4.080	245	804	4.150	241	791
H	2 ^{1/2}	65	2.992	76.0	2.961	75.2	0.126	3.2	5.710	175	574	5.830	172	564
	3	80	3.492	88.7	3.461	87.9	0.126	3.2	6.720	149	489	6.890	145	476
T (A)	4	100	4.484	113.9	4.449	113.0	0.142	3.6	9.750	103	338	10.000	100	328
	1/2	15	0.854	21.7	0.831	21.1	0.102	2.6	1.210	826	2710	1.220	820	2690
M	3/4	20	1.071	27.2	1.047	26.6	0.102	2.6	1.560	641	2103	1.570	637	2090
	1	25	1.346	34.2	1.315	33.4	0.126	3.2	2.410	415	1362	2.430	412	1352
E	1 ^{1/4}	32	1.689	42.9	1.657	42.1	0.126	3.2	3.100	323	1060	3.130	319	1047
	1 ^{1/2}	40	1.921	48.8	1.890	48.0	0.126	3.2	3.570	280	919	3.610	277	909
D	2	50	2.394	60.8	2.354	59.8	0.142	3.6	5.030	199	653	5.100	196	643
	2 ^{1/2}	65	3.016	76.6	2.969	75.4	0.157	3.6	6.430	156	512	6.550	153	502
I	3	80	3.524	89.5	3.469	88.1	0.177	4.0	8.370	119	390	8.540	117	384
	4	100	4.524	114.9	4.461	113.3	0.177	4.5	12.200	82	269	12.500	80	262
U	5	125	5.535	140.6	5.461	138.7	0.197	5.0	16.600	60	197	17.100	58	190
	6	130	6.539	166.1	6.461	164.1	0.197	5.0	19.700	51	167	20.300	49	161
M (B)	1/2	15	0.854	21.7	0.831	21.1	0.126	3.20	1.440	694	2277	1.450	690	2264
	3/4	20	1.071	27.2	1.047	26.6	0.126	3.20	1.870	535	1755	1.880	535	1755
H	1	25	1.346	34.2	1.315	33.4	0.157	4.00	2.940	340	1116	2.960	340	1116
	1 ^{1/4}	32	1.689	42.9	1.657	42.1	0.157	4.00	3.800	263	863	3.830	263	863
E	1 ^{1/2}	40	1.921	48.8	1.890	48.0	0.157	4.00	4.380	228	748	4.420	228	748
	2	50	2.394	60.8	2.354	59.8	0.177	4.50	6.190	162	532	6.260	162	532
A	2 ^{1/2}	65	3.016	76.6	2.969	75.4	0.177	4.50	7.930	126	413	8.050	126	413
	3	80	3.524	89.5	3.469	88.1	0.197	5.00	10.300	97	318	10.500	97	318
V	4	100	4.524	114.9	4.461	113.3	0.213	5.40	14.500	69	226	14.800	69	226
	5	125	5.535	140.6	5.461	138.7	0.213	5.40	17.900	56	184	18.400	56	184
Y (C)	6	150	6.539	166.1	6.461	164.1	0.213	5.40	21.300	47	154	21.900	47	154

Wall thickness tolerances: LIGHT: +/- 8% MEDIUM AND HEAVY: +/- 10%
 All pipe threads conform to BS 21.

	Designation	O.D.	Thickness	I.D.	Mass	Mass	Threaded lengths	
		mm	mm	Mm	Kg/m	Kg/pcs	Max.mm	Min.mm
Thick steel conduit screw thread								
CTG	G16	21.0	2.3	16.4	1.06	3.88	19	16
	G22	26.5	2.3	21.9	1.37	5.01	22	19
	G28	33.3	2.5	28.3	1.90	6.95	25	22
	G36	41.9	2.5	36.9	2.43	8.89	28	25
	G42	47.8	2.5	42.8	2.79	10.2	28	25
	G54	59.6	2.8	54.0	3.92	14.3	32	28
	G70	75.2	2.8	69.6	5.00	18.3	36	32
	G82	87.9	2.8	82.3	5.88	21.5	40	36
	G92	100.7	3.5	93.7	8.39	30.7	42	36
	G104	113.4	3.5	106.4	9.48	34.7	45	39
Thin steel conduit screw thread								
CTC	C19	19.1	1.6	15.9	0.690	2.53	14	12
	C25	25.4	1.6	22.2	0.939	3.44	17	15
	C31	31.8	1.6	28.6	1.19	4.36	19	17
	C39	38.1	1.6	34.9	1.44	5.27	21	19
	C51	50.8	1.6	47.6	1.94	7.10	24	22
	C63	63.5	2.0	59.5	3.03	11.1	27	25
	C75	76.2	2.0	72.2	3.66	13.4	30	28
Steel conduit threadless								
CPE	E19	19.1	1.2	16.7	0.530	1.94	----	----
	E25	25.4	1.2	23.0	0.716	2.62	----	----
	E31	31.8	1.4	29.0	1.05	3.84	----	----
	E39	38.1	1.4	35.3	1.27	4.65	----	----
	E51	50.8	1.4	48.0	1.71	6.26	----	----
	E63	63.5	1.6	60.3	2.44	8.93	----	----
	E75	76.2	1.8	72.6	3.30	12.1	----	----
Remarks: standard lengths:3.66m								

Galvanized/Commercial Quality Steel Tubing

ROUND (in inches)Nominal decimal for ordering gauge		Weight Per Foot Chart (lbs.)															
Outside Diameter	Equiv. Sizes	22	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6
		.028	.035	.042	.049	.058	.065	.072	.083	.095	.109	.120	.134	.148	.165	.180	.203
.500		.1413	.1740	.2056	.2362	.2740	.3023										
.625		.1787	.2207	.2618	.3017	.3516	.3891										
.706	1/2" EMT	.2029	.2511	.2981	.3441	.4018	.4454										
.750		.2161	.2675	.3179	.3672	.4291	.4760	.5218									
.815	1/2" IMC	.2356	.2918	.3471	.4012	.4694	.5211	.5719	.6495								
.870		.2520	.3124	.3718	.4300	.5035	.5594	.6142									
.875		.2535	.3143	.3740	.4327	.5066	.5628	.6181									
.922	3/4" EMT	.2676	.3319	.3951	.4573	.5357	.5955	.6542	.7444								
.980		.2850	.3535	.4211	.4877	.5717	.6358	.6989	.7959								
.995		.2894	.3592	.4279	.4955	.5810	.6462	.7104	.8092	.9140							
1.000		.2909	.3611	.4301	.4981	.5841	.6497	.7143	.8136	.9191							
1.029		.2996	.3719	.4431	.5133	.6020	.6698	.7366	.8394	.9485							
1.050	3/4 NPS	.3059	.3798	.4526	.5243	.6151	.6844	.7527	.8580	.9699							
1.125		.3284	.4078	.4862	.5636	.6616	.7365	.8105	.9245								
1.163	1" EMT	.4220	.5033	.5835	.6851	.7629	.8397	.9583	1.0846								
1.187			.5141	.5961	.7000	.7796											
1.250		.4546	.5424	.6291	.7391	.8234	.9067	1.0354	1.1730	1.3295	1.4496	1.5986					
1.290	1" IMC		.5603	.6500	.7639	.8512	.9375	1.0709	1.2136	1.3761	1.5009	1.6559					
1.315	1 NPS	.4789	.5716	.6631	.7794	.8686	.9567	1.0931	1.2390	1.4052	1.5329	1.6917					
1.375		.5014	.5985	.6946	.8166	.9103	1.0029	1.1464									
1.500		.5481	.6546	.7600	.8941	.9971	1.0991	1.2573	1.4268	1.6208	1.7703	1.9567					
1.510	1 1/4" EMT	.5519	.6591	.7653	.9003	1.0041	1.1068	1.2661	1.4370	1.6325	1.7831	1.9711					
1.625		.5949	.7107	.8255	.9716	1.0840	1.1953	1.3682	1.5538	1.7665	1.9306	2.1358					
1.638	1 1/4" IMC		.7166	.8323	.9796	1.0930	1.2053	1.3797	1.5670	1.7816	1.9473	2.1544					
1.660	1 1/4 NPS	.6080	.7264	.8439	.9933	1.1083	1.2223	1.3992	1.5893	1.8072	1.9755	2.1859					
1.690					1.1291	1.2453	1.4258	1.6198	1.8422	2.0140	2.2289						
1.740	1 1/2" EMT	.6379	.7624	.8858	1.0429	1.1639	1.2838	1.4702	1.6706	1.9005	2.0781	2.3005					
1.750		.6417	.7669	.8910	1.0491	1.1708	1.2915	1.4791									
1.875					1.2577	1.3877	1.5900	1.8077	2.0578	2.2513	2.4939						
1.883	1 1/2" IMC		.8266	.9607	1.1315	1.2632	1.3939	1.5971	1.8158	2.0671	2.2616	2.5054	2.7450				
1.900	1 1/2 NPS	.6978	.8342	.9696	1.1421	1.2750	1.4070	1.6122	1.8331	2.0869	2.2834	2.5297	2.7719	3.0603			
2.000		.7352	.8791	1.0220	1.2041	1.3445	1.4839	1.7009	1.9346	2.2034	2.4117	2.6730	2.9301				
2.197	2" EMT	.9676	1.1251	1.3262	1.4814	1.6356	1.8757	2.1347	2.4330	2.6644	2.9552	3.2418					
2.360	2" IMC		1.2105	1.4273	1.5947	1.7610	2.0203	2.3002	2.6229	2.8735	3.1887	3.4996					
2.375	2 NPS		1.0475	1.2184	1.4366	1.6051	1.7726	2.0336	2.3155	2.6404	2.8927	3.2101	3.5234	3.8981	4.2236		
2.500			1.2839	1.5141	1.6920	1.8688	2.1445	2.4424	2.7860	3.0531	3.3892	3.7211					
2.750					2.0612	2.3663	2.6963	3.0773	3.3738	3.7473	4.1167						
2.857	2 1/2" IMC				2.1436	2.4613	2.8049	3.2020	3.5110	3.9006	4.2860	4.7483	5.1511	5.7594			
2.875	2 1/2 NPS				2.1574	2.4773	2.8232	3.2230	3.5341	3.9264	4.3144	4.7800	5.1857	5.7984			
3.000					2.2536	2.5882	2.9502	3.3686	3.6945	4.1054	4.5122	5.0005	5.4262	6.0679			
3.476	3" IMC				2.6200	3.0105	3.4336	3.9233	4.3051	4.7873	5.2653	5.8401	6.3422	7.1026			
3.500	3 NPS				2.6385	3.0318	3.4579	3.9512	4.3359	4.8217	5.3033	5.8824	6.3883	7.1547			
3.971	3 1/2" IMC				68	3.4497	3.9363	4.5000	4.9401	5.4963	6.0484	6.7132	7.2946	8.1768			
4.000	3 1/2 NPS					3.0233	3.4754	3.9657	4.5338	4.9773	5.5379	6.0943	6.7644	7.3504	8.2398		
4.466	4" IMC					3.3820	3.8889	4.4390	5.0768	5.5750	6.2054	6.8316	7.5863	8.2471	9.2510		
4.500	4 NPS					3.4081	3.9191	4.4735	5.1164	5.6187	6.2541	6.8854	7.6463	8.3125	9.3248		
5.000	4 1/2 NPS							4.9813	5.6990	6.2601	6.9704	7.6764	8.5282	9.2746	10.4098		

SHAPES		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6
Size	Shape	.035	.042	.049	.058	.065	.072	.083	.095	.109	.120	.134	.148	.165	.180	.203
.625	SQ	.2810	.3333	.3841	.4476	.4954										
.750	SQ	.3406	.4047	.4675	.5463	.6060	.6644	.7535								
.813	SQ	.3706	.4407	.5095	.5960	.6617	.7261	.8246								
.875	SQ	.4001	.4762	.5509	.6449	.7166	.7869	.8947								
1.000	SQ	.4597	.5476	.6342	.7436	.8271	.9094	1.0359	1.1701	1.3218						
1.250	SQ	.5788	.6905	.8009	.9409	1.0483	1.1543	1.3183	1.4934	1.6927						
1.500	SQ	.6979	.8334	.9677	1.1383	1.2695	1.3993	1.6007	1.8166	2.0635	2.2538					
1.625	SQ					1.3801	1.5218	1.7419	1.9782	2.2490	2.4580					
1.750	SQ						1.6443	1.8831	2.1398	2.4344	2.6621					
2.000	SQ				1.7118	1.8893	2.1655	2.4631	2.8053	3.0704	3.4031	3.7304	4.1208	4.4586		
2.188	SQ										3.7451					
2.250	SQ						2.1343	2.4479	2.7863	3.1762	3.4787	3.8590	4.234	4.6822	5.0711	5.6555
2.500	SQ						2.3792	2.7303	3.1095	3.5470	3.8870	4.3150	4.7376	5.2436	5.6835	6.3462
3.000	SQ							3.2951	3.7560	4.2888	4.7036	5.2268	5.7447	6.3664	6.9084	
4.000	SQ							4.4248	5.0490	5.7723	6.3368	7.0506	7.7590	8.6121	9.3582	10.4905
.625x1.125	RCT	.4001	.4762	.5509	.6449	.7166										
.750x1.500	RCT	.5192	.6191	.7176	.8423	.9377										
1.000x1.750	RCT	.6383	.7620	.8843	1.0396	1.1589										
1.000x2.000	RCT	.6979	.8334	.9677	1.1383	1.2695	1.3993	1.6007								
1.500x2.500	RCT			1.3011	1.5330	1.7118	1.8893	2.1655	2.4631	2.8053	3.0704					
1.500x3.000	RCT				1.9330	2.1343	2.4479	2.7863	3.1762	3.4787	3.8590					
1.500x3.500	RCT			1.6345	1.9277	2.1541	2.3792	2.7303	3.1095	3.5470	3.8870	4.3150				
1.625x3.000	RCT					1.9883	2.1955	2.5185	2.8671	3.2689	3.5808					
2.000x3.000	RCT				2.1541	2.3792	2.7303	3.1095	3.5470	3.8870	4.3150	4.7376	5.2436	5.6835		
2.000x4.000	RCT						3.2951	3.7560	4.2888	4.7036	5.2268	5.7447				

These properties are measured in tension according to methods outlined in ASTM specification E8. Elongation (in 2") properties will vary with each OD/gauge combination. Please inquire about specific product applications where minimum mechanical properties are required.

All steel tube products are manufactured per ASTM-A500. Please inquire about our ability to meet ASTM-A513 and other tube specifications.

Chenghe pipe welcomes inquiries for additional sizes and shapes, both commercial quality and galvanized.