



Walton Steel Plastic Pipe



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Introductions

Zhongshan Walton Coating Plastic Steel Pipe Company Limited was founded in 1994, well known as one of the best producers of steel pipes in Southern China. It covers an area of 55,000 square meters and locates in the Pearl River Delta where the transportation is very convenient.

Walton is professional in manufacturing various products such as: Hot dip galvanized / Black steel pipe; Galvanized conduits for wire protection(lamp larynx); Plastic lined steel pipe; Plastic coated steel pipe (inner side); Plastic coated steel pipe (both sides); ERW galvanized steel pipe; Accessories for pipes, etc.

Among all products, plastic coated steel pipe and Plastic lined steel pipe for water supply are new-models, attaching the importance to environmental protection. Walton's products are not only popular in China, but also sold all over the world, such as United States, England, Australia, Thailand, Singapore, Hong Kong, Taiwan and Macao, etc.

Our products have passed the quality system ISO 9001:2000. They are produced strictly according to different standard to meet the needs of different markets, having been inspected and authorized by certain authoritative institutions (China National Steel Product Quality Inspection Center; Hong Kong Steel Inspection & Test Center; Hong Kong Government Architectural Authority; British Standard Test Service Center; British Water Authority and U.S. U.L. Inspection Center).



Our company has been awarded the title of “most trustworthy enterprise” by Guangdong Quality supervision and Inspection Ministry and China national Quality supervision and Inspection Ministry . In April 2008, we were combined with the famous group “LIANSU” in China, which is specialized in producing Plastic pipes, Plastic machines and building appliance electric. Now our group is the biggest pipe manufacturer in China.

We consider “high quality products and best quality service” as our principle and policy. With our courageous progress and non-stop striving spirit, we assure our customers to achieve win-win situation jointly.

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Hot Dip Galvanized Steel Pipes



Advantages

- The color of surface for both sides is well distributed and bright.
- The seam of welding is small and smooth.
- The zinc we used is with high quality, its brand No. is 9.999, with highly corrosion resistant.
- The surface of each product is handled with special skills for corrosion prevention, and the lifetime is improved accordingly.

Applications

Hot dip galvanized pipes can be used for water supply, gas supply, petrol supply, steam supply and air compression. It is extensively used in the field of machinery and constructions.

Dimensions

Hot Dip Galvanized Steel Pipe (Standard: BS1387-1985)

Nominal Diameter		Wall thickness (mm)			Outside Diameter(mm)						Weight kg/m Black pipe, Plain End			Thread	
					Max.			Min.							
mm	in	A	B	C	A	B	C	A	B	C	A	B	C	Thread Number/Inch	Length(mm)
15	1/2	2.0	2.6	3.2	21.4	21.7	21.7	21.0	21.1	21.1	0.947	1.21	1.44	14	11.4~15.0
20	3/4	2.3	2.6	3.2	26.9	27.2	27.2	26.4	26.6	26.6	1.38	1.56	1.87	14	12.7~16.3
25	1	2.6	3.2	4.0	33.8	34.2	34.2	33.2	33.4	33.4	1.98	2.41	2.94	11	14.5~19.1
32	1 1/4	2.6	3.2	4.0	42.5	42.9	42.9	41.9	42.1	42.1	2.54	3.10	3.80	11	16.8~21.4
40	1 1/2	2.9	3.2	4.0	48.4	48.8	48.8	47.8	48.0	48.0	3.23	3.57	4.38	11	16.8~21.4
50	2	2.9	3.6	4.5	60.2	60.8	60.8	59.6	59.8	59.8	4.08	5.03	6.19	11	21.1~25.7
65	2 1/2	3.2	3.6	4.5	76.0	76.6	76.6	75.2	75.4	75.4	5.71	6.43	7.93	11	23.2~30.2
80	3	3.2	4.0	5.0	88.7	89.5	89.5	87.9	88.1	88.1	6.72	8.37	10.3	11	26.3~33.3
100	4	3.6	4.5	5.4	113.9	114.9	114.9	113.0	113.3	113.3	9.75	12.1	14.5	11	32.3~39.3
125	5		5.0	5.4		140.6	140.6		138.7	138.7		16.6	17.9	11	36.6~43.6
150	6		5.0	5.4		166.1	166.1		164.1	164.1		19.7	21.3	11	36.6~43.6

Hot Dip Galvanized Steel Pipes

Hot Dip Galvanized Steel Pipe (Standard: ASTM A53 / A53M-2002)

Nominal Diameter		Outside Diameter in.(mm)	Nominal Wall Thickness in.(mm)		Weight Class	Schedule Number	Gr.A Test pressure psi(KPa)	Nominal Weight[Mass] per Unit Length, Plain End. Lb/ft(kg/m)
DN	NPS	Size	Size	Tolerance				
15	1/2	0.840(21.3)	0.109(2.77)	-12.5%	STD	40	700(4800)	0.85(1.27)
20	3/4	1.050(26.7)	0.113(2.87)		STD	40	700(4800)	1.13(1.69)
25	1	1.315(33.4)	0.133(3.38)		STD	40	700(4800)	1.68(2.50)
32	1 1/4	1.660(42.2)	0.140(3.56)		STD	40	1200(8300)	2.27(3.39)
40	1 1/2	1.900(48.3)	0.145(3.68)		STD	40	1200(8300)	2.72(4.05)
50	2	2.375(60.3)	0.154(3.91)		STD	40	2300(15900)	3.66(5.44)
65	2 1/2	2.875(73.0)	0.203(5.16)		STD	40	2500(17200)	5.80(8.63)
80	3	3.500(88.9)	0.216(5.49)		STD	40	2220(15300)	7.58(11.29)
100	4	4.500(114.3)	0.237(6.02)		STD	40	1900(13100)	10.80(16.07)

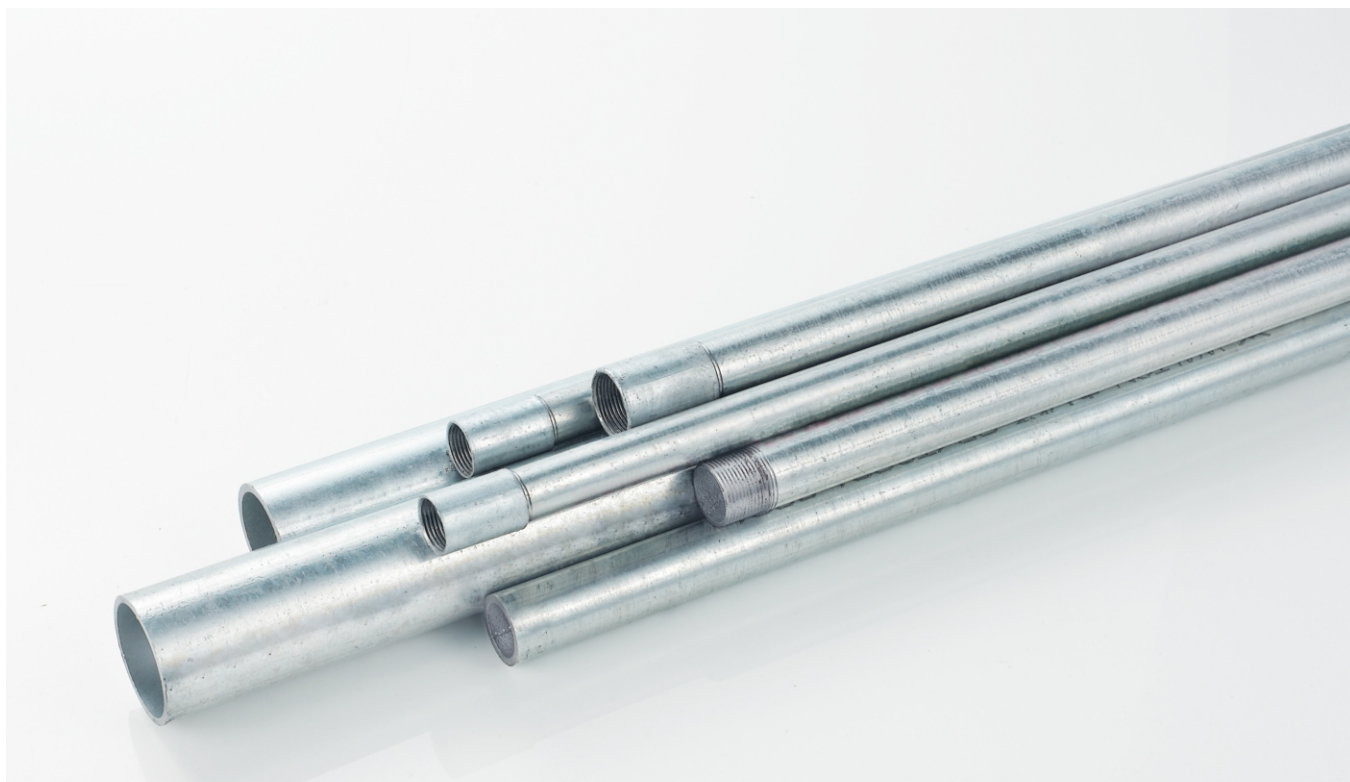
- Average weight of zinc coating of galvanized pipes of 550g/m² and over
- Length tolerance of pipe: +25mm/0
- Length of pipe: 10',18',20',21',24' or according to customers' order

Hot Dip Galvanized Steel Pipe (Standard: GB/T3091-2001)

Nominal Diameter		Outside Diameter		Ordinary Steel Pipe			Extra Strong Pipe		
mm	inch	Nominal Dimension (mm)	Tolerance (%)	Wall Thickness		Theoretic Weight (kg/m)	Wall Thickness		Theoretic Weight (kg/m)
				Nominal Dimension (mm)	Tolerance (%)		Nominal Dimension (mm)	Tolerance (%)	
15	1/2	21.3	0.50mm	2.8	12.5%	1.28	3.5	12.5%	1.54
20	3/4	26.9	0.50mm	2.8		1.66	3.5		2.02
25	1	33.7	0.50mm	3.2		2.41	4.0		2.93
32	1 1/4	42.4	0.50mm	3.5		3.36	4.0		3.79
40	1 1/2	48.3	0.50mm	3.5		3.87	4.5		4.86
50	2	60.3	1.0%	3.8		5.29	4.5		6.19
65	2 1/2	76.1	1.0%	4.0		7.11	4.5		7.95
80	3	88.9	1.0%	4.0		8.38	5.0		10.35
100	4	114.3	1.0%	4.0		10.88	5.0		13.48
125	5	139.7	1.0%	4.0		13.39	5.5		18.20
150	6	168.3	1.0%	4.5		18.18	6.0		24.02

NOTE: For the galvanization of both sides, the metallurgical structure is compact, well-distributed. Do not peel off after cold-bending by 90 degree X 6D. They are corrosion preventive, the life time is 10 times more than the black pipes (not galvanized pipes). If used properly, the life time is about 30 years. The size accuracy is perfect, the tolerance is very small. Both ends are smooth, removed burrs. The hexangular packing is strong and regular.

Galvanized Steel conduit for wire protection

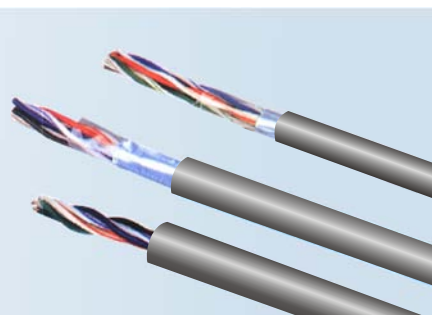
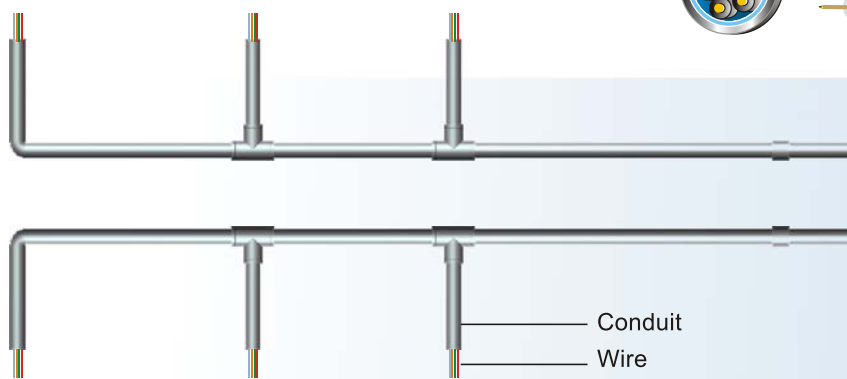


Advantages

- The color of surface for both sides is well distributed and bright.
- The seam of welding is small and smooth.
- The zinc we used is with high quality, its brand No. is 9.999, with highly corrosion resistant.
- The surface of each product is handled with special skills for corrosion prevention, and the lifetime is improved accordingly.

Applications

Liansu galvanized Steel conduit for protection of wires are extensively used in the telecom, electric and other fields.



Galvanized Steel conduit for wire protection

Galvanized Steel Conduit for Wire Protection (Standard: BS4568-1970)

Nominal Diameter (mm)	Outside Diameter (mm)		Wall Thickness (mm)	Length of Thread (mm)		Weight(kg/m)			
	Min.	Max.		Min.	Max.	Class1, 2, 3		Class4	
						Min.	Max.	Min.	Max.
16	15.70	16.0	1.4±0.10	11.5	13.5	0.452	0.531	0.483	0.594
20	19.7	20.0	1.6±0.15	13.0	15.0	0.643	0.783	0.682	0.862
25	24.6	25.0	1.6±0.15	16.0	18.0	0.811	0.995	0.860	1.095
32	31.6	32.0	1.6±0.15	18.0	20.0	1.069	1.301	1.133	1.432
40	39.5	40.0	1.6±0.15	19.0	22.0				
50	49.5	50.0	1.6±0.15	19.0	22.0				

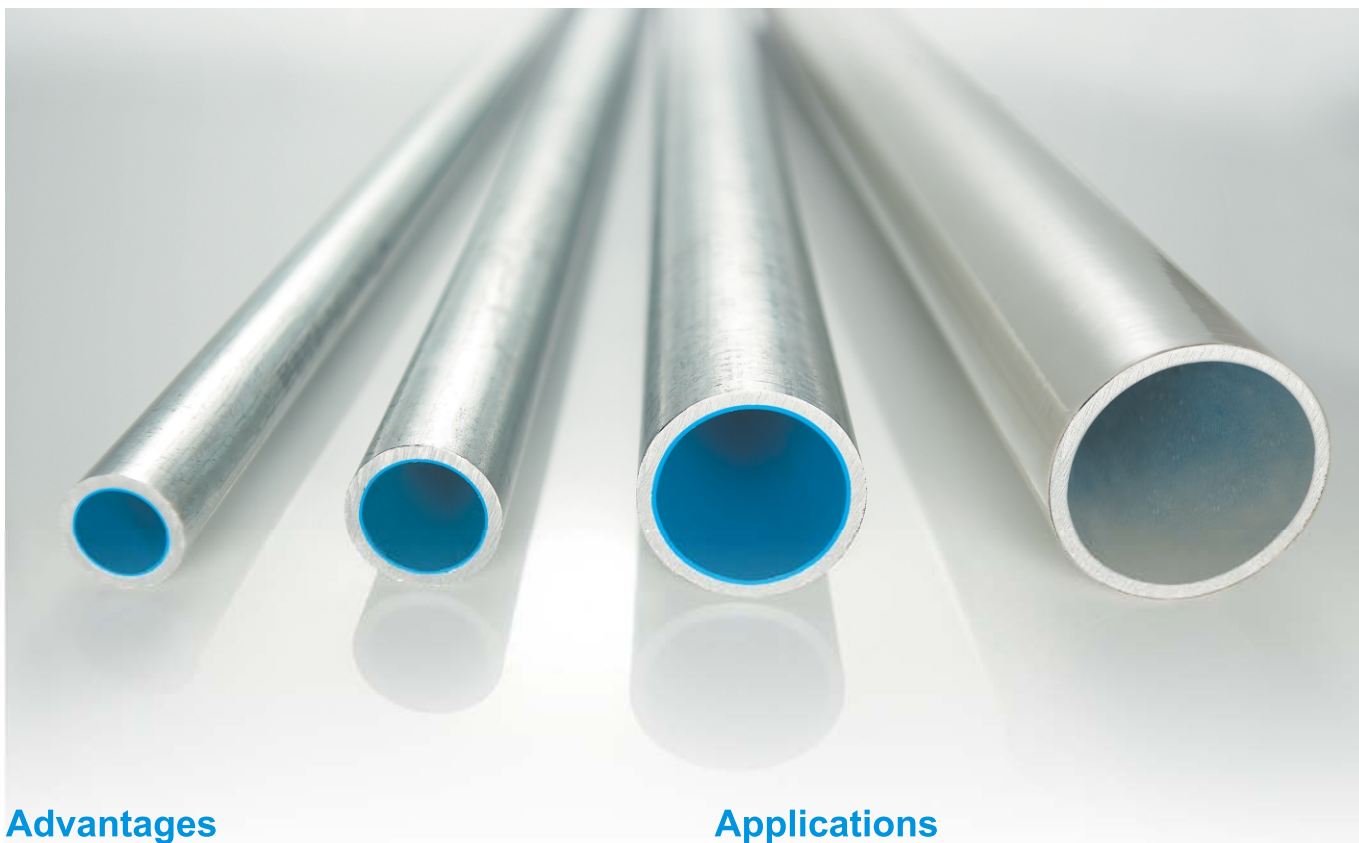
Galvanized Steel Conduit for Wire Protection (Standard: IEC60614-2-1)

Nominal Diameter (mm)	Max. (Mm)	Min. (Mm)	Wall Thickness (mm)	Length of Thread (mm)	
				Standard Length	Tolerance
16			1.4 ±0.15	13 ±3	+1 -5
20	20.0	19.7	1.6 ±0.15	14 ±3	
25	25.0	24.6	1.6 ±0.15	17 ±3	
32	32.0	31.6	1.6 ±0.15	19 ±3	
40	40.0	39.6	1.6 ±0.15	19 ±3	
50	50.0	49.5	1.6 ±0.15	19 ±3	
63			1.8 ±0.15	19 ±3	

Galvanized Steel Conduit for Wire Protection (Standard: UL797-2000)

Nominal diameter (mm)		External Diameter in.(mm)		Wall Thickness in.(mm)		Maximum Length ft(m)	Approx.Weight (kg/m)
Trade	Metric	Size	Tolerance	Size	Tolerance		
1/2	16	0.706(17.93)	0.005(0.13)	0.042(1.07)	-5%,+10%	10' 1/4"(3.05)	0.439
3/4	21	0.922(23.42)		0.049(1.24)		10' 1/4"(3.05)	0.669
1	27	1.163(29.54)		0.057(1.45)		15' 1/4"(4.58)	0.990
1 1/4	35	1.510(38.35)		0.065(1.65)		15' 1/4"(4.58)	1.469
1 1/2	41	1.710(44.20)		0.065(1.65)		15' 1/4"(4.58)	1.698
2	53	2.197(55.80)	0.010(0.25)	0.065(1.65)		15' 1/4"(4.58)	2.170
2 1/2	63	2.875(73.03)		0.072(1.83)		20' 1/4"(6.10)	3.177
3	78	3.500(88.90)	0.015(0.38)	0.072(1.83)		20' 1/4"(6.10)	3.879
4	103	4.500(114.30)	0.020(0.50)	0.083(2.11)		20' 1/4"(6.10)	5.750

Plastic Coated Steel Pipe for Water Supply



Advantages

Excellent Resistance to Corrosion

With strong adhesive force, excellent compactness and sound resistance to corrosion, the inner plastic layer of the plastic coated compound steel pipe can effectively prolongs the lifetime of the pipe. In general circumstances, the galvanizing coat is effectively resistant to the corrosion. But, under a bad working environment such as an acid environment the plastic coated compound steel pipe is much better than the hot dip galvanized pipe.

Excellent Mechanical Strength

With an excellent mechanical strength as the one of the hot-dip galvanizing steel pipe, the plastic coated compound steel pipe can effectively bear such outside influences as impact, bending, pressure, etc.

Good Sanitary Property

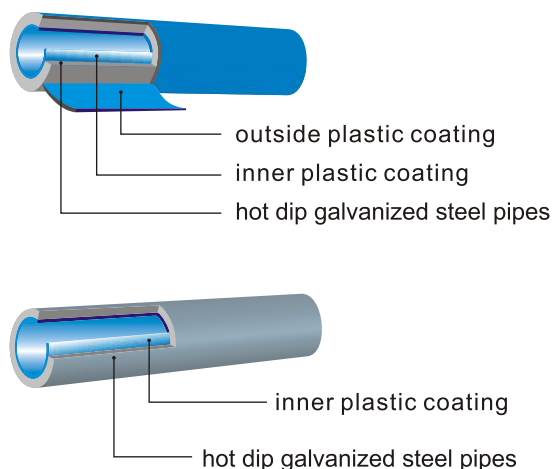
Made of polythene or epoxy resin powder, the plastic layer is non-poisonous, tasteless, causing no pollution to water, perfectly up to the state standards for the domestic water conduit pipe.

Small Fluid Resistance

With a smooth inner wall and small friction, the plastic coated compound steel pipe for water supply is hard to accumulate water-scale and has small fluid resistance, never blocks the water flow.

Applications

The plastic-coated compound steel pipe is extensively applied to the civil water supply, industrial water supply, fire fighting, sewage transportation, communication circuit, optical cables, gas transportation, foodstuff process, medicine and machinery fields, is an ideal product for the urban water supply.



Plastic Coated Steel Pipe for Water Supply

Dimensions

Plastic Coated Steel Pipe (Standard: CJ/T120-2000 CJ/WT120-2005)

Nominal Size		Wall Thickness (mm)			Outer Diameter (mm)						Coating Thickness (mm)
					Max.			Min.			
mm	Inch	A	B	C	A	B	C	A	B	C	
15	1/2	2.0	2.6	3.2	21.4	21.7	21.7	21.0	21.1	21.1	> 0.30
20	3/4	2.3	2.6	3.2	26.9	27.2	27.2	26.4	26.6	26.6	> 0.30
25	1	2.6	3.2	4.0	33.8	34.2	34.2	33.2	33.4	33.4	> 0.30
32	1 1/4	2.6	3.2	4.0	42.5	42.9	42.9	41.9	42.1	42.1	> 0.35
40	1 1/2	2.9	3.2	4.0	48.4	48.8	48.8	47.8	48.0	48.0	> 0.35
50	2	2.9	3.6	4.5	60.2	60.8	60.8	59.6	59.8	59.8	> 0.35
65	2 1/2	3.2	3.6	4.5	88.7	89.5	89.5	87.9	88.1	88.1	> 0.40
80	3	3.2	4.0	4.5	88.7	89.5	89.5	87.9	88.1	88.1	> 0.40
100	4	3.6	4.0	4.5	113.9	114.9	114.9	113.0	133.3	133.3	> 0.40
125	5	4.2	4.5	5.0	139.1	140.6	140.6	138.0	138.7	138.7	> 0.45
150	6	4.2	4.5	5.0	164.4	166.1	166.1	16.3	164.1	164.1	> 0.45
200	8	5.0	6.0			220.9	220.9		217.6	217.6	> 0.45

NOTE: The above mentioned wall thickness is the wall thickness of the hot-dip galvanizing compound steel pipe, which is the total thickness of the hot dip galvanizing pipe and the coating. The length can be made to order.

The physical & chemical property

Item	Requirements
Pinhole Test	Under 1500V voltage, there is no electric spark or puncture.
High/Low Temperature Cycle Test	The coating isn't softened or peeled off.
Adhesive Test	2kgf/cm ²
Bending Test (Diameter ≤50mm)	No spalls or fracture appears on the 8D bend diameter coating.
Flattening Test (Diameter ≥50mm)	No peels off or fracture appears on the 4/5 of the outer diameter coating.
Impact Test	No peels-off or fracture appears on the coating.
Turbidity	≤ 0.5
Angle	≤ 1
Consumption of Potassium Permanganate (mg/l)	≤ 2
Decrease of the Rest Oxygen (mg/l)	≤ 0.7
Smell	Normal
Taste	Normal
Experimental Temperature of the inner coat	-25℃ -55℃
Physical Index of the Steel Tube	Up to BS1387-1985
Sanitary Index of the Steel Tube	Up to BS6920-2000 , GB/T17219

Plastic Lined Steel Pipe for Water Supply



Advantages

Excellent resistance to corrosion:

With strong adhesive force, excellent compactness and sound resistance to corrosion, the inner plastic layer of the plastic-lined compound steel pipe can effectively prolongs the service life of the pipeline. In general circumstances, the galvanizing coat is effectively resistant to the corrosion. But, under a bad working environment such as an acid environment the plastic-coated compound steel pipe should be employed.

Excellent mechanical strength:

With an excellent mechanical strength as the one of the hot-dip galvanizing steel pipe, the plastic-lined compound steel pipe can effectively bear such outside influences as impact, bending, pressure, etc.

Good sanitary property:

Made of polythene or epoxy resin powder, the plastic layer is non-poisonous, tasteless, causing no pollution to water, perfectly up to the state standards for the domestic water conduit pipe.

Small fluid resistance

With a smooth inner wall and a small friction, the plastic-lined compound steel pipe for water supply is hard to accumulate scales and has a small fluid resistance, never jamming the water flow.

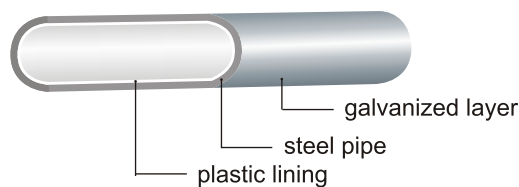
Carrier temperature:

Cold water pipe $\leq 60^\circ\text{C}$ Hot water pipe $\leq 90^\circ\text{C}$

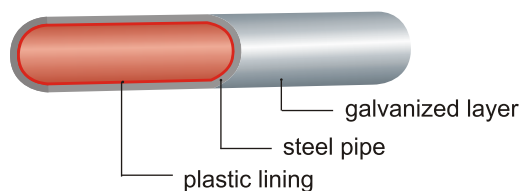
Applications

The plastic-lined compound steel pipe is extensively applied to the civil water supply, industrial water supply, fire fighting, sewage transportation, communication circuit, optical fiber cable, coal gas transportation, foodstuff process, medicine and machinery fields, especially an ideal product for the urban water supply.

Cold Water Pipe



Hot Water Pipe



Plastic Lined Steel Pipe for Water Supply

Dimensions

Plastic lined steel pipe for water supply (Standard: CJ-T136-2001, CJ/WT136-2005)

Nominal diameter (mm)		Plastic lined Pipe		Plastic Lined Steel Pipe	
DN	IN	Wall Thickness (mm)	Inner Diameter (mm)	Deviation (mm)	Length (mm)
15	1/2	1.5 ±2.0	12.8	+0.6-0.0	6000 +20 -0.0
20	3/4		18.3	+0.6 -0.0	
25	1		24.0	+0.8 -0.0	
32	1 1/4		32.8	+0.8 -0.0	
40	1 1/2		38.0	+1.0 -0.0	
50	2		50.0	+1.0 -0.0	
65	2 1/2		76.5	+1.2 -0.0	
80	3	2.0 ±0.2	76.5	+1.4 -0.0	
100	4		102	+1.4 -0.0	
125	5		128	+2.0 -0.0	
150	6	2.5 ±0.2	151	+2.0 -0.0	

NOTE: Upon special requirement, the length of the pipe can be negotiated between the buyer and the seller. Also, whether there is screw thread on the pipe end can be negotiated.

The Physical & Chemical Properties

Testing Items	Sample Diameter (mm)	Sampling Length (mm)	Testing Method	Requirements
Bond-strength Test	15-50	20	Extrude the plastic layer within the tube.	Cold Water Pipe $\geq 2\text{Mpa}$ Hot Water Pipe $\geq 1.0\text{Mpa}$
Flattening Test	> 50	50	Compress the diameter to 3/4D	No abscission layer appears between the steel layer and the plastic layer.
Cold/Heat Cycle Test	15-150	20	First put the pipe in $90\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ hot water for 30mins, then cool it for 10mins; Next, put it in the cold water of $5\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ for 30mins, then drag it out and lay it aside for 10mins. Do in this way for three times. After that, take 20mm from it for the bond-strength test.	Bond-strength $\geq 0.2\text{MPa}$
Bend Test	15-40	600	Bend it by 90. The bending diameter is 8D.	No separation.

Steel Pipe Fittings

Hot Dip Galvanized Steel Pipe Fittings



Description: Coupling
Size: 1/2" - 6"
15-150mm



Reducer
3/4" × 1/2" - 6" × 4"
20 × 15 - 150 × 100mm



90° Elbow
1/2" - 6"
15 - 150mm



45° Elbow
1/2" - 6"
15 - 150mm



90° Reducing Elbow
3/4" × 1/2" - 6" × 4"
20 × 15 - 150 × 100mm



Tee
1/2" - 6"
15 - 150mm



Reducing Tee
3/4" × 1/2" - 6" × 4"
20 × 15 - 150 × 100mm



Cross
1/2" - 4"
15 - 100mm



Union
1/2" - 6"
15 - 150mm



Reducing Bushing
3/4" × 1/2" - 6" × 4"
20 × 15 - 150 × 100mm

Plastic Coated Steel Pipe Fittings



Description: Reducer
Size: 3/4" × 1/2" - 6" × 4"
20 × 15 - 150 × 100mm



90° Elbow
1/2" - 6"
15 - 150mm



45° Elbow
1/2" - 6"
15 - 150mm



90° Reducing Elbow
3/4" × 1/2" - 6" × 4"
20 × 15 - 150 × 100mm



Tee
1/2" - 6"
15 - 150mm



Cross
1/2" - 4"
15 - 100mm



Union
1/2" - 6"
15 - 150mm



Plug
1/2" - 6"
15 - 150mm

Steel Pipe Fittings

Plastic Lined Steel Pipe Fittings



Description: Coupling
Size: 1/2" - 6"
15 - 150mm



Reducer
3/4" x 1/2" - 6" x 4"
20 x 15 - 150 x 100mm



90° Elbow
1/2" - 6"
15 - 150mm



45° Elbow
1/2" - 6"
15 - 150mm



90° Reducing Elbow
3/4" x 1/2" - 6" x 4"
20 x 15 - 150 x 100mm



Tee
1/2" - 6"
15 - 150mm



Cross
1/2" - 4"
15 - 100mm



Union
1/2" - 6"
15 - 150mm



Reducing Bushing
3/4" x 1/2" - 6" x 4"
20 x 15 - 150 x 100mm



Nipple
1/2" - 6"
15 - 150mm



Plug
1/2" - 6"
15 - 150mm

Steel Pipe Fittings

Grooved Fittings



Description:
Size:

Threaded Reducer
60.3 - 219.1mm



Grooved Reducer
76.1×60.3 - 323.9×273mm



**Threaded
Eccentric Reducer**
114.3 - 219.1mm



**Grooved
Eccentric Reducer**
114.3 - 273mm



90° Elbow
60.3 - 323.9mm



45° Elbow
60.3 - 323.9mm



22.5° Elbow
108 - 219.1mm



Tee
60.3 - 323.9mm



Grooved Reducing Tee
76.1 - 323.9mm



Cross
60.3 - 323.9mm



**Grooved
Reducing Cross**
76.1×60.3 - 219.1×165.1mm



Patch Flange
60.3 - 273mm



Adapter Flange
60.3 - 323.9mm



Threaded Flange
48.3 - 114.3mm



**Threaded
Mechanical Tee**
60.3 - 219mm



**Grooved
Mechanical Tee**
108 - 219mm



**Small Threaded
Mechanical Tee**
32x15 - 65x25mm



**Threaded
Mechanical Cross**
60 - 114mm



**Grooved
Mechanical Cross**
114.3 - 273mm



Flexible Coupling
60.3 - 426mm



Rigid Coupling
33.7 - 219.1mm



Reducing Coupling
60.3x48.3 - 219.1x168.3mm



**Rapid
Exchange Joint**
118x60.3 - 222x60.3mm



Cap
76.1 - 323.9mm

Steel Pipe Fittings

Water Meter

Description:



WM-1



WM-2



WM-3



WM-4



WM-5



WM-6



WM-7



WM-8



WM-9



WM-10



WM-11



WM-12



WM-13

Installation

Installation for End-Users

1. Cutting

For the plastic-lined compound steel pipe, when required to be cut. It's necessary to use a toothed saw (hand saw or automatic saw machine), for the compound steel pipe lined with stainless steel. Both toothed and toothless saws are applicable. When pipe is cut, the end face of the pipe should be kept perpendicular to the axis of the pipe. The pipe ends must be repaired and maintained with scraper after cutting.

2. Threading

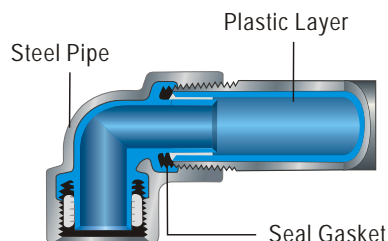
Hand or electric threading machines are suitable for threading. Attention should be paid to cooling of the body of pipe when screwing plastic-lined compound steel pipe. After screwing protection measures to thread must be taken.

3. Installation of pipe

Cover the thread of pipe end with a layer of sealing material, connect pipe to pipe fittings, and appropriately tighten them with pipe pliers.

4. Repair of surface

After completion of installation, coat the exposed threads and damaged places with rust inhibitor so as to protect pipes.



Attention during Installation

It is well known that zinc has positive protective effect on the base of steel pipe. The pure zinc layer on the surface of hot dip galvanized steel pipe can generate a tight and passivated $[\text{Zn}_2(\text{OH})_2\text{CO}_3]$ film which can further prevent zinc from corrosion.

The hot dip galvanized steel pipe with thickness of the galvanization layer is above $50\mu\text{m}$, can be safely used for 30 years in reasonable environment. Please pay attention to 'reasonable environment', as zinc is a relatively active amphoteric element which can react on acid and alkali, and also can replace the heavy metal ions of salt, the galvanization layer is easy to be affected from destruction and to be holed by corrosion in moisture environment with medium of acid, alkali salt.

If hot dip galvanized steel pipe is intended to be buried in wall or underground (toilet of living room), it is suggested that the buried surface of the steel pipe be processed (such as coated with bitumen, epoxy paint or covered with channel) so as to prevent galvanization layer from direct contact with medium. It is better to be refilled with dry neutral earth. At present we have pipes of new models, such as Plastic coated steel pipe and Plastic lined steel pipe, which is strongly suggested to be used in the atmosphere of acid and alkali. They can better resist acid and alkali.

Comparison between hot dip galvanized steel pipe and traditional electroplated steel pipe

Pipe material	Structure and properties of plating	Remark
Hot dip galvanized steel pipe	There is a complicate physical and chemical reaction between the base of steel pipe and melted galvanization liquid, a zinc-iron alloy layer which is anti-corrosive and possesses tight structure is formed, the alloy layer integrates with pure zinc and the base of steel pipe, so it is of good anti-corrosion.	Suitable for water supply in construction engineering
Traditional electroplated steel pipe	Zinc layer is plating, and independent of the base of steel pipe, the zinc layer which is thinner, and just adheres to the base of steel pipe, is easy to shed off. It is of bad anti-corrosion	The electroplated pipe is prohibited to be used in water supply in new-built residential buildings

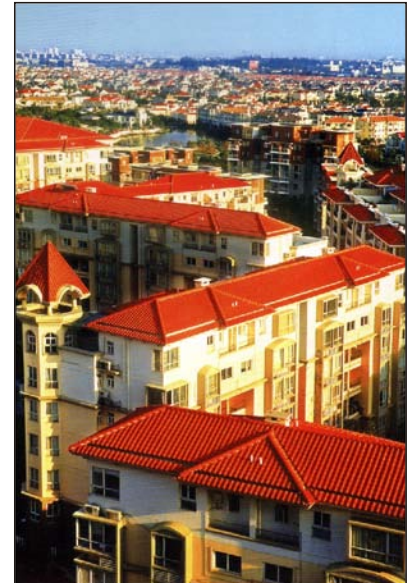
Project



Shanghai Skyscraper Building (88 floors)



Hong Kong Horse-racing Center



Phoenix City of Country Garden



Shanghai Stock Exchange Building



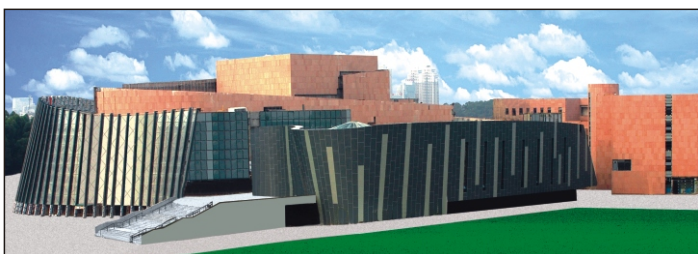
Dongguan Huakai Building



Dongguan Land King Building



Dongguan Regal Palace Hotel
(53 floors, five star)



Zhongshan Cultural and Artistic Center

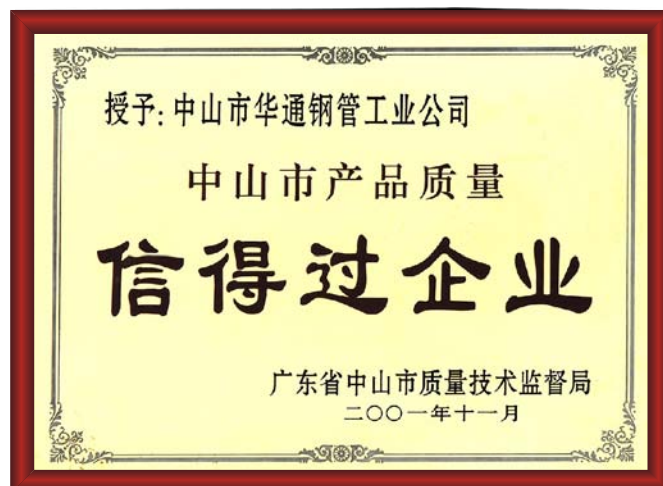


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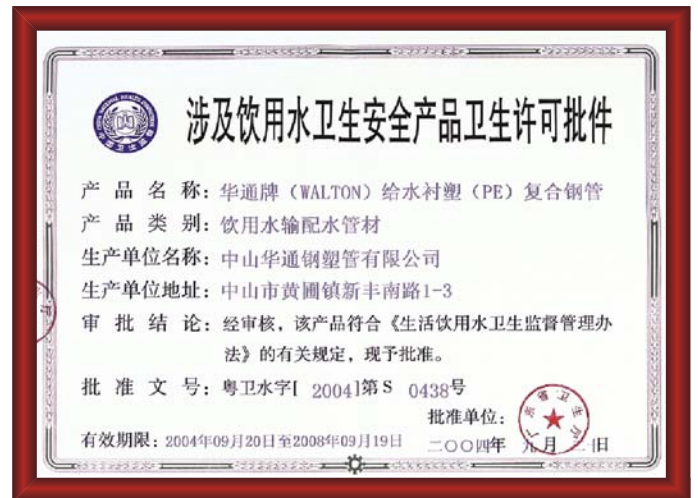


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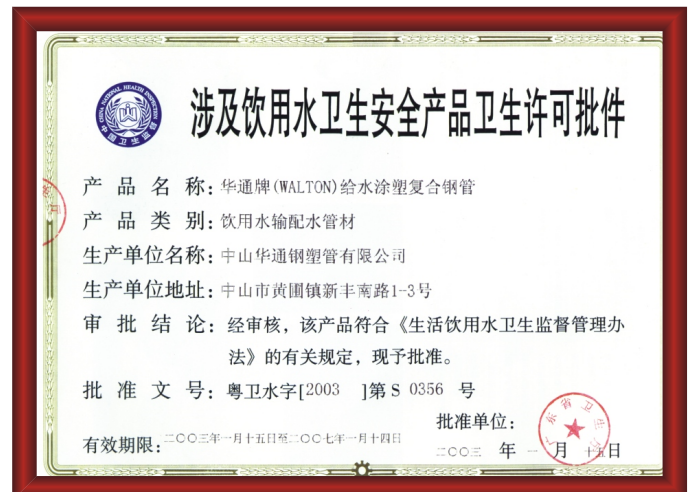
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Certificate of drinking water security for the Plastic Lined Steel Pipes



Certificate for engineering construction from Hong Kong Constructing Ministry



Certificate of drinking water security for the Plastic Coated Steel Pipes



ZHONGSHAN WALTON COATING PLASTIC STEEL PIPE LTD.

Add: No.1-3 south Xinfeng Road, Huangpu Town, Zhongshan City, Guangdong Province, China

Tel: +86-760-23210119 Fax: +86-760-23309996 Po:528429

<http://www.walton.cn> e-mail: sales@walton.cn oversea@liansu.com

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