

# BAOLAI STEEL



## COMPANY PROFILE

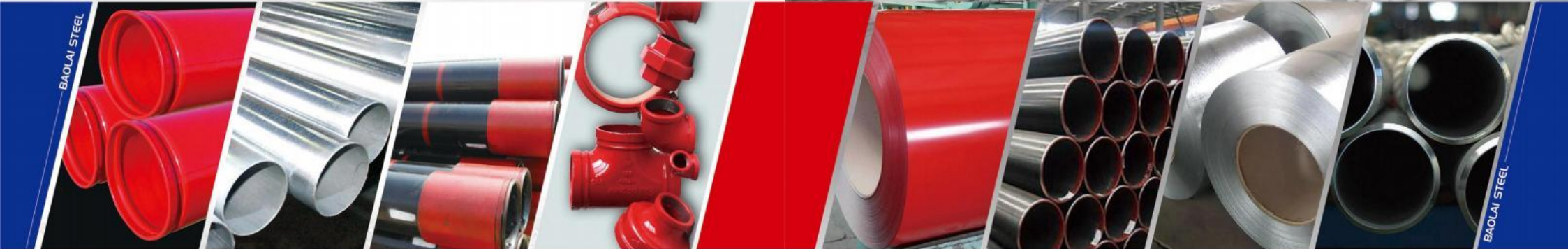
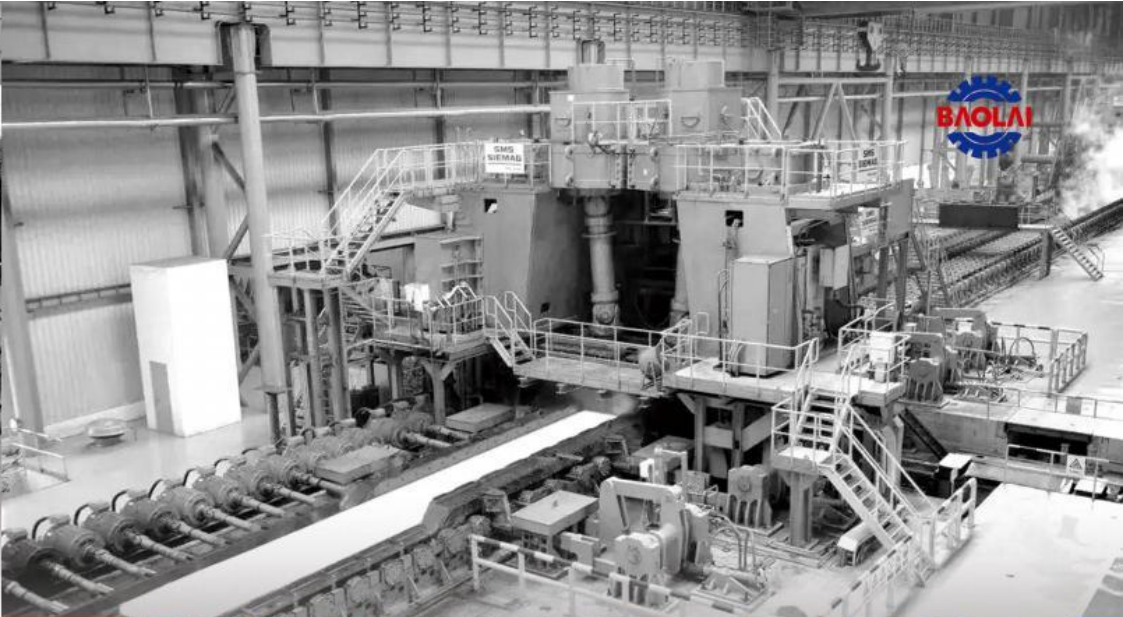
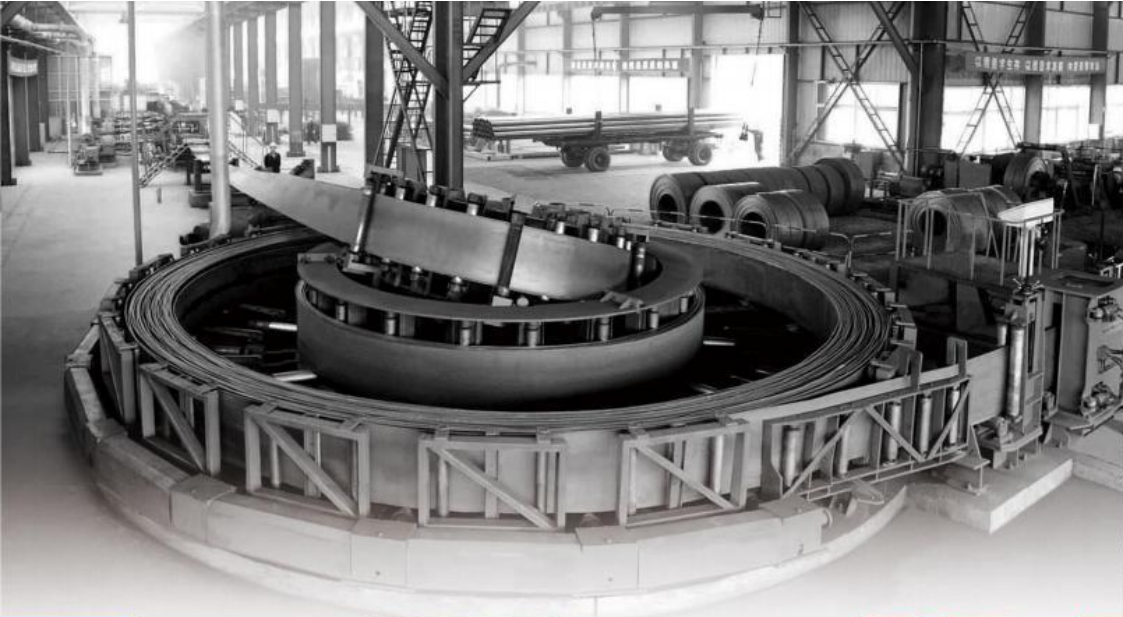
Tianjin Baolai Steel Group Co., Ltd is a comprehensive company, which focus on steel pipes and other steel products. Established in 1991, Baolai is among the first few specialized companies that develop and manufacture ordinary and special diameter steel pipes. We manufacture API, ASTM, BS, DIN and JIS standards pipes with galvanizing facility. Our annual capacity is approximately 2,300,000MT in various specifications and export 150,000MT to all over the world.

We have been awarded "Top Ten Collective and Private Exporters of Tianjin" by Tianjin Commerce Department, "Top Ten Exporters of Hexi District" by Tianjin Hexi Commerce Department, "Top 100 Enterprises of Tianjin" and "Top 300 International Trade companies of Tianjin" by Tianjin government, and a credit rating "AAA" by banks.

Apart from being the supplier of a comprehensive range of our products, Baolai aims to extend its commitment to customers by enhancing its services and adding new facilities. A dedicated team is tasked to provide technical support so as to advise the proper usage of steel and assist customers in using the products to its best advantage.











# BAOLAI STEEL



Galvanizing  
Fabrication



Painted Pipe Workshop



Threaded Galvanized Pipe



Grooved Pipe



# BAOLAI STEEL



## ■ CERTIFICATES ■



## ■ CERTIFICATES ■





## BAOLAI FIRE SPRINKLER PIPES



UL listed and FM approved BAOLAI fire protection pipes offer the most suitable products to its customers; black, galvanized, primer varnished, epoxy coating options and roll grooving, threading & coupling or beveled finishings.

## EN FM & UL

	OD (mm)	Wall Thickness (mm)	FM	UL
Light Wall	33.7	2.0	✓	
	33.7	2.6	✓	
	42.4	2.0	✓	
	42.4	2.3	✓	
	42.4	2.6	✓	
	48.3	2.0	✓	
	48.3	2.6	✓	
	60.3	2.0	✓	
	60.3	2.9	✓	
	76.1	2.18	✓	
	76.1	2.9	✓	
	88.9	2.36	✓	
	88.9	3.2	✓	
	114.3	2.6	✓	
	114.3	3.6	✓	
	139.7	3.4	✓	

	OD (mm)	Wall Thickness (mm)	FM	UL
EN 10255 Medium	33.7	3.2	✓	
	42.4	3.2	✓	✓
	48.3	3.2	✓	✓
	60.3	3.6	✓	✓
	76.1	3.6	✓	✓
	88.9	4.0	✓	✓
	114.3	4.5	✓	✓
	139.7	5.0	✓	✓
	165.1	5.0	✓	✓

	OD (mm)	Wall Thickness (mm)	FM	UL
EN 10255 Heavy	21.3	3.2	✓	
	26.9	3.2	✓	
	33.7	4.0	✓	
	42.4	4.0	✓	
	48.3	4.0	✓	
	60.3	4.5	✓	
	76.1	4.5	✓	
	88.9	5.0	✓	
	114.3	5.4	✓	
	139.7	5.4	✓	
	165.1	5.4	✓	

## ASTM FM & UL

	Nominal Sizes (inch)	OD (mm)	Wall Thickness (inch)	Wall Thickness (mm)	Weight (lb/ft)	Weight (kg/mt PE)	FM	UL
Light Wall	1	33.4	0.102	2.60	1.34	1.99	✓	
	1 1/4	42.2	0.091	2.30	1.53	2.27	✓	
	1 1/4	42.2	0.102	2.60	1.71	2.55	✓	
	1 1/2	48.3	0.102	2.60	1.97	2.93	✓	
	2	60.3	0.114	2.90	2.76	4.10	✓	
	2 1/2	73	0.114	2.90	3.52	5.23	✓	
	3	88.9	0.126	3.20	4.54	6.76	✓	
	4	114.3	0.142	3.60	6.60	9.83	✓	
	5	141.3	0.134	3.40	7.68	11.43	✓	
	6	168.3	0.134	3.40	9.30	13.85	✓	
SCH 7	1	33.4	0.079	2.00	1.05	1.56	✓	
	1 1/4	42.2	0.079	2.00	1.34	1.99	✓	
	1 1/2	48.3	0.084	2.13	1.53	2.28	✓	
	2	60.3	0.084	2.13	1.93	2.88	✓	
	2 1/2	73	0.086	2.18	2.67	3.97	✓	
	3	88.9	0.093	2.36	3.38	5.04	✓	
SCH 10	4	114.3	0.108	2.60	4.81	7.16	✓	
	3/4"	26.7	0.083	2.11	0.86	1.28	✓	✓
	1"	33.4	0.109	2.77	1.41	2.09	✓	✓
	1 1/4"	42.2	0.109	2.77	1.81	2.69	✓	✓
	1 1/2"	48.3	0.109	2.77	2.09	3.11	✓	✓
	2"	60.3	0.109	2.77	2.64	3.93	✓	✓
	2 1/2"	73	0.120	3.05	3.53	5.26	✓	✓
	3"	88.9	0.120	3.05	4.34	6.46	✓	✓
	3 1/2"	101.6	0.120	3.05	4.98	7.41	✓	✓
	4"	114.3	0.120	3.05	5.62	8.37	✓	✓
	5"	141.3	0.134	3.4	7.78	11.58	✓	✓
	6"	168.3	0.134	3.4	9.30	13.85	✓	✓
SCH 30	8"	219.1	0.188	4.78	16.96	25.26	✓	✓
	10"	273.1	0.188	4.78	21.23	31.62	✓	✓
	12"	323.8	0.188	4.78	25.28	37.61	✓	✓
	1"	33.4	0.114	2.9	1.46	2.18	✓	
	1 1/4"	42.2	0.117	2.97	1.93	2.87	✓	
	1 1/2"	48.3	0.125	3.18	2.37	3.53	✓	
	2"	60.3	0.125	3.18	3.00	4.48	✓	
	2 1/2"	73	0.188	4.78	5.40	8.04	✓	
	3"	88.9	0.188	4.78	6.65	9.92	✓	
	3 1/2"	101.6	0.188	4.78	7.65	11.41	✓	
	4"	114.3	0.188	4.78	8.66	12.91	✓	
	8"	219.1	0.277	7.04	24.70	36.81	✓	
SCH 40	10"	273.1	0.307	7.8	34.24	51.03	✓	
	12"	323.8	0.33	8.38	43.77	65.20	✓	
	1/2"	21.3	0.109	2.77	0.85	1.27	✓	✓
	3/4"	26.7	0.113	2.87	1.13	1.69	✓	✓
	1"	33.4	0.133	3.38	1.68	2.50	✓	✓
	1 1/4"	42.2	0.140	3.56	2.27	3.39	✓	✓
	1 1/2"	48.3	0.145	3.68	2.72	4.05	✓	✓
	2"	60.3	0.154	3.91	3.66	5.45	✓	✓
	2 1/2"	73	0.203	5.16	5.80	8.64	✓	✓
	3"	88.9	0.216	5.49	7.58	11.29	✓	✓
	3 1/2"	101.6	0.226	5.74	9.12	13.58	✓	✓
	4"	114.3	0.237	6.02	10.80	16.09	✓	✓
SCH 80	5"	141.3	0.258	6.55	14.63	21.79	✓	✓
	6"	168.3	0.280	7.11	18.99	28.29	✓	✓
	8"	219.1	0.322	8.18	30.45	45.34	✓	✓
	10"	273.1	0.365	9.27	40.52	60.29	✓	✓
	1/2"	21.3	0.147	3.73	1.09	1.62	✓	
	3/4"	26.7	0.154	3.91	1.47	2.20	✓	
	1"	33.4	0.179	4.55	2.19	3.25	✓	
	1 1/4"	42.2	0.191	4.85	3.03	4.49	✓	
	1 1/2"	48.3	0.200	5.08	3.65	5.39	✓	
	2"	60.3	0.218	5.54	5.08	7.55	✓	
	2 1/2"	73	0.276	7.01	7.75	11.52	✓	
	3"	88.9	0.300	7.62	10.35	15.39	✓	
	3 1/2"	101.6	0.318	8.08	12.67	18.82	✓	
	4"	114.3	0.337	8.56	15.20	22.60	✓	
	5"	141.3	0.375	9.52	21.04	31.42	✓	
	6"	168.3	0.432	10.97	28.88	43.05	✓	
	8"	219.1	0.500	12.70	44.00	65.41	✓	

## BAOLAI EPOXY COATED FIRESIST PIPES

A leading Chinese producer of steel pipes, BAOLAI is moving towards to become a leader in fire protection area with its epoxy coated firesist pipes. Since fire protection measures have become an increasingly vital matter, BAOLAI helps to save lives with a wide range product portfolio in the area of fire protection pipes. With a high durability against corrosion (C3++ class), firesist epoxy coated pipes can be used in fire protection systems by customers with a peace of mind.

- Widest range of UL and FM approval
- Superior epoxy coating (up to 110 micron)
- Corrosion Class C3++
- Available in red (RAL 3000), red brown (RAL3009), gray (RAL7012)
- Wide production range between ½" – 12"
- Production availability acc. to ASTM and EN standards
- Reliable in easy flow light walls (min. 2 mm thickness), light series, medium series and heavy series
- Pressure ratings exceeding 300 psi (depending per size)
- Roll Grooved, Threaded & Coupled or Beveled options
- Custom length options (please contact with us for details)
- Inside weld bead is removed upon request
- Consistent roundness, straightness
- Superior pipe end finishing
- Tight tolerances
- CE certified

- Compliant to main Projects' Requirements
- Maintains corrosion resistance
- Firesist Epoxy Coated pipe eliminates field painting
- Consistent coating quality
- Easy to weld & install
- Long-lasting performance
- Perfect product tolerances with Lean 6 Sigma production technique
- Well established sales organization and excellent service (Voice of Customer Management)
- Saves labor, time & cost



## BAOLAI PRIMER VARNISHED FIRE SPRINKLER PIPES

BAOLAI primer varnished sprinkler pipes provides corrosion protection and protects from atmospheric rust. Primer varnishing is applied to the adherence surface without contamination of dust or dirt etc. Primer varnished pipes provide low overhead costs and saves time, labor and scrap.

- Widest range of UL and FM approval
- Varnishing around 20-25 micron
- Available in black (RAL 9005), red (RAL 3000), red brown (RAL3009), gray (RAL7012)
- Wide production range between ½" – 12"
- Production availability acc. to ASTM and EN standards
- Reliable in easy flow light walls (min. 2 mm thickness), light series, medium series and heavy series
- Pressure ratings exceeding 300 psi (depending per size)
- Roll Grooved, Threaded & Coupled or Beveled options
- Custom length options (please contact with us for details)
- Inside weld bead is removed upon request
- Consistent roundness, straightness
- Superior pipe end finishing
- Tight tolerances
- CE certified



- Compliant to main Project Requirements
- Protects from atmospheric rust
- Easy to weld & install
- Perfect product tolerances with Lean 6 Sigma production technique
- Well established sales organization and excellent service (Voice of Customer)
- Saves labor, time & cost





## BAOLAI GALVANIZED FIRE PROTECTION PIPES

With superior zinc coated BAOLAI Galvanized Steel Pipes; you will maintain corrosion resistance and prevent rusting. Installation of Galvanized Pipe is allowed in wet and dry sprinkler systems.



- Widest range of UL and FM approval
- Wide production range between ½" – 6"
- Production availability acc. to ASTM and EN standards
- Reliable in easy flow light walls (min. 2 mm thickness), light series, medium series and heavy series
- Superior zinc coating (50-55 micron)
- Pressure ratings exceeding 300 psi (depending per size)
- Roll Grooved, Threaded & Coupled or Beveled options
- Custom length options (please contact with us for details)
- Inside weld bead is removed upon request
- Consistent roundness, consistent straightness
- Superior pipe end finishing
- Tight tolerances
- CE certified

- Compliant to main Project Requirements
- Maintains corrosion resistance
- Prevents rusting
- Long-lasting performance
- Easy to weld & install
- Perfect product tolerances with Lean 6 Sigma production technique
- Well established sales organization and excellent service (Voice of Customer)
- Compatible for use in wet, dry, preaction and deluge sprinkler systems
- Saves labor, time & cost



## Welded steel pipe

Welded steel pipe is formed by rolling plate and welding the seam. There are ERW, LSAW and SSAW production processes. And we mainly supply HFW (High frequency welding) of ERW pipe. ERW steel pipe is cost-effective pipe with precise dimension and light weight. It is mainly used to convey fluid at low and medium pressures ambient, such as water line (cold & hot), firefighting pipeline, HVAC line, etc.

**Baolai provides ERW steel pipe for fire fighting as standard:**

- ▶ **ASTM A53 / A53M - 20** Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
- ▶ **ASTM A795 / A795M - 21** Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use
- ▶ **ASTM A135 / A135M - 16** Standard Specification for Electric-Resistance-Welded Steel Pipe
- ▶ **BS 1387:1985** Specification for Screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe threads
- ▶ **EN 10255:2004** Non-alloy steel tubes suitable for welding and threading
- ▶ **EN 10224:2002** Non-alloy steel tubes and fittings for the conveyance of water and other aqueous liquids - Technical delivery conditions
- ▶ **ASTM A312 / A312M - 17** Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic stainless Steel Pipes

## ASTM A53 ERW steel pipe

ERW steel pipe is formed by rolling strip and welding the seam, with tighter dimensional tolerances and less weight. The weld seam is heat treated after welding that no untempered martensite remains, and the weld flash can be removed from both inner and outer surfaces.

ASTM A53 ERW steel pipe is a typical carbon steel pipe. It is largely used to convey fluids at low / medium pressures such as oil, gas, steam, water, air and also for mechanical applications.



- Certificate: UL Listed / FM Approved
- Standard: ASTM A53, Type E, Grade B / UL 852
- Length: 6m / 5.8m / 11.8m / 12m, customized
- End: Plain (square cut) / Beveled to 30° / Roll groove as AWWA C606 / NPT thread as ANSI B1.20.1
- Surface: Black paint to RAL 9005 / Red paint to RAL 3000 / Varnish paint / FBE to RAL3000 / Hot dip galvanized

### Available size for Sch10 pipe

Size			Thickness	Mass	Test pressure	Ref. No.
NPS	DN	OD (mm)	T (mm)	kg/m	MPa	
1/2"	15	21.3	2.11	1.00	4.8	P0101 (ISO)
3/4"	20	26.7	2.11	1.28	4.8	P0102 (ISO)
1"	25	33.4	2.77	2.09	4.8	P0103 (ISO)
1-1/4"	32	42.2	2.77	2.69	9.0	P0104 (ISO)
1-1/2"	40	48.3	2.77	3.11	9.0	P0105 (ISO)
2"	50	60.3	2.77	3.93	13.2	P0106 (ISO)
2-1/2"	65	73.0	3.05	5.26	12.0	P0107 (ISO)
3"	80	88.9	3.05	6.46	9.9	P0108 (ISO)
4"	100	114.3	3.05	8.37	7.7	P0109 (ISO)
5"	125	141.3	3.40	11.56	6.9	P0110 (ISO)
6"	150	168.3	3.40	13.83	5.8	P0111 (ISO)
8"	200	219.1	3.76	19.97	4.9	P0112 (ISO)
10"	250	273.0	4.19	27.78	4.4	P0113 (ISO)
12"	300	323.8	4.57	35.98	4.1	P0114 (ISO)
14"	350	355.6	6.35	54.69	5.2	P0115 (ISO)

\* Baolai refer to ASME B36.10M for listing Sch10 pipe. And the manufacturing method is HFW (high frequency electric resistance welding).

## ASTM A53 ERW steel pipe

### Available size for Sch40 pipe

Size			Thickness	Mass	Test pressure	Ref. No.
NPS	DN	OD (mm)	T (mm)	kg/m	MPa	
1/2"	15	21.3	2.77	1.27	4.8	P0121 (UL/FM)
3/4"	20	26.7	2.87	1.69	4.8	P0122 (UL/FM)
1"	25	33.4	3.38	2.50	4.8	P0123 (UL/FM)
1-1/4"	32	42.2	3.56	3.39	9.0	P0124 (UL/FM)
1-1/2"	40	48.3	3.68	4.05	9.0	P0125 (UL/FM)
2"	50	60.3	3.91	5.44	17.2	P0126 (UL/FM)
2-1/2"	65	73.0	5.16	8.63	17.2	P0127 (UL/FM)
3"	80	88.9	5.49	11.29	17.2	P0128 (UL/FM)
4"	100	114.3	6.02	16.08	15.2	P0129 (UL/FM)
5"	125	141.3	6.55	21.77	13.4	P0130 (UL/FM)
6"	150	168.3	7.11	28.26	12.3	P0131 (UL/FM)
8"	200	219.1	8.18	42.55	10.8	P0132 (UL/FM)
10"	250	273.0	9.27	60.29	9.9	P0133 (UL)
12"	300	323.8	10.31	79.71	9.2	P0134 (UL)
14"	350	355.6	11.13	94.55	9.0	P0135 (ISO)

\* The manufacturing method is HFW (high frequency electric resistance welding), and available UOE/JCOE of LSAW for large size.

### Permissible variations

Size			OD tolerance	THK tolerance		Remark
NPS	DN	OD (mm)	mm	Sch10 (mm)	Sch40 (mm)	
1/2"	15	21.3	20.9 ~ 21.7	1.85 ~ 2.53	2.42 ~ 3.32	1. For pipe ≤ NPS 1-1/2", OD tolerance is ± 0.40mm. 2. For pipe ≥ NPS 2", OD tolerance is ± 1%. 3. The min THK at any point is not more than 12.5%. 4. The max THK is not defined in ASTM A53, and TPMC refers to ASTM A530 with 20%, 22.5% or 15% as t/D ratio.
3/4"	20	26.7	26.3 ~ 27.1	1.85 ~ 2.53	2.51 ~ 3.44	
1"	25	33.4	33.0 ~ 33.8	2.42 ~ 3.32	2.96 ~ 4.06	
1-1/4"	32	42.2	41.8 ~ 42.6	2.42 ~ 3.32	3.12 ~ 4.27	
1-1/2"	40	48.3	47.9 ~ 48.7	2.42 ~ 3.32	3.22 ~ 4.42	
2"	50	60.3	59.7 ~ 60.9	2.42 ~ 3.32	3.42 ~ 4.69	
2-1/2"	65	73.0	72.3 ~ 73.7	2.67 ~ 3.66	4.52 ~ 6.19	
3"	80	88.9	88.0 ~ 89.8	2.67 ~ 3.74	4.80 ~ 6.31	
4"	100	114.3	113.2 ~ 115.4	2.67 ~ 3.74	5.27 ~ 7.37	
5"	125	141.3	139.9 ~ 142.7	2.98 ~ 4.17	5.73 ~ 8.02	
6"	150	168.3	166.6 ~ 170.0	2.98 ~ 4.17	6.22 ~ 8.71	
8"	200	219.1	216.9 ~ 221.3	3.29 ~ 4.61	7.16 ~ 10.02	
10"	250	273.0	270.3 ~ 275.7	3.67 ~ 5.13	8.11 ~ 11.36	
12"	300	323.8	320.6 ~ 327.0	4.00 ~ 5.60	9.02 ~ 12.63	
14"	350	355.6	352.0 ~ 359.2	5.56 ~ 7.78	9.74 ~ 13.63	

#### Note:

- For exact length (cut length), length tolerance is -0.0mm / +6.0mm, as ASTM A530.
- The weight (mass) tolerance of unit pipe is ±10%.
- For pipe ≤ NPS 4", weight is measured as per bundle. For pipe > NPS 4", measured as per individual length.



## ASTM A795 ERW steel pipe

ERW steel pipe is formed by rolling strip and welding the seam, with tighter dimensional tolerances and less weight. The weld seam is heat treated after welding that no untempered martensite remains, and the weld flash can be removed from both inner and outer surfaces.

ASTM A795 ERW pipe is intended for use in water-based fire protection systems for water distribution or valve trim application, such as wet, dry, preaction, or deluge sprinkler systems.



- Certificate: UL Listed / FM Approved
- Standard: ASTM A795, Type E, Grade B / UL 852
- Length: 6m / 5.8m / 11.8m / 12m, customized
- End: Plain (square cut) / Beveled to 30° / Roll groove as AWWA C606 / NPT thread as ANSI B1.20.1
- Surface: Black paint to RAL 9005 / Red paint to RAL 3000 / Varnish paint / FBE to RAL3000 / Hot dip galvanized

### Available size for Sch10 pipe

Size			Thickness	Mass	Test pressure	Ref. No.
NPS	DN	OD (mm)	T (mm)	kg/m	MPa	
3/4"	20	26.7	2.11	1.28	4.8	P0202 (UL/FM)
1"	25	33.4	2.77	2.09	4.8	P0203 (UL/FM)
1-1/4"	32	42.2	2.77	2.69	6.9	P0204 (UL/FM)
1-1/2"	40	48.3	2.77	3.11	6.9	P0205 (UL/FM)
2"	50	60.3	2.77	3.93	6.9	P0206 (UL/FM)
2-1/2"	65	73.0	3.05	5.26	6.9	P0207 (UL/FM)
3"	80	88.9	3.05	6.46	6.9	P0208 (UL/FM)
4"	100	114.3	3.05	8.37	8.3	P0209 (UL/FM)
5"	125	141.3	3.40	11.56	8.3	P0210 (UL/FM)
6"	150	168.3	3.40	13.83	6.9	P0211 (UL/FM)
8"	200	219.1	4.78	25.26	5.5	P0212 (UL/FM)
10"	250	273.1	4.78	31.63	4.8	P0213 (UL)

#### Note:

- For pipe NPS 8" and NPS 10", the thickness follows ASTM A795, not Sch10 of ASME B36.10M (8"/3.76mm, 10"/4.19mm).
- The manufacturing method is HFW (high frequency electric resistance welding).

## ASTM A795 ERW steel pipe

### Available size for Sch40 pipe

Size			Thickness	Mass	Test pressure	Ref. No.
NPS	DN	OD (mm)	T (mm)	kg/m	MPa	
1/2"	15	21.3	2.77	1.27	4.8	P0221 (ISO)
3/4"	20	26.7	2.87	1.69	4.8	P0222 (ISO)
1"	25	33.4	3.38	2.50	4.8	P0223 (UL)
1-1/4"	32	42.2	3.56	3.39	6.9	P0224 (UL)
1-1/2"	40	48.3	3.68	4.05	6.9	P0225 (UL)
2"	50	60.3	3.91	5.44	6.9	P0226 (UL)
2-1/2"	65	73.0	5.16	8.63	6.9	P0227 (UL)
3"	80	88.9	5.49	11.29	6.9	P0228 (UL)
4"	100	114.3	6.02	16.08	8.3	P0229 (UL)
5"	125	141.3	6.55	21.77	8.3	P0230 (UL)
6"	150	168.3	7.11	28.26	8.3	P0231 (UL)
8"	200	219.1	7.04	36.82	8.3	P0232 (ISO)
10"	250	273.1	7.80	51.03	6.9	P0233 (ISO)

#### Note:

- For pipe NPS 8" and NPS 10", the thickness follows Sch30 of ASME B36.10M, not Sch40 of ASME B36.10M (8"/8.18mm, 10"/9.27mm).
- The manufacturing method is HFW (high frequency electric resistance welding), and available UOE/JCOE of LSAW for large size.

### Permissible variations

Size			OD tolerance	THK tolerance		Remark
NPS	DN	OD (mm)	mm	Sch10 (mm)	Sch40 (mm)	
1/2"	15	21.3	20.9 ~ 21.7	/	2.42 ~ 3.32	1. For pipe ≤ NPS 1-1/2", OD tolerance is ±0.4mm. 2. For pipe ≥ NPS 2", OD tolerance is ±1%. 3. The min THK at any point is not more than 12.5%. 4. The max THK is not defined in ASTM A795, and TPMC refers to ASTM A530 with 20%, 22.5% or 15% as t/D ratio.
3/4"	20	26.7	26.3 ~ 27.1	1.85 ~ 2.53	2.51 ~ 3.44	
1"	25	33.4	33.0 ~ 33.8	2.42 ~ 3.32	2.96 ~ 4.06	
1-1/4"	32	42.2	41.8 ~ 42.6	2.42 ~ 3.32	3.12 ~ 4.27	
1-1/2"	40	48.3	47.9 ~ 48.7	2.42 ~ 3.32	3.22 ~ 4.42	
2"	50	60.3	59.7 ~ 60.9	2.42 ~ 3.32	3.42 ~ 4.69	
2-1/2"	65	73.0	72.3 ~ 73.7	2.67 ~ 3.66	4.52 ~ 6.19	
3"	80	88.9	88.0 ~ 89.8	2.67 ~ 3.74	4.80 ~ 6.31	
4"	100	114.3	113.2 ~ 115.4	2.67 ~ 3.74	5.27 ~ 7.37	
5"	125	141.3	139.9 ~ 142.7	2.98 ~ 4.17	5.73 ~ 8.02	
6"	150	168.3	166.6 ~ 170.0	2.98 ~ 4.17	6.22 ~ 8.71	
8"	200	219.1	216.9 ~ 221.3	4.18 ~ 5.86	6.16 ~ 8.62	
10"	250	273.1	270.4 ~ 275.8	4.18 ~ 5.86	6.83 ~ 9.56	

#### Note:

- For exact length (cut length), length tolerance is -0.0mm / +6.0mm, as ASTM A530.
- The weight (mass) tolerance of unit pipe is ±5%.
- For pipe ≤ NPS 4", weight is measured as per bundle. For pipe > NPS 4", measured as per individual length.



## EN10255 ERW steel tube

ERW steel tube is formed by rolling strip and welding the seam, with tighter dimensional tolerances and less weight. The weld seam is heat treated after welding that no untempered martensite remains, and the weld flash can be removed from both inner and outer surfaces.

EN10255 is a non-alloy steel tubes specification suitable for welding and threading with Medium, Heavy, and three Light types of designated thickness. It is suitable for water lines (Cold & Hot), firefighting pipeline, HVAC lines, etc.

- Certificate: FM Approved
- Standard: EN10255 S 195T, Type W
- Length: 6m / 5.8m / 11.8m / 12m, customized
- End: Plain (square cut) / Beveled to 30° / Roll groove as ISO 6182-12 / BSPT thread as ISO 7-1
- Surface: Black paint to RAL 9005 / Red paint to RAL 3000 / Varnish paint / FBE to RAL3000 / Hot dip galvanized



## Seamless steel pipe

Seamless steel pipe is formed by drawing a solid billet without welding or seam, and the advantage is the ability of withstanding higher pressure. It is mainly used in power plant, boiler, or firefighting pipeline where the piping must transport fluid and gas in high temperature and pressure level.

BAOLAI provides seamless steel pipe for firefighting as standard:

- ▶ **ASTM A106 / A106M - 18** Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service
- ▶ **ASTM A53 / A53M - 20** Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
- ▶ **ASTM A795 / A795M - 21** Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use
- ▶ **EN 10255:2004** Non-alloy steel tubes suitable for welding and threading
- ▶ **EN 10216-1:2013** Seamless steel tubes for pressure purposes Part 1: Non-alloy steel tubes with specified room temperature properties
- ▶ **ASTM A312 / A312M - 17** Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes