

众志成城 共铸辉煌
Unity Together, Create Prosperity

TIANJIN XINYUE STEEL GROUP

TIANJIN XINYUE STEEL GROUP

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天津信跃钢铁集团

天津信跃 成就卓越

Tianjin Xinyue makes excellence

XINYUE STEEL YOUR BEST CHOICE WITH ONE-STOP SOLUTION OF STEEL PIPE

信跃文化
XINYUE CULTURE

Xinyue Principle 信跃信条

诚信为本，客户至上，高质高效

Integrity-Based, Customer First, High Quality, High efficiency.

Xinyue Vision 信跃愿景

提升客户价值，专注优质产品（质量优，价格优，服务优，交期优）。

Advance Customer Value with Best Price, Good Quality, First-class Service, Fast delivery.

Xinyue Goal 信跃目标

信跃钢铁，与你携手，共创辉煌

You and Xinyue Steel, Hand In Hand, Make Great Success.

众志成城，共铸辉煌
Unity Together, Create Prosperity



Steel Pipe for Fire Protection Service

We supply both seamless steel pipe and welded steel pipe used for Fire sprinkler systems and Fire hydrant systems.

Usually steel pipe is red in color. Lightwall steel pipe typically has a galvanized exterior with a silvery appearance. Installation of red steel pipe is limited to wet pipe sprinkler systems only. Installation of galvanized pipe is permitted in wet and dry pipe (including preaction) sprinkler systems.

Pipe material:

- ▶ API 5L GrB
 - ▶ ASTM A106
 - ▶ ASTM A53
 - ▶ ASTM A135
 - ▶ ASTM A795
 - ▶ EN 10255
- ▶ ISO Certified

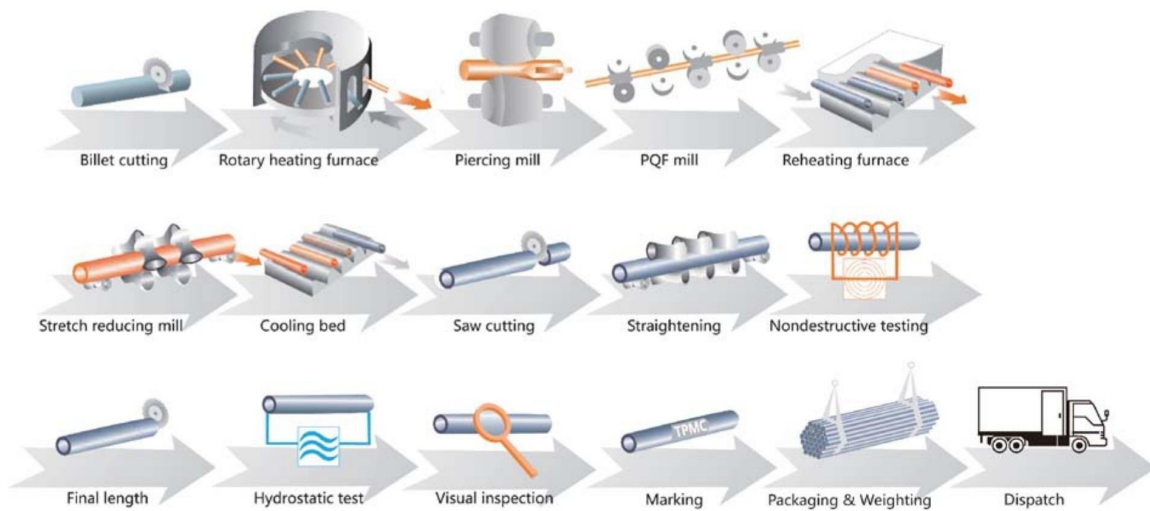


seamless pipe flow chart

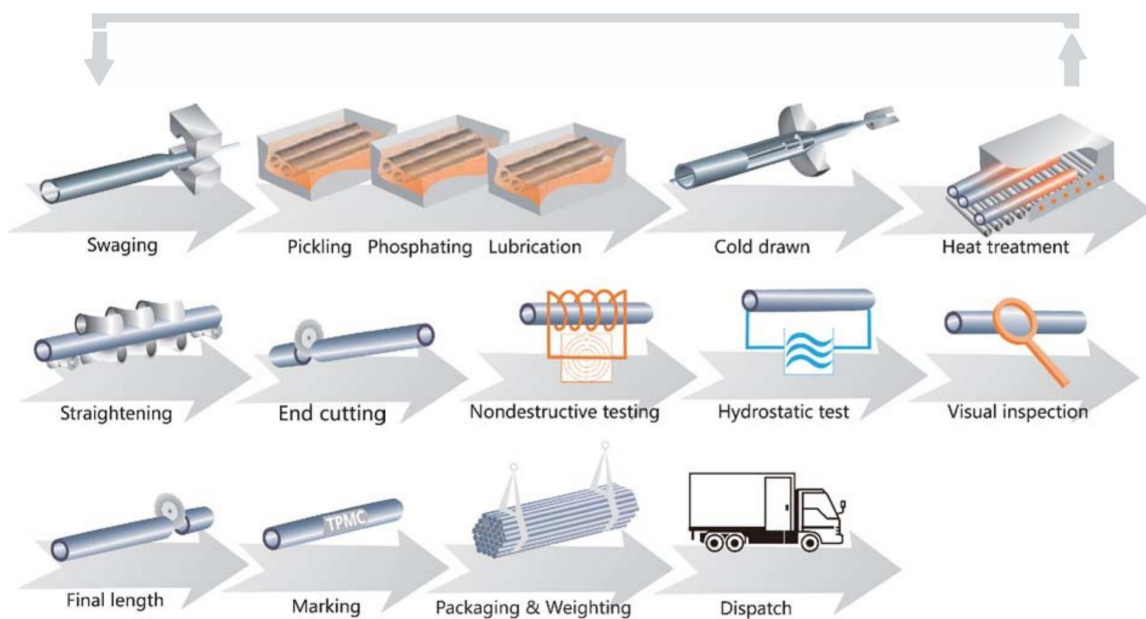
How a fire sprinkler pipe performs, both under long-term ambient conditions and when exposed to a fire, is an important consideration.

With over ten years' experience in steel pipe, TJXY saves customers' cost of material, installation and maintenance.

PQF Hot Rolled Mill Flow Chart



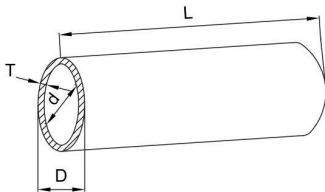
Cold Drawn Flow Chart





ASTM A106 Seamless steel pipe

Steel Pipe



- Specification: ASTM A106 / A106M
- Material: Grade B
- Dimension: ASME B36.10
- End connection: Rolled groove / Cut groove as AWWA C606
Threaded NPT as ASME B1.20.1 / BSPT as BS EN ISO 228-1
Plain end
- Surface: Red painting (RAL 3000)
Hot dip galvanized as ASTM A123
- Hydrostatic test: ASTM A530
- Working pressure: 175PSI (1.21MPa) / 300PSI (2.07MPa)
- NDT Testing: ASTM E309 Eddy current examination
ASTM E570 Flux leakage examination
ASTM E213 Ultrasonic testing

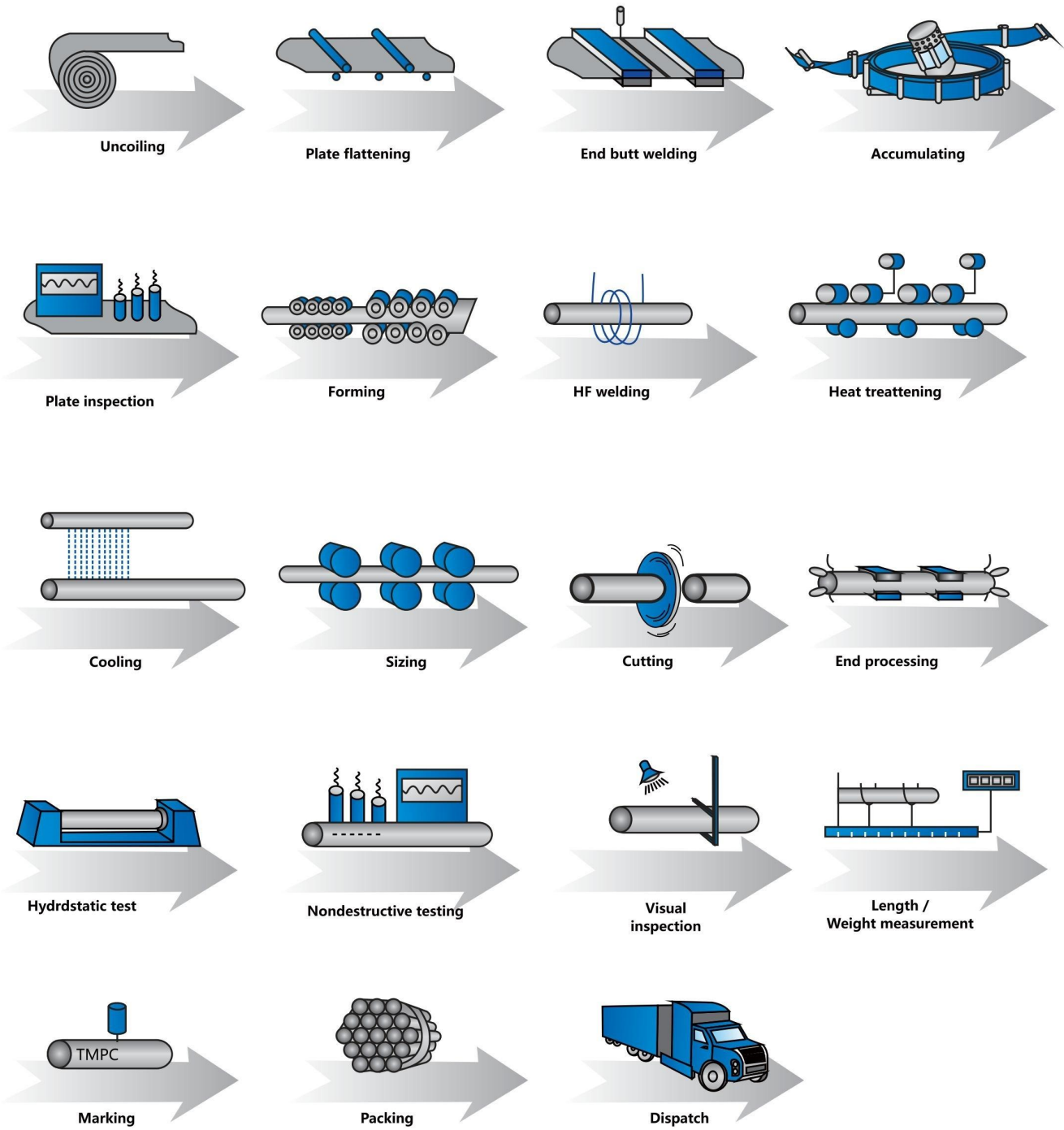
Available Size

Size			Schedule 40 pipe			Schedule 80 pipe			Manufactured by
NPS	DN	OD (mm)	Thickness (mm)	Plain end mass (kg/m)	Test pressure GR.B (Mpa)	Thickness (mm)	Plain end mass (kg/m)	Test pressure GR.B (Mpa)	
1/2"	15	21.3	2.77	1.27	17	3.73	1.62	17	Cold drawn
3/4"	20	26.7	2.87	1.69	17	3.91	2.20	17	
1"	25	33.4	3.38	2.50	17	4.55	3.24	17	
1-1/4"	32	42.2	3.56	3.39	17	4.85	4.47	17	
1-1/2"	40	48.3	3.68	4.05	17	5.08	5.41	17	
2"	50	60.3	3.91	5.44	17	5.54	7.48	17	Hot rolled 6-5/8" PQF mill
2-1/2"	65	73	5.16	8.63	17	7.01	11.41	17	
3"	80	88.9	5.49	11.29	17	7.62	15.27	17	
3-1/2"	90	101.6	5.74	13.57	16	8.08	18.63	19	Hot rolled 10-3/4" PQF mill
4"	100	114.3	6.02	16.07	15	8.56	22.32	19	
5"	125	141.3	6.55	21.77	13	9.53	30.97	19	
6"	150	168.3	7.11	28.26	12	10.97	42.56	19	
8"	200	219.1	8.18	42.55	11	12.70	64.64	17	
10"	250	273	9.27	60.29	10	15.09	95.97	16	
12"	300	323.8	10.31	79.70	9	17.48	132.04	16	



FIRE PIPE ERW pipe flow chart

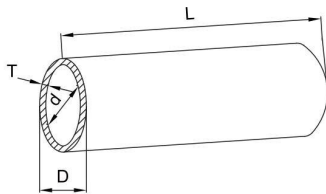
Steel Pipe





ASTM A135/A795/A53 steel pipe

Steel Pipe



- Specification: ASTM A135 / A795 / A53 (seamless & ERW)
- Material: Grade A or Grade B
- Dimension: ASME B36.10
- End connection: Rolled groove / Cut groove as AWWA C606
Threaded NPT as ASME B1.20.1 / BSPT as BS EN ISO 228-1
Plain end
- Surface: Red painting (RAL 3000)
Hot dip galvanized as ASTM A123
- NDT Testing: ASTM E309 Eddy current examination
ASTM E570 Flux leakage examination
ASTM E213 Ultrasonic testing

Available Size

Size			Schedule 10 pipe		Schedule 40 pipe		Pressure rating (PSI)
NPS	DN	OD (mm)	Thickness sch 10 (mm)	Plain end mass (kg/m)	Thickness sch 40 (mm)	Plain end mass (kg/m)	
1/2"	15	21.3	-	-	2.77	1.27	175
3/4"	20	26.7	-	-	2.87	1.69	175
1"	25	33.4	2.77	2.09	3.38	2.50	175
1-1/4"	32	42.2	2.77	2.69	3.56	3.39	175
1-1/2"	40	48.3	2.77	3.11	3.68	4.05	175
2"	50	60.3	2.77	3.93	3.91	5.44	175
2-1/2"	65	73	3.05	5.26	5.16	8.63	175
3"	80	88.9	3.05	6.46	5.49	11.29	175
3-1/2"	90	101.6	3.05	7.41	5.74	13.57	175
4"	100	114.3	3.05	8.37	6.02	16.07	175
5"	125	141.3	3.40	11.56	6.55	21.77	175
6"	150	168.3	3.40	13.83	7.11	28.26	175
8"	200	219.1	3.76	19.97	8.18	42.55	175
10"	250	273	4.19	27.77	9.27	60.29	175
12"	300	323.8	4.57	35.98	10.31	79.70	175



FIRE PIPE ANSI B36.10 SIZE CHART

ANSI B36.10/ 36.19

DN (MM)	NB (INCH)	OD MM	sch10s	sch10	sch20	sch30	sch40s	STD	sch40	sch60	sch80s	S-XS	sch80	sch100	sch120	sch140	sch160	S-XXS
6	1/8	10.3	1.24				1.73	1.73	1.73		2.41	2.41	2.41					
8	1/4	13.7	1.65				2.24	2.24	2.24		3.02	3.02	3.02					
10	3/8	17.1	1.65				2.31	2.31	2.31		3.32	3.32	3.32					
15	1/2	21.3	2.11				2.77	2.77	2.77		3.73	3.73	3.73				4.78	7.47
20	3/4	26.7	2.11				2.87	2.87	2.87		3.91	3.91	3.91				5.56	7.82
25	1	33.4	2.77				3.38	3.38	3.38		4.55	4.55	4.55				6.35	9.09
32	1 1/4	42.2	2.77				3.56	3.56	3.56		4.85	4.85	4.85				6.35	9.7
40	1 1/2	48.3	2.77				3.68	3.68	3.68		5.08	5.08	5.08				7.14	10.15
50	2	60.3	2.77				3.91	3.91	3.91		5.54	5.54	5.54				8.74	11.07
65	2 1/2	73	3.05				5.16	5.16	5.16		7.01	7.01	7.01				9.53	14.02
80	3	88.9	3.05				5.49	5.49	5.49		7.62	7.62	7.62				11.13	15.24
90	3 1/2	101.6	3.05				5.74	5.74	5.74		8.08	8.08	8.08					
100	4	114.3	3.05				6.02	6.02	6.02		8.56	8.56	8.56		11.13		13.49	17.12
125	5	141.3	3.4				6.56	6.56	6.56		9.53	9.53	9.53		12.7		15.88	19.05
150	6	168.3	3.4				7.11	7.11	7.11		10.97	10.97	10.97		14.27		18.26	21.95
200	8	219.1	3.78		6.35	7.04	8.18	8.18	8.18	10.31	12.7	12.7	12.7	15.09	18.26	20.62	23.01	22.23
250	10	273.1	4.19		6.35	7.8	9.27	9.27	9.27	12.7	12.7	12.7	15.09	18.26	21.44	25.4	28.58	25.4
300	12	323.9	4.57		6.35	8.38	9.53	9.53	10.31	14.27	12.7	12.7	17.48	21.44	25.4	28.58	33.32	25.4
350	14	355.6	4.78	6.35	7.92	9.53		9.53	11.13	15.09		12.7	19.05	23.83	27.79	31.75	35.71	
400	16	406.4	4.78	6.35	7.92	9.53		9.53	12.27	16.68		12.7	21.44	26.19	30.96	36.53	40.49	
450	18	457.2	4.78	6.35	7.92	11.13		9.53	14.27	19.05		12.7	23.83	29.36	34.93	39.68	45.24	
500	20	508	5.54	6.35	9.53	12.7		9.53	15.09	20.62		12.7	26.19	32.54	38.1	44.45	50.01	
550	22	558.8	5.54	6.35	9.53	12.7		9.53		22.23		12.7	28.58	34.93	41.28	47.83	53.98	
600	24	609.6	6.35	6.35	9.53	14.27		9.53	17.48	24.61		12.7	30.96	38.89	46.02	52.37	59.54	
650	26	660.4		7.92	12.7			9.53				12.7						
700	28	711.2		7.92	12.7	15.88		9.53				12.7						
750	30	762	7.92	7.92	12.7	15.88		9.53				12.7						
800	32	812.8		7.92	12.7	15.88		9.53	17.48			12.7						
850	34	863.6		7.92	12.7	15.88		9.53	17.48			12.7						
900	36	914.4		7.92	12.7	15.88		9.53	19.05			12.7						
950	38	965.2						9.53				12.7						
1000	40	1016						9.53				12.7						
1050	42	1066.8						9.53				12.7						
1100	44	1117.6						9.53				12.7						
1150	46	1168.4						9.53				12.7						
1200	48	1219.2						9.53				12.7						
1300	52	1320.8						9.53				12.7						
1350	54	1371.6						9.53				12.7						
1400	56	1422.4						9.53				12.7						
1500	60	1524						9.53				12.7						
1600	64	1625.6						9.53				12.7						
1700	68	1727.2						9.53				12.7						
1800	72	1828.8						9.53				12.7						
1900	76	1930.4						9.53				12.7						
2000	80	2032						9.53				12.7						

SCH5s, 10s, 40s, 80s applies for stainless steel.



FIRE PIPE Showcase



**Hot Dipped
Galvanized
Steel Pipe for
Fire pipes use**

非常品质

有口皆碑

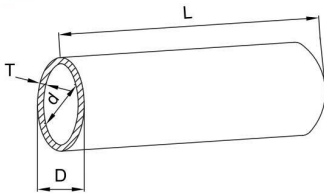
Top Quality, Everyone Knows

跨出国门有知音，天下谁人不识君 ...

Tianjin Xinyue Steel Group 07/11



EN 10255 Welded steel tube



- Specification: EN 10255
- Material: EN 10255 S 195T
- Dimension: EN 10255
- End connection: Rolled groove / Cut groove as AWWA C606
Threaded NPT as ASME B1.20.1 / BSPT as BS EN ISO 228-1
Plain end
- Surface: Red painting (RAL 3000)
Hot dip galvanized as ISO1461
- NDT Testing: EN ISO 10893-2 Eddy current testing
EN ISO 10893-3 Flux leakage testing
EN ISO 10893-10 Ultrasonic testing

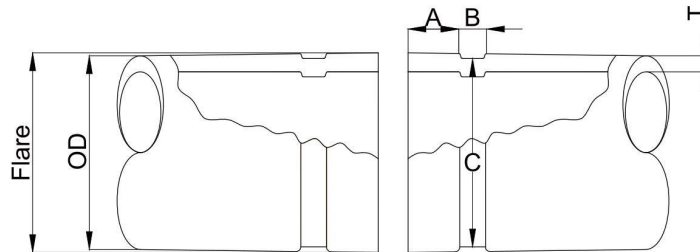
Steel Pipe

Available Size

Size			Medium		Heavy		Pressure rating (PSI)
NPS	DN	OD (mm)	Thickness	Plain end mass	Thickness	Plain end mass	
			mm	kg/m	mm	kg/m	
1/2"	15	21.3	2.6	1.21	3.2	1.44	175
3/4"	20	26.9	2.6	1.56	3.2	1.87	175
1"	25	33.7	3.2	2.41	4.0	2.93	175
1-1/4"	32	42.4	3.2	3.10	4.0	3.79	175
1-1/2"	40	48.3	3.2	3.56	4.0	4.37	175
2"	50	60.3	3.6	5.03	4.5	6.19	175
2-1/2"	65	76.1	3.6	6.42	4.5	7.93	175
3"	80	88.9	4.0	8.36	5.0	10.30	175
4"	100	114.3	4.5	12.20	5.4	14.50	175
5"	125	139.7	5.0	16.60	5.4	17.90	175
6"	150	165.1	5.0	19.80	5.4	21.30	175



Roll groove dimensions



Steel Pipe

Available Size

Pipe size			Diameter tolerance		A, Gasket seat width		B, Groove width		C, Groove diameter			T, min	Max. flare dia.
Inch	DN	OD (mm)	-mm	+mm	mm	Tolerance	mm	Tolerance	mm	-mm	+mm	mm	mm
1"	25	33.4	0.33	0.33	15.88	-0.762mm +0.381mm	7.14	-0.381mm +0.762mm	30.2	0.38	0	1.65	36.3
1-1/4"	32	42.2	0.41	0.40	15.88		7.14		39.0	0.38	0	1.65	45.0
1-1/2"	40	48.3	0.41	0.40	15.88		7.14		45.1	0.38	0	1.65	51.1
2"	50	60.3	0.41	0.61	15.88		11.18		57.2	0.38	0	1.65	63.0
2-1/2"	65	73	0.41	0.74	15.88		11.18		69.1	0.38	0	2.11	75.7
3"	80	88.9	0.46	0.76	15.88		11.18		84.9	0.38	0	2.11	91.4
3-1/2"	90	101.6	0.46	0.76	15.88		11.18		97.4	0.51	0	2.11	104.1
4"	100	114.3	0.51	0.89	15.88		11.18		110.1	0.38	0	2.11	116.8
5"	125	141.3	0.56	1.42	15.88		11.18		150.7	0.38	0	2.77	143.8
6"	150	168.3	0.61	1.27	15.88		11.18		164.0	0.38	0	2.77	170.9
8"	200	219.1	0.61	1.27	19.05		11.91		214.4	0.51	0	2.77	223.5
10"	250	273	0.64	1.52	19.05		11.91		268.3	0.64	0	3.40	277.4
12"	300	323.8	0.64	1.52	19.05	11.91	318.3	0.64	0	3.96	328.2		

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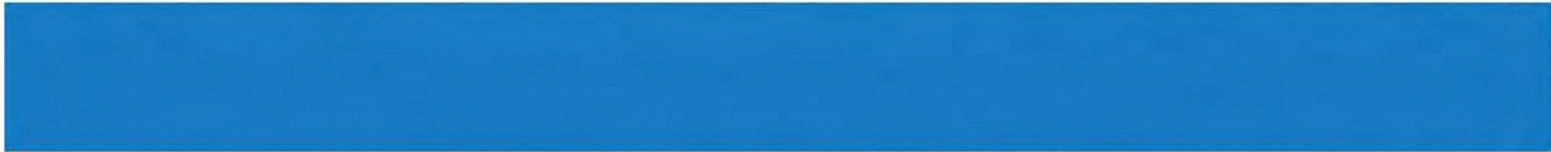
众志成城，共铸辉煌
Unity Together, Create Prosperity

INTEGRITY IS THE FOUNDATION SERVE THE SOCIETY

客户的满意始终是信跃的第一位
千锤百炼成就信跃品质
信跃，您可以信赖的伙伴
我们坚信品质是永续不变的潮流
信跃—行业的领航者

Customers' full satisfaction is always Xinyue's first priority
Severe controlled and steeled quality is Xinyue's soul
Do the respect and trustworthy enterprise
We firmly believe the quality is the permanent core
Xinyue - the pioneer of the industry





质量控制

信跃集团拥有专业的工程师, 优秀的生产团队以及严格的ISO9001质量管理体系, 时刻为客户打造安全、可靠、质量信得过的产品。

Xinyue Steel possess with professional engineers & first-class production team and strict ISO 9001 quality and safety management system, pursuing to provide customer with safe, reliable and quality trustworthy products.

Quality Control

信跃坚持以质量求生存, 以技术进步谋发展, 始终把打造精品作为企业生存的基本法则, 通过原料质量控制、生产过程质量控制和成品检测控制, 保证为客户提供满意合格的产品。

Insisting on the tenet of "Survive With Quality, Develop With Advanced Technology", Xinyue always provide customers with "Quality Trustworthy Products", under the strict control on the raw material inspection, online production inspection, finished pipe inspection and delivery.

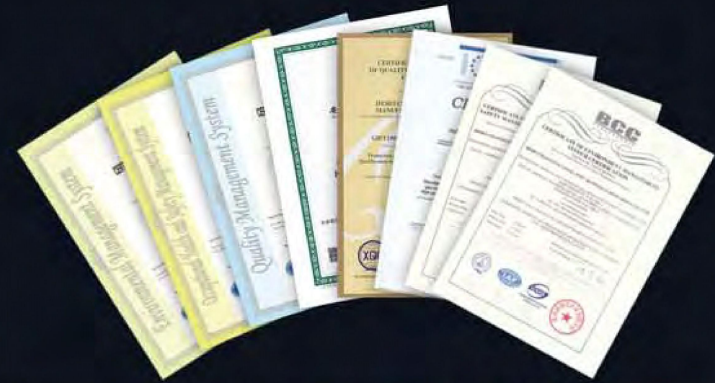
Installed with well equipped laboratory, Xinyue can perform full set of experiments according to various domestic and international standards, including Chemical Composition Analysis, Metallographic Analysis, Mechanical Property Test, Tension Test, Bending Test, Flattening Test, Hardness Test, Impact Test, Drop Weight Tear Test, and etc.



众志成城，共铸辉煌
Unity Together, Create Prosperity

QUALIFICATIONS

and honors 资质荣誉……



Honor Witness History
Strength Prospect Future

HONOR