



YOUFA STEEL PIPE GROUP

TOP 500 ENTERPRISES OF CHINA INDUSTRY LEADING BRANDS

YSP

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YOUFA STEEL PIPE GROUP

Youfa is the strongest welded steel pipe manufacturing group around China.

Brand "YSP" is the leading and outstanding brand in the industry.

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Profile of the Group

Tianjin YouFa Steel Pipe Group Co., Ltd. was founded on July 1st, 2000, with the headquarters located at the largest steel pipe production base in China—Daqiu Zhuang Village, Tianjin City, and it is the largest steel pipe manufacturing enterprise producing many kinds of steel pipes, including ERW steel pipe, hot dipped galvanized steel pipe(Round, Square / Rectangular, Spiral), square and rectangular steel pipe, steel pipe of lining plastic, plastic-coated steel pipe, spiral steel pipe, highway materials and processing "Youfa" and "Zhengjinyuan" brands. Now it has formed three production bases in Tianjin, Tangshan and Handan, owns 9 steel pipe enterprises with a total of 152 production lines, 1 highway protecting plate factory, 1 waste acid and wastewater processing plant, nearly 10,000 employees, 2 approved national level laboratories and the only one industry-university-research R&D institution in the industry—"Tianjin Welded Steel Pipe Technology Engineering Center". Products produced by three production bases are sold to 100 countries and regions. It produced over 12 million tons of various steel pipes in 2016. In case of head-to-tail connection of steel pipes produced by Youfa every week, they will make a circuit of the earth. Youfa's production and sales volume have ranked No. 1 for consecutive 10 years in China. And it has ranked among top 500 enterprises in China and top 500 enterprises in China's manufacturing industry.

Quality is the life of the enterprise. Youfa strictly controls product quality by virtue of 5 links—raw material

link, equipment link, technology link, management link and inspection link. Youfa brand steel pipes have been successfully applied to Three Gorges Project, Pudong International Airport, Capital International Airport, Beijing Olympic Stadium, Shanghai World Expo Exhibition Hall, Jiaozhou Bay Cross-sea Bridge, the tallest building in China—117 Building in Tianjin, Beijing—Zhangjiakou Olympic Winter Games stadium, Beijing Z15 Tower, Tian'anmen Parade Reviewing Stand, Shanghai Disneyland Park and other national priority projects. It has been recognized as No. 1 brand in the industry.

We Youfa are always taking "Going beyond ourselves, Making partners succeed, Realizing hundred years of Youfa and Creating harmony together" as vocation, and always holding fast the core value of "Honesty, Mutuality, Virtue and Partnership". Based on the cooperation with our partners, we will unswervingly keep building Tianjin Youfa to be a respected and happy enterprise!

Youfa Steel Pipe, selling to and supporting the whole world!



Tianjin Youfa International Trade Co., Ltd

Tianjin Youfa International Trade Co., Ltd, was founded in March, 2010. It is a subsidiary of Youfa Steel Pipe Group. The company is located in 7th Floor, Guotou Building, Dafeng Road, Hongqiao District, Tianjin City. The office covers an area of 1000m². There are about 60 employees; among them more than 40 have CET-6 certificate and some even better. We company's annual sales of steel products are nearly 250,000.00 tons.

Adapting to the overall development strategy of Youfa Steel Pipe Group—approaching the world and servicing globally—at the beginning of 2010, the Group established Tianjin Youfa International Trade Co., Ltd as the foreign trade window of Youfa Steel Pipe Group to be responsible for exportation and importation, and to be in charge of the exports and imports trade business, and the supply of materials to overseas projects for some large domestic enterprises. With several years of hard work, we have established export business relationship with many big Transnational Enterprises. Based on the high quality and the considerate service, our products have set up a prominent brand image at home and abroad. The markets we serve mainly include: Middle & South America, the Southeast Asia, Middle East and Africa and so on, nearly covering 100 countries and regions, Helping us obtaining a well-deserved reputation. We have built a long-term cooperation with many clients, and have received word of praise from customers all over the world.

Our products meet the following standards: API5L/5CT、ASTM A53/A500、ASTM A795、EN10219/10255、BS1387、EN39、ISO65、DIN2440、JIS G3444/3466, etc. and are approved by the Third Party. They are widely used in oil and natural gas, low pressure liquid and mineral powder delivery, and for industrial and



civil construction fields and for piles field. Caring about the quality of products and services, possessing normative QAS, we have acquired certificates of API5L/5CT, ISO9001, ISO14001, ISO18001, EN10219, FPC and UL quality system.

In order to provide customers a more personalized service, we founded Tianjin Youfa Hongtuo Steel Pipe Manufacture Co., Ltd as processing factory, specially designed for our clients demands. It covers an area of 20,000 square meters. There are about 200 employees, 10 lathes, 7 cutting machines, 2 sets of grooving machine, 2 sets of automatic paint or oil production line. Be committed to meeting customers' various after-processing requirements.

Pursuing the "Customer first, Integrity first" principle, we are sincerely expecting to cooperate with you!

Organizational Structure



Chairman of
Youfa Steel Pipe Group: Li Maojin



CEO of
Youfa Steel Pipe Group: Yin Jiuxiang



TOP 500 ENTERPRISES OF CHINA

TEN MILLION TONS PRODUCTION CHINESE STEEL PIPE MANUFACTURER

TOP 500 ENTERPRISES OF CHINA'S MANUFACTURING INDUSTRY

INDUSTRY PREFERRED BRAND

Electrical Resistance Weld Pipe - ERW

Manufacture Procedures



Hot-Dipped Galvanized Steel Pipe

Manufacture Procedures



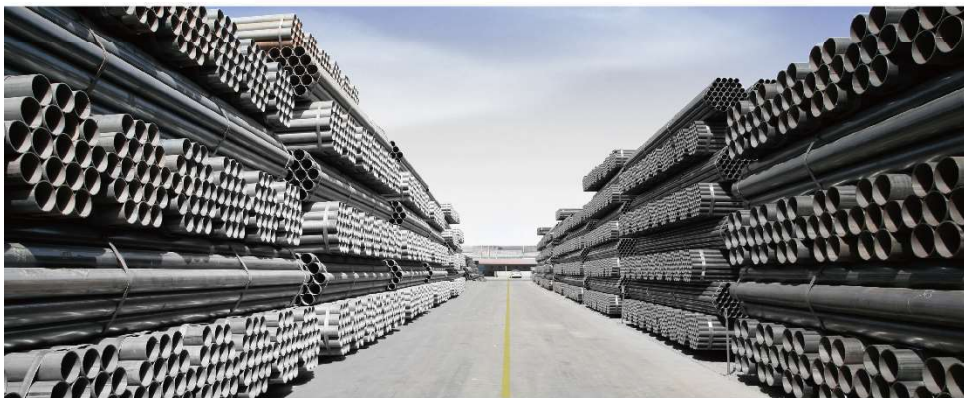
Galvanized Steel Pipe of Lining Plastic

Manufacture Procedures





ERW Steel Pipe Production Line



ERW Steel Pipe Yard

ERW Steel Pipe

Size: DN15-600mm

Usage: low pressure liquid delivery such as water, gas, air, oil and steam and for machine structural purposes

Hot Dipped Galvanized Steel Pipe

Round Pipe: DN15-200mm

Square Pipe: 20x20-200x200mm

Rectangular Pipe: 20x40-100x200mm

Spiral Pipe: 219-1420mm

Usage: delivery of low pressure liquid such as water, gas, air, steam for heating and for machine structural purposes



Tangshan Zhengyuan Hot Dipped Galvanized Steel Pipe Yard



Hot Dipped Galvanized Square Pipe



Hot Dipped Galvanized Spiral Welded Steel Pipe



Hot Dipped Galvanized ERW Steel Pipe

Processing Factory

Tianjin Youfa Hongtuo Steel Pipe Manufacture Co., Ltd



Grooved with Caps



Cut in Short Length



PVC Wrapped



Oiled and PVC Wrapped



Threaded with Coupling



Painted

Youfa Laboratory and Quality Control



直读光谱仪
Direct reading spectrometer



落锤冲击试验机
Drop hammer impact test machine



快速智能定硫仪
Fast intelligent sulfur determination instrument



电子万能试验机
Electronic universal testing machine

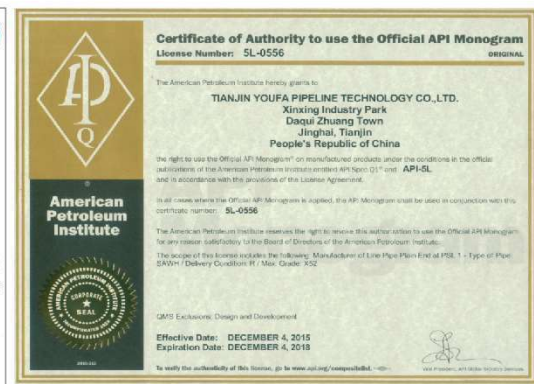


维氏硬度计
Vitorinox hardness tester



盐雾试验箱
Salt spray test box

Honor & Certificates



Steel Pipe Standards

Specifications		Application	Chemical Requirement(%)						Physical Requirement	
			C (Max)	Si (Max)	Mn (Max)	P (Max)	S (Max)	Others	Tensile Strength Min Mpa (Psi)	Yield Strength Min Mpa (Psi)
BS EN39	S235GT	Scaffolding tube	0.2	a,b	1.4	0.04	0.045	0.020(AI)	340/520	235
BS EN10255	L	Carbon Steel pipes for ordinary piping	0.2	-	1.4	0.035	0.03	-	320-520MPa	195MPa
	M							-		
	H							-		
BS EN10219	S235JRH	Colded formed hollow section	0.17	-	1.4	0.045	0.045	0.009(N)	360-510Mpa (<3mm) 340-470Mpa (>3 < 40mm)	235Mpa (<16mm) 225Mpa (>16 < 40mm)
	S275JOH		0.2	-	1.5	0.04	0.04	0.009(N)	430-580Mpa (<3mm) 410-560Mpa (>3 < 40mm)	275Mpa (<16mm) 265Mpa (>16 < 40mm)
	S275J2H		0.2	-	1.5	0.035	0.035	-	510-680Mpa (<3mm) 490-630Mpa (>3 < 40mm)	355Mpa (<16mm) 345Mpa (>16 < 40mm)
	S355JOH		0.2	0.55	1.6	0.04	0.04	0.009(N)	510-680Mpa (<3mm) 490-630Mpa (>3 < 40mm)	355Mpa (<16mm) 345Mpa (>16 < 40mm)
	S355J2H		0.2	0.55	1.6	0.035	0.035	-	510-680Mpa (<3mm) 490-630Mpa (>3 < 40mm)	355Mpa (<16mm) 345Mpa (>16 < 40mm)
BS1387	CLASS A	Carbon steel pipe	0.2	-	1.2	0.045	0.045	-	320-460Mpa	195Mpa
	CLASS B									
	CLASS C									
BS3059	320	For Boiler	0.16	0.35	0.30-0.70	0.04	0.04	-	320-480Mpa	195Mpa
BS3601	320	Pipes for Pressure Service	0.16	-	0.30-0.70	0.04	0.04	-	320-460Mpa	195Mpa
	360		0.17	0.35	0.40-0.80			-	360-500Mpa	235Mpa
	430		0.21		0.40-1.20			-	430-570Mpa	275Mpa
BS6323 Part 5 Type KM	ERW 1	Carbon Steel pipes for Mechanical Structural Purposes and General Structural Purposes	0.13	-	0.6	0.05	0.05	-	300Mpa	200Mpa
	ERW 2		0.16	-	0.7			-	340Mpa	250Mpa
	ERW 3		0.2	0.35	0.9			-	400Mpa	300Mpa
	ERW 4		0.25		1.2			-	450Mpa	350Mpa
	ERW 5		0.23	0.5	1.5			-	500Mpa	420Mpa
ISO65	L II	Carbon steel tubes for screwing	0.2	-	1.4	0.035	0.03	-	320-520MPa	195MPa
	L I									
	M									
	H									

Elongation Min(%)		Flattening Test	Bend Test	Hydrostatic & NDT	Others
Longitudinal Direction	Transverse Direction				
24	-	at 0°C or 90°C to the direction of flattening	-	-	-
20	-	Larger than DN50 Weld portion :H=0.75D The other side of weld portion:H=0.6D	DN 50 and Smaller		50Bar or NDT *Copper sulfate test: 4 times(1 minute)
			D	21 27 34 42 48 60	
24 ≤40mm	20 (°C)	-	-	-	-
20 ≤40mm	0	-	-	-	-
	-20				
20 ≤40mm	0	-	-	-	-
	-20				
20	-	≤DN50 without showing either crack or flaw	≤DN50 withstand the test without showing any signs of fracture or failure	50Bar or NDT	hot dip galvanized steel pipe, Threaded if need
25		H=(1+C)t/(C+1/D) ; C:0.10	-	P=20Sa/D Or NDT P: Test Pressure(bar) D: Outside Diameter(mm) a: Specified Thickness(mm) S: 80% of the specified minimum yield strength (N/mm ²)	*Drift expanding test *Full body Normalizing
25		H=(1+C) t/(C+1/D))*C: Constant	Gr	Weld Portion	Other
			320	0.029	0.1
25			300	0.020	0.08
			430	0.023	0.08
22					
10	D/16	H=0.66D	-	50 Bars or P=20Sa/D P: Test Pressure(bar) D: Outside Diameter(mm) a: Specified Thickness(mm) S: 80% of the specified minimum yield strength(N/mm ²) or NDT	*Minimum expansion drift
8		H=0.75D			*Type GKM, GZF
7		H=0.85D			annealing
6		H=0.85D			*Type NKM, NZF
6		H=0.85D			Normalizing
20	-	-	-	50Bar	-

BS EN 10255 Steel Tubes and Tubular Suitable for Screwing to BS EN 10226 Pipe Threads

Series	Nominal Size	Outside Diameter				Wall Thickness		Mass of Black Tube						
		Max		Min				Plain End			Screwed and Socketed			
		-	DN	in	mm	in	mm	in	mm	lb/ft	kg/t	kg/m	lb/ft	kg/t
H	1/2	15	0.858	21.8	0.827	21.0	0.126	3.2	0.968	0.439	1.44	0.974	0.442	1.45
	3/4	20	1.075	27.3	1.043	26.5	0.126	3.2	1.257	0.570	1.87	1.263	0.573	1.88
	1	25	1.346	34.2	1.311	33.3	0.157	4.0	1.969	0.893	2.93	1.982	0.899	2.95
	1 1/4	32	1.689	42.9	1.654	42.0	0.157	4.0	2.547	1.155	3.79	2.567	1.164	3.82
	1 1/2	40	1.921	48.8	1.886	47.9	0.157	4.0	2.937	1.332	4.37	2.963	1.344	4.41
	2	50	2.394	60.8	2.350	59.7	0.177	4.5	4.159	1.887	6.19	4.207	1.908	6.26
	2 1/2	65	3.016	76.6	2.965	75.3	0.177	4.5	5.329	2.417	7.93	5.409	2.454	8.05
	3	80	3.524	89.5	3.465	88.0	0.197	5.0	6.921	3.139	10.3	7.056	3.200	10.5
	4	100	4.528	115.0	4.453	113.1	0.213	5.4	9.744	4.420	14.5	9.945	4.511	14.8
	5	125	5.543	140.8	5.453	138.5	0.213	5.4	12.028	5.456	17.9	12.364	5.608	18.4
	6	150	6.555	166.5	6.453	163.9	0.213	5.4	14.313	6.492	21.3	14.716	6.675	21.9
	1/2	15	0.858	21.8	0.827	21.0	0.102	2.6	0.813	0.369	1.21	0.820	0.372	1.22
3/4	20	1.075	27.3	1.043	26.5	0.102	2.6	1.048	0.475	1.56	1.055	0.479	1.57	
M	1	25	1.346	34.2	1.311	33.3	0.126	3.2	1.619	0.735	2.41	1.633	0.741	2.43
	1 1/4	32	1.689	42.9	1.654	42.0	0.126	3.2	2.083	0.945	3.1	2.103	0.954	3.13
	1 1/2	40	1.921	48.8	1.886	47.9	0.126	3.2	2.392	1.085	3.56	2.419	1.097	3.6
	2	50	2.394	60.8	2.350	59.7	0.142	3.6	3.380	1.533	5.03	3.427	1.554	5.1
	2 1/2	65	3.016	76.6	2.965	75.3	0.142	3.6	4.314	1.957	6.42	4.395	1.993	6.54
	3	80	3.524	89.5	3.465	88.0	0.157	4.0	5.618	2.548	8.36	5.732	2.600	8.53
	4	100	4.528	115.0	4.453	113.1	0.177	4.5	8.198	3.179	12.2	8.400	3.810	12.5
	5	125	5.543	140.8	5.453	138.5	0.197	5.0	11.155	5.060	16.6	11.491	5.212	17.1
	6	150	6.555	166.5	6.453	163.9	0.197	5.0	13.305	6.035	19.8	13.703	6.218	20.4



BS 1387/85 Steel Tubes and Tubulars Suitable for Screwing to BS 21 Pipe Threads

Series	Nominal Size	Outside Diameter				Wall Thickness		Mass of Black Tube						
		Max		Min				Plain End			Screwed and Socketed			
		-	DN	in	mm	in	mm	in	mm	lb/ft	kg/t	kg/m	lb/ft	kg/t
Light	1/2	15	0.841	21.4	0.825	21.0	0.080	2.0	0.636	0.289	0.947	0.646	0.293	0.956
	3/4	20	1.059	26.9	1.041	26.4	0.090	2.3	0.927	0.421	1.38	0.954	0.433	1.39
	1	25	1.328	33.8	1.309	33.2	0.104	2.6	1.330	0.604	1.98	1.360	0.617	2
	1 1/4	32	1.670	42.5	1.650	41.9	0.104	2.6	1.710	0.774	2.54	1.750	0.794	2.57
	1 1/2	40	1.903	48.4	1.882	47.8	0.116	2.9	2.170	0.985	3.23	2.220	1.010	3.27
	2	50	2.370	60.2	2.347	59.6	0.116	2.9	2.740	1.240	4.08	2.810	1.270	4.15
	2 1/2	65	2.991	76.0	2.960	75.2	0.126	3.2	3.840	1.740	5.71	3.980	1.810	5.83
	3	80	3.491	88.7	3.460	87.9	0.126	3.2	4.520	2.050	6.72	4.490	2.130	6.89
	4	100	4.481	113.9	4.450	113.0	0.142	3.6	6.550	2.970	9.75	6.840	3.100	10
Medium	1/2	15	0.586	21.7	0.831	21.1	0.104	2.6	0.813	0.369	1.21	0.828	0.376	1.22
	3/4	20	1.072	27.2	1.047	26.6	0.104	2.6	1.050	0.475	1.56	1.070	0.485	1.57
	1	25	1.346	34.2	1.316	33.4	0.126	3.2	1.620	0.735	2.41	1.650	0.748	2.43
	1 1/4	32	1.687	42.9	1.657	42.1	0.126	3.2	2.080	0.945	3.1	2.130	0.966	3.13
	1 1/2	40	1.919	48.8	1.889	48.0	0.126	3.2	2.400	1.090	3.57	2.460	1.120	3.61
	2	50	2.394	60.8	2.354	59.8	0.142	3.6	3.380	1.530	5.03	3.470	1.570	5.1
	2 1/2	65	3.014	76.6	2.969	75.4	0.142	3.6	4.320	1.960	6.43	4.460	2.020	6.55
	3	80	3.524	89.5	3.469	88.1	0.157	4.0	5.620	2.550	8.37	5.800	2.630	8.54
	4	100	4.524	114.9	4.459	113.3	0.177	4.5	8.200	3.720	12.2	8.340	3.780	12.5
	5	125	5.534	140.6	5.549	138.7	0.196	5.0	11.15	5.060	16.6	11.20	5.080	17.1
	6	150	6.539	166.1	6.459	164.1	0.196	5.0	13.24	6.000	19.7	13.30	6.030	20.3
	1/2	15	0.856	21.7	0.831	21.1	0.126	3.2	0.968	0.439	1.44	0.983	0.446	1.45
	3/4	20	1.072	27.2	1.047	26.6	0.126	3.2	1.260	0.570	1.87	1.280	0.581	1.88
Heavy	1	25	1.346	34.2	1.316	33.4	0.157	4.0	1.980	0.896	2.94	2.010	0.912	2.96
	1 1/4	32	1.687	42.9	1.657	42.1	0.157	4.0	2.550	1.160	3.8	2.600	1.180	3.83
	1 1/2	40	1.919	48.8	1.889	48.0	0.157	4.0	2.940	1.340	4.38	3.010	1.370	4.42
	2	50	2.394	60.8	2.354	59.8	0.177	4.5	4.160	1.890	6.19	4.190	1.900	6.26
	2 1/2	65	3.014	76.6	2.969	75.4	0.177	4.5	5.330	2.420	7.93	5.390	2.440	8.05
	3	80	3.524	89.5	3.469	88.1	0.196	5.0	6.920	3.140	10.3	6.870	3.120	10.5
	4	100	4.524	114.9	4.459	113.3	0.212	5.4	9.740	4.420	14.5	9.910	4.500	14.8

