



ENTERPRISE INTRODUCTION

TIANJIN BAOLAI STEEL INDUSTRY GROUP CO., LTD is a comprehensive company, which focus on seamless pipe,welded 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. 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" by Tianjin government in two consecutive years, 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.

Tianjin BAOLAI International Trade Co.,. Ltd. (BLINTL) is a wholly owned subsidiary of TIANJIN BAOLAI STEEL INDUSTRY GROUP CO., LTD, fully responsible for global marketing and sales of all types of seamless steel tube products. BLINTL has been successfully managing BAOLAI STEEL INDUSTRY's overseas companies, offices and designated partners to bring us closer to our customers and provide the best level of services to the clients. We warmly welcome and anticipate interest, inquiries and orders from the valuable customers and clients, the long time, new and potential ones, and look forward to becoming your source of first choice and

long term partner for pipe and tube and other products now and in the future. We welcome you to visit us anytime for plant tour, business discussion and order execution.

The principal products for export are: seamless pipes of OCTG, line pipe, boiler tube, cylinder pipe, hydraulic support pipe,structural pipe, slotted pipe and other special pipes, and also cold-rolled stainless steel coil, copper rod, PPGL, stainless seamless and welded pipe, fittings, valve and equipment for oil extraction.

Since its establishment in 1991,BAOLAI STEEL INDUSTRY GROUP has been many times one of the top 50 exporters in Tianjin steel pipe industry,and one of the top 500 enterprises in China foreign trade for eleven years since 2003. In 2008 its import and export value totaled up to 0.2 billion U.S dollars, among which export value exceeded 0.15 billion dollars, all reach a historic high level. In 2018, BLINTL exported 50000 tons seamless pipe.

BLINTL has obtained the API Certificate of Authority to Use API Official Monogram,API 5CT, the certifications of ISO9001 series of quality systems, ISO14001 environmental protection system, OHSMS-18001 Occupational Health & Safety Management System, the inspection exemption in seamless casing exporting honored by the National Bureau of Quality Inspection and in succession certifications by more than 80 national oil companies, international oil companies, engineering companies and end users in other industries.



QUALIFICATION
HONOR





BAOLAI List of Specifications

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)
API 5L (PSL 1)	L175(A25)	Line Pipe	0.21	0.50	0.60	—	—	—	310MPa (45000 psi)	175MPa (25400 psi)
	L175P(A25P)			—		0.030	310MPa (45000 psi)	175MPa (25400 psi)		
	L210(A)		0.22	0.90	0.045-0.080	—	335MPa (48600 psi)	210MPa (30500 psi)		
	L245(B)		0.26	1.20	0.030	—	415MPa (60200 psi)	290MPa (42100 psi)		
	L290(X42)			1.30		—	415MPa (60200 psi)	320MPa (46400 psi)		
	L320(X46)			—			435MPa (63100 psi)	290MPa (42100 psi)		
	L360(X52)			—			460MPa (66700 psi)	360MPa (46400 psi)		
	L390(X56)			—			490MPa (71100 psi)	390MPa (56600 psi)		
	L415(X60)			—			520MPa (75400 psi)	415MPa (60200 psi)		
	L450(X65)			1.45		—	—	—	535MPa (77600 psi)	450MPa (65300 psi)
	L480(X70)			1.65		—	—	—	570MPa (82700 psi)	465MPa (70300 psi)
API 5L (PSL 2)	L245M(BM)	Line Pipe	0.22	—	1.20	0.025	0.015	CE(Pcm) ≤0.25% CE(IIW) ≤0.43%	415~760MPa (60200~110200 psi)	245~450MPa (35500~65300 psi)
	L290M(X42M)				1.30				415~760MPa (60200~110200 psi)	290~495MPa (42100~71800 psi)
	L320M(X46M)				1.40				435~760MPa (60100~110200 psi)	320~525MPa (46400~76100 psi)
	L360M(X52M)								460~760MPa (66700~110200 psi)	360~530MPa (52200~76900 psi)
	L390M(X56M)								490~760MPa (71100~110200 psi)	390~545MPa (56600~79000 psi)
	L415M(X60M)								490~760MPa (71100~110200 psi)	390~545MPa (56600~79000 psi)
	L460M(X66M)				1.45				520~760MPa (75400~110200 psi)	415~565MPa (60200~81900 psi)
	L485M(X70M)				1.65				520~760MPa (82700~110200 psi)	485~635MPa (70300~92100 psi)
	L555M(X80M)				1.85				625~825MPa (90600~119700 psi)	555~705MPa (80500~102300 psi)
API 5CT	J-55	Casing & Tubing	—	—	—	0.03	0.03	—	517Mpa (75000) psi	379~552MPa (55000~80000 psi)
	K-55		—	—	—				655Mpa (95000) psi	379~552MPa (55000~80000 psi)
	N-80		—	—	—				689Mpa (100000) psi	552~758MPa (80000~11000 psi)
	L-80		—	—	—				655Mpa (95000) psi	552~655MPa (80000~95000 psi)
	P-110		—	—	—				862Mpa (125000) psi	758~965MPa (110000~14000 psi)
ASTM A53	A	Carbon Steel pipes for Ordinary piping	0.25	—	0.95	0.05	0.045	Cu,Cr,Ni ≤0.40	330MPa (48000 psi)	205MPa (30000 psi)
	B		0.30	—	1.20	0.05	0.045	MO≤0.15 V≤0.08	415MPa (60000 psi)	240MPa (35000 psi)

ASTM A500 Round Tubes

Nominal Size	Outside Diameter		Wall Thickness		Weight		
	in	mm	in	mm	lb/ft	kg/ft	kg/m
1/2	0.840	21.3	0.109	2.77	0.85	0.39	1.27
3/4	1.050	26.7	0.113	2.87	1.13	0.51	1.69
1	1.315	33.4	0.104	2.64	1.34	0.61	2.00
1 1/4	1.660	42.2	0.110	2.79	1.81	0.82	2.71
	1.660	42.2	0.140	3.56	2.27	1.03	3.39
1 1/2	1.660	42.2	0.191	4.85	3.00	1.36	4.47
	1.900	48.3	0.114	2.90	2.17	0.98	3.25
	1.900	48.3	0.145	3.68	2.72	1.23	4.05
2	1.900	48.3	0.200	5.08	3.63	1.64	5.41
	2.375	60.3	0.121	3.07	2.92	1.32	4.33
	2.375	60.3	0.154	3.91	3.65	1.66	5.44
2 1/2	2.375	60.3	0.218	5.54	5.02	2.28	7.48
	2.875	73.0	0.156	3.96	4.53	2.05	6.74
	2.875	73.0	0.188	4.78	5.40	2.45	8.04
3	2.875	73.0	0.203	5.16	5.79	2.63	8.63
	2.875	73.0	0.276	7.01	7.66	3.47	11.41
3 1/2	3.500	88.9	0.156	3.96	5.58	2.53	8.29
	3.500	88.9	0.188	4.78	6.63	3.01	9.92
	3.500	88.9	0.226	5.49	7.58	3.44	11.29
4	4.000	101.6	0.156	3.96	6.40	2.90	9.53
	4.000	101.6	0.188	4.78	7.63	3.46	11.41
	4.000	101.6	0.226	5.74	9.11	4.13	13.57
5	4.500	114.3	0.156	3.96	7.25	3.29	10.78
	4.500	114.3	0.188	4.78	8.64	3.92	12.91
	4.500	114.3	0.219	5.56	10.00	4.54	14.91
6	4.500	114.3	0.237	6.02	70.79	4.89	16.07
	4.500	114.3	0.337	8.56	14.98	6.79	22.32
8	5.563	141.3	0.258	6.55	14.62	6.63	21.77
10	5.563	141.3	0.375	9.53	20.78	9.43	30.97
12	6.625	168.3	0.280	7.11	18.97	8.60	28.26
	8.625	219.1	0.322	8.18	28.55	12.95	42.55
14	8.625	219.1	0.500	12.70	43.39	19.68	64.64
	10.750	273.0	0.365	9.27	40.48	18.36	60.29
16	10.750	273.0	0.500	12.70	54.74	24.83	81.52
	12.750	323.8	0.375	9.53	49.56	22.48	73.78
18	12.750	323.8	0.500	12.70	65.42	29.67	97.43
	14.000	355.6	0.375	9.52	54.57	24.75	81.25
20	14.000	355.6	0.500	12.70	72.09	32.70	107.39
	16.000	406.4	0.375	9.52	62.58	28.39	93.17
22	16.000	406.4	0.500	12.70	82.77	37.54	123.30

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft



API 5CT Tubing (OCTG : Oil Country Tubular Goods)

Size	Outside Diameter(D)		Wall Thickness(t)		Weight(Wpe)		Hydrostatic test Pressure(psi)				
	in	mm	in	mm	lb/ft	kg/m		H40	J55	N80	L80
3/4	1.050	26.7	0.113	2.9	1.13	1.70	Std	3000	3000	3000	3000
							Alt	6900	9500	—	—
			0.154	3.9	1.48	2.19	Std	3000	3000	3000	3000
							Alt	9400	10000	—	—
1	1.315	33.4	0.133	3.4	1.68	2.52	Std	3000	3000	3000	3000
							Alt	6500	8900	—	—
			0.179	4.5	2.17	3.21	Std	3000	3000	3000	3000
							Alt	8700	10000	—	—
1 1/4	1.660	42.2	0.125	3.2	2.05	3.08	Std	3000	3000	3000	3000
							Alt	4800	6600	—	—
			0.140	3.6	2.27	3.43	Std	3000	3000	—	—
							Alt	5400	7400	—	—
			0.191	4.9	3.00	4.51	Std	3000	3000	3000	3000
							Alt	7400	10000	—	—
			0.125	3.2	2.37	3.56	Std	3000	3000	3000	3000
							Alt	4200	5800	—	—
1 1/2	1.900	48.3	0.145	3.7	2.72	4.07	Std	3000	3000	3000	3000
							Alt	4900	6700	—	—
			0.200	5.1	3.63	5.43	Std	3000	3000	3000	3000
							Alt	6700	9300	—	—
			0.250	6.4	4.41	6.60	Std	—	—	—	3000
							Alt	—	—	—	—
			0.300	7.6	5.13	7.63	Std	—	—	—	3000
							Alt	—	—	—	—
2 3/8	2.375	60.3	0.167	4.2	3.94	5.81	Std	3000	3000	3000	3000
							Alt	4500	6200	—	—
			0.190	4.8	4.44	6.57	Std	3000	3000	3000	3000
							Alt	5100	7000	—	—
			0.254	6.5	5.76	8.62	Std	—	—	—	3000
							Alt	—	—	—	—
			0.295	7.5	6.56	9.77	Std	—	—	—	3000
							Alt	—	—	—	—
2 7/8	2.875	73.0	0.336	8.5	7.67	10.86	Std	—	—	—	3000
							Alt	—	—	—	—
			0.217	5.5	6.17	9.16	Std	3000	3000	3000	3000
							Alt	4800	6600	—	—
			0.276	7.0	7.32	11.39	Std	—	—	3000	3000
							Alt	—	—	—	—
			0.308	7.8	8.45	12.54	Std	—	—	3000	3000
							Alt	—	—	—	—
			0.340	8.6	9.21	13.66	Std	—	—	—	3000
							Alt	—	—	—	—
			0.392	10.0	10.40	15.54	Std	—	—	—	3000
							Alt	—	—	—	—
			0.440	11.2	11.45	17.07	Std	—	—	—	3000
							Alt	—	—	—	—
							Std	—	—	—	—
							Alt	—	—	—	—

API 5CT Tubing (OCTG : Oil Country Tubular Goods)

Size	Outside Diameter(D)		Wall Thickness(t)		Weight(Wpe)		Hydrostatic test Pressure(psi)				
	in	mm	in	mm	lb/ft	kg/m		H40	J55	N80	L80
3 1/2	3.500	88.9	0.216	5.5	7.58	11.31	Std	3000	3000	3000	3000
							Alt	3900	5400	—	—
			0.254	6.5	8.81	13.21	Std	3000	3000	3000	3000
							Alt	4600	6400	—	—
			0.289	7.3	9.92	14.69	Std	3000	3000	3000	3000
							Alt	5300	7300	—	—
			0.375	9.5	12.53	18.60	Std	—	—	—	3000
							Alt	—	—	—	—
			0.430	10.9	14.11	20.97	Std	—	—	—	3000
							Alt	—	—	—	—
			0.476	12.1	15.39	22.92	Std	—	—	—	—
							Alt	—	—	—	—
4	4.000	101.6	0.530	13.5	16.83	25.10	Std	—	—	—	3000
							Alt	—	—	—	—
			0.226	5.7	9.12	13.48	Std	3000	3000	3000	3000
							Alt	3600	5000	—	—
			0.262	6.7	10.47	15.68	Std	3000	3000	3000	3000
							Alt	4200	5800	—	—
			0.330	8.4	12.95	19.31	Std	—	—	—	3000
							Alt	—	—	—	—
			0.415	10.5	15.90	23.59	Std	—	—	—	3000
							Alt	—	—	—	—
			0.500	12.7	18.71	27.84	Std	—	—	—	3000
							Alt	—	—	—	—
4 1/2	4.500	114.3	0.610	15.5	22.11	32.91	Std	—	—	—	3000
							Alt	—	—	—	—
			0.271	6.9	12.25	18.27	Std	3000	3000	3000	3000
							Alt	3900	5300	—	—
			0.337	8.6	15.00	22.42	Std	—	—	—	3000
							Alt	—	—	—	—
			0.380	9.7	16.77	25.02	Std	—	—	—	3000
							Alt	—	—	—	—
			0.430	10.9	18.71	27.79	Std	—	—	—	3000
							Alt	—	—	—	—
			0.500	12.7	21.38	31.82	Std	—	—	—	3000
							Alt	—	—	—	—
			0.560	14.2	23.59	35.05	Std	—	—	—	3000
							Alt	—	—	—	—
			0.630	16.0	26.06	38.79	Std	—	—	—	3000
							Alt	—	—	—	—
							Std	—	—	—	—
							Alt	—	—	—	—



API 5CT Tubing (OCTG : Oil Country Tubular Goods)

API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Size	Outside Diameter(D)		Wall Thickness(t)		Weight(Wpe)		Hydrostatic test Pressure(psi)					
	in	mm	in	mm	lb/ft	kg/m		H40	J55/K55	M65	N80	L80
4 1/2	4.500	114.3	0.205	5.2	9.41	13.99	Std	2900	3000	3000	—	—
							Alt	—	4000	—	—	—
			0.224	5.7	10.24	15.27	Std	—	3000	3000	—	—
							Alt	—	4400	—	—	—
			0.250	6.4	11.36	17.03	Std	—	3000	3000	3000	3000
							Alt	—	4900	—	—	—
6 5/8	6.625	168.3	0.290	7.4	13.05	19.51	Std	—	—	3000	3000	3000
							Alt	—	—	—	—	—
			0.337	8.6	15.00	22.42	Std	—	—	—	—	—
							Alt	—	—	—	—	—
			0.288	7.3	19.51	28.98	Std	2800	2700	3000	—	—
							Alt	—	—	—	—	—
8 5/8	8.625	219.1	0.352	8.9	23.60	34.98	Std	—	—	—	—	—
							Alt	—	—	—	—	—
			0.417	10.6	27.67	41.22	Std	—	3000	3000	—	—
							Alt	—	3600	—	—	—
			0.415	12.1	31.23	46.61	Std	—	3000	3000	3000	3000
							Alt	—	4100	—	—	—
10 3/4	10.750	273.1	0.264	6.7	23.60	35.09	Std	—	—	3000	3000	3000
							Alt	—	—	—	—	—
			0.304	7.7	27.04	40.14	Std	2300	—	3000	3000	3000
							Alt	—	—	—	—	—
			0.352	8.9	31.13	46.13	Std	2600	—	—	3000	3000
							Alt	—	—	—	—	—
			0.400	10.2	35.17	52.55	Std	—	—	—	—	—
							Alt	—	—	—	—	—
			0.450	11.4	39.33	58.39	Std	—	—	—	—	—
							Alt	—	—	—	—	—
16	16.000	406.4	0.500	12.7	43.43	64.64	Std	—	—	—	—	—
							Alt	—	—	—	—	—
			0.557	14.1	48.04	71.28	Std	—	—	—	—	—
							Alt	—	—	—	—	—
			0.279	7.1	31.23	46.57	Std	1200	—	—	—	—
							Alt	1700	—	—	—	—
			0.350	8.9	38.91	57.99	Std	1600	2100	3000	—	—
							Alt	2100	2900	—	—	—
			0.400	10.2	44.26	66.13	Std	—	2500	3900	—	—
							Alt	—	3300	—	—	—
20	20.000	508.0	0.450	11.4	49.55	73.57	Std	—	2800	3000	3000	3000
							Alt	—	3700	—	—	—
			0.495	12.6	54.26	80.94	Std	—	—	3000	3000	3000
							Alt	—	—	—	—	—
			0.545	13.8	59.45	88.24	Std	—	—	—	—	—
							Alt	—	—	—	—	—
			0.595	15.1	64.59	96.07	Std	—	—	—	—	—
							Alt	—	—	—	—	—
			0.672	17.1	72.40	107.95	Std	—	—	—	—	—
							Alt	—	—	—	—	—
20	20.000	508.0	0.734	18.6	78.59	116.73	Std	—	—	—	—	—
							Alt	—	—	—	—	—
			0.797	20.2	84.80	125.98	Std	—	—	—	—	—
							Alt	—	—	—	—	—
			0.375	9.5	62.64	92.98	Std	1100	—	—	—	—
							Alt	—	—	—	—	—
20	20.000	508.0	0.438	11.1	72.86	108.20	Std	—	1800	2800	—	—
							Alt	—	—	—	—	—
			0.495	12.6	82.05	122.36	Std	—	2000	3000	—	—
							Alt	—	—	—	—	—
			0.656	16.7	107.60	160.49	Std	—	—	—	3000	—
							Alt	—	—	—	—	—
20	20.000	508.0	0.438	11.1	91.59	136.01	Std	1100	1400	2300	—	—
							Alt	—	—	—	—	—
			0.500	12.7	104.23	155.12	Std	—	1600	2600	—	3000
							Alt	—	—	—	—	—
			0.635	16.1	131.45	195.30	Std	—	2100	—	—	—
							Alt	—	—	—	—	—

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)					
	in	mm	in	mm	lb/ft	kg/m	in	mm	Grade A25 (Std)	Grade A (L 210)		Grade B (L 245)		
										Std	Alt	Std	Alt	
1/2	0.840	21.3	0.109	2.8	0.85	1.28	0.622	15.7	700	700	—	700	—	
			0.147	3.7	1.09	1.61	0.546	13.9	850	850	—	850	—	
			0.294	7.5	1.72	2.55	0.252	6.3	1000	1000	—	1000	—	
3/4	1.050	26.7	0.113	2.9	1.13	1.70	0.824	20.9	700	700	—	700	—	
			0.154	3.9	1.48	2.19	0.742	18.9	820	820	—	850	—	
			0.308	7.8	2.44	3.64	0.434	11.1	1000	1000	—	1000	—	
1	1.315	33.4	0.133	3.4	1.68	2.52	1.049	26.6	700	700	—	700	—	
			0.179	4.5	2.17	3.21	0.957	24.4	850	850	—	850	—	
			0.358	9.1	3.66	5.45	0.599	15.2	1000	1000	—	1000	—	
1 1/4	1.660	42.2	0.140	3.6	2.27	3.43	1.380	35.0	1000	1200	—	1300	—	
			0.191	4.9	3.00	4.51	1.278	32.4	1300	1800	—	1900	—	
			0.382	9.7	5.22	7.77	0.896	22.8	1400	2200	—	2300	—	
1 1/2	1.900	48.3	0.145	3.7	2.72	4.07	1.610	40.9	1000	1200	—	1300	—	
			0.200	5.1	3.63	5.43	1.500	38.1	1300	1800	—	1900	—	
			0.400	10.2	6.41	9.58	1.100	27.9	1400	2200	—	2300	—	



API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)												
	in	mm	in	mm	lb/ft	kg/m	in	mm		Grade A25 (L175)	Grade A (L210)	Grade B (L245)	Grade X 42 (L290)	Grade X 46 (L330)	Grade X 52 (L360)	Grade X 56 (L390)	Grade X 60 (L415)	Grade X 65 (L450)	Grade X 70 (L485)	Grade X 80 (L555)	
2	2 3/8	60.3	0.083	2.1	2.03	3.01	2.209	56.1	Std	600	1260	1470	1760	1930	2180	2350	2520	2730	2940	—	
									Alt	—	1570	1830	2200	2410	2730	2940	3150	3410	3670	—	
			0.109	2.8	2.64	3.97	2.157	54.7	Std	800	1650	1930	2310	2530	2860	3000	3000	3000	3000	—	
									Alt	—	2070	2410	2890	3170	3580	3860	4130	4470	4820	—	
			0.125	3.2	3.01	4.51	2.125	53.9	Std	1000	1890	2210	2650	2910	3000	3000	3000	3000	3000	—	
									Alt	—	2370	2500	3320	3630	4110	4420	4740	5130	5530	—	
			0.141	3.6	3.37	5.03	2.093	53.1	Std	1000	2140	2490	2990	3000	3000	3000	3000	3000	3000	—	
									Alt	—	2500	2500	3740	4100	4630	4990	5340	5790	6230	—	
			0.154	3.9	3.66	5.42	2.067	52.5	Std	1000	2330	2500	3000	3000	3000	3000	3000	3000	3000	3000	—
									Alt	—	2500	2500	4090	4470	5060	5450	5840	6320	6810	—	
			0.172	4.4	4.05	6.07	2.031	51.5	Std	1100	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—
									Alt	—	2500	2500	4560	5000	5650	6080	7120	7060	7260	—	
			0.188	4.8	4.40	6.57	1.999	50.7	Std	1200	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—
									Alt	—	2500	2500	4990	5460	6170	6650	7120	7260	7260	—	
			0.218	5.5	5.03	7.43	1.939	49.3	Std	1300	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—
									Alt	—	2500	2500	5780	6330	7160	7260	7260	7260	—		
0.250	6.4	5.68	8.51	1.875	47.5	Std	1400	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—			
						Alt	—	2500	2500	6630	7260	7260	7260	7260	7260	7260	—				
0.281	7.1	6.29	9.31	1.813	46.1	Std	1400	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—			
						Alt	—	2500	2500	7260	7260	7260	7260	7260	7260	7260	—				
0.436	11.1	9.04	13.47	1.503	38.1	Std	1400	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—			
						Alt	—	2500	2500	7260	7260	7260	7260	7260	7260	7260	—				
2 1/2	2 7/8	73.0	0.083	2.1	2.48	3.67	2.709	68.8	Std	600	1040	1210	1460	1590	1800	1940	2080	2250	2430	—	
									Alt	—	1300	1520	1820	1990	2250	2430	2430	2810	3030	—	
			0.109	2.8	3.22	4.85	2.657	67.4	Std	800	1360	1590	1910	2090	2370	2550	2730	2960	3000	—	
									Alt	—	1710	1990	2390	2620	2960	3180	3180	3700	3980	—	
			0.125	3.2	3.67	5.51	2.625	66.6	Std	1000	1570	1830	2190	2400	2710	2920	3000	3000	3000	—	
									Alt	—	1960	2280	2740	3000	3390	3650	3910	4240	4570	—	
			0.141	3.6	4.12	6.16	2.593	65.8	Std	1000	1770	2060	2470	2710	3000	3000	3000	3000	3000	—	
									Alt	—	2210	2500	3090	3380	3830	4120	4410	4780	5150	—	
			0.156	4.0	4.53	6.81	2.563	65.0	Std	1000	1950	2280	2730	3000	3000	3000	3000	3000	3000	3000	—
									Alt	—	2440	2500	3420	3740	4230	4560	4880	5290	5700	—	
			0.172	4.4	4.97	7.44	2.531	64.2	Std	1000	2150	2500	3000	3000	3000	3000	3000	3000	3000	3000	—
									Alt	—	2500	2500	3770	4130	4670	5030	5380	5830	6280	—	
			0.188	4.8	5.40	8.07	2.499	63.4	Std	1000	2350	2500	3000	3000	3000	3000	3000	3000	3000	3000	—
									Alt	—	2500	2500	4120	4510	5100	5490	5890	6380	6870	—	
			0.203	5.2	5.80	8.69	2.469	62.6	Std	1000	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—
									Alt	—	2500	2500	4450	4870	5510	5930	6350	6880	7260	—	
0.216	5.5	6.14	9.16	2.443	62.0	Std	1100	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—			
						Alt	—	2500	2500	4730	5180	5860	6310	6760	7260	7260	—				
0.250	6.4	7.02	10.51	2.375	60.2	Std	1200	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—			
						Alt	—	2500	2500	5480	6000	6780	7260	7260	7260	7260	—				
0.276	7.0	7.67	11.39	2.323	59.0	Std	1300	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—			
						Alt	—	2500	2500	6050	6620	7260	7260	7260	7260	7260	—				
3	3 1/2	88.9	0.083	2.1	3.03	4.50	3.334	84.7	Std	600	850	1000	1200	1310	1480	1590	1710	1850	1990	—	
									Alt	—	1070	1250	1490	1640	1850	1990	2130	2310	2490	—	
			0.109	2.8	3.95	5.95	3.282	83.3	Std	800	1120	1310	1570	1720	1940	2090	2240	2430	2620	—	
									Alt	—	1400	1640	1960	2150	2430	2620	2800	3040	3270	—	

API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)														
										Grade A25 (L175)	Grade A (L210)	Grade B (L245)	Grade X 42 (L290)	Grade X 46 (L330)	Grade X 52 (L360)	Grade X 56 (L390)	Grade X 60 (L415)	Grade X 65 (L450)	Grade X 70 (L485)	Grade X 80 (L555)			
	in	mm	in	mm	lb/ft	kg/m	in	mm															
3	3 1/2	88.9	0.125	3.2	4.51	6.76	3.250	82.5	Std	1000	1290	1500	1800	1970	2230	2400	2570	2790	3000	—			
									Alt	—	1610	1880	2250	2460	2790	3000	3210	3480	3750	—			
			0.141	3.6	5.06	7.57	3.218	81.7	Std	1000	1450	1690	2030	2220	2510	2710	2900	3000	3000	—			
									Alt	—	1810	2120	2540	2780	2940	3380	3630	3930	4230	—			
			0.156	4.0	5.58	8.37	3.188	80.9	Std	1000	1600	1870	2250	2460	2780	3000	3000	3000	3000	—			
									Alt	—	2010	2340	2810	3080	3480	3740	4010	4350	4680	—			
			0.172	4.4	6.12	9.17	3.156	80.1	Std	1000	1770	2060	2480	2710	3000	3000	3000	3000	3000	—			
									Alt	—	2210	2500	3100	3390	3830	4130	4420	4790	5160	—			
			0.188	4.8	6.66	9.95	3.124	79.3	Std	1000	1930	2260	2710	2970	3000	3000	3000	3000	3000	—			
									Alt	—	2420	2500	3380	3710	4190	4510	4830	5240	5640	—			
			0.216	5.5	7.58	11.31	3.068	77.9	Std	1000	2220	2500	3000	3000	3000	3000	3000	3000	3000	3000	—		
									Alt	—	2500	2500	3890	4260	4810	5180	5550	6020	6480	—			
			0.250	6.4	8.69	13.02	3.000	76.1	Std	—	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—		
									Alt	—	2500	2500	4500	4930	5570	6000	6430	6960	7260	—			
			0.281	7.1	9.67	14.32	2.938	74.7	Std	—	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—		
									Alt	—	2500	2500	5060	5540	6260	6740	7230	7260	7260	—			
0.300	7.6	10.26	15.24	2.900	73.7	Std	1300	2500	2500	3000	3000	3000	3000	3000	3000	3000	3000	—					
						Alt	—	2500	2500	5400	5910	6690	7200	7260	7260	7260	—						
3 1/2	4	101.6	0.083	2.1	3.48	5.15	3.834	97.4	Std	—	750	870	1050	1150	1290	1390	1490	1620	1740	—			
									Alt	—	930	1090	1310	1430	1620	1740	1870	2020	2180	—			
			0.109	2.8	4.53	6.82	3.782	96.0	Std	600	980	1140	1370	1500	1700	1830	1960	2130	2290	—			
									Alt	—	1230	1430	1720	1880	2130	2290	2450	2680	2860	—			
			0.125	3.2	5.18	7.76	3.750	95.2	Std	—	1130	1310	1580	1730	1950	2100	2250	2440	2630	—			
									Alt	—	1410	1640	1970	2160	2440	2630	2810	3050	3280	—			
			0.141	3.6	5.82	8.70	3.718	94.4	Std	800	1270	1480	1780	1950	2200	2370	2540	2750	2960	—			
									Alt	—	1590	1850	2220	2430	2750	2960	3170	3440	3700	—			
			0.156	4.0	6.41	9.63	3.688	93.6	Std	—	1400	1640	1970	2150	2430	2620	2810	3000	3000	—			
									Alt	—	1760	2050	2460	2690	3040	3280	3510	3800	4100	—			
			0.172	4.4	7.04	10.55	3.656	92.8	Std	1000	1550	1810	2170	2370	2680	2890	3000	3000	3000	—			
									Alt	—	1940	2260	2710	2970	3350	3610	3870	4190	4520	—			
			0.188	4.8	7.66	11.46	3.624	92.0	Std	1200	1690	1970	2370	2590	2930	3000	3000	3000	3000	—			
									Alt	—	2120	2470	2960	3240	3670	3950	4230	4580	4940	—			
			0.226	5.7	9.12	13.48	3.548	90.2	Std	1200	2030	2370	2850	3000	3000	3000	3000	3000	3000	—			
									Alt	—	2540	2800	3560	3900	4410	4750	5090	5510	5930	—			
0.250	6.4	10.02	15.02	3.500	88.8	Std	—	2250	2630	3000	3000	3000	3000	3000	3000	3000	—						
						Alt	—	2800	2800	3940	4310	4880	5250	5630	6090	6560	—						
0.281	7.1	11.17	16.55	3.438	87.4	Std	—	2530	2800	3000	3000	3000	3000	3000	3000	3000	—						
						Alt	—	2800	2800	4430	4850	5480	5900	6320	6850	7260	—						
0.318	8.1	12.52	18.68	3.364	85.4	Std	1700	2800	2800	3000	3000	3000	3000	3000	3000	3000	—						
						Alt	—	2800	2800	5010	5490	6200	6680	7160	7260	7260	—						
4	4 1/2	114.3	0.083	2.1	3.92	5.81	4.334	110.1	Std	—	660	770	930	1020	1150	1240	1330	1440	1550	1770			
									Alt	—	830	970	1160	1270	1440	1550	1660	1800	1940	2210			
			0.125	3.2	5.85	8.77	4.250	107.9	Std	800	1000	1170	1400	1530	1730	1870	2000	2170	2330	2670			
									Alt	—	1250	1460	1750	1920	2170	2330	2500	2710	2920	3330			
			0.141	3.6	6.57	9.83	4.218	107.1	Std	—	1130	1320	1580	1730	1760	2110	2260	2440	2630	3000			
									Alt	—	1410	1650	1970	2160	2440	2630	2820	3060	3290	3760			
			0.156	4.0	7.24	10.88	4.188	106.3	Std	1000	1250	1460	1750	1910	2160	2330	2500	2700	2910	3000			
									Alt	—	1560	1820	2180	2390	2700	2910	3120	3380	3640	4160			



API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)													
										Grade A25 (L175)	Grade A (L210)	Grade B (L245)	Grade X 42 (L290)	Grade X 46 (L330)	Grade X 52 (L360)	Grade X 56 (L390)	Grade X 60 (L415)	Grade X 65 (L450)	Grade X 70 (L485)	Grade X 80 (L555)		
	in	mm	in	mm	lb/ft	kg/m	in	mm														
4	4 1/2	114.3	0.172	4.4	7.96	11.92	4.156	105.5	Std	—	1380	1610	1930	2110	2390	2570	2750	2980	3000	3000		
									Alt	—	1720	2010	2410	2640	2980	3210	3440	3730	4010	4590		
			0.188	4.8	8.67	12.96	4.124	104.7	Std	1200	1500	1750	2110	2310	2610	2810	3000	3000	3000	3000		
									Alt	—	1880	2190	2630	2880	3260	3510	3760	4070	4390	5010		
			0.203	5.2	9.32	13.99	4.094	103.9	Std	—	1620	1890	2270	2490	2810	3000	3000	3000	3000	3000		
									Alt	—	2030	2370	2840	3110	3520	3790	4060	4400	4740	5410		
			0.219	5.6	10.02	15.01	4.062	103.1	Std	1200	1750	2040	2450	2690	3000	3000	3000	3000	3000	3000		
									Alt	—	2190	2560	3070	3360	3800	4090	4380	4750	5110	5840		
			0.237	6.0	10.80	16.02	4.026	102.3	Std	1200	1900	2210	2650	2910	3000	3000	3000	3000	3000	3000	3000	
									Alt	—	2370	2770	3320	3630	4110	4420	4740	5140	5530	6320		
			0.250	6.4	11.36	17.03	4.000	101.5	Std	—	2000	2330	2800	3000	3000	3000	3000	3000	3000	3000	3000	
									Alt	—	2500	2800	3500	3830	4330	4670	5000	5420	5830	6670		
			0.281	7.1	12.67	18.77	3.938	100.1	Std	—	2250	2620	3000	3000	3000	3000	3000	3000	3000	3000	3000	
									Alt	—	2800	2800	3930	4310	4870	5250	5620	6090	6560	7260		
			0.312	7.9	13.97	20.73	3.876	98.5	Std	—	2500	2800	3000	3000	3000	3000	3000	3000	3000	3000	3000	
									Alt	—	2800	2800	4370	4780	5410	5820	6240	6760	7260	7260		
0.337	8.6	15.00	22.42	3.826	97.1	Std	1700	2700	2800	3000	3000	3000	3000	3000	3000	3000	3000	3000				
						Alt	—	2800	2800	4720	5170	5840	6290	6740	7260	7260	7260					
0.438	11.1	19.02	28.25	3.624	92.1	Std	—	2800	2800	3000	3000	3000	3000	3000	3000	3000	3000	3000				
						Alt	—	2800	2800	6130	6720	7260	7260	7260	7260	7260	7260	7260				
5	9/16	141.3	0.083	2.1	4.86	7.21	5.397	137.1	Std	—	540	630	750	820	930	1000	1070	1160	1250	1430		
									Alt	—	670	780	940	1030	1160	1250	1340	1450	1570	1790		
			0.125	3.2	7.27	10.90	5.313	134.9	Std	670	810	940	1130	1240	1400	1510	1620	1750	1890	2160		
									Alt	—	1010	1180	1420	1550	1750	1890	2020	2190	2360	2700		
			0.156	4.0	9.02	13.54	5.251	133.3	Std	840	1010	1180	1410	1550	1750	1880	2020	2190	2360	2690		
									Alt	—	1260	1470	1770	1930	2190	2360	2520	2730	2940	3370		
			0.188	4.8	10.80	16.16	5.187	131.7	Std	1010	1220	1420	1700	1870	2110	2270	2430	2640	2840	3000		
									Alt	—	1520	1770	2130	2330	2640	2840	3040	3290	3550	4060		
			0.219	5.6	12.51	18.74	5.125	130.1	Std	1180	1420	1650	1980	2170	2460	2650	2830	3000	3000	3000		
									Alt	—	1770	2070	2480	2720	3070	3310	3540	3840	4130	4720		
			0.258	6.6	14.63	21.92	5.047	128.1	Std	1200	1670	1950	2340	2560	2890	3000	3000	3000	3000	3000		
									Alt	—	2090	2430	2920	3200	3620	3900	4170	4520	4870	5570		
			0.281	7.1	15.87	23.50	5.001	127.1	Std	1520	1820	2120	2550	2790	3000	3000	3000	3000	3000	3000		
									Alt	—	2270	2650	3180	3490	3940	4240	4550	4920	5300	6060		
			0.312	7.9	17.51	25.99	4.939	125.5	Std	1680	2020	2360	2830	3000	3000	3000	3000	3000	3000	3000		
									Alt	—	2520	2800	3530	3870	4370	4710	5050	5470	5890	6730		
0.344	8.7	19.19	28.45	4.875	123.9	Std	1860	2230	2600	3000	3000	3000	3000	3000	3000	3000	3000					
						Alt	—	2780	2800	3900	4270	4820	5190	5570	6030	6490	7260					
0.375	9.5	20.80	30.88	4.813	122.3	Std	2020	2430	2800	3000	3000	3000	3000	3000	3000	3000	3000					
						Alt	—	2800	2800	4250	4650	5260	5660	6070	6570	7080	7260					

API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)											
										Grade A (L175)	Grade B (L210)	Grade X 42 (L245)	Grade X 46 (L290)	Grade X 52 (L360)	Grade X 56 (L390)	Grade X 60 (L415)	Grade X 65 (L450)	Grade X 70 (L485)	Grade X 80 (L555)	
	in	mm	in	mm	lb/ft	kg/m	in	mm												
6	6 5/8	168.3	0.083	2.1	5.80	8.61	6.459	164.1	Std	450	530	790	860	980	1050	1130	1220	1320	1500	
									Alt	560	660	790	860	980	1050	1130	1220	1320	1500	
			0.109	2.8	7.59	11.43	6.407	162.7	Std	590	690	1040	1140	1280	1380	1480	1600	1730	1970	
									Alt	740	860	1040	1140	1280	1380	1480	1600	1730	1970	
			0.125	3.2	8.69	13.03	6.375	161.9	Std	680	790	1190	1300	1470	1580	1700	1840	1980	2260	
									Alt	850	990	1190	1300	1470	1580	1700	1840	1980	2260	
			0.141	3.6	9.77	14.62	6.343	161.1	Std	770	890	1340	1470	1660	1790	1920	2080	2230	2550	
									Alt	960	1120	1340	1470	1660	1790	1920	2080	2230	2550	
			0.156	4.0	10.79	16.21	6.313	161.1	Std	850	990	1480	1620	1840	1980	2120	2300	2470	2830	
									Alt	1060	1240	1480	1620	1840	1980	2120	2300	2470	2830	
			0.172	4.4	11.87	17.78	6.281	159.5	Std	930	1090	1640	1790	2030	2180	2340	2530	2730	3000	
									Alt	1170	1360	1640	1790	2030	2180	2340	2530	2730	3120	
			0.188	4.8	12.94	19.35	6.249	158.7	Std	1020	1190	1790	1960	2210	2380	2550	2770	2980	3000	
									Alt	1280	1490	1790	1960	2210	2380	2550	2770	2980	3410	
			0.203	5.2	13.94	20.91	6.219	157.9	Std	1100	1290	1930	2110	2390	2570	2760	2990	3000	3000	
									Alt	1380	1610	1930	2110	2390	2570	2760	2990	3220	3680	
			0.219	5.6	15.00	22.47	6.187	157.1	Std	1190	1390	2080	2280	2580	2780	2980	3000	3000	3000	
									Alt	1490	1740	2080	2280	2580	2780	2980	3220	3470	3970	
			0.250	6.4	17.04	25.55	6.125	155.5	Std	1360	1580	2380	2600	2940	3000	3000	3000	3000	3000	
									Alt	1700	1980	2380	2600	2940	3170	3400	3680	3960	4530	
			0.280	7.1	18.99	28.22	6.065	154.1	Std	1520	1780	2660	2920	3000	3000	3000	3000	3000	3000	
									Alt	1900	2220	2660	2920	3300	3550	3800	4120	4440	5070	
			0.312	7.9	21.06	31.25	6.001	152.5	Std	1700	1980	2970	3000	3000	3000	3000	3000	3000	3000	
									Alt	2120	2470	2970	3250	3670	3960	4240	4590	4940	5650	
			0.344	8.7	23.10	34.24	5.937	150.9	Std	1870	2180	3000	3000	3000	3000	3000	3000	3000	3000	
									Alt	2340	2730	3270	3580	4050	4360	4670	5060	5450	6230	
			0.375	9.5	25.05	37.20	5.875	149.3	Std	2040	2380	3000	3000	3000	3000	3000	3000	3000	3000	
									Alt	2550	2800	3570	3910	4420	4750	5090	5520	5940	6790	
			0.432	11.0	28.60	42.67	5.761	146.3	Std	2350	2740	3000	3000	3000	3000	3000	3000	3000	3000	
									Alt	2800	2800	4110	4500	5090	5480	5870	6360	6850	7260	



API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)										
	in	mm	in	mm	lb/ft	kg/m	in	mm		Grade A	Grade B	Grade X 42	Grade X 46	Grade X 52	Grade X 56	Grade X 60	Grade X 65	Grade X 70	Grade X 80
										(L175)	(L210)	(L245)	(L290)	(L360)	(L390)	(L415)	(L450)	(L485)	(L555)
8	8 5/8	219.1	0.125	3.2	11.36	17.04	8.375	212.7	Std	520	610	910	1000	1130	1220	1300	1410	1520	1740
									Alt	650	760	910	1000	1130	1220	1300	1410	1520	1740
			0.156	4.0	14.12	21.22	8.313	211.1	Std	650	760	1140	1250	1410	1520	1630	1760	1900	2170
									Alt	810	950	1140	1250	1410	1520	1630	1760	1900	2170
			0.188	4.8	16.96	25.37	8.249	209.5	Std	780	920	1370	1500	1700	1830	1960	2130	2290	2620
									Alt	980	1140	1370	1500	1700	1830	1960	2130	2290	2620
			0.203	5.2	18.28	27.43	8.219	208.7	Std	850	990	1480	1620	1840	1980	2120	2290	2470	2820
									Alt	1060	1240	1480	1620	1840	1980	2120	2290	2470	2820
			0.219	5.6	19.68	29.48	8.187	207.9	Std	910	1070	1600	1750	1980	2130	2290	2480	2670	3000
									Alt	1140	1330	1600	1750	1980	2130	2290	2480	2670	3050
			0.250	6.4	22.38	33.57	8.125	206.3	Std	1040	1220	1830	2000	2260	2430	2610	2830	3000	3000
									Alt	1300	1520	1830	2000	2260	2430	2610	2830	3040	3480
			0.277	7.0	24.72	36.61	8.071	205.1	Std	1160	1350	2020	2220	2510	2700	2890	3000	3000	3000
									Alt	1450	1690	2020	2220	2510	2700	2890	3130	3370	3850
			0.312	7.9	27.73	41.14	8.001	203.3	Std	1300	1520	2280	2500	2820	3000	3000	3000	3000	3000
									Alt	1630	1900	2280	2500	2820	3040	3260	3530	3800	4340
			0.322	8.2	28.58	42.65	7.981	202.7	Std	1340	1570	2350	2580	2910	3000	3000	3000	3000	3000
									Alt	1680	1960	2350	2580	2910	3140	3360	3640	3920	4480
			0.344	8.7	30.45	45.14	7.937	201.7	Std	1440	1680	2510	2750	3000	3000	3000	3000	3000	3000
									Alt	1790	2090	2510	2750	3110	3350	3590	3890	4190	4790
			0.375	9.5	33.07	49.10	7.875	200.1	Std	1570	1830	2740	3000	3000	3000	3000	3000	3000	3000
									Alt	1960	2280	2740	3000	3390	3650	3910	4240	4570	5220
			0.438	11.1	38.33	56.94	7.749	196.9	Std	1830	2130	3000	3000	3000	3650	3000	3000	3000	3000
									Alt	2290	2670	3200	3500	3960	4270	4570	4950	5330	6090
			0.500	12.7	43.43	64.64	7.625	193.7	Std	2090	2430	3000	3000	3000	3000	3000	3000	3000	3000
									Alt	2610	2800	3650	4000	4520	4870	5220	5650	6090	6960

API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)										
	in	mm	in	mm	lb/ft	kg/m	in	mm		Grade A	Grade B	Grade X 42	Grade X 46	Grade X 52	Grade X 56	Grade X 60	Grade X 65	Grade X 70	Grade X 80
										(L175)	(L210)	(L245)	(L290)	(L360)	(L390)	(L415)	(L450)	(L485)	(L555)
10	10 3/4	273.1	0.156	4.0	17.67	26.54	10.438	265.1	Std	520	610	1040	1130	1280	1380	1480	1600	1730	1970
									Alt	650	760	1040	1130	1280	1380	1480	1600	1730	1970
			0.188	4.8	21.23	31.76	10.374	263.5	Std	630	730	1250	1370	1550	1660	1780	1930	2080	2380
									Alt	790	920	1250	1370	1550	1660	1780	1930	2080	2380
			0.203	5.2	22.89	34.35	10.344	262.7	Std	680	790	1350	1480	1670	1800	1930	2090	2250	2570
									Alt	850	990	1350	1480	1670	1800	1930	2090	2250	2570
			0.219	5.6	24.65	36.94	10.312	261.9	Std	730	860	1450	1590	1800	1940	2080	2250	2420	2770
									Alt	920	1070	1450	1590	1800	1940	2080	2250	2420	2770
			0.250	6.4	28.06	42.09	10.250	260.3	Std	840	980	1660	1820	2060	2210	2370	2570	2770	3000
									Alt	1050	1220	1660	1820	2060	2210	2370	2570	2770	3160
			0.279	7.1	31.23	46.57	10.192	258.9	Std	930	1090	1850	2030	2290	2470	2650	2870	3000	3000
									Alt	1170	1360	1850	2030	2290	2470	2650	2870	3090	3530
			0.307	7.8	34.27	51.03	10.136	257.5	Std	1030	1200	2040	2230	2520	2720	2910	3000	3000	3000
									Alt	1290	1500	2040	2230	2520	2720	2910	3160	3400	3880
			0.344	8.7	38.27	56.72	10.062	255.7	Std	1150	1340	2280	2500	2830	3000	3000	3000	3000	3000
									Alt	1440	1680	2280	2500	2830	3050	3260	3540	3810	4350
			0.365	9.3	40.52	60.50	10.020	254.5	Std	1220	1430	2420	2660	3000	3000	3000	3000	3000	3000
									Alt	1530	1780	2420	2660	3000	3230	3460	3750	4040	4620
			0.438	11.1	48.28	71.72	9.874	250.9	Std	1470	1710	2910	3000	3000	3000	3000	3000	3000	3000
									Alt	1830	2140	2910	3190	3600	3880	4160	4500	4850	5540
			0.500	12.7	54.79	81.55	9.750	247.7	Std	1670	1950	3000	3000	3000	3000	3000	3000	3000	3000
									Alt	2090	2440	3320	3640	4110	4430	4740	5140	5530	6330
			0.172	4.4	23.13	34.67	12.406	315.1	Std	490	570	960	1050	1190	1280	1380	1490	1610	1830
									Alt	610	710	960	1050	1190	1280	1380	1490	1610	1830
			0.188	4.8	25.25	37.77	12.374	314.3	Std	530	620	1050	1150	1300	1400	1500	1630	1750	2010
									Alt	660	770	1050	1150	1300	1400	1500	1630	1750	2010
12	12 3/4	323.9	0.203	5.2	27.23	40.87	12.344	313.5	Std	570	670	1140	1250	1410	1520	1620	1760	1890	2170
									Alt	720	840	1140	1250	1410	1520	1620	1760	1890	2170
			0.219	5.6	29.34	43.96	12.312	312.7	Std	620	720	1230	1340	1520	1640	1750	1900	2040	2340
									Alt	770	900	1230	1340	1520	1640	1750	1900	2040	2340
			0.250	6.4	33.41	50.11	12.250	311.1	Std	710	820	1400	1530	1730	1870	2000	2170	2330	2670
									Alt	880	1030	1400	1530	1730	1870	2000	2170	2330	2670



API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)										
	in	mm	in	mm	lb/ft	kg/m	in	mm		Grade A	Grade B	Grade X 42	Grade X 46	Grade X 52	Grade X 56	Grade X 60	Grade X 65	Grade X 70	Grade X 80
										(L175)	(L210)	(L245)	(L290)	(L360)	(L390)	(L415)	(L450)	(L485)	(L555)
12	12 3/4	323.9	0.281	7.1	37.46	55.47	12.188	309.7	Std	790	930	1570	1720	1950	2100	2250	2440	2620	3000
									Alt	990	1160	1570	1720	1950	2100	2250	2440	2620	3000
			0.312	7.9	41.48	61.56	12.126	308.1	Std	880	1030	1750	1910	2160	2330	2500	2700	2910	3000
									Alt	1100	1280	1750	1910	2160	2330	2500	2700	2910	3330
			0.330	8.4	43.81	65.35	12.090	307.1	Std	930	1090	1850	2020	2290	2460	2640	2860	3000	3000
									Alt	1160	1360	1850	2110	2290	2460	2640	2860	3080	3520
			0.344	8.7	45.62	67.62	12.062	306.5	Std	970	1130	1930	2110	2390	2570	2750	2980	3000	3000
									Alt	1210	1420	1930	2300	2390	2570	2750	2980	3210	3670
			0.375	9.5	49.61	73.65	12.000	304.9	Std	1060	1240	2100	2300	2600	2800	3000	3000	3000	3000
									Alt	1320	1540	2100	2490	2600	2800	3000	3250	3500	4000
			0.406	10.3	53.57	79.65	11.938	303.3	Std	1150	1340	2270	2490	2810	3000	3000	3000	3000	3000
									Alt	1430	1670	2270	2490	2810	3030	3250	3520	3790	4330
			0.438	11.1	57.65	85.62	11.874	301.7	Std	1240	1440	2450	2690	3000	3000	3000	3000	3000	3000
									Alt	1550	1800	2450	2690	3040	3270	3500	3800	4090	4670
			0.500	12.7	65.48	97.46	11.750	298.5	Std	1410	1650	2800	3000	3000	3000	3000	3000	3000	3000
									Alt	1760	2060	2800	3070	3470	3730	4000	4330	4670	5330
			0.562	14.3	73.22	109.18	11.626	295.3	Std	1590	1850	3000	3000	3000	3000	3000	3000	3000	3000
									Alt	1980	2310	3150	3450	3900	4200	4500	4870	5250	5990
			0.625	15.9	81.01	120.76	11.500	292.1	Std	1760	2060	3000	3000	3000	3000	3000	3000	3000	3000
									Alt	2210	2570	3500	3830	4330	4670	5000	5420	5830	6670
			0.688	17.5	88.71	132.23	11.374	288.9	Std	1940	2270	3000	3000	3000	3000	3000	3000	3000	3000
									Alt	2430	2800	3850	4220	4770	5140	5500	5960	6420	7260
14	14	355.6	0.750	19.1	96.21	143.56	11.250	285.7	Std	2120	2470	3000	3000	3000	3000	3000	3000	3000	3000
									Alt	2650	2800	4200	4600	5200	5600	6000	6500	7000	7260
			0.188	4.8	27.76	41.52	13.624	346.0	Std	480	560	960	1050	1190	1280	1370	1480	1600	1830
									Alt	600	710	960	1050	1190	1280	1370	1480	1600	1830
			0.203	5.2	29.94	44.93	13.594	345.2	Std	520	610	1040	1130	1280	1380	1480	1600	1730	1970
									Alt	650	760	1040	1130	1280	1380	1480	1600	1730	1970
			0.210	5.3	30.96	45.78	13.580	345.0	Std	540	630	1070	1170	1330	1430	1530	1660	1790	2040
									Alt	680	790	1070	1170	1330	1430	1530	1660	1790	2040
			0.219	5.6	32.26	48.33	13.562	344.4	Std	560	660	1120	1220	1380	1490	1600	1730	1860	2130
									Alt	700	820	1120	1220	1380	1490	1600	1730	1860	2130
			0.250	6.4	36.75	55.11	13.500	342.8	Std	640	750	1280	1400	1580	1700	1820	1970	2130	2430
									Alt	800	940	1280	1400	1580	1700	1820	1970	2130	2430
			0.281	7.1	41.21	61.02	13.438	341.4	Std	720	840	1430	1570	1770	1910	2050	2220	2390	2730
									Alt	900	1050	1430	1570	1770	1910	2050	2220	2390	2730

API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)													
	in	mm	in	mm	lb/ft	kg/m	in	mm		Grade A	Grade B	Grade X 42	Grade X 46	Grade X 52	Grade X 56	Grade X 60	Grade X 65	Grade X 70	Grade X 80			
										(L175)	(L210)	(L245)	(L290)	(L360)	(L390)	(L415)	(L450)	(L485)	(L555)			
14	14.000	355.6	0.312	7.9	45.65	67.74	13.376	339.8	Std	800	940	1590	1740	1970	2120	2270	2460	2650	3000			
									Alt	1000	1170	1590	1740	1970	2120	2270	2460	2650	3030			
			0.344	8.7	50.22	74.42	13.312	338.2	Std	880	1030	1750	1920	2170	2340	2510	2720	2920	3000			
									Alt	1110	1290	1750	1920	2170	2340	2510	2720	2920	3340			
			0.375	9.5	54.62	81.08	13.250	336.6	Std	960	1130	1910	2090	2370	2550	2730	2960	3000	3000			
									Alt	1210	1410	1910	2090	2370	2550	2730	2960	3190	3640			
			0.406	10.3	59.00	87.71	13.188	335.0	Std	1040	1220	2070	2270	2560	2760	2960	3000	3000	3000			
									Alt	1310	1520	2070	2270	2560	2760	2960	3200	3450	3940			
			0.438	11.1	63.50	94.30	13.124	333.4	Std	1130	1310	2230	2450	2770	2980	3000	3000	3000	3000			
									Alt	1410	1640	2230	2450	2770	2980	3190	3460	3720	4250			
			0.469	11.9	67.84	100.86	13.062	331.8	Std	1210	1410	2390	2620	2960	3000	3000	3000	3000	3000			
									Alt	1510	1760	2390	2620	2960	3190	3420	3700	3990	4560			
			0.500	12.7	72.16	107.39	13.000	330.2	Std	1290	1500	2550	2790	3000	3000	3000	3000	3000	3000			
									Alt	1610	1880	2550	2790	3160	3400	3640	3950	4250	4860			
			0.562	14.3	80.73	120.36	12.876	327.0	Std	1450	1690	2870	3000	3000	3000	3000	3000	3000	3000			
									Alt	1810	2110	2870	3140	3550	3820	4090	4440	4780	5460			
			0.625	15.9	89.36	133.19	12.750	323.8	Std	1610	1880	3000	3000	3000	3000	3000	3000	3000	3000			
									Alt	2010	2340	3190	3490	3950	4250	4550	4930	5310	6070			
			0.688	17.5	97.91	145.91	12.624	320.6	Std	1770	2060	3000	3000	3000	3000	3000	3000	3000	3000			
									Alt	2210	2580	3510	3840	4340	4680	5010	5430	5850	6680			
			0.750	19.1	106.23	158.49	12.500	317.4	Std	1930	2250	3000	3000	3000	3000	3000	3000	3000	3000			
									Alt	2410	2800	3830	4190	4740	5100	5460	5920	6380	7260			
			16	16.000	406.4	0.188	4.8	31.78	47.54	15.624	396.8	Std	420	490	840	920	1040	1120	1200	1300	1400	1600
												Alt	530	620	840	920	1040	1120	1200	1300	1400	1600
0.203	5.2	34.28				51.45	15.594	396.0	Std	460	530	910	990	1120	1210	1290	1400	1510	1730			
									Alt	570	670	910	990	1120	1210	1290	1400	1510	1730			
0.219	5.6	36.95				55.35	15.562	395.2	Std	490	570	980	1070	1210	1300	1400	1510	1630	1860			
									Alt	620	720	980	1070	1210	1300	1400	1510	1630	1860			
0.250	6.4	42.09				63.13	15.500	393.6	Std	560	660	1120	1220	1380	1490	1590	1730	1860	2130			
									Alt	700	820	1120	1220	1380	1490	1590	1730	1860	2130			
0.281	7.1	47.22				69.91	15.438	392.2	Std	630	740	1250	1370	1550	1670	1790	1940	2090	2390			
									Alt	790	920	1250	1370	1550	1670	1790	1940	2090	2390			
0.312	7.9	52.32				77.63	15.376	390.6	Std	700	820	1390	1520	1720	1860	1990	2150	2320	2650			
									Alt	880	1020	1390	1520	1720	1860	1990	2150	2320	2650			
0.344	8.7	57.57				85.32	15.312	389.0	Std	770	900	1540	1680	1900	2050	2190	2380	2560	2920			
									Alt	970	1130	1540	1680	1900	2050	2190	2380	2560	2920			



API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)										
	in	mm	in	mm	lb/ft	kg/m	in	mm		Grade A	Grade B	Grade X 42	Grade X 46	Grade X 52	Grade X 56	Grade X 60	Grade X 65	Grade X 70	Grade X 80
										(L175)	(L210)	(L245)	(L290)	(L360)	(L390)	(L415)	(L450)	(L485)	(L555)
16	16.000	406.4	0.375	9.5	62.64	92.98	15.250	387.4	Std	840	980	1670	1830	2070	2230	2390	2590	2790	3000
									Alt	1050	1230	1670	1830	2070	2230	2390	2590	2790	3190
			0.406	10.3	67.68	100.61	15.188	385.8	Std	910	1070	1810	1980	2240	2420	2590	2800	3000	3000
									Alt	1140	1330	1810	1980	2240	2420	2590	2800	3020	3450
			0.438	11.1	72.86	108.20	15.124	384.2	Std	990	1150	1950	2140	2420	2610	2790	3000	3000	3000
									Alt	1230	1440	1950	2140	2590	2610	2790	3020	3260	3630
			0.469	11.9	77.87	115.77	15.062	382.6	Std	1060	1230	2090	2290	2760	2790	2990	3000	3000	3000
									Alt	1320	1540	2090	2290	2760	2790	2990	3240	3490	3630
			0.500	12.7	82.85	123.30	15.000	381.0	Std	1130	1310	2230	2440	3000	2980	3000	3000	3000	3000
									Alt	1410	1640	2230	2440	3110	2980	3190	3450	3630	3630
			0.562	14.3	92.75	138.27	14.876	377.8	Std	1260	1480	2510	2750	3000	3000	3000	3000	3000	3000
									Alt	1580	1840	2510	2750	3450	3340	3580	3630	3630	3630
			0.625	15.9	102.72	153.11	14.750	374.6	Std	1410	1640	2790	3000	3000	3000	3000	3000	3000	3000
									Alt	1760	2050	2790	3050	3630	3630	3630	3630	3630	3630
			0.688	17.5	112.62	167.83	14.624	371.4	Std	1550	1810	3000	3000	3000	3000	3000	3000	3000	3000
									Alt	1940	2260	3070	3360	3630	3630	3630	3630	3630	3630
			0.750	19.1	122.27	184.42	14.500	368.2	Std	1690	1970	3000	3000	3000	3000	3000	3000	3000	3000
									Alt	2110	2460	3350	3630	3630	3630	3630	3630	3630	3630

API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)										
	in	mm	in	mm	lb/ft	kg/m	in	mm		Grade A	Grade B	Grade X 42	Grade X 46	Grade X 52	Grade X 56	Grade X 60	Grade X 65	Grade X 70	Grade X 80
										(L175)	(L210)	(L245)	(L290)	(L360)	(L390)	(L415)	(L450)	(L485)	(L555)
18	18.000	457.0	0.188	4.8	35.80	53.53	17.624	447.4	Std	380	440	750	820	920	990	1070	1150	1240	1420
									Alt	470	550	750	820	920	990	1070	1150	1240	1420
			0.219	5.6	41.63	62.34	17.562	445.8	Std	440	510	870	950	1080	1160	1240	1340	1450	1650
									Alt	550	640	870	950	1080	1160	1240	1340	1450	1650
			0.250	6.4	47.44	71.12	17.500	444.2	Std	500	580	990	1090	1230	1320	1420	1530	1650	1890
									Alt	630	730	990	1090	1230	1320	1420	1530	1650	1890
			0.281	7.1	53.23	78.77	17.438	442.8	Std	560	660	1110	1220	1380	1490	1590	1730	1860	2120
									Alt	700	820	1110	1220	1380	1490	1590	1730	1860	2120
			0.312	7.9	58.99	87.49	17.376	441.2	Std	620	730	1240	1360	1530	1650	1770	1920	2060	2360
									Alt	780	910	1240	1360	1530	1650	1770	1920	2060	2360
			0.344	8.7	64.93	96.18	17.312	439.6	Std	690	800	1360	1490	1690	1820	1950	2110	2270	2600
									Alt	860	1000	1360	1490	1690	1820	1950	2110	2270	2600
			0.375	9.5	70.65	104.84	17.250	438.0	Std	750	880	1490	1630	1840	1980	2130	2300	2480	2830
									Alt	940	1090	1490	1630	1840	1980	2130	2300	2480	2830
			0.406	10.3	76.36	113.46	17.188	436.4	Std	810	950	1610	1760	1990	2150	2300	2490	2680	3000
									Alt	1020	1180	1610	1760	1990	2150	2300	2490	2680	3070
			0.438	11.1	82.23	122.05	17.124	434.8	Std	880	1020	1740	1900	2150	2320	2480	2690	2900	3000
									Alt	1100	1280	1740	1900	2150	2320	2480	2690	2900	3310
			0.469	11.9	87.89	130.62	17.062	433.2	Std	940	1090	1860	2040	2300	2480	2660	2880	3000	3000
									Alt	1170	1370	1860	2170	2300	2480	2660	2880	3100	3540
			0.500	12.7	93.54	139.15	17.000	431.6	Std	1000	1170	1980	2170	2460	2640	2830	3000	3000	3000
									Alt	1250	1460	1980	2440	2460	2640	2830	3070	3310	3630
			0.562	14.3	104.76	156.11	16.875	428.4	Std	1120	1310	2230	2440	2760	2970	3000	3000	3000	3000
									Alt	1410	1640	2230	2720	2760	2970	3180	3450	3630	3630
			0.625	15.9	116.09	172.95	16.750	425.2	Std	1250	1460	2480	2990	3000	3000	3000	3000	3000	3000
									Alt	1560	1820	2480	2990	3070	3310	3540	3630	3630	3630
			0.688	17.5	127.32	189.67	16.624	422.0	Std	1380	1610	2730	3000	3000	3000	3000	3000	3000	3000
									Alt	1720	2010	2730	3260	3380	3630	3630	3630	3630	3630
			0.750	19.1	138.30	206.25	16.500	148.8	Std	1500	1750	2980	3000	3000	3000	3000	3000	3000	3000
									Alt	1880	2150	2980	3530	3630	3630	3630	3630	3630	3630



API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)										
	in	mm	in	mm	lb/ft	kg/m	in	mm		Grade A	Grade B	Grade X 42	Grade X 46	Grade X 52	Grade X 56	Grade X 60	Grade X 65	Grade X 70	Grade X 80
										(L175)	(L210)	(L245)	(L290)	(L360)	(L390)	(L415)	(L450)	(L485)	(L555)
20	20.000	508.0	0.219	5.6	46.31	69.38	19.562	496.8	Std	390	460	830	910	1020	1100	1180	1280	1380	1580
									Alt	490	570	830	910	1020	1100	1180	1280	1380	1580
			0.250	6.4	52.78	79.16	19.500	495.2	Std	450	530	950	1040	1170	1260	1350	1460	1580	1800
									Alt	560	660	950	1040	1170	1260	1350	1460	1580	1800
			0.281	7.1	59.23	87.70	19.438	493.8	Std	510	590	1060	1160	1320	1420	1520	1640	1770	2020
									Alt	630	740	1060	1160	1320	1420	1520	1640	1770	2020
			0.312	7.9	65.66	97.43	19.376	492.2	Std	560	660	1180	1290	1460	1570	1680	1830	1970	2250
									Alt	700	820	1180	1290	1460	1570	1680	1830	1970	2250
			0.344	8.7	72.28	107.12	19.312	490.6	Std	620	720	1300	1420	1610	1730	1860	2010	2170	2480
									Alt	770	900	1300	1420	1610	1730	1860	2010	2170	2480
			0.375	9.5	78.67	116.78	19.250	489.0	Std	680	790	1420	1550	1760	1890	2030	2190	2360	2700
									Alt	840	980	1420	1550	1760	1890	2030	2190	2360	2700
			0.406	10.3	85.04	126.41	19.188	487.4	Std	30	850	1530	1680	1900	2050	2190	2380	2560	2920
									Alt	910	1070	1530	1680	1900	2050	2190	2380	2560	2920
			0.438	11.1	91.59	136.01	19.124	485.8	Std	790	920	1660	1810	2050	2210	2370	2560	2760	3000
									Alt	990	1150	1660	1810	2050	2210	2370	2560	2760	3000
			0.469	11.9	97.92	145.58	19.062	484.2	Std	840	980	1770	1940	2190	2360	2530	2740	2950	3000
									Alt	1060	1230	1770	1940	2190	2360	2530	2740	2950	3380
			0.500	12.7	104.23	155.12	19.000	482.6	Std	900	1050	1890	2070	2340	2520	2700	2930	3000	3000
									Alt	1130	1310	1890	2070	2340	2520	2700	2930	3150	3600
			0.562	14.3	116.78	174.10	18.876	479.4	Std	1010	1180	2120	2330	2630	2830	3000	3000	3000	3000
									Alt	1260	1480	2120	2330	2630	2830	3030	3290	3540	3630
			0.625	15.9	129.45	192.95	18.750	476.2	Std	1130	1310	2360	2590	2930	3000	3000	3000	3000	3000
									Alt	1410	1640	2360	2590	2930	3150	3380	3630	3630	3630
			0.688	17.9	142.03	216.34	18.624	472.2	Std	1240	1440	2600	2850	3000	3000	3000	3000	3000	3000
									Alt	1550	1810	2600	2850	3220	3630	3630	3630	3630	3630
			0.750	19.1	154.34	230.27	18.500	469.8	Std	1350	1580	2840	3000	3000	3000	3000	3000	3000	3000
									Alt	1690	1970	2840	3110	3510	3630	3630	3630	3630	3630

API 5L Line Pipe

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(ksi)										
	in	mm	in	mm	lb/ft	kg/m	in	mm		Grade A (L175)	Grade B (L210)	Grade X 42 (L245)	Grade X 46 (L290)	Grade X 52 (L360)	Grade X 56 (L390)	Grade X 60 (L415)	Grade X 65 (L450)	Grade X 70 (L485)	Grade X 80 (L555)
22	22.000	559.0	0.219	5.6	50.99	76.42	21.562	547.8	Std	360	420	750	820	930	1000	1080	1160	1250	1430
									Alt	450	520	750	820	930	1000	1080	1160	1250	1430
			0.250	6.4	58.13	87.21	21.500	546.2	Std	410	480	860	940	1060	1150	1230	1330	1430	1640
									Alt	510	600	860	940	1060	1150	1230	1330	1430	1640
			0.281	7.1	65.24	96.63	21.438	544.8	Std	460	540	970	1060	1200	1290	1380	1490	1610	1840
									Alt	570	670	970	1060	1200	1290	1380	1490	1610	1840
			0.312	7.9	72.34	107.36	21.376	543.2	Std	510	600	1070	1170	1330	1430	1530	1660	1790	2040
									Alt	640	740	1070	1170	1330	1430	1530	1660	1790	2040
			0.344	8.7	79.64	118.06	21.312	541.6	Std	560	660	1180	1290	1460	1580	1690	1830	1970	2250
									Alt	700	820	1180	1290	1460	1580	1690	1830	1970	2250
			0.375	9.5	86.69	128.73	21.250	540.0	Std	610	720	1290	1410	1600	1720	1840	1990	2150	2460
									Alt	770	890	1290	1410	1600	1720	1840	1990	2150	2460
			0.406	10.3	93.72	139.37	21.188	538.4	Std	660	780	1400	1530	1730	1860	1990	2160	2330	2660
									Alt	830	970	1400	1530	1730	1860	1990	2160	2330	2660
			0.438	11.1	100.96	149.97	21.124	536.8	Std	720	840	1510	1650	1860	2010	2150	2330	2510	2870
									Alt	900	1050	1510	1650	1860	2010	2150	2330	2510	2870
			0.469	11.9	107.95	160.55	21.062	535.2	Std	770	900	1610	1770	2000	2150	2300	2490	2690	3000
									Alt	960	1120	1610	1770	2000	2150	2300	2490	2690	3070
			0.500	12.7	114.92	171.09	21.000	533.6	Std	820	950	1720	1880	2130	2290	2450	2660	2860	3000
									Alt	1020	1190	1720	1880	2130	2290	2450	2660	2860	3270
			0.562	14.3	128.79	192.08	20.876	530.4	Std	920	1070	1930	2120	2390	2570	2760	2990	3000	3000
									Alt	1150	1340	1930	2120	2390	2570	2760	2990	3220	3630
			0.625	15.9	142.81	212.95	20.750	527.2	Std	1020	1190	2150	2350	2660	2860	3000	3000	3000	3000
									Alt	1280	1490	2150	2350	2660	2860	3070	3320	3580	3630
0.688	17.5	156.74	233.68	20.624	524.0	Std	1130	1310	2360	2590	2930	3000	3000	3000	3000	3000			
						Alt	1410	1640	2360	2590	2930	3150	3380	3630	3630	3630			
0.750	19.1	170.37	254.30	20.500	520.8	Std	1230	1430	2580	2820	3000	3000	3000	3000	3000	3000			
						Alt	1530	1790	2580	2820	3190	3630	3630	3630	3630	3630			



API 5L Line Pipe

Nominal Size	Outside Diameter(D)		Wall Thickness(t)		Weight (Wpe)		Calculated Inside Diameter(d)		Hydrostatic test Pressure(psi)											
	in	mm	in	mm	lb/ft	kg/m	in	mm		Grade A (L175)	Grade B (L210)	Grade X 42 (L245)	Grade X 46 (L290)	Grade X 52 (L360)	Grade X 56 (L390)	Grade X 60 (L415)	Grade X 65 (L450)	Grade X 70 (L485)	Grade X 80 (L555)	
24	24.000	610.0	0.250	6.4	63.47	95.26	23.500	597.2	Std	380	440	790	860	980	1050	1130	1220	1310	1500	
									Alt	470	550	790	860	980	1050	1130	1220	1310	1500	
			0.281	7.1	71.25	105.56	23.438	595.8	Std	420	490	890	970	1100	1180	1260	1370	1480	1690	
									Alt	530	610	890	970	1100	1180	1260	1370	1480	1690	
			0.312	7.9	79.01	117.30	23.376	594.2	Std	470	550	980	1080	1220	1310	1400	1520	1640	1870	
									Alt	590	680	980	1080	1220	1310	1400	1520	1640	1870	
			0.344	8.7	86.99	129.00	23.312	592.6	Std	520	600	1080	1190	1340	1440	1550	1680	1810	2060	
									Alt	650	750	1080	1190	1340	1440	1550	1680	1810	2060	
			0.375	9.5	94.71	140.68	23.250	591.0	Std	560	660	1180	1290	1460	1580	1690	1830	1970	2250	
									Alt	700	820	1180	1290	1460	1580	1690	1830	1970	2250	
			0.406	10.3	102.40	152.32	23.188	589.4	Std	610	710	1280	1400	1580	1710	1830	1980	2130	2440	
									Alt	760	890	1280	1400	1580	1710	1830	1980	2130	2440	
			0.438	11.1	110.32	163.93	23.124	587.8	Std	660	770	1380	1510	1710	1840	1970	2140	2300	2630	
									Alt	820	960	1380	1510	1710	1840	1970	2140	2300	2630	
			0.469	11.9	117.98	175.51	23.062	586.2	Std	700	820	1480	1620	1830	1970	2110	2290	2460	2810	
									Alt	880	1030	1480	1620	1830	1970	2110	2290	2460	2810	
			0.500	12.7	125.61	187.06	23.000	584.6	Std	750	880	1580	1730	1950	2100	2250	2440	2630	3000	
									Alt	940	1090	1580	1730	1950	2100	2250	2440	2630	3000	
			0.562	14.3	140.81	210.07	22.876	581.4	Std	840	980	1770	1940	2190	2360	2530	2740	2950	3000	
									Alt	1050	1230	1770	1940	2190	2360	2530	2740	2950	3370	
			0.625	15.9	156.17	232.94	22.750	578.2	Std	940	1090	1970	2160	2440	2630	2810	3000	3000	3000	
									Alt	1170	1370	1970	2160	2440	2630	2810	3050	3280	3630	
			0.688	17.5	171.45	255.69	22.624	575.0	Std	1030	1200	2170	2370	2680	2890	3000	3000	3000	3000	
									Alt	1290	1510	2170	2370	2680	2890	3100	3350	3610	3630	
			0.750	19.1	186.41	278.32	22.500	571.8	Std	1130	1310	2360	2590	2930	3000	3000	3000	3000	3000	
									Alt	1410	1640	2360	2590	2930	3150	3380	3630	3630	3630	
			0.812	20.6	201.28	299.41	22.376	568.8	Std	1220	1420	2560	2800	3000	3000	3000	3000	3000	3000	
									Alt	1520	1780	2560	2800	3170	3630	3630	3630	3630	3630	
			0.875	22.2	216.31	321.79	22.250	565.6	Std	1310	1530	2760	3000	3000	3000	3000	3000	3000	3000	
									Alt	1640	1910	2760	3020	3410	3630	3630	3630	3630	3630	

Note 1. 1psi=0.07031 kg/cm² 2.1lb/ft=0.45359 kg/ft

ASTM A53 Welded Pipes / A106 Seamless Pipes

1)Dimensions, Weights, and Test Pressures for plain End Pipe

NPS Designator	DN Designator	Outside Diameter, in.[mm]	Nominal wall Thickness, in.[mm]	Nominal weight[Mass] per Unit Length, Plain End,lb/ft[kg/m]	Weight Class	Schedule No.	Test Pressure, psi [kPa]	
							Grade A	Grade B
1/2	15	0.840 [21.3]	0.109 [2.77]	0.85 [1.27]	STD	40	700 [4800]	700 [4800]
			0.147 [3.73]	1.09 [1.62]	XS	80	850 [5900]	850 [5900]
			0.188 [4.78]	1.31 [1.95]	—	160	900 [6200]	900 [6200]
			0.294 [7.47]	1.72 [2.55]	XXS	—	1000 [6900]	1000 [6900]
3/4	20	1.050 [26.7]	0.113 [2.87]	1.13 [1.69]	STD	40	700 [4800]	700 [4800]
			0.154 [3.91]	1.48 [2.20]	XS	80	850 [5900]	850 [5900]
			0.219 [5.56]	1.95 [2.90]	—	160	950 [6600]	950 [6600]
			0.308 [7.82]	2.44 [3.64]	XXS	—	1000 [6900]	1000 [6900]
1	25	1.315 [33.4]	0.113 [3.38]	1.68 [2.50]	STD	40	700 [4800]	700 [4800]
			0.179 [4.55]	2.17 [3.24]	XS	80	850 [5900]	850 [5900]
			0.250 [6.35]	2.85 [4.24]	—	160	900 [6500]	900 [6500]
			0.358 [9.90]	3.66 [5.45]	XXS	—	1000 [6900]	1000 [6900]
1 1/4	32	1.660 [42.2]	0.140 [3.56]	2.27 [3.39]	STD	40	1200 [8300]	1300 [9000]
			0.191 [4.85]	3.00 [4.47]	XS	80	1800 [12400]	1900 [13100]
			0.250 [6.35]	3.77 [5.61]	—	160	1900 [13100]	2000 [13800]
			0.382 [9.70]	5.22 [7.77]	XXS	—	2200 [15200]	2300 [15900]
1 1/2	40	1.900 [48.3]	0.145 [3.68]	2.72 [4.05]	STD	40	2300 [15900]	1300 [9000]
			0.200 [5.08]	3.63 [5.41]	XS	80	2500 [17200]	1900 [13100]
			0.281 [7.14]	4.86 [7.25]	—	160	2500 [17200]	2050 [14100]
			0.400 [10.16]	6.41 [9.56]	XXS	—	2500 [17200]	2300 [15900]
2	50	2.375 [60.3]	0.154 [3.91]	3.66 [5.44]	STD	40	2300 [15900]	2500 [17200]
			0.218 [5.54]	5.03 [7.48]	XS	80	2500 [17200]	2500 [17200]
			0.344 [8.74]	7.47 [11.11]	—	160	2500 [17200]	2500 [17200]
			0.436 [11.07]	9.04 [13.44]	XXS	—	2500 [17200]	2500 [17200]
2 1/2	65	2.875 [73.0]	0.203 [5.16]	5.80 [8.63]	STD	40	2500 [17200]	2500 [17200]
			0.276 [7.01]	7.67 [11.41]	XS	80	2500 [17200]	2500 [17200]
			0.375 [9.52]	10.02 [14.90]	—	160	2500 [17200]	2500 [17200]
3	80	3.500 [88.9]	0.125 [3.18]	4.51 [6.72]	—	—	1290 [8900]	1500 [10300]
			0.156 [3.96]	5.58 [8.29]	—	—	1600 [11000]	1870 [12900]
			0.188 [4.78]	6.66 [9.92]	—	—	1930 [13330]	2260 [15600]
			0.216 [5.49]	7.58 [11.29]	STD	40	2220 [15300]	2500 [17200]
			0.250 [6.35]	8.69 [12.93]	—	—	2500 [17200]	2500 [17200]
			0.281 [7.14]	9.67 [14.40]	—	—	2500 [17200]	2500 [17200]
			0.300 [7.62]	10.26 [15.27]	XS	80	2500 [17200]	2500 [17200]
			0.438 [11.13]	14.34 [21.35]	—	160	2500 [17200]	2500 [17200]
3 1/2	90	4.000 [101.6]	0.125 [3.18]	5.18 [7.72]	—	—	1120 [7700]	1310 [19000]
			0.156 [3.96]	6.41 [9.53]	—	—	1400 [6700]	1640 [11300]
			0.188 [4.78]	7.66 [11.41]	—	—	1690 [11700]	1970 [13600]
			0.226 [5.74]	9.12 [13.57]	STD	40	2030 [14000]	2370 [16300]
			0.250 [6.35]	10.02 [14.92]	—	—	2250 [15500]	2500 [17200]
			0.281 [7.14]	11.17 [16.63]	—	—	2500 [17200]	2500 [17200]
			0.318 [8.08]	12.52 [18.63]	XS	80	2800 [19300]	2800 [19300]
4	100	4.500 [114.3]	0.125 [3.18]	5.58 [8.71]	—	—	1000 [6900]	1170 [8100]
			0.156 [3.96]	7.24 [10.78]	—	—	1250 [8600]	1640 [10100]
			0.188 [4.78]	8.67 [12.91]	—	—	1500 [10300]	1750 [12100]
			0.219 [5.56]	10.02 [14.91]	—	—	1750 [12100]	2040 [14100]
			0.237 [6.02]	10.80 [16.07]	STD	40	1900 [13100]	2210 [15200]
			0.250 [6.35]	11.36 [16.90]	—	—	2000 [13800]	2330 [16100]
			0.281 [7.14]	12.67 [18.87]	—	—	2250 [15100]	2620 [18100]
			0.312 [7.92]	13.97 [20.78]	—	—	2500 [17200]	2800 [19300]



ASTM A53/A106

NPS Designator	DN Designator	Outside Diameter, in.[mm]	Nominal wall Thickness, in.[mm]	Nominal weight[Mass] per Unit Length, Plain End,lb/ft[kg/m]	Weight Class	Schedule No.	Test Pressure, psi [kPa]	
							Grade A	Grade B
4	100	4.500 [114.3]	0.337 [8.56]	15.00 [22.32]	XS	80	2700 [18600]	2800 [19300]
			0.438 [11.13]	19.02 [28.32]	—	120	2800 [19300]	2800 [19300]
5	125	5.563 [141.3]	0.156 [3.96]	9.02 [13.41]	—	—	1010 [7000]	1180 [8100]
			0.188 [4.78]	10.80 [16.09]	—	—	1220 [8400]	1420 [9800]
			0.219 [5.56]	12.51 [18.61]	—	—	1420 [9800]	1650 [11400]
			0.258 [6.55]	14.63 [21.77]	STD	40	1670 [11500]	1950 [13400]
			0.281 [7.14]	15.87 [23.62]	—	—	1820 [12500]	2120 [14600]
			0.312 [7.92]	17.51 [26.05]	—	—	2020 [13900]	2360 [16300]
			0.344 [8.74]	19.19 [28.57]	—	—	2230 [15400]	2600 [17900]
			0.375 [9.52]	20.80 [30.94]	XS	80	2430 [16800]	2800 [19300]
			0.500 [12.70]	27.06 [40.28]	—	120	2800 [19300]	2800 [19300]
			0.188 [4.78]	12.094 [19.27]	—	—	1020 [7000]	1190 [8200]
6	150	6.625 [168.3]	0.219 [5.56]	15.00 [22.31]	—	—	1190 [8200]	1390 [9600]
			0.250 [6.35]	17.04 [25.36]	—	—	1360 [9400]	1580 [10900]
			0.280 [7.11]	18.99 [28.26]	STD	40	1520 [10500]	1780 [13000]
			0.312 [7.92]	21.06 [31.32]	—	—	1700 [11700]	1980 [13700]
			0.344 [8.74]	23.10 [34.39]	—	—	1870 [12900]	2180 [15000]
			0.375 [9.52]	25.05 [37.28]	—	—	2040 [14100]	2380 [16400]
			0.432 [10.97]	28.60 [42.56]	XS	80	2350 [16200]	2740 [18900]
			0.188 [4.78]	16.96 [25.26]	—	—	780 [5400]	920 [6300]
			0.203 [5.16]	18.28 [27.22]	—	—	850 [5900]	1000 [6900]
			0.219 [5.56]	19.68 [29.28]	—	—	910 [6300]	1070 [7400]
8	200	8.625 [219.1]	0.250 [6.35]	22.38 [33.31]	—	20	1040 [7200]	1220 [8400]
			0.277 [7.04]	24.72 [36.31]	—	30	1160 [7800]	1350 [9300]
			0.312 [7.92]	27.73 [41.24]	—	—	1300 [9000]	1520 [10500]
			0.322 [8.18]	28.58 [42.55]	STD	40	1340 [9200]	1570 [10800]
			0.344 [8.74]	30.45 [45.34]	—	—	1440 [9900]	1680 [11600]
			0.375 [9.52]	33.07 [49.20]	—	—	1570 [10800]	1830 [12600]
			0.406 [10.31]	35.67 [53.08]	—	60	1700 [11700]	2000 [13800]
			0.438 [11.13]	38.33 [57.08]	—	—	1830 [12600]	2130 [14700]
			0.500 [12.70]	43.43 [64.64]	XS	80	2090 [14400]	2430 [16800]
			0.188 [4.78]	21.23 [31.62]	—	—	630 [4300]	730 [5000]
			0.203 [5.16]	22.89 [34.08]	—	—	680 [4700]	800 [5500]
			0.219 [5.56]	24.65 [36.67]	—	—	730 [5000]	860 [5900]
			0.250 [6.35]	28.06 [41.75]	—	20	840 [5800]	980 [6800]
			0.279 [7.09]	31.23 [46.49]	—	—	930 [6400]	1090 [7500]
10	250	10.750 [273.0]	0.307 [7.80]	34.27 [51.01]	—	30	1030 [7100]	1200 [8300]
			0.344 [8.74]	38.27 [56.96]	—	—	1150 [7900]	1340 [9200]
			0.365 [9.27]	40.52 [60.29]	STD	40	1220 [8400]	1430 [9900]
			0.438 [11.13]	48.28 [71.87]	—	—	1470 [10100]	1710 [11800]
			0.500 [12.70]	54.79 [81.52]	XS	60	1670 [11500]	1950 [13400]
			0.203 [5.16]	27.23 [40.55]	—	—	570 [3900]	670 [4600]
			0.219 [5.56]	29.34 [43.63]	—	—	620 [4700]	720 [5000]
			0.250 [6.35]	33.41 [49.71]	—	20	710 [4900]	820 [5700]
			0.281 [7.14]	37.46 [55.75]	—	—	790 [5400]	930 [6400]
			0.312 [7.92]	41.48 [61.69]	—	—	880 [6100]	1030 [7100]
12	300	12.750 [323.8]	0.330 [8.38]	43.81 [65.18]	—	30	930 [6400]	1090 [7500]
			0.344 [8.74]	45.62 [67.90]	—	—	970 [6700]	1130 [7800]
			0.375 [9.52]	49.61 [73.78]	STD	—	1060 [7300]	1240 [8500]
			0.406 [10.31]	53.57 [79.70]	—	40	1150 [7900]	1340 [9200]
			0.438 [11.13]	57.65 [85.82]	—	—	1240 [8500]	1440 [9900]
12	300	12.750 [323.8]	0.500 [12.70]	65.48 [97.43]	XS	—	1410 [9700]	1650 [11400]
			0.562 [14.27]	73.22 [108.92]	—	60	1590 [11000]	1850 [12800]
			0.688 [17.48]	88.71 [132.04]	—	80	1940 [13400]	2270 [15700]
			0.210 [5.33]	30.96 [46.04]	—	—	540 [3700]	630 [4300]
			0.219 [5.56]	32.26 [47.99]	—	—	560 [3900]	660 [4500]
14	350	14.000 [355.6]	0.250 [6.35]	36.75 [54.69]	—	10	640 [4400]	750 [5200]
			0.281 [7.14]	41.21 [61.35]	—	—	720 [5000]	840 [5800]
			0.312 [7.92]	45.65 [67.90]	—	20	800 [5500]	940 [6500]
			0.344 [8.74]	50.22 [74.76]	—	—	880 [6100]	1030 [7100]
			0.375 [9.52]	54.62 [81.25]	STD	30	960 [6600]	1120 [7700]
			0.438 [11.13]	63.50 [94.55]	—	40	1100 [7700]	1290 [8900]
			0.469 [11.91]	67.84 [100.94]	—	—	1210 [8900]	1410 [9700]
			0.500 [12.70]	72.16 [107.39]	XS	—	1290 [8900]	1500 [10300]
			0.594 [15.09]	85.13 [126.71]	—	60	1530 [10500]	1790 [12300]
			0.750 [19.05]	106.23 [158.10]	—	80	1930 [13300]	2250 [15500]

ASTM A53/A106

NPS Designator	DN Designator	Outside Diameter, in.[mm]	Nominal wall Thickness, in.[mm]	Nominal weight[Mass] per Unit Length, Plain End,lb/ft[kg/m]	Weight Class	Schedule No.	Test Pressure, psi [kPa]	
							Grade A	Grade B
12	300	12.750 [323.8]	0.406 [10.31]	53.57 [79.70]	—	40	1150 [7900]	1340 [9200]
			0.438 [11.13]	57.65 [85.82]	—	—	1240 [8500]	1440 [9900]
			0.500 [12.70]	65.48 [97.43]	XS	—	1410 [9700]	1650 [11400]
			0.562 [14.27]	73.22 [108.92]	—	60	1590 [11000]	1850 [12800]
			0.688 [17.48]	88.71 [132.04]	—	80	1940 [13400]	2270 [15700]
14	350	14.000 [355.6]	0.210 [5.33]	30.96 [46.04]	—	—	540 [3700]	630 [4300]
			0.219 [5.56]	32.26 [47.99]	—	—	560 [3900]	660 [4500]
			0.250 [6.35]	36.75 [54.69]	—	10	640 [4400]	750 [5200]
			0.281 [7.14]	41.21 [61.35]	—	—	720 [5000]	840 [5800]
			0.312 [7.92]	45.65 [67.90]	—	20	800 [5500]	940 [6500]
			0.344 [8.74]	50.22 [74.76]	—	—	880 [6100]	1030 [7100]
			0.375 [9.52]	54.62 [81.25]	STD	30	960 [6600]	1120 [7700]
			0.438 [11.13]	63.50 [94.55]	—	40	1130 [7800]	1310 [9000]
			0.469 [11.91]	67.84 [100.94]	—	—	1210 [8900]	1410 [9700]
			0.500 [12.70]	72.16 [107.39]	XS	—	1290 [8900]	1500 [10300]
			0.594 [15.09]	85.13 [126.71]	—	60	1530 [10500]	1790 [12300]
			0.750 [19.05]	106.23 [158.10]	—	80	1930 [13300]	2250 [15500]
			16	400	16.000 [406.4]	0.219 [5.56]	36.95 [54.96]	—
0.250 [6.35]	42.09 [62.64]	—				10	560 [3900]	660 [4500]
0.281 [7.14]	47.22 [70.30]	—				—	630 [4300]	740 [5100]
0.312 [7.92]	52.32 [77.83]	—				20	700 [4800]	820 [5700]
0.344 [8.74]	57.57 [85.71]	—				—	770 [5300]	900 [6200]
0.375 [9.52]	62.64 [93.17]	STD				30	840 [5800]	980 [6800]
0.438 [11.13]	72.86 [108.49]	—				—	990 [6800]	1150 [7900]
0.469 [11.91]	77.87 [115.86]	—				—	1060 [7300]	1230 [8500]
0.500 [12.70]	82.85 [123.30]	XS				40	1120 [7700]	1310 [9000]
0.656 [16.66]	107.60 [160.12]	—				60	1480 [10200]	1720 [11900]
18	450	18.000 [457]	0.250 [6.35]	47.44 [70.60]	—	10	500 [3400]	580 [4000]
			0.281 [7.14]	53.23 [79.24]	—	—	560 [3900]	660 [4500]
			0.312 [7.92]	58.99 [87.75]	—	20	620 [4300]	730 [5000]
			0.344 [8.74]	64.93 [96.66]	—	—	690 [4800]	800 [5500]
			0.375 [9.52]	70.65 [105.10]	STD	—	750 [5200]	880 [6100]
			0.406 [10.31]	76.36 [113.62]	—	—	810 [5600]	950 [6500]
			0.438 [11.13]	82.23 [122.43]	—	30	880 [6100]	1020 [7000]
			0.469 [11.91]	87.89 [130.78]	—	—	940 [6500]	1090 [7500]
			0.500 [12.70]	93.54 [139.20]	XS	—	1000 [6900]	1170 [8100]
			0.562 [14.27]	104.76 [155.87]	—	40	1120 [7700]	1310 [9000]
0.750 [19.05]	138.30 [205.83]	—	60	1500 [10300]	1750 [12100]			
20	500	20.000 [508]	0.250 [6.35]	52.78 [78.55]	—	10	450 [3100]	520 [3600]
			0.281 [7.14]	59.23 [88.19]	—	—	510 [3500]	590 [4100]
			0.312 [7.92]	65.66 [97.67]	—	—	560 [3900]	660 [4500]
			0.344 [8.74]	72.28 [107.60]	—	—	620 [4300]	720 [5000]
			0.375 [9.52]	78.67 [117.02]	STD	20	680 [4700]	790 [5400]
			0.406 [10.31]	84.04 [126.53]	—	—	730 [5000]	850 [5900]
			0.438 [11.13]	91.59 [136.37]	—	—	790 [5400]	920 [6300]
20	500	20.000 [508]	0.469 [11.91]	97.92 [145.70]	—	—	850 [5900]	950 [6500]
			0.500 [12.70]	104.23 [155.12]	XS	30	900 [6200]	1050 [7200]
			0.594 [15.09]	123.23 [183.42]	—	40	1170 [8100]	1250 [8600]
24	600	24.000 [610]	0.250 [6.35]	63.47 [94.46]	—	10	380 [2600]	440 [3000]
			0.281 [7.14]	71.25 [106.08]	—	—	420 [2900]	490 [3400]
			0.312 [7.92]	79.01 [117.51]	—	—	470 [3200]	550 [3800]
			0.344 [8.74]	86.99 [129.50]	—	—	520 [3600]	600 [4100]
			0.375 [9.52]	94.71 [140.88]	—	—	560 [3900]	660 [4500]
			0.406 [10.31]	102.40 [152.37]	STD	20	560 [3900]	660 [4500]
			0.438 [11.13]	110.32 [164.26]	—	—	610 [4200]	710 [4900]
			0.469 [11.91]	117.98 [175.54]	—	—	660 [4500]	770 [5300]
			0.469 [11.91]	117.98 [175.54]	—	—	700 [4800]	820 [5700]
			0.500 [12.70]	125.61 [186.94]	XS	—	750 [5200]	880 [6100]
			0.562 [14.27]	140.81 [209.50]	—	30	840 [5800]	980 [6800]
			0.688 [17.48]	171.45 [255.24]	—	40	1030 [7100]	1200 [8300]

DETECTING DEPARTMENT

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PRODUCTION EQUIPMENT



Intermediate-frequency bend machine



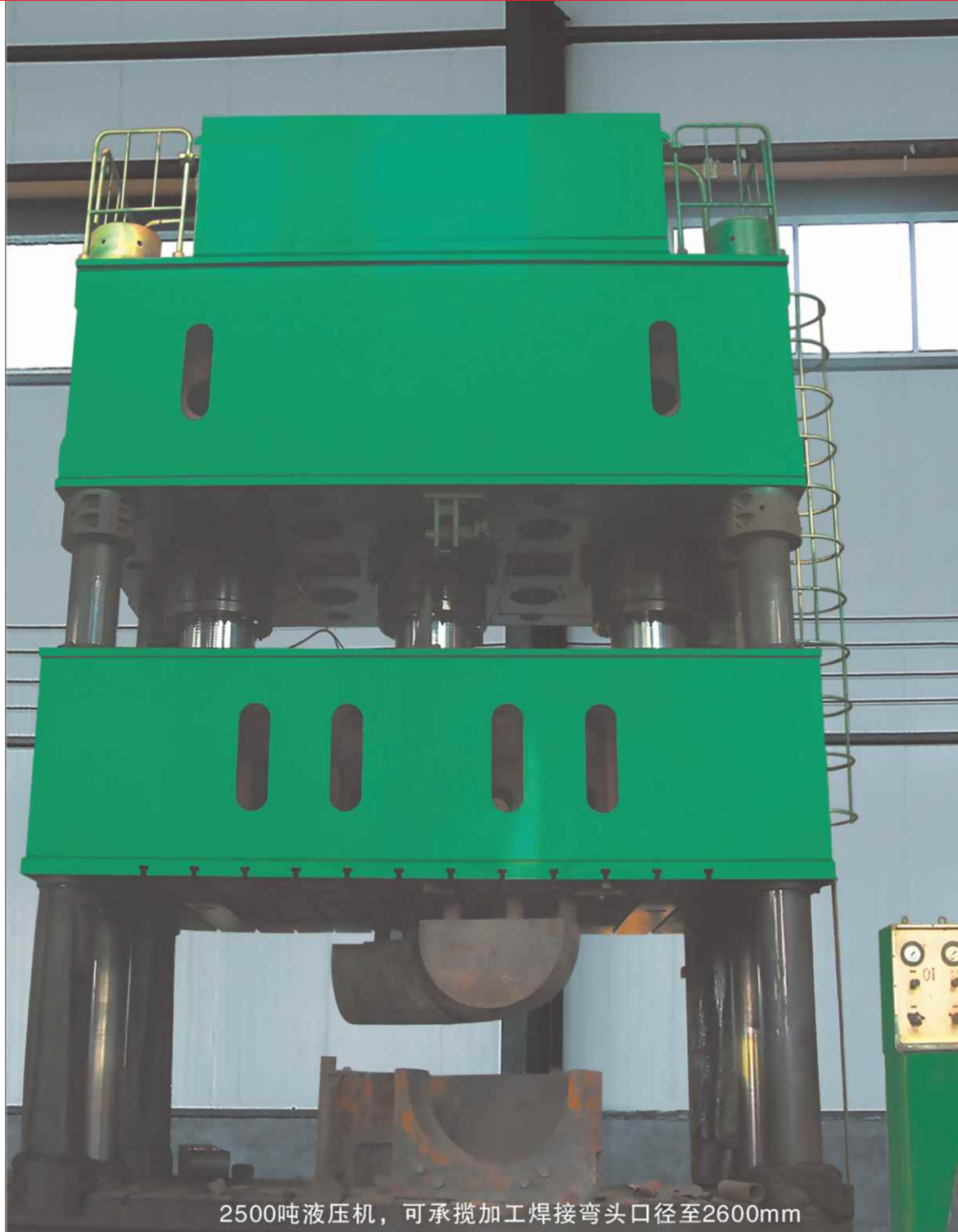
Intermediate-frequency extruding machine



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Large vertical vehicle



2500吨液压机，可承揽加工焊接弯头口径至2600mm

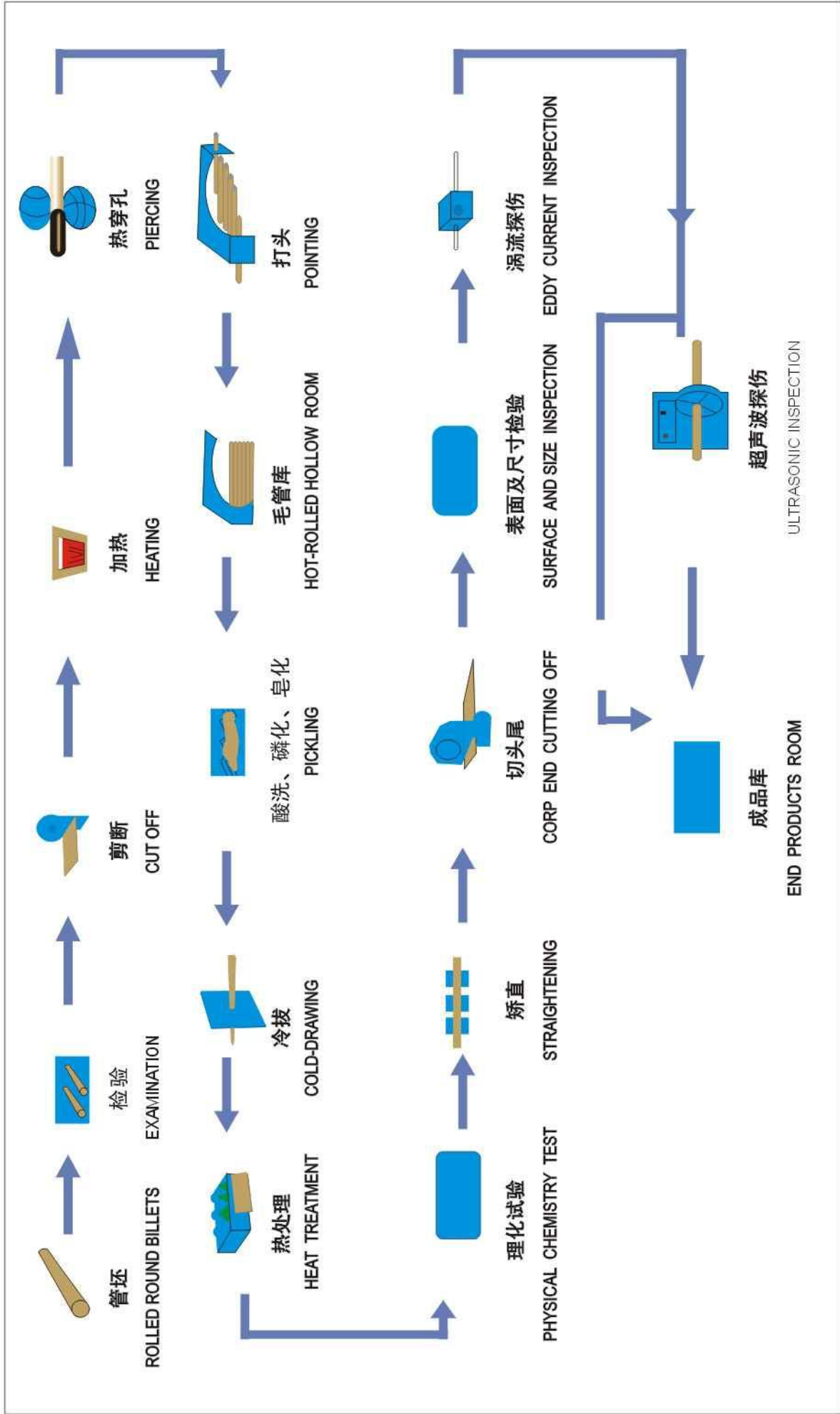
Hydraulic pressure machine of 2500 Tons that can be used to process with a maximum 2600mm caliber



Sloping-machines of high-pressure pipe fittings

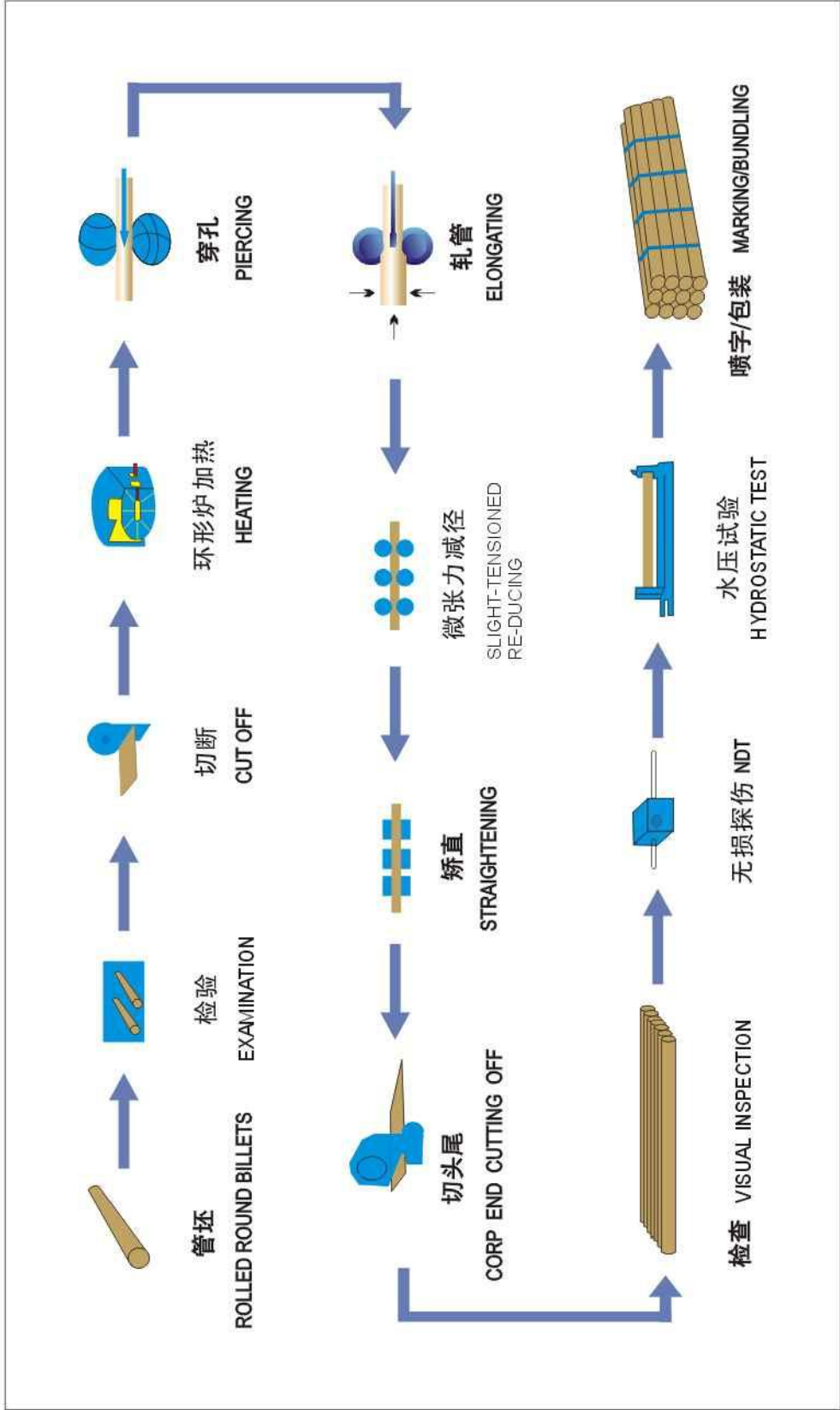
冷拔无缝钢管生产工艺流程图

COLD-DRAWING SEAMLESS STEEL PIPE
process flow chart



热轧无缝钢管生产工艺流程图

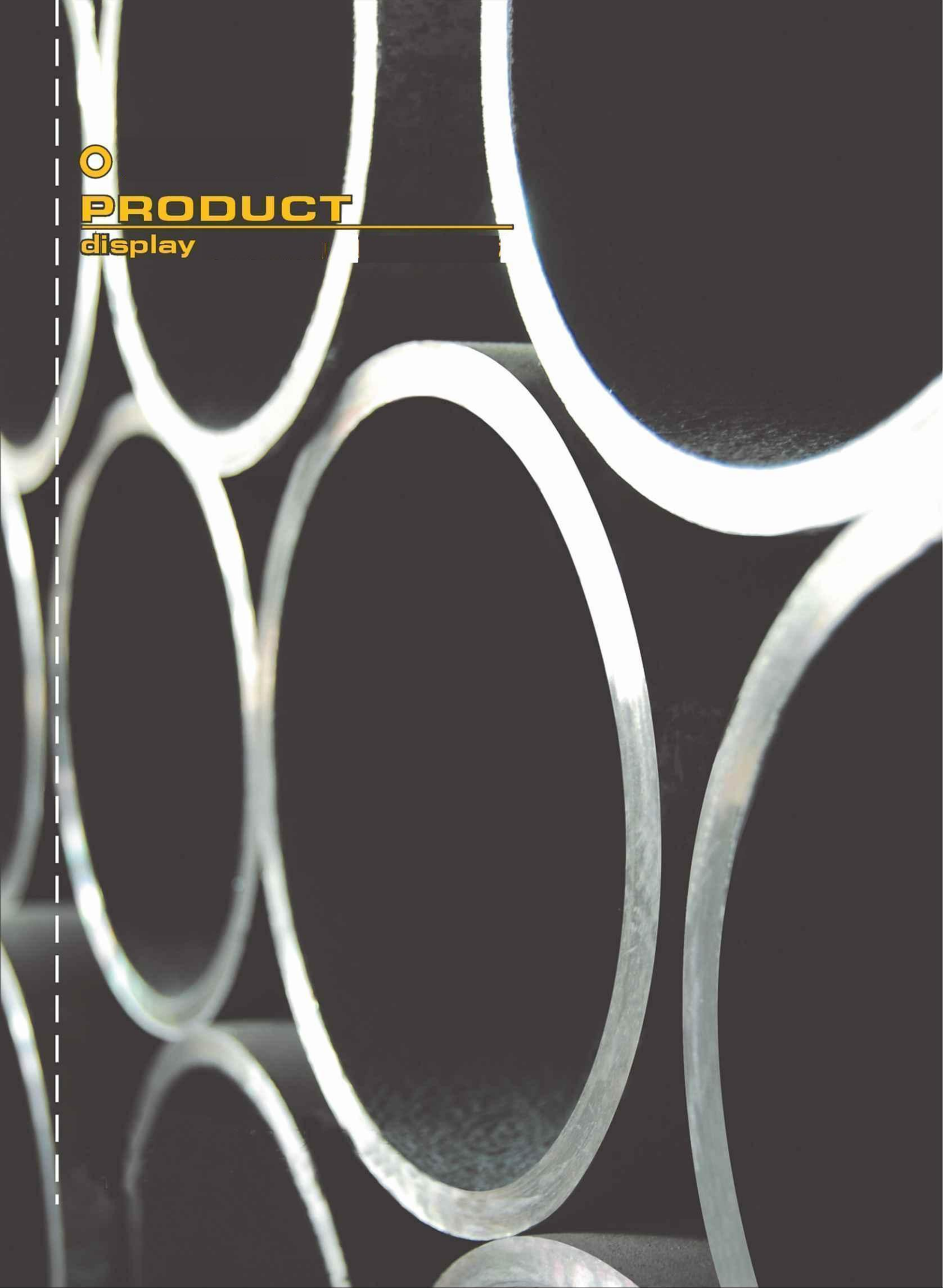
HOT-ROLLING SEAMLESS STEEL PIPE
process flow chart



SAMPLE PIPE



○
PRODUCT
display



产品展示 PRODUCT

display 今天的成功 明天奋斗的动力



Hot Galvanized Pipes with Thread & Coupling