

Boly Pipe



Boly Pipe Co., Ltd
Seamless Pipe Manufacturer In Thailand



Boly Pipe Co., Ltd

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【 Boly Pipe Co., Ltd 】

About us

Boly Pipe Co., Ltd is a professional manufacturer of hot-rolling Seamless Steel pipes in Thailand, main products including OCTG, line pipe, mechanical structural pipe and other seamless carbon or alloy steel pipes. The plant is equipped with 1 hot-rolling line, 2 heat-treatment lines and 3 threading lines, are able to provide the finished pipes independently.

We supply products and services at a high quality level base on our high credit standing, powerful design capability, advanced technologies and management. An efficient quality control and assurance system has been established and maintained perfectly in Boly, strictly controlling and continually improving the quality of products and services to satisfy your requirements.

Appreciate your attention to our company, any advice and comments on our products or service are welcome.



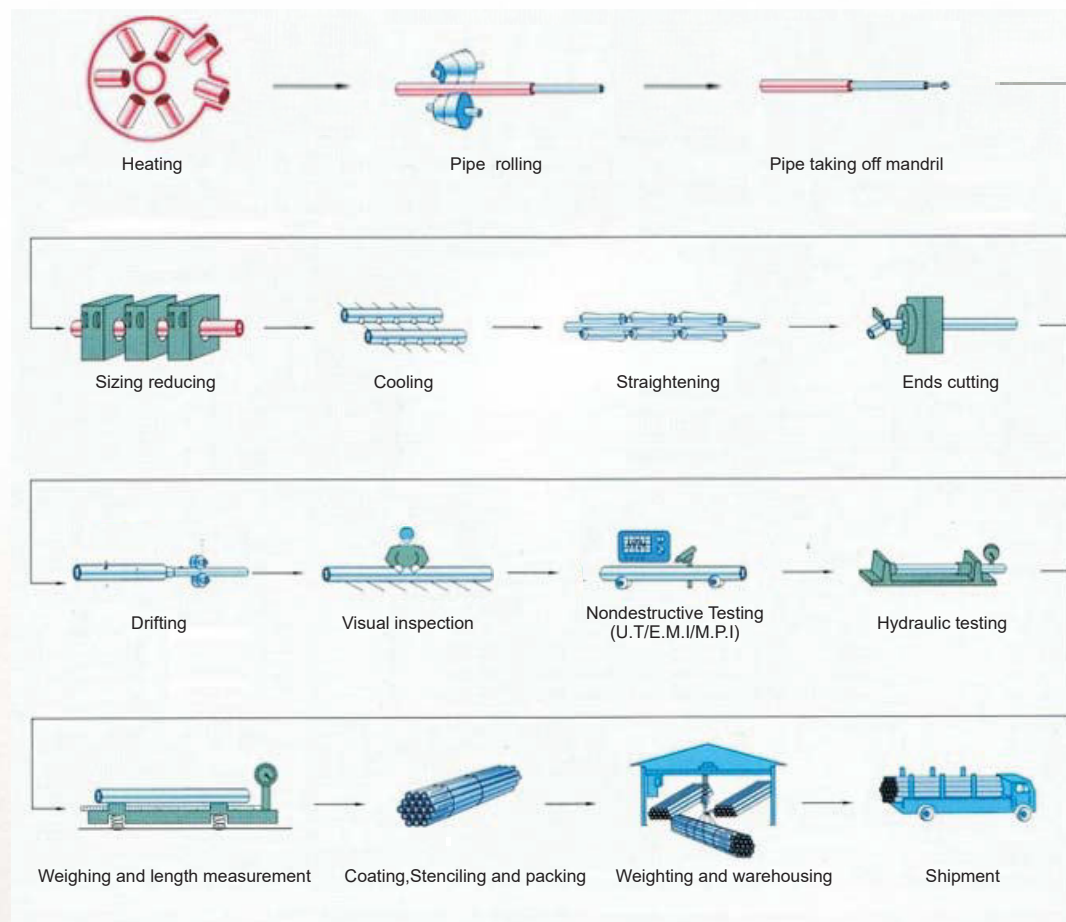
ENTERPRISES CERTIFICATES



【MANUFACTURING PROCESS】



- Hot-rolling
- Heat-treatment
 - ◆ Φ 273 H-T Line — 4 1/2" — 10 3/4"
 - ◆ Φ 140 H-T Line — 2 3/8" — 5 1/2"
- Threading
- Inspection & Lab



【Hot-rolling】



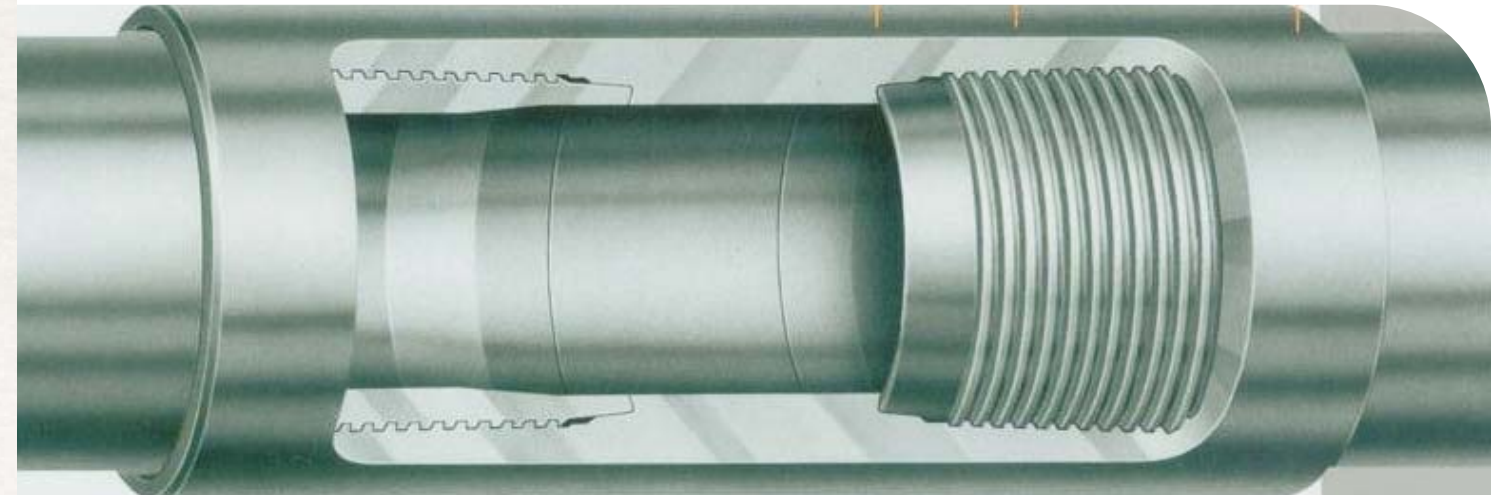
Seamless pipe hot-rolling mill
Capacity: 300,000 MT/year



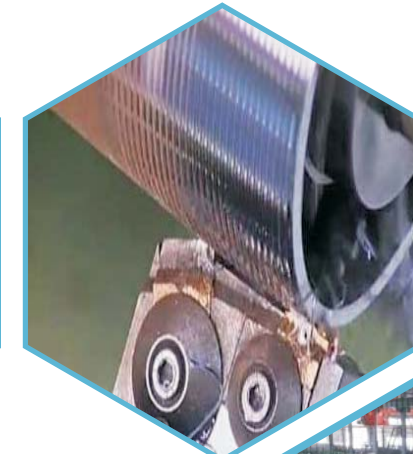
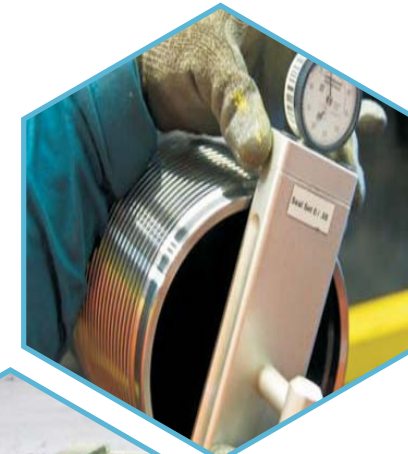
Heat-Treatment



2 Heat-treatment Lines with: Walking Beam Quenching & Tempering Furnaces (Natural Gas Heating)
Application: Steel Material Upgrading
Capacity: 130,000 MT/year



Threading

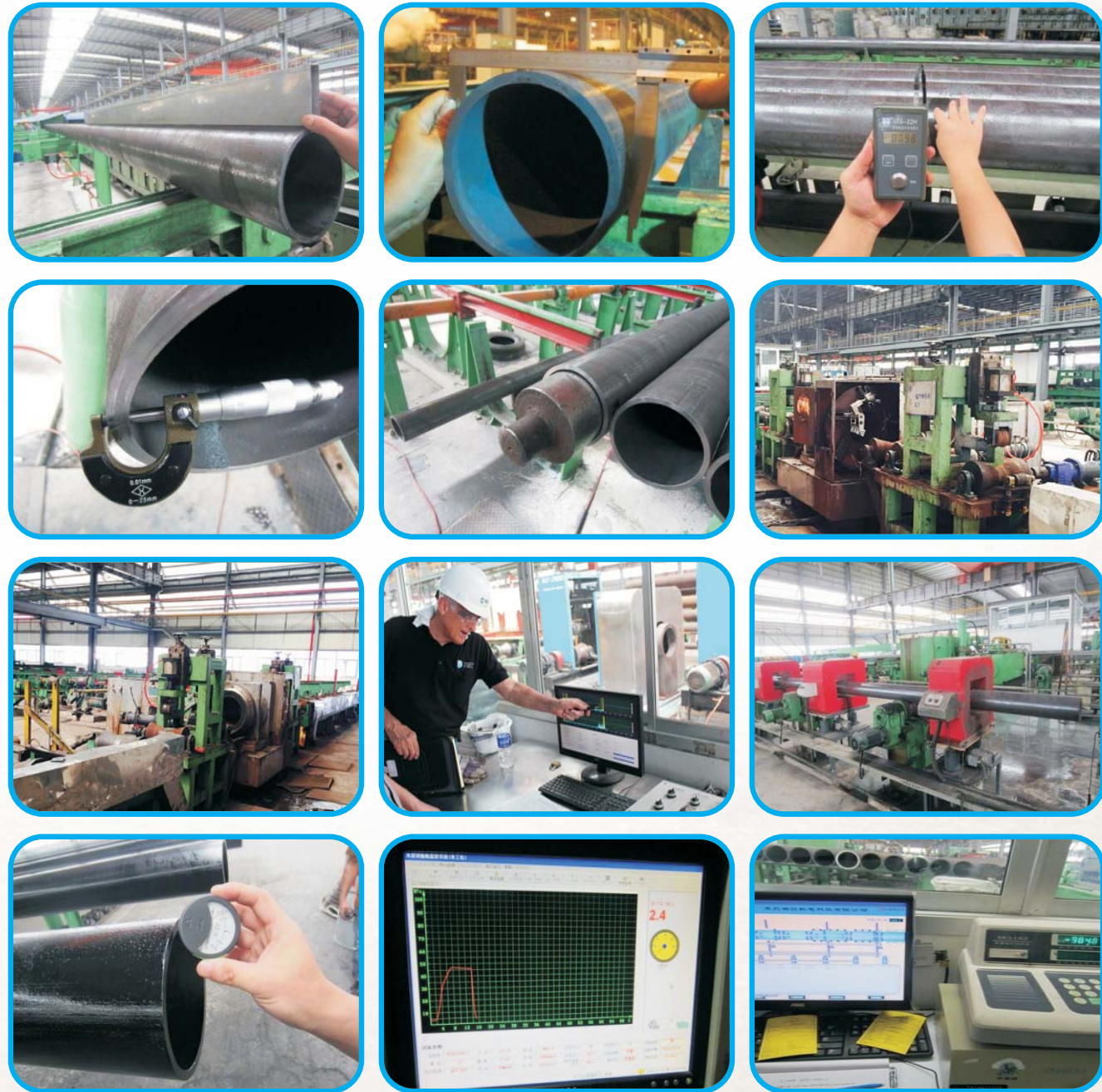


BOLYPIPE

3 Threading Lines
Pipe: 4 1/2" - 10 3/4"
Threads: API 5CT&5B
LTC, BTC, STC
Capacity: 120,000 MT/year

Premium Connections:
BGT2(Bao Steel)
Authorized Connections:
GeoConn(Metal One)

Inspection



【 Lab 】



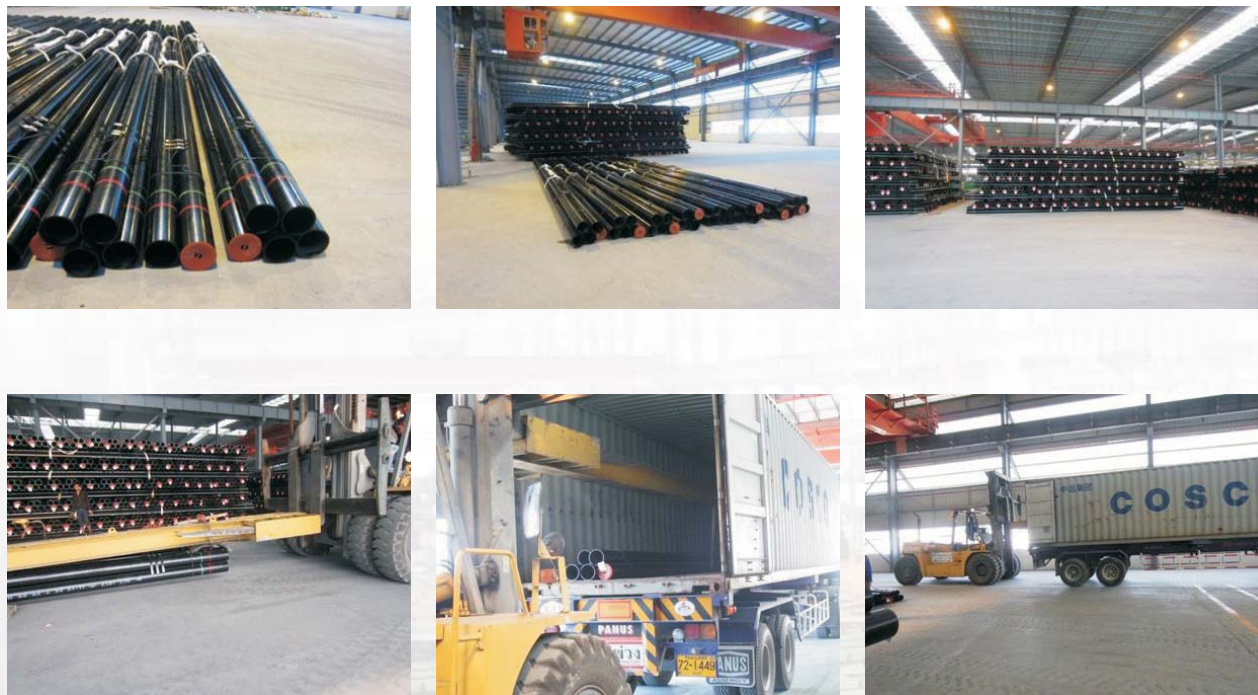
Mechanical Properties Testing Chemical Composition Analysis



Coating & Stenciling



Packing & Shipping



Product

Size Range: OD4"~10" × WT0.237"~1.0"

- **Casing**

Standard:API 5CT & 5B
 Directive 010
 GOST 632
 ISO 11960

- **Line Pipe**

Standard:API 5L
 CSA Z245.1

- **Mechanical Pipe**

Standard:ASTM A519/A53/A106/A333

Casing

Size

Standard: API 5CT&5B

Outside Diameter in(mm)	Weight Designation	Wall Thickness		Type of end finish			
				Grade			
		in	mm	J55	L80-1	N80	P110
4 1/2" (114.3)	11.6	0.25	6.35	PSLB	PLB	PLB	PLB
	13.5	0.29	7.37		PLB	PLB	PLB
	15.1	0.337	8.56				PLB
5" (127)	13	0.253	6.43	PSLB			
	15	0.296	7.52	PSLB	PLB	PLB	PLB
	18	0.362	9.19		PLB	PLB	PLB
	21.4	0.437	11.1		PLB	PLB	PLB
	23.2	0.478	12.14		PLB	PLB	PLB
	24.1	0.5	12.7		PLB	PLB	PLB
5 1/2" (139.7)	15.5	0.275	6.99	PSLB			
	17	0.304	7.72	PSLB	PLB	PLB	PLB
	20	0.361	9.17		PLB	PLB	PLB
	23	0.415	10.54		PLB	PLB	PLB
	26.8	0.5	12.7				
	29.7	0.562	14.27				
	32.6	0.625	15.87				
	35.3	0.687	17.45				
	38	0.75	19.05				
	40.5	0.812	20.62				
7" (177.8)	23	0.317	8.05	PSLB	PLB	PLB	PLB
	26	0.362	9.19	PSLB	PLB	PLB	PLB
	29	0.408	10.36		PLB	PLB	PLB
	32	0.453	11.51		PLB	PLB	PLB
	35	0.495	12.65		PLB	PLB	PLB
	38	0.54	13.72		PLB	PLB	PLB

Note: P – Plain-end; S – Short round thread; L – Long round thread; B – Buttress thread

Standard: API 5CT&5B

Outside Diameter in(mm)	Weight Designation	Wall Thickness		Type of end finish			
				Grade			
		in	mm	J55	L80-1	N80	P110
7" (177.8)	42.7	0.626	15.87				
	46.4	0.687	17.45				
	50.1	0.75	19.05				
	53.6	0.812	20.62				
	57.1	0.875	22.23				
7 5/8" (193.68)	24	0.3	7.62				
	26.4	0.328	8.33	PSLB	PLB	PLB	
	29.7	0.375	9.52		PLB	PLB	PLB
	33.7	0.4	10.92		PLB	PLB	PLB
	39	0.5	12.7		PLB	PLB	PLB
	42.8	0.562	14.27		PLB	PLB	PLB
	45.3	0.595	15.11		PLB	PLB	PLB
	47.1	0.625	15.88		PLB	PLB	PLB
	51.2	0.687	17.45				
55.3	0.75	19.05					
8 5/8" (219.1)	24	0.264	6.71	PS			
	28	0.304	7.72				
	32	0.352	8.94	PSLB			
	36	0.4	10.16	PSLB	PLB	PLB	
	40	0.45	11.43		PLB	PLB	PLB
	44	0.5	12.7		PLB	PLB	PLB
9 5/8" (244.5)	49	0.557	14.15		PLB	PLB	PLB
	36	0.352	8.94	PSLB			
	40	0.395	10.03	PSLB	PLB	PLB	
	43.5	0.435	11.05		PLB	PLB	PLB
	47	0.472	11.99		PLB	PLB	PLB
	53.5	0.545	13.84		PLB	PLB	PLB
	58.4	0.595	15.11		PLB	PLB	PLB
	59.4	0.609	15.47				
	64.9	0.672	17.07				
	70.3	0.734	18.64				
10 3/4" (273.1)	75.6	0.797	20.24				
	40.5	0.35	8.98	PSB			
	45.5	0.4	10.16	PSB			
	51	0.45	11.43	PSB	PSB	PSB	PSB
	55.5	0.495	12.7		PSB	PSB	PSB
	60.7	0.545	13.84				PSB
	65.7	0.595	15.11				
	73.2	0.672	17.07				
	79.2	0.734	18.64				
	85.3	0.797	20.24				

Note: P – Plain-end; S – Short round thread; L – Long round thread; B – Buttress thread

Mechanical Properties Standard: API 5CT&5B

Grade	Type	Yield Strength		Yield Strength		Tensile Strength		Hardness	Elongation
		Mpa		Ksi		Mpa	Ksi	Max	%
		Min	Max	Min	Max	Min	HRC		
H40		276	552	40	80	414	60	-	0.5
J55	-	379	552	55	80	517	75	-	0.5
K55	-	379	552	55	80	655	95	-	0.5
N80	1	552	758	80	110	689	100	-	0.5
N80	Q	552	758	80	110	689	100	-	0.5
L80	1	552	655	80	95	655	95	23	0.5
L80HC	1	552	655	80	95	655	95	23	0.5
P110	-	758	965	110	140	862	125	-	0.6
P110HY	-	758	965	110	140	862	125	-	0.6
P110CY	-	758	862	110	125	862	125	-	0.6
P110HCP	-	862	965	125	140	897	130	-	0.6

Chemical Composition Standard: API 5CT&5B

Grade	Chemical Composition(%)												
	C		Mn		Mo		Cr		Ni	Cu	P	S	Si
	Min	Max	Min	Max	Min	Max	Min	Max	Max	Max	Max	Max	Max
H40	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
J/K55	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
N80	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
L80-1	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
L80HC	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
P110	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
P110HC	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
P110CY	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
P110HCP	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37

Mechanical Properties Standard: Directive 010

Grade	Type	Yield Strength		Yield Strength		Tensile Strength		Impact Property		Hardness	Elongation
		Mpa		Ksi		Mpa	Ksi	Longitudinal	Transverse	Max	%
		Min	Max	Min	Max	Min	Min(J)	Min(J)	HRC		
H40		276	552	40	80	414	60	45	30	-	0.5
J55	-	379	552	55	80	517	75	60	40	-	0.5
K55	-	379	552	55	80	655	95	60	40	-	0.5
N80	1	552	655	80	95	655	95	80	55	-	0.5

Chemical Composition Standard: Directive 010

Grade	Chemical Composition(%)												
	C		Mn		Mo		Cr		Ni	Cu	P	S	Si
	Min	Max	Min	Max	Min	Max	Min	Max	Max	Max	Max	Max	Max
H40	--	0.35	--	1.35	--	--	--	--	--	--	0.02	0.015	--
J55	--	0.35	--	1.35	--	--	--	--	--	--	0.02	0.015	--
K55	--	0.35	--	1.35	--	--	--	--	--	--	0.02	0.015	--
L80-1	--	0.32	--	1.40	--	--	--	--	--	--	0.02	0.015	--

Main Tolerance Range

Item	Tolerance
Outside Diameter	D<114.3mm, ±0.79mm
	D≥114.3mm, ± ^{1.0} / _{0.5} %D
Wall Thickness	Min: -12.5%
Weight	Single length
	Carloads

Length Range

Range	Range1	Range2	Range3
Casing	4.88-7.62m(16.0-25.0ft)	7.62-10.36m(25.0-34.0ft)	10.36-14.63m(34.0-48.0ft)

Special length available on request

Line Pipe

Available Size

Standard: API 5L

Nominal Size	Outside Diameter		Wall Thickness		Nominal Weight	
	in.	mm	in.	mm	lb/ft	kg/m
4"	4.500	114.3	0.237	6.02	10.80	16.07
	4.500	114.3	0.250	6.35	11.36	16.90
	4.500	114.3	0.281	7.14	12.67	18.87
	4.500	114.3	0.312	7.92	13.97	20.78
	4.500	114.3	0.337	8.56	15.00	22.32
	4.500	114.3	0.438	11.13	19.02	28.32
5"	5.563	141.3	0.258	6.55	14.63	21.77
	5.563	141.3	0.281	7.14	15.87	23.62
	5.563	141.3	0.312	7.92	17.51	26.05
	5.563	141.3	0.344	8.74	19.19	28.57
	5.563	141.3	0.375	9.53	20.80	30.94
	5.563	141.3	0.500	12.70	27.06	40.28
	5.563	141.3	0.625	15.88	32.99	49.11
6"	6.625	168.3	0.250	6.35	17.04	25.36
	6.625	168.3	0.280	7.11	18.99	28.26
	6.625	168.3	0.312	7.92	21.06	31.32
	6.625	168.3	0.344	8.74	23.10	34.39
	6.625	168.3	0.375	9.52	25.05	37.28
	6.625	168.3	0.432	10.97	28.60	42.56
	6.625	168.3	0.562	14.27	36.43	54.20
	6.625	168.3	0.719	18.26	45.39	67.56
8"	8.625	219.1	0.277	7.04	24.72	36.31
	8.625	219.1	0.312	7.92	27.73	41.24
	8.625	219.1	0.322	8.18	28.58	42.55
	8.625	219.1	0.344	8.74	30.45	45.34
	8.625	219.1	0.375	9.53	33.07	49.20
	8.625	219.1	0.406	10.31	35.67	53.08
	8.625	219.1	0.438	11.13	38.33	57.08
	8.625	219.1	0.500	12.70	43.43	64.64
	8.625	219.1	0.594	15.09	51.00	75.92
	8.625	219.1	0.719	18.26	60.77	90.44
	8.625	219.1	0.812	20.62	67.82	100.92
	8.625	219.1	0.875	22.22	72.49	107.88
	8.625	219.1	0.906	23.01	74.76	111.27
	10"	10.750	273.0	0.307	7.80	34.27
10.750		273.0	0.344	8.74	38.27	56.96
10.750		273.0	0.365	9.27	40.52	60.29
10.750		273.0	0.438	11.13	48.28	71.87
10.750		273.0	0.500	12.70	54.79	81.52
10.750		273.0	0.594	15.09	64.49	95.97
10.750		273.0	0.719	18.26	77.10	114.70
10.750		273.0	0.844	21.44	89.38	133.00
10.750		273.0	1.000	25.40	104.23	155.09

Chemical Composition

PSL	Grade	C ≤	Mn ≤	P ≤	S ≤
PSL1	L175/A25	0.21	0.6	0.03	0.03
	L210/A	0.22	0.9	0.03	0.03
	B	0.28	1.2	0.03	0.03
	X42 X52/R/Q	0.28	1.3	0.03	0.03
PSL2	X46 , X52	0.28	1.4	0.03	0.03
	BR/Q	0.24	1.2	0.025	0.015
	X42 R/Q	0.24	1.2	0.025	0.015
	X46Q, X52Q, X56Q	0.18	1.4	0.025	0.015
	X60Q, X65Q, X70Q, X80Q	0.18	1.7	0.025	0.015

Mechanical properties

PSL	Grade	Tensile Strength		Yield Strength		Elongation
		Min Mpa (Psi)	Max Mpa (Psi)	Min Mpa (Psi)	Max Mpa (Psi)	
PSL1	A25	310 (45000)		175 (25400)		See API SPEC 5L
	A	335 (48600)		210 (30500)		
	B	415 (60200)		245 (35500)		
	X42	415 (60200)		290 (42100)		
	X46	435 (63100)		320 (46400)		
	X52	460 (66700)		360 (52200)		
	X56	490 (71100)		390 (56600)		
	X60	520 (75400)		415 (60200)		
	X65	535 (77600)		450 (65300)		
	X70	570 (82700)		485 (70300)		
PSL	Grade	Tensile Strength		Yield Strength		Elongation
		Min Mpa (Psi)	Max Mpa (Psi)	Min Mpa (Psi)	Max Mpa (Psi)	
PSL2	B	415 (60200)	655 (95000)	245 (35500)	450 (65300)	See API SPEC 5L
	X42	415 (60200)	655 (95000)	290 (42100)	495 (71800)	
	X46	435 (63100)	655 (95000)	320 (46400)	525 (76100)	
	X52	460 (66700)	760(110200)	360 (52200)	530 (76900)	
	X56	490 (71100)	760(110200)	390 (56600)	545 (79000)	
	X60	520 (75400)	760(110200)	415 (60200)	565 (81900)	
	X65	535 (77600)	760(110200)	450 (65300)	600 (87000)	
	X70	570 (82700)	760(110200)	485 (70300)	635 (70300)	
X80	625 (90600)	825(119700)	555 (30500)	705(102300)		

Mechanical Pipe

Standard: ASTM/DIN/EN/CASA

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	
							Grade A	Grade B
4	100	4.5000[114.3]	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]
			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]	0.258[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]
			0.719[18.26]	45.39[67.56]	-	160	2800[19300]	2800[19300]
			0.025[15.88]	32.99[49.11]	-	160	2800[19300]	2800[19300]
6	150	6.625[168.3]	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[12300]
			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]
			0.562[14.27]	36.43[54.20]	-	120	2800[19300]	2800[19300]
			0.719[18.26]	45.39[67.56]	-	160	2800[19300]	2800[19300]
			0.864[21.95]	53.21[79.22]	XXS	-	2800[19300]	2800[19300]

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	
							Grade A	Grade B
8	200	8.625[219.1]	0.277[7.04]	24.72[36.31]	-	-	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]
			0.594[15.09]	51.00[75.92]	-	100	2500[17200]	2800[19300]
			0.719[18.26]	60.77[90.44]	-	120	2800[19300]	2800[19300]
			0.812[20.62]	67.82[100.92]	-	140	2800[19300]	2800[19300]
			0.875[22.22]	72.49[107.88]	XXS	-	2800[19300]	2800[19300]
			0.906[23.01]	74.76[111.27]	-	160	2800[19300]	2800[19300]
			10	250	10.750[273.0]	0.307[7.80]	34.27[51.01]	-
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]
0.594[15.09]	64.49[95.97]	-				80	1990[13700]	2320[16000]
0.719[18.26]	77.10[114.70]	-				100	2410[16600]	2800[19300]
0.844[21.44]	89.38[133.00]	-				120	2800[19300]	2800[19300]
1 000[25 04]	104 23[155 09]	-				140	2800[19300]	2800[19300]