

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	
	5.563	141.3	0.719	18.26	45.39	67.56	
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	
	6.625	168.3	0.864	21.95	53.21	79.22	
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	51.01
		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)		
PSL2		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)		