



# LINE PIPE

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## API 5L

Nominal size	Outside diameter		Wall thickness		Weight		Test pressure																	
							A				B													
							STD		ALT		STD		ALT											
in.	mm	Grade	in.	mm	lb/ft	kg/ft	kg/m	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100									
4	4.000	101.6	Grade	in.	mm	lb/ft	kg/ft	kg/m	A		B		A		B									
									STD		ALT		STD		ALT		STD		ALT					
									psi		kpa X 100		psi		kpa X 100		psi		kpa X 100		psi		kpa X 100	
									870		60		1090		-		870		60		1090		-	
									1140		80		1430		-		1140		80		1430		-	
									1310		91		1640		-		1310		91		1640		-	
									1480		102		1850		-		1480		102		1850		-	
									1640		114		2050		-		1640		114		2050		-	
									1810		125		2260		-		1810		125		2260		-	
									1970		137		2470		-		1970		137		2470		-	
									2120		149		2680		-		2120		149		2680		-	
									2270		161		2890		-		2270		161		2890		-	
									2420		173		3100		-		2420		173		3100		-	
									4½	4.500	114.3	Grade	in.	mm	lb/ft	kg/ft	kg/m	A		B		A		B
STD		ALT		STD		ALT		STD										ALT						
psi		kpa X 100		psi		kpa X 100		psi										kpa X 100		psi		kpa X 100		
770		53		970		-		770										53		970		-		
1170		81		1460		-		1170										81		1460		-		
1320		91		1650		-		1320										91		1650		-		
1460		101		1820		-		1460										101		1820		-		
1610		111		2010		-		1610										111		2010		-		
1750		121		2190		-		1750										121		2190		-		
1890		132		2370		-		1890										132		2370		-		
2030		143		2550		-		2030										143		2550		-		
2170		154		2730		-		2170										154		2730		-		
2310		165		2910		-		2310										165		2910		-		
2450		176		3090		-		2450										176		3090		-		
5½	5.563	141.3	Grade	in.	mm	lb/ft	kg/ft	kg/m	A		B		A		B									
									STD		ALT		STD		ALT		STD		ALT					
									psi		kpa X 100		psi		kpa X 100		psi		kpa X 100		psi		kpa X 100	
									630		43		850		-		630		43		850		-	
									940		65		1380		-		940		65		1380		-	
									1180		82		1740		-		1180		82		1740		-	
									1420		98		2100		-		1420		98		2100		-	
									1650		115		2460		-		1650		115		2460		-	
									1880		132		2820		-		1880		132		2820		-	
									2110		149		3180		-		2110		149		3180		-	
									2340		166		3540		-		2340		166		3540		-	
									2570		183		3900		-		2570		183		3900		-	
									2800		200		4260		-		2800		200		4260		-	
									3030		217		4620		-		3030		217		4620		-	
6%	6.625	168.3	Grade	in.	mm	lb/ft	kg/ft	kg/m	A		B		A		B									
									STD		ALT		STD		ALT		STD		ALT					
									psi		kpa X 100		psi		kpa X 100		psi		kpa X 100		psi		kpa X 100	
									530		37		790		-		530		37		790		-	
									690		51		1050		-		690		51		1050		-	
									850		65		1310		-		850		65		1310		-	
									1010		80		1570		-		1010		80		1570		-	
									1170		94		1830		-		1170		94		1830		-	
									1330		108		2090		-		1330		108		2090		-	
									1490		122		2350		-		1490		122		2350		-	
									1650		136		2610		-		1650		136		2610		-	
									1810		150		2870		-		1810		150		2870		-	
									1970		164		3130		-		1970		164		3130		-	
									2130		178		3390		-		2130		178		3390		-	

Test pressure															
X42		X46		X52		X56		X60		X65		X70		X80	
STD	ALT	STD	ALT	STD	ALT	STD	ALT	STD	ALT	STD	ALT	STD	ALT	STD	ALT
psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
1050	1430	1150	1430	1290	1620	1390	1740	1490	1870	1620	2020	1740	2180	1990	2490
1370	1720	1500	1880	1700	2130	1830	2290	1960	2450	2130	2660	2290	2860	2620	3000
1580	1970	1730	2160	1950	2440	2100	2630	2250	2810	2440	3000	2630	3000	3000	3000
1780	2220	1950	2430	2200	2750	2370	2960	2540	3000	2750	3000	2960	3000	3000	3000
1970	2460	2150	2690	2430	3000	2620	3000	2810	3000	3000	3000	3000	3000	3000	3000
2170	2710	2370	2970	2680	3000	2890	3000	3000	3000	3000	3000	3000	3000	3000	3000
2370	2960	2590	3000	2930	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
2850	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
930	1160	1020	1270	1150	1440	1240	1550	1330	1660	1440	1800	1550	1940	1770	2210
1400	1750	1530	1920	1730	2170	1870	2330	2000	2500	2170	2710	2330	2920	2670	3000
1580	1970	1730	2160	1960	2440	2110	2630	2260	2820	2440	3000	2630	3000	3000	3000
1750	2180	1910	2390	2160	2700	2330	2910	2500	3000	2700	3000	2910	3000	3000	3000
1930	2410	2110	2640	2390	2980	2570	3000	2750	3000	2980	3000	3000	3000	3000	3000
2110	2630	2310	2880	2610	3000	2810	3000	3000	3000	3000	3000	3000	3000	3000	3000
2270	2840	2490	3000	2810	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
2450	3000	2690	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
2650	3000	2910	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
2800	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
750	-	820	-	930	-	1000	-	1040	-	1160	-	1250	-	1430	-
1130	-	1240	-	1400	-	1500	-	1630	-	1750	-	1890	-	2160	-
1410	-	1550	-	1750	-	1910	-	2020	-	2120	-	2360	-	2690	-
1700	-	1870	-	2110	-	2270	-	2430	-	2640	-	2840	-	3000	-
1990	-	2170	-	2460	-	2650	-	2830	-	3000	-	3000	-	3000	-
2340	-	2560	-	2890	-	3000	-	3000	-	3000	-	3000	-	3000	-
2550	-	2790	-	3000	-	3000	-	3000	-	3000	-	3000	-	3000	-
3000	-	3000	-	3000	-	3000	-	3000	-	3000	-	3000	-	3000	-
3000	-	3000	-	3000	-	3000	-	3000	-	3000	-	3000	-	3000	-
3000	-	3000	-	3000	-	3000	-	3000	-	3000	-	3000	-	3000	-
3000	-	3000	-	3000	-	3000	-	3000	-	3000	-	3000	-	3000	-
790	-	860	-	980	-	1050	-	1130	-	1220	-	1320	-	1500	-
1040	-	1140	-	1280	-	1380	-	1480	-	1600	-	1730	-	1970	-
1190	-	1300	-	1470	-	1580	-	1700	-	1840	-	1980	-	2260	-
1340	-	1470	-	1660	-	1790	-	1920	-	2080	-	2230	-	2550	-
1480	-	1620	-	1840	-	1980	-	2120	-	2300	-	2470	-	2830	-
1640	-	1790	-	2030	-	2180	-	2340	-	2530	-	2730	-	3000	-
1790	-	1960	-	2210	-	2380	-	2550	-	2770	-	2980	-	3000	-

















# LINE PIPE

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## API 5L

Nominal size	Outside diameter		Wall thickness		Weight		Test pressure													
							A				B									
							STD		ALT		STD		ALT							
in.	mm	Grade	in.	mm	lb/ft	kg/ft	kg/m	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100					
38	38.000	965.0	STD	0.312	7.9	125.58	56.83	186.46	300	21	370	25	340	23	430	30				
				0.344	8.7	138.35	62.54	205.17	330	23	410	28	380	26	480	33				
				0.375	9.5	150.69	68.23	223.84	360	25	440	30	410	28	520	36				
				0.406	10.3	163.01	73.91	242.49	380	26	480	33	450	31	560	39				
				0.438	11.1	175.71	79.59	261.11	410	28	520	36	480	33	610	42				
				0.469	11.9	187.99	85.25	279.69	440	30	560	39	520	36	650	45				
				XS	0.500	12.7	200.25	90.90	298.24	470	32	590	41	550	38	690	48			
					0.562	14.3	224.71	102.18	335.25	530	37	670	46	620	43	780	54			
					0.625	15.9	249.48	113.43	372.14	590	41	740	51	690	48	860	59			
							0.688	17.5	274.16	124.63	408.89	650	45	810	56	760	52	950	65	
							0.750	19.1	298.37	135.79	445.52	710	49	890	61	830	57	1040	72	
							0.812	20.6	322.50	146.23	479.75	770	53	960	66	900	62	1120	77	
							0.875	22.2	346.93	157.32	516.14	830	57	1040	72	970	67	1210	83	
							0.938	23.8	371.28	168.37	552.40	890	61	1110	76	1040	72	1300	90	
							1.000	25.4	395.16	179.38	588.53	950	65	1180	81	1110	76	1380	95	
							1.062	27.0	418.96	190.36	624.54	1010	70	1260	87	1170	81	1470	101	
							1.125	28.6	443.05	201.30	660.42	1070	74	1330	92	1240	85	1550	107	
							1.188	30.2	467.06	212.20	696.18	1130	78	1410	97	1310	90	1640	113	
1.250	31.8	490.61					223.05	731.80	1180	81	1480	102	1380	95	1730	119				
40	40.000	1016.0	STD	0.312	7.9	132.25	59.86	196.39	280	19	350	24	330	23	410	28				
				0.344	8.7	145.69	65.87	216.11	310	21	390	27	360	25	450	31				
				0.375	9.5	158.70	71.87	235.79	340	23	420	29	390	27	490	34				
				0.406	10.3	171.68	77.86	255.45	370	25	460	32	430	30	530	37				
				0.438	11.1	185.06	83.84	275.07	390	27	490	34	460	32	570	39				
				0.469	11.9	198.01	89.81	294.66	420	29	530	37	490	34	620	43				
				XS	0.500	12.7	210.93	95.77	314.22	450	31	560	39	520	36	660	45			
					0.562	14.3	236.71	107.67	353.24	510	35	630	43	590	41	740	51			
					0.625	15.9	262.83	119.52	392.13	560	39	700	48	660	45	820	56			
							0.688	17.5	288.86	131.34	430.90	620	43	770	53	720	50	900	62	
							0.750	19.1	314.39	143.12	469.55	680	47	840	58	790	54	980	68	
							0.812	20.6	339.84	154.13	505.66	730	50	910	63	850	59	1070	74	
							0.875	22.2	365.62	165.83	544.06	790	54	980	68	920	63	1150	79	
							0.938	23.8	391.32	177.49	582.33	840	58	1060	73	980	68	1230	85	
							1.000	25.4	416.52	189.12	620.48	900	62	1120	77	1050	72	1310	90	
							1.062	27.0	441.64	200.71	658.50	960	66	1190	82	1120	77	1390	96	
							1.125	28.6	467.08	212.26	696.39	1010	70	1270	88	1180	81	1480	102	
							1.188	30.2	492.44	223.77	734.16	1070	74	1340	92	1250	86	1560	107	
1.250	31.8	517.31					235.24	771.80	1130	78	1410	97	1310	90	1640	113				
				0.344	8.7	153.04	69.20	227.05	290	20	370	25	340	23	430	30				
				STD	0.375	9.5	166.71	75.51	247.74	320	22	400	28	380	26	470	32			
					0.406	10.3	180.35	81.81	268.40	350	24	430	30	410	28	510	35			
					0.438	11.1	194.42	88.10	289.03	380	26	470	32	440	30	550	38			
				0.469	11.9	208.03	94.37	309.62	400	28	500	34	470	32	590	41				
				XS	0.500	12.7	221.61	100.64	330.19	430	30	540	37	500	34	620	43			
					0.562	14.3	248.72	113.15	371.22	480	33	600	41	560	39	700	48			
					0.625	15.9	276.18	125.62	412.13	540	37	670	46	620	43	780	54			
								0.688	17.5	303.55	138.05	452.91	590	41	740	51	690	48	860	59
								0.750	19.1	330.41	150.44	493.57	640	44	800	55	750	52	940	65
0.812	20.6	357.19	162.02					531.57	700	48	870	60	810	56	1020	70				

Test pressure							
X42	X46	X52	X56	X60	X65	X70	X80
psi	psi	psi	psi	psi	psi	psi	psi
620	680	770	830	890	960	1030	1180
680	750	850	910	980	1060	1140	1300
750	820	920	990	1070	1150	1240	1420
810	880	1000	1080	1150	1250	1350	1540
870	950	1080	1160	1240	1350	1450	1660
930	1020	1160	1240	1330	1440	1560	1780
990	1090	1230	1330	1420	1540	1660	1890
1120	1220	1380	1490	1600	1730	1860	2130
1240	1360	1540	1560	1780	1920	2070	2370
1370	1500	1690	1830	1960	2120	2280	2610
1490	1630	1850	1990	2130	2310	2490	2840
1620	1770	2000	2150	2310	2500	2690	3000
1740	1910	2160	2320	2490	2690	2900	3000
1870	2040	2310	2490	2670	2890	3000	3000
1990	2180	2460	2650	2840	3000	3000	3000
2110	2310	2620	2820	3000	3000	3000	3000
2240	2450	2770	2980	3000	3000	3000	3000
2360	2590	2930	3000	3000	3000	3000	3000
2490	2720	3000	3000	3000	3000	3000	3000
590	650	730	790	840	910	980	1120
650	710	800	870	930	1010	1080	1240
710	780	880	940	1010	1100	1180	1350
770	840	950	1020	1100	1190	1280	1460
830	910	1020	1100	1180	1280	1380	1580
890	970	1100	1180	1270	1370	1480	1690
940	1040	1170	1260	1350	1460	1580	1800
1060	1160	1320	1420	1520	1640	1770	2020
1180	1290	1460	1580	1690	1830	1970	2250
1300	1420	1610	1730	1860	2010	2170	2480
1420	1550	1760	1890	2020	2190	2360	2700
1530	1680	1900	2050	2190	2380	2560	2920
1650	1810	2050	2200	2360	2560	2760	3000
1770	1940	2190	2360	2530	2740	2950	3000
1890	2070	2340	2520	2700	2920	3000	3000
2010	2200	2490	2680	2870	3000	3000	3000
2130	2330	2630	2830	3000	3000	3000	3000
2250	2460	2780	2990	3000	3000	3000	3000
2360	2590	2930	3000	3000	3000	3000	3000
620	680	770	830	880	960	1030	1180
680	740	840	900	960	1040	1130	1290
730	800	900	970	1040	1130	1220	1390
790	860	980	1050	1130	1220	1310	1500
840	920	1050	1130	1210	1310	1410	1610
900	990	1110	1200	1290	1390	1500	1710
1010	1110	1250	1350	1450	1570	1690	1930
1120	1230	1390	1500	1610	1740	1880	2140
1240	1360	1530	1650	1770	1920	2060	2360
1350	1480	1670	1800	1930	2090	2250	2570
1460	1600	1810	1950	2090	2260	2440	2780

# LINE PIPE

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## API 5L

Nominal size	Outside diameter		Wall thickness		Weight		Test pressure									
							A				B					
							STD		ALT		STD		ALT			
in.	mm	Grade	in.	mm	lb/ft	kg/ft	kg/m	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100	
42	42.000	1067.0		0.875	22.2	384.31	174.34	571.98	750	52	940	65	880	61	1090	75
				0.938	23.8	411.35	186.62	612.26	800	55	1000	69	940	65	1170	81
				1.000	25.4	437.88	198.86	652.42	860	59	1070	74	1000	69	1250	86
				1.062	27.0	464.33	211.06	692.45	910	63	1140	79	1060	73	1330	92
				1.125	28.6	491.11	223.22	732.36	960	66	1210	83	1130	78	1410	97
				1.188	30.2	517.82	235.35	772.14	1020	70	1270	88	1190	82	1480	102
				1.250	31.8	544.01	247.43	811.79	1070	74	1340	92	1250	86	1560	107
44	44.000	1118.0		0.344	8.7	160.39	72.54	237.99	280	19	350	24	330	23	410	28
			STD	0.375	9.5	174.72	79.15	259.69	310	21	380	26	360	25	450	31
				0.406	10.3	189.03	85.76	281.35	330	23	420	29	390	27	480	33
				0.438	11.1	203.78	92.35	302.99	360	25	450	31	420	29	520	36
				0.469	11.9	218.04	98.94	324.59	380	26	480	33	450	31	560	39
			XS	0.500	12.7	232.29	105.51	346.16	410	28	510	35	480	33	600	41
				0.562	14.3	260.72	118.63	389.21	460	32	570	39	540	37	670	46
				0.625	15.9	289.53	131.71	432.13	510	35	640	44	600	41	750	52
				0.688	17.5	318.25	144.76	474.92	560	39	700	48	660	45	820	56
				0.750	19.1	346.43	157.76	517.59	610	42	770	53	720	50	890	61
				0.812	20.6	374.53	169.92	557.47	660	45	830	57	780	54	970	67
				0.875	22.2	403.00	182.85	599.90	720	50	890	61	840	58	1040	72
				0.938	23.8	431.39	195.74	642.19	770	53	960	66	900	62	1120	77
				1.000	25.4	459.24	208.60	684.37	820	56	1020	70	950	65	1190	82
				1.062	27.0	487.01	221.41	726.41	870	60	1090	75	1010	70	1270	88
				1.125	28.6	515.14	234.19	768.33	920	63	1150	79	1070	74	1340	92
				1.188	30.2	543.19	246.92	810.12	970	67	1210	83	1130	78	1420	98
	1.250	31.8	570.71	259.63	851.79	1020	70	1280	88	1190	82	1490	103			
46	46.000	1168.0		0.344	8.7	167.74	75.81	248.72	270	19	240	23	310	21	390	27
			STD	0.375	9.5	182.73	82.72	271.40	290	20	370	25	340	23	430	30
				0.406	10.3	197.70	89.63	294.05	320	22	400	28	370	25	460	32
				0.438	11.1	213.13	96.52	316.67	340	23	430	30	400	28	500	34
				0.469	11.9	228.06	103.41	339.26	370	25	460	32	430	30	540	37
			XS	0.500	12.7	242.97	110.28	361.82	390	27	490	34	460	32	570	39
				0.562	14.3	272.73	124.00	406.84	440	30	550	38	510	35	640	44
				0.625	15.9	302.88	137.69	451.73	490	34	610	42	570	39	710	49
				0.688	17.5	332.95	151.33	496.50	540	37	670	46	630	43	790	54
				0.750	19.1	362.45	164.94	541.14	590	41	730	50	680	47	860	59
				0.812	20.6	391.88	177.66	582.87	640	44	790	54	740	51	930	64
				0.875	22.2	421.69	191.19	627.27	680	47	860	59	800	55	1000	69
				0.938	23.8	451.42	204.69	671.54	730	50	920	63	860	59	1070	74
				1.000	25.4	480.60	218.14	715.68	780	54	980	68	910	63	1140	79
				1.062	27.0	509.69	231.56	759.70	830	57	1040	72	970	67	1210	83
				1.125	28.6	539.17	244.93	803.59	880	61	1100	76	1030	71	1280	88
				1.188	30.2	568.57	258.28	847.36	930	64	1160	80	1080	74	1360	94
	1.250	31.8	597.41	271.57	890.99	980	68	1220	84	1140	79	1430	99			
48	48.000	1219.0		0.344	8.7	175.08	79.14	259.66	260	18	320	22	300	21	380	26
			STD	0.375	9.5	190.74	86.37	283.35	280	19	350	24	330	23	410	28
				0.406	10.3	206.37	93.58	307.01	300	21	380	26	360	25	440	30
				0.438	11.1	222.49	100.78	330.63	330	23	410	28	380	26	480	33
				0.469	11.9	238.08	107.97	354.23	350	24	440	30	410	28	510	35
			XS	0.500	12.7	253.65	115.15	377.79	380	26	470	32	440	30	550	38

Test pressure							
X42	X46	X52	X56	X60	X65	X70	X80
psi	psi	psi	psi	psi	psi	psi	psi
1580	1720	1950	2100	2250	2440	2630	3000
1690	1850	2090	2250	2410	2610	2810	3000
1800	1970	2330	2400	2570	2790	3000	3000
1910	2090	2370	2550	2730	2960	3000	3000
2030	2220	2510	2700	2890	3000	3000	3000
2140	2340	2650	2850	3000	3000	3000	3000
2250	2460	2790	3000	3000	3000	3000	3000
590	650	730	790	840	910	990	1130
640	710	800	860	920	1000	1070	1230
700	760	860	930	1000	1080	1160	1330
750	820	930	1000	1080	1160	1250	1430
810	880	1000	1070	1150	1250	1340	1530
860	940	1060	1150	1230	1330	1430	1640
970	1060	1200	1290	1380	1490	1610	1840
1070	1180	1330	1430	1530	1660	1790	2050
1180	1290	1460	1580	1690	1830	1970	2250
1290	1410	1600	1720	1840	1990	2150	2450
1400	1530	1730	1860	1990	2160	2330	2600
1500	1650	1860	2000	2150	2330	2510	2860
1610	1770	2000	2150	2300	2490	2690	3000
1720	1880	2130	2290	2450	2660	2860	3000
1820	2000	2260	2430	2610	2820	3000	3000
1930	2120	2390	2580	2760	2990	3000	3000
2040	2240	2530	2720	2920	3000	3000	3000
2150	2350	2660	2860	3000	3000	3000	3000
570	620	700	750	810	870	940	1080
620	680	760	820	880	950	1030	1170
670	730	830	890	950	1030	1110	1270
720	790	890	960	1030	1110	1200	1370
770	840	950	1030	1100	1190	1280	1470
820	900	1020	1100	1170	1270	1370	1570
920	1010	1140	1230	1320	1430	1540	1760
1030	1120	1270	1370	1470	1590	1710	1960
1130	1240	1400	1510	1620	1750	1880	2150
1230	1350	1530	1640	1760	1910	2050	2350
1330	1460	1650	1780	1910	2070	2220	2540
1440	1580	1780	1920	2050	2230	2400	2740
1540	1690	1910	2060	2200	2390	2570	2940
1640	1800	2030	2190	2350	2540	2740	3000
1750	1910	2160	2330	2490	2700	2910	3000
1850	2020	2290	2470	2640	2860	3000	3000
1950	2140	2420	2600	2790	3000	3000	3000
2050	2250	2540	2740	2930	3000	3000	3000
540	590	670	720	770	840	900	1030
590	650	730	790	840	910	980	1130
640	700	790	850	910	990	1070	1220
690	760	850	920	990	1070	1150	1310
740	810	910	980	1060	1140	1230	1410
790	860	980	1050	1120	1220	1310	1500

# LINE PIPE

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API 5L

Nominal size	Outside diameter		Wall thickness		Weight		Test pressure									
							A				B					
							STD		ALT		STD		ALT			
in.	mm	Grade	in.	mm	lb/ft	kg/ft	kg/m	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100	
48	48.000	1219.0		0.562	14.3	284.73	129.49	424.82	420	29	530	37	490	34	610	42
				0.625	15.9	316.23	143.78	471.73	470	32	590	41	550	38	680	47
				0.688	17.5	347.64	158.04	518.51	520	36	640	44	600	41	750	52
				0.750	19.1	378.47	172.26	565.16	560	39	700	48	660	45	820	56
				0.812	20.6	409.22	185.56	608.78	610	42	760	52	710	49	890	61
				0.875	22.2	440.38	199.70	655.19	660	45	820	56	770	53	960	66
				0.938	23.8	471.46	213.81	701.47	700	48	880	61	820	56	1030	71
				1.000	25.4	501.96	227.88	747.63	750	52	940	65	880	61	1090	75
				1.062	27.0	532.38	241.91	793.66	800	55	1000	69	930	64	1160	80
				1.125	28.6	563.20	255.90	839.56	840	58	1050	72	980	68	1230	85
				1.188	30.2	593.94	269.85	885.34	890	61	1110	76	1040	72	1300	90
				1.250	31.8	624.11	283.77	930.99	940	65	1170	81	1090	75	1370	94
			52	52.000	1321.0	STD	0.375	9.5	206.76	93.65	307.25	260	18	320	22	300
	0.406	10.3				223.72	101.47	332.92	280	19	350	24	330	23	410	28
	0.438	11.1				241.20	109.29	358.55	300	21	380	26	350	24	440	30
	0.469	11.9				258.11	117.09	384.16	320	22	410	28	380	26	470	32
XS	0.500	12.7				275.01	124.89	409.74	350	24	430	30	400	28	500	34
	0.562	14.3				308.74	140.45	460.79	390	27	490	34	450	31	570	39
	0.625	15.9				342.93	155.97	511.53	430	30	540	37	500	34	630	43
	0.688	17.5				377.03	171.46	562.53	480	33	600	41	560	39	690	48
	0.750	19.1				410.51	186.90	613.20	520	36	650	45	610	42	760	52
	0.812	20.6				443.91	201.35	660.60	560	39	700	48	660	45	820	56
	0.875	22.2				477.76	216.72	711.03	610	42	760	52	710	49	880	61
	0.938	23.8				511.53	232.06	761.34	650	45	810	56	760	52	950	65
	1.000	25.4				544.68	247.35	811.52	690	48	870	60	810	56	1010	70
	1.062	27.0	577.75	262.61	861.57	740	51	920	63	860	59	1070	74			
	1.125	28.6	611.26	277.83	911.50	780	54	970	67	910	63	1140	79			
	1.188	30.2	644.69	293.00	961.30	820	56	1030	71	960	66	1200	83			
	1.250	31.8	677.51	308.15	1010.98	870	60	1080	74	1010	70	1260	87			
56	56.000	1422.0		0.375	9.5	222.78	100.86	330.91	240	17	300	21	280	19	350	24
				0.406	10.3	241.06	109.29	358.57	260	18	330	23	300	21	380	26
				0.438	11.1	259.91	117.71	386.20	280	19	350	24	330	23	410	28
				0.469	11.9	278.15	126.13	413.80	300	21	380	26	350	24	440	30
				0.500	12.7	296.37	134.53	441.37	320	22	400	28	380	26	470	32
				0.562	14.3	332.75	151.31	496.41	360	25	450	31	420	29	530	37
				0.625	15.9	369.63	168.04	551.32	400	28	500	34	470	32	590	41
				0.688	17.5	406.42	184.74	606.11	440	30	550	38	520	36	650	45
				0.750	19.1	442.55	201.40	660.77	480	33	600	41	560	39	700	48
				0.812	20.6	478.60	216.99	711.91	520	36	650	45	610	42	760	52
				0.875	22.2	515.14	233.57	766.32	560	39	700	48	660	45	820	56
				0.938	23.8	551.60	250.12	820.61	600	41	750	52	700	48	880	61
				1.000	25.4	587.40	266.63	874.78	640	44	800	55	750	52	940	65
	1.062	27.0	623.12	283.10	928.82	680	47	850	59	800	55	1000	69			
	1.125	28.6	659.32	299.54	982.73	720	50	900	62	840	58	1050	72			
	1.188	30.2	695.45	315.93	1036.52	760	52	950	65	890	61	1110	76			
	1.250	31.8	730.91	332.29	1090.18	800	53	1000	69	940	65	1170	81			
60	60.000	1524.0		0.375	9.5	238.80	108.14	354.80	230	16	280	19	260	18	330	23
				0.406	10.3	258.40	117.19	384.48	240	17	300	21	280	19	360	25
				0.438	11.1	278.62	126.22	414.12	260	18	330	23	310	21	380	26
				0.469	11.9	298.19	135.25	443.73	280	19	350	24	330	23	410	28

Test pressure							
X42	X46	X52	X56	X60	X65	X70	X80
psi	psi	psi	psi	psi	psi	psi	psi
890	970	1100	1180	1260	1370	1480	1690
980	1080	1220	1310	1410	1520	1640	1880
1080	1190	1340	1440	1550	1680	1810	2060
1180	1290	1460	1580	1690	1830	1970	2250
1280	1400	1580	1710	1830	1980	2130	2440
1380	1510	1710	1840	1970	2130	2300	2630
1480	1620	1830	1970	2110	2290	2460	2810
1580	1720	1950	2100	2250	2440	2630	3000
1670	1830	2070	2230	2390	2590	2790	3000
1770	1940	2190	2360	2530	2740	2950	3000
1870	2050	2320	2490	2670	2900	3000	3000
1970	2160	2440	2620	2810	3000	3000	3000
550	600	680	730	780	840	910	1040
590	650	730	790	840	910	980	1120
640	700	790	850	910	990	1060	1210
680	750	840	910	970	1060	1140	1300
730	800	900	970	1040	1130	1210	1380
820	890	1010	1090	1170	1260	1360	1560
910	1000	1130	1210	1300	1410	1510	1730
1000	1100	1240	1330	1430	1550	1670	1910
1090	1190	1350	1450	1560	1690	1820	2080
1180	1290	1460	1570	1690	1830	1970	2250
1270	1390	1580	1700	1820	1970	2120	2420
1360	1490	1690	1820	1950	2110	2270	2600
1450	1590	1800	1940	2080	2250	2420	2770
1540	1690	1910	2060	2210	2390	2570	2940
1640	1790	2030	2180	2340	2530	2730	3000
1730	1890	2140	2300	2470	2670	2880	3000
1820	1990	2250	2420	2600	2810	3000	3000
510	550	630	670	720	780	840	960
550	600	680	730	780	850	910	1040
590	650	730	790	840	920	990	1130
630	690	780	840	900	980	1060	1210
680	740	840	900	960	1040	1130	1290
760	830	940	1010	1080	1170	1260	1450
840	920	1040	1120	1210	1310	1410	1610
930	1020	1150	1240	1330	1440	1550	1770
1010	1110	1250	1350	1450	1570	1690	1930
1100	1200	1360	1460	1570	1700	1830	2090
1180	1290	1460	1570	1690	1830	1970	2250
1270	1390	1570	1690	1810	1960	2110	2410
1350	1480	1670	1800	1930	2090	2250	2570
1430	1570	1780	1910	2050	2220	2390	2730
1520	1660	1880	2020	2170	2350	2530	2890
1600	1760	1990	2140	2290	2480	2670	3000
1690	1850	2090	2250	2410	2610	2810	3000
470	520	590	630	680	730	790	900
510	560	630	680	730	790	850	970
550	600	680	740	790	850	920	1050
590	650	730	790	840	910	980	1130

# LINE PIPE

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● API 5L

Nominal size	Outside diameter		Wall thickness		Weight		Test pressure									
							A				B					
							STD		ALT		STD		ALT			
in.	mm	Grade	in.	mm	lb/ft	kg/ft	kg/m	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100	
60	60.000	1524.0		0.500	12.7	317.73	144.26	473.31	300	21	380	26	350	24	440	30
				0.562	14.3	356.76	162.27	532.38	340	23	420	29	390	27	490	34
				0.625	15.9	396.33	180.23	591.32	380	26	470	32	440	30	550	38
				0.688	17.5	435.81	198.16	650.13	410	28	520	36	480	33	600	41
				0.750	19.1	474.59	216.05	708.82	450	31	560	39	530	37	660	45
				0.812	20.6	513.29	232.78	763.72	490	34	610	42	570	39	710	49
				0.875	22.2	552.52	250.59	822.16	530	37	660	45	610	42	770	53
				0.938	23.8	591.67	268.37	880.48	560	39	700	48	660	45	820	56
				1.000	25.4	630.12	286.11	938.67	600	41	750	52	700	48	880	61
				1.062	27.0	668.48	303.80	996.73	640	44	800	55	740	51	930	64
				1.125	28.6	707.38	321.46	1054.67	680	47	840	58	790	54	980	68
				1.188	30.2	746.20	339.08	1112.48	710	49	890	61	830	57	1040	72
				1.250	31.8	784.31	356.67	1170.17	750	52	940	65	880	61	1090	75
64	64.000	1626.0		0.375	9.5	254.82	115.43	378.70	210	14	260	18	250	17	310	21
				0.406	10.3	275.75	125.08	410.38	230	16	290	20	270	19	330	23
				0.438	11.1	297.33	134.73	442.04	250	17	310	21	290	20	360	25
				0.469	11.9	318.22	144.37	473.66	260	18	330	23	310	21	380	26
				0.500	12.7	339.09	154.00	505.26	280	19	350	24	330	23	410	28
				0.562	14.3	380.77	173.23	568.35	320	22	400	28	370	25	460	32
				0.625	15.9	423.03	192.42	631.31	350	24	440	30	410	28	510	35
				0.688	17.5	465.21	211.58	694.15	390	27	480	33	450	31	560	39
				0.750	19.1	506.63	230.69	756.86	420	29	530	37	490	34	620	43
				0.812	20.6	547.98	248.58	815.54	460	32	570	39	530	37	670	46
				0.875	22.2	589.90	267.61	878.00	490	34	620	43	570	39	720	50
				0.938	23.8	631.75	286.62	940.34	530	37	660	45	620	43	770	53
				1.000	25.4	672.84	305.58	1002.56	560	39	700	48	660	45	820	56
	1.062	27.0	713.85	324.51	1064.65	600	41	750	52	700	48	870	60			
	1.125	28.6	755.44	343.39	1126.61	630	43	790	54	740	51	920	63			
	1.188	30.2	796.95	362.24	1188.44	670	46	840	58	780	54	970	67			
	1.250	31.8	837.71	381.05	1250.15	700	48	880	61	820	56	1030	71			
68	68.000	1727.0		0.469	11.9	338.26	153.41	503.30	250	17	310	21	290	20	360	25
				0.500	12.7	360.45	163.64	536.89	260	18	330	23	310	21	390	27
				0.562	14.3	404.77	184.09	603.96	300	21	370	25	350	24	430	30
				0.625	15.9	449.73	204.49	670.91	330	23	410	28	390	27	480	33
				0.688	17.5	494.60	224.86	737.73	360	25	460	32	420	29	530	37
				0.750	19.1	538.67	245.19	804.43	400	28	500	34	460	32	580	40
				0.812	20.6	582.67	264.21	866.84	430	30	540	37	500	34	630	43
				0.875	22.2	627.28	284.47	933.30	460	32	580	40	540	37	680	47
				0.938	23.8	671.82	304.68	999.62	500	34	620	43	580	40	720	50
				1.000	25.4	715.56	324.86	1065.82	530	37	660	45	620	43	770	53
				1.062	27.0	759.22	345.00	1131.89	560	39	700	48	660	45	820	56
				1.125	28.6	803.50	365.10	1197.84	600	41	740	51	690	48	870	60
				1.188	30.2	847.70	385.16	1263.66	630	43	790	54	730	50	920	63
	1.250	31.8	891.11	405.19	1329.36	660	45	830	57	770	53	970	67			

Test pressure							
X42	X46	X52	X56	X60	X65	X70	X80
psi	psi	psi	psi	psi	psi	psi	psi
630	690	780	840	900	980	1050	1200
710	780	880	940	1010	1100	1180	1350
790	860	980	1050	1130	1220	1310	1500
870	950	1070	1160	1240	1340	1440	1650
950	1030	1170	1260	1350	1460	1580	1800
1020	1120	1270	1360	1460	1580	1710	1950
1100	1210	1370	1470	1580	1710	1840	2100
1180	1290	1460	1580	1690	1830	1970	2250
1260	1380	1560	1680	1800	1950	2100	2400
1340	1470	1660	1780	1910	2070	2230	2550
1420	1550	1760	1890	2030	2190	2360	2700
1500	1640	1850	2000	2140	2320	2490	2850
1580	1720	1950	2100	2250	2440	2630	3000
440	490	550	590	630	690	740	840
480	530	590	640	690	740	800	910
520	570	640	690	740	800	860	990
550	610	690	740	790	860	920	1060
590	650	730	790	840	910	980	1130
660	730	820	890	950	1030	1110	1260
740	810	910	980	1050	1140	1230	1410
810	890	1010	1080	1160	1260	1350	1550
890	970	1100	1180	1270	1370	1480	1690
960	1050	1190	1280	1370	1480	1600	1830
1030	1130	1280	1380	1480	1600	1720	1970
1110	1210	1370	1480	1580	1710	1850	2110
1180	1290	1460	1570	1690	1830	1970	2250
1250	1370	1550	1670	1790	1940	2090	2390
1330	1460	1650	1770	1900	2060	2210	2530
1400	1540	1740	1870	2000	2170	2340	2670
1480	1620	1830	1970	2110	2290	2460	2810
520	570	650	700	740	810	870	990
560	610	690	740	790	860	930	1060
620	680	770	830	890	970	1040	1190
690	760	860	930	990	1080	1160	1320
760	840	950	1020	1090	1180	1270	1460
830	910	1030	1110	1190	1290	1390	1590
900	990	1120	1200	1290	1400	1500	1720
970	1070	1200	1300	1390	1510	1620	1850
1040	1140	1290	1390	1490	1610	1740	1990
1110	1220	1380	1480	1590	1720	1850	2120
1180	1290	1460	1570	1690	1830	1970	2250
1250	1370	1550	1670	1790	1940	2080	2380
1320	1450	1640	1760	1890	2040	2200	2520
1390	1520	1720	1850	1990	2150	2320	2650

# LINE PIPE

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## API 5L

Nominal size	Outside diameter		Wall thickness		Weight		Test pressure										
							A				B						
							STD		ALT		STD		ALT				
in.	mm	Grade	in.	mm	lb/ft	kg/ft	kg/m	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100	psi	kpa X 100		
72	72.000	1829.0			0.500	12.7	381.81	173.38	568.83	250	17	310	21	290	20	360	25
					0.562	14.3	428.78	195.05	639.93	280	19	350	24	330	23	410	28
					0.625	15.9	476.43	216.69	710.91	310	21	390	27	360	25	460	32
					0.688	17.5	523.99	238.28	781.75	340	23	430	30	400	28	500	34
					0.750	19.1	570.71	259.83	852.47	380	26	470	32	440	30	550	38
					0.812	20.6	617.35	280.01	918.66	410	28	510	35	470	32	590	41
					0.875	22.2	664.66	301.49	989.14	440	30	550	38	510	35	640	44
					0.938	23.8	711.89	322.93	1059.49	470	32	590	41	550	38	680	47
					1.000	25.4	758.28	344.34	1129.71	500	34	630	43	580	40	730	50
					1.062	27.0	804.59	365.70	1199.81	530	37	660	45	620	43	770	53
					1.125	28.6	851.56	387.03	1269.78	560	39	700	48	660	45	820	56
					1.188	30.2	898.45	408.32	1339.62	590	41	740	51	690	48	870	60
1.250	31.8	944.51	429.57	1409.34	630	43	780	54	730	50	910	63					
76	76.000	1930.0			0.500	12.7	403.17	183.02	600.46	240	17	300	21	280	19	350	24
					0.562	14.3	452.79	205.91	675.55	270	19	330	23	310	21	390	27
					0.625	15.9	503.13	228.76	750.51	300	21	370	25	350	24	430	30
					0.688	17.5	553.38	251.56	825.34	330	23	410	28	380	26	480	33
					0.750	19.1	602.75	274.34	900.05	360	25	440	30	410	28	520	36
					0.812	20.6	652.04	295.65	969.97	380	26	480	33	450	31	560	39
					0.875	22.2	702.04	318.34	1044.43	410	28	520	36	480	33	600	41
					0.938	23.8	751.96	341.00	1118.76	440	30	560	39	520	36	650	45
					1.000	25.4	801.00	363.62	1192.97	470	32	590	41	550	38	690	48
					1.062	27.0	849.96	386.20	1267.06	500	34	630	43	590	41	730	50
					1.125	28.6	899.62	408.74	1341.01	530	37	670	46	620	43	780	54
					1.188	30.2	949.20	431.24	1414.84	560	39	700	48	660	45	820	56
1.250	31.8	997.91	453.71	1488.55	590	41	740	51	690	48	860	59					
80	80.000	2032.0			0.562	14.3	476.80	216.87	711.52	250	17	320	22	300	21	370	25
					0.625	15.9	529.83	240.94	790.50	280	19	350	24	330	23	410	28
					0.688	17.5	582.77	264.98	869.36	310	21	390	27	360	25	450	31
					0.750	19.1	634.79	288.98	948.09	340	23	420	29	390	27	490	34
					0.812	20.6	686.73	311.44	1021.78	370	25	460	32	430	30	530	37
					0.875	22.2	739.42	335.36	1100.27	390	27	490	34	460	32	570	39
					0.938	23.8	792.03	359.25	1178.63	420	29	530	37	490	34	620	43
					1.000	25.4	843.72	383.09	1256.86	450	31	560	39	530	37	660	45
					1.062	27.0	895.33	406.90	1334.97	480	33	600	41	560	39	700	48
					1.125	28.6	947.68	430.67	1412.95	510	35	630	43	590	41	740	51
					1.188	30.2	999.95	454.40	1490.80	530	37	670	46	620	43	780	54
					1.250	31.8	1051.31	478.09	1568.53	560	39	700	48	660	45	820	56

Test pressure							
X42	X46	X52	X56	X60	X65	X70	X80
psi	psi	psi	psi	psi	psi	psi	psi
530	570	650	700	750	810	880	1000
590	650	730	790	840	910	980	1120
660	720	810	870	940	1020	1090	1250
720	790	890	960	1030	1120	1200	1380
790	860	980	1050	1130	1220	1310	1500
850	930	1060	1140	1220	1320	1420	1620
920	1010	1140	1220	1310	1420	1530	1750
980	1080	1220	1310	1410	1520	1640	1880
1050	1150	1300	1400	1500	1630	1750	2000
1120	1220	1380	1490	1590	1730	1860	2120
1180	1290	1460	1570	1690	1830	1970	2250
1250	1370	1540	1660	1780	1930	2080	2380
1310	1440	1630	1750	1880	2030	2190	2500
500	540	620	660	710	770	830	950
560	610	690	750	800	870	930	1060
620	680	770	830	890	960	1040	1180
680	750	850	910	980	1060	1140	1300
750	820	920	990	1070	1150	1240	1420
810	880	1000	1080	1150	1250	1350	1540
870	950	1080	1160	1240	1350	1450	1660
930	1020	1160	1240	1330	1440	1560	1780
990	1090	1230	1330	1420	1540	1660	1890
1060	1160	1310	1410	1510	1630	1760	2010
1120	1230	1390	1490	1600	1730	1870	2130
1180	1290	1460	1580	1690	1830	1970	2250
1240	1360	1540	1660	1780	1920	2070	2370
530	580	660	710	760	820	890	1010
590	650	730	790	840	910	980	1130
650	710	800	870	930	1010	1080	1240
710	780	880	940	1010	1100	1180	1350
770	840	950	1020	1100	1190	1280	1460
830	910	1020	1100	1180	1280	1380	1580
890	970	1100	1180	1270	1370	1480	1690
950	1030	1170	1260	1350	1460	1580	1800
1000	1100	1240	1340	1430	1550	1670	1910
1060	1160	1320	1420	1520	1650	1770	2030
1120	1230	1390	1500	1600	1740	1870	2140
1180	1290	1460	1570	1690	1830	1970	2250