

LINE PIPES

SPECIFICATION FOR LINE PIPES – API 5L/ISO 3183

Application: gas, water and oil transportation
 Welded highest steel grade X70/Service Annex H
 Seamless highest steel grade X80/Service Annex H, J
 Pipe dimensions and weight

Nominal size	Outside diameter		Wall thickness		Weight per length unit		Wheight class	Schedule	Pipe type	
	in	mm	in	mm	lb/ft	kg/m			Seamless	Welded
1.315	1.315	33.4	0.133	3.38	1.68	2.52	STD	40	•	
1.660	1.660	42.2	0.140	3.56	2.27	3.43	STD	40	•	
1.900	1.900	48.3	0.145	3.68	2.72	4.07	STD	40	•	
2	2.375	60.3	0.141	3.58	3.37	5.03			•	
			0.156	3.96	3.66	5.42	STD	40	•	
			0.172	4.37	4.05	6.07			•	
			0.188	4.78	4.40	6.57			•	
			0.218	5.54	5.03	7.43	XS	80	•	
2 1/2	2.875	73.0	0.156	3.96	4.53	6.81			•	
			0.172	4.37	4.97	7.44			•	
			0.188	4.78	5.40	8.07		30	•	
			0.203	5.16	5.80	8.69	STD	40	•	
			0.216	5.49	6.14	9.16			•	
			0.250	6.35	7.02	10.51			•	
			0.276	7.01	7.67	11.39	XS	80	•	
3	3.500	88.9	0.156	3.96	5.58	8.37			•	
			0.172	4.37	6.12	9.17			•	
			0.188	4.78	6.66	9.95		30	•	
			0.216	5.49	7.58	11.31	STD	40	•	
			0.250	6.35	8.69	13.02			•	
			0.281	7.14	9.67	14.32			•	
			0.300	7.62	10.26	15.24	XS	80	•	
3 1/2	4.000	101.6	0.156	3.96	6.41	9.63			•	
			0.172	4.37	7.04	10.55			•	
			0.188	4.78	7.66	11.46		30	•	
			0.226	5.74	9.12	13.48	STD		•	
			0.250	6.35	10.02	15.02			•	
			0.281	7.14	11.17	16.55			•	
			0.318	8.08	12.52	18.68	XS	80	•	
4	4.500	114.3	0.156	3.96	7.24	10.88			•	
			0.172	4.37	7.96	11.92			•	
			0.188	4.78	8.67	12.96		30	•	
			0.203	5.16	9.32	13.99			•	
			0.219	5.56	10.02	15.01			•	
			0.237	6.02	10.80	16.02	STD	40	•	
			0.250	6.35	11.36	17.03			•	
			0.281	7.14	12.67	18.77			•	
			0.337	8.56	14.98	22.42	XS	80	•	
			0.438	11.13	19.00	28.32		120	•	
5	5.563	141.3	0.258	6.55	14.63	21.92	STD	40	•	
			0.281	7.14	15.87	23.50			•	
			0.312	7.92	17.51	25.99			•	
			0.344	8.74	19.19	28.45			•	
			0.375	9.53	20.80	30.88	XS	80	•	
			0.500	12.70	27.06	40.28		120	•	
6	6.625	168.3	0.280	7.11	18.99	28.22	STD	40	•	
			0.312	7.92	21.06	31.25			•	
			0.344	8.74	23.10	34.24			•	
			0.375	9.53	25.05	37.20			•	
			0.432	10.97	28.60	42.67	XS	80	•	
			0.500	12.70	32.74	48.73			•	
			0.562	14.27	36.43	54.31		120	•	
			0.625	15.88	40.09	59.76			•	
			0.719	18.26	45.39	67.69		160	•	
			0.750	19.05	47.10	70.27			•	
			0.864	21.95	53.21	79.22	XXS		•	
			0.875	22.23	53.78	80.08			•	

Pipe dimensions and weight

Nominal size	Outside diameter		Wall thickness		Weight per length unit		Weight class	Schedule	Pipe type		
	in	mm	in	mm	lb/ft	kg/m			Seamless	Welded	
8	8.625	219.1	0.188	4.78	16.98	25.26				*	
			0.203	5.16	18.28	27.43			20		*
			0.219	5.56	19.68	29.48			30		*
			0.250	6.35	22.38	33.57				*	*
			0.277	7.04	24.72	36.61	STD		40	*	*
			0.312	7.92	27.73	41.14				*	*
			0.322	8.18	28.58	42.65				*	*
			0.344	8.74	30.45	45.14			60	*	*
			0.375	9.53	33.07	49.10				*	*
			0.406	10.31	35.67	53.09	XS		80	*	*
			0.438	11.13	38.33	56.94				*	*
			0.500	12.70	43.43	64.64				*	*
			0.562	14.27	48.44	72.22			120	*	*
			0.625	15.88	53.45	79.67				*	*
			0.719	18.26	60.77	90.62			140	*	*
			0.750	19.05	63.14	94.20				*	*
			0.812	20.62	67.82	100.84	XXS		160	*	*
0.875	22.23	72.49	107.79				*	*			
0.906	23.01	74.69	111.27				*	*			
10	10.750	273.0	0.203	5.16	22.89	34.35				*	
			0.219	5.56	24.65	36.94			20		*
			0.250	6.35	28.06	42.09					*
			0.279	7.09	31.23	46.57			30	*	*
			0.307	7.80	34.27	51.03				*	*
			0.344	8.74	38.27	56.72	STD		40	*	*
			0.365	9.27	40.52	60.50				*	*
			0.438	11.13	48.28	71.72	XS		60	*	*
			0.500	12.70	54.79	81.55				*	*
			0.562	14.27	61.21	91.26				*	*
			0.625	15.88	67.65	100.85			100	*	*
			0.719	18.26	77.10	114.99				*	*
			0.812	20.62	86.26	128.27				*	*
			0.875	22.23	92.37	137.36				*	*
0.938	23.83	98.39	146.32				*	*			
12	12.750	323.8	0.219	5.56	29.34	43.96			20		*
			0.250	6.35	33.41	50.11					*
			0.281	7.14	37.46	55.47					*
			0.312	7.92	41.48	61.56			30	*	*
			0.330	8.38	43.81	65.35				*	*
			0.344	8.74	45.62	67.62	STD			*	*
			0.375	9.53	49.61	73.65			40	*	*
			0.406	10.31	53.57	79.65				*	*
			0.438	11.13	57.65	85.62	XS			*	*
			0.500	12.70	65.48	97.46			60	*	*
			0.562	14.27	73.22	109.18				*	*
			0.625	15.88	81.01	120.76			80	*	*
			0.688	17.48	88.71	132.23				*	*
			0.750	19.05	96.21	143.56				*	*
0.812	20.62	103.63	154.08				*	*			
0.938	23.83	118.44	176.13				*	*			
14	14.000	355.6	0.219	5.56	32.26	48.33			10		*
			0.250	6.35	36.75	55.11					*
			0.281	7.14	41.21	61.02			20		*
			0.312	7.92	45.65	67.74				*	*
			0.344	8.74	50.22	74.42	STD		30	*	*
			0.375	9.53	54.62	81.08				*	*
			0.406	10.31	59.00	87.71			10	*	*
16	16.000	406.4	0.250	6.35	42.09	63.13					*
			0.281	7.14	47.22	69.91			20		*
			0.312	7.92	52.32	77.63				*	*
			0.344	8.74	57.57	85.32	STD		30	*	*
			0.375	9.53	62.64	92.98				*	*
0.406	10.31	67.60	100.60			10	*	*			
20	20.000	508.0	0.250	6.35	52.78	79.16					*
			0.281	7.14	59.23	87.70					*
			0.312	7.92	65.66	97.43				*	*
			0.344	8.74	72.28	107.12	STD		20	*	*
			0.375	9.53	78.67	116.78				*	*
0.406	10.31	85.04	126.41				*	*			

