

U.S./METRIC PIPE DIMENSIONS AND WEIGHTS U.S./METRIC

NOMINAL PIPE SIZE	OD		SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT	
	INCH MM	MM	ASME			INCH	MM	LBS/ FOOT	KG/ METER
1/8 6	0.405 10.3	10 STD XS	40 40S 80	10S 40S 80S	0.049 0.068 0.095	1.24 1.73 2.41	0.1863 0.2447 0.3145	0.28 0.36 0.47	
1/4 8	0.540 13.7	10 STD XS	40 40S 80	10S 40S 80S	0.065 0.088 0.119	1.65 2.24 3.02	0.3297 0.4248 0.5351	0.49 0.63 0.80	
3/8 10	0.675 17.1	10 STD XS	40 40S 80	10S 40S 80S	0.065 0.091 0.126	1.65 2.31 3.20	0.4235 0.5676 0.7388	0.63 0.84 1.10	
1/2 15	0.840 21.3	5 10 STD XS 160 XX	5S 40 80	5S 10S 40S 80S	0.065 0.083 0.109 0.147 0.188 0.294	1.65 2.11 2.77 3.73 4.78 7.47	0.5383 0.6710 0.8510 1.088 1.309 1.714	0.80 1.00 1.27 1.62 1.95 2.55	
3/4 20	1.050 26.7	5 10 STD XS 160 XX	5S 40 80	5S 10S 40S 80S	0.065 0.083 0.113 0.154 0.219 0.308	1.65 2.11 2.87 3.91 5.56 7.82	0.6838 0.8572 1.131 1.474 1.944 2.441	1.02 1.28 1.68 2.19 2.89 3.63	
1 25	1.315 33.4	5 10 STD XS 160 XX	5S 40 80	5S 10S 40S 80S	0.065 0.109 0.133 0.179 0.250 0.358	1.65 2.77 3.38 4.55 6.35 9.09	0.8678 1.404 1.679 2.172 2.844 3.659	1.29 2.09 2.50 3.23 4.23 5.45	
1-1/4 32	1.660 42.2	5 10 STD XS 160 XX	5S 40 80	5S 10S 40S 80S	0.065 0.109 0.140 0.191 0.250 0.382	1.65 2.77 3.56 4.85 6.35 9.70	1.107 1.806 2.273 2.997 3.765 5.214	1.65 2.69 3.38 4.46 5.60 7.76	
1-1/2 40	1.900 48.3	5 10 STD XS 160 XX	5S 40 80	5S 10S 40S 80S	0.065 0.109 0.145 0.200 0.281 0.400	1.65 2.77 3.68 5.08 7.14 10.16	1.274 2.085 2.718 3.631 4.859 6.408	1.90 3.10 4.05 5.40 7.23 9.54	
2 50	2.375 60.3	5 10 STD XS 160 XX	5S 40 80	5S 10S 40S 80S	0.065 0.109 0.154 0.218 0.344 0.436	1.65 2.77 3.91 5.54 8.74 11.07	1.604 2.638 3.653 5.022 7.462 9.029	2.39 3.93 5.44 7.47 11.11 13.44	
2-1/2 65	2.875 73.0	5 10 STD XS 160 XX	5S 40 80	5S 10S 40S 80S	0.083 0.120 0.203 0.276 0.375 0.552	2.11 3.05 5.16 7.01 9.53 14.02	2.475 3.531 5.793 7.661 10.01 13.69	3.68 5.26 8.62 11.40 14.90 20.37	
3 80	3.500 88.9	5 10 STD XS 160 XX	5S 40 80	5S 10S 40S 80S	0.083 0.120 0.216 0.300 0.438 0.600	2.11 3.05 5.49 7.62 11.13 15.24	3.029 4.332 5.756 10.25 14.32 18.58	4.51 6.45 11.27 15.25 21.31 27.65	
3-1/2 90	4.000 101.6	5 10 STD XS XX	5S 40 80	5S 10S 40S 80S	0.083 0.120 0.226 0.318 0.636	2.11 3.05 5.74 8.08 16.15	3.472 4.973 9.109 12.50 22.85	5.17 7.40 13.56 18.60 34.01	
4 100	4.500 114.3	5 10 STD XS 120 160 XX	5S 40 80	5S 10S 40S 80S	0.083 0.120 0.156 0.188 0.237 0.337 0.438 0.531 0.674	2.11 3.05 3.96 4.78 6.02 8.56 11.13 13.49 17.12	3.915 5.613 7.237 8.658 10.79 14.98 19.00 22.51 27.54	5.83 8.35 10.77 12.88 16.06 22.29 28.28 33.50 40.99	

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	INCH MM	MM	ASME			INCH	MM	LBS/ FOOT	KG/ METER
4-1/2 115	5.000 127.0	STD XS XX	40 80	40S 80S	0.247 0.355 0.710	6.27 9.02 18.03	12.53 17.61 32.43	18.65 26.21 48.26	
5 125	5.563 141.3	5 10 STD XS 120 160 XX	5S 40	5S 10S 40S 80S	0.109 0.134 0.258 0.375 0.500 0.625 0.750	2.77 3.40 6.55 9.53 12.70 15.88 19.05	6.349 7.770 14.62 20.78 27.04 32.96 38.55	9.45 11.56 21.76 30.93 40.24 49.05 57.37	
6 150	6.625 168.3	5 10 STD XS 120 160 XX	5S 40	5S 10S 40S 80S	0.109 0.134 0.188 0.280 0.432 0.562 0.719 0.864	2.77 3.40 4.78 7.11 10.97 14.27 18.26 21.95	7.585 9.289 12.92 18.97 28.57 36.39 45.35 53.16	11.29 13.82 19.23 28.23 42.52 54.16 67.49 79.12	
7 175	7.625 193.7	STD XS XX	40 80	40S 80S	0.301 0.500 0.875	7.65 12.70 22.23	23.57 38.05 63.08	35.08 56.62 93.87	
8 200	8.625 219.1	10 20 30 STD XS 100 120 140 XX 160	40	5S 10S 40S 80S	0.109 0.148 0.250 0.277 0.322 0.406 0.500 0.594 0.719 0.812 0.875 0.906	2.77 3.76 6.35 7.04 8.18 10.31 12.70 15.09 18.26 20.62 22.23 23.01	9.914 13.40 22.36 24.70 28.55 35.64 43.39 50.95 60.71 67.76 72.42 74.69	14.75 19.94 33.28 36.76 42.49 53.04 64.58 75.83 90.35 100.84 107.78 111.16	
9 225	9.625 244.5	STD XS XX	40 80	40S 80S	0.342 0.500 0.875	8.69 12.70 22.23	33.90 48.72 81.77	50.45 72.50 121.69	
10 250	10.750 273.1	20 30 STD XS 80 100 120 140 160	40	5S 10S 40S 80S	0.134 0.165 0.188 0.250 0.307 0.365 0.500 0.594 0.719 0.844 1.000 1.125	3.40 4.19 4.78 6.35 7.80 9.27 12.70 15.09 18.26 21.44 25.40 28.58	15.19 18.70 21.21 28.04 34.24 40.48 54.74 64.43 77.03 89.29 104.13 115.64	22.61 27.83 31.56 41.73 50.96 60.24 81.47 95.89 114.64 132.89 154.97 172.10	
11 275	11.750 298.5	STD XS XX	40 80	40S 80S	0.375 0.500 0.875	9.53 12.70 22.23	45.55 60.07 101.63	67.79 89.39 151.24	
12 300	12.750 323.9	20 30 STD XS 40 60 80 100 120 140 160	40	5S 10S 40S 80S	0.156 0.180 0.250 0.330 0.375 0.406 0.500 0.562 0.688 0.844 1.000 1.125 1.312	3.96 4.57 6.35 8.38 9.53 10.31 12.70 14.27 17.48 21.44 25.40 28.58 33.32	20.98 24.20 33.38 43.77 49.56 53.52 65.42 73.15 88.63 107.32 125.49 139.67 160.27	31.22 36.02 49.68 65.14 73.76 79.65 97.36 108.87 131.90 159.72 186.76 207.86 238.52	
14 350	14.000 355.6	10 20 STD XS 40 60 80 100 120 140 160	40	10S 40S 80S	0.188 0.250 0.312 0.375 0.438 0.500 0.594 0.750 0.938 1.094 1.250 1.406	4.78 6.35 7.92 9.53 11.13 12.70 15.09 19.05 23.83 27.79 31.75 35.71	27.73 36.71 45.61 54.57 63.44 72.09 85.05 106.13 130.85 150.90 170.21 189.10	41.27 54.63 67.88 81.21 94.41 107.29 126.58 157.95 194.74 224.58 253.32 281.43	

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS		WALL THICKNESS		WEIGHT			
				INCH	MM	LBS/ FOOT	KG/ METER		
INCH MM	INCH MM	ASME							
16 400	16.000 406.4	10	10S	0.188	4.78	31.75	47.25		
				0.250	6.35	42.05	62.58		
		20	STD	0.312	7.92	52.27	77.79		
				0.375	9.53	62.58	93.13		
		30	40S	0.500	12.70	82.77	123.18		
				0.656	16.66	107.50	159.99		
		40	80S	0.844	21.44	136.61	203.31		
				1.031	26.20	164.82	245.29		
		60		1.219	30.96	192.43	286.38		
				1.438	36.53	223.64	332.83		
		80		1.594	40.49	245.25	364.99		
		18 450	18.000 457.2	10	10S	0.188	4.78	35.76	53.22
						0.250	6.35	47.39	70.53
20	STD			0.312	7.92	58.94	87.72		
				0.375	9.53	70.59	105.06		
30	40S			0.438	11.13	82.15	122.26		
				0.500	12.70	93.45	139.08		
40	80S			0.562	14.27	104.67	155.78		
				0.750	19.05	138.17	205.63		
60				0.938	23.83	170.92	254.37		
				1.156	29.36	207.96	309.50		
80				1.375	34.93	244.14	363.34		
				1.562	39.67	274.22	408.11		
100				1.781	45.24	308.50	459.13		
20 500	20.000 508.0	10	10S	0.218	5.54	46.06	68.55		
				0.250	6.35	52.73	78.48		
		20	STD	0.375	9.53	78.60	116.98		
				0.500	12.70	104.13	154.97		
		30	40S	0.594	15.09	123.11	183.22		
				0.812	20.62	166.40	247.65		
		40	80S	1.031	26.19	208.87	310.85		
				1.281	32.54	256.10	381.14		
		60		1.500	38.10	296.37	441.07		
				1.750	44.45	341.09	507.63		
		80		1.969	50.01	379.17	564.30		
		22 550	22.000 558.8	10	10S	0.218	5.54	50.71	75.47
						0.250	6.35	58.07	86.42
20	STD			0.375	9.53	86.61	128.89		
				0.500	12.70	114.81	170.86		
30	40S			0.875	22.23	197.41	293.78		
				1.125	28.58	250.81	373.25		
40	80S			1.375	34.93	302.88	450.74		
				1.625	41.28	353.61	526.23		
60				1.875	47.63	403.00	599.73		
				2.125	53.98	451.06	671.25		
80									
100									
120									
140									
160									

HEADER PIPE TO 4" (101.6MM)

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS		WALL THICKNESS		WEIGHT			
				INCH	MM	LBS/ FOOT	KG/ METER		
INCH MM	INCH MM	ASME							
24 600	24.000 609.6	10	10S	0.250	6.35	63.41	94.37		
				0.375	9.53	94.62	140.82		
		20	STD	0.500	12.70	125.49	186.76		
				0.562	14.27	140.68	209.37		
		30	40S	0.688	17.48	171.29	254.92		
				0.969	24.61	238.35	354.72		
		40	80S	1.219	30.96	296.58	441.39		
				1.531	38.89	367.39	546.77		
		60		1.812	46.02	429.39	639.04		
				2.062	52.37	483.10	718.97		
		80		2.344	59.54	542.13	806.83		
		26 650	26.000 660.4	10	STD	0.312	7.92	85.60	127.39
						0.375	9.53	102.63	152.73
40S	XS			0.500	12.70	136.17	202.64		
28 700	28.000 711.2	10	STD	0.312	7.92	92.26	137.30		
				0.375	9.53	110.64	164.65		
		40S	XS	0.500	12.70	146.85	218.54		
				0.625	15.88	182.73	271.93		
30 750	30.000 762.0	10	STD	0.312	7.92	98.93	147.23		
				0.375	9.53	118.65	176.58		
		40S	XS	0.500	12.70	157.53	234.44		
				0.625	15.88	196.08	291.82		
32 800	32.000 812.8	10	STD	0.312	7.92	105.59	157.14		
				0.375	9.53	126.66	188.49		
		40S	XS	0.500	12.70	168.21	250.33		
				0.625	15.88	209.43	311.67		
34 850	34.000 863.6	10	STD	0.312	7.92	112.25	167.05		
				0.375	9.53	134.67	200.41		
		40S	XS	0.500	12.70	178.89	266.22		
				0.625	15.88	222.78	331.53		
36 900	36.000 914.4	10	STD	0.312	7.92	118.92	176.98		
				0.375	9.53	142.68	212.34		
		40S	XS	0.500	12.70	189.57	282.13		
42 1050	42.000 1066.8	40S	STD	0.375	9.53	166.71	248.09		
				0.500	12.70	221.61	329.79		
		80S	XS	0.625	15.88	276.18	411.00		
				0.750	19.05	330.41	491.71		
48 1200	48.000 1219.2	40S	STD	0.375	9.53	190.74	283.85		
				0.500	12.70	253.65	377.47		

PIPING & TUBING	
Type	Seamless & Welded
Commodity	Chrome • Stainless • Carbon • Low Temperature & Yolo
Specifications	A/SA335 • A/SA312 • A/SA213 • A/SA106 • A/SA53/API5L • A/SA333 • A-714
Sizes (O.D.)	1/8"(3.175mm) - 60"(1524mm) (Larger ODs Available)
Grades	Chrome: P1 • P5 • P9 • P11 • P22 • P91 Stainless: 304 • 304H • 304L • 316 • 316H • 316L • 316LN • 321 • 321H • 347 • 347H • 310 • 310s • 309 • Alloy 20 Low Temp: Grade 1/6 • Grade 3 Carbon: Grade B • Grade C • Galvanized Yolo: V & IV
Fittings & Flanges	All Fittings & Flanges to Match the Pipe

SPECIALTY ALLOY TUBING	
Type	Seamless & Welded
Commodity	Nickel • Duplex & Titanium
Specifications & Grades	Alloy 800 • Alloy 825 • Alloy 600 • Alloy 625 • Alloy 400 • 6% Moly Grades • Duplex A790 UNS 31803 • Cu/Ni 70/30 • Cu/Ni 90/10 • A-714 • 316LN
Sizes (O.D.)	1/8"(3.175mm) - 8"(203.2mm)
Wall Dimensions	0.035"(.889mm) - 0.875"(22.23mm)

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Note: Actual dimensions can vary from the figures and that the figures for weight are based on the following calculation for carbon steel pipe: LB/Foot=(Outside diameter - Wall Thickness) x (10.68).