

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

NOMINAL PIPE SIZE	OD		SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT	
	INCH MM	INCH MM	ASME			INCH	MM	LBS/FOOT	KG/METER
1/8 6	0.405 10.3	10	10S			0.049	1.24	0.1863	0.28
			STD 40	40S		0.068	1.73	0.2447	0.36
			XS 80	80S		0.095	2.41	0.3145	0.47
1/4 8	0.540 13.7	10	10S			0.065	1.65	0.3297	0.49
			STD 40	40S		0.088	2.24	0.4248	0.63
			XS 80	80S		0.119	3.02	0.5351	0.80
3/8 10	0.675 17.1	10	10S			0.065	1.65	0.4235	0.63
			STD 40	40S		0.091	2.31	0.5676	0.84
			XS 80	80S		0.126	3.20	0.7388	1.10
1/2 15	0.840 21.3	5	5S			0.065	1.65	0.5383	0.80
			10	10S		0.083	2.11	0.6710	1.00
			STD 40	40S		0.109	2.77	0.8510	1.27
			XS 80	80S		0.147	3.73	1.088	1.62
			160			0.188	4.78	1.309	1.95
			XX			0.294	7.47	1.714	2.55
3/4 20	1.050 26.7	5	5S			0.065	1.65	0.6838	1.02
			10	10S		0.083	2.11	0.8572	1.28
			STD 40	40S		0.113	2.87	1.131	1.68
			XS 80	80S		0.154	3.91	1.474	2.19
			160			0.219	5.56	1.944	2.89
			XX			0.308	7.82	2.441	3.63
1 25	1.315 33.4	5	5S			0.065	1.65	0.8678	1.29
			10	10S		0.109	2.77	1.404	2.09
			STD 40	40S		0.133	3.38	1.679	2.50
			XS 80	80S		0.179	4.55	2.172	3.23
			160			0.250	6.35	2.844	4.23
			XX			0.358	9.09	3.659	5.45
1-1/4 32	1.660 42.2	5	5S			0.065	1.65	1.107	1.65
			10	10S		0.109	2.77	1.806	2.69
			STD 40	40S		0.140	3.56	2.273	3.38
			XS 80	80S		0.191	4.85	2.997	4.46
			160			0.250	6.35	3.765	5.60
			XX			0.382	9.70	5.214	7.76
1-1/2 40	1.900 48.3	5	5S			0.065	1.65	1.274	1.90
			10	10S		0.109	2.77	2.085	3.10
			STD 40	40S		0.145	3.68	2.718	4.05
			XS 80	80S		0.200	5.08	3.631	5.40
			160			0.281	7.14	4.859	7.23
			XX			0.400	10.16	6.408	9.54
2 50	2.375 60.3	5	5S			0.065	1.65	1.604	2.39
			10	10S		0.109	2.77	2.638	3.93
			STD 40	40S		0.154	3.91	3.653	5.44
			XS 80	80S		0.218	5.54	5.022	7.47
			160			0.344	8.74	7.462	11.11
			XX			0.436	11.07	9.029	13.44
2-1/2 65	2.875 73.0	5	5S			0.083	2.11	2.475	3.68
			10	10S		0.120	3.05	3.531	5.26
			STD 40	40S		0.203	5.16	5.793	8.62
			XS 80	80S		0.276	7.01	7.661	11.40
			160			0.375	9.53	10.01	14.90
			XX			0.552	14.02	13.69	20.37
3 80	3.500 88.9	5	5S			0.083	2.11	3.029	4.51
			10	10S		0.120	3.05	4.332	6.45
			STD 40	40S		0.216	5.49	7.576	11.27
			XS 80	80S		0.300	7.62	10.25	15.25
			160			0.438	11.13	14.32	21.31
			XX			0.600	15.24	18.58	27.65
3-1/2 90	4.000 101.6	5	5S			0.083	2.11	3.472	5.17
			10	10S		0.120	3.05	4.973	7.40
			STD 40	40S		0.226	5.74	9.109	13.56
			XS 80	80S		0.318	8.08	12.50	18.60
			160			0.636	16.15	22.85	34.01
			XX						
4 100	4.500 114.3	5	5S			0.083	2.11	3.915	5.83
			10	10S		0.120	3.05	5.613	8.35
						0.156	3.96	7.237	10.77
						0.188	4.78	8.658	12.88
			STD 40	40S		0.237	6.02	10.79	16.06
			XS 80	80S		0.337	8.56	14.98	22.29
			120			0.438	11.13	19.00	28.28
			160			0.531	13.49	22.51	33.50
			XX			0.674	17.12	27.54	40.99

AVAILABLE IN COMMERCIAL AND NUCLEAR



NOMINAL PIPE SIZE	OD		SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT		
	INCH MM	INCH MM	ASME			INCH	MM	LBS/FOOT	KG/METER	
4-1/2 115	5.000 127.0	STD	40	40S		0.247	6.27	12.53	18.65	
			XS	80	80S		0.355	9.02	17.61	26.21
			XX				0.710	18.03	32.43	48.26
5 125	5.563 141.3	5	5S			0.109	2.77	6.349	9.45	
			10	10S		0.134	3.40	7.770	11.56	
			STD 40	40S		0.258	6.55	14.62	21.76	
			XS 80	80S		0.375	9.53	20.78	30.93	
			120			0.500	12.70	27.04	40.24	
			160			0.625	15.88	32.96	49.05	
XX			0.750	19.05	38.55	57.37				
6 150	6.625 168.3	5	5S			0.109	2.77	7.585	11.29	
			10	10S		0.134	3.40	9.289	13.82	
						0.188	4.78	12.92	19.23	
			STD 40	40S		0.280	7.11	18.97	28.23	
			XS 80	80S		0.432	10.97	28.57	42.52	
			120			0.562	14.27	36.39	54.16	
160			0.719	18.26	45.35	67.49				
XX			0.864	21.95	53.16	79.12				
7 175	7.625 193.7	STD	40	40S		0.301	7.65	23.57	35.08	
			XS	80	80S		0.500	12.70	38.05	56.62
			XX				0.875	22.23	63.08	93.87
8 200	8.625 219.1	10	5S			0.109	2.77	9.914	14.75	
			10S			0.148	3.76	13.40	19.94	
			20			0.250	6.35	22.36	33.28	
			30			0.277	7.04	24.70	36.76	
			STD 40	40S		0.322	8.18	28.55	42.49	
			60			0.406	10.31	35.64	53.04	
			XS 80	80S		0.500	12.70	43.39	64.58	
			100			0.594	15.09	50.95	75.83	
			120			0.719	18.26	60.71	90.35	
			140			0.812	20.62	67.76	100.84	
			160			0.875	22.23	72.42	107.78	
XX			0.906	23.01	74.69	111.16				
9 225	9.625 244.5	STD	40	40S		0.342	8.69	33.90	50.45	
			XS	80	80S		0.500	12.70	48.72	72.50
			XX				0.875	22.23	81.77	121.69
10 250	10.750 273.1	20	5S			0.134	3.40	15.19	22.61	
			10S			0.165	4.19	18.70	27.83	
						0.188	4.78	21.21	31.56	
						0.250	6.35	28.04	41.73	
			30			0.307	7.80	34.24	50.96	
			STD 40	40S		0.365	9.27	40.48	60.24	
			XS 60	80S		0.500	12.70	54.74	81.47	
			80			0.594	15.09	64.43	95.89	
			100			0.719	18.26	77.03	114.64	
			120			0.844	21.44	89.29	132.89	
			140			1.000	25.40	104.13	154.97	
160			1.125	28.58	115.64	172.10				
11 275	11.750 298.5	STD	40	40S		0.375	9.53	45.55	67.79	
			XS	80	80S		0.500	12.70	60.07	89.39
			XX				0.875	22.23	101.63	151.24
12 300	12.750 323.9	20	5S			0.156	3.96	20.98	31.22	
			10S			0.180	4.57	24.20	36.02	
						0.250	6.35	33.38	49.68	
			30			0.330	8.38	43.77	65.14	
			STD 40	40S		0.375	9.53	49.56	73.76	
			40			0.406	10.31	53.52	79.65	
			XS 80	80S		0.500	12.70	65.42	97.36	
			60			0.562	14.27	73.15	108.87	
			80			0.688	17.48	88.63	131.90	
			100			0.844	21.44	107.32	159.72	
			120			1.000	25.40	125.49	186.76	
140			1.125	28.58	139.67	207.86				
160			1.312	33.32	160.27	238.52				
14 350	14.000 355.6	10	5S			0.188	4.78	27.73	41.27	
			10S			0.250	6.35	36.71	54.63	
						0.312	7.92	45.61	67.88	
			STD 30	40S		0.375	9.53	54.57	81.21	
			40			0.438	11.13	63.44	94.41	
			XS 80	80S		0.500	12.70	72.09	107	

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

HEADER PIPE TO 4" (101.6MM)

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS	WALL THICKNESS		WEIGHT	
			INCH	MM	LBS/FOOT	KG/METER
24 600	24.000 609.6	10 STD 20 40S XS 80S 30 40 60 80 100 120 140 160	0.250	6.35	63.41	94.37
			0.375	9.53	94.62	140.82
			0.500	12.70	125.49	186.76
			0.562	14.27	140.68	209.37
			0.688	17.48	171.29	254.92
			0.969	24.61	238.35	354.72
			1.219	30.96	296.58	441.39
			1.531	38.89	367.39	546.77
			1.812	46.02	429.39	639.04
			2.062	52.37	483.10	718.97
			2.344	59.54	542.13	806.83
			26 650	26.000 660.4	STD 10 40S XS 80S	0.312
0.375	9.53	102.63				152.73
0.500	12.70	136.17				202.64
28 700	28.000 711.2	STD 10 40S XS 20 80S 30	0.312	7.92	92.26	137.30
			0.375	9.53	110.64	164.65
			0.500	12.70	146.85	218.54
30 750	30.000 762.0	STD 10 40S XS 20 80S 30	0.312	7.92	98.93	147.23
			0.375	9.53	118.65	176.58
			0.500	12.70	157.53	234.44
32 800	32.000 812.8	STD 10 40S XS 20 80S 30 40	0.312	7.92	105.59	157.14
			0.375	9.53	126.66	188.49
			0.500	12.70	168.21	250.33
34 850	34.000 863.6	STD 10 40S XS 20 80S 30 40	0.312	7.92	112.25	167.05
			0.375	9.53	134.67	200.41
			0.500	12.70	178.89	266.22
36 900	36.000 914.4	STD 10 40S XS 20 80S	0.312	7.92	118.92	176.98
			0.375	9.53	142.68	212.34
			0.500	12.70	189.57	282.13
42 1050	42.000 1066.8	STD 40S 80S XS 80S 30 40	0.375	9.53	166.71	248.09
			0.500	12.70	221.61	329.79
			0.625	15.88	276.18	411.00
48 1200	48.000 1219.2	STD 40S 80S XS 80S	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)

MILITARY SPEC PIPE & TUBING	
Program	MIL-I-45208A Quality Program • Approved Level 1 Supplier
Contact Tioga for	U.S. Navy Specifications • Navy Nuclear • MIC Level 1 • Ultrasonic Testing
Fittings & Flanges	All Fittings & Flanges to Match the Pipe

TIOGA SPECIALTIES	
<i>Serving the Global Power Generation & Power Supply, Petrochemical & Chemical, Military, U.S. Government & Shipbuilding Industries since 1945</i>	
<ul style="list-style-type: none"> • 24/7 Emergency Service • Just-In-Time Programs • Inventory on the Ground • All Schedule Walls • Special Heavy Walls to 4"(101.6mm) • Header Pipe to 4"(101.6mm) • Special Intermediate Walls • Average & Minimum Walls • Saw Cut up to 40"(1016mm) • Cutting: Square & Miter • Custom Lengths and OD's • End Preps-Variou • Hard to Find Metals & Sizes • Se Habla Español • Exceptional Mill/Sourcing Relations 	<ul style="list-style-type: none"> • Dedicated Project Solution Teams • Vendor Managed Inventory Programs • Mobile On-Site Inventory Programs • Quick Response Programs • Low Total Cost Solutions • International Export & Packaging • EU PED 97/23/EC • ISO 9001-2000 • MIC Level 1 Supplier • In-House Testing • Destructive Examination • Non-Destructive Examination • In-House Hydrostatic Testing • Full EDI Capabilities • Customized e-business Solutions • Emergency Forged and Buttweld Fittings

NUCLEAR MATERIALS	
Program	ASME Section III - ASME QSC 467
Specifications	10CFR50 Appendix B • N45.2 • NQA-1 • MIL-I-45208A • All Level 1
Products	Pipe • Tubing • Fittings • Flanges • Structural • Fasteners • Forgings • Castings • Weld Rod • Fabricated Products
Grades	Carbon • Stainless • Chrome Moly • Nickel Alloys • Duplex • 6 Moly Alloys • Low Temperature • Special Melts • Copper & Titanium

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).