

PIPE DIMENSIONS AND WEIGHTS

Available in commercial and nuclear 

U.S./METRIC

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT		ID	
		ASME			INCH	MM	LBS/FOOT	KG/METER	INCH	MM
1/8 6	0.405 10.3	10	40	10S	0.049	1.24	0.19	0.28	0.307	7.82
		STD	80	40S	0.068	1.73	0.24	0.37	0.269	6.84
		XS	80	80S	0.095	2.41	0.31	0.47	0.215	5.84
1/4 8	0.540 13.7	10	40	10S	0.065	1.65	0.33	0.49	0.410	10.40
		STD	80	40S	0.088	2.24	0.43	0.63	0.364	9.22
		XS	80	80S	0.119	3.02	0.54	0.80	0.302	7.66
3/8 10	0.675 17.1	10	40	10S	0.065	1.65	0.42	0.63	0.545	13.80
		STD	80	40S	0.091	2.31	0.57	0.84	0.493	12.48
		XS	80	80S	0.126	3.20	0.74	1.10	0.423	10.70
1/2 15	0.840 21.3	5		5S	0.065	1.65	0.54	0.80	0.710	18.00
		10		10S	0.083	2.11	0.67	1.00	0.674	17.08
		STD	40	40S	0.109	2.77	0.85	1.27	0.622	15.76
		XS	80	80S	0.147	3.73	1.09	1.62	0.546	13.84
		160			0.188	4.78	1.31	1.95	0.464	11.74
		XX			0.294	7.47	1.72	2.55	0.252	6.36
3/4 20	1.050 26.7	5		5S	0.065	1.65	0.69	1.03	0.920	23.40
		10		10S	0.083	2.11	0.86	1.28	0.884	22.48
		STD	40	40S	0.113	2.87	1.13	1.69	0.824	20.96
		XS	80	80S	0.154	3.91	1.48	2.20	0.742	18.88
		160			0.219	5.56	1.95	2.90	0.612	15.58
		XX			0.308	7.82	2.44	3.64	0.434	11.06
1 25	1.315 33.4	5		5S	0.065	1.65	0.87	1.29	1.185	30.10
		10		10S	0.109	2.77	1.41	2.09	1.097	27.86
		STD	40	40S	0.133	3.38	1.68	2.50	1.049	26.64
		XS	80	80S	0.179	4.55	2.17	3.24	0.957	24.30
		160			0.250	6.35	2.85	4.24	0.815	20.70
		XX			0.358	9.09	3.66	5.45	0.599	15.22
1-1/4 32	1.660 42.2	5		5S	0.065	1.65	1.11	1.65	1.530	38.90
		10		10S	0.109	2.77	1.81	2.69	1.442	36.66
		STD	40	40S	0.140	3.56	2.27	3.39	1.380	35.08
		XS	80	80S	0.191	4.85	3.00	4.47	1.278	32.50
		160			0.250	6.35	3.77	5.61	1.160	29.50
		XX			0.382	9.70	5.22	7.77	0.896	22.80
1-1/2 40	1.900 48.3	5		5S	0.065	1.65	1.28	1.90	1.770	45.00
		10		10S	0.109	2.77	2.09	3.11	1.682	42.76
		STD	40	40S	0.145	3.68	2.72	4.05	1.610	40.94
		XS	80	80S	0.200	5.08	3.63	5.41	1.500	38.14
		160			0.281	7.14	4.86	7.25	1.338	34.02
		XX			0.400	10.15	6.41	9.55	1.100	28.00
2 50	2.375 60.3	5		5S	0.065	1.65	1.61	2.39	2.245	57.00
		10		10S	0.109	2.77	2.64	3.93	2.157	54.76
		STD	40	40S	0.154	3.91	3.66	5.44	2.067	52.48
		XS	80	80S	0.218	5.54	5.03	7.48	1.939	49.22
		160			0.344	8.74	7.47	11.11	1.687	42.82
		XX			0.436	11.07	9.04	13.44	1.503	38.16
2-1/2 65	2.875 73.0	5		5S	0.083	2.11	2.48	3.69	2.709	68.78
		10		10S	0.120	3.05	3.53	5.26	2.635	66.90
		STD	40	40S	0.203	5.16	5.80	8.63	2.469	62.68
		XS	80	80S	0.276	7.01	7.67	11.41	2.323	58.98
		160			0.375	9.53	10.02	14.92	2.125	53.94
		XX			0.552	14.02	13.71	20.39	1.771	44.96
3 80	3.500 88.9	5		5S	0.083	2.11	3.03	4.52	3.334	84.68
		10		10S	0.120	3.05	4.34	6.46	3.260	82.80
		STD	40	40S	0.216	5.49	7.58	11.29	3.068	77.92
		XS	80	80S	0.300	7.62	10.26	15.27	2.900	73.66
		160			0.438	11.13	14.34	21.35	2.624	66.64
		XX			0.600	15.24	18.60	27.68	2.300	58.42
3-1/2 90	4.000 101.6	5		5S	0.083	2.11	3.48	5.18	3.834	97.38
		10		10S	0.120	3.05	4.98	7.41	3.760	95.50
		STD	40	40S	0.226	5.74	9.12	13.57	3.548	90.12
		XS	80	80S	0.318	8.08	12.52	18.64	3.364	85.44
		160			0.636	16.15	22.87	34.03	2.728	69.30
		XX								
4 100	4.500 114.3	5		5S	0.083	2.11	3.92	5.84	4.334	110.08
		10		10S	0.120	3.05	5.62	8.37	4.260	108.20
					0.156	3.96	7.24	10.78	4.188	106.38
					0.188	4.78	8.67	12.91	4.124	104.74
		STD	40	40S	0.237	6.02	10.80	16.08	4.026	102.26
		XS	80	80S	0.337	8.56	15.00	22.32	3.826	97.18
		120			0.438	11.13	19.02	28.32	3.624	92.04
		160			0.531	13.49	22.53	33.54	3.438	87.32
		XX			0.674	17.12	27.57	41.03	3.152	80.06
4-1/2 115	5.000 127.0	STD	40	40S	0.247	6.27	12.55	18.67	4.506	114.46
		XS	80	80S	0.355	9.02	17.63	26.24	4.290	108.96
		XX			0.710	18.03	32.56	48.45	3.580	90.94

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT		ID			
		ASME			INCH	MM	LBS/FOOT	KG/METER	INCH	MM		
5 125	5.563 141.3	5		5S	0.109	2.77	6.36	9.46	5.345	135.76		
		10		10S	0.134	3.40	7.78	11.56	5.295	134.50		
		STD	40	40S	0.258	6.55	14.63	21.77	5.047	128.20		
		XS	80	80S	0.375	9.53	20.80	30.97	4.813	122.24		
		120			0.500	12.70	27.06	40.28	4.563	115.90		
		160			0.625	15.88	32.99	49.12	4.313	109.54		
6 150	6.625 168.3	5		5S	0.109	2.77	7.59	11.31	6.407	162.76		
		10		10S	0.134	3.40	9.30	13.83	6.357	161.50		
					0.188	4.78	12.94	19.28	6.249	158.74		
		STD	40	40S	0.280	7.11	18.99	28.26	6.065	154.08		
		XS	80	80S	0.432	10.97	28.60	42.56	5.761	146.36		
		120			0.562	14.27	36.43	54.21	5.501	139.76		
7 175	7.625 193.7	STD	40	40S	0.301	7.65	23.57	35.10	7.023	178.40		
		XS	80	80S	0.500	12.70	38.08	56.69	6.625	168.30		
		XX			0.875	22.23	63.14	94.00	5.875	149.24		
		8 200	8.625 219.1	5		5S	0.109	2.77	9.92	14.78	8.407	213.56
				10		10S	0.148	3.76	13.41	19.97	8.329	211.58
				20			0.250	6.35	22.38	33.32	8.125	206.40
30					0.277	7.04	24.72	36.82	8.071	205.02		
STD	40			40S	0.322	8.18	28.58	42.55	7.981	202.74		
60					0.406	10.31	35.67	53.09	7.813	198.48		
9 225	9.625 244.5	XS	80	80S	0.500	12.70	43.43	64.64	7.625	193.70		
		100			0.594	15.09	51.00	75.92	7.437	188.92		
		120			0.719	18.26	60.77	90.44	7.187	182.58		
		140			0.812	20.62	67.82	100.93	7.001	177.86		
		160			0.875	22.23	72.49	107.93	6.875	174.64		
		XX			0.906	23.01	74.76	111.27	6.813	173.08		
10 250	10.750 273.0	STD	40	40S	0.342	8.69	33.94	50.54	8.941	227.12		
		XS	80	80S	0.500	12.70	48.77	72.60	8.625	219.10		
		XX			0.875	22.23	81.85	121.85	7.875	200.04		
		11 275	11.750 298.5	5		5S	0.134	3.40	15.21	22.61	10.482	266.20
				10		10S	0.165	4.19	18.67	27.78	10.420	264.62
							0.188	4.78	21.23	31.62	10.374	263.44
					0.250	6.35	28.06	41.76	10.250	260.30		
STD	40			40S	0.307	7.80	34.27	51.01	10.136	257.40		
60					0.365	9.27	40.52	60.29	10.020	254.46		
12 300	12.750 323.8	XS	80	80S	0.500	12.70	54.79	81.53	9.750	247.60		
		100			0.594	15.09	64.49	95.98	9.562	242.82		
		120			0.719	18.26	77.10	114.71	9.312	236.48		
		140			0.844	21.44	89.38	133.01	9.062	230.12		
		160			1.000	25.40	104.23	155.10	8.750	222.20		
		XX			1.125	28.58	115.75	172.27	8.500	215.84		
14 350	14.000 355.6	STD</										

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS	WALL THICKNESS		WEIGHT		ID				
			INCH	MM	LBS/FOOT	KG/METER	INCH	MM			
16 400	16.000 406.4	10	10S	0.188	4.78	31.78	47.34	15.624	396.84		
				0.250	6.35	42.09	62.65	15.500	393.70		
		20	40S	0.312	7.92	52.32	77.83	15.376	390.56		
				0.375	9.53	62.64	93.27	15.250	387.34		
		STD 30	40S	0.500	12.70	82.85	123.31	15.000	381.00		
				0.656	16.66	107.60	160.13	14.688	373.08		
		XS 40	80S	0.844	21.44	136.74	203.54	14.312	363.52		
				1.031	26.19	164.98	245.57	13.938	354.02		
		60		1.219	30.96	192.61	286.66	13.562	344.48		
				1.438	36.53	223.85	333.21	13.124	333.34		
		80		1.594	40.49	245.48	365.38	12.812	325.42		
		18 450	18.000 457	10	10S	0.188	4.78	35.80	53.31	17.624	447.44
						0.250	6.35	47.44	70.57	17.500	444.30
20	40S			0.312	7.92	58.99	87.71	17.376	441.16		
				0.375	9.53	70.65	105.17	17.250	437.94		
STD 30	40S			0.438	11.13	82.23	122.38	17.124	434.74		
				0.500	12.70	93.54	139.16	17.000	431.60		
40	80S			0.562	14.27	104.76	155.81	16.876	428.46		
				0.750	19.05	138.30	205.75	16.500	418.90		
60				0.938	23.83	171.08	254.57	16.124	409.34		
				1.156	29.36	208.15	309.64	15.688	398.28		
80				1.375	34.93	244.37	363.58	15.250	387.14		
				1.562	39.67	274.48	408.28	14.876	377.66		
100				1.781	45.24	308.79	459.39	14.438	366.52		
20 500	20.000 508	10	10S	0.218	5.54	46.10	68.61	19.564	496.92		
				0.250	6.35	52.78	78.56	19.500	495.30		
		STD 20	40S	0.375	9.53	78.67	117.15	19.250	488.94		
				0.500	12.70	104.23	155.13	19.000	482.60		
		40		0.594	15.09	123.23	183.43	18.812	477.82		
				0.812	20.62	166.56	247.84	18.376	466.76		
		60		1.031	26.19	209.06	311.19	17.938	455.62		
				1.281	32.54	256.34	381.55	17.438	442.92		
		80		1.500	38.10	296.65	441.52	17.000	431.80		
				1.750	44.45	341.41	508.15	16.500	419.10		
		100		1.969	50.01	379.53	564.85	16.062	407.98		
		22 550	22.000 559	10	10S	0.218	5.54	50.76	75.55	21.564	547.92
						0.250	6.35	58.13	86.55	21.500	546.30
STD 20	40S			0.375	9.53	86.69	129.14	21.250	539.94		
				0.500	12.70	114.92	171.10	21.000	533.60		
40				0.875	22.23	197.60	294.27	20.250	514.54		
				1.125	28.58	251.05	373.85	19.750	501.84		
60				1.375	34.93	303.16	451.45	19.250	489.14		
				1.625	41.28	353.94	527.05	18.750	476.44		
80				1.875	47.63	403.38	600.67	18.250	463.74		
				2.125	53.98	451.49	672.30	17.750	451.04		

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS	WALL THICKNESS		WEIGHT		ID				
			INCH	MM	LBS/FOOT	KG/METER	INCH	MM			
24 600	24.000 610	10	10S	0.250	6.35	63.47	94.53	23.500	597.30		
				0.375	9.53	94.71	141.12	23.250	590.94		
		STD 20	40S	0.500	12.70	125.61	187.07	23.000	584.60		
				0.562	14.27	140.81	209.65	22.876	581.46		
		30	80S	0.688	17.48	171.45	255.43	22.624	575.04		
				0.969	24.61	238.57	355.28	22.062	560.78		
		40		1.219	30.96	296.86	442.11	21.562	548.08		
				1.531	38.89	367.74	547.74	20.938	532.22		
		60		1.812	46.02	429.79	640.07	20.376	517.96		
				2.062	52.37	483.57	720.19	19.876	505.26		
		80		2.344	59.54	542.64	808.27	19.312	490.92		
		26 650	26.000 660	10	10S	0.312	7.92	85.68	127.36	25.376	644.16
						0.375	9.53	102.72	152.88	25.250	640.94
STD 20	40S			0.500	12.70	136.30	202.74	25.000	634.60		
28 700	28.000 711	10	10S	0.312	7.92	92.35	137.32	27.376	695.16		
				0.375	9.53	110.74	164.86	27.250	691.94		
		STD 20	40S	0.500	12.70	146.99	218.71	27.000	685.60		
				0.625	15.88	182.90	272.23	26.750	679.24		
30 750	30.000 762	10	10S	0.312	7.92	99.02	147.29	29.376	746.16		
				0.375	9.53	118.76	176.85	29.250	742.94		
		STD 20	40S	0.500	12.70	157.68	234.68	29.000	736.60		
				0.625	15.88	196.26	292.20	28.750	730.24		
32 800	32.000 813	10	10S	0.312	7.92	105.69	157.25	31.376	797.16		
				0.375	9.53	126.78	188.83	31.250	793.94		
		STD 20	40S	0.500	12.70	168.37	250.65	31.000	787.60		
				0.625	15.88	209.62	312.17	30.750	781.24		
34 850	34.000 864	10	10S	0.312	7.92	112.36	167.21	33.376	848.16		
				0.375	9.53	134.79	200.82	33.250	844.94		
		STD 20	40S	0.500	12.70	179.06	266.63	33.000	838.60		
				0.625	15.88	222.99	332.14	32.750	832.24		
36 900	36.000 914	10	10S	0.312	7.92	119.03	176.97	35.376	898.16		
				0.375	9.53	142.81	212.57	35.250	894.94		
		STD 20	40S	0.500	12.70	189.75	282.29	35.000	888.60		
42 1050	42.000 1067	STD 20	40S	0.375	9.53	166.86	248.53	41.250	1047.94		
				0.500	12.70	221.82	330.21	41.000	1041.60		
		XS 30	80S	0.625	15.88	276.44	411.64	40.750	1035.24		
0.750	19.05			330.72	492.33	40.500	1028.90				
48 1200	48.000 1219	STD 20	40S	0.375	9.53	190.92	284.25	47.250	1199.94		
				0.500	12.70	253.89	377.81	47.000	1193.60		

PIPING • TUBING • FITTINGS FLANGES • RELATED PRODUCTS	
Type	Seamless & Welded
Commodity	Chrome • Stainless • Carbon • Low Temperature
Specifications	A/SA335 • A/SA312 • A/SA213 • A/SA106 • A/SA53/API5L • A/SA333
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

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

NUCLEAR MATERIALS	
Program	ASME Section III - ASME QSC 467
Specifications	10CFR50 Appendix B • N45.2 • NQA-1 • U.S. Navy Nuclear Specifications
Products	Pipe • Tubing • Fittings • Flanges • Structural • Fasteners • Forgings • Castings • Weld Rod • Plate
Grades	Carbon • Stainless • Chrome Moly • Nickel Alloys • Duplex • 6 Moly Alloys • Low Temperature • Special Melts • Copper & Titanium

SPECIALTY ALLOYS	
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 • 316LN
Sizes (O.D.)	1/8" (3.175mm) - 8" (203.2mm)
Wall Dimensions	0.035" (.889mm) - 0.875" (22.23mm)

TIOGA SPECIALTIES	
<ul style="list-style-type: none"> Project Management 24/7 Emergency Service Just-In-Time Programs Inventory in Stock All Schedule Walls Special Heavy Walls to 4" (101.6mm) Header Pipe to 4" Wall (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 EN PED 97/23/EC ISO 9001-2008 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

Note: Actual dimensions can vary from the figures based on specifications/manufacturing tolerances. The Data for weight is based on the following calculation for wrought steel pipe:
 LB/Foot = (Outside diameter [in.] - Wall Thickness [in.]) x (Wall Thickness [in.]) x (10.69)
 KG/Meter = (Outside diameter [mm] - Wall Thickness [mm]) x (Wall Thickness [mm]) x (0.0246615)

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