

# PIPE DIMENSIONS AND WEIGHTS

Available in commercial and nuclear

## PRIDE METAL AND ALLOYS

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

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT		ID						
					INCH	MM	LBS/FOOT	KG/METER	INCH	MM					
INCH MM	INCH MM	ASME			INCH	MM	LBS/FOOT	KG/METER	INCH	MM					
5 125	5.563 141.3	5 10	40 80	5S 10S 40S 80S	0.109	2.77	6.36	9.46	5.345	135.76					
					0.134	3.40	7.78	11.56	5.295	134.50					
					0.258	6.55	14.63	21.77	5.047	128.20					
					0.375	9.53	20.80	30.97	4.813	122.24					
					0.500	12.70	27.06	40.28	4.563	115.90					
					0.625	15.88	32.99	49.12	4.313	109.54					
6 150	6.625 168.3	5 10	40 80	5S 10S 40S 80S	0.109	2.77	7.59	11.31	6.407	162.76					
					0.134	3.40	9.30	13.83	6.357	161.50					
					0.188	4.78	12.94	19.28	6.249	158.74					
					0.280	7.11	18.99	28.26	6.065	154.08					
					0.432	10.97	28.60	42.56	5.761	146.36					
					0.562	14.27	36.43	54.21	5.501	139.76					
7 175	7.625 193.7	STD XS XX	40 80	40S 80S	0.301	7.65	23.57	35.10	7.023	178.40					
					0.500	12.70	38.08	56.69	6.625	168.30					
					0.875	22.23	63.14	94.00	5.875	149.24					
					8 200	8.625 219.1	10 20	40 80	5S 10S 40S 80S	0.109	2.77	9.92	14.78	8.407	213.56
										0.148	3.76	13.41	19.97	8.329	211.58
										0.250	6.35	22.38	33.32	8.125	206.40
0.277	7.04	24.72	36.82	8.071						205.02					
0.322	8.18	28.58	42.55	7.981						202.74					
0.406	10.31	35.67	53.09	7.813						198.48					
9 225	9.625 244.5	STD XS XX	40 80	40S 80S	0.500	12.70	43.43	64.64	7.625	193.70					
					0.594	15.09	51.00	75.92	7.437	188.92					
					0.719	18.26	60.77	90.44	7.187	182.58					
					0.812	20.62	67.82	100.93	7.001	177.86					
					0.875	22.23	72.49	107.93	6.875	174.64					
					0.906	23.01	74.76	111.27	6.813	173.08					
10 250	10.750 273.0	20 30	40 80	5S 10S 40S 80S	0.134	3.40	15.21	22.61	10.482	266.20					
					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					
					0.307	7.80	34.27	51.01	10.136	257.40					
					0.365	9.27	40.52	60.29	10.020	254.46					
11 275	11.750 298.5	XS XX	40 80	40S 80S	0.500	12.70	54.79	81.53	9.750	247.60					
					0.594	15.09	64.49	95.98	9.562	242.82					
					0.719	18.26	77.10	114.71	9.312	236.48					
					0.844	21.44	89.38	133.01	9.062	230.12					
					1.000	25.40	104.23	155.10	8.750	222.20					
					1.125	28.58	115.75	172.27	8.500	215.84					
12 300	12.750 323.8	20 30	40 80	5S 10S 40S 80S	0.156	3.96	21.00	31.24	12.438	315.88					
					0.180	4.57	24.19	35.98	12.390	314.66					
					0.188	4.78	25.25	37.61	12.374	314.24					
					0.250	6.35	33.41	49.71	12.250	311.10					
					0.330	8.38	43.81	65.19	12.090	307.04					
					0.375	9.53	49.61	73.86	12.000	304.74					
14 350	14.000 355.6	STD XS XX	40 80	40S 80S	0.406	10.31	53.57	79.71	11.938	303.18					
					0.500	12.70	65.48	97.44	11.750	298.40					
					0.562	14.27	73.22	108.93	11.626	295.26					
					0.688	17.48	88.71	132.05	11.374	288.84					
					0.844	21.44	107.42	159.87	11.062	280.92					
					1.000	25.40	125.61	186.92	10.750	273.00					
14 350	14.000 355.6	10 20	30 40	10S 40S 80S	0.188	4.78	27.76	41.36	13.624	346.04					
					0.250	6.35	36.75	54.69	13.500	342.90					
					0.312	7.92	45.65	67.91	13.376	339.76					
					0.375	9.53	54.62	81.33	13.250	336.54					
					0.438	11.13	63.50	94.55	13.124	333.34					
					0.500	12.70	72.16	107.40	13.000	330.20					
					0.594	15.09	85.13	126.72	12.812	325.42					
					0.750										

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS	WALL THICKNESS		WEIGHT		ID			
			INCH	MM	LBS/FOOT	KG/METER	INCH	MM		
16 400	16.000 406.4	10S	0.188	4.78	31.78	47.34	15.624	396.84		
		10	0.250	6.35	42.09	62.65	15.500	393.70		
		20	0.312	7.92	52.32	77.83	15.376	390.56		
		STD 30 40S	0.375	9.53	62.64	93.27	15.250	387.34		
		XS 40 80S	0.500	12.70	82.85	123.31	15.000	381.00		
		60	0.656	16.66	107.60	160.13	14.688	373.08		
		80	0.844	21.44	136.74	203.54	14.312	363.52		
		100	1.031	26.19	164.98	245.57	13.938	354.02		
		120	1.219	30.96	192.61	286.66	13.562	344.48		
		140	1.438	36.53	223.85	333.21	13.124	333.34		
		160	1.594	40.49	245.48	365.38	12.812	325.42		
		18 450	18.000 457	10S	0.188	4.78	35.80	53.31	17.624	447.44
				10	0.250	6.35	47.44	70.57	17.500	444.30
				20	0.312	7.92	58.99	87.71	17.376	441.16
				STD 40S	0.375	9.53	70.65	105.17	17.250	437.94
				XS 80S	0.438	11.13	82.23	122.38	17.124	434.74
40	0.500			12.70	93.54	139.16	17.000	431.60		
60	0.562			14.27	104.76	155.81	16.876	428.46		
80	0.750			19.05	138.30	205.75	16.500	418.90		
100	0.938			23.83	171.08	254.57	16.124	409.34		
120	1.156			29.36	208.15	309.64	15.688	398.28		
140	1.375			34.93	244.37	363.58	15.250	387.14		
160	1.562			39.67	274.48	408.28	14.876	377.66		
20 500	20.000 508			10S	0.218	5.54	46.10	68.61	19.564	496.92
				10	0.250	6.35	52.78	78.56	19.500	495.30
				20	0.375	9.53	78.67	117.15	19.250	488.94
				STD 30 80S	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		
		60	0.812	20.62	166.56	247.84	18.376	466.76		
		80	1.031	26.19	209.06	311.19	17.938	455.62		
		100	1.281	32.54	256.34	381.55	17.438	442.92		
		120	1.500	38.10	296.65	441.52	17.000	431.80		
		140	1.750	44.45	341.41	508.15	16.500	419.10		
		160	1.969	50.01	379.53	564.85	16.062	407.98		
		22 550	22.000 559	10S	0.218	5.54	50.76	75.55	21.564	547.92
				10	0.250	6.35	58.13	86.55	21.500	546.30
				20	0.375	9.53	86.69	129.14	21.250	539.94
				STD 30 80S	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
60	1.125			28.58	251.05	373.85	19.750	501.84		
80	1.375			34.93	303.16	451.45	19.250	489.14		
100	1.625			41.28	353.94	527.05	18.750	476.44		
120	1.875			47.63	403.38	600.67	18.250	463.74		
140	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	0.250	6.35	63.47	94.53	23.500	597.30		
		STD 20 40S	0.375	9.53	94.71	141.12	23.250	590.94		
		XS 80S	0.500	12.70	125.61	187.07	23.000	584.60		
		30	0.562	14.27	140.81	209.65	22.876	581.46		
		40	0.688	17.48	171.45	255.43	22.624	575.04		
		60	0.969	24.61	238.57	355.28	22.062	560.78		
		80	1.219	30.96	296.86	442.11	21.562	548.08		
		100	1.531	38.89	367.74	547.74	20.938	532.22		
		120	1.812	46.02	429.79	640.07	20.376	517.96		
		140	2.062	52.37	483.57	720.19	19.876	505.26		
		160	2.344	59.54	542.64	808.27	19.312	490.92		
		26 650	26.000 660	10	0.312	7.92	85.68	127.36	25.376	644.16
				STD 40S	0.375	9.53	102.72	152.88	25.250	640.94
				XS 80S	0.500	12.70	136.30	202.74	25.000	634.60
				28 700	28.000 711	10	0.312	7.92	92.35	137.32
		STD 40S	0.375			9.53	110.74	164.86	27.250	691.94
XS 20 80S	0.500	12.70	146.99			218.71	27.000	685.60		
30	0.625	15.88	182.90			272.23	26.750	679.24		
30 750	30.000 762	10	0.312	7.92	99.02	147.29	29.376	746.16		
		STD 40S	0.375	9.53	118.76	176.85	29.250	742.94		
		XS 20 80S	0.500	12.70	157.68	234.68	29.000	736.60		
		30	0.625	15.88	196.26	292.20	28.750	730.24		
32 800	32.000 813	10	0.312	7.92	105.69	157.25	31.376	797.16		
		STD 40S	0.375	9.53	126.78	188.83	31.250	793.94		
		XS 20 80S	0.500	12.70	168.37	250.65	31.000	787.60		
		40	0.625	15.88	209.62	312.17	30.750	781.24		
34 850	34.000 864	10	0.312	7.92	112.36	167.21	33.376	848.16		
		STD 40S	0.375	9.53	134.79	200.82	33.250	844.94		
		XS 20 80S	0.500	12.70	179.06	266.63	33.000	838.60		
		30	0.625	15.88	222.99	332.14	32.750	832.24		
36 900	36.000 914	10	0.312	7.92	119.03	176.97	35.376	898.16		
		STD 40S	0.375	9.53	142.81	212.57	35.250	894.94		
		XS 20 80S	0.500	12.70	189.75	282.29	35.000	888.60		
		42 1050	42.000 1067	10	0.375	9.53	166.86	248.53	41.250	1047.94
STD 40S	0.500			12.70	221.82	330.21	41.000	1041.60		
XS 20 80S	0.625			15.88	276.44	411.64	40.750	1035.24		
40	0.750			19.05	330.72	492.33	40.500	1028.90		
48 1200	48.000 1219	STD 40S	0.375	9.53	190.92	284.25	47.250	1199.94		
		XS 20 80S	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)

OUR SPECIALITIES	
• Project Management	• Dedicated Project Solution Teams
• 24/7 Emergency Service	• Vendor Managed Inventory Programs
• Just-In-Time Programs	• Mobile On-Site Inventory Programs
• Inventory in Stock	• Quick Response Programs
• All Schedule Walls	• Low Total Cost Solutions
• Special Heavy Walls to 4" (101.6mm)	• International Export & Packaging
• Header Pipe to 4" Wall (101.6mm)	• EN PED 97/23/EC
• Special Intermediate Walls	• ISO 9001-2008
• Average & Minimum Walls	• MIC Level 1 Supplier
• Saw Cut up to 40" (1016mm)	• In-House Testing
• Cutting: Square & Miter	• Destructive Examination
• Custom Lengths and OD's	• Non-Destructive Examination
• End Preps-Variou	• In-House Hydrostatic Testing
• Hard to Find Metals & Sizes	• Full EDI Capabilities
• Se Habla Español	• Customized e-business Solutions
• Exceptional Mill/Sourcing Relations	• Emergency Forged and Butt-welded 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)