MURTAZA CORPORATION

PIPE DIMENSIONS AND WEIGHTS

U.S./METRIC

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

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME			INCH	MM	LBS/ FOOT	KG/ METER	INCH	MM
5 125	5.563 141.3	5 10 STD XS 120 160 XX	40 80	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	6.36 7.78 14.63 20.80 27.06 32.99 38.59	9.46 11.56 21.77 30.97 40.28 49.12 57.43	5.345 5.295 5.047 4.813 4.563 4.313 4.063	135.76 134.50 128.20 122.24 115.90 109.54 103.20
6 150	6.625 168.3	5 10 STD XS 120 160 XX	40 80	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	7.59 9.30 12.94 18.99 28.60 36.43 45.39 53.21	11.31 13.83 19.28 28.26 42.56 54.21 67.57 79.22	6.407 6.357 6.249 6.065 5.761 5.501 5.187 4.897	162.76 161.50 158.74 154.08 146.36 139.76 131.78 124.40
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 38.08 63.14	35.10 56.69 94.00	7.023 6.625 5.875	178.40 168.30 149.24
8 200	8.625 219.1	10 20 30 STD 60 XS 100 120 140 XX 160	40 80	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	9.92 13.41 22.38 24.72 28.58 35.67 43.43 51.00 60.77 67.82 72.49 74.76	14.78 19.97 33.32 36.82 42.55 53.09 64.64 75.92 90.44 100.93 107.93 111.27	8.407 8.329 8.125 8.071 7.981 7.813 7.625 7.437 7.187 7.001 6.875 6.813	213.56 211.58 206.40 205.02 202.74 198.48 193.70 188.92 182.58 177.86 174.64 173.08
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	33.94 48.77 81.85	50.54 72.60 121.85	8.941 8.625 7.875	227.12 219.10 200.04
10 250	10.750 273.0	20 30 STD XS 80 100 120 140 160	40 60 XX	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	15.21 18.67 21.23 28.06 34.27 40.52 54.79 64.49 77.10 89.38 104.23 115.75	22.61 27.78 31.62 41.76 51.01 60.29 81.53 95.98 114.71 133.01 155.10 172.27	10.482 10.420 10.374 10.250 10.136 10.020 9.750 9.562 9.312 9.062 8.750 8.500	266.20 264.62 263.44 260.30 257.40 254.46 247.60 242.82 236.48 230.12 222.20 215.84
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	45.60 60.13 101.72	67.91 89.51 151.46	11.000 10.750 10.000	279.44 273.10 254.04
12 300	12.750 323.8	20 30 STD 40 XS 60 80 100 120 140 160	XX	5S 10S 40S 80S	0.156 0.180 0.188 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 4.78 6.35 8.38 9.53 10.31 12.70 14.27 17.48 21.44 25.40 28.58 33.32	21.00 24.19 25.25 33.41 43.81 49.61 53.57 65.48 73.22 88.71 107.42 125.61 139.81 160.42	31.24 35.98 37.61 49.71 65.19 73.86 79.71 97.44 108.93 132.05 159.87 186.92 208.08 238.69	12.438 12.390 12.374 12.250 12.090 12.000 11.938 11.750 11.626 11.374 11.062 10.750 10.500 10.126	315.88 314.66 314.24 311.10 307.04 304.74 303.18 298.40 295.26 288.84 280.92 273.00 266.64 257.16
14 350	14.000 355.6	10 20 STD 40 XS 60 80 100 120 140 160	30	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	27.76 36.75 45.65 54.62 63.50 72.16 85.13 106.23 130.98 150.93 170.37 189.29	41.36 54.69 67.91 81.33 94.55 107.40 126.72 158.11 194.98 224.66 253.58 281.72	13.624 13.500 13.376 13.250 13.124 13.000 12.812 12.500 12.124 11.812 11.500 11.188	346.04 342.90 339.76 336.54 333.34 330.20 325.42 317.50 307.94 300.02 292.10 284.18

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS	WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME	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
		30	0.438	11.13	82.23	122.38	17.124	434.74
		XS 80S	0.500	12.70	93.54	139.16	17.000	431.60
		40	0.562	14.27	104.76	155.81	16.876	428.46
		60	0.750	19.05	138.30	205.75	16.500	418.90
		80	0.938	23.83	171.08	254.57	16.124	409.34
		100	1.156	29.36	208.15	309.64	15.688	398.28
		120	1.375	34.93	244.37	363.58	15.250	387.14
		140	1.562	39.67	274.48	408.28	14.876	377.66
		160	1.781	45.24	308.79	459.39	14.438	366.52
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
		STD 20 40S	0.375	9.53	78.67	117.15	19.250	488.94
		XS 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
		STD 20 40S	0.375	9.53	86.69	129.14	21.250	539.94
		XS 30 80S	0.500	12.70	114.92	171.10	21.000	533.60
		60	0.875	22.23	197.60	294.27	20.250	514.54
		80	1.125	28.58	251.05	373.85	19.750	501.84
		100	1.375	34.93	303.16	451.45	19.250	489.14
		120	1.625	41.28	353.94	527.05	18.750	476.44
		140	1.875	47.63	403.38	600.67	18.250	463.74
		160	2.125	53.98	451.49	672.30	17.750	451.04

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 • Structurals • Fasteners • Forgings • Castings • Weld Rod • Plate
Grades	Carbon • Stainless • Chrome Moly • Nickel Alloys • Duplex • 6 Moly Alloys • Low Temperature • Special Melts • Copper & Titanium

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS	WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME	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
		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	27.376	695.16
		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	0.375	9.53	126.78	188.83	31.250	793.94
		XS 20	0.500	12.70	168.37	250.65	31.000	787.60
		30	0.625	15.88	209.62	312.17	30.750	781.24
		40	0.688	17.48	230.29	342.94	30.624	778.04
34 850	34.000 864	10	0.312	7.92	112.36	167.21	33.376	848.16
		STD	0.375	9.53	134.79	200.82	33.250	844.94
		XS 20	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
		40	0.688	17.48	245.00	364.92	32.624	829.04
36 900	36.000 914	10	0.312	7.92	119.03	176.97	35.376	898.16
		STD	0.375	9.53	142.81	212.57	35.250	894.94
		XS	0.500	12.70	189.75	282.29	35.000	888.60
42 1050	42.000 1067	STD	0.375	9.53	166.86	248.53	41.250	1047.94
		XS	0.500	12.70	221.82	330.21	41.000	1041.60
			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	0.375	9.53	190.92	284.25	47.250	1199.94
		XS	0.500	12.70	253.89	377.81	47.000	1193.60

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)

SPECIALTIES

- 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-Various
- Hard to Find Metals & Sizes
- Se Habla Español
- Exceptional Mill/Sourcing Relations
- 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)