



ALLIED PIPING INC.

Global Resources - Local Solutions



PIPE DIMENSIONS AND WEIGHTS

U.S./METRIC

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATION	WALL THICKNESS	ID	WEIGHT
INCH MM	INCH MM	ASME	INCH MM	INCH MM	LBS/FT KG/M
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	0.307 0.269 0.215 7.82 6.84 5.84	0.19 0.24 0.31 0.28 0.37 0.47
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	0.410 0.364 0.302 10.40 9.22 7.66	0.33 0.43 0.54 0.49 0.63 0.80
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	0.545 0.493 0.423 13.80 12.48 10.70	0.42 0.57 0.74 0.63 0.84 1.10
1/2 15	0.840 21.3	5 10 STD XS 160 XXS 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	0.710 0.674 0.622 0.546 0.464 0.252 18.00 17.08 15.76 13.84 11.74 6.36	0.54 0.67 0.85 1.09 1.31 1.72 0.80 1.00 1.27 1.62 1.95 2.55
3/4 20	1.050 26.7	5 10 STD XS 160 XXS 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	0.920 0.884 0.824 0.742 0.612 0.434 23.40 22.48 20.96 18.88 15.58 11.06	0.69 0.86 1.13 1.48 1.95 2.44 1.03 1.28 1.69 2.20 2.90 3.64
1 25	1.315 33.4	5 10 STD XS 160 XXS 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	1.185 1.097 1.049 0.957 0.815 0.599 30.10 27.86 26.64 24.30 20.70 15.22	1.29 2.09 2.50 3.24 4.24 5.45 1.29 2.09 2.50 3.24 4.24 5.45
1-1/4 32	1.660 42.2	5 10 STD XS 160 XXS 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	1.530 1.442 1.380 1.278 1.160 0.896 38.90 36.66 35.08 32.50 29.50 22.80	1.65 2.69 3.39 4.47 5.61 7.77 1.65 2.69 3.39 4.47 5.61 7.77
1-1/2 40	1.900 48.3	5 10 STD XS 160 XXS 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	1.770 1.682 1.610 1.500 1.338 1.100 45.00 42.76 40.94 38.14 34.02 28.00	1.90 3.11 4.05 5.41 7.25 9.55 1.90 3.11 4.05 5.41 7.25 9.55
2 50	2.375 60.3	5 10 STD XS 160 XXS 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	2.245 2.157 2.067 1.939 1.687 1.503 57.00 54.76 52.48 49.22 42.82 38.16	2.39 3.93 5.44 7.48 11.11 13.44 2.39 3.93 5.44 7.48 11.11 13.44
2-1/2 65	2.875 73.0	5 10 STD XS 160 XXS 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	2.709 2.635 2.469 2.323 2.125 1.771 68.78 66.90 62.68 58.98 53.94 44.96	3.69 5.26 8.63 11.41 14.92 20.39 3.69 5.26 8.63 11.41 14.92 20.39
3 80	3.500 88.9	5 10 STD XS 160 XXS 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	3.334 3.260 3.068 2.900 2.624 2.300 84.68 82.80 77.92 73.66 66.64 58.42	4.52 6.46 11.29 15.27 21.35 27.68 4.52 6.46 11.29 15.27 21.35 27.68
3-1/2 90	4.000 101.6	5 10 STD XS 160 XXS 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	3.834 3.760 3.548 3.364 2.728 97.38 95.50 90.12 85.44 69.30	5.18 7.41 13.57 18.64 34.03 5.18 7.41 13.57 18.64 34.03
4 100	4.500 114.3	5 10 STD XS 120 160 XXS 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	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	5.84 8.37 10.78 12.91 16.08 22.32 28.32 33.54 41.03 5.84 8.37 10.78 12.91 16.08 22.32 28.32 33.54 41.03
4-1/2 115	5.000 127.0	STD XS XXS 40 80 40S 80S	0.247 0.355 0.710 6.27 9.02 18.03	4.506 4.290 3.580 114.46 108.96 90.94	12.55 17.63 32.56 12.55 17.63 32.56

TOTAL PIPING SOLUTIONS

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATION	WALL THICKNESS	ID	WEIGHT
INCH MM	INCH MM	ASME	INCH MM	INCH MM	LBS/FT KG/M
5 125	5.563 141.3	5 10 STD XS 120 160 XXS 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	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	6.36 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
6 150	6.625 168.3	5 10 STD XS 120 160 XXS 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	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	7.59 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
7 175	7.625 193.7	STD XS XXS 40 80 40S 80S	0.301 0.500 0.875 7.65 12.70 22.23	7.023 6.625 5.875 178.40 168.30 149.24	23.57 38.08 63.14 35.10 56.69 94.00
8 200	8.625 219.1	10 20 30 STD 60 XS 100 120 140 XXS 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	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	9.92 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
9 225	9.625 244.5	STD XS XXS 40 80 40S 80S	0.342 0.500 0.875 8.69 12.70 22.23	8.941 8.625 7.875 227.12 219.10 200.04	33.94 48.77 81.85 50.54 72.60 121.85
10 250	10.750 273.0	20 30 STD XS 80 100 120 140 XXS 40 80 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	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	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
11 275	11.750 298.5	STD XS XXS 40 80 40S 80S	0.375 0.500 0.875 9.53 12.70 22.23	11.000 10.750 10.000 279.44 273.10 254.04	45.60 60.13 101.72 67.91 89.51 151.46
12 300	12.750 323.8	20 30 STD XS 40 60 80 100 120 140 160 40 80 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	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	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
14 350	14.000 355.6	10 20 STD XS 40 60 80 100 120 140 160 30 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	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	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

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PIPE DIMENSIONS AND WEIGHTS

U.S./METRIC

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATION	WALL THICKNESS	ID	WEIGHT
INCH MM	INCH MM	ASME	INCH MM	INCH MM	LBS/FT KG/M
16 400	16.000 406.4	10 20 STD 30 XS 40 60 80 100 120 140 160	10S 40S 80S	0.188 4.78 0.250 6.35 0.312 7.92 0.375 9.53 0.500 12.70 0.656 16.66 0.844 21.44 1.031 26.19 1.219 30.96 1.438 36.53 1.594 40.49	15.624 396.84 15.500 393.70 15.376 390.56 15.250 387.34 15.000 381.00 14.688 373.08 14.312 363.52 13.938 354.02 13.562 344.48 13.124 333.34 12.812 325.42
18 450	18.000 457	10 20 STD 30 XS 40 60 80 100 120 140 160	10S 40S 80S	0.188 4.78 0.250 6.35 0.312 7.92 0.375 9.53 0.438 11.13 0.500 12.70 0.562 14.27 0.750 19.05 0.938 23.83 1.156 29.36 1.375 34.93 1.562 39.67 1.781 45.24	17.624 447.44 17.500 444.30 17.376 441.16 17.250 437.94 17.124 434.74 17.000 431.60 16.876 428.46 16.500 418.90 16.124 409.34 15.688 398.28 15.250 387.14 14.876 377.66 14.438 366.52
20 500	20.000 508	10 20 STD 30 XS 40 60 80 100 120 140 160	10S 40S 80S	0.218 5.54 0.250 6.35 0.375 9.53 0.500 12.70 0.594 15.09 0.812 20.62 1.031 26.19 1.281 32.54 1.500 38.10 1.750 44.45 1.969 50.01	19.564 496.92 19.500 495.30 19.250 488.94 19.000 482.60 18.812 477.82 18.376 466.76 17.938 455.62 17.438 442.92 17.000 431.80 16.500 419.10 16.062 407.98
22 550	22.000 559	10 20 STD 30 XS 40 60 80 100 120 140 160	10S 40S 80S	0.218 5.54 0.250 6.35 0.375 9.53 0.500 12.70 0.875 22.23 1.125 28.58 1.375 34.93 1.625 41.28 1.875 47.63 2.125 53.98	21.564 547.92 21.500 546.30 21.250 539.94 21.000 533.60 20.250 514.54 19.750 501.84 19.250 489.14 18.750 476.44 18.250 463.74 17.750 451.04

TOTAL PIPING

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATION	WALL THICKNESS	ID	WEIGHT
INCH MM	INCH MM	ASME	INCH MM	INCH MM	LBS/FT KG/M
24 600	24.000 610	10 STD XS 20 30 40 60 80 100 120 140 160	10S 40S 80S	0.250 6.35 0.375 9.53 0.500 12.70 0.562 14.27 0.688 17.48 0.969 24.61 1.219 30.96 1.531 38.89 1.812 46.02 2.062 52.37 2.344 59.54	23.500 597.30 23.250 590.94 23.000 584.60 22.876 581.46 22.624 575.04 22.062 560.78 21.562 548.08 20.938 532.22 20.376 517.96 19.876 505.26 19.312 490.92
26 650	26.000 660	10 STD XS 20 30 40	10S 40S 80S	0.312 7.92 0.375 9.53 0.500 12.70 0.562 14.27 0.625 15.88	25.376 644.16 25.250 640.94 25.000 634.60 24.776 631.36 24.500 627.12
28 700	28.000 711	10 STD XS 20 30 40	10S 40S 80S	0.312 7.92 0.375 9.53 0.500 12.70 0.562 14.27 0.625 15.88	27.376 695.16 27.250 691.94 27.000 685.60 26.776 681.36 26.500 677.12
30 750	30.000 762	10 STD XS 20 30 40	10S 40S 80S	0.312 7.92 0.375 9.53 0.500 12.70 0.562 14.27 0.625 15.88	29.376 746.16 29.250 742.94 29.000 736.60 28.776 732.36 28.500 728.12
32 800	32.000 813	10 STD XS 20 30 40	10S 40S 80S	0.312 7.92 0.375 9.53 0.500 12.70 0.562 14.27 0.625 15.88	31.376 797.16 31.250 793.94 31.000 787.60 30.776 783.36 30.500 779.12
34 850	34.000 864	10 STD XS 20 30 40	10S 40S 80S	0.312 7.92 0.375 9.53 0.500 12.70 0.562 14.27 0.625 15.88	33.376 848.16 33.250 844.94 33.000 838.60 32.776 834.36 32.500 830.12
36 900	36.000 914	10 STD XS 20 30 40	10S 40S 80S	0.312 7.92 0.375 9.53 0.500 12.70 0.562 14.27 0.625 15.88	35.376 898.16 35.250 894.94 35.000 888.60 34.776 884.36 34.500 880.12
42 1050	42.000 1067	STD XS		0.375 9.53 0.500 12.70 0.625 15.88 0.750 19.05	41.250 1047.94 41.000 1041.60 40.750 1035.24 40.500 1028.90
48 1200	48.000 1219	STD XS		0.375 9.53 0.500 12.70	47.250 1199.94 47.000 1193.60

PIPING	
Carbon Steel	ASTM A106, GRB/AS3 GRB, AP, SLGRB X42, X52, X60, X65, X70
Alloy Steel	ASTM-A355 P11, P22, P5, P9, A33G3
Stainless Steel	ASTM A312, TP304, 316, T321, T347, A249, A358 A269
Nickel Alloy	ALLOY 20, B464, B729, B474, B161, B165, B167, B407, B619, B622, ALLOY 200, 201, 400, 600, 800

VALVES	
Carbon Steel	ASTM A216 WCB, WCC, ASTM A352 LCB/LCC, ASTM A105/A105N, A350 LF2
Alloy Steel	ASTM A350 LF3, A182 F54/F5, A189 F9, F22, F91, A352 LF3, A217 C5, C12, WC6, WC9, C12A
Stainless Steel	ASTM A182 F304/F304L, A182 F316/F316L, A182 F321, F247, F44(6MO), A351 CF8/CF3, A351 CF8M/CF3M, F351 3F8X, CR3McuN CN7M
Nickel Alloy	ASTM B564 NO8825, NO6625, NO4400, A484 Cu5MCu, A994 CY40, A494 CW6MC A494 M35-1

STEEL PLATES	
Carbon Steel	ASTM A36, A203, GRA, GRB, GRD, GRE, A283, A516 GR55, GR60, GR65, GR70, A517 GRB, GRE, A573 GR 65, GR70
Alloy Steel	ASTM A204, GRB A387, GR11, GR22, GR5, GR9, A203 GRD
Stainless Steel	ASTM A240 T304, T316, T321, T347 B221
Nickel Alloy	Alloy 20 B463, 162, 127, 4C9, 575

FORGED FITTING/BUTTWELD FITTINGS	
Carbon Steel	ASTM A105, ASTM A350, LF2, ASTM A234 WPB, A420 WPL6
Alloy Steel	A182-F1, F11, F22, F5, F9, LF3, ASMA 234 WP1, WP11, WP22, WP5, WP9, WPL3
Stainless Steel	ASTM A182 T304, T316, T32, T347, A403, A304, A304H, A316, A321, A347
Nickel Alloy	ALLOY 20, B462, B160, B164, B166, B408, B574 / B361, B366, B366 WPN, B366 WPNLB366 WANI, B366 WPHC276

FLANGES	
Carbon Steel	ASTM A105, A350 LF2
Alloy Steel	ASTM A182 F1, F11, F22, F5, F9, LF3
Stainless Steel	ASTM A182 T304, T316, T321, T347, B247
Nickel Alloy	Alloy 20 B-462, B160, B164, B166, B408, B574

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Pipe Dimension & Weight Chart
by scan QR code



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