

Steel Pipe

Diameter in mm	Wall in mm	Weight lb/ft kg/m	Inside Diameter in mm	Cross Sectional Area in ² cm ²	Total Area of Pile in ² cm ²	Internal Area in ² cm ²	Internal Volume ft ³ /ft m ³ /m	External Coating Area ft ² /ft m ² /m	Moment of Inertia in ⁴ cm ⁴	Section Modulus in ³ cm ³	Radius of Gyration in cm	Maximum Available Yield Strength of A252		
												ERW	SW	R&W
												ksi (MPa)		
2 3/8 60	0.109 2.769	2.64 3.93	2.16 54.79	0.78 5.01	4.43 28.58	3.65 23.58	0.0254 0.0024	0.62 0.19	0.50 20.78	0.42 6.89	1.80 4.56	65 448	Not Available	Not Available
	0.154 3.912	3.66 5.44	2.07 52.50	1.08 6.93	4.43 28.58	3.36 21.65	0.0233 0.0022	0.62 0.19	0.67 27.71	0.56 9.19	1.78 4.51	65 448		
	0.188 4.775	4.40 6.54	2.00 50.77	1.29 8.33	4.43 28.58	3.14 20.25	0.0218 0.0020	0.62 0.19	0.78 32.38	0.66 10.74	1.76 4.47	65 448		
	0.218 5.537	5.03 7.48	1.94 49.25	1.48 9.53	4.43 28.58	2.95 19.05	0.0205 0.0019	0.62 0.19	0.87 36.13	0.73 11.98	1.75 4.43	65 448		
2 7/8 73	0.120 3.048	3.53 5.26	2.64 66.93	1.04 6.70	6.49 41.88	5.45 35.18	0.0379 0.0035	0.75 0.23	0.99 41.09	0.69 11.25	1.84 4.66	60 414	Not Available	Not Available
	0.188 4.775	5.40 8.04	2.50 63.47	1.59 10.24	6.49 41.88	4.91 31.64	0.0341 0.0032	0.75 0.23	1.44 59.91	1.00 16.41	1.81 4.59	60 414		
	0.203 5.156	5.80 8.63	2.47 62.71	1.70 10.99	6.49 41.88	4.79 30.89	0.0332 0.0031	0.75 0.23	1.53 63.66	1.06 17.44	1.80 4.57	65 448		
	0.219 5.563	6.22 9.25	2.44 61.90	1.83 11.79	6.49 41.88	4.66 30.09	0.0324 0.0030	0.75 0.23	1.62 67.53	1.13 18.49	1.79 4.55	65 448		
	0.276 7.010	7.67 11.41	2.32 59.00	2.25 14.54	6.49 41.88	4.24 27.34	0.0294 0.0027	0.75 0.23	1.92 80.09	1.34 21.94	1.77 4.48	70 483		
3 1/2 89	0.120 3.048	4.34 6.45	3.26 82.80	1.27 8.22	9.62 62.07	8.35 53.85	0.0580 0.0054	0.92 0.28	1.82 75.84	1.04 17.06	1.90 4.83	60 414	Not Available	Not Available
	0.188 4.775	6.66 9.91	3.12 79.35	1.96 12.62	9.62 62.07	7.67 49.45	0.0532 0.0049	0.92 0.28	2.69 112.0	1.54 25.20	1.87 4.76	60 414		
	0.203 5.156	7.16 10.65	3.09 78.59	2.10 13.57	9.62 62.07	7.52 48.51	0.0522 0.0049	0.92 0.28	2.87 119.4	1.64 26.85	1.87 4.74	65 448		
	0.219 5.563	7.68 11.43	3.06 77.77	2.26 14.56	9.62 62.07	7.36 47.51	0.0511 0.0048	0.92 0.28	3.05 127.0	1.74 28.57	1.86 4.72	65 448		
	0.276 7.010	9.51 14.16	2.95 74.88	2.80 18.04	9.62 62.07	6.83 44.04	0.0474 0.0044	0.92 0.28	3.66 152.3	2.09 34.26	1.83 4.66	70 483		
4 1/2 114	0.120 3.048	5.62 8.36	4.26 108.2	1.65 10.65	15.90 102.6	14.25 91.96	0.0990 0.0092	1.18 0.36	3.96 164.9	1.76 28.86	2.03 5.16	60 414	Not Available	Not Available
	0.188 4.775	8.67 12.90	4.12 104.7	2.55 16.43	15.90 102.6	13.36 86.18	0.0928 0.0086	1.18 0.36	5.93 246.8	2.64 43.19	2.00 5.09	65 448		
	0.237 6.020	10.80 16.07	4.03 102.3	3.17 20.48	15.90 102.6	12.73 82.13	0.0884 0.0082	1.18 0.36	7.23 301.0	3.21 52.68	1.98 5.03	65 448		
	0.337 8.560	15.00 22.32	3.83 97.18	4.41 28.44	15.90 102.6	11.50 74.17	0.0798 0.0074	1.18 0.36	9.61 400.0	4.27 69.99	1.94 4.93	65 448		
	0.375 9.525	16.54 24.61	3.75 95.25	4.86 31.35	15.90 102.6	11.04 71.26	0.0767 0.0071	1.18 0.36	10.42 433.8	4.63 75.90	1.93 4.89	65 448		
6 5/8 168	0.188 4.775	12.94 19.25	6.25 158.7	3.80 24.53	34.47 222.4	30.67 197.9	0.2130 0.0198	1.73 0.53	19.71 820.3	6.0 97.50	2.28 5.78	60 414	Not Available	Not Available
	0.280 7.112	18.99 28.26	6.07 154.1	5.58 36.01	34.47 222.4	28.89 186.4	0.2006 0.0186	1.73 0.53	28.14 1,171	8.5 139.2	2.25 5.70	65 448		
	0.375 9.525	25.06 37.28	5.88 149.2	7.36 47.50	34.47 222.4	27.11 174.9	0.1883 0.0175	1.73 0.53	36.08 1,502	10.89 178.5	2.21 5.62	65 448		
	0.432 10.973	28.60 42.56	5.76 146.3	8.41 54.23	34.47 222.4	26.07 168.2	0.1810 0.0168	1.73 0.53	40.49 1,685	12.2 200.3	2.20 5.58	70 483		
	0.500 12.700	32.74 48.72	5.63 142.9	9.62 62.07	34.47 222.4	24.85 160.3	0.1726 0.0160	1.73 0.53	45.42 1,890	13.71 224.7	2.17 5.52	70 483		
	0.562 14.275	36.43 54.20	5.50 139.7	10.70 69.06	34.47 222.4	23.77 153.3	0.1650 0.0153	1.73 0.53	49.61 2,065	14.98 245.4	2.15 5.47	75 517		

Steel Pipe

Diameter	Wall	Weight	Inside Diameter	Cross Sectional Area	Total Area of Pile	Internal Area	Internal Volume	External Coating Area	Moment of Inertia	Section Modulus	Radius of Gyration	Maximum Available Yield Strength of A252		
												ERW	SW	R&W
												ksi (MPa)		
in mm	in mm	lb/ft kg/m	in mm	in ² cm ²	in ² cm ²	in ² cm ²	ft ³ /ft m ³ /m	ft ² /ft m ² /m	in ⁴ cm ⁴	in ³ cm ³	in cm			
7 178	0.250 6.350	18.04 26.84	6.50 165.1	5.30 34.20	38.48 248.3	33.18 214.1	0.2304 0.0214	1.83 0.56	30.23 1,258	8.6 141.6	2.39 6.07	65 448	Not Available	Not Available
	0.312 7.925	22.31 33.19	6.38 162.0	6.56 42.29	38.48 248.3	31.93 206.0	0.2217 0.0206	1.83 0.56	36.73 1,529	10.49 172.0	2.37 6.01	65 448		
	0.375 9.525	26.56 39.52	6.25 158.8	7.81 50.35	38.48 248.3	30.68 197.9	0.2131 0.0198	1.83 0.56	42.96 1788.0	12.27 201.1	2.35 5.96	65 448		
	0.500 12.700	34.74 51.70	6.00 152.4	10.21 65.87	38.48 248.3	28.27 182.4	0.1963 0.0182	1.83 0.56	54.24 2,258	15.50 254.0	2.31 5.85	65 448		
	0.562 14.275	38.68 57.56	5.88 149.3	11.37 73.33	38.48 248.3	27.12 175.0	0.1883 0.0175	1.83 0.56	59.34 2,470	16.95 277.8	2.29 5.80	65 448		
8 5/8 219	0.188 4.775	16.96 25.23	8.25 209.5	4.98 32.15	58.43 376.9	53.44 344.8	0.3711 0.0345	2.26 0.69	44.36 1,846	10.29 168.6	2.98 7.58	70 483	Not Available	Not Available
	0.250 6.350	22.38 33.31	8.13 206.4	6.58 42.44	58.43 376.9	51.85 334.5	0.3601 0.0335	2.26 0.69	57.72 2,403	13.38 219.3	2.96 7.52	70 483		
	0.322 8.179	28.58 42.53	7.98 202.7	8.40 54.19	58.43 376.9	50.03 322.8	0.3474 0.0323	2.26 0.69	72.49 3,017	16.81 275.5	2.94 7.46	70 483		
	0.375 9.525	33.07 49.22	7.88 200.0	9.72 62.71	58.43 376.9	48.71 314.2	0.3382 0.0314	2.26 0.69	82.86 3,449	19.21 314.9	2.92 7.42	70 483		
	0.500 12.700	43.43 64.63	7.63 193.7	12.76 82.34	58.43 376.9	45.66 294.6	0.3171 0.0295	2.26 0.69	105.7 4,400	24.51 401.7	2.88 7.31	70 483		
	0.533 13.538	46.11 68.61	7.56 192.0	13.55 87.42	58.43 376.9	44.88 289.5	0.3116 0.0290	2.26 0.69	111.4 4,636	25.83 423.3	2.87 7.28	70 483		
	0.625 15.875	53.45 79.54	7.38 187.3	15.71 101.3	58.43 376.9	42.72 275.6	0.2967 0.0276	2.26 0.69	126.4 5,262	29.32 480.4	2.84 7.21	65 448		
9 5/8 244	0.250 6.350	25.06 37.28	9.13 231.8	7.36 47.50	72.76 469.4	65.40 421.9	0.4541 0.0422	2.52 0.77	81.95 3,369	16.82 275.6	3.32 8.42	70 483	Not Available	Not Available
	0.312 7.925	31.06 46.22	9.00 228.6	9.13 58.89	72.76 469.4	63.63 410.52	0.4419 0.0411	2.52 0.77	99.08 4,124	20.59 337.4	3.29 8.37	70 483		
	0.375 9.525	37.08 55.18	8.88 225.4	10.90 70.31	72.76 469.4	61.86 399.1	0.4296 0.0399	2.52 0.77	116.7 4,859	24.26 397.5	3.27 8.31	70 483		
	0.500 12.700	48.77 72.58	8.63 219.1	14.33 92.47	72.76 469.4	58.43 376.9	0.4057 0.377	2.52 0.77	149.6 6,228	31.09 509.5	3.23 8.21	80 552		
	0.545 13.843	52.90 78.72	8.54 216.8	15.55 100.3	72.76 469.4	57.21 369.1	0.3973 0.0369	2.52 0.77	160.8 6,693	33.41 547.5	3.22 8.17	85 586		
10 3/4 273	0.250 6.350	28.06 41.76	10.25 260.4	8.25 53.20	90.76 585.6	82.52 532.4	0.5730 0.0532	2.81 0.86	113.7 4,733	21.16 346.7	3.71 9.43	65 448	Not Available	Not Available
	0.312 7.925	34.81 51.81	10.13 257.2	10.23 66.01	90.76 585.6	80.53 519.6	0.5592 0.0520	2.81 0.86	139.5 5,805	25.95 425.2	3.69 9.38	65 448		
	0.375 9.525	41.59 61.89	10.00 254.0	12.22 78.86	90.76 585.6	78.54 506.7	0.5454 0.0507	2.81 0.86	164.7 6,854	30.64 502.0	3.67 9.32	65 448		
	0.500 12.700	54.79 81.53	9.75 247.7	16.10 103.9	90.76 585.6	74.66 481.7	0.5185 0.0482	2.81 0.86	212.0 8,822	39.43 646.2	3.63 9.22	65 448		
	0.593 15.062	64.39 95.82	9.56 242.9	18.92 122.1	90.76 585.6	71.84 463.5	0.4989 0.0463	2.81 0.86	244.8 10,190	45.55 746.5	3.60 9.14	65 448		
12 305	0.250 6.350	31.40 46.73	11.50 292.1	9.23 59.54	113.1 729.7	103.9 670.1	0.7213 0.0670	3.14 0.96	159.3 6,632	26.56 435.2	4.16 10.55	60 414	Not Available	Not Available
	0.312 7.925	38.98 58.01	11.38 289.0	11.46 73.91	113.1 729.7	101.6 655.7	0.7058 0.0656	3.14 0.96	195.8 8,149	32.63 534.7	4.13 10.50	60 414		
	0.335 8.509	41.77 62.16	11.33 287.8	12.28 79.20	113.1 729.7	100.8 650.5	0.7001 0.0650	3.14 0.96	209.0 8,699	34.83 570.8	4.13 10.48	60 414		
	0.375 9.525	46.60 69.35	11.25 285.8	13.70 88.36	113.1 729.7	99.40 641.3	0.6903 0.0641	3.14 0.96	231.6 9,640	38.60 632.5	4.11 10.44	60 414		
	0.500 12.700	61.47 91.47	11.00 279.4	18.06 116.5	113.1 729.7	95.03 613.1	0.6600 0.0613	3.14 0.96	299.2 12,450	49.86 817.1	4.07 10.34	60 414		
	0.625 15.875	76.00 113.1	10.75 273.1	22.33 144.1	113.1 729.7	90.76 585.6	0.6303 0.0586	3.14 0.96	362.3 15,080	60.39 989.6	4.03 10.23	60 414		

Steel Pipe

Diameter in mm	Wall in mm	Weight lb/ft kg/m	Inside Diameter in mm	Cross Sectional Area in ² cm ²	Total Area of Pile in ² cm ²	Internal Area in ² cm ²	Internal Volume ft ³ /ft m ³ /m	External Coating Area ft ² /ft m ² /m	Moment of Inertia in ⁴ cm ⁴	Section Modulus in ³ cm ³	Radius of Gyration in cm	Maximum Available Yield Strength of A252		
												ERW	SW	R&W
												ksi (MPa)		
12 3/4 324	0.250 6.350	33.41 49.71	12.25 311.2	9.82 63.34	127.7 823.7	117.9 760.4	0.819 0.076	3.34 1.02	191.8 7,984	30.09 493.1	4.42 11.23	70 483	Not Available	Not Available
	0.312 7.925	41.48 61.73	12.13 308.0	12.19 78.65	127.7 823.7	115.5 745.1	0.802 0.075	3.34 1.02	235.9 9,819	37.00 606.4	4.40 11.17	70 483		
	0.375 9.525	49.61 73.82	12.00 304.8	14.58 94.06	127.7 823.7	113.1 729.7	0.785 0.073	3.34 1.02	279.3 11,630	43.82 718.0	4.38 11.12	70 483		
	0.394 10.008	52.04 77.44	11.96 303.8	15.29 98.67	127.7 823.7	112.4 725.0	0.780 0.073	3.34 1.02	292.2 12,161	45.83 751.0	4.37 11.10	70 483		
	0.406 10.312	53.58 79.73	11.94 303.2	15.74 101.6	127.7 823.7	111.9 722.1	0.777 0.072	3.34 1.02	300.2 12,500	47.09 771.7	4.37 11.09	70 483		
	0.500 12.700	65.48 97.44	11.75 298.5	19.24 124.1	127.7 823.7	108.4 699.6	0.753 0.070	3.34 1.02	361.5 15,050	56.7 929.4	4.34 11.01	70 483		
	0.525 13.335	68.61 102.1	11.70 297.2	20.16 130.1	127.7 823.7	107.5 693.6	0.747 0.069	3.34 1.02	377.4 15,710	59.20 970.0	4.33 10.99	70 483		
	0.687 17.450	88.59 131.8	11.38 289.0	26.04 168.0	127.7 823.7	101.6 655.7	0.706 0.066	3.34 1.02	475.1 19,780	74.53 1,221	4.27 10.85	70 483		
14 356	0.219 5.563	32.26 48.01	13.56 344.5	9.48 61.17	153.9 993.1	144.5 932.0	1.003 0.093	3.67 1.12	225.1 9,371	32.16 527.1	4.87 12.38	70 483	Not Available	Not Available
	0.250 6.350	36.75 54.68	13.50 342.9	10.80 69.67	153.9 993.1	143.1 923.5	0.994 0.092	3.67 1.12	255.3 10,630	36.47 597.7	4.86 12.35	70 483		
	0.312 7.925	45.65 67.94	13.38 339.8	13.42 86.56	153.9 993.1	140.5 906.6	0.976 0.091	3.67 1.12	314.4 13,090	44.91 736.0	4.84 12.30	70 483		
	0.375 9.525	54.62 81.28	13.25 336.6	16.05 103.6	153.9 993.1	137.9 889.6	0.958 0.089	3.67 1.12	372.8 15,520	53.25 872.6	4.82 12.24	70 483		
	0.438 11.125	63.50 94.50	13.12 333.3	18.66 120.4	153.9 993.1	135.3 872.7	0.939 0.087	3.67 1.12	429.5 17,880	61.36 1,005	4.80 12.19	70 483		
	0.500 12.700	72.16 107.4	13.00 330.2	21.21 136.8	153.9 993.1	132.7 856.3	0.922 0.086	3.67 1.12	483.8 20,140	69.11 1,132	4.78 12.13	70 483		
	0.625 15.875	89.36 133.0	12.75 323.9	26.26 169.4	153.9 993.1	127.7 823.7	0.887 0.082	3.67 1.12	588.5 24,500	84.08 1,377	4.73 12.02	70 483		
16 406	0.250 6.350	42.09 62.64	15.50 393.7	12.37 79.81	201.1 1,297	188.7 1,217	1.310 0.122	4.19 1.28	383.7 15,970	47.96 785.9	5.57 14.15	70 483	60 414	Not Available
	0.312 7.925	52.32 77.86	15.38 390.6	15.38 99.21	201.1 1,297	185.7 1,198	1.289 0.120	4.19 1.28	473.2 19,700	59.16 969.4	5.55 14.09	70 483	60 414	
	0.375 9.525	62.64 93.21	15.25 387.4	18.41 118.8	201.1 1,297	182.7 1,178	1.268 0.118	4.19 1.28	562.1 23,400	70.26 1,151	5.53 14.04	70 483	60 414	
	0.406 10.312	67.68 100.7	15.19 385.8	19.89 128.3	201.1 1,297	181.2 1,169	1.258 0.117	4.19 1.28	605.0 25,180	75.62 1,239	5.52 14.01	70 483	60 414	
	0.500 12.700	82.85 123.3	15.00 381.0	24.35 157.1	201.1 1,297	176.7 1,140	1.227 0.114	4.19 1.28	731.9 30,470	91.49 1,499	5.48 13.93	70 483	60 414	
	0.625 15.875	102.7 152.9	14.75 374.7	30.19 194.8	201.1 1,297	170.9 1,102	1.187 0.110	4.19 1.28	893.5 37,190	111.7 1,830	5.44 13.82	70 483	60 414	
18 457	0.250 6.350	47.44 70.59	17.50 444.5	13.94 89.94	254.5 1,642	240.5 1,552	1.670 0.155	4.71 1.44	549.1 22,860	61.02 999.9	6.28 15.94	60 414	60 414	Not Available
	0.312 7.925	59.00 87.79	17.38 441.4	17.34 111.9	254.5 1,642	237.1 1,530	1.647 0.153	4.71 1.44	678.2 28,230	75.36 1,235	6.25 15.89	60 414	60 414	
	0.375 9.525	70.66 105.1	17.25 438.2	20.76 134.0	254.5 1,642	233.71 1,508	1.623 0.151	4.71 1.44	806.6 33,570	89.63 1,469	6.23 15.83	60 414	60 414	
	0.500 12.700	93.54 139.2	17.00 431.8	27.49 177.3	254.5 1,642	227.0 1,464	1.576 0.146	4.71 1.44	1,053 43,840	117.0 1,918	6.19 15.72	60 414	60 414	
	0.625 15.875	116.1 172.8	16.75 425.5	34.12 220.1	254.5 1,642	220.4 1,422	1.530 0.142	4.71 1.44	1,289 53,660	143.2 2,347	6.15 15.61	Not Available	60 414	

Steel Pipe

Diameter in mm	Wall in mm	Weight lb/ft kg/m	Inside Diameter in mm	Cross Sectional Area in ² cm ²	Total Area of Pile in ² cm ²	Internal Area in ² cm ²	Internal Volume ft ³ /ft m ³ /m	External Coating Area ft ² /ft m ² /m	Moment of Inertia in ⁴ cm ⁴	Section Modulus in ³ cm ³	Radius of Gyration in cm	Maximum Available Yield Strength of A252		
												ERW	SW	R&W
												ksi (MPa)		
20 508	0.312 7.925	65.67 9772	19.38 492.2	19.30 124.5	314.2 2,027	294.9 1,902	2.048 0.190	5.24 1.60	935.3 38,930	93.5 1,533	6.96 17.68	60 414	60 414	Not Available
	0.375 9.525	78.67 1171	19.25 489.0	23.12 149.2	314.2 2,027	291.0 1,878	2.021 0.188	5.24 1.60	1,113 46,350	111.3 1,825	6.94 17.63	60 414	60 414	
	0.500 12.700	104.2 155.1	19.00 482.6	30.63 197.6	314.2 2,027	283.5 1,829	1.969 0.183	5.24 1.60	1,457 60,640	145.7 2,387	6.90 17.52	60 414	60 414	
	0.625 15.875	129.5 192.6	18.75 476.3	38.04 245.4	314.2 2,027	276.1 1,781	1.917 0.178	5.24 1.60	1,787 74,380	178.7 2,928	6.85 17.41	60 414	60 414	
24 610	0.312 7.925	79.01 1176	23.38 593.8	23.22 149.8	452.4 2,919	429.2 2,799	2.980 0.277	6.28 1.92	1,629 67,800	135.7 2,224	8.38 21.27	60 414	60 414	Not Available
	0.375 9.525	94.71 140.9	23.25 590.6	27.83 179.6	452.4 2,919	424.6 2,739	2.948 0.274	6.28 1.92	1,942 80,840	161.9 2,652	8.35 21.22	60 414	60 414	
	0.500 12.700	125.6 186.9	23.00 584.2	36.91 238.2	452.4 2,919	415.5 2,680	2.885 0.268	6.28 1.92	2,549 106,100	212.4 3,481	8.31 21.11	60 414	60 414	
	0.625 15.875	156.2 232.4	22.75 577.9	45.90 296.11	452.4 2,919	406.5 2,623	2.823 0.262	6.28 1.92	3,137 130,600	261.4 4,284	8.27 21.00	60 414	60 414	
	0.750 19.050	186.4 277.4	22.50 571.5	54.78 353.4	452.4 2,919	397.6 2,565	2.761 0.257	6.28 1.92	3,705 154,200	308.8 5,060	8.22 20.89	Not Available	50 345	
	0.875 22.225	216.3 321.9	22.25 565.2	63.57 410.1	452.4 2,919	388.8 2,509	2.700 0.251	6.28 1.92	4,255 177,100	354.6 5,811	8.18 20.78		50 345	
	1.000 25.400	245.9 365.9	22.00 558.8	72.26 466.2	452.4 2,919	380.1 2,452	2.640 0.245	6.28 1.92	4,787 199,300	398.9 6,537	8.14 20.67		50 345	
30 762	0.312 7.925	99.02 147.3	29.38 746.2	29.10 187.7	706.9 4,560	677.8 4,373	4.71 0.44	7.85 2.39	3,206 133,500	213.8 3,503	10.50 26.66	Not Available	60 414	Not Available
	0.375 9.525	118.8 176.7	29.25 743.0	34.90 225.2	706.9 4,560	672.0 4,335	4.67 0.43	7.85 2.39	3,829 159,400	255.3 4,184	10.47 26.61		60 414	
	0.500 12.700	157.7 234.6	29.00 736.6	46.34 299.0	706.9 4,560	660.5 4,261	4.59 0.43	7.85 2.39	5,042 209,900	336.1 5,508	10.43 26.50		60 414	
	0.625 15.875	196.3 292.1	28.75 730.3	57.68 372.1	706.9 4,560	649.2 4,188	4.51 0.42	7.85 2.39	6,224 259,100	414.9 6,800	10.39 26.39		60 414	
	0.750 19.050	234.5 349.0	28.50 723.9	68.92 444.6	706.9 4,560	637.9 4,116	4.43 0.41	7.85 2.39	7,375 307,000	491.7 8,057	10.34 26.28		60 414	
	0.875 22.225	272.4 405.4	28.25 717.6	80.06 516.5	706.9 4,560	626.8 4,044	4.35 0.40	7.85 2.39	8,497 353,700	566.5 9,283	10.30 26.17		60 414	
	1.000 25.400	310.0 461.3	28.00 711.2	91.11 587.8	706.9 4,560	615.8 3,973	4.28 0.40	7.85 2.39	9,589 399,100	639.3 10,480	10.26 26.06		50 345	
36 914	0.375 9.525	142.8 212.5	35.25 895.4	41.97 270.8	1,018 6,567	975.9 6,296	6.78 0.63	9.43 2.87	6,659 277,200	369.9 6,062	12.60 31.99	Not Available	60 414	60 414
	0.500 12.700	189.8 282.4	35.00 889.0	55.76 359.8	1,018 6,567	962.1 6,207	6.68 0.62	9.43 2.87	8,786 365,700	488.1 7,999	12.55 31.88		60 414	60 414
	0.625 15.875	236.4 351.7	34.75 882.7	69.46 448.1	1,018 6,567	948.4 6,119	6.59 0.61	9.43 2.87	10,870 452,400	603.8 9,894	12.51 31.77		60 414	60 414
	0.750 19.050	282.6 420.6	34.50 876.3	83.06 535.8	1,018 6,567	934.8 6,031	6.49 0.60	9.43 2.87	12,910 537,200	717.0 11,750	12.47 31.66		60 414	60 414
	0.875 22.225	328.6 488.9	34.25 870.0	96.55 622.9	1,018 6,567	921.3 5,944	6.40 0.59	9.43 2.87	14,900 620,200	827.8 13,560	12.42 31.55		50 345	60 414
	1.000 25.400	374.2 556.8	34.00 863.6	110.0 709.4	1,018 6,567	907.9 5,858	6.31 0.59	9.43 2.87	16,850 701,400	936.2 15,340	12.38 31.44		50 345	60 414

Steel Pipe

Diameter	Wall	Weight	Inside Diameter	Cross Sectional Area	Total Area of Pile	Internal Area	Internal Volume	External Coating Area	Moment of Inertia	Section Modulus	Radius of Gyration	Maximum Available Yield Strength of A252		
												ERW	SW	R&W
												ksi (MPa)		
42 1067	0.375 9.525	166.9 248.3	41.25 1,048	49.04 316.4	1,385 8,938	1,336 8,622	9.28 0.86	11.00 3.35	10,620 442,100	505.8 8,288	14.72 37.38	Not Available	60 414	60 414
	0.500 12.700	221.8 330.1	41.00 1,041	65.19 420.6	1,385 8,938	1,320 8,518	9.17 0.85	11.00 3.35	14,040 584,200	668.4 10,950	14.67 37.27		60 414	60 414
	0.625 15.875	276.4 411.4	40.75 1,035	81.24 524.1	1,385 8,938	1,304 8,414	9.06 0.84	11.00 3.35	17,390 723,700	828.0 13,570	14.63 37.16		60 414	60 414
	0.750 19.050	330.7 492.2	40.50 1,029	97.19 627.1	1,385 8,938	1,288 8,311	8.95 0.83	11.00 3.35	20,680 860,700	984.7 16,140	14.59 37.05		60 414	60 414
	0.875 22.225	384.7 572.4	40.25 1,022	113.0 729.3	1,385 8,938	1,272 8,209	8.84 0.82	11.00 3.35	23,910 995,200	1,139 18,660	14.54 36.94		50 345	60 414
	1.000 25.400	438.3 652.2	40.00 1,016	128.8 831.0	1,385 8,938	1,257 8,107	8.73 0.81	11.00 3.35	27,080 1,127,000	1,290 21,130	14.50 36.83		50 345	60 414
48 1219	0.375 9.525	190.9 284.1	47.25 1,200	56.11 362.0	1,810 11,670	1,753 11,310	12.18 1.13	12.57 3.83	15,910 662,200	662.8 10,860	16.84 42.77	Not Available	60 414	60 414
	0.500 12.700	253.9 377.8	47.00 1,194	74.61 481.4	1,810 11,670	1,735 11,190	12.05 1.12	12.57 3.83	21,050 876,000	876.9 14,370	16.79 42.66		60 414	60 414
	0.625 15.875	316.5 471.0	46.75 1,187	93.02 600.1	1,810 11,670	1,717 11,070	11.92 1.11	12.57 3.83	26,100 1,086,000	1,088 17,820	16.75 42.55		60 414	60 414
	0.750 19.050	378.8 563.7	46.50 1,181	111.3 718.3	1,810 11,670	1,698 10,960	11.79 1.10	12.57 3.83	31,080 1,294,000	1,295 21,220	16.71 42.44		60 414	60 414
	0.875 22.225	440.8 656.0	46.25 1,175	129.5 835.8	1,810 11,670	1,680 10,840	11.67 1.08	12.57 3.83	35,970 1,497,000	1,499 24,560	16.66 42.33		60 414	60 414
	1.000 25.400	502.4 747.7	46.00 1,168	147.7 952.6	1,810 11,670	1,662 10,720	11.54 1.07	12.57 3.83	40,790 1,698,000	1,700 27,850	16.62 42.22		60 414	60 414
	1.250 31.750	624.7 929.6	45.50 1,156	183.6 1,184	1,810 11,670	1,626 10,490	11.29 1.05	12.57 3.83	50,190 2,089,000	2,091 34,270	16.53 42.00		Not Available	60 414
	1.375 34.925	685.3 1,020	45.25 1,149	201.4 1,299	1,810 11,670	1,608 10,380	11.17 1.04	12.57 3.83	54,780 2,280,000	2,282 37,400	16.49 41.89		60 414	60 414
54 1372	0.375 9.525	215.0 319.9	53.25 1,353	63.18 407.6	2,290 14,780	2,227 14,370	15.47 1.44	14.14 4.31	22,710 945,300	841.1 13,780	18.96 48.16	Not Available	60 414	70 483
	0.500 12.700	286.0 425.5	53.00 1,346	84.04 542.2	2,290 14,780	2,206 14,230	15.32 1.42	14.14 4.31	30,070 1,252,000	1,114 18,250	18.92 48.05		60 414	70 483
	0.625 15.875	356.6 530.7	52.75 1,340	104.8 676.1	2,290 14,780	2,185 14,100	15.18 1.41	14.14 4.31	37,330 1,554,000	1,382 22,650	18.87 47.94		60 414	70 483
	0.750 19.050	426.9 635.3	52.50 1,334	125.5 809.5	2,290 14,780	2,165 13,970	15.03 1.40	14.14 4.31	44,480 1,851,000	1,647 27,000	18.83 47.82		60 414	70 483
	0.875 22.225	496.9 739.5	52.25 1,327	146.0 942.2	2,290 14,780	2,144 13,830	14.89 1.38	14.14 4.31	51,530 2,145,000	1,909 31,280	18.79 47.71		60 414	70 483
	1.000 25.400	566.6 843.12	52.00 1,321	166.5 1,074	2,290 14,780	2,124 13,700	14.75 1.37	14.14 4.31	58,480 2,434,000	2,166 35,500	18.74 47.60		60 414	70 483
	1.250 31.750	704.9 1,049	51.50 1,308	207.1 1,336	2,290 14,780	2,083 13,440	14.47 1.34	14.14 4.31	72,090 3,001,000	2,670 43,750	18.66 47.38		Not Available	60 414
	1.375 34.925	773.5 1,151	51.25 1,302	227.3 1,467	2,290 14,780	2,063 13,310	14.33 1.33	14.14 4.31	78,750 3,278,000	2,917 47,790	18.61 47.27		60 414	60 414
60 1524	0.375 9.525	239.0 355.7	59.25 1,505	70.24 453.2	2,827 18,240	2,757 17,790	19.15 1.78	15.71 4.79	31,220 1,299,000	1,041 17,050	21.08 53.55	Not Available	Not Available	70 483
	0.500 12.700	318.0 473.3	59.00 1,499	93.46 603.0	2,827 18,240	2,734 17,640	18.99 1.76	15.71 4.79	41,360 1,722,000	1,379 22,590	21.04 53.43		60 414	70 483
	0.625 15.875	396.7 590.3	58.75 1,492	116.6 752.1	2,827 18,240	2,711 17,490	18.83 1.75	15.71 4.79	51,380 2,139,000	1,713 28,070	20.99 53.32		60 414	70 483
	0.750 19.050	475.0 706.9	58.50 1,486	139.6 900.7	2,827 18,240	2,688 17,340	18.67 1.73	15.71 4.79	61,270 2,550,000	2,042 33,470	20.95 53.21		60 414	70 483
	0.875 22.225	553.0 823.0	58.25 1,480	162.5 1,049	2,827 18,240	2,665 17,190	18.51 1.72	15.71 4.79	71,040 2,957,000	2,368 38,800	20.91 53.10		60 414	70 483
	1.000 25.400	630.7 938.6	58.00 1,473	185.4 1,196	2,827 18,240	2,642 17,050	18.35 1.71	15.71 4.79	80,680 3,358,000	2,689 44,070	20.86 52.99		60 414	70 483

Steel Pipe

Diameter in mm	Wall in mm	Weight lb/ft kg/m	Inside Diameter in mm	Cross Sectional Area in ² cm ²	Total Area of Pile in ² cm ²	Internal Area in ² cm ²	Internal Volume ft ³ /ft m ³ /m	External Coating Area ft ² /ft m ² /m	Moment of Inertia in ⁴ cm ⁴	Section Modulus in ³ cm ³	Radius of Gyration in cm	Maximum Available Yield Strength of A252		
												ERW	SW	R&W
												ksi (MPa)		
60 1524	1.250 31.750	785.1 1,168	57.50 1,461	230.7 1,488	2,827 18,240	2,597 16,750	18.03 1.68	15.71 4.79	99,580 4,145,000	3,319 54,400	20.78 52.77	Not Available	Not Available	70 483
	1.500 38.100	938.1 1,396	57.00 1,448	275.7 1,779	2,827 18,240	2,552 16,460	17.72 1.65	15.71 4.79	118,000 4,912,000	3,934 64,460	20.69 52.55			60 414
72 1829	0.375 9.525	287.1 427.3	71.25 1,810	84.38 544.4	4,072 26,270	3,987 25,720	27.69 2.57	18.85 5.75	54,110 2,252,000	1,503 24,630	25.32 64.32	Not Available	Not Available	70 483
	0.500 12.700	382.2 568.7	71.00 1,803	112.3 724.6	4,072 26,270	3,959 25,540	27.49 2.55	18.85 5.75	71,770 2,987,000	1,994 32,670	25.28 64.21			70 483
	0.625 15.875	476.9 709.6	70.75 1,797	140.1 904.2	4,072 26,270	3,931 25,360	27.30 2.54	18.85 5.75	89,250 3,715,000	2,479 40,630	25.24 64.10		60 414	70 483
	0.750 19.050	571.3 850.1	70.50 1,791	167.9 1,083	4,072 26,270	3,904 25,180	27.11 2.52	18.85 5.75	106,500 4,435,000	2,960 48,500	25.19 63.99		60 414	70 483
	0.875 22.225	665.3 990.0	70.25 1,784	195.5 1,261	4,072 26,270	3,876 25,010	26.92 2.50	18.85 5.75	123,700 5,147,000	3,435 56,290	25.15 63.88		60 414	70 483
	1.000 25.400	759.0 1,129	70.00 1,778	223.1 1,439	4,072 26,270	3,848 24,830	26.73 2.48	18.85 5.75	140,600 5,851,000	3,905 63,990	25.10 63.77		60 414	70 483
	1.250 31.750	945.4 1,407	69.50 1,765	277.8 1,792	4,072 26,270	3,794 24,480	26.34 2.45	18.85 5.75	173,900 7,238,000	4,830 79,160	25.02 63.55		Not Available	60 414
	1.500 38.100	1,130 1,682	69.00 1,753	332.2 2,143	4,072 26,270	3,739 24,120	25.97 2.41	18.85 5.75	206,500 8,595,000	5,736 94,000	24.93 63.33		Not Available	60 414
84 2134	0.375 9.525	335.2 498.9	83.25 2,115	98.52 635.6	5,542 35,750	5,443 35,120	37.80 3.51	21.99 6.70	86,120 3,585,000	2,050 33,600	29.57 75.10	Not Available	Not Available	70 483
	0.500 12.700	446.3 664.2	83.00 2,108	131.2 846.2	5,542 35,750	5,411 35,910	37.57 3.49	21.99 6.70	114,300 4,758,000	2,722 44,600	29.52 74.99			70 483
	0.625 15.875	557.1 829.0	82.75 2,102	163.7 1,056	5,542 35,750	5,378 34,700	37.35 3.47	21.99 6.70	142,300 5,921,000	3,387 55,500	29.48 74.87		60 414	70 483
	0.750 19.050	667.5 993.3	82.50 2,096	196.2 1,266	5,542 35,750	5,346 34,490	37.12 3.45	21.99 6.70	169,900 7,074,000	4,046 66,310	29.43 74.76		60 414	70 483
	0.875 22.225	777.5 1,157	82.25 2,089	228.5 1,474	5,542 35,750	5,313 34,280	36.90 3.43	21.99 6.70	197,400 8,216,000	4,700 77,010	29.39 74.65		60 414	70 483
	1.000 25.400	887.3 1,320	82.00 2,083	260.8 1,682	5,542 35,750	5,281 34,070	36.67 3.41	21.99 6.70	224,600 9,347,000	5,347 87,620	29.35 74.54		60 414	70 483
	1.250 31.750	1,106 1,645	81.50 2,070	325.0 2,097	5,542 35,750	5,217 33,660	36.23 3.37	21.99 6.70	278,200 11,580,000	6,624 108,500	29.26 74.32		Not Available	70 483
	1.500 38.100	1,323 1,969	81.00 2,057	388.8 2,508	5,542 35,750	5,153 33,250	35.78 3.32	21.99 6.70	330,900 13,770,000	7,878 129,100	29.17 74.10			70 483
	1.625 41.275	1,431 2,129	80.75 2,051	420.5 2,713	5,542 35,750	5,121 33,040	35.56 3.30	21.99 6.70	356,800 14,850,000	8,496 139,200	29.13 73.99			70 483
96 2438	0.375 9.525	383.3 570.4	95.25 2,419	112.7 726.8	7,238 46,700	7,126 45,970	49.48 4.60	25.13 7.66	128,800 5,360,000	2,683 43,960	33.81 85.87	Not Available	Not Available	70 483
	0.500 12.700	510.5 759.6	95.00 2,413	150.0 967.8	7,238 46,700	7,088 45,730	49.22 4.57	25.13 7.66	171,000 7,118,000	3,563 58,390	33.76 85.76			70 483
	0.625 15.875	637.2 948.3	94.75 2,407	187.3 1,208	7,238 46,700	7,051 45,490	48.97 4.55	25.13 7.66	212,900 8,863,000	4,436 72,700	33.72 85.65		60 414	70 483
	0.750 19.050	763.7 1,136	94.50 2,400	224.4 1,448	7,238 46,700	7,014 45,250	48.71 4.53	25.13 7.66	254,500 10,590,000	5,303 86,900	33.68 85.54		60 414	70 483
	0.875 22.225	889.8 1,324	94.25 2,394	261.5 1,687	7,238 46,700	6,977 45,010	48.45 4.50	25.13 7.66	295,800 12,310,000	6,162 101,000	33.63 85.43		60 414	70 483
	1.000 25.400	1,016 1,511	94.00 2,388	298.5 1,925	7,238 46,700	6,940 44,770	48.19 4.48	25.13 7.66	336,700 14,020,000	7,015 115,000	33.59 85.32		60 414	70 483
	1.250 31.750	1,266 1,884	93.50 2,375	372.1 2,401	7,238 46,700	6,866 44,300	47.68 4.43	25.13 7.66	417,600 17,380,000	8,700 142,600	33.50 85.10		Not Available	70 483
	1.500 38.100	1,515 2,255	93.00 2,362	445.3 2,873	7,238 46,700	6,793 43,830	47.17 4.38	25.13 7.66	497,200 20,700,000	10,360 169,800	33.42 84.87			70 483
	1.750 44.450	1,763 2,624	92.50 2,350	518.2 3,343	7,238 46,700	6,720 43,360	46.67 4.34	25.13 7.66	575,600 23,960,000	11,990 196,500	33.33 84.65			70 483
	2.000 50.800	2,010 2,991	92.00 2,337	590.6 3,810	7,238 46,700	6,648 42,890	46.16 4.29	25.13 7.66	652,600 27,160,000	13,600 222,800	33.24 84.43			70 483

Steel Pipe

Diameter in mm	Wall in mm	Weight lb/ft kg/m	Inside Diameter in mm	Cross Sectional Area in ² cm ²	Total Area of Pile in ² cm ²	Internal Area in ² cm ²	Internal Volume ft ³ /ft m ³ /m	External Coating Area ft ² /ft m ² /m	Moment of Inertia in ⁴ cm ⁴	Section Modulus in ³ cm ³	Radius of Gyration in cm	Maximum Available Yield Strength of A252			
												ERW	SW	R&W	
												ksi (MPa)			
108 2743	0.375 9.525	431.4 642.0	107.3 2,724	126.8 818.0	9,161 59,100	9,034 58,280	62.74 5.83	28.27 8.62	183,600 7,641,000	3400 55,710	38.05 96.65	Not Available	Not Available	70 483	
	0.500 12.700	574.6 855.1	107.0 2,718	168.9 1,089	9,161 59,100	8,992 58,010	62.44 5.80	28.27 8.62	243,900 10,150,000	4,517 74,020	38.01 96.54			70 483	
	0.625 15.875	717.4 1,068	106.8 2,711	210.8 1,360	9,161 59,100	8,950 57,740	62.15 5.77	28.27 8.62	303,900 12,650,000	5,627 92,210	37.96 96.43			60 414	70 483
	0.750 19.050	859.9 1,280	106.5 2,705	252.7 1,630	9,161 59,100	8,908 57,470	61.86 5.75	28.27 8.62	363,400 15,120,000	6,729 110,300	37.92 96.32			60 414	70 483
	0.875 22.225	1,002 1,491	106.3 2,699	294.5 1,900	9,161 59,100	8,866 57,200	61.57 5.72	28.27 8.62	422,400 17,580,000	7,823 128,200	37.88 96.20			60 414	70 483
	1.000 25.400	1,144 1,702	106.0 2,692	336.2 2,169	9,161 59,100	8,825 56,930	61.28 5.69	28.27 8.62	481,100 20,030,000	8,910 146,000	37.83 96.09			60 414	70 483
	1.250 31.750	1,426 2,123	105.5 2,680	419.2 2,705	9,161 59,100	8,742 56,400	60.71 5.64	28.27 8.62	597,200 24,860,000	11,060 181,200	37.74 95.87			Not Available	70 483
	1.500 38.100	1,708 2,541	105.0 2,667	501.9 3,238	9,161 59,100	8,659 55,860	60.13 5.59	28.27 8.62	711,700 29,620,000	13,180 216,000	37.66 95.65				70 483
	1.750 44.450	1,988 2,958	104.5 2,654	584.1 3,769	9,161 59,100	8,577 55,330	59.56 5.53	28.27 8.62	824,500 34,320,000	15,268.94 250,200	37.57 95.43				70 483
	2.000 50.800	2,266 3,372	104.0 2,642	666.0 4,297	9,161 59,100	8,495 54,810	58.99 5.48	28.27 8.62	935,800 38,950,000	17,330 284,000	37.48 95.21				70 483
120 3048	0.375 9.525	479.6 713.6	119.3 3,029	140.9 909.2	11,310 72,970	11,170 72,060	77.56 7.21	31.42 9.58	252,100 10,490,000	4,202 68,850	42.29 107.4	Not Available	Not Available	70 483	
	0.500 12.700	638.7 950.5	119.0 3,023	187.7 1,211	11,310 72,970	11,120 71,750	77.24 7.18	31.42 9.58	335,100 13,950,000	5,585 91,510	42.25 107.3			70 483	
	0.625 15.875	797.6 1,187	118.8 3,016	234.4 1,512	11,310 72,970	11,080 71,450	76.91 7.15	31.42 9.58	417,500 17,380,000	6,959 114,000	42.21 107.2			60 414	70 483
	0.750 19.050	956.1 1,423	118.5 3,010	281.0 1,813	11,310 72,970	11,030 71,150	76.59 7.12	31.42 9.58	499,500 20,790,000	8,325 136,400	42.16 107.1			60 414	70 483
	0.875 22.225	1,114 1,658	118.3 3,004	327.5 2,113	11,310 72,970	10,980 70,850	76.27 7.09	31.42 9.58	580,900 24,180,000	9,682 158,700	42.12 107.0			60 414	70 483
	1.000 25.400	1,272 1,893	118.0 2,997	373.8 2,412	11,310 72,970	10,940 70,550	75.94 7.06	31.42 9.58	661,800 27,550,000	11,030 180,800	42.07 106.9			60 414	70 483
	1.250 31.750	1,587 2,361	117.5 2,985	466.3 3,009	11,310 72,970	10,840 69,960	75.30 7.00	31.42 9.58	822,100 34,220,000	13,700 224,500	41.99 106.6			Not Available	70 483
	1.500 38.100	1,900 2,828	117.0 2,972	558.4 3,603	11,310 72,970	10,750 69,360	74.66 6.94	31.42 9.58	980,300 40,800,000	16,340 267,700	41.90 106.4				70 483
	1.750 44.450	2,212 3,292	116.5 2,959	650.1 4,194	11,310 72,970	10,660 68,770	74.03 6.88	31.42 9.58	1,137,000 47,310,000	18,940 310,400	41.81 106.2				70 483
	2.000 50.800	2,523 3,754	116.0 2,946	741.4 4,783	11,310 72,970	10,570 68,180	73.39 6.82	31.42 9.58	1,291,000 53,730,000	21,510 352,500	41.73 106.0				70 483
132 3353	0.500 12.700	702.9 1,046	131.0 3,327	206.6 1,333	13,680 88,290	13,480 86,960	93.60 8.70	34.56 10.53	446,500 18,580,000	6,765 110,900	46.49 118.1	Not Available	Not Available	70 483	
	0.625 15.875	877.8 1,306	130.8 3,321	258.0 1,664	13,680 88,290	13,430 86,620	93.24 8.66	34.56 10.53	556,500 23,160,000	8,432 138,200	46.45 118.0			70 483	
	0.750 19.050	1,052 1,566	130.5 3,315	309.3 1,995	13,680 88,290	13,380 86,290	92.89 8.63	34.56 10.53	665,900 27,720,000	10,090 165,300	46.40 117.9			70 483	
	0.875 22.225	1,227 1,825	130.3 3,308	360.4 2,325	13,680 88,290	13,320 85,960	92.53 8.60	34.56 10.53	774,700 32,250,000	11,740 192,400	46.36 117.8			70 483	
	1.000 25.400	1,400 2,084	130.0 3,302	411.5 2,655	13,680 88,290	13,270 85,630	92.18 8.56	34.56 10.53	882,900 36,750,000	13,380 219,200	46.32 117.6			70 483	
	1.250 31.750	1,747 2,600	129.5 3,289	513.5 3,313	13,680 88,290	13,170 84,980	91.47 8.50	34.56 10.53	1,097,000 45,670,000	16,630 272,500	46.23 117.4			70 483	
	1.500 38.100	2,093 3,114	129.0 3,277	615.0 3,968	13,680 88,290	13,070 84,320	90.76 8.43	34.56 10.53	1,309,000 54,500,000	19,840 325,100	46.14 117.2			70 483	
	1.750 44.450	2,437 3,626	128.5 3,264	716.1 4,620	13,680 88,290	12,970 83,670	90.06 8.37	34.56 10.53	1,519,000 63,220,000	23,010 377,100	46.05 117.0			70 483	
	2.000 50.800	2,779 4,136	128.0 3,251	816.8 5,270	13,680 88,290	12,870 83,020	89.36 8.30	34.56 10.53	1,726,000 71,840,000	26,150 428,500	45.97 116.8			70 483	

Steel Pipe

Diameter in mm	Wall in mm	Weight lb/ft kg/m	Inside Diameter in mm	Cross Sectional Area in ² cm ²	Total Area of Pile in ² cm ²	Internal Area in ² cm ²	Internal Volume ft ³ /ft m ³ /m	External Coating Area ft ² /ft m ² /m	Moment of Inertia in ⁴ cm ⁴	Section Modulus in ³ cm ³	Radius of Gyration in cm	Maximum Available Yield Strength of A252		
												ERW	SW	R&W
												ksi (MPa)		
144 3658	0.625 15.875	957.9 1,426	142.8 3,626	281.5 1,816	16,290 105,100	16,000 103,300	111.1 10.33	37.70 11.49	723,400 30,110,000	10,050 164,600	50.69 128.8	Not Available	Not Available	70 483
	0.750 19.050	1,149 1,709	142.5 3,620	337.5 2,178	16,290 105,100	15,950 102,900	110.8 10.29	37.70 11.49	865,800 36,040,000	12,020 197,100	50.65 128.6			70 483
	0.875 22.225	1,339 1,992	142.3 3,613	393.4 2,538	16,290 105,100	15,890 102,500	110.4 10.25	37.70 11.49	1,007,000 41,930,000	13,990 229,300	50.60 128.5			70 483
	1.000 25.400	1,529 2,275	142.0 3,607	449.2 2,898	16,290 105,100	15,840 102,200	110.0 10.22	37.70 11.49	1,148,000 47,800,000	15,950 261,400	50.56 128.4			70 483
	1.250 31.750	1,908 2,839	141.5 3,594	560.6 3,617	16,290 105,100	15,730 101,500	109.2 10.15	37.70 11.49	1,428,000 59,440,000	19,830 325,000	50.47 128.2			70 483
	1.500 38.100	2,285 3,400	141.0 3,581	671.5 4,332	16,290 105,100	15,610 100,700	108.4 10.07	37.70 11.49	1,705,000 70,950,000	23,680 388,000	50.38 128.0			70 483
	1.750 44.450	2,661 3,960	140.5 3,569	782.1 5,046	16,290 105,100	15,500 100,000	107.7 10.00	37.70 11.49	1,978,000 82,350,000	27,480 450,300	50.30 127.8			70 483
	2.000 50.800	3,036 4,518	140.0 3,556	892.2 5,756	16,290 105,100	15,390 99,310	106.9 9.93	37.70 11.49	2,249,000 93,620,000	31,240 511,900	50.21 127.5			70 483
156 3962	0.625 15.875	1,038 1,545	154.8 3,931	305.1 1,968	19,110 123,300	18,810 121,300	130.6 12.13	40.84 12.45	920,600 38,320,000	11800 193,400	54.93 139.5	Not Available	Not Available	80 552
	0.750 19.050	1,245 1,852	154.5 3,924	365.8 2,360	19,110 123,300	18,750 121,000	130.2 12.10	40.84 12.45	1,102,000 45,870,000	14,130 231,500	54.89 139.4			80 552
	0.875 22.225	1,451 2,159	154.3 3,918	426.4 2,751	19,110 123,300	18,690 120,600	129.8 12.06	40.84 12.45	1,283,000 53,390,000	16,440 269,500	54.85 139.3			80 552
	1.000 25.400	1,657 2,466	154.0 3,912	486.9 3,142	19,110 123,300	18,630 120,200	129.4 12.02	40.84 12.45	1,462,000 60,870,000	18,750 307,200	54.80 139.2			80 552
	1.250 31.750	2,068 3,077	153.5 3,899	607.7 3,921	19,110 123,300	18,510 119,400	128.5 11.94	40.84 12.45	1,819,000 75,720,000	23,320 382,200	54.71 139.0			80 552
	1.500 38.100	2,477 3,687	153.0 3,886	728.1 4,697	19,110 123,300	18,390 118,600	127.7 11.86	40.84 12.45	2,173,000 90,430,000	27,850 456,400	54.63 138.8			80 552
	1.750 44.450	2,886 4,294	152.5 3,874	848.0 5,471	19,110 123,300	18,270 117,800	126.8 11.78	40.84 12.45	2,522,000 105,000,000	32,339.61 530,000	54.54 138.5			80 552
	2.000 50.800	3,293 4,900	152.0 3,861	967.6 6,243	19,110 123,300	18,150 117,100	126.0 11.71	40.84 12.45	2,869,000 119,400,000	36,780 602,700	54.45 138.3			80 552
168 4267	0.750 19.050	1,341 1,995	166.5 4,229	394.1 2,542	22,170 143,000	21,770 140,500	151.2 14.05	43.98 13.41	1,378,000 57,350,000	16,400 268,800	59.13 150.2	Not Available	Not Available	80 552
	0.875 22.225	1,563 2,326	166.3 4,223	459.4 2,964	22,170 143,000	21,710 140,000	150.7 14.00	43.98 13.41	1,604,000 66,760,000	19,100 312,900	59.09 150.1			80 552
	1.000 25.400	1,785 2,657	166.0 4,216	524.6 3,385	22,170 143,000	21,640 139,600	150.3 13.96	43.98 13.41	1,829,000 76,130,000	21,770 356,800	59.04 150.0			80 552
	1.250 31.750	2,228 3,316	165.5 4,204	654.8 4,225	22,170 143,000	21,510 138,800	149.4 13.88	43.98 13.41	2,276,000 94,740,000	27,100 444,000	58.96 149.7			80 552
	1.500 38.100	2,670 3,973	165.0 4,191	784.6 5,062	22,170 143,000	21,380 138,000	148.5 13.80	43.98 13.41	2,719,000 113,200,000	32,370 530,500	58.87 149.5			80 552
	1.750 44.450	3,110 4,628	164.5 4,178	914.0 5,897	22,170 143,000	21,250 137,100	147.6 13.71	43.98 13.41	3,158,000 131,500,000	37,600 616,100	58.78 149.3			80 552
	2.000 50.800	3,549 5,281	164.0 4,166	1,043 6,729	22,170 143,000	21,120 136,300	146.7 13.63	43.98 13.41	3,593,000 149,600,000	42,780 701,000	58.69 149.1			80 552

For diameters over 168" or thicknesses over 2", please inquire.

Steel Pipe

Steel Pipe Specification

When specifying steel pipe, it is important to note that there are often multiple ASTM specifications involved. Steel coil, for the production of ERW and spiralweld pipe, is manufactured to A1011 and A1018. This coil is often made to meet the physical and chemical requirements of steel grades like A36, A572, and A709.

Pipe manufacturing specifications are different than steel specifications and fall under specifications like A139 and A252. These specifications control the manufacturing tolerances of the pipe.

If the designer requires a steel grade that is more specific than the requirements that are described in A252 or other pipe manufacturing specifications, it would be acceptable to specify steel pipe like below.

A252 Gr. 3 with physical and chemical requirements that meet A572 Gr. 55.

Additional Capabilities

- Installation of: Bands, Cutting Shoes, End Plates, Carbide Teeth, Rolled Channel and Angle Iron, Twisting Slots, Picking Eyes, Lifting Lugs, etc.
- Fabrication of Segmented Fittings: Elbows, Wyes, Laterals, Tees, Concentric and Eccentric Reducers.
- Manufacturers of concentric tapered pipe from .250" to 2" wall thickness.
- Pipe manufactured to American Welding Society standards. Structural welding code AWS D1.1 or D1.5 is also available.

Pipe Manufacturing Specifications

	Yield Strength		PIPE		
	ksi	MPa	ERW	Spiralweld	Rolled & Welded
A134				✓	
A139 Grade A	30	205		✓	✓
A139 Grade B	35	240		✓	✓
A139 Grade C	42	290		✓	✓
A139 Grade D	46	315		✓	✓
A139 Grade E	52	360		✓	✓
A252 Grade 1	30	205	✓	✓	✓
A252 Grade 2	35	240	✓	✓	✓
A252 Grade 3	45	310	✓	✓	✓
A252 Grade 3 (mod)*	50	345	✓	✓	✓
A500 Grade A	33	288	✓		
A500 Grade B	42	290	✓		
A500 Grade C	46	317	✓		
A500 Grade D	36	250	✓		
AWWA C200				✓	

Steel Specifications

	Yield Strength		PIPE		
	ksi	MPa	ERW	Spiralweld	Rolled & Welded
A36	36	250			✓
A516 Grade 55	30	205			✓
A516 Grade 60	32	220			✓
A516 Grade 65	35	240			✓
A516 Grade 70	38	260			✓
A572 Grade 42	42	290	✓	✓	✓
A572 Grade 50	50	345	✓	✓	✓
A572 Grade 55	55	380	✓	✓	✓
A572 Grade 60	60	415	✓	✓	✓
A572 Grade 65	65	450	✓	✓	✓
A588	50	345	✓	✓	✓
A690*	50	390	✓	✓	
A709	50	345	✓	✓	
A1011	50	345	✓	✓	
A1018	50	345	✓	✓	

*For availability of other yield strengths, please contact Nucor Skyline.

Delivery Conditions & Tolerances**

	A139	A252	A500	A1085	AWWA C200
Outside Diameter	± 1%	± 1%	± 0.75%	± 0.75%	+1/8" / -1/16"
Thickness	- 12.5%	- 12.5%	±10%	+10% / -5%	+10% / -5%
Weight	+10% / -5%	+10% / -5%	±10%	+10% / -3.5%	+10% / -5%
Length	± 1/2"	± 1"	+3/4" / -1/4"	+3/4" / -1/4"	± 2"

**Different conditions and tolerances vary based on diameter, length, and project requirements. Please inquire for additional information.

Maximum Rolled Lengths***

ERW (16" OD and under)	90 ft	27.4 m
ERW (18" OD and over)	115 ft	31.1 m
Spiralweld	130 ft	39.6 m
Rolled & Welded	120 ft	36.6 m

***Please inquire for longer lengths.