Diameter in mm	Wall in mm	Weight lb/ft kg/m	Inside Diameter in mm	Cross Sectional Area in² cm²	Total Area of Pile in² cm²	Internal Area in² cm²	Internal Volume ft³/ft m³/m	External Coating Area ft²/ft m²/m	Moment of Inertia in⁴ cm⁴	Section Modulus in³ cm³	Radius of Gyration in cm	Maximum Available Yield Strength of A252 ksi (MPa) ERW	SW	R&W
2 3/8 **60**	0.10 2.769	2.64 3.93	2.1 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	1.8 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	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		

Diameter in mm	Wall in mm	Weight lb/ft kg/m	Inside Diameter in mm	Cross Sectional Area in² cm²	Total Area of Pile in² cm²	Internal Area in² cm²	Internal Volume ft³/ft m³/m	External Coating Area ft²/ft m²/m	Moment of Inertia in⁴ cm⁴	Section Modulus in³ cm³	Radius of Gyration in cm	Maximum Available Yield Strength of A252 ksi (MPa) ERW	SW	R&W
7 178	0.250 6.350	18.0 26.84	6.50 165.1	5.30 34.20	38.48 248.3	33.1 214.1	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 17 2 .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	5 4.24 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 4.7 75	16.96 25.23	8.25 209.5	4.98 32.15	58.43 376.9	53.44 344.8	0.37 1 1 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 .4 4	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 32 2 .8	0.3474 0.0323	2.26 0.69	7 2 .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 .7 1	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 6 4.63	7.63 193.7	12.76 82.34	58.43 376.9	45.66 294.6	0.3 17 1 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 .7 2 275.6	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	7 2 .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 2 28.6	9.13 58.89	7 2 .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 70.3 1	7 2 .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 7 2 .58	8.63 219.1	14.33 92.47	7 2 .76 469.4	58.43 376.9	0.4057 0.0377	2.52 0.77	149.6 6,228	31.09 509.5	3.23 8.21	80 552		
	0.5 45 13.843	52.90 78.72	8.54 2 16.8	15.55 100.3	7 2 .76 469.4	57.21 3 6 9.1	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	78.5 4 506.7	0.5 45 4 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	2 12 .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 .7 7 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 6 41 .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 9 1 .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	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
in mm	in mm	lb/ft kg/m	in mm	in² cm²	in² cm²	in² cm²	ft³/ft m³/m	ft²/ft m²/m	in⁴ cm⁴	in³ cm³	in cm	ksi (MPa)		
12 3/4 324	0.250 6.350	33.4 49.71	12.2 311.2	9.82 63.34	127. 823.7	117 760.4	0.819 0.076	3.34 1.02	19 1 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	4 9. 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 7 18.0	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	0.7 7 7 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. 07 0	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 5 4.68	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 6 7.9 4	13.38 339.8	13.42 86.56	153.9 993.1	140.5 906.6	0 .9 76 0.091	3.67 1.12	314.4 13,090	44.91 736.0	4.84 12.30	70 483		
	0.375 9.525	5 4.62 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	37 2 .8 15,520	53.25 87 2 .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 87 2 .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 ,37 7	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 1 18.8	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 1 5 7.1	201.1 1,297	176.7 1,140	1.227 0.114	4.19 1.28	731.9 30,470	9 1 .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 8 9.9 4	254.5 1 ,6 42	240.5 1,552	1.670 0.155	4.71 1.44	549.1 2 2 ,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 ,6 42	237.1 1,530	1 .6 47 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 ,6 42	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	93.5 4 139.2	17.00 43 1 .8	27.49 177.3	254.5 1 ,6 42	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 17 2 .8	16.75 425.5	34.12 220.1	254.5 1 ,6 42	220.4 1,422	1.530 0.142	4.71 1.44	1,289 53,660	143.2 2 ,3 47	6.15 15.61	Not Available	60 414	

Diameter in mm	Wall in mm	Weight lb/ft kg/m	Inside Diameter in mm	Cross Sectional Area in² cm²	Total Area of Pile in² cm²	Internal Area in² cm²	Internal Volume ft³/ft m³/m	External Coating Area ft²/ft m²/m	Moment of Inertia in⁴ cm⁴	Section Modulus in³ cm³	Radius of Gyration in cm	Maximum Available Yield Strength of A252 ksi (MPa) ERW	SW	R&W
12 3/4 324	0.250 6.350	33.4 49.71	12.2 311.2	9.82 63.34	127. 823.7	117 760.4	0.819 0.076	3.34 1.02	19 1 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	4 9. 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 7 18.0	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	0.7 7 7 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. 07 0	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 5 4.68	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 6 7.9 4	13.38 339.8	13.42 86.56	153.9 993.1	140.5 906.6	0 .9 76 0.091	3.67 1.12	314.4 13,090	44.91 736.0	4.84 12.30	70 483		
	0.375 9.525	5 4.62 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	37 2 .8 15,520	53.25 87 2 .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 87 2 .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 ,37 7	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 1 18.8	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 1 5 7.1	201.1 1,297	176.7 1,140	1.227 0.114	4.19 1.28	731.9 30,470	9 1 .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 8 9.9 4	254.5 1 ,6 42	240.5 1,552	1.670 0.155	4.71 1.44	549.1 2 2 ,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 ,6 42	237.1 1,530	1 .6 47 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 ,6 42	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	93.5 4 139.2	17.00 43 1 .8	27.49 177.3	254.5 1 ,6 42	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 17 2 .8	16.75 425.5	34.12 220.1	254.5 1 ,6 42	220.4 1,422	1.530 0.142	4.71 1.44	1,289 53,660	143.2 2 ,3 47	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 in² cm²	Total Area of Pile in² cm²	Internal Area in² cm²	Internal Volume ft³/ft m³/m	External Coating Area ft²/ft m²/m	Moment of Inertia in⁴ cm⁴	Section Modulus in³ cm³	Radius of Gyration in cm	Maximum Available Yield Strength of A252 ksi (MPa) ERW	SW	R&W
42 1067	0.375 9.525	166. 9 248.3	41.2 5 1,048	49.04 316.4	1,38 5 8,938	1,33 6 8,622	9.28 0.86	11.0 0 3.35	10,620 442,100	505.8 8,288	14.7 2 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 8,3 1 1	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 57 2 .4	40.25 1,022	1 13.0 729.3	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 83 1 .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 .7 7	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	2 1 ,050 876,000	8 76 .9 14,370	16.79 42 .66		60 414	60 414
	0.625 15.875	316.5 47 1 .0	46.75 1,187	93.02 600.1	1,810 11,670	1 ,7 17 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 7 18.3	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	1 6.7 1 42 .4 4		60 414	60 414
	0.875 22.225	440.8 656.0	46.25 1,175	129.5 835.8	1,810 11,670	1680 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 ,09 1 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	5 4,780 2,280,000	2 ,282 37,400	16.49 41.89			60 414
54 1372	0.375 9.525	2 15.0 319.9	53.25 1,353	63.18 407.6	2,290 14,780	2 ,2 27 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 5 42 .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 6 76 .1	2,290 14,780	2,185 14,100	15.18 1.41	14.14 4.31	37,330 1,554,000	1,382 2 2 ,650	18.87 4 7.9 4		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 ,6 47 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	2 0 7.1 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	7 73.5 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 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	1 5.7 1 4.79	31,220 1,299,000	1,041 17,050	2 1 .08 53.55	Not Available	Not Available	70 483
	0.500 12.700	3 18.0 473.3	59.00 1,499	93.46 603.0	2 ,827 18,240	2 ,73 4 17,640	18.99 1.76	1 5.7 1 4.79	41,360 1,722,000	1,379 2 2 ,590	2 1 .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	1 5.7 1 4.79	51,380 2,139,000	1 ,7 13 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	1 5.7 1 4.79	61,270 2,550,000	2 ,042 33,470	20.95 53.2 1		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	1 5.7 1 4.79	7 1 ,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 ,6 42 17,050	18.35 1.71	1 5.7 1 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 in² cm²	Total Area of Pile in² cm²	Internal Area in² cm²	Internal Volume ft³/ft m³/m	External Coating Area ft²/ft m²/m	Moment of Inertia in⁴ cm⁴	Section Modulus in³ cm³	Radius of Gyration in cm	Maximum Available Yield Strength of A252 ksi (MPa)		
												ERW	SW	R&W
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	1 5.7	99,580 4,145,000	3,3 19 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	1 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 5 4 4.4	4,072 26,270	3,987 25,720	27.69 2.57	1 5.7	54,110 2,252,000	1,503 24,630	25.32 64.32	Not Available	Not Available	70 483
	0.500 12.700	382	7 1	112.3 724.6	4,072 26,270	3,959 25,540	27.49 2.55	1 4.79	71,770 2,987,000	1,994 32,670	25.28 6 4.2 1			70 483
	0.625 15.875	.2 568.7	.00 1,803	140.1 904.2	4,072 26,270	3,931 25,360	27.30 2.54	18.8	89,250 3,7 15,000	2 ,479 40,630	25.24 64.10		60 414	70 483
	0.750 19.050	4 76	70.75 1,797	1 6	4,072 26,270	3,904 25,180	27.11 2.52	5 5.75	106,500 4,435,000	2,960 48,500	25.19 63.99		60 414	70 483
	0.875 22.225	.9 709.6	70.50 1,791	7.9 1,083	4,072 26,270	3,876 25,010	26.92 2.50	18.8	123,700 5,147,000	3,435 56,290	25.15 63.88		60 414	70 483
	1.000 25.400	57 1	70.25 1,784	195.5 1,261	4,072 26,270	3,848 24,830	26.73 2.48	5 5.75	140,600 5,851,000	3,905 63,990	25.10 63.77		60 414	70 483
	1.250 31.750	.3 850.1	70.00 1,778	223.1 1,439	4,072 26,270	3,794 24,480	26.34 2.45	18.8	173,900 7,238,000	4,830 79,160	25.02 63.55		Not Available	60 414
	1.500 38.100	665.3 990.0	69.50 1,765	277.8 1,792	4,072 26,270	3,739 24,120	25.97 2.41	5 5.75	206,500 8,595,000	5,736 94,000	24.93 63.33			60 414
84 2134	0.375 9.525	759.0 1,129	69.00 1,753	332.2 2,143	5,5 42 35,750	5,443 35,120	37.80 3.51	18.8	86,120 3,585,000	2 ,050 33,600	29.57 75.10	Not Available	Not Available	70 483
	0.500 12.700	945.4 1,407	83.25 2,115	98.52 635.6	5,5 42 35,750	5,411 34,910	37.57 3.49	5 5.75	114,300 4,758,000	2,722 44,600	29.52 74.99			70 483
	0.625 15.875	1,130 1,682	83.00 2,108	131.2 846.2	5,5 42 35,750	5,378 34,700	37.35 3.47	18.8	142,300 5,921,000	3,387 55,500	29.48 74.87		60 414	70 483
	0.750 19.050	335.2 498.9	82.75 2,102	163.7 1,056	5,5 42 35,750	5,346 34,490	37.12 3.45	5 5.75	169,900 7,074,000	4,046 66,310	29.43 74 . 76		60 414	70 483
	0.875 22.225	446.3 664.2	82.50 2,096	196.2 1,266	5,5 42 35,750	5,3 13 34,280	36.90 3.43	18.8	197,400 8,216,000	4,700 77,010	29.39 74.65		60 414	70 483
	1.000 25.400	5 5 7.1 829.0	82 .25 2 ,089	228.5 1,474 260.8 1,682	5,5 42 35,750	5,281 34,070	36.67 3.41	5 5.75	2 24,600 9,347,000	5,347 87,620	29.35 74.54		60 414	70 483
	1.250 31.750	667.5 993.3	82.00 2 ,083	325.0 2 ,097	5,5 42 35,750	5,2 17 33,660	36.23 3.37	18.8	278,200 11,580,000	6,624 108,500	29.26 74.32		Not Available	70 483
	1.500 38.100	777.5 1,157	81.50 2 ,070	388.8 2 ,508	5,5 42 35,750	5,153 33,250	35.78 3.32	5 5.75	330,900 13,770,000	7,878 129,100	29.17 74.10			70 483
	1.625 41.275	887.3 1,320	81.00 2 ,057	420.5 2 ,7 13	5,5 42 35,750	5,121 33,040	35.56 3.30	18.8	356,800 14,850,000	8,496 139,200	29.13 73.99			70 483
96 2438	0.375 9.525	1,106 1 ,6 45	80.75 2 ,051	112.7 726.8	7,238 46,700	7,126 45,970	49.48 4.60	21.9 9 6.70	128,800 5,360,000	2 ,683 43,960	33.81 85.87	Not Available	Not Available	70 483
	0.500 12.700	1,323 1,969	95.25 2,419	150.0 967.8	7,238 46,700	7,088 45,730	49.22 4.57	21.9 9 6.70	17 1 ,000 7,118,000	3,563 58,390	33.76 85.76			70 483
	0.625 15.875	1 ,43 1 2,129	95.00 2,413	187.3 1,208	7,238 46,700	7,051 45,490	48.97 4.55	21.9 9 6.70	212,900 8,863,000	4,436 72,700	33.72 85.65		60 414	70 483
	0.750 19.050	383.3 570.4	94 .7 5 2,407	224.4 1,448 261.5 1,687	7,238 46,700	7,014 45,250	48.71 4.53	21.9 9 6.70	25 4,500 10,590,000	5,303 86,900	33.68 85.5 4		60 414	70 483
	0.875 22.225	510.5 759.6	94.50 2 ,400	298.5 1,925	7,238 46,700	6,977 45,010	48.45 4.50	21.9 9 6.70	295,800 12,310,000	6,162 101,000	33.63 85.43		60 414	70 483
	1.000 25.400	637.2 948.3	94.25 2,394	372.1 2 ,401	7,238 46,700	6,940 4 4,7 70	48.19 4.48	21.9 9 6.70	336,700 14,020,000	7,015 115,000	33.59 85.32		60 414	70 483
	1.250 31.750	763.7 1,136	94.00 2 ,388	4	7,238 46,700	6,866 44,300	47.68 4.43	21.9 9 6.70	417,600 17,380,000	8,700 142 ,600	33.50 85.10		Not Available	70 483
	1.500 38.100	889.8 1,324	93.50 2,375	453 2,873	7,238 46,700	6,793 43,830	47.17 4.38	21.9 9 6.70	497,200 20,700,000	10,360 169,800	33.42 84.87			70 483
	1.750 44.450	1,016 1,511	93.00 2 ,362	518.2 3,343	7,238 46,700	6,720 43,360	46.67 4.34	21.9 9 6.70	575,600 23,960,000	11,990 196,500	33.33 84.65			70 483
	2 .000 50.800	1,266 1,884	92 .50 2 ,350	590.6	7,238 46,700	6,648 42,890	46.16 4.29	21.9 9 6.70	652 ,600 27,160,000	13,600 2 2 2 ,800	33.24 84.43			70 483
		1,515 2 ,255	92.00					21.9 9 6.70						
		1,763 2 ,624						21.9						

Diameter in mm	Wall in mm	Weight lb/ft kg/m	Inside Diameter in mm	Cross Sectional Area in² cm²	Total Area of Pile in² cm²	Internal Area in² cm²	Internal Volume ft³/ft m³/m	External Coating Area ft²/ft m²/m	Moment of Inertia in⁴ cm⁴	Section Modulus in³ cm³	Radius of Gyration in cm	Maximum Available Yield Strength of A252 ksi (MPa) ERW	SW	R&W
108 2743	0.375 9.525	43 1	107.	126.8 818.0	9,161 59,100	9,034 58,280	62	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	.4 6 42 .0	3 2 ,7 24	168.9 1,089	9,161 59,100	8,992 58,010	.74 5.83	28.27 8.62	243,900 10,150,000	4,517 74,020	38.01 96.5 4			70 483
	0.625 15.875	574.6 855.1	107.	210.8 1,360	9,161 59,100	8,950 57,740	62 .4	28.27 8.62	303,900 12,650,000	5,627 92 ,2 10	37.96 96.43		60 414	70 483
	0.750 19.050	717.4 1,068	0 2 ,7 18	252	9,161 59,100	8,908 57,470	4 5.80	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	859.9 1,280	106.	.7 1,630	9,161 59,100	8,866 57,200	62.15 5.77	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	1,002 1 ,49 1	8 2,711	294.5 1,900	9,161 59,100	8,825 56,930	61.86 5.75	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	1,144 1,702	106.	336.2 2,169	9,161 59,100	8,742 56,400	61.57 5.72	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	1,426 2,123	5 2 ,705	419.2 2 ,705	9,161 59,100	8,659 55,860	61.28 5.69	28.27 8.62	7 1 1 ,700 29,620,000	13,180 216,000	37.66 95.65			70 483
	1.750 44.450	1,708 2 ,5 41	106. 3	501.9 3,238	9,161 59,100	8,577 55,330	6 0.7 1	28.27 8.62	824,500 34,320,000	15268.94 250,200	37.57 95.43			70 483
	2 .000 50.800	1,988 2,958	2,699 106.	584.1 3,769	9,161 59,100	8,495 54,810	5.64 60.13	28.27 8.62	935,800 38,950,000	17,330 284,000	37.48 95.2 1			70 483
120 3048	0.375 9.525	2 ,266	0 2,692	666.0 4,297	11,310 72,970	11,170 72,060	5.59 59.56	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	3,372 479.6	105.	140.9 909.2	11,310 72,970	11,120 7 1 ,750	5.53 58.99	31.42 9.58	335,100 13,950,000	5,585 9 1 ,510	42.25 107.3			70 483
	0.625 15.875	7 13.6	5 2,680	187.7 1,211	11,310 72,970	11,080 7 1 ,450	5.48 77.56	31.42 9.58	417,500 17,380,000	6,959 114,000	42 .2 1 107.2		60 414	70 483
	0.750 19.050	638.7 950.5	105.	234.4 1,512	11,310 72,970	11,030 71,150	7.21 77.24	31.42 9.58	499,500 20,790,000	8,325 136,400	42.16 1 0 7.1		60 414	70 483
	0.875 22.225	797.6 1,187	0 2 ,667	281.0 1,813	11,310 72,970	10,980 70,850	7.18 76.91	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	956.1 1,423	104. 5	327.5 2,113	11,310 72,970	10,940 70,550	7.15 76.59	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	1,114 1,658	2 ,65 4	373.8 2,412	11,310 72,970	10,840 69,960	7.12 76.27	31.42 9.58	822,100 34,220,000	13,700 2 24,500	41.99 106.6		Not Available	70 483
	1.500 38.100	1272 1,893	104.	466.3 3,009	11,310 72,970	10,750 69,360	7.09 75.94	31.42 9.58	980,300 40,800,000	16,340 267,700	41.90 106.4			70 483
	1.750 44.450	1,587 2,361	0 2 ,6 42	558.4 3,603	11,310 72,970	10,660 68,770	7.06 75.30	31.42 9.58	1,137,000 47,310,000	18,940 310,400	41.81 106.2			70 483
	2 .000 50.800	1,900 2 ,828	119. 3	650.1 4,194	11,310 72,970	10,570 68,180	7.00 74.66	31.42 9.58	1,291,000 53,730,000	2 1 ,510 352,500	41.73 106.0			70 483
132 3353	0.500 12.700	2,212 3,292	3 3,029	741.4 4,783	13,680 88,290	13,480 86,960	6.94 74.03	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	2 ,523	119. 0	206.6 1,333	13,680 88,290	13,430 86,620	6.88 73.39	34.56 10.53	556,500 23,160,000	8,432 138,200	46.45 1 18.0			70 483
	0.750 19.050	3,754 702.9	3,023 118.	258.0 1,66 4	13,680 88,290	13,380 86,290	6.82 93.60	34.56 10.53	665,900 27,720,000	10,090 165,300	46.40 117.9			70 483
	0.875 22.225	1,046 877.8	8 3,016	309.3 1,995	13,680 88,290	13,320 85,960	8.70 93.24	34.56 10.53	774,700 32,250,000	11,740 192,400	46.36 117.8			70 483
	1.000 25.400	1,306 1,052	118.	360.4 2 ,325	13,680 88,290	13,270 85,630	8.66 92	34.56 10.53	882,900 36,750,000	13,380 219,200	46.32 117.6			70 483
	1.250 31.750	1,566 1,227	5 3,010	411.5 2 ,655	13,680 88,290	13,170 84,980	.89 8.63	34.56 10.53	1,097,000 45,670,000	16,630 27 2 ,500	46.23 117.4			70 483
	1.500 38.100	1,825 1,400	1	513.5 3,3 13	13,680 88,290	13,070 84,320	92	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 ,084 1,747	18.3 3,251	615.0 3,968	13,680 88,290	12,970 83,670	.53 8.50	34.56 10.53	1,519,000 63,220,000	23,010 377,100	46.05 117.0			70 483
	2 .000 50.800	2,600 4,136	3,004 1	716.1 4,620	13,680 88,290	12 ,870 83,020	92.18 8.56	34.56 10.53	1,726,000 7 1 ,840,000	26,150 428,500	45.97 116.8			70 483
		2 ,093	18.0 2,997	816.8			9 1 .47							
		3,114 2 ,437	117. 5				8.50 90.76							
		3,626	2,985 117.				8.43 90.06							

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
in mm	in mm	lb/ft kg/m	in mm	in² cm²	in² cm²	in² cm²	ft³/ft m³/m	ft²/ft m²/m	in⁴ cm⁴	in³ cm³	in cm	ksi (MPa)		
144 3658	0.625 15.875	957.9 1,426	142	281.5 1,816	16,290 105,100	16,000 103,300	111.	37.70 11.49	723,400 30,110,000	10,050 16 4,600	50.69 128.8	Not Available	Not Available	70 483
	0.750 19.050	1,149 1,709	.8 3,626	337.5 2,178	16,290 105,100	15,950 102,900	1 10.33	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	393.4 2 ,538	16,290 105,100	15,890 102,500	110.	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	.5 3,620	449.2 2 ,898	16,290 105,100	15,840 102,200	8 10.29	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	142	560.6 3,617	16,290 105,100	15,730 101,500	110.	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	.3 3,613	671.5 4,332	16,290 105,100	15,610 100,700	4 10.25	37.70 11.49	1,705,000 70,950,000	23,680 388,000	50.38 128.0			70 483
	1.750 44.450	,285 3,400	142	782.1 5,046	16,290 105,100	15,500 100,000	110.	37.70 11.49	1,978,000 82,350,000	27,480 450,300	50.30 127.8			70 483
	2 .000 50.800	2,661 3,960	.0 3,607	892	16,290 105,100	15,390 99,310	0 10.22	37.70 11.49	2,249,000 93,620,000	3 1 ,240 511,900	50.21 127.5			70 483
156 3962	0.625 15.875	3,036 4,518	141.	.2 5,756	19,110 123,300	18,810 121,300	109.	40.84 12.45	920,600 38,320,000	1 1800 193,400	54.93 139.5	Not Available	Not Available	80 552
	0.750 19.050	1,038 1 ,5 45	5 3,594	305.1 1,968	19,110 123,300	18,750 121,000	2 10.15	40.84 12.45	1,102,000 45,870,000	14,130 231,500	5 4.89 139.4			80 552
	0.875 22.225	1,245 1,852	141.	365.8 2360	19,110 123,300	18,690 120,600	108.	40.84 12.45	1,283,000 53,390,000	16,440 269,500	5 4.85 139.3			80 552
	1.000 25.400	1,451 2,159	0 3,581	426.4 2 ,751	19,110 123,300	18,630 120,200	4 10.07	40.84 12.45	1,462,000 60,870,000	18,750 307,200	5 4.80 139.2			80 552
	1.250 31.750	1,657 2,466	140.	486.9 3,142	19,110 123,300	18,510 119,400	107.	40.84 12.45	1,819,000 75,720,000	23,320 382,200	5 4.7 1 139.0			80 552
	1.500 38.100	2	5 3,569	607.7 3,921	19,110 123,300	18,390 118,600	7 10.00	40.84 12.45	2,173,000 90,430,000	27,850 456,400	5 4.63 138.8			80 552
	1.750 44.450	,068 3,077	140.	728.1 4,697	19,110 123,300	18,270 117,800	106.	40.84 12.45	2,522,000 105,000,000	32339.61 530,000	5 4.5 4 138.5			80 552
	2 .000 50.800	2 ,47 7	0 3,556	848.0 5,47 1	19,110 123,300	18,150 117,100	9 9.93	40.84 12.45	2,869,000 119,400,000	36,780 602,700	5 4.45 138.3			80 552
168 4267	0.750 19.050	3,687 2	154.	967.6 6,243	22,170 143,000	21,770 140,500	130.	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	,886 4,294	8 3,931	394.1 2 ,5 42	22,170 143,000	21,710 140,000	6 12.13	43.98 13.41	1,604,000 66,760,000	19,100 312,900	59.09 150.1			80 552
	1.000 25.400	3,293 4,900	154.	459.4 2,964	22,170 143,000	21,640 139,600	130.	43.98 13.41	1,829,000 76,130,000	21,770 356,800	59.04 150.0			80 552
	1.250 31.750	1,341 1,995	5 3,924	524.6 3,385	22,170 143,000	2 1 ,510 138,800	2 12.10	43.98 13.41	2,276,000 94,740,000	27,100 444,000	58.96 149.7			80 552
	1.500 38.100	1,563 2 ,326	154.	65	22,170 143,000	2 1 ,380 138,000	129.	43.98 13.41	2,719,000 113,200,000	32 ,370 530,500	58.87 149.5			80 552
	1.750 44.450	1,785 2,657	3 3,918	4.8 4,225	22,170 143,000	21,250 137,100	8 12.06	43.98 13.41	3,158,000 131,500,000	37,600 616,100	58.78 149.3			80 552
	2.000 50.800	2,028 3,019	154. 0 3,912	784.6 5,062	22,170 143,000	21,120 136,300	129. 4 12.02	43.98 13.41	3,593,000 149,600,00	42 ,780 701,000	58.69 149.1			80 552
		2,228 3,3 16	4,166 153.	914.0 5,897			128.							
		2,670 3,973	5 3,899	1,043			5 11.94							
		3,110 4,628	153.				127.							
		3,5 49	0 3,886				7 11.86							
			152 .5 3,874				126. 8 11.78							
			152 .0 3,861				126. 0 11.71							
			166. 5 4,229				151. 2 14.05							
			166.				150.							

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 C-200				✓	

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	345	✓	✓	
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***

	16" OD and under		18" OD and over	
ERW	90 ft	27.4 m	115 ft	31.1 m
	12" OD and under		12.75" OD and over	
Spiralweld / Rolled & Welded	90 ft	27.4 m	115 ft	31.1 m

***Please inquire for longer lengths.