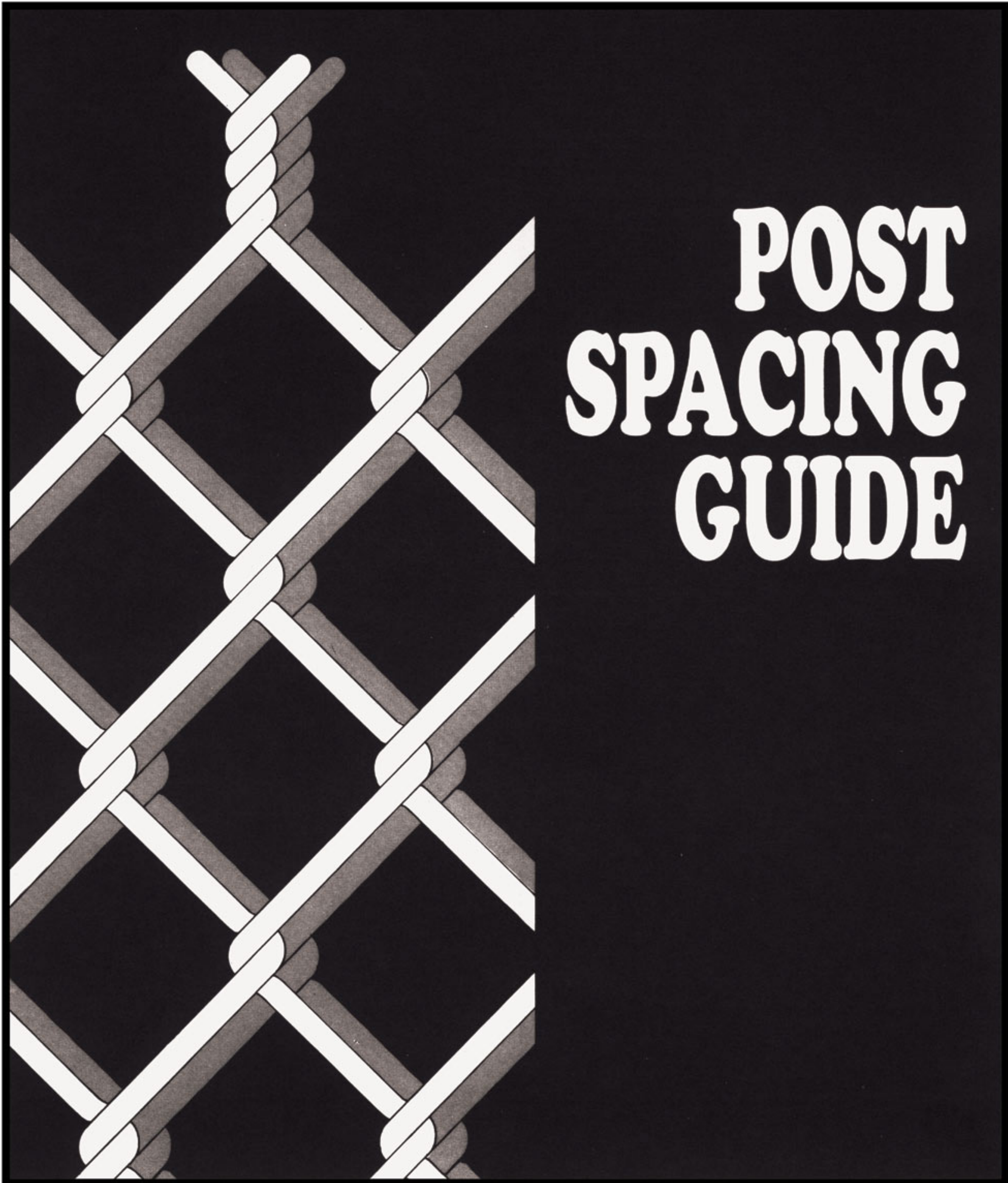




Merchants Metals<sup>®</sup>

*the first name in fence solutions*







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**LINE POST SPACING CHART  
8' CENTERS**

Length	Line Post	Spacing	Length	Line Post	Spacing	Length	Line Post	Spacing	Length	Line Post	Spacing
16'	1	8'	78'	9	7' 10"	140'	17	7' 9"	202'	25	7' 9"
17'	2	5' 8"	79'	9	7' 11"	141'	17	7' 10"	203'	25	7' 10"
18'	2	6'	80'	9	8'	142'	17	7' 11"	204'	25	7' 10"
19'	2	6' 4"	81'	10	7' 4"	143'	17	8'	205'	25	7' 11"
20'	2	6' 8"	82'	10	7' 5"	144'	17	8'	206'	25	7' 11"
21'	2	7'	83'	10	7' 7"	145'	18	7' 8"	207'	25	8'
22'	2	7' 4"	84'	10	7' 8"	146'	18	7' 8"	208'	25	8'
23'	2	7' 8"	85'	10	7' 9"	147'	18	7' 9"	209'	26	7' 9"
24'	2	8'	86'	10	7' 10"	148'	18	7' 9"	210'	26	7' 9"
25'	3	6' 3"	87'	10	7' 11"	149'	18	7' 10"	211'	26	7' 10"
26'	3	6' 6"	88'	10	8'	150'	18	7' 11"	212'	26	7' 10"
27'	3	6' 9"	89'	11	7' 5"	151'	18	8'	213'	26	7' 11"
28'	3	7'	90'	11	7' 6"	152'	18	8'	214'	26	7' 11"
29'	3	7' 3"	91'	11	7' 7"	153'	19	7' 8"	215'	26	8'
30'	3	7' 6"	92'	11	7' 8"	154'	19	7' 8"	216'	26	8'
31'	3	7' 9"	93'	11	7' 9"	155'	19	7' 9"	217'	27	7' 9"
32'	3	8'	94'	11	7' 10"	156'	19	7' 10"	218'	27	7' 9"
33'	4	6' 7"	95'	11	7' 11"	157'	19	7' 10"	219'	27	7' 10"
34'	4	6' 10"	96'	11	8'	158'	19	7' 11"	220'	27	7' 10"
35'	4	7'	97'	12	7' 5"	159'	19	8'	221'	27	7' 11"
36'	4	7' 2"	98'	12	7' 6"	160'	19	8'	222'	27	7' 11"
37'	4	7' 5"	99'	12	7' 7"	161'	20	7' 8"	223'	27	8'
38'	4	7' 7"	100'	12	7' 8"	162'	20	7' 9"	224'	27	8'
39'	4	7' 10"	101'	12	7' 9"	163'	20	7' 9"	225'	28	7' 9"
40'	4	8'	102'	12	7' 10"	164'	20	7' 10"	226'	28	7' 9"
41'	5	6' 10"	103'	12	7' 11"	165'	20	7' 10"	227'	28	7' 10"
42'	5	7'	104'	12	8'	166'	20	7' 11"	228'	28	7' 10"
43'	5	7' 2"	105'	13	7' 6"	167'	20	8'	229'	28	7' 11"
44'	5	7' 4"	106'	13	7' 7"	168'	20	8'	230'	28	7' 11"
45'	5	7' 6"	107'	13	7' 8"	169'	21	7' 8"	231'	28	8'
46'	5	7' 8"	108'	13	7' 9"	170'	21	7' 9"	232'	28	8'
47'	5	7' 10"	109'	13	7' 9"	171'	21	7' 9"	233'	29	7' 9"
48'	5	8'	110'	13	7' 10"	172'	21	7' 10"	234'	29	7' 10"
49'	6	7'	111'	13	7' 11"	173'	21	7' 10"	235'	29	7' 10"
50'	6	7' 2"	112'	13	8'	174'	21	7' 11"	236'	29	7' 11"
51'	6	7' 3"	113'	14	7' 6"	175'	21	8'	237'	29	7' 11"
52'	6	7' 5"	114'	14	7' 7"	176'	21	8'	238'	29	8'
53'	6	7' 7"	115'	14	7' 8"	177'	22	7' 8"	239'	29	8'
54'	6	7' 9"	116'	14	7' 9"	178'	22	7' 9"	240'	29	8'
55'	6	7' 10"	117'	14	7' 10"	179'	22	7' 9"	241'	30	7' 9"
56'	6	8'	118'	14	7' 10"	180'	22	7' 10"	242'	30	7' 10"
57'	7	7' 2"	119'	14	7' 11"	181'	22	7' 10"	243'	30	7' 10"
58'	7	7' 3"	120'	14	8'	182'	22	7' 11"	244'	30	7' 11"
59'	7	7' 5"	121'	15	7' 7"	183'	22	8'	245'	30	7' 11"
60'	7	7' 6"	122'	15	7' 8"	184'	22	8'	246'	30	8'
61'	7	7' 8"	123'	15	7' 8"	185'	23	7' 9"	247'	30	8'
62'	7	7' 9"	124'	15	7' 9"	186'	23	7' 9"	248'	30	8'
63'	7	7' 11"	125'	15	7' 10"	187'	23	7' 9"	249'	31	7' 9"
64'	7	8'	126'	15	7' 11"	188'	23	7' 10"	250'	31	7' 10"
65'	8	7' 3"	127'	15	7' 11"	189'	23	7' 10"	251'	31	7' 10"
66'	8	7' 4"	128'	15	8'	190'	23	7' 11"	252'	31	7' 11"
67'	8	7' 5"	129'	16	7' 7"	191'	23	8'	253'	31	7' 11"
68'	8	7' 7"	130'	16	7' 8"	192'	23	8'	254'	31	8'
69'	8	7' 8"	131'	16	7' 9"	193'	24	7' 9"	255'	31	8'
70'	8	7' 9"	132'	16	7' 9"	194'	24	7' 9"	256'	31	8'
71'	8	7' 11"	133'	16	7' 10"	195'	24	7' 10"	257'	32	7' 10"
72'	8	8'	134'	16	7' 11"	196'	24	7' 10"	258'	32	7' 10"
73'	9	7' 4"	135'	16	7' 11"	197'	24	7' 11"	259'	32	7' 10"
74'	9	7' 5"	136'	16	8'	198'	24	7' 11"	260'	32	7' 11"
75'	9	7' 6"	137'	17	7' 7"	199'	24	8'	270'	33	8'
76'	9	7' 7"	138'	17	7' 8"	200'	24	8'	280'	35	7' 9"
77'	9	7' 8"	139'	17	7' 9"	201'	25	7' 9"	290'	36	7' 10"





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**LINE POST SPACING CHART  
10' CENTERS**

Length	Line Post	Spacing	Length	Line Post	Spacing	Length	Line Post	Spacing	Length	Line Post	Spacing
20'	1	10'	82'	8	9' 1"	144'	14	9' 7"	206'	20	9' 10"
21'	2	7'	83'	8	9' 3"	145'	14	9' 8"	207'	20	9' 10"
22'	2	7' 4"	84'	8	9' 4"	146'	14	9' 9"	208'	20	9' 11"
23'	2	7' 8"	85'	8	9' 5"	147'	14	9' 10"	209'	20	9' 11"
24'	2	8'	86'	8	9' 6"	148'	14	9' 10"	210'	20	10'
25'	2	8' 4"	87'	8	9' 8"	149'	14	9' 11"	211'	21	9' 7"
26'	2	8' 8"	88'	8	9' 9"	150'	14	10'	212'	21	9' 8"
27'	2	9'	89'	8	9' 11"	151'	15	9' 5"	213'	21	9' 8"
28'	2	9' 4"	90'	8	10'	152'	15	9' 6"	214'	21	9' 9"
29'	2	9' 8"	91'	9	9' 1"	153'	15	9' 7"	215'	21	9' 9"
30'	2	10'	92'	9	9' 2"	154'	15	9' 8"	216'	21	9' 10"
31'	3	7' 9"	93'	9	9' 4"	155'	15	9' 8"	217'	21	9' 10"
32'	3	8'	94'	9	9' 5"	156'	15	9' 9"	218'	21	9' 11"
33'	3	8' 3"	95'	9	9' 6"	157'	15	9' 10"	219'	21	9' 11"
34'	3	8' 6"	96'	9	9' 7"	158'	15	9' 11"	220'	21	10'
35'	3	8' 9"	97'	9	9' 8"	159'	15	9' 11"	221'	22	9' 7"
36'	3	9'	98'	9	9' 10"	160'	15	10'	222'	22	9' 8"
37'	3	9' 3"	99'	9	9' 11"	161'	16	9' 6"	223'	22	9' 8"
38'	3	9' 6"	100'	9	10'	162'	16	9' 6"	224'	22	9' 9"
39'	3	9' 9"	101'	10	9' 2"	163'	16	9' 7"	225'	22	9' 9"
40'	3	10'	102'	10	9' 3"	164'	16	9' 8"	226'	22	9' 10"
41'	4	8' 2"	103'	10	9' 4"	165'	16	9' 8"	227'	22	9' 10"
42'	4	8' 5"	104'	10	9' 5"	166'	16	9' 9"	228'	22	9' 11"
43'	4	8' 7"	105'	10	9' 7"	167'	16	9' 10"	229'	22	9' 11"
44'	4	8' 10"	106'	10	9' 8"	168'	16	9' 11"	230'	22	10'
45'	4	9'	107'	10	9' 9"	169'	16	9' 11"	231'	23	9' 8"
46'	4	9' 2"	108'	10	9' 10"	170'	16	10'	232'	23	9' 8"
47'	4	9' 5"	109'	10	9' 11"	171'	17	9' 6"	233'	23	9' 9"
48'	4	9' 7"	110'	10	10'	172'	17	9' 7"	234'	23	9' 9"
49'	4	9' 10"	111'	11	9' 3"	173'	17	9' 7"	235'	23	9' 10"
50'	4	10'	112'	11	9' 4"	174'	17	9' 8"	236'	23	9' 10"
51'	5	8' 6"	113'	11	9' 5"	175'	17	9' 9"	237'	23	9' 11"
52'	5	8' 8"	114'	11	9' 6"	176'	17	9' 9"	238'	23	9' 11"
53'	5	8' 10"	115'	11	9' 7"	177'	17	9' 10"	239'	23	10'
54'	5	9'	116'	11	9' 8"	178'	17	9' 11"	240'	23	10'
55'	5	9' 2"	117'	11	9' 9"	179'	17	9' 11"	241'	24	9' 8"
56'	5	9' 4"	118'	11	9' 10"	180'	17	10'	242'	24	9' 8"
57'	5	9' 6"	119'	11	9' 11"	181'	18	9' 6"	243'	24	9' 9"
58'	5	9' 8"	120'	11	10'	182'	18	9' 7"	244'	24	9' 9"
59'	5	9' 10"	121'	12	9' 4"	183'	18	9' 7"	245'	24	9' 10"
60'	5	10'	122'	12	9' 5"	184'	18	9' 8"	246'	24	9' 10"
61'	6	8' 9"	123'	12	9' 6"	185'	18	9' 9"	247'	24	9' 11"
62'	6	8' 10"	124'	12	9' 6"	186'	18	9' 9"	248'	24	9' 11"
63'	6	9'	125'	12	9' 7"	187'	18	9' 10"	249'	24	10'
64'	6	9' 2"	126'	12	9' 8"	188'	18	9' 11"	250'	24	10'
65'	6	9' 3"	127'	12	9' 9"	189'	18	9' 11"	251'	25	9' 8"
66'	6	9' 5"	128'	12	9' 10"	190'	18	10'	252'	25	9' 8"
67'	6	9' 7"	129'	12	9' 11"	191'	19	9' 6"	253'	25	9' 9"
68'	6	9' 9"	130'	12	10'	192'	19	9' 7"	254'	25	9' 9"
69'	6	9' 11"	131'	13	9' 4"	193'	19	9' 8"	255'	25	9' 10"
70'	6	10'	132'	13	9' 5"	194'	19	9' 8"	256'	25	9' 10"
71'	7	8' 11"	133'	13	9' 6"	195'	19	9' 9"	257'	25	9' 11"
72'	7	9'	134'	13	9' 7"	196'	19	9' 10"	258'	25	9' 11"
73'	7	9' 2"	135'	13	9' 8"	197'	19	9' 10"	259'	25	10'
74'	7	9' 3"	136'	13	9' 9"	198'	19	9' 11"	260'	25	10'
75'	7	9' 5"	137'	13	9' 9"	199'	19	9' 11"	270'	26	10'
76'	7	9' 6"	138'	13	9' 10"	200'	19	10'	280'	27	10'
77'	7	9' 8"	139'	13	9' 11"	201'	20	9' 7"	290'	28	10'
78'	7	9' 9"	140'	13	10'	202'	20	9' 7"	300'	29	10'
79'	7	9' 11"	141'	14	9' 5"	203'	20	9' 8"	310'	30	10'
80'	7	10'	142'	14	9' 6"	204'	20	9' 9"	320'	31	10'
81'	8	9'	143'	14	9' 6"	205'	20	9' 9"	330'	32	10'



Number of Holes Per Cubic Yard of Concrete								
Depth	Hole Diameter							
	6"	8"	9"	10"	12"	16"	18"	24"
24"	68.8	36.7	30.6	24.3	17.2	9.7	7.6	4.0
30"	55.0	31.0	26.5	19.7	13.7	7.7	6.0	3.0
36"	45.5	25.8	20.4	16.5	11.5	6.5	5.1	2.7
39"	42.3	23.8	18.8	15.2	10.6	5.9	4.7	2.6
42"	39.3	22.1	17.5	14.1	9.8	5.5	4.4	2.5
48"	34.4	19.4	15.3	12.4	8.6	4.8	3.8	2.0
54"	30.6	17.2	13.6	11.0	7.6	4.3	3.4	1.7

Typical Hole Width & Depth				
Type of Post	Fabric Height	Hole Dia. At Top	Hole Depth	Post Depth
Line	3' - 4'	6"	24"	21"
Line	5'	8"	30"	27"
Line	6' - 12'	9"	38"	36"
Terminal	3' - 5'	10"	32"	30"
Terminal	6' - 12'	12"	38"	36"

Industrial Gate Posts			
Type	Gate Width	Std. Pipe	Wt./Ft.
Swing	Up to 5'	3" O.D.	5.79
	6' - 13'	4" O.D.	9.11
	14' - 18'	6 <sup>5</sup> / <sub>8</sub> " O.D.	18.97
	Over 18'	8 <sup>5</sup> / <sub>8</sub> " O.D.	24.70
Cantilever	Up to 15'	3" O.D.	5.79
	Over 15'	4" O.D.	9.11

### Pipe and Tubing Specifications

Type	O.D.	Wall	Ga.	Wt./Ft.
Tubing	1 <sup>3</sup> / <sub>8</sub> "	.035	20	.478
	1 <sup>3</sup> / <sub>8</sub> "	.042	19	.570
	1 <sup>3</sup> / <sub>8</sub> "	.047	18	.661
	1 <sup>3</sup> / <sub>8</sub> "	.055	17	.726
	1 <sup>5</sup> / <sub>8</sub> "	.042	19	.726
	1 <sup>5</sup> / <sub>8</sub> "	.047	18	.846
	1 <sup>5</sup> / <sub>8</sub> "	.055	17	.943
	2"	.047	18	.969
	2"	.055	17	1.065
	2 <sup>1</sup> / <sub>2</sub> "	.047	18	1.217
	2 <sup>1</sup> / <sub>2</sub> "	.055	17	1.341
Lt. Wt. 15	1 <sup>3</sup> / <sub>8</sub> "	.072	-	.956
	1 <sup>5</sup> / <sub>8</sub> "	.072	-	1.220
	2"	.076	-	1.406
	2 <sup>1</sup> / <sub>2</sub> "	.076	-	1.866
Med. Wt. 20	1 <sup>3</sup> / <sub>8</sub> "	.080	-	1.056
	1 <sup>5</sup> / <sub>8</sub> "	.085	-	1.431
	2"	.090	-	1.741
	2 <sup>1</sup> / <sub>2</sub> "	.095	-	2.315
	3"	.110	-	3.251
Hvy. Wt. 40	1 <sup>3</sup> / <sub>8</sub> "	.104	-	1.345
	1 <sup>5</sup> / <sub>8</sub> "	.111	-	1.836
	2"	.120	-	2.281
	2 <sup>1</sup> / <sub>2</sub> "	.130	-	3.117
	3"	.160	-	4.640
	4"	.160	-	6.560
Std. Sch. 40 Pipe	1 <sup>5</sup> / <sub>8</sub> "	.140	-	2.280
	2"	.145	-	2.735
	2 <sup>3</sup> / <sub>8</sub> "	.154	-	3.650
	3"	.203	-	5.790
	4"	.226	-	9.100
	6 <sup>5</sup> / <sub>8</sub> "	.322	-	18.970
	8 <sup>5</sup> / <sub>8</sub> "	.322	-	28.550

**For Complete Specifications and Drawings, Contact: Technical Sales (888) 260-1600 Fax (888) 261-3600**