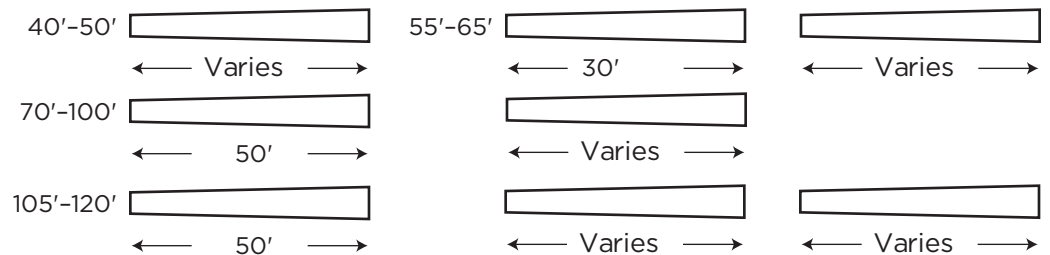


Wood Pole Equivalent (WPE) Class C1 Compared To Steel Pole LD1

Class C1 (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Class	Length feet	Thick inches	Base Dia inches	Top Dia inches	Weight Shaft	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
1	30	0.1875	10.6	7.00	530.88	2813	5	10.00	80	64.7
1	35	0.1875	11.2	7.00	640.93	2813	5.5	10.54	89	77.4
1	40	0.1875	11.8	7.00	757.15	2813	6	11.08	99	90.0
1	45	0.1875	12.4	7.00	879.53	2813	6.5	11.62	109	102.7
1	50	0.1875	13	7.00	1008.08	2813	7	12.16	118	115.3
1	55	0.1875	13.6	7.00	1142.79	2813	7.5	12.70		128.0
1	60	0.1875	14.42	7.00	1346.00	2813	8	13.43		140.7
1	65	0.1875	15.07	7.00	1495.00	2813	8.5	14.01		153.3
1	70	0.1875	15.4	7.00	1583.90	2813	9	14.32		166.0
1	75	0.1875	15.5	7.00	1765.00	2813	9.5	14.4233		178.6
1	80	0.1875	16.1	7.00	1925.00	2813	10	14.9625		191.3
1	85	0.1875	16.7	7.00	2091.00	2813	10.5	15.5018		203.9
1	90	0.1875	17.3	7.00	2242.12	2813	11	16.0411		216.6

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel
 All Poles are designed for Flat to Flat Orientation
 Up to 50', one piece
 55' ft. to 65' ft. (2) piece, top section 30' ft.
 70' ft. to 100' ft. (2) piece, top section 50' ft.
 105' ft. to 120' ft. (3) piece, top section 50' ft.

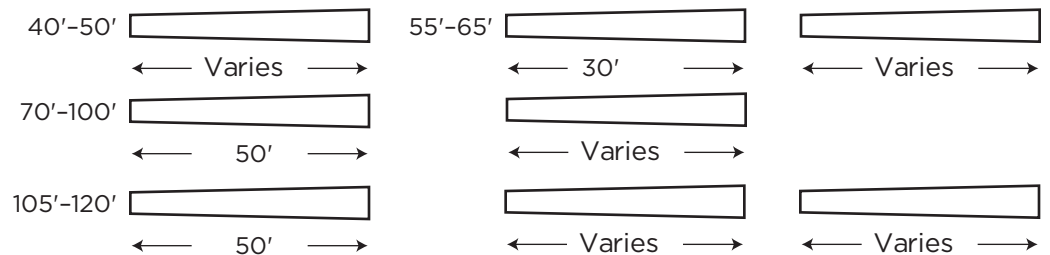


Wood Pole Equivalent (WPE) Class C2 Compared To Steel Pole LD1

Class C2 (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Class	Length feet	Thick inches	Base Dia inches	Top Dia inches	Weight Shaft	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
2	30	0.1875	9.9	6.00	478.48	2313	5	9.25	64	53.2
2	35	0.1875	10.55	6.00	581.60	2313	5.5	9.84	73	63.6
2	40	0.1875	11.2	6.00	691.40	2313	6	10.42	81	74.0
2	45	0.1875	11.85	6.00	807.88	2313	6.5	11.01	90	84.4
2	50	0.1875	12.5	6.00	931.03	2313	7	11.59	100	94.8
2	55	0.1875	12.65	6.00	1062.00	2313	7.5	11.74318182		105.2415
2	60	0.1875	13.3	6.00	1210.00	2313	8	12.32666667		115.65
2	65	0.1875	13.95	6.00	1345	2313	8.5	12.91038462		126.0585
2	70	0.1875	14.6	6.00	1490.00	2313	9	13.49428571		136.467
2	75	0.1875	15.25	6.00	1667.00	2313	9.5	14.07833333		146.8755
2	80	0.1875	15.9	6.00	1824.00	2313	10	14.6625		157.284
2	85	0.1875	16.55	6.00	1989.00	2313	10.5	15.24676471		167.6925
2	90	0.1875	17.2	6.00	2160.00	2313	11	15.83111111		178.101
2	95	0.1875	17.85	6.00	2338.00	2313	11.5	16.41552632		188.5095

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel
 All Poles are designed for Flat to Flat Orientation
 Up to 50', one piece
 55' ft. to 65' ft. (2) piece, top section 30' ft.
 70' ft. to 100' ft. (2) piece, top section 50' ft.
 105' ft. to 120' ft. (3) piece, top section 50' ft.



Wood Pole Equivalent (WPE) Class C3 Compared To Steel Pole LD1

Class C3 (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Class	Length feet	Thick inches	Base Dia inches	Top Dia inches	Weight Shaft	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
3	30	0.1875	9.15	6.00	455.37	1875	5	8.63	59	43.1
3	35	0.1875	9.67	6.00	549.96	1875	5.5	9.09	66	51.6
3	40	0.1875	10.2	6.00	650.31	1875	6	9.57	73	60.0
3	45	0.1875	10.72	6.00	755.63	1875	6.5	10.04	81	68.4
3	50	0.1875	11.25	6.00	866.82	1875	7	10.52	89	76.9
3	55	0.1875	11.78	6.00	983.45	1875	7.5	10.99		85.31
3	60	0.1875	12.1	6.00	1129.00	1875	8	11.29		93.75
3	65	0.1875	12.65	6.00	1261.00	1875	8.5	11.78		102.19
3	70	0.1875	13.2	6.00	1400.00	1875	9	12.27		110.63

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel

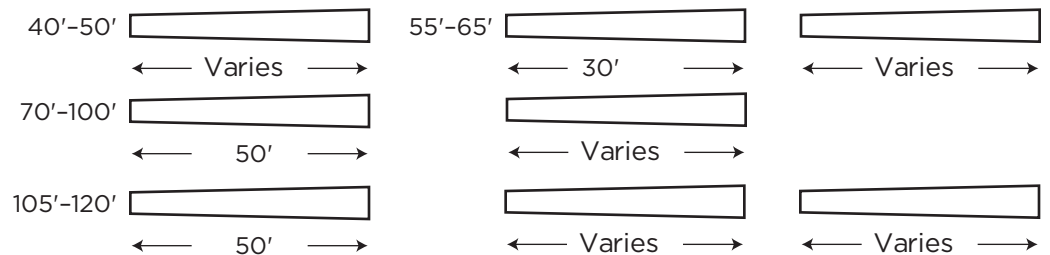
All Poles are designed for Flat to Flat Orientation

Up to 50', one piece

55' ft. to 65' ft. (2) piece, top section 30' ft.

70' ft. to 100' ft. (2) piece, top section 50' ft.

105' ft. to 120' ft. (3) piece, top section 50' ft.

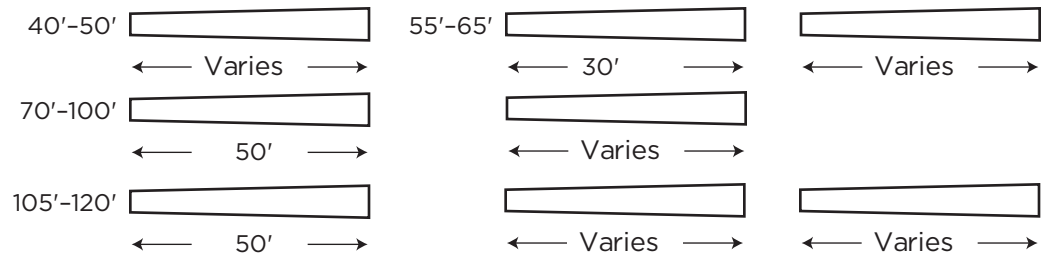


Wood Pole Equivalent (WPE) Class H1 Compared To Steel Pole LD1

Class H1 or (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Length feet	Taper in/ft	Thick inches	Base Dia inches	Top Dia inches	Weight Pounds	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
40	0.125	0.1875	14.2	9.20	946.18	3375	6	13.45	146	108.0
45	0.125	0.1875	14.825	9.20	1093.35	3375	6.5	14.01	159	123.2
50	0.125	0.1875	15.45	9.20	1246.94	3375	7	14.58	172	138.4
55	0.125	0.1875	16.075	9.20	1406.94	3375	7.5	15.14	186	153.6
60	0.125	0.1875	16.2	9.20	1542.55	3375	8	15.27	189	168.8
65	0.125	0.1875	16.825	9.20	1712.83	3375	8.5	15.83	204	183.9
70	0.125	0.1875	17.45	9.20	1889.54	3375	9	16.39	219	199.1
75	0.125	0.1875	18.075	9.20	2072.66	3375	9.5	16.95	234	214.3
80	0.125	0.1875	18.7	9.20	2262.20	3375	10	17.51	250	229.5
85	0.125	0.1875	19.325	9.20	2458.17	3375	10.5	18.07	267	244.7
90	0.125	0.1875	19.95	9.20	2660.56	3375	11	18.64	284	259.9
95	0.125	0.1875	20.575	9.20	2869.36	3375	11.5	19.20	301	275.1
100	0.125	0.1875	21.2	9.20	3084.59	3375	12	19.76	319	290.3
105	0.125	0.1875	21.825	9.20	3306.24	3375	12.5	20.32	338	305.4
110	0.125	0.1875	21.95	9.20	3477.81	3375	13	20.44	342	320.6
115	0.125	0.1875	22.575	9.20	3709.73	3375	13.5	21.00	361	335.8
120	0.125	0.1875	23.2	9.20	3948.07	3375	14	21.57	381	351.0

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel
 All Poles are designed for Flat to Flat Orientation
 Up to 50', one piece
 55' ft. to 65' ft. (2) piece, top section 30' ft.
 70' ft. to 100' ft. (2) piece, top section 50' ft.
 105' ft. to 120' ft. (3) piece, top section 50' ft.

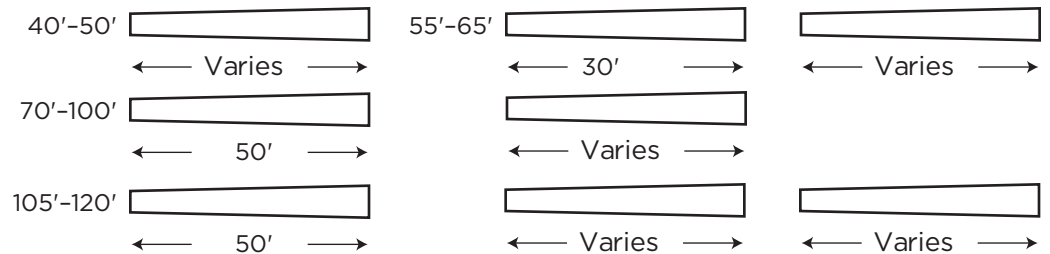


Wood Pole Equivalent (WPE) Class H2 Compared To Steel Pole LD1

Class H2 or (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Length feet	Taper in/ft	Thick inches	Base Dia inches	Top Dia inches	Weight Pounds	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
40	0.143	0.1875	15.22	9.50	1000.42	4000	6	14.36	167	128.0
45	0.143	0.1875	15.935	9.50	1158.53	4000	6.5	15.01	183	146.0
50	0.143	0.1875	16.65	9.50	1323.99	4000	7	15.65	199	164.0
55	0.143	0.1875	17.365	9.50	1496.78	4000	7.5	16.29	216	182.0
60	0.143	0.1875	17.58	9.50	1646.11	4000	8	16.50	221	200.0
65	0.143	0.1875	18.295	9.50	1831.03	4000	8.5	17.14	239	218.0
70	0.143	0.1875	19.01	9.50	2023.30	4000	9	17.79	258	236.0
75	0.143	0.1875	19.725	9.50	2222.91	4000	9.5	18.43	277	254.0
80	0.143	0.1875	20.44	9.50	2429.87	4000	10	19.07	297	272.0
85	0.143	0.1875	21.155	9.50	2644.17	4000	10.5	19.72	318	290.0
90	0.143	0.1875	21.87	9.50	2865.82	4000	11	20.36	339	308.0
95	0.143	0.1875	22.585	9.50	3094.81	4000	11.5	21.00	361	326.0
100	0.143	0.1875	23.3	9.50	3331.15	4000	12	21.64	384	344.0
105	0.143	0.1875	24.015	9.50	3574.84	4000	12.5	22.29	407	362.0
110	0.143	0.1875	24.23	9.50	3769.37	4000	13	22.49	415	380.0
115	0.143	0.1875	24.945	9.50	4025.17	4000	13.5	23.13	435	398.0
120	0.143	0.1875	25.66	9.50	4288.33	4000	14	23.77	454	416.0

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel
 All Poles are designed for Flat to Flat Orientation
 Up to 50', one piece
 55' ft. to 65' ft. (2) piece, top section 30' ft.
 70' ft. to 100' ft. (2) piece, top section 50' ft.
 105' ft. to 120' ft. (3) piece, top section 50' ft.



Wood Pole Equivalent (WPE) Class H3 Compared To Steel Pole LD1

Class H3 or (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Length feet	Taper in/ft	Thick inches	Base Dia inches	Top Dia inches	Weight Pounds	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
40	0.152	0.1875	16.33	10.25	1076.86	4688	6	15.42	193	150.0
45	0.152	0.1875	17.09	10.25	1246.60	4688	6.5	16.10	211	171.1
50	0.152	0.1875	17.85	10.25	1424.15	4688	7	16.79	230	192.2
55	0.152	0.1875	18.61	10.25	1609.51	4688	7.5	17.47	249	213.3
60	0.152	0.1875	18.87	10.25	1771.86	4688	8	17.72	256	234.4
65	0.152	0.1875	19.63	10.25	1970.26	4688	8.5	18.40	276	255.5
70	0.152	0.1875	20.39	10.25	2176.47	4688	9	19.09	298	276.6
75	0.152	0.1875	21.15	10.25	2390.49	4688	9.5	19.77	320	297.7
80	0.152	0.1875	21.91	10.25	2612.32	4688	10	20.45	342	318.8
85	0.152	0.1875	22.67	10.25	2841.96	4688	10.5	21.14	366	339.9
90	0.152	0.1875	23.43	10.25	3079.40	4688	11	21.82	390	361.0
95	0.152	0.1875	24.19	10.25	3324.66	4688	11.5	22.50	415	382.1
100	0.152	0.1875	24.95	10.25	3577.72	4688	12	23.19	437	403.2
105	0.152	0.1875	25.71	10.25	3838.58	4688	12.5	23.87	456	424.3
110	0.152	0.1875	25.97	10.25	4050.75	4688	13	24.11	463	445.4
115	0.152	0.1875	26.73	10.25	4324.67	4688	13.5	24.80	483	466.5
120	0.152	0.1875	27.49	10.25	4606.39	4688	14	25.48	502	487.6

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel

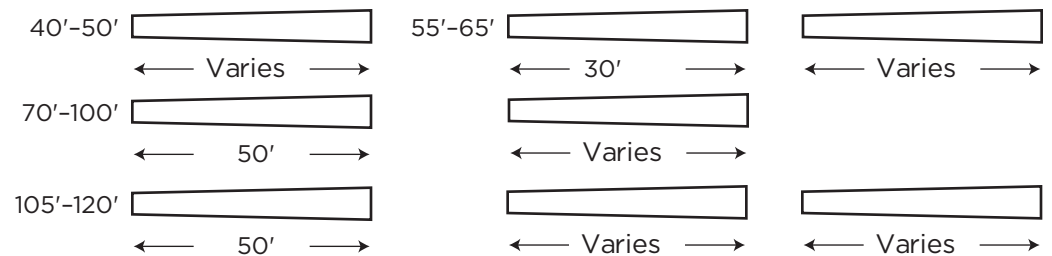
All Poles are designed for Flat to Flat Orientation

Up to 50', one piece

55' ft. to 65' ft. (2) piece, top section 30' ft.

70' ft. to 100' ft. (2) piece, top section 50' ft.

105' ft. to 120' ft. (3) piece, top section 50' ft.



Wood Pole Equivalent (WPE) Class H4 Compared To Steel Pole LD1

Class H4 or (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Length feet	Taper in/ft	Thick inches	Base Dia inches	Top Dia inches	Weight Pounds	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
40	0.18	0.1875	17.45	10.25	1122.88	5438	6	16.37	218	174.0
45	0.18	0.1875	18.35	10.25	1304.85	5438	6.5	17.18	241	198.5
50	0.18	0.1875	19.25	10.25	1496.07	5438	7	17.99	264	223.0
55	0.18	0.1875	20.15	10.25	1696.53	5438	7.5	18.80	289	247.4
60	0.18	0.1875	20.55	10.25	1875.41	5438	8	19.18	301	271.9
65	0.18	0.1875	21.45	10.25	2091.79	5438	8.5	19.99	327	296.4
70	0.18	0.1875	22.35	10.25	2317.42	5438	9	20.79	354	320.8
75	0.18	0.1875	23.25	10.25	2552.30	5438	9.5	21.60	382	345.3
80	0.18	0.1875	24.15	10.25	2796.42	5438	10	22.41	412	369.8
85	0.18	0.1875	25.05	10.25	3049.79	5438	10.5	23.22	438	394.3
90	0.18	0.1875	25.95	10.25	3312.40	5438	11	24.03	461	418.7
95	0.18	0.1875	26.85	10.25	3584.26	5438	11.5	24.84	484	443.2
100	0.18	0.1875	27.75	10.25	3865.37	5438	12	25.65	507	467.7
105	0.18	0.1875	28.65	10.25	4155.72	5438	12.5	26.46	530	492.1
110	0.18	0.1875	29.05	10.25	4398.82	5438	13	26.83	540	516.6
115	0.18	0.1875	29.95	10.25	4705.09	5438	13.5	27.64	562	541.1
120	0.18	0.1875	30.85	10.25	5020.62	5438	14	28.45	584	565.6

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel

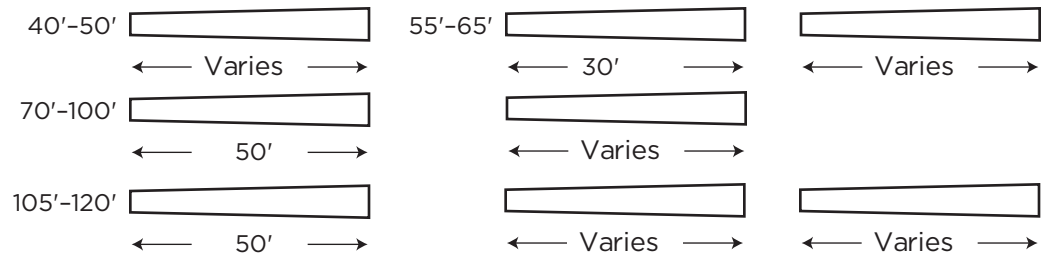
All Poles are designed for Flat to Flat Orientation

Up to 50', one piece

55' ft. to 65' ft. (2) piece, top section 30' ft.

70' ft. to 100' ft. (2) piece, top section 50' ft.

105' ft. to 120' ft. (3) piece, top section 50' ft.



Wood Pole Equivalent (WPE) Class H5 Compared To Steel Pole LD1

Class H5 or (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Length feet	Taper in/ft	Thick inches	Base Dia inches	Top Dia inches	Weight Pounds	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
40	0.155	0.2500	16.45	10.25	1435.54	6250	6	15.52	259	200.0
45	0.155	0.2500	17.225	10.25	1662.75	6250	6.5	16.22	283	228.1
50	0.155	0.2500	18	10.25	1900.58	6250	7	16.92	309	256.3
55	0.155	0.2500	18.775	10.25	2149.03	6250	7.5	17.61	335	284.4
60	0.155	0.2500	18.925	10.25	2356.72	6250	8	17.77	341	312.5
65	0.155	0.2500	19.7	10.25	2622.12	6250	8.5	18.46	369	340.6
70	0.155	0.2500	20.475	10.25	2898.13	6250	9	19.16	398	368.8
75	0.155	0.2500	21.25	10.25	3184.76	6250	9.5	19.86	428	396.9
80	0.155	0.2500	22.025	10.25	3482.00	6250	10	20.55	458	425.0
85	0.155	0.2500	22.8	10.25	3789.86	6250	10.5	21.25	490	453.1
90	0.155	0.2500	23.575	10.25	4108.34	6250	11	21.95	524	481.3
95	0.155	0.2500	24.35	10.25	4437.43	6250	11.5	22.64	558	509.4
100	0.155	0.2500	25.125	10.25	4777.14	6250	12	23.34	593	537.5
105	0.155	0.2500	25.9	10.25	5127.46	6250	12.5	24.04	630	565.6
110	0.155	0.2500	26.05	10.25	5394.23	6250	13	24.18	637	593.8
115	0.155	0.2500	26.825	10.25	5761.50	6250	13.5	24.88	675	621.9
120	0.155	0.2500	27.6	10.25	6139.39	6250	14	25.58	714	650.0

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel

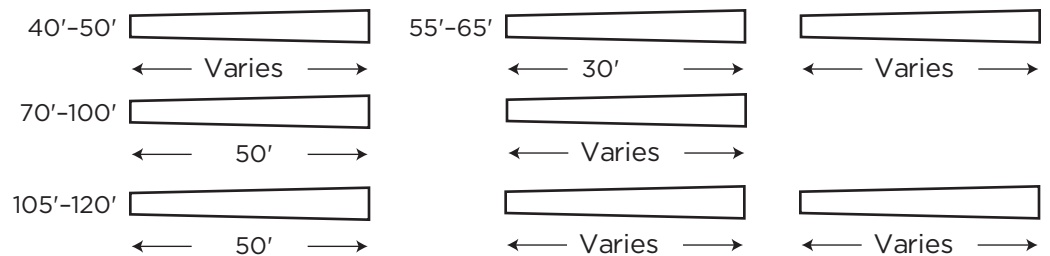
All Poles are designed for Flat to Flat Orientation

Up to 50', one piece

55' ft. to 65' ft. (2) piece, top section 30' ft.

70' ft. to 100' ft. (2) piece, top section 50' ft.

105' ft. to 120' ft. (3) piece, top section 50' ft.



Wood Pole Equivalent (WPE) Class H6 Compared To Steel Pole LD1

Class H6 or (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Length feet	Taper in/ft	Thick inches	Base Dia inches	Top Dia inches	Weight Pounds	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
40	0.1725	0.2500	17.15	10.25	1473.89	7125	6	16.12	280	228.0
45	0.1725	0.2500	18.0125	10.25	1711.29	7125	6.5	16.89	308	260.1
50	0.1725	0.2500	18.875	10.25	1960.51	7125	7	17.67	337	292.1
55	0.1725	0.2500	19.7375	10.25	2221.54	7125	7.5	18.44	368	324.2
60	0.1725	0.2500	19.975	10.25	2443.02	7125	8	18.68	378	356.3
65	0.1725	0.2500	20.8375	10.25	2723.40	7125	8.5	19.45	410	388.3
70	0.1725	0.2500	21.7	10.25	3015.59	7125	9	20.23	444	420.4
75	0.1725	0.2500	22.5625	10.25	3319.60	7125	9.5	21.00	479	452.4
80	0.1725	0.2500	23.425	10.25	3635.42	7125	10	21.78	516	484.5
85	0.1725	0.2500	24.2875	10.25	3963.05	7125	10.5	22.55	553	516.6
90	0.1725	0.2500	25.15	10.25	4302.50	7125	11	23.33	592	548.6
95	0.1725	0.2500	26.0125	10.25	4653.77	7125	11.5	24.10	633	580.7
100	0.1725	0.2500	26.875	10.25	5016.85	7125	12	24.88	675	612.8
105	0.1725	0.2500	27.7375	10.25	5391.74	7125	12.5	25.66	718	644.8
110	0.1725	0.2500	27.975	10.25	5684.28	7125	13	25.88	731	676.9
115	0.1725	0.2500	28.8375	10.25	6078.52	7125	13.5	26.66	776	708.9
120	0.1725	0.2500	29.7	10.25	6484.58	7125	14	27.43	822	741.0

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel

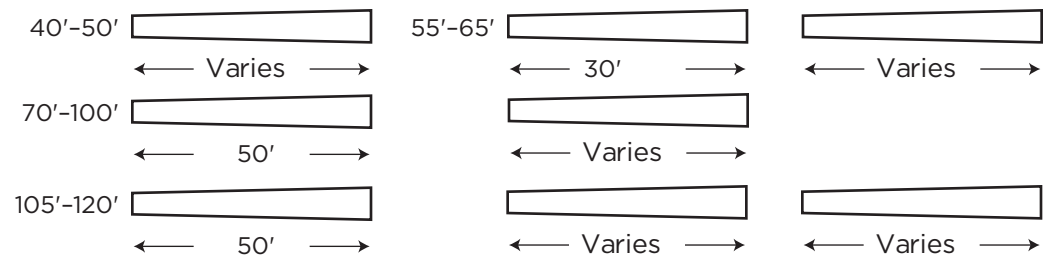
All Poles are designed for Flat to Flat Orientation

Up to 50', one piece

55' ft. to 65' ft. (2) piece, top section 30' ft.

70' ft. to 100' ft. (2) piece, top section 50' ft.

105' ft. to 120' ft. (3) piece, top section 50' ft.



Wood Pole Equivalent (WPE) Class H7 Compared To Steel Pole LD1

Class H7 or (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Length feet	Taper in/ft	Thick inches	Base Dia inches	Top Dia inches	Weight Pounds	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
40	0.195	0.2500	18.05	10.25	1523.20	8200	6	16.88	307	262.4
45	0.195	0.2500	19.025	10.25	1773.70	8200	6.5	17.76	341	299.3
50	0.195	0.2500	20	10.25	2037.56	8200	7	18.64	376	336.2
55	0.195	0.2500	20.975	10.25	2314.77	8200	7.5	19.51	412	373.1
60	0.195	0.2500	21.325	10.25	2553.97	8200	8	19.85	427	410.0
65	0.195	0.2500	22.3	10.25	2853.61	8200	8.5	20.72	466	446.9
70	0.195	0.2500	23.275	10.25	3166.61	8200	9	21.60	507	483.8
75	0.195	0.2500	24.25	10.25	3492.96	8200	9.5	22.48	550	520.7
80	0.195	0.2500	25.225	10.25	3832.67	8200	10	23.35	594	557.6
85	0.195	0.2500	26.2	10.25	4185.73	8200	10.5	24.23	640	594.5
90	0.195	0.2500	27.175	10.25	4552.15	8200	11	25.11	687	631.4
95	0.195	0.2500	28.15	10.25	4931.92	8200	11.5	25.98	736	668.3
100	0.195	0.2500	29.125	10.25	5325.05	8200	12	26.86	788	705.2
105	0.195	0.2500	30.1	10.25	5731.54	8200	12.5	27.74	841	742.1
110	0.195	0.2500	30.45	10.25	6057.20	8200	13	28.06	860	779.0
115	0.195	0.2500	31.425	10.25	6486.12	8200	13.5	28.94	916	815.9
120	0.195	0.2500	32.4	10.25	6928.39	8200	14	29.82	973	852.8

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel

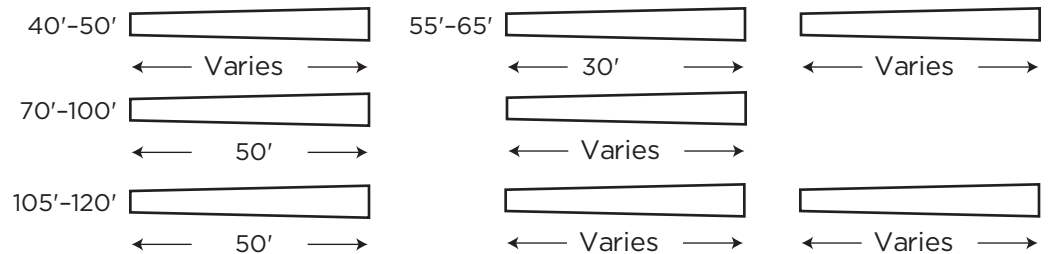
All Poles are designed for Flat to Flat Orientation

Up to 50', one piece

55' ft. to 65' ft. (2) piece, top section 30' ft.

70' ft. to 100' ft. (2) piece, top section 50' ft.

105' ft. to 120' ft. (3) piece, top section 50' ft.



Wood Pole Equivalent (WPE) Class H8 Compared To Steel Pole LD1

Class H8 or (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Length feet	Taper in/ft	Thick inches	Base Dia inches	Top Dia inches	Weight Pounds	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
40	0.216	0.2500	18.89	10.25	1569.23	9400	6	17.59	334	300.8
45	0.216	0.2500	19.97	10.25	1831.95	9400	6.5	18.57	373	343.1
50	0.216	0.2500	21.05	10.25	2109.47	9400	7	19.54	414	385.4
55	0.216	0.2500	22.13	10.25	2401.79	9400	7.5	20.51	456	427.7
60	0.216	0.2500	22.585	10.25	2657.53	9400	8	20.94	476	470.0
65	0.216	0.2500	23.665	10.25	2975.15	9400	8.5	21.91	522	512.3
70	0.216	0.2500	24.745	10.25	3307.56	9400	9	22.88	570	554.6
75	0.216	0.2500	25.825	10.25	3654.77	9400	9.5	23.85	620	596.9
80	0.216	0.2500	26.905	10.25	4016.77	9400	10	24.82	672	639.2
85	0.216	0.2500	27.985	10.25	4393.56	9400	10.5	25.79	726	681.5
90	0.216	0.2500	29.065	10.25	4785.15	9400	11	26.77	782	723.8
95	0.216	0.2500	30.145	10.25	5191.53	9400	11.5	27.74	841	766.1
100	0.216	0.2500	31.225	10.25	5612.71	9400	12	28.71	901	808.4
105	0.216	0.2500	32.305	10.25	6048.68	9400	12.5	29.68	964	850.7
110	0.216	0.2500	32.76	10.25	6405.27	9400	13	30.10	991	893.0
115	0.216	0.2500	33.84	10.25	6866.54	9400	13.5	31.07	1044	935.3
120	0.216	0.2500	34.92	10.25	7342.61	9400	14	32.04	1093	977.6

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel

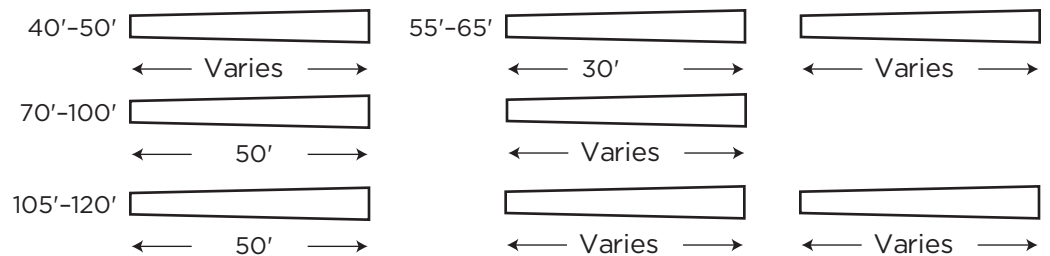
All Poles are designed for Flat to Flat Orientation

Up to 50', one piece

55' ft. to 65' ft. (2) piece, top section 30' ft.

70' ft. to 100' ft. (2) piece, top section 50' ft.

105' ft. to 120' ft. (3) piece, top section 50' ft.



Wood Pole Equivalent (WPE) Class H9 Compared To Steel Pole LD1

Class H9 or (Similar to LD1)										
Wood Pole		Steel Pole Equivalent (All poles are 12 sides)								
Length feet	Taper in/ft	Thick inches	Base Dia inches	Top Dia inches	Weight Pounds	Load pounds	Embed feet	G.L. Dia inches	G.L. Mom Cap kip-ft	Req GLM kip-ft
40	0.23	0.2500	20	10.80	1660.18	10500	6	18.62	375	336.0
45	0.23	0.2500	21.15	10.80	1938.59	10500	6.5	19.66	419	383.3
50	0.23	0.2500	22.3	10.80	2232.75	10500	7	20.69	465	430.5
55	0.23	0.2500	23.45	10.80	2542.67	10500	7.5	21.73	513	477.8
60	0.23	0.2500	23.975	10.80	2816.97	10500	8	22.22	537	525.0
65	0.23	0.2500	25.125	10.80	3154.11	10500	8.5	23.25	588	572.3
70	0.23	0.2500	26.275	10.80	3507.00	10500	9	24.29	643	619.5
75	0.23	0.2500	27.425	10.80	3875.64	10500	9.5	25.32	699	666.8
80	0.23	0.2500	28.575	10.80	4260.04	10500	10	26.35	758	714.0
85	0.23	0.2500	29.725	10.80	4660.19	10500	10.5	27.39	819	761.3
90	0.23	0.2500	30.875	10.80	5076.09	10500	11	28.42	883	808.5
95	0.23	0.2500	32.025	10.80	5507.75	10500	11.5	29.46	949	855.8
100	0.23	0.2500	33.175	10.80	5955.15	10500	12	30.49	1015	903.0
105	0.23	0.2500	34.325	10.80	6418.31	10500	12.5	31.52	1067	950.3
110	0.23	0.2500	34.85	10.80	6803.05	10500	13	32.01	1092	997.5
115	0.23	0.2500	36	10.80	7293.44	10500	13.5	33.04	1144	1044.8
120	0.23	0.2500	37.15	10.80	7799.57	10500	14	34.08	1189	1092.0

Design Notes:

All Pole shafts manufactured from ASTM A572 Grade 65 Steel

All Poles are designed for Flat to Flat Orientation

Up to 50', one piece

55' ft. to 65' ft. (2) piece, top section 30' ft.

70' ft. to 100' ft. (2) piece, top section 50' ft.

105' ft. to 120' ft. (3) piece, top section 50' ft.

