

Rated wind speed  
60

Force per sq' foot of element for 100 MPH wind  
65

EPA	EFFECTIVE SHERE LOAD	Overturning Moment as a function of height, element EPA, and 60 MPH wind.																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
26	608.4	1216.8	1825.2	2433.6	3042	3650.4	4258.8	4867.2	5475.6	6084	6692.4	7300.8	7909.2	8517.6	9126	9734.4	10343	10951	11560	12168	
25	585	1170	1755	2340	2925	3510	4095	4680	5265	5850	6435	7020	7605	8190	8775	9360	9945	10530	11115	11700	
24	561.6	1123.2	1684.8	2246.4	2808	3369.6	3931.2	4492.8	5054.4	5616	6177.6	6739.2	7300.8	7862.4	8424	8985.6	9547.2	10109	10671	11232	
23	538.2	1076.4	1614.6	2152.8	2691	3229.2	3767.4	4305.6	4843.8	5382	5920.2	6458.4	6996.6	7534.8	8073	8611.2	9149.4	9687.6	10226	10764	
22	514.8	1029.6	1544.4	2059.2	2574	3088.8	3603.6	4118.4	4633.2	5148	5662.8	6177.6	6692.4	7207.2	7722	8236.8	8751.6	9266.4	9781.2	10296	
21	491.4	982.8	1474.2	1965.6	2457	2948.4	3439.8	3931.2	4422.6	4914	5405.4	5896.8	6388.2	6879.6	7371	7862.4	8353.8	8845.2	9336.6	9828	
20	468	936	1404	1872	2340	2808	3276	3744	4212	4680	5148	5616	6084	6552	7020	7488	7956	8424	8892	9360	
19	444.6	889.2	1333.8	1778.4	2223	2667.6	3112.2	3556.8	4001.4	4446	4890.6	5335.2	5779.8	6224.4	6669	7113.6	7558.2	8002.8	8447.4	8892	
18	421.2	842.4	1263.6	1684.8	2106	2527.2	2948.4	3369.6	3790.8	4212	4633.2	5054.4	5475.6	5896.8	6318	6739.2	7160.4	7581.6	8002.8	8424	
17	397.8	795.6	1193.4	1591.2	1989	2386.8	2784.6	3182.4	3580.2	3978	4375.8	4773.6	5171.4	5569.2	5967	6364.8	6762.6	7160.4	7558.2	7956	
16	374.4	748.8	1123.2	1497.6	1872	2246.4	2620.8	2995.2	3369.6	3744	4118.4	4492.8	4867.2	5241.6	5616	5990.4	6364.8	6739.2	7113.6	7488	
15	351	702	1053	1404	1755	2106	2457	2808	3159	3510	3861	4212	4563	4914	5265	5616	5967	6318	6669	7020	
14	327.6	655.2	982.8	1310.4	1638	1965.6	2293.2	2620.8	2948.4	3276	3603.6	3931.2	4258.8	4586.4	4914	5241.6	5569.2	5896.8	6224.4	6552	
13	304.2	608.4	912.6	1216.8	1521	1825.2	2129.4	2433.6	2737.8	3042	3346.2	3650.4	3954.6	4258.8	4563	4867.2	5171.4	5475.6	5779.8	6084	
12	280.8	561.6	842.4	1123.2	1404	1684.8	1965.6	2246.4	2527.2	2808	3088.8	3369.6	3650.4	3931.2	4212	4492.8	4773.6	5054.4	5335.2	5616	
11	257.4	514.8	772.2	1029.6	1287	1544.4	1801.8	2059.2	2316.6	2574	2831.4	3088.8	3346.2	3603.6	3861	4118.4	4375.8	4633.2	4890.6	5148	
10	234	468	702	936	1170	1404	1638	1872	2106	2340	2574	2808	3042	3276	3510	3744	3978	4212	4446	4680	
9	210.6	421.2	631.8	842.4	1053	1263.6	1474.2	1684.8	1895.4	2106	2316.6	2527.2	2737.8	2948.4	3159	3369.6	3580.2	3790.8	4001.4	4212	
8	187.2	374.4	561.6	748.8	936	1123.2	1310.4	1497.6	1684.8	1872	2059.2	2246.4	2433.6	2620.8	2808	2995.2	3182.4	3369.6	3556.8	3744	
7	163.8	327.6	491.4	655.2	819	982.8	1146.6	1310.4	1474.2	1638	1801.8	1965.6	2129.4	2293.2	2457	2620.8	2784.6	2948.4	3112.2	3276	
6	140.4	280.8	421.2	561.6	702	842.4	982.8	1123.2	1263.6	1404	1544.4	1684.8	1825.2	1965.6	2106	2246.4	2386.8	2527.2	2667.6	2808	
5	117	234	351	468	585	702	819	936	1053	1170	1287	1404	1521	1638	1755	1872	1989	2106	2223	2340	
4	93.6	187.2	280.8	374.4	468	561.6	655.2	748.8	842.4	936	1029.6	1123.2	1216.8	1310.4	1404	1497.6	1591.2	1684.8	1778.4	1872	
3	70.2	140.4	210.6	280.8	351	421.2	491.4	561.6	631.8	702	772.2	842.4	912.6	982.8	1053	1123.2	1193.4	1263.6	1333.8	1404	
2	46.8	93.6	140.4	187.2	234	280.8	327.6	374.4	421.2	468	514.8	561.6	608.4	655.2	702	748.8	795.6	842.4	889.2	936	
1	23.4	46.8	70.2	93.6	117	140.4	163.8	187.2	210.6	234	257.4	280.8	304.2	327.6	351	374.4	397.8	421.2	444.6	468	

This selection chart is based on the calculation set in which this is included  
 Maximum applied moment to the base of 9305 ft. lb. to create the maximum design anchor load of 10535 per anchor  
 This chart is only applicable to a pole base with 4 anchors of 0.75" dia on a 7.5" bolt circle, in reinforced concrete, with a minimum edge distance of 4"  
 red indicates arrangements that are out of design limits.

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