

TTP-3 For Array Ground Clearance of 3 Feet														
Foundation Hole Depth, Height of Pole Above Ground and Total Pole Length for Ground Clearance of 3 Feet at Lowest Part of the Array & Exposure Category B For Various Soil Class and Foundation Hole Diameter. Vertical Pipe is 4-inch Schedule 40. Highlighted sections in the table below require 4-inch Schedule 80 Pipe.														
Soil Type →			Class 3				Class 4				Class 5			
Foundation Diameter →			24"		36"		24"		36"		24"		36"	
Array Tilt Angle ↓	Wind Speed (mph) ↓	Pipe Above Ground (ft)	Hole Depth (ft)	Total Pipe Length (ft)	Hole Depth (ft)	Total Pipe Length (ft)	Hole Depth (ft)	Total Pipe Length (ft)	Hole Depth (ft)	Total Pipe Length (ft)	Hole Depth (ft)	Total Pipe Length (ft)	Hole Depth (ft)	Total Pipe Length (ft)
20°	100	4.7	3.0	7.5	2.5	7.0	3.3	7.8	2.8	7.3	3.9	8.4	3.3	7.8
	120		3.5	7.9	2.9	7.4	3.8	8.3	3.3	7.8	4.5	9.0	3.8	8.3
	140		4.0	8.4	3.3	7.8	4.3	8.8	3.7	8.2	5.1	9.6	4.3	8.8
30°	100	5.5	3.6	8.9	3.1	8.4	4.0	9.3	3.4	8.7	4.7	10.0	4.0	9.3
	120		4.2	9.5	3.6	8.9	4.6	9.9	3.9	9.2	5.4	10.7	4.6	9.9
	140		4.7	10.0	4.0	9.3	5.2	10.5	4.4	9.7	6.1	11.4	5.2	10.5
40°	100	6.2	4.1	10.1	3.5	9.5	4.5	10.5	3.9	9.9	5.3	11.3	4.5	10.5
	120		4.7	10.7	4.0	10.0	5.3	11.2	4.5	10.5	6.2	12.2	5.2	11.2
	140		5.3	11.3	4.5	10.5	5.9	11.9	5.0	11.0	7.0	13.0	5.9	11.9
50°	100	6.8	4.4	11.0	3.8	10.4	4.9	11.5	4.2	10.8	5.8	12.4	4.9	11.5
	120		5.1	11.7	4.4	11.0	5.7	12.3	4.8	11.4	6.6	13.3	5.6	12.1
	140		5.7	12.3	4.9	11.5	6.4	13.0	5.4	12.0	7.5	14.1	6.2	13.0
60°	100	7.3	4.7	11.8	4.0	11.1	5.2	12.3	4.5	11.6	6.1	13.2	5.2	12.3
	120		5.4	12.4	4.6	11.7	6.0	13.1	5.2	12.3	7.1	14.3	6.0	13.1
	140		6.1	13.0	5.2	12.3	6.8	13.9	5.8	12.9	8.0	15.1	6.8	13.9

TTP-3 For Array Ground Clearance of 6 Feet														
Foundation Hole Depth, Height of Pole Above Ground and Total Pole Length for Ground Clearance of 4 Feet at Lowest Part of the Array & Exposure Category B For Various Soil Class and Foundation Hole Diameter. Vertical Pipe is 4-inch Schedule 40. Highlighted sections in the table below require 4-inch Schedule 80 Pipe.														
Soil Type →			Class 3				Class 4				Class 5			
Foundation Diameter →			24"		36"		24"		36"		24"		36"	
Array Tilt Angle ↓	Wind Speed (mph) ↓	Pipe Above Ground (ft)	Hole Depth (ft)	Total Pipe Length (ft)	Hole Depth (ft)	Total Pipe Length (ft)	Hole Depth (ft)	Total Pipe Length (ft)	Hole Depth (ft)	Total Pipe Length (ft)	Hole Depth (ft)	Total Pipe Length (ft)	Hole Depth (ft)	Total Pipe Length (ft)
20°	100	7.7	3.4	10.9	3.0	10.5	3.8	11.3	3.3	10.8	4.5	12.0	3.8	11.3
	120		3.9	11.4	3.4	10.9	4.4	11.9	3.8	11.3	5.2	12.7	4.4	11.9
	140		4.4	11.9	3.8	11.3	5.0	12.5	4.3	11.8	5.8	13.3	5.0	12.5
30°	100	8.5	4.1	12.4	3.5	11.8	4.5	12.8	3.9	12.2	5.3	13.6	4.5	12.8
	120		4.7	13.0	4.0	12.3	5.2	13.5	4.5	12.8	6.1	14.4	5.2	13.5
	140		5.3	13.6	4.5	12.8	5.9	14.2	5.0	13.3	6.9	15.2	5.9	14.2
40°	100	9.2	4.5	13.5	3.8	12.8	5.0	14.0	4.3	13.3	5.8	14.8	5.0	14.0
	120		5.2	14.2	4.4	13.4	5.8	14.8	4.9	13.9	6.7	15.7	5.8	14.8
	140		5.8	14.8	5.0	14.0	6.5	15.5	5.5	14.5	7.6	16.6	6.5	15.5
50°	100	9.8	4.9	14.5	4.2	13.8	5.5	15.1	4.7	14.3	6.4	16.0	5.5	15.1
	120		5.7	15.3	4.8	14.4	6.3	15.9	5.4	15.0	7.4	17.0	6.3	15.9
	140		6.4	16.0	5.4	15.0	7.1	16.7	6.1	15.7	8.3	17.9	7.1	16.7
60°	100	10.3	5.2	15.3	4.5	14.6	5.8	15.9	5.0	15.1	6.8	16.9	5.8	15.9
	120		6.0	16.1	5.2	15.3	6.7	16.8	5.7	15.8	7.8	17.9	6.7	16.8
	140		6.7	16.8	5.8	15.9	7.5	17.6	6.4	16.5	8.8	18.9	7.5	17.6