



INFRASTRUCTURE

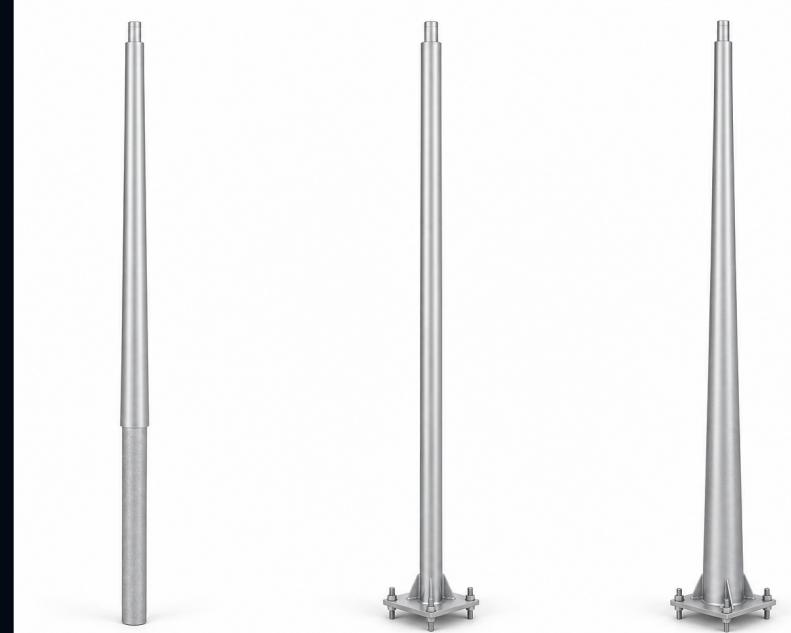
ALUMINUM POLE SYSTEMS

10 FT TO 40 FT | ROUND STRAIGHT & TAPERED

PROJECT-READY POLE OPTIONS

Direct-buried and anchor-base aluminum poles with wind-speed EPA schedules.

H2LIGHTING.NET



SELECT A POLE FAMILY

Three round aluminum configurations cover direct-buried and anchor-base installations.



ROUND TAPERED

DIRECT BURIED

Tapered shaft with an extended embed section. No anchor-base plate.

Schedule columns: height, wall thickness, bottom diameter, top diameter, embed length and maximum EPA.



ROUND STRAIGHT

ANCHOR BASE

Constant-diameter shaft with square base plate and anchor-bolt mounting.

Schedule columns: height, wall thickness, shaft diameter, base size, bolt circle and maximum EPA.



ROUND TAPERED

ANCHOR BASE

Tapered shaft with square base plate and anchor-bolt mounting.

Schedule columns: height, wall thickness, bottom and top diameters, base size, bolt circle and maximum EPA.



SPECIFICATION SCHEDULE - PART 1

Tapered shaft with extended embed section | Height range: 10-40 ft

Height	Wall Thickness	Bottom Diameter	Top Diameter	Embed Part	Maximum EPA				
					90	100	110	120	130
10' (3.048m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	3' (0.9144m)	16.6	13.0	12.2	10.0	8.2
12' (3.6576m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	3' (0.9144m)	12.6	10.0	9.2	7.4	6.0
14' (4.2672m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	3' (0.9144m)	10.0	7.6	7.0	5.6	4.4
16' (4.8768m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	3' (0.9144m)	8.0	6.0	5.4	4.2	3.2
18' (5.4864m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	3' (0.9144m)	6.4	4.6	4.2	3.0	2.2
20' (6.096m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	3' (0.9144m)	4.8	3.4	3.0	2.0	1.4
20' (6.096m)	Gauge 8/0.125"/3.2mm	6" (152mm)	4.5" (114.3mm)	4' (1.2192m)	12.0	9.2	8.4	6.8	5.6
20' (6.096m)	Gauge 6/0.156"/3.8mm	6" (152mm)	4.5" (114.3mm)	4' (1.2192m)	16.0	12.2	11.2	9.2	7.6
20' (6.096m)	Gauge 5/0.188"/4.8mm	6" (152mm)	4.5" (114.3mm)	4' (1.2192m)	20.0	15.4	14.2	11.6	9.8
20' (6.096m)	Gauge 6/0.156"/3.8mm	7" (180mm)	4.5" (114.3mm)	5' (1.524m)	24.0	18.8	17.4	14.2	12.0
20' (6.096m)	Gauge 5/0.188"/4.8mm	7" (180mm)	4.5" (114.3mm)	5' (1.524m)	29.4	23.2	21.4	17.8	15.0
20' (6.096m)	Gauge 6/0.156"/3.8mm	8" (200mm)	4.5" (114.3mm)	5' (1.524m)	33.0	26.2	24.2	20.2	17.0
20' (6.096m)	Gauge 5/0.188"/4.8mm	8" (200mm)	4.5" (114.3mm)	5' (1.524m)	40.4	32.0	29.8	24.8	21.0
22' (6.7056m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	3' (0.9144m)	3.6	2.4	2.0	1.2	-



EPA REFERENCE

Maximum EPA at 90, 100, 110, 120 and 130 mph

Part 1 of 2

SPECIFICATION SCHEDULE - PART 2

Tapered shaft with extended embed section | Height range: 10-40 ft

Height	Wall Thickness	Bottom Diameter	Top Diameter	Embed Part	Maximum EPA				
					90	100	110	120	130
25' (7.62m)	Gauge 6/0.156"/3.8mm	6" (152mm)	4.5" (114.3mm)	4' (1.2192m)	10.0	7.2	6.6	5.2	4.2
25' (7.62m)	Gauge 5/0.188"/4.8mm	6" (152mm)	4.5" (114.3mm)	4' (1.2192m)	12.8	9.6	8.8	7.0	5.8
25' (7.62m)	Gauge 6/0.156"/3.8mm	7" (180mm)	4.5" (114.3mm)	5' (1.524m)	16.0	12.2	11.2	9.0	7.4
25' (7.62m)	Gauge 5/0.188"/4.8mm	7" (180mm)	4.5" (114.3mm)	5' (1.524m)	20.2	15.6	14.2	11.6	9.6
25' (7.62m)	Gauge 6/0.156"/3.8mm	8" (200mm)	4.5" (114.3mm)	5' (1.524m)	22.8	17.8	16.4	13.4	11.2
25' (7.62m)	Gauge 5/0.188"/4.8mm	8" (200mm)	4.5" (114.3mm)	5' (1.524m)	28.4	22.4	20.6	17.0	14.2
30' (9.144m)	Gauge 6/0.156"/3.8mm	7" (180mm)	4.5" (114.3mm)	5' (1.524m)	10.6	7.6	6.8	5.2	4.2
30' (9.144m)	Gauge 5/0.188"/4.8mm	7" (180mm)	4.5" (114.3mm)	5' (1.524m)	13.8	10.2	9.2	7.4	6.0
30' (9.144m)	Gauge 6/0.156"/3.8mm	8" (200mm)	4.5" (114.3mm)	5' (1.524m)	16.0	12.0	11.0	8.8	7.2
30' (9.144m)	Gauge 5/0.188"/4.8mm	8" (200mm)	4.5" (114.3mm)	5' (1.524m)	20.4	15.8	14.4	11.6	9.6
35' (10.668m)	Gauge 6/0.156"/3.8mm	8"/200mm	4.5" (114.3mm)	5' (1.524m)	11.0	7.8	7.0	5.4	4.4
35' (10.668m)	Gauge 5/0.188"/4.85mm	8"/200mm	4.5" (114.3mm)	5' (1.524m)	14.6	10.8	9.8	7.8	6.2
35' (10.668m)	Gauge 4/125/0.25"/6.35mm	10"/254mm	6" (152.4mm)	6' (1.8288m)	39.0	31.2	29.0	24.0	20.0
40' (12.192m)	Gauge 5/0.188"/4.85mm	8"/200mm	4.5" (114.3mm)	5' (1.524m)	10.2	7.0	6.4	4.8	3.6
40' (12.192m)	Gauge 4/125/0.25"/6.35mm	10"/254mm	6" (152.4mm)	6' (1.8288m)	30.6	24.2	22.4	18.6	15.4



EPA REFERENCE

Maximum EPA at 90, 100, 110, 120 and 130 mph

[Part 2 of 2](#)

SPECIFICATION SCHEDULE - PART 1

Straight shaft with square base and bolt circle | Height range: 10-40 ft

Height	Wall Thickness	Bottom Diameter	Base (Square)	Bolt Circle	Maximum EPA				
					90	100	110	120	130
10' (3.048m)	Gauge 8/0.125"/3.2mm	5" (127mm)	8.8"/224mm	8.4 – 9.4	15.8	12.4	11.6	9.6	8.2
12' (3.6576m)	Gauge 8/0.125"/3.2mm	5" (127mm)	8.8"/224mm	8.4 – 9.4	12.0	9.4	8.6	7.2	6.0
14' (4.2672m)	Gauge 8/0.125"/3.2mm	5" (127mm)	8.8"/224mm	8.4 – 9.4	9.2	7.0	6.4	5.2	4.4
16' (4.8768m)	Gauge 8/0.125"/3.2mm	5" (127mm)	8.8"/224mm	8.4 – 9.4	7.1	5.1	4.7	3.8	3.1
16' (4.8768m)	Gauge 6/0.156"/3.8mm	6" (152mm)	10.2"/260mm	10.7 – 11.5	19.2	15.4	14.4	11.8	10.0
16' (4.8768m)	Gauge 5/0.188"/4.8mm	6" (152mm)	10.2"/260mm	10.7 – 11.5	23.8	19.0	17.6	14.6	12.4
18' (5.4864m)	Gauge 8/0.125"/3.2mm	5" (127mm)	8.8"/224mm	8.4 – 9.4	5.4	3.6	3.3	2.6	2.0
18' (5.4864m)	Gauge 5/0.188"/4.8mm	6" (152mm)	10.2"/260mm	10.7 – 11.5	19.6	15.6	14.6	12.0	10.0
20' (6.096m)	Gauge 8/0.125"/3.2mm	5" (127mm)	8.8"/224mm	8.4 – 9.4	3.8	2.3	2.1	1.5	1.1
20' (6.096m)	Gauge 8/0.125"/3.2mm	6" (152mm)	10.2"/260mm	10.7 – 11.5	9.4	7.4	6.8	5.6	4.6
20' (6.096m)	Gauge 6/0.156"/3.8mm	6" (152mm)	10.2"/260mm	10.7 – 11.5	12.8	10.2	9.4	7.6	6.4
20' (6.096m)	Gauge 5/0.188"/4.8mm	6" (152mm)	10.2"/260mm	10.7 – 11.5	16.2	12.8	12.0	9.8	8.2
20' (6.096m)	Gauge 6/0.156"/3.8mm	7" (180mm)	12"/305mm	11.1 – 12.3	20.0	15.8	14.8	12.2	10.2
20' (6.096m)	Gauge 5/0.188"/4.8mm	7" (180mm)	12"/305mm	11.1 – 12.3	24.6	19.6	18.4	15.2	12.8
20' (6.096m)	Gauge 6/0.156"/3.8mm	8" (200mm)	12"/305mm	11.1 – 12.3	28.2	22.4	21.0	17.4	14.6
20' (6.096m)	Gauge 5/0.188"/4.8mm	8" (200mm)	12"/305mm	11.1 – 12.3	34.4	27.6	25.6	21.4	18.0



EPA REFERENCE

Maximum EPA at 90, 100, 110, 120 and 130 mph

[Part 1 of 2](#)



SPECIFICATION SCHEDULE - PART 2

Straight shaft with square base and bolt circle | Height range: 10-40 ft

Height	Wall Thickness	Bottom Diameter	Base (Square)	Bolt Circle	Maximum EPA				
					90	100	110	120	130
25' (7.62m)	Gauge 6/0.156"/3.8mm	6" (152mm)	10.2"/260mm	10.7 – 11.5	7.4	5.6	5.2	4.1	3.3
25' (7.62m)	Gauge 5/0.188"/4.8mm	6" (152mm)	10.2"/260mm	10.7 – 11.5	10.0	7.6	7.1	5.7	4.6
25' (7.62m)	Gauge 6/0.156"/3.8mm	7" (180mm)	12"/305mm	11.1 – 12.3	13.0	10.2	9.4	7.6	6.3
25' (7.62m)	Gauge 5/0.188"/4.8mm	7" (180mm)	12"/305mm	11.1 – 12.3	16.4	13.0	12.0	9.8	8.2
25' (7.62m)	Gauge 6/0.156"/3.8mm	8" (200mm)	12"/305mm	11.1 – 12.3	19.2	15.2	14.2	11.6	9.8
25' (7.62m)	Gauge 5/0.188"/4.8mm	8" (200mm)	12"/305mm	11.1 – 12.3	24.0	19.0	17.8	14.6	12.2
30' (9.144m)	Gauge 5/0.188"/4.8mm	6" (152mm)	10.2"/260mm	10.7 – 11.5	5.6	4.2	3.8	2.9	2.2
30' (9.144m)	Gauge 6/0.156"/3.8mm	7" (180mm)	12"/305mm	11.1 – 12.3	8.0	6.0	5.6	4.4	3.5
30' (9.144m)	Gauge 5/0.188"/4.8mm	7" (180mm)	12"/305mm	11.1 – 12.3	10.8	8.4	7.7	6.2	5.0
30' (9.144m)	Gauge 6/0.156"/3.8mm	8" (200mm)	12"/305mm	11.1 – 12.3	13.2	10.2	9.4	7.6	6.3
30' (9.144m)	Gauge 5/0.188"/4.8mm	8" (200mm)	12"/305mm	11.1 – 12.3	17.0	13.4	12.4	10.1	8.4
35' (10.668m)	Gauge 6/0.156"/3.8mm	8"/200mm	12"/305mm	11.1 – 12.3	8.6	6.4	6.0	4.7	3.8
35' (10.668m)	Gauge 5/0.188"/4.85mm	8"/200mm	12"/305mm	11.1 – 12.3	11.8	9.0	8.4	6.6	5.4
35' (10.668m)	Gauge 4/125/0.25"/6.35mm	10"/254mm	13"/329mm	13 – 15	28.8	22.8	21.0	16.6	13.2
40' (12.192m)	Gauge 5/0.188"/4.85mm	8"/200mm	12"/305mm	11.1 – 12.3	7.6	5.8	5.2	4.0	3.1
40' (12.192m)	Gauge 4/125/0.25"/6.35mm	10"/254mm	13"/329mm	13 – 15	26.2	20.8	19.0	14.8	11.6



EPA REFERENCE

Maximum EPA at 90, 100, 110, 120 and 130 mph

[Part 2 of 2](#)

SPECIFICATION SCHEDULE - PART 1

Tapered shaft with square base and bolt circle | Height range: 10-40 ft

Height	Wall Thickness	Bottom Diameter	Top Diameter	Base (Square)	Bolt Circle	Maximum EPA				
						90	100	110	120	130
10' (3.048m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	8.8"/224mm	8.4 – 9.4	16.6	13.0	12.2	10.0	8.2
12' (3.6576m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	8.8"/224mm	8.4 – 9.4	12.6	10.0	9.2	7.4	6.0
14' (4.2672m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	8.8"/224mm	8.4 – 9.4	10.0	7.6	7.0	5.6	4.4
16' (4.8768m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	8.8"/224mm	8.4 – 9.4	8.0	6.0	5.4	4.2	3.2
16' (4.8768m)	Gauge 5/0.188"/4.8mm	6" (152mm)	4.5" (114.3mm)	10.2"/260mm	10.7 – 11.5	24.2	19.0	17.6	14.6	12.2
18' (5.4864m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	8.8"/224mm	8.4 – 9.4	6.4	4.6	4.2	3.0	2.2
18' (5.4864m)	Gauge 6/0.156"/3.8mm	6" (152mm)	4.5" (114.3mm)	10.2"/260mm	10.7 – 11.5	16.2	12.4	11.6	9.4	7.8
18' (5.4864m)	Gauge 5/0.188"/4.8mm	6" (152mm)	4.5" (114.3mm)	10.2"/260mm	10.7 – 11.5	20.0	15.6	14.4	11.8	10.0
18' (5.4864m)	Gauge 5/0.188"/4.8mm	7" (180mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	24.0	18.8	17.4	14.4	12.0
20' (6.096m)	Gauge 8/0.125"/3.2mm	5" (127mm)	3" (76.2mm)	8.8"/224mm	8.4 – 9.4	5.0	3.4	3.0	2.0	1.4
20' (6.096m)	Gauge 8/0.125"/3.2mm	6" (152mm)	4.5" (114.3mm)	10.2"/260mm	10.7 – 11.5	10.0	7.4	6.8	5.4	4.4
20' (6.096m)	Gauge 6/0.156"/3.8mm	6" (152mm)	4.5" (114.3mm)	10.2"/260mm	10.7 – 11.5	13.2	10.0	9.2	7.4	6.2
20' (6.096m)	Gauge 5/0.188"/4.8mm	6" (152mm)	4.5" (114.3mm)	10.2"/260mm	10.7 – 11.5	16.6	12.8	11.8	9.6	8.0
20' (6.096m)	Gauge 6/0.156"/3.8mm	7" (180mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	20.2	15.6	14.4	11.8	10.0
20' (6.096m)	Gauge 5/0.188"/4.8mm	7" (180mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	24.8	19.6	18.0	14.8	12.4
20' (6.096m)	Gauge 6/0.156"/3.8mm	8" (200mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	28.0	22.2	20.6	17.0	14.2
20' (6.096m)	Gauge 5/0.188"/4.8mm	8" (200mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	34.4	27.2	25.4	21.0	17.6



EPA REFERENCE

Maximum EPA at 90, 100, 110, 120 and 130 mph

[Part 1 of 2](#)

SPECIFICATION SCHEDULE - PART 2

Tapered shaft with square base and bolt circle | Height range: 10-40 ft

Height	Wall Thickness	Bottom Diameter	Top Diameter	Base (Square)	Bolt Circle	Maximum EPA				
						90	100	110	120	130
20' (6.096m)	Gauge 5/0.188"/4.8mm	8" (200mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	34.4	27.2	25.4	21.0	17.6
25' (7.62m)	Gauge 6/0.156"/3.8mm	6" (152mm)	4.5" (114.3mm)	10.2"/260mm	10.7 – 11.5	8.0	5.6	5.0	4.0	3.2
25' (7.62m)	Gauge 5/0.188"/4.8mm	6" (152mm)	4.5" (114.3mm)	10.2"/260mm	10.7 – 11.5	10.4	7.6	7.0	5.4	4.4
25' (7.62m)	Gauge 6/0.156"/3.8mm	7" (180mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	13.0	9.8	9.0	7.2	5.8
25' (7.62m)	Gauge 5/0.188"/4.8mm	7" (180mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	16.6	12.8	11.6	9.4	7.8
25' (7.62m)	Gauge 6/0.156"/3.8mm	8" (200mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	19.0	14.8	13.6	11.0	9.2
25' (7.62m)	Gauge 5/0.188"/4.8mm	8" (200mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	23.8	18.6	17.2	14.0	11.8
30' (9.144m)	Gauge 6/0.156"/3.8mm	7" (180mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	8.4	5.8	5.2	4.0	3.0
30' (9.144m)	Gauge 5/0.188"/4.8mm	7" (180mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	11.0	8.0	7.2	5.6	4.6
30' (9.144m)	Gauge 6/0.156"/3.8mm	8" (200mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	13.0	9.6	8.8	7.0	5.6
30' (9.144m)	Gauge 5/0.188"/4.8mm	8" (200mm)	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	16.8	12.6	11.6	9.4	7.6
30' (9.144m)	Gauge 4/125/0.25"/6.35mm	10"/254mm	6" (152.4mm)	13"/329mm	13 – 15	42.4	33.8	31.6	26.2	22.0
35' (10.668m)	Gauge 6/0.156"/3.8mm	8"/200mm	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	8.6	6.0	5.4	4.0	3.0
35' (10.668m)	Gauge 5/0.188"/4.85mm	8"/200mm	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	11.6	8.4	7.6	5.8	4.6
35' (10.668m)	Gauge 4/125/0.25"/6.35mm	10"/254mm	6" (152.4mm)	13"/329mm	13 – 15	32.6	25.8	24.0	19.8	16.6
40' (12.192m)	Gauge 5/0.188"/4.85mm	8"/200mm	4.5" (114.3mm)	12"/305mm	11.1 – 12.3	7.8	5.2	4.6	3.2	2.4
40' (12.192m)	Gauge 4/125/0.25"/6.35mm	10"/254mm	6" (152.4mm)	13"/329mm	13 – 15	25.2	19.8	18.4	15.0	12.4



EPA REFERENCE

Maximum EPA at 90, 100, 110, 120 and 130 mph

[Part 2 of 2](#)