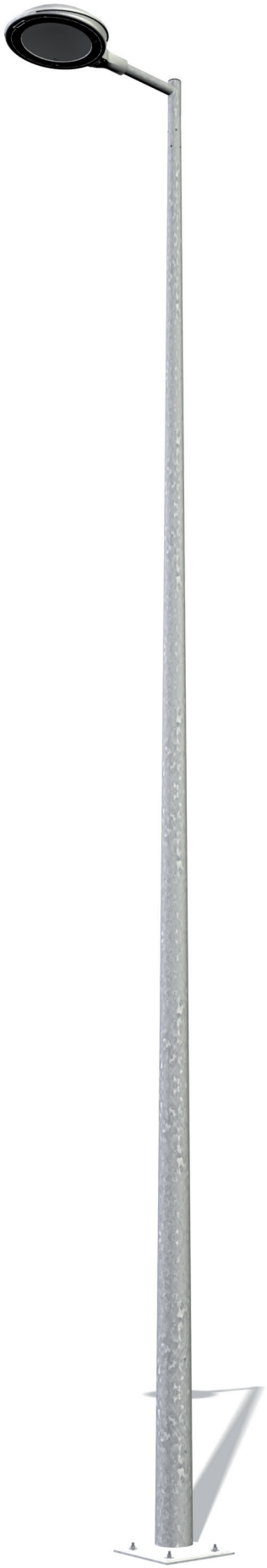

Avon

Round Conical

Description and Specification

Conical steel columns give projects a great budget option to make an aesthetically pleasing feature on our a project, with its cleaner aesthetic due to a tapering silhouette in a circular form. The structures are designed with a discreet vertical protruding weld seam with the option to upgrade to our SWT decorative specification conical columns should it be desired.

Light Duty SWT columns (12mm taper) and Heavy Duty SWT columns (17mm/m taper) columns are available in mounting heights from 4 to 12 metres. They can be used for post top applications or supplied with demountable or integral bracket arm arrangements. Valmont operates a Quality Assurance system which complies with requirements of BS EN ISO 9001. Our welders and welding procedures are independently certified in accordance with EN ISO 9606 and EN ISO 15607.


Galvanized Steel

Finishing Options

As a standard, Valmont steel columns are galvanized to extend product longevity. Valmont offers several decorative finishing options including polyester power coating, wet painting, and sublimation. For more information contact your local Valmont representative.


RAL and AkzoNoble colour systems are available upon request.

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Avon *Round Conical*

Planted Root Dimensions

Height (m)	Top (mm)	Base (mm)	Height (mm)	Width (mm)	Position (mm)	Root (mm)	Mounting Arrangement	Projection (m)
4	76	146	500	100	500	800	PT/SA/DA	0.5
5	76	146	500	100	500	800	PT/SA/DA	0.5
6	76	160	500	100	500	1000	PT/SA/DA	0.5
8	76	186	600	115	500	1200	PT/SA/DA	1
10	76	214	600	115	500	1500	PT/SA/DA	1
12	76	240	600	115	500	1700	PT/SA/DA	1
4	76	157	500	100	500	800	PT/SA/DA	0.5
5	76	175	500	100	500	800	PT/SA/DA	0.5
6	76	195	500	100	500	1000	PT/SA/DA	0.5
8	76	232	600	115	500	1200	PT/SA/DA	1
10	76	272	600	115	500	1500	PT/SA/DA	1
12	76	309	600	115	500	1700	PT/SA/DA	1

Flange Plated Dimensions

Height (m)	Top (mm)	Base (mm)	Height (mm)	Width (mm)	Position (mm)	Mounting Arrangement	Projection (m)	Width (mm)	Bolt Circle (mm)	Anchor Bolts
4	76	136	500	100	400	PT/SA/DA	0.5	260	200	M18 x 400
5	76	136	500	100	400	PT/SA/DA	0.5	260	200	M18 x 400
6	76	148	500	100	400	PT/SA/DA	0.5	260	200	M18 x 400
8	76	172	600	115	400	PT/SA/DA	1	420	300	M24 x 820
10	76	196	600	115	400	PT/SA/DA	1	420	300	M24 x 820
12	76	220	600	115	400	PT/SA/DA	1	420	300	M24 x 820
4	76	144	500	100	400	PT/SA/DA	0.5	260	200	M18 x 400
5	76	161	500	100	400	PT/SA/DA	0.5	260	200	M18 x 400
6	76	178	500	100	400	PT/SA/DA	0.5	260	200	M18 x 400
8	76	212	600	115	400	PT/SA/DA	1	420	300	M24 x 820
10	76	246	600	115	400	PT/SA/DA	1	420	300	M24 x 820
12	76	280	600	115	400	PT/SA/DA	1	420	300	M24 x 820

Headload Capacity

Height (m)	Mounting Type	Projection (mm)	Mass (kg)	22m/s CAT II	22m/s CAT I	24m/s CAT II	24m/s CAT I	26m/s CAT III	26m/s CAT II	26m/s CAT I	28m/s CAT III	28m/s CAT II	28m/s CAT I	30m/s CAT III	30m/s CAT II	30m/s CAT I	32m/s CAT III	32m/s CAT II	32m/s CAT I	34m/s CAT I	36m/s CAT I	M (kNm)	T (kN)	Foundation Size (m)	Concrete Ø (mm)
4	PT	-	30	1.23	0.96	1.00	0.80	0.96	0.83	0.66	0.81	0.71	0.56	0.69	0.61	0.47	0.60	0.52	0.41	0.36	0.32	4.62	1.32	0.4 x 0.6	559
5	PT	-	30	0.75	0.58	0.60	0.46	0.61	0.49	0.38	0.50	0.41	0.31	0.42	0.34	0.26	0.36	0.29	0.22	0.19	0.16	4.50	1.21	0.4 x 0.6	531
6	PT	-	30	0.73	0.56	0.58	0.44	0.62	0.46	0.36	0.51	0.39	0.30	0.42	0.32	0.24	0.36	0.27	0.20	0.17	0.15	5.83	1.34	0.4 x 0.7	354
8	PT	-	30	0.48	0.36	0.37	0.27	0.43	0.28	0.21	0.35	0.22	0.16	0.27	0.17	0.13	0.22	0.14	0.10	0.08	0.06	7.41	1.59	0.4 x 0.8	258
10	PT	-	30	0.91	0.73	0.73	0.58	0.83	0.58	0.47	0.69	0.48	0.39	0.57	0.41	0.32	0.48	0.34	0.27	0.22	0.18	15.61	2.50	0.6 x 1	278
12	PT	-	30	0.90	0.74	0.72	0.58	0.82	0.58	0.46	0.67	0.47	0.38	0.55	0.39	0.30	0.46	0.32	0.24	0.18	0.13	20.82	2.89	0.6 x 1.2	253
4	PT	-	30	1.34	1.06	1.10	0.87	1.05	0.92	0.73	0.89	0.78	0.62	0.77	0.67	0.52	0.66	0.58	0.45	0.40	0.35	4.94	1.40	0.4 x 0.6	599
5	PT	-	30	1.40	1.12	1.16	0.91	1.18	0.96	0.77	0.99	0.82	0.65	0.84	0.70	0.55	0.74	0.60	0.47	0.41	0.37	7.03	1.69	0.4 x 0.7	831
6	PT	-	30	1.39	1.12	1.14	0.91	1.23	0.94	0.76	1.03	0.80	0.64	0.88	0.68	0.55	0.77	0.59	0.47	0.41	0.36	9.09	1.88	0.4 x 0.8	552
8	PT	-	30	1.13	0.91	0.91	0.74	1.07	0.76	0.61	0.89	0.63	0.51	0.76	0.53	0.42	0.65	0.45	0.37	0.31	0.26	12.07	2.25	0.5 x 0.9	420
10	PT	-	30	2.07	1.71	1.69	1.41	1.93	1.42	1.18	1.63	1.20	0.99	1.39	1.02	0.83	1.20	0.87	0.71	0.61	0.51	26.14	3.56	0.7 x 1.3	466
12	PT	-	30	2.13	1.78	1.75	1.46	1.95	1.45	1.21	1.64	1.22	1.00	1.39	1.03	0.83	1.19	0.87	0.70	0.58	0.48	34.97	4.49	0.8 x 1.4	426

All dimensions and technical information given as an indication. Valmont reserves the right to make, without delay and without prior notice, the technical or aesthetic modifications that it deems necessary to improve the products of the Standard Collection.

* Mounting Arrangement Abbreviations: PT = Post Top, SA = Single Arm, DA = Double Arm, QA = Quad Arm, FL = Floodlight, SE = Side Entry, CB = Crossbar, CR = Crown, PF = Platform, OT = Other
* Speeds given are basic 10 minute mean wind speeds in 2m/s increments, if national wind speeds lie between these figures please interpret using linear interpolation.
*** M** = Bending moment at baseplate, **T** = Shear force at baseplate.

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