

Derwent

Mid-Hinged Octagonal

Description and Specification

A mid-hinged octagonal lighting column designed around a simple see-saw principle allowing the column lower into its own footprint.

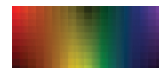
Column heights range from 6 to 18 metres and can be used for post top applications or supplied with demountable bracket arm arrangements. Raising and lowering operation is achieved by either a simple rope for lower capacities or by a manual winch system where larger headweights are required. The headweight table details which lowering mechanisms is required with each headload capacity. The standard corrosion protection system is hot dip galvanised to BS EN 1461. In addition, a variety of root treatments and full paint specification options are available. Valmont Structures 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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



Planted Root Dimensions

								
Height (m)	Top (mm)	Base (mm)	Height (mm)	Width (mm)	Position (mm)	Root (mm)	Mounting Arrangement	Projection (m)
6	76	212	600	135	300	1000	-	0
8	76	212	600	135	300	1200	-	0
10	76	255	600	135	300	1500	-	0
12	76	272	600	135	300	1700	-	0
15	102	346	600	135	300	2000	-	0
18	102	398	600	135	300	2000	-	0

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
6	76	212	600	135	300	-	0	420	300	M24 x 820
8	76	212	600	135	300	-	0	420	300	M24 x 820
10	76	255	600	135	300	-	0	420	300	M24 x 820
12	76	272	600	135	300	-	0	430	300	M30 x 1070
15	102	346	600	135	300	-	0	Ø530	450 P.C.D	8 No. M24 x 820
18	102	398	600	135	300	-	0	Ø600	520 P.C.D	8 No. M24 x 820

Headload Capacity

																									
				22m/s			24m/s			26m/s			28m/s			30m/s				32m/s			34m/s 36m/s		
				CAT			CAT			CAT			CAT			CAT					CAT			M	T
Height (m)	Mounting Type	Projection (mm)	Mass (kg)	II	I	II	I	III	II	I	III	II	I	III	II	I	III	II	I	I	I	(kNm)	(kN)	Foundation Size (m)	Concrete Ø (mm)
6	PT	0	150	3.04	2.45	2.5	2.01	2.69	2.08	1.66	2.27	1.75	1.39	1.93	1.49	1.18	1.66	1.26	0.99	0.84	0.72	22.96	5.48	0.7 x 1.3	1395
8	PT	0	150	1.8	1.44	1.45	1.14	1.68	1.17	0.91	1.38	0.95	0.73	1.15	0.78	0.58	0.95	0.63	0.45	0.36	0.27	0	5.53	0.7 x 1.3	866
10	PT	0	150	2.31	1.85	1.84	1.45	2.1	1.47	1.14	1.71	1.18	0.88	1.4	0.93	0.68	1.15	0.74	0.5	0.36	0.23	0	7.45	0.8 x 1.6	724
12	PT	0	150	2.62	2.16	2.12	1.73	2.38	1.73	1.4	1.99	1.43	1.11	1.66	1.16	0.85	1.4	0.92	0.65	0.48	0.35	0	9.90	1 x 1.9	750
15	PT	0	150	3.75	3.11	3	2.48	3.32	2.44	1.98	2.75	1.99	1.59	2.28	1.63	1.21	1.91	1.28	0.87	0.6	0.37	0	14.27	2 x 1.3	844

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.