

Fluance Single

Curved Round Conical

Description and Specification

The Fluance arc is a simple interpretation of the plant theme, and should be thought of as a blade of grass. Symmetry can be created by repeating the same shape down the length of a path or roadway. In contrast, a more random or "natural" look can be created by modulating the columns. This modulation is similar to wind in the grass, and will result in a playful and dynamic installation.

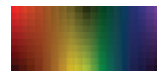
100% Steel range, incorporating 30% Recycled Steel. Columns are available from 4.5 to 12 metres. Fluance columns are constructed from High-Strength S420 Steel using Valmont's Seamless Weld Technology. The columns are then cold formed to create the Fluance Arc. This range is designed according to standard EN40 part 1 to 6 and has obtained CE marking 1166-CPD-0004.



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)
4.5	60	130	400	75	500	800	SA	0.3
5	60	138	400	75	500	800	SA	0.3
6	60	151	500	85	500	1000	SA	0.3
7	60	170	500	90	500	1200	SA	0.3
8	60	183	500	90	500	1200	SA	0.3
9	60	202	500	90	500	1500	SA	0.3
10	60	215	500	90	500	1500	SA	0.3
11	60	238	500	100	500	1700	SA	0.3
12	60	257	500	105	500	1700	SA	0.3

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
4.5	60	130	400	75	500	SA	0.3	271	200	M14/M16 x 300
5	60	138	400	75	500	SA	0.3	271	200	M14/M16 x 300
6	60	151	500	85	500	SA	0.3	412	300	M18/M20 x 400
7	60	170	500	90	500	SA	0.3	412	300	M18/M20 x 400
8	60	183	500	90	500	SA	0.3	412	300	M18/M20 x 400
9	60	202	500	90	500	SA	0.3	412	300	M18/M20 x 400
10	60	215	500	90	500	SA	0.3	412	300	M18/M20 x 400
11	60	238	500	100	500	SA	0.3	400	300	M18/M20 x 400
12	60	257	500	105	500	SA	0.3	400	300	M18/M20 x 400

Headload Capacity

Height (m)	Mounting Type	Projection (mm)	Mass (kg)													M (kNm)	T (kN)	Foundation Size (m)	Concrete Ø (mm)						
				22m/s		24m/s		26m/s		28m/s		30m/s		32m/s						34m/s 36m/s					
		CAT		CAT		CAT		CAT		CAT		CAT		CAT											
4.5	SA	0.3	30	1.19	0.92	0.97	0.76	0.90	0.81	0.62	0.76	0.68	0.52	0.65	0.57	0.43	0.55	0.48	0.38	0.32	0.28	4.64	1.42	0.4 x 0.6	554
5	SA	0.3	30	1.25	0.97	1.02	0.79	0.97	0.83	0.65	0.82	0.70	0.54	0.69	0.59	0.45	0.59	0.50	0.39	0.33	0.29	5.50	1.54	0.4 x 0.7	649
6	SA	0.3	30	1.18	0.93	0.96	0.75	0.98	0.79	0.61	0.82	0.65	0.50	0.69	0.55	0.42	0.58	0.46	0.36	0.31	0.27	7.03	1.70	0.4 x 0.8	427
7	SA	0.3	30	1.26	0.99	1.02	0.80	1.09	0.83	0.65	0.90	0.69	0.53	0.76	0.58	0.44	0.64	0.48	0.38	0.33	0.28	9.05	1.95	0.5 x 0.8	319
8	SA	0.3	30	1.22	0.96	0.98	0.77	1.11	0.80	0.63	0.91	0.66	0.51	0.77	0.55	0.42	0.65	0.46	0.37	0.31	0.26	11.06	2.16	0.5 x 0.9	385
9	SA	0.3	30	1.16	0.91	0.92	0.73	1.09	0.75	0.58	0.90	0.61	0.48	0.75	0.50	0.40	0.63	0.42	0.33	0.28	0.23	13.41	2.40	0.5 x 1	241
10	SA	0.3	30	1.22	0.97	0.97	0.78	1.15	0.80	0.63	0.94	0.65	0.51	0.80	0.54	0.42	0.67	0.45	0.36	0.29	0.24	16.60	2.75	0.6 x 1	296
11	SA	0.3	30	1.30	1.06	1.04	0.84	1.22	0.85	0.68	1.00	0.70	0.55	0.83	0.58	0.44	0.70	0.47	0.37	0.30	0.25	21.02	3.23	0.6 x 1.2	258
12	SA	0.3	30	1.27	1.04	1.02	0.82	1.17	0.83	0.66	0.96	0.67	0.53	0.80	0.55	0.42	0.67	0.45	0.35	0.28	0.23	24.09	3.54	0.7 x 1.2	293

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.