

### SPECIFICATIONS

**Pole:** Smooth poles are formed from spun tapered seamless 6063 alloy aluminum tubes with a 4" O.D. x 24" tubular top diameter. Shaft is polished with fine grain aluminum oxide cloths, resulting in a high quality, circumferential satin-brushed surface.



**Anchor Base:** Anchor base is cast from A356 alloy aluminum. The anchor base casting and shaft are joined by a continuous circumferential weld at the inside bottom of the anchor base. The completed assembly is heat-treated to T6 temper after all structural welding is completed.

**Flush Handhole:** A peripherally reinforced flush covered handhole centered 12" above the bottom of the pole is provided. The opening in the 6" diameter pole is 3" x 5". The opening in the 7" diameter pole is 4" x 6". The handhole is welded tangent to the shaft and both are polished at the same time with fine grain aluminum oxide cloths.

**Fixture Mounting:** The top of the pole is sized and drilled to match Vista #3 and Vista #4 pole top assemblies.

**Anchor Bolt:** Anchor bolts are fabricated from carbon steel bar conforming to the requirements of ASTM F1554 Grade 55. The upper 12" of the bolts are hot dip galvanized per ASTM A153. Each anchor bolt is supplied with two hex nuts and two flat washers.

**Electrical Ground Connector:** To facilitate grounding connection, a tapped hole is drilled into the bottom plate of the casting. The hole is accessible from the access door and is sized for a 3/8" bolt with standard threads.

**Finish:** The finish for the pole is polyester powder applied coating in accordance with Valmont Industries' Specifications.

## CATALOG LOGIC

SERIES	MATERIAL	BASE DIAMETER	POLE CROSS SECTION	SHAFT THICKNESS	FLUTE LAYOUT	LENGTH	FIXTURE MOUNTING	FINISH	OPTIONS
<b>CQ</b>	<b>A</b>		<b>210</b>		<b>VS</b>		<b>VS</b>		
<b>SERIES</b> CQ = City Quartz	<b>MATERIAL</b> A = Aluminum	<b>BASE DIA.</b> <sup>①</sup> 6 = 6" 7 = 7"	<b>POLE CROSS SECTION</b> 210 = Smooth Tapered	<b>SHAFT THICKNESS</b> <sup>①</sup> 5 = .156" Wall 6 = .188" Wall 8 = .250" Wall	<b>FLUTE LAYOUT</b> VS = Smooth Pole for Vista #3 and Vista #4 Series	<b>LENGTH</b> <sup>①</sup> 080 = 8'-0" 100 = 10'-0" 120 = 12'-0" 140 = 14'-0" 160 = 16'-0" 180 = 18'-0" 200 = 20'-0" 250 = 25'-0"	<b>FIXTURE MOUNTING</b> VS = Wiring Holes for Vista #3 and Vista #4	<b>STANDARD FINISHES</b> WH = White BK = Black MB = Medium Bronze SG = Slate Grey ST = Sandstone SL = Silver BR = Burgandy NA = Natural Aluminum <sup>②</sup> RD = Red CG = Copper Green BG = Blue Green HG = Hunter Green AB = Azure Blue BV = Dark Blue Violet SC = Special Color (Please Specify)	<b>OPTIONS</b> NC = Fluted Nut Covers HB = Hinge Base No Handhole HBH = Hinge Base with Handhole SL = Special Pole Length (Please Specify)

① For available base diameter, wall thickness and length combinations, see Dimensional Load Data table that follows.

② Available on smooth "VS" poles for Vista #3 and Vista #4 only.



# 8' TO 25' ROUND TAPERED SMOOTH "210 VS" SERIES

**valmont**

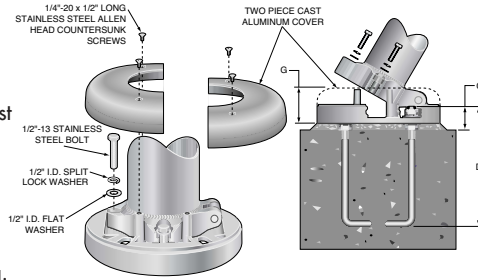
STRUCTURES

**CITY QUARTZ ALUMINUM**

## ANCHOR BASE AND BOLT DIMENSIONS

### Optional Hinged Base Cover

The contemporary smooth designed hinged base cover is cast from aluminum and available in 5", 6" and 7" base O.D. poles with a maximum height of 20'. Specific base and anchor dimensions are available in Section A5 of the Valmont Aluminum Catalog.

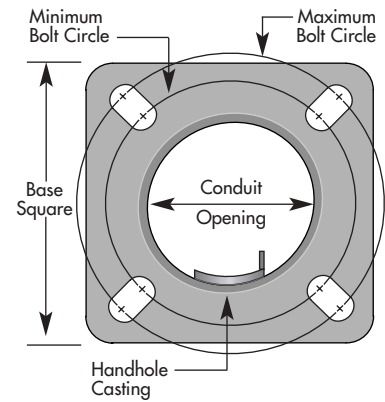


### Flush Reinforced Handhole

The handhole welded tangent to the shaft is polished with fine grain aluminum oxide cloths at the same time as the shaft offering a unique flush design.

POLE DIA. (IN)	BASE DIMENSIONS (SEE DETAIL)				ANCHOR BOLTS	
	BOLT CIRCLE	BASE SQUARE	CONDUIT OPENING	BASE THK.	BOLT SIZE	BOLT PROJECT.
6"	8-3/4" - 10-1/4"	10-1/4"	5-1/2"	3/4"	3/4" x 17" x 3"	3-1/2"
7"	9-7/8" - 11-1/4"	10-5/8"	6-1/2"	1"	1" x 36" x 3"	4-1/8"

### Anchor Base Detail



## STANDARD DIMENSIONAL AND LOAD DATA

POLE HEIGHT (FT)	CATALOG NUMBER <sup>(A)</sup>	SHAFT			POLE TOP LOADING <sup>(C)</sup>	80 MPH <sup>(B)</sup>		90 MPH <sup>(B)</sup>		100 MPH <sup>(B)</sup>	
		BASE O.D. (IN)	TOP O.D. (IN)	WALL THK. (GA)		MAX EPA (SQ FT)	MAX WEIGHT (LBS)	MAX EPA (SQ FT)	MAX WEIGHT (LBS)	MAX EPA (SQ FT)	MAX WEIGHT (LBS)
8	CQA-6-210-5-VS-080-(M)-(F)-(O)	6.00	4.00	.156"	Group A 4' Rise 3' Span VS3	22.8	120	18	120	14.5	120
10	CQA-6-210-5-VS-100-(M)-(F)-(O)	6.00	4.00	.156"		19.4	120	15.3	120	12.3	120
12	CQA-6-210-5-VS-120-(M)-(F)-(O)	6.00	4.00	.156"		13.3	120	10.4	120	8.4	120
14	CQA-6-210-5-VS-140-(M)-(F)-(O)	6.00	4.00	.156"		11.4	120	8.8	120	7	120
16	CQA-6-210-5-VS-160-(M)-(F)-(O)	6.00	4.00	.156"		9.5	120	7.3	120	5.8	120
16	CQA-7-210-5-VS-160-(M)-(F)-(O)	7.00	4.00	.156"		14.2	120	11	120	8.8	120
18	CQA-7-210-5-VS-180-(M)-(F)-(O)	7.00	4.00	.156"		12.3	120	9.4	120	7.5	120
20	CQA-7-210-5-VS-200-(M)-(F)-(O)	7.00	4.00	.156"		10.6	120	8	120	6.3	120
20	CQA-7-210-6-VS-200-(M)-(F)-(O)	7.00	4.00	.188"		13.4	120	10.2	120	8	120
25	CQA-7-210-6-VS-250-(M)-(F)-(O)	7.00	4.00	.188"		9.2	120	6.8	120	5.2	120
16	CQA-7-210 -5-VS-160-(M)-(F)-(O)	7.00	4.00	.156"	Group B 4' Rise 6' Span VS4	13	120	10.2	120	8.1	120
18	CQA-7-210 -5-VS-180-(M)-(F)-(O)	7.00	4.00	.156"		11.5	120	8.8	120	7	120
20	CQA-7-210 -5-VS-200-(M)-(F)-(O)	7.00	4.00	.156"		10	120	7.5	120	6	120
20	CQA-7-210 -6-VS-200-(M)-(F)-(O)	7.00	4.00	.188"		12.6	120	9.7	120	7.7	120
25	CQA-7-210 -6-VS-250-(M)-(F)-(O)	7.00	4.00	.188"		8.8	120	6.5	120	5	120

<sup>(A)</sup> Replace (M) with Fixture Mounting Method Code, (F) with Finish Code, and (O) with Options Code.

<sup>(B)</sup> EPA calculations allow for 1.3 Wind Gust Factor. Satisfactory performance of lighting standard is dependent upon the pole(s) being properly attached to a supporting foundation of adequate design. Valmont Industries does not design or offer recommendations for foundations.

<sup>(C)</sup> The calculated values indicated apply to Pole Top Series: Group A: VS3 with a maximum of 4' rise and 3' span. Group B: VS4 with a maximum of 4' rise and 6' span.

<sup>(D)</sup> Pole Top Assembly weight and EPA must be added to luminaire(s) load data to determine appropriate pole size. Group A calculations include load at 4' above Pole Top and 3' exentrique to the pole. Group B calculations include load at 4' above Pole Top and 6' exentrique to the pole.