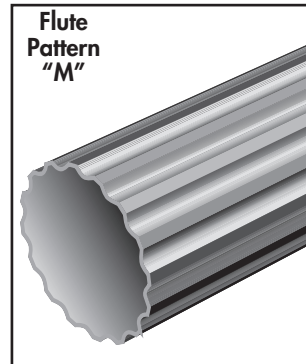


SPECIFICATIONS

Pole

The Washington pole is available in 8' to 18' including a cast aluminum structural base with a fluted straight round aluminum shaft. The pole is designed to accommodate a twin arm assembly up to a 36" overall span.



Shaft

The fluted shaft is seamlessly extruded from 6063 aluminum alloy. The shaft is inserted and welded into the decorative structural base casting.

Structural Base

The structural base is cast from A356 aluminum alloy. A continuous circumferential weld at the top and inside of the base joins the structural base casting and shaft. The anchor bolts are located inside the base. The completed assembly is heat-treated to T6 temper after all structural welding is completed.

Access Door

An access door is provided to install and service the ground connector and circuit wiring. The door is 6.00" in height and 4.00" in width and fits to the base with stainless steel hardware.

Anchor Bolts

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

A nut holder is provided in the base and accessible from the access door. The nut holder includes a tapped 3/8"-16 UNC bolt.

Finish

The finish for the pole is polyester powder coating applied over chromate pre-treatment in accordance with Valmont Industries' Specifications.

CATALOG LOGIC

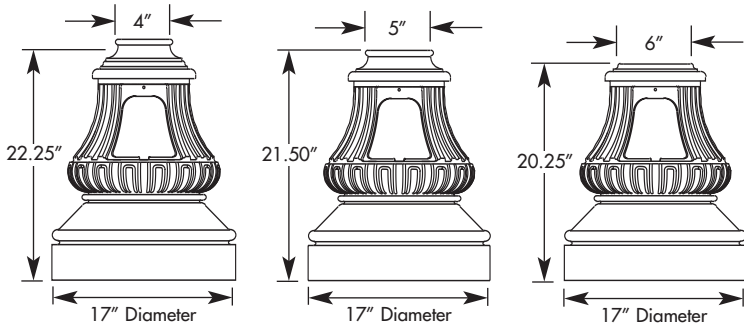
Series WA	Base Diameter 17	Material/Style AS	Length _____	Top Diameter _____	Shaft Base Diameter _____	Wall Thickness _____	Shape of Shaft M	Fixture Mounting P	Standard Finishes _____	Options _____
Series WA = Washington	Base Diameter 17 = 17"	Material/Style AS = Aluminum Structural Base	Length 080 = 8' 100 = 10' 120 = 12' 140 = 14' 160 = 16' 180 = 18'	Top Diameter 40 = 4" 50 = 5" 60 = 6"	Shaft Base Diameter 40 = 4" 50 = 5" 60 = 6"	Wall Thickness 4 = 4/32" or 0.125" 6 = 6/32" or 0.188"	Shape of Shaft M = Fluted Straight Round 16 Flat	Fixture Mounting P2 = 2 3/8" x 4" Tenon PD = 3" x 3" Tenon P9 = Special Tenon (Specify)	Standard Finishes WT = White BK = Black MB = Medium Bronze DB = Dark Bronze HG = Hunter Green BR = Burgundy SC = Special Color (Specify)	Options FS = Festoon Outlet (Indicate Location) SP = Special Attachments (Specify)

① Shaft base diameter is at the top of the decorative base casting.

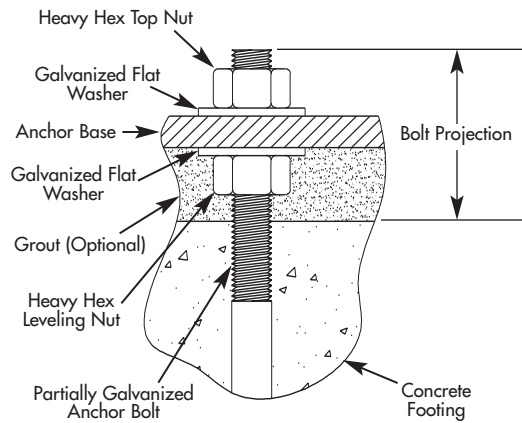
WASHINGTON WA17-AS STRUCTURAL 8' TO 18' FLUTED STRAIGHT ROUND 16 FLAT

ANCHOR BASE AND BOLT DIMENSIONS

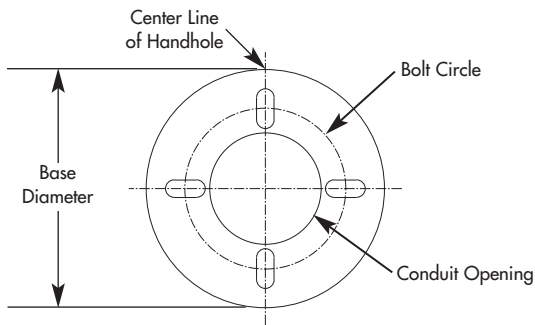
Base Dimensions



Bolt Projection Detail



Anchor Base Detail



BASE DESCRIPTION	BOLT CIRCLE		ANCHOR BOLT		
	DIA. (IN)	± (IN)	DIA. X LENGTH X HOOK (IN)	PROJECTION (IN)	± (IN)
WA17-AS	11.50	1.50	0.75 x 17.00 x 3.00	3.50	0.25

STANDARD AND DIMENSIONAL DATA TABLE

POLE HEIGHT (FT)	CATALOG NUMBER	SHAFT				80 MPH ^(A)		90 MPH ^(A)		100 MPH ^(A)	
		TOP O.D. (IN)	BASE O.D. (IN)	WALL THK. (IN)	STRUCTURAL WEIGHT (LBS)	MAX EPA (SQ FT)	MAX WEIGHT (LBS)	MAX EPA (SQ FT)	MAX WEIGHT (LBS)	MAX EPA (SQ FT)	MAX WEIGHT (LBS)
8	WA17AS-080-40404M	4.00	4.00	0.125	67	13.3	300	10.2	300	8.0	300
8	WA17AS-080-50504M	5.00	5.00	0.125	69	21.9	300	17.0	300	13.4	300
10	WA17AS-100-40404M	4.00	4.00	0.125	70	9.1	300	6.8	300	5.2	300
10	WA17AS-100-50504M	5.00	5.00	0.125	73	15.5	300	11.8	300	9.1	300
12	WA17AS-120-40404M	4.00	4.00	0.125	74	6.3	300	4.5	300	3.2	300
12	WA17AS-120-50504M	5.00	5.00	0.125	78	11.2	300	8.3	300	6.2	300
12	WA17AS-120-60604M	6.00	6.00	0.125	82	17.4	300	13.1	300	10.0	300
14	WA17AS-140-50504M	5.00	5.00	0.125	82	8.1	300	5.7	300	4.0	300
14	WA17AS-140-60604M	6.00	6.00	0.125	87	13.1	300	9.5	300	6.9	300
16	WA17AS-160-50504M	5.00	5.00	0.125	87	5.7	300	3.7	300	2.2	300
16	WA17AS-160-60604M	6.00	6.00	0.125	93	9.7	300	6.7	300	4.5	300
16	WA17AS-160-50506M	5.00	5.00	0.188	103	10.3	300	7.3	300	5.2	300
18	WA17AS-180-50504M	5.00	5.00	0.125	91	3.7	300	1.9	300	-	300
18	WA17AS-180-60604M	6.00	6.00	0.125	98	7.0	300	4.4	300	2.5	300
18	WA17AS-180-60606M	6.00	6.00	0.188	120	12.9	300	9.1	300	6.3	300

^(A) EPA values are calculated in accordance with AASHTO Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1994.

EPA calculations allow for 1.3 Wind Gust Factor. Variations from standard sizes listed above, are available upon inquiry at the factory. 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.