

## SPECIFICATIONS

The davit arm member is conically tapered from either 4", 4-1/2" or 6" O.D. x .188" wall 6063 alloy extruded aluminum tube. The fixture end of each arm shall be a 2-3/8" O.D. (2" pipe size) tenon. Pole davit arm members have a 6' 6" rise and are available in 10' spans. The davit arm slip fits onto a specially tapered pole top tenon where it is fastened with (2) stainless steel 1/2"-13 UNC through bolts. A 2" I.D. rubber grommet is included for each double davit arm.

The shaft shall be polished with fine grain aluminum oxide cloths, resulting in a high quality circumferential satin brushed finish. Additional architectural finishes available include natural anodized, duranodic and paint.

Unless otherwise directed, Valmont will locate single davit arms 90° to the right of the handhole and double davit arms will be located 90° and 270° from the handhole.

A flush covered handhole is centered 18" above the bottom of the shaft. The opening is 3" x 5" on a 6" diameter pole and 4" x 6" on 7", 8" and 10" diameter poles. An optional 4" x 8" opening is available for 8" and 10" diameter poles.

The anchor base is cast from A356 alloy aluminum and shall be heat treated to a T6 condition. The shaft shall be inserted into the anchor base casting and shall be joined by continuous circumferential welds. Four aluminum nut covers are provided with each anchor base.

Each davit arm pole includes: (4) anchor bolts with (2) nuts and (2) flat washers sized to match the anchor bolt.

## CATALOG LOGIC

Mounting Height	Base Diameter	Wall Thickness	Number of Arms	Span of Arms	Pole Top Assembly Style	Finishes	Options

Mounting Height*	Base Diameter*	Wall Thickness*	Number of Arms	Span of Arms	Pole Top Mounting	Finishes	Options
<b>IN FEET AND INCHES</b>	<b>IN INCHES</b>	<b>THICKNESS IN 32NDS OF AN INCH</b>	<b>1</b> – Single <b>2</b> – Double	<b>10</b> – 10'-0"	<b>D4</b> – Davit Style Assembly	<b>POLYESTER POWDER</b> <b>DBL</b> – Black <b>DCG</b> – Charcoal Gray <b>DMB</b> – Med Bronze <b>DSB</b> – Steel Blue <b>DTG</b> – Dark Green <b>SC</b> – Special Color (Please Specify)	<b>DBR</b> – Bright Red <b>DDB</b> – Dark Bronze <b>DNA</b> – Natural Alum <b>DSS</b> – Sandstone <b>DWH</b> – White <b>311</b> – Light Bronze* <b>313</b> – Dark Bronze* * Duranodic Anodize
<b>2000</b> – 20'-0" <b>2500</b> – 25'-0" <b>3000</b> – 30'-0" <b>3500</b> – 35'-0" <b>4000</b> – 40'-0"	<b>6</b> – 6" <b>7</b> – 7" <b>8</b> – 8" <b>0</b> – 10"	<b>5</b> – 5/32" or 0.156" Wall <b>6</b> – 6/32" or 0.188" Wall <b>8</b> – 8/32" or 0.250" Wall				<b>ANODIZED</b> <b>204</b> – Clear Natural <b>312</b> – Med Bronze* <b>335</b> – Black*	See Accessory Section (Please Specify with Code #)
						<b>BRUSHED</b> <b>SBF</b> – Satin Brushed Finish	

\* For available Base Diameter, Wall Thickness and Length Combinations, see Dimensional Load Data Table that follows.

Customer Approval:

signature

date

Job Name: _____	Quote: _____
Client Name: _____	
Created By: _____	Date: _____

# 10' TAPERED DAVIT ARM POLES

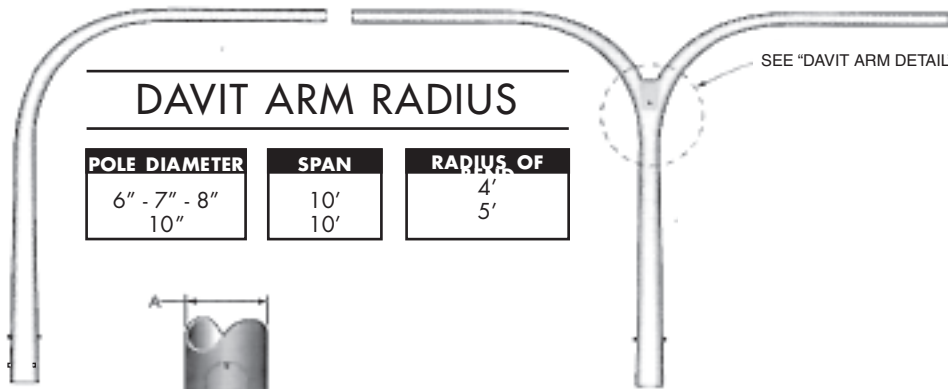
## ANCHOR BASE AND BOLT DETAIL

A	B	C	D	E	F
POLE DIAMETER	BOLT CIRCLE	BOLT PROJECTION	BOLT SIZE	CONDUIT OPENING	BASE SIZE
6"	8-3/4"-10-1/4"	3- 1/2"	3/4"x17"	5-1/2"	10-1/4"
7"	10"-11"	4- 1/8"	1" x36"	6-1/2"	11-3/16"
8"	11"-12"	4- 1/8"	1" x36"	7-1/2"	12"
10"	14"-1/2"	4- 3/4"	1" x36"	9-1/2"	13"
*10"	14"-1/2"	5- 1/4"	1-1/4" x42"	9-1/2"	14"

\* For .250" Wall Thickness Pole. 10" Base Bolt Circles Have ± Tolerances. Contact Factory For Actual Range.

### Single Davit Arm

### Double Davit Arm



### DAVIT ARM RADIUS

POLE DIAMETER	SPAN	RADIUS OF
6" - 7" - 8"	10'	4'
10"	10'	5'

HANDHOLE  
DOOR

CAST ALUMINUM  
NUT COVER

HANDHOLE  
DETAIL

CONDUIT  
OPENING

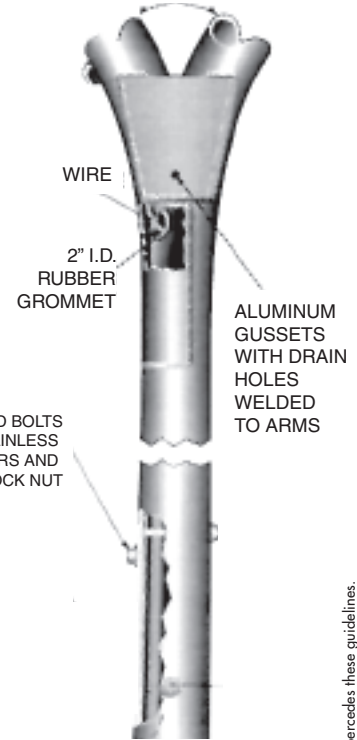
MINIMUM B

(2) 1/2"-13 UNC S.S. HEX HEAD BOLTS  
EACH WITH (2) STAINLESS  
STEEL FLAT WASHERS AND  
(1) STAINLESS STEEL LOCK NUT

HANDHOLE  
OPENING

MAX

DAVIT ARMS



### Davit Arm Detail

10' FOOT SINGLE DAVIT ARM SPAN 120", RISE 78", FIXTURE SLIPFITTER 2-3/8" O.D.						
LUMINAIRE MOUNTING HEIGHT	MAXIMUM ALLOWABLE EFFECTIVE PROJECTED PROJECTED AREA PER ARM IN FT. <sup>2</sup>					DAVIT ARM POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
25'	5.5	3.1	1.4	—	—	250065110D4*
25'	6.0	6.0	4.0	2.5	1.4	250075110D4
25'	6.0	6.0	6.0	4.9	3.3	250085110D4
30'	6.0	3.5	1.7	0.5	—	300075110D4*
30'	6.0	6.0	4.2	2.6	1.3	300085110D4
30'	6.0	6.0	6.0	4.2	2.7	300086110D4
35'	6.0	3.6	1.8	0.5	—	350085110D4
35'	6.0	5.8	3.5	2.0	0.7	350086110D4
35'	6.0	6.0	6.0	4.7	3.0	350088110D4
40'	3.5	1.2	—	—	—	400085110D4*
40'	6.0	3.0	1.2	—	—	400086110D4
40'	6.0	6.0	4.2	2.4	1.0	400088110D4
40'	6.0	6.0	6.0	3.7	1.8	400006110D4

10' FOOT DOUBLE DAVIT ARM SPAN 120", RISE 78", FIXTURE SLIPFITTER 2-3/8" O.D.						
LUMINAIRE MOUNTING HEIGHT	MAXIMUM ALLOWABLE EFFECTIVE PROJECTED PROJECTED AREA PER ARM IN FT. <sup>2</sup>					DAVIT ARM POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
25'	4.7	2.4	—	—	—	250075210D4
25'	7.1	4.7	2.8	—	—	250085210D4
25'	7.1	6.8	4.5	2.7	1.4	250086210D4
30'	2.0	—	—	—	—	300075210D4
30'	4.6	2.2	—	—	—	300085210D4
30'	6.7	3.9	2.0	0.7	—	300086210D4
30'	7.1	7.1	4.6	2.7	1.4	300088210D4
35'	2.0	—	—	—	—	350085210D4
35'	3.9	1.6	—	—	—	350086210D4
35'	7.1	4.2	2.2	—	—	350088210D4
35'	7.1	5.9	3.4	1.4	—	350006210D4
40'	4.5	2.0	—	—	—	400088210D4
40'	6.4	3.4	1.3	—	—	400006210D4
40'	7.1	7.1	4.2	2.1	—	400008210D4

\* Maximum Fixture Weight 55 Lbs.

Designs for greater E.P.A. loading and/or dimensional requirements available. Contact your local Valmont Representative or Valmont Industries for assistance.