

# Prime Conduit™ PV-Mold® Nonmetallic Pole Riser System

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*Standard Duty*

*Heavy Duty  
Schedule 40*

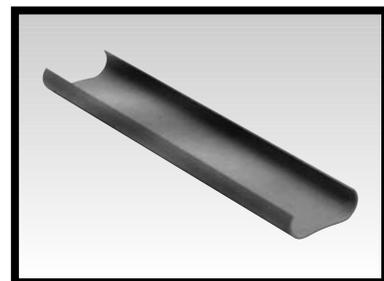
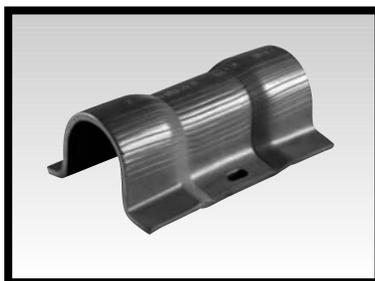
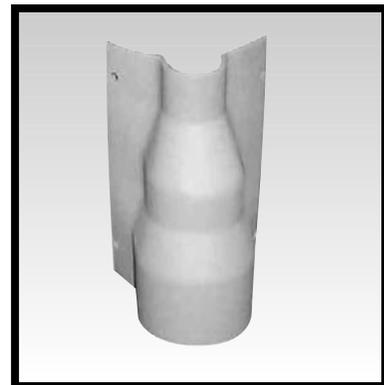
*Extra  
Heavy Duty  
Schedule 80*

*Vented Boots*

*Adapters*

*Couplings*

*Backing Plate*



## Prime Conduit™ PV-Mold® Nonmetallic Pole Riser System

Prime Conduit PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

### Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

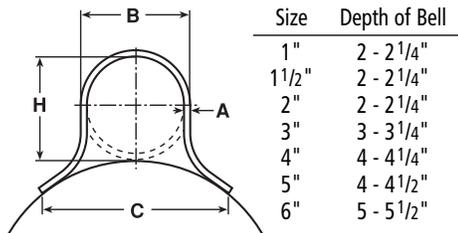


Steel U-Guard requires grounding strapping and does not have belled ends.



PV-Mold has belled ends, flanged design and does not require grounding.

Flanged Overall Length  
10 Feet, Including Bell



Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.



### Standard Duty

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions				Actual Impact @ 0°C 20 Pound Top
				A	B	C	H	
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.

### Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs.
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs.
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs.
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs.

### Extra Heavy Duty Schedule 80

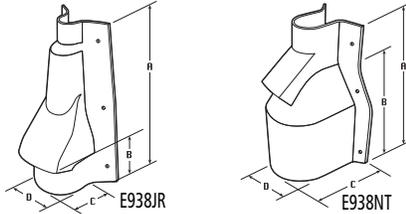
59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.
59413N	3"	66	1495	0.300"	3 1/2"	6"	3 1/2"	260 Ft.-Lbs.

## Polyethylene Vented Boots and Adapters

### Note:

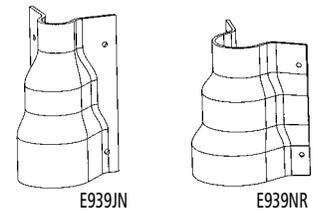
1. A field cut may be needed to accommodate different boot or adapter to Prime Conduit U-Mold size combinations.
2. Recommendation: 2 sets of mounting holes per boot/fitting. To add mounting holes, use a 3/8" drill bit and drill out where needed.
3. When 3" or smaller conduit is being used, it's recommended that the bottom (largest section) of the boot or adapter section be buried 2" to 3" below ground surface.

### Vented Boots

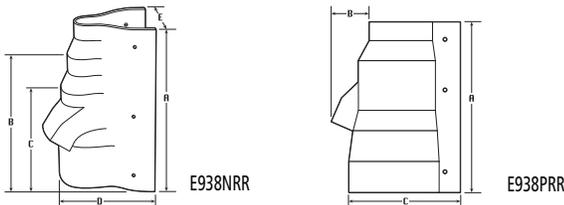


Part No.	Size	Dimensions				Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
		A	B	C	D		
E938JR	2" x 6"	20.50	4.80	6.13	6.20	4	13.5
E938NT	4" x 8"	21.00	15.00	11.34	9.76	4	21.0

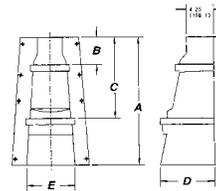
### Adapters



Part No.	Size	Dimensions				Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
		A	B	C	D		
E939JN	2" x 4"	11.00	6.75	5.88	5.07	8	10.0
E939NR	4" x 6"	11.00	6.75	7.08	7.13	6	11.7



Part No.	Size	Dimensions					Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
		A	B	C	D	E		
E938NRR	4" x 6"	20.87	16.57	12.87	11.68	11.43	6	26.4
E938PRR	5" x 6"	16.74	3.65	10.84	11.43	-	6	23.2



Part No.	Size	Dimensions					Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
		A	B	C	D	E		
E939NRT	4" x 6"	19.75	4.25	12.50	8.50	7.40	3	14.0

### Duct to Riser Fitting



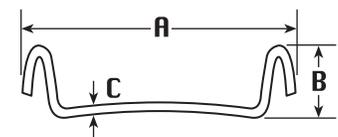
Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E939NL	4" x 3"	15	5.6
E939N	4" x 4"	15	5.3

### Backing Plate

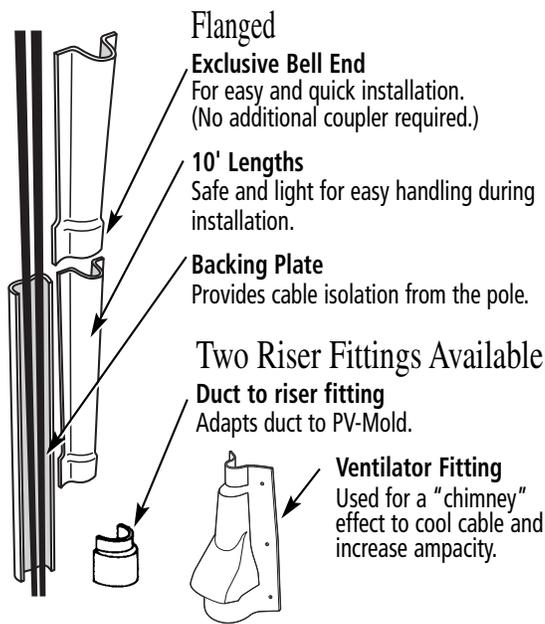


Part No.	Size	Length	Dimensions			Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
			A	B	C		
59111P	2"	10'	2 1/8"	13 1/16"	1/16"	1	1.2
59113P	3"	10'	3 1/8"	15 1/16"	1/16"	1	1.5
59115P	4"	10'	4 1/8"	15 1/16"	1/16"	1	3.0
59116P	5"	10'	5 1/4"	13 3/4"	1/16"	1	3.1
59117P	6"	10'	6 1/16"	15 5/8"	1/16"	1	4.2

### Backing Plate



Part No.	Size	Length	Dimensions			Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
			A	B	C		
59111	2"	10'	2.24	.575	.050	1	1.4
59113	3"	10'	3.41	.570	.060	1	1.5
59115	4"	10'	4.37	.562	.050	1	3.0
59116	5"	10'	5.15	.600	.060	1	3.4
59117	6"	10'	5.90	1.40	.060	1	3.9



## Installation is easy with PV-Mold Pole Risers:

1. Install ventilator or duct to riser fittings at the base of the pole.
2. Nail backing plate sections to the surface of the pole. Three nail holes are provided in each section. Place the "U" sections over the cable and backing plate, with belled end at the bottom, and attach using 1/4" lag bolts.

## Field Installation Instructions for Prime Conduit PV-Mold Adapters

### For Adapters (E939JN, E939NR, E939NRT)

#### E939JN

##### To transition from 4" Conduit to 2" PV-Mold

Place Adapter over conduit, attach to pole using the top and bottom mounting holes, place PV-Mold over top section of Adapter and secure PV-Mold to pole.

##### To transition from 4" Conduit to 3" PV-Mold

Measure 6.3" up from bottom (large end) of adapter and cut. Assemble to pole as described above.

##### To transition from 3" Conduit to 2" PV-Mold\*

Measure 4.75" up from bottom (large end) of adapter and cut. Assemble to pole as described above.

#### E939NR

##### To transition from 5" Conduit to 4" PV-Mold

Place Adapter over conduit, attach to pole using the top and bottom mounting holes, place PV-Mold over top section of Adapter and secure PV-Mold to pole.

##### To transition from 6" Conduit to 5" PV-Mold

Measure 7.25" up from bottom (large end) of adapter and cut. Assemble to pole as described above.

##### To transition from 5" Conduit to 5" PV-Mold\*

Measure 4.5" down from the top of adapter and cut. Assemble to pole as described above.

*\*For these transitions it is not necessary to cut the Adapter if desired. If the Adapter is not modified, it is recommended that the bottom 3" of the Adapter be buried below grade.*

#### E939NRT

##### To transition from 6" Conduit to 4" PV-Mold

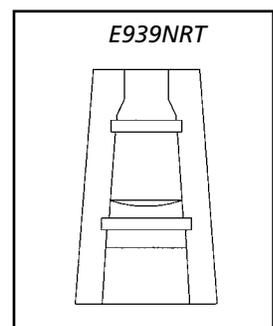
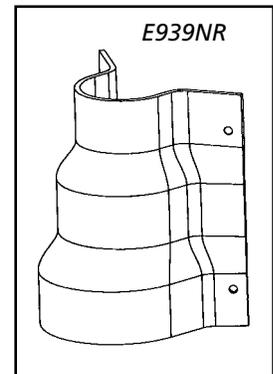
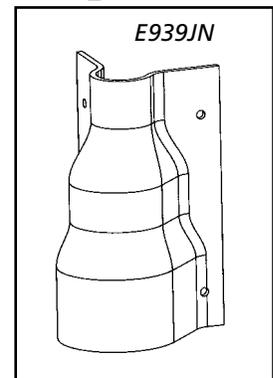
Place Adapter over conduit and attach to pole using the top and bottom mounting holes. Place PV-Mold over top section of Adapter and secure PV-Mold to pole

##### To transition from 6" Conduit to 5" PV-Mold

Measure 5.25" down from the top of the adapter and cut. Assemble to pole as described above.

##### To transition from 6" Conduit to 6" PV-Mold

Measure 9.5" up from the bottom of the adapter and cut. Assemble to pole as described above.



## Field Installation Instructions for Prime Conduit PV-Mold Vented Boots

### For Vented Boots (E938JR, E938NT, E938NRR, E938PRR)

#### E938JR

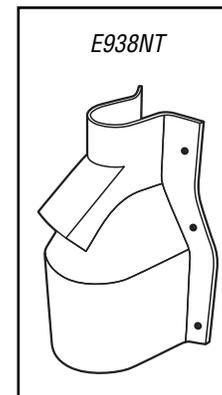
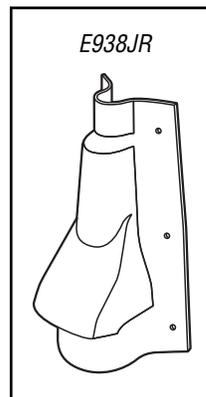
##### To transition from 5" or smaller Conduit to 2" PV-Mold

Place Vented Boot over conduit, attach to pole using the top and bottom mounting holes, place PV-Mold over top section of Vented Boot and secure PV-Mold to pole.

##### To transition from 5" or smaller Conduit to 3" and larger PV-Mold

**For 3" PV-Mold:** Measure 3.75" from the TOP of the Boot and cut. Place the Boot over the Conduit and attach to the pole. Place belled end of PV-Mold over the top end of the boot and secure.

**For 4" and 5" PV-Mold:** Measure 12" up from the BOTTOM of the Boot and cut. Place the Boot over the conduit and attach to the pole. Place the Belled end of the PV-Mold AGAINST the top edge of the vent protrusion and secure to the pole.



#### E938NT

##### To transition from 6" to 8" Conduit to 4" PV-Mold

Place Boot over conduit and attach to the pole using the mounting holes. Place PV-Mold over top section of Vented Boot and secure to the pole.

It is recommended that for conduit sizes smaller than 8", the bottom 3" of the boot be buried below grade.

*The E938NT can also be used to transition multiple smaller conduits to PV-Mold.*

#### E938NRR

##### To transition from 6" or smaller conduit to 4" PV-Mold

Place Vented Boot over conduit and attach to pole using the top and bottom mounting holes. Place PV-Mold over top section of Vented Boot and secure PV-Mold to pole

##### To transition from 6" or smaller conduit to 5" PV-Mold

Measure 4.125" down from the top of the vented boot and cut. Assemble to pole as described above.

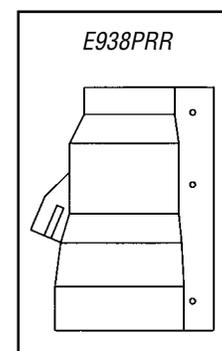
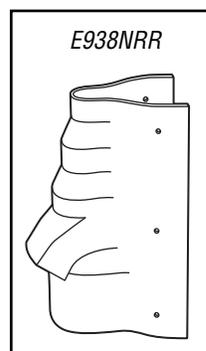
##### To transition from 6" or smaller conduit to 6" PV-Mold

Measure 8.25" down from the top of the vented boot and cut. Assemble to pole as described above.

#### E938PRR

##### To transition from 6" or smaller conduit to 5" PV-Mold

Assemble to pole as described above.



### ADDITIONAL PV-MOLD COMPONENTS

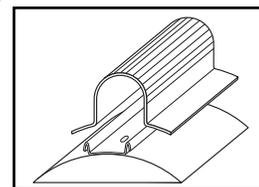
- To transition directly from conduit to PV-Mold use Duct to Riser Fittings.
- E939NL Transitions 4" Conduit to 3" PV-Mold
- E939N Transitions 4" Conduit to 4" PV-Mold

### PV-MOLD BACKING PLATES

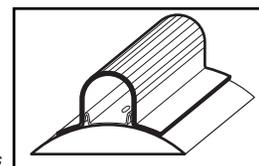
When additional insulation is required between the pole and cables, use PV-Mold Backing Plates: Secure backing plate to utility pole. Place Boot and PV-Mold over backing plate, and attach to pole using the mounting holes. **Note: Apply pressure to Boot and PV-Mold when attaching to pole.**

59111	2"	59115	4"	59117*	6"
59113	3"	59116	5"		

*\*Indicates non-stock factory Made-to-order items*



PV-Mold over backing plate



Complete