

PV-MOLD®

NONMETALLIC POLE RISER SYSTEM



Standard Duty

Heavy Duty Schedule 40

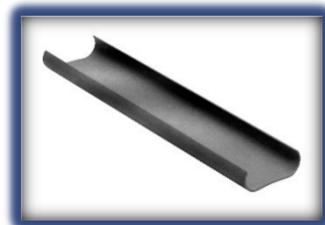
Extra Heavy Duty Schedule 80

Vented Boots

Adapters

Couplings

Backing Plates



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:

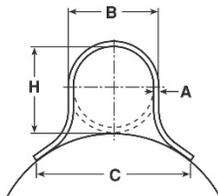
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.
- Flanged overall length, including bell is 10 Feet.



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



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



Mounting hole slots are 3/4" length x 5/16" width. There are 7 mounting holes, per side, per 10 foot length.



Standard Duty

Part Number	Size	Std. Qty.	Std. Qty. Wt. (lbs.)	A	B	C	H	Depth of Bell (min.)	Impact @ 0C 20 lb. Tup (ft.-lbs.)	Impact @ 23C 20 lb. Tup (ft.-lbs.)
59208N	1"	175	635	0.100"	1-5/16"	2-3/8"	1-5/16"	2"	40	150
59211N	2"	100	540	0.100"	2-3/8"	4-1/2"	2-3/8"	2"	100	190
59213N	3"	40	465	0.150"	3-1/2"	6"	3-1/2"	3"	110	220
59215N	4"	35	495	0.150"	4-1/2"	6-1/2"	4-1/2"	4"	110	220
59216N	5"	35	605	0.150"	5-1/2"	7-1/2"	5-1/2"	4"	110	220

Heavy Duty Schedule 40

Part Number	Size	Std. Qty.	Std. Qty. Wt. (lbs.)	A	B	C	H	Depth of Bell (min.)	Impact @ 0C 20 lb. Tup (ft.-lbs.)	Impact @ 23C 20 lb. Tup (ft.-lbs.)
59010N	1-1/2"	165	950	0.145"	1-29/32"	3-1/2"	1-29/32"	2"	100	300
59011N	2"	100	815	0.154"	2-3/8"	4-1/2"	2-3/8"	2"	150	300
59013N	3"	40	660	0.216"	3-1/2"	6"	3-1/2"	3"	150	525
59015N	4"	35	765	0.237"	4-1/2"	6-1/2"	4-1/2"	4"	260	525
59016N	5"	35	1020	0.258"	5-1/2"	7-1/2"	5-1/2"	4"	260	525
59017N	6"	15	585	0.280"	6-5/8"	8-3/4"	6-5/8"	5"	260	525

Extra Heavy Duty Schedule 80

Part Number	Size	Std. Qty.	Std. Qty. Wt. (lbs.)	A	B	C	H	Depth of Bell (min.)	Impact @ 0C 75 lb. Tup (ft.-lbs.)
59411N	2"	100	1145	0.218"	2-3/8"	4-1/2"	2-3/8"	2"	150
59413N	3"	40	910	0.300"	3-1/2"	6"	3-1/2"	3"	260

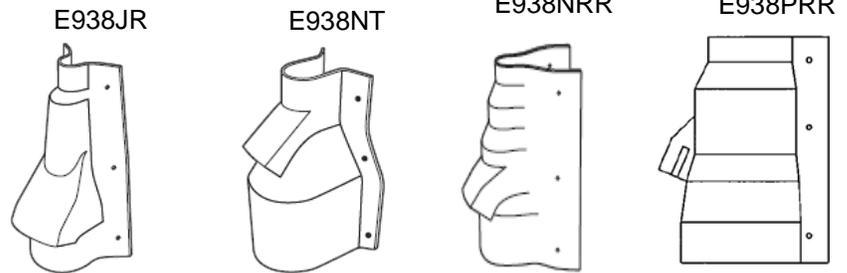
PV Mold® Boots, Adapters, and Fittings

Polyethylene Vented Boots and Adapters

1. A field cut may be needed to accommodate different boot or adapter to Prime Conduit PV-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.

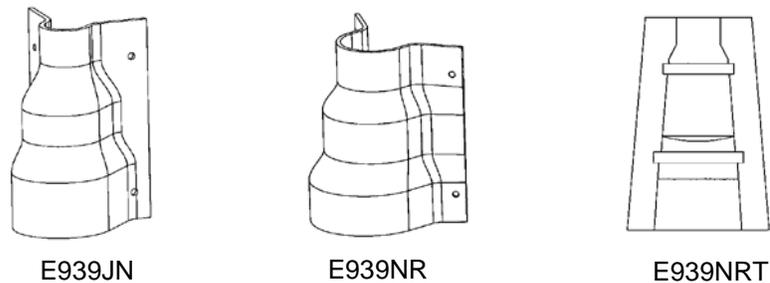
Vented Boots

Part Number	Size	Std. Qty.	Std. Qty. Wt. (lbs.)
E938JR	2" x 6"	4	13.5
E938NT	4" x 8"	4	21.0
E938NRR	4" x 6"	6	26.4
E938PRR	5" x 6"	6	23.2



Adapters

Part Number	Size	Std. Qty.	Std. Qty. Wt. (lbs.)
E939JN	2" x 4"	8	10.0
E939NR	4" x 6"	6	11.7
E939NRT	4" x 6"	3	14.0



C-Style Backing Plate – 10' Long

Part Number	Size	Std. Qty.	Std. Ctn. Wt. (lbs.)
59111P	2"	1	1.4
59113P	3"	1	1.5
59115P	4"	1	3.0
59117P	6"	1	4.2

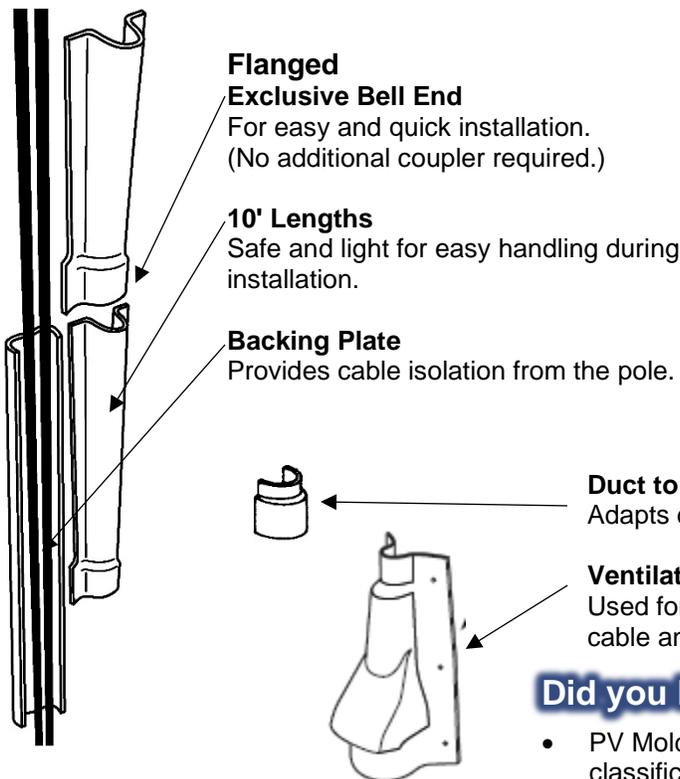


Flat-Style Backing Plate – 10' Long

Part Number	Size	Std. Qty.	Std. Ctn. Wt. (lbs.)
59111	2"	1	1.4
59113	3"	1	2.0
59115	4"	1	3.0
59116	5"	1	3.7
59117	6"	1	4.1



PV Mold® Installation Instructions



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.

Did you know...

- PV Mold does not have a fire rating or classification. It is not permitted to be used inside of a building.
- PV Mold is not UL or ETL listed. PV Mold meets and/or exceeds the requirements of NEMA TC-19.

PV-Mold Adapters

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:

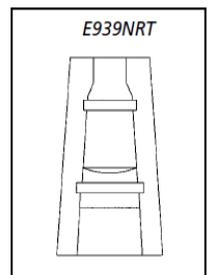
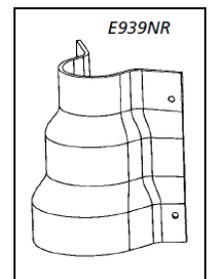
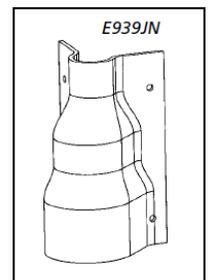
Place Adapter over conduit and attach to pole using the top and bottom mounting holes. Place PV-Mold over top section of Adapter and secure PV-Mold to pole.

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.



PV Mold® Installation Instructions

PV-Mold Vented Boots

E938JR

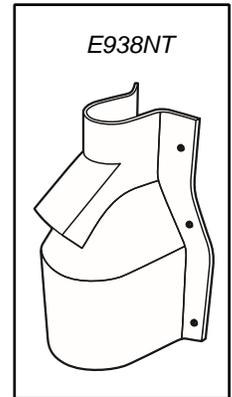
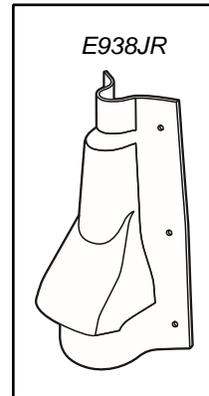
To transition from 5" or smaller Conduit to 2" PV-Mold:

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.

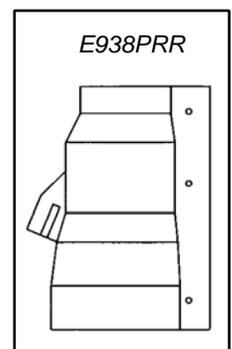
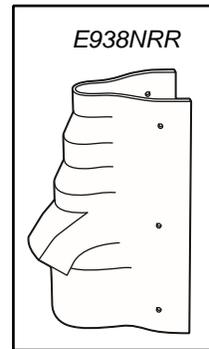


E938NT

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

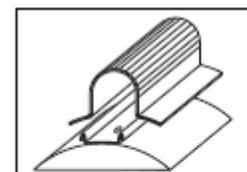
To transition from 6" or smaller conduit to 5" PV-Mold

Assemble to pole as described above.

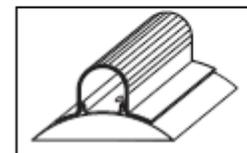
PV-Mold Backing Plates

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.



PV-Mold over backing plate



Complete