

Non-Metallic Pole Riser System



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

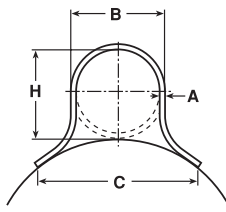


PV-Mold® has belled ends, flanged design and does not require grounding.

Carlton® PV-Mold® is a non-metallic pole riser system designed to protect communications power cable installed on poles.

Product Specifications

- 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.
- 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 100 ft, Including Bell

Size	Depth of Bell
1"	2 - 2-1/4"
1-1/2"	2 - 2-1/4"
2"	2 - 2-1/4"
3"	3 - 3-1/4"
4"	4 - 4-1/4"
5"	4 - 4-1/2"
6"	5 - 5-1/2"



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.

Cat. No.	Size (in.)	Std.Ctn. Qty	Std.Ctn. Wt. (lb)	Dimensions (in.)				Actual Impact @ 0°C 20 Pound Tap
				A	B	C	H	
Standard Duty								
59208N	1	294	1059	0.100	1-5/8	2-3/8	1-5/8	40 ft – lb
59211N	2	136	726	0.100	2-3/8	4-1/2	2-3/8	100 ft – lb
59213N	3	66	761	0.150	3-1/2	6	3-1/2	110 ft – lb
59215N	4	65	910	0.150	4-1/2	6-1/2	4-1/2	110 ft – lb
59216N	5	30	515	0.150	5-1/2	7-1/2	5-1/2	110 ft – lb
Heavy Duty Schedule 40								
59010N	1-1/2	200	1142	0.145	2-29/32	3-1/2	1-29/32	100 ft – lb
59011N	2	136	1214	0.154	2-3/8	4-1/2	2-3/8	150 ft – lb
59013N	3	66	937	0.216	3-1/2	6	3-9/32	150 ft – lb
59015N	4	65	1621	0.237	4-1/2	6-1/2	4-1/2	260 ft – lb
59016N	5	30	870	0.258	5-1/2	7-1/2	5-1/2	260 ft – lb
59017N	6	30	1160	0.280	6-5/8	8-3/4	6-5/8	260 ft – lb

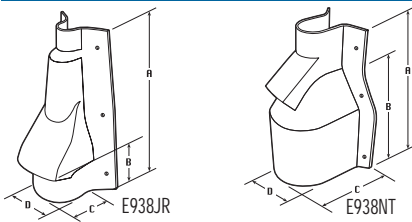
For more information on PV Mold®, contact your regional sales office.

Polyethylene Vented Boots and Adapters

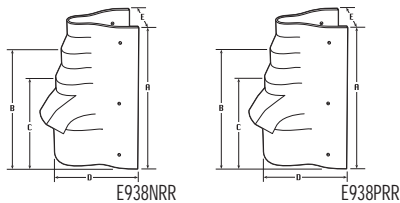
Note:

1. A field cut may be needed to accommodate different boot or adapter to Carlton® 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

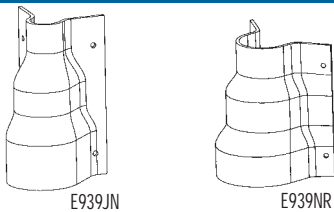


Cat. No.	Size (in.)	Dimensions (in.)				Std. Ctn. Qty.	Std. Ctn. Wt. (lb)
		A	B	C	D		
E938JR	2 x 6	20.50	4.80	6.13	6.20	4	13.5
E938NT	4 x 8	21.00	15.00	11.34	9.76	4	21.0

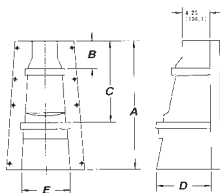


Cat. No.	Size (in.)	Dimensions (in.)					Std. Ctn. Qty.	Std. Ctn. Wt. (lb)
		A	B	C	D	E		
E938NRR	4 x 6	20.87	16.57	12.87	11.68	11.43	6	26.4
E938PRR	5 x 6	16.74	3.65	10.84	11.43	-	6	23.2

Adapters



Cat. No.	Size (in.)	Dimensions (in.)				Std. Ctn. Qty.	Std. Ctn. Wt. (lb)
		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



Cat. No.	Size (in.)	Dimensions (in.)					Std. Ctn. Qty.	Std. Ctn. Wt. (lb)
		A	B	C	D	E		
E939NRT	4 x 6	19.75	4.25	12.50	8.50	7.40	63	14.0

Polyethylene Vented Boots and Adapters

Duct to Riser Fittings

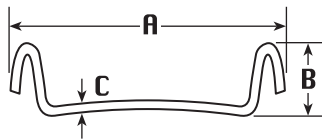


Cat. No.	Size (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lb)
E939NL	4 x 3	15	5.6
E939N	4 x 4	15	5.3

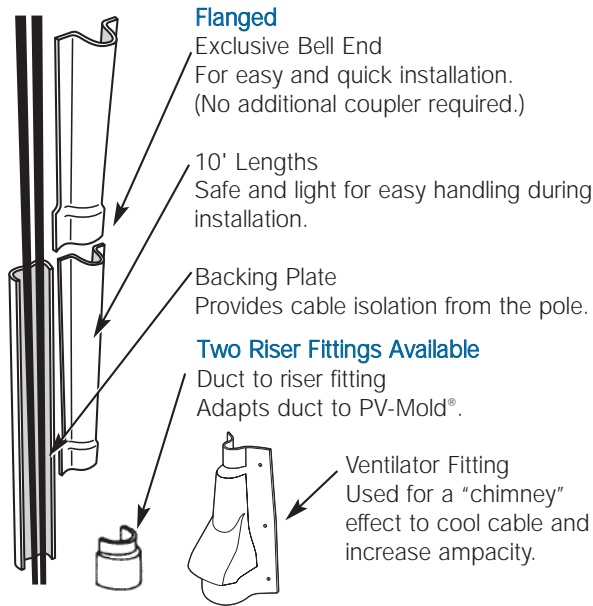
Backing Plates



Cat. No.	Size (in.)	Length (ft)	Dimensions (in.)			Std. Ctn. Qty.	Std. Ctn. Wt. (lb)
			A	B	C		
59111	2	10	1/16	13/16	2-1/8	1	1.2
59113	3	10	1/16	1-5/16	3-1/8	1	1.5
59115	4	10	1/16	1-5/16	4-1/8	1	3.0
59116	5	10	1/16	1-3/4	5-1/4	1	3.1
59117	6	10	1/16	1-5/8	6-1/16	1	4.2



Cat. No.	Size (in.)	Length (ft)	Dimensions (in.)			Std. Ctn. Qty.	Std. Ctn. Wt. (lb)
			A	B	C		
59111P	2	10	2.24	0.575	0.050	1	1.4
59113P	3	10	3.41	0.570	0.060	1	1.5
59115P	4	10	4.37	0.562	0.050	1	3.0
59116P	5	10	5.15	0.600	0.060	1	3.4
59117P	6	10	5.90	1.40	0.060	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 Carlton® 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.

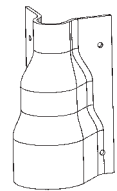
*For these transitions it is not necessary to cut the Adapter if desired. If the Adapter is not modified, it is recommended that the bottom 3" of the Adapter be buried below grade.

E939NRT

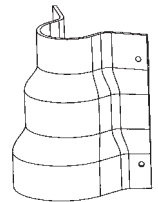
To transition from 6" Conduit to 4" PV-Mold®
Place Adapter over conduit and attach to pole using the top and bottom mounting holes. Place PV-Mold® over top section of Adapter and secure PV-Mold® to pole

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.

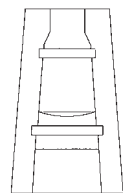
To transition from 6" Conduit to 6" PV-Mold®
Measure 9.5" up from the bottom of the adapter and cut. Assemble to pole as described above.



E939JN



E939NR



E939NRT

Field Installation Instructions for Carlton® PV-Mold® Adapters

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.

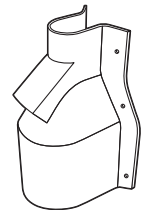
To transition from 5" or smaller Conduit to 3" and larger PV-Mold®

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.



E938JR



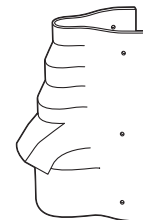
E938NT

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

E938NRR

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

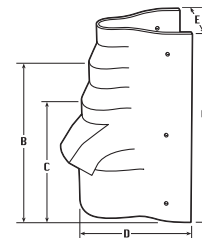
Place Vented Boot over conduit and attach to pole using the top and bottom mounting holes. Place PV-Mold® over top section of Vented Boot and secure PV-Mold® to pole.

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.



E938PRR