

Carlton PV-Mold

Nonmetallic pole riser system

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

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



01



02

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

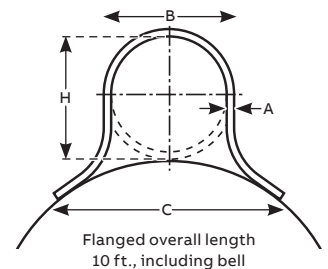
Product specifications

- Meets or exceeds requirements outlined in the National Electric Safety Code (NECS)
- 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 specific requirements

Size (in.)	Depth of bell (in.)
1	2-2¼
1½	2-2¼
2	2-2¼
3	3-3¼
4	4-4¼
5	4-4½
6	5-5½



Diagram



Slots are ½ in. from side to side, and allow for expansion and contraction. Slot dimensions: for sizes 2 in. through 6 in. are 5/16 in. wide, ¾ in. long. Slot dimensions: for 1 in. and 1½ in. are 3/16 in. wide, ¾ in. long. Slot spacing: 18 in. from center, beginning 6 in. from end.

Cat. no.	Size (in.)	Std. ctn.	Std. ctn. wt. (lb)	Dimensions (in.)				Actual impact at 0 °C 20 pound tup (ft.-lb)
				A	B	C	H	
Standard-duty								
59208N	1	294	1,059	0.100	1⅞	2⅞	1⅞	40
59211N	2	136	726	0.100	2⅞	4½	2⅞	100
59213N	3	66	761	0.150	3½	6	3½	110
59215N	4	65	910	0.150	4½	6½	4½	110
59216N	5	30	515	0.150	5½	7½	5½	110
Heavy-duty schedule 40								
59010N	1½	200	1,142	0.145	22 ²⁹ / ₃₂	3½	1 ²⁹ / ₃₂	100
59011N	2	136	1214	0.154	2⅞	4½	2⅞	150
59013N	3	66	937	0.216	3½	6	3 ⁹ / ₃₂	150
59015N	4	65	1621	0.237	4½	6½	4½	260
59016N	5	30	870	0.258	5½	7½	5½	260
59017N	6	30	1,160	0.280	6⅞	8¾	6⅞	260

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

Carlson PV-Mold

PV-Mold installation and fittings

Polyethylene vented boots and adapters

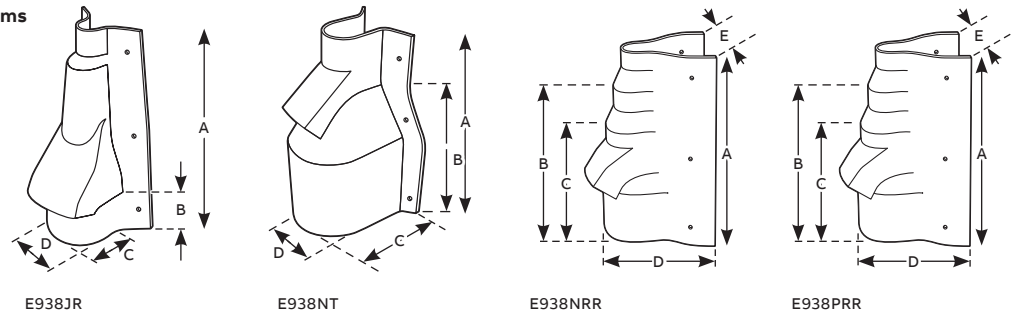
Note:

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

Vented boots

Cat. no.	Size (in.)	Dimensions (in.)					Std. ctn.	Std. ctn. wt. (lb)
		A	B	C	D	E		
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
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

Diagrams

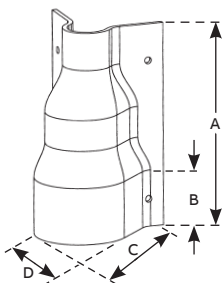


Adapters

Cat. no.	Size (in.)	Dimensions (in.)				Std. ctn.	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.	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

Diagrams e939jn



Diagrams e939jn

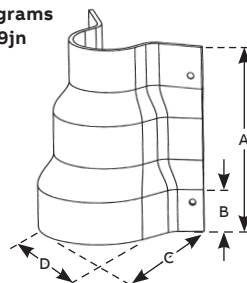
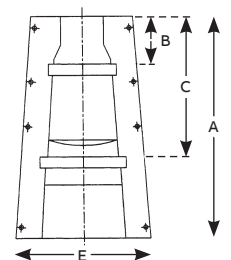



Diagram e939nrt



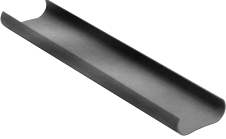
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PV-Mold installation and fittings

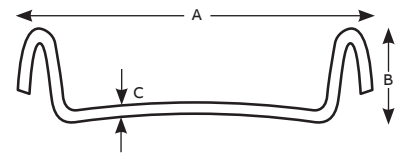
Duct to riser fittings

	Cat. no.	Size (in.)	Std. ctn.	Std. ctn. wt. (lb)
	E939NL	4 x 3	15	5.6

Backing plates

	Cat. no.	Size (in.)	Length (ft.)	Dimensions (in.)			Std. ctn.	Std. ctn. wt. (lb)
				A	B	C		
	59111	2	10	$\frac{1}{16}$	$\frac{13}{16}$	$2\frac{1}{8}$	1	1.2

Diagram



Carlton PV-Mold

PV-Mold installation instructions

Field installation instructions for Carlton PV-Mold adapters. For vented boots (E938JR, E938NT, E938NRR, E938PRR).

E938JR

To transition from 5 in. or smaller conduit to 2 in. 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 in. or smaller conduit to 3 in. and larger PV-Mold

For 3 in. PV-Mold: Measure 3.75 in. 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 in. and 5 in. PV-Mold: Measure 12 in. 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 in. to 8 in. conduit to 4 in. 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 in., the bottom 3 in. 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 in. or smaller conduit to 4 in. 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 in. or smaller conduit to 5 in. PV-Mold

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

To transition from 6 in. or smaller conduit to 6 in. PV-Mold*

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

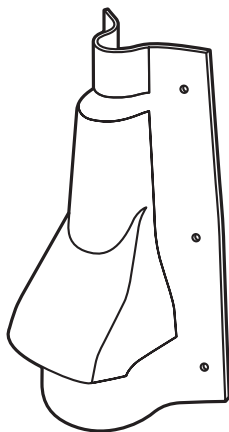
E938PRR

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

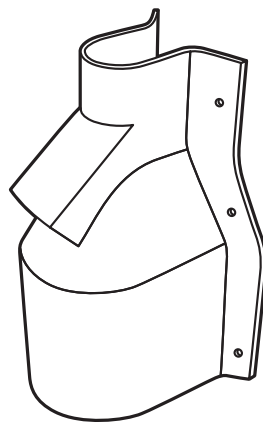
Assemble to pole as described above.

* 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 in. of the adapter be buried below grade.

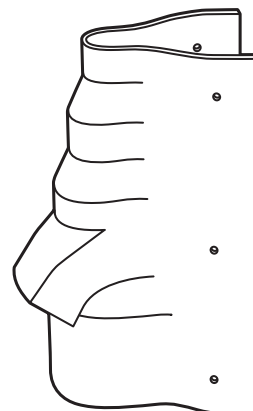
Diagrams



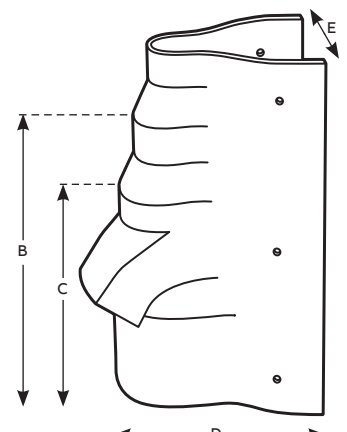
E938JR



E938NT



E938NRR



E938PRR