PV-Mold

Nonmetallic pole riser system

RUS accepted

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01 Slots are ½ in. from side to side to 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.

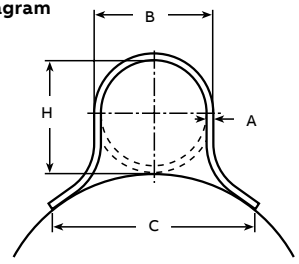
Carlon PV-Mold is a non-metallic pole riser system designed to protect communications or power cable installed on poles.

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
- 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

Size (in.)	Depth of bell (in.)
1	2–2¼
1½	2–2¼
2	2–2¼
3	3–2¼
4	4–2¼
5	4–2¼
6	5 – 2¼

Diagram



Flanged overall length
10 feet, including bell

Cat. no.	Size (in.)	Std. ctn. qty.	Std. ctn. wt. (lb)	Dimensions (in.) A	B	C	H	Actual impact @ 0 ˚C 20 lb tup
Standard duty								
59208N	1	294	1,059	0.100	1⅝	2⅜	1⅝	40 ft.-lb
59211N	2	136	726	0.100	2⅜	4½	2⅜	100 ft.-lb
59213N	3	66	761	0.150	3½	6	3½	110 ft.-lb
59215N	4	65	910	0.150	4½	6½	4½	110 ft.-lb
59216N	5	30	515	0.150	5½	7½	5½	110 ft.-lb

Cat. no.	Size (in.)	Std. ctn. qty.	Std. ctn. wt. (lb)	Dimensions (in.) A	B	C	H	Actual impact @ 0 ˚C 20 lb tup
Heavy duty schedule 40								
59010N	1½	200	1,142	0.145	1²⁹⁄₃₂	3½	1²⁹⁄₃₂	100 ft.-lb
59011N	2	136	1,214	0.154	2⅜	4½	2⅜	150 ft.-lb
59013N	3	66	934	0.216	3½	6	3⁹⁄₃₂	150 ft.-lb
59015N	4	65	1,621	0.237	4½	6½	4½	260 ft.-lb
59016N	5	30	870	0.258	5½	7½	5½	260 ft.-lb
59017N	6	30	1,160	0.280	6⅝	8¾	6⅝	260 ft.-lb

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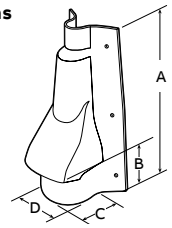
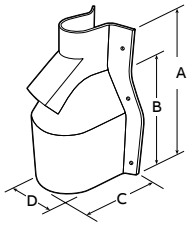
Polyethylene vented boots and adapters

Cat. no.	Size (in.)	Std. ctn. qty.	Std. ctn. wt. (lb)	Dimensions (in.) A	B	C	D
Vented boots							
E938JR	2 x 6	4	13.5	20.50	4.80	6.13	6.20
E938NT	4 x 8	4	21.0	21.00	15.00	11.34	9.76

Diagrams



E938JR

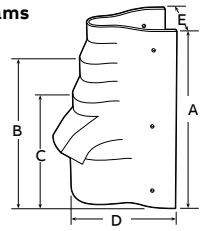


E938NT

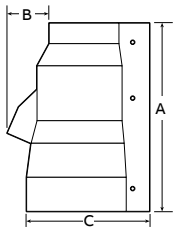
1. A field cut may be needed to accommodate different boot or adapter to Carlon U-Mold size combinations.
2. Recommendation: 2 sets of mounting holes per boot/fitting. To add mounting holes, use a ⅜ in. drill bit and drill out where needed.
3. When 3 in. or smaller conduit is being used, it's recommended that the bottom (largest section) of the boot or adapter section be buried 2 in. to 3 in. below ground surface.

Cat. no.	Size (in.)	Std. ctn. qty.	Std. ctn. wt. (lb)	Dimensions (in.) A	B	C	D	E
Vented boots								
E938NRR	4 x 6	6	26.4	20.87	16.57	12.87	11.68	11.43
E938PRR	5 x 6	6	23.2	16.74	3.65	10.84	11.43	–

Diagrams



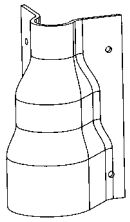
E938NRR

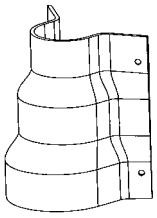


E938PRR

Cat. no.	Size (in.)	Std. ctn. qty.	Std. ctn. wt. (lb)	Dimensions (in.) A	B	C	D
Adapters							
E939JN	2 x 4	8	10.0	11.00	6.75	5.88	5.07
E939NR	4 x 6	6	11.7	11.00	6.75	7.08	7.13

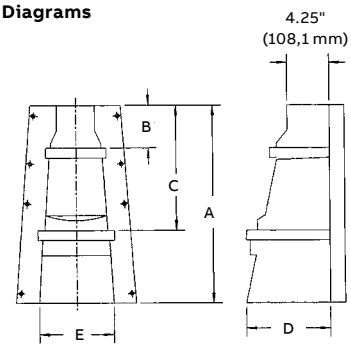
Diagrams


E939JN


E939NR

Cat. no.	Size (in.)	Std. ctn. qty.	Std. ctn. wt. (lb)	Dimensions (in.) A	B	C	D	E
Adapters								
E939NRT	4 x 6	3	14.0	19.75	4.25	12.50	8.50	7.40

Diagrams



Cat. no.	Size (in.)	Std. ctn. qty.	Std. ctn. wt. (lb)
Duct to riser fitting			
E939NL	4 x 3	15	5.6
E939N	4 x 4	15	5.3

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 ¼ in. lag bolts.

Field installation instructions for Carlon PV-Mold adapters
For adapters E939JN, E939NR, E939NRT

E939JN
To transition from 4 in. conduit to 2 in. 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 in. conduit to 3 in. PV-Mold, measure 6.3 in. up from bottom (large end) of adapter and cut. Assemble to pole as described above.

To transition from 3 in. conduit to 2 in. PV-Mold*, measure 4.75 in. up from bottom (large end) of adapter and cut. Assemble to pole as described above.

E939NR
To transition from 5 in. conduit to 4 in. 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 in. conduit to 5 in. PV-Mold, measure 7.25 in. up from bottom (large end) of adapter and cut. Assemble to pole as described above.

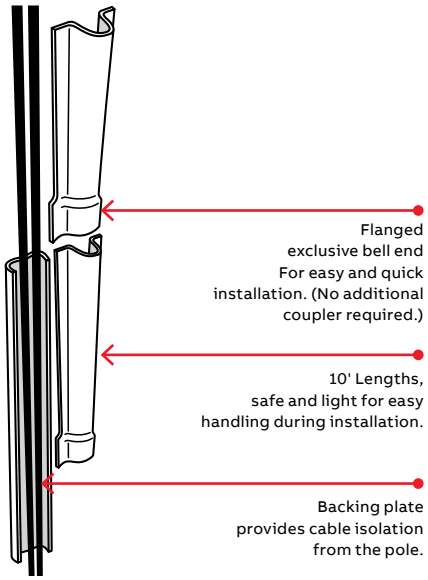
To transition from 5 in. conduit to 5 in. PV-Mold*, measure 4.5 in. down from the top of adapter and cut. Assemble to pole as described above.

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

E939NRT
To transition from 6 in. conduit to 4 in. 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.

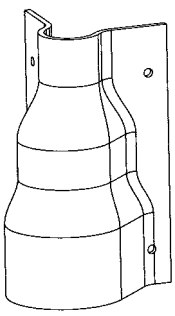
To transition from 6 in. conduit to 5 in. PV-Mold, measure 5.25 in. down from the top of the adapter and cut. Assemble to pole as described above.

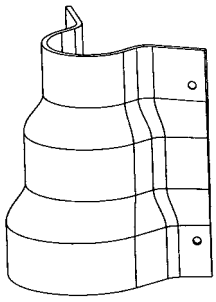
To transition from 6 in. conduit to 6 in. PV-Mold, measure 9.5 in. up from the bottom of the adapter and cut. Assemble to pole as described above.

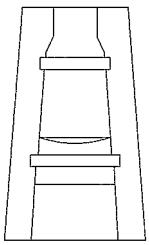



Two riser fittings available. Duct to riser fitting adapts duct to PV-Mold.


Ventilator fitting used for a “chimney” effect to cool cable and increase ampacity.


E939JN


E939NR


E939NRT

PV-Mold

Installation instructions

Field installation instructions for Carlon PV-Mold vented boots
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.

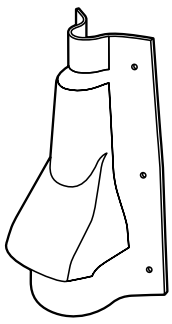
It is recommended that for conduit sizes smaller than 8 in., the bottom 3 in. of the boot be buried below grade. The E938NT can also be used to transition multiple smaller conduit to PV-Mold.

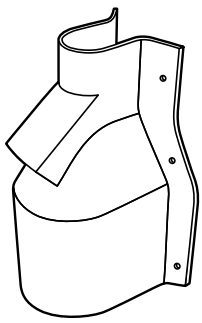
E938NRR
To transition from 6 in. or smaller conduit to 4 in. PV-Mold, place vented boot over conduit and attach to pole using the top and bottom mounting holes. Place PV-Mold over top section of vented boot and secure PV-Mold to pole.

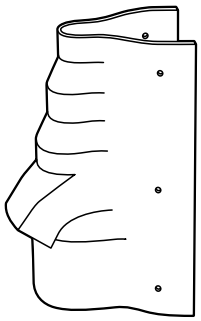
To transition from 6 in. or smaller conduit to 5 in. PV-Mold, measure 4.125 in. down from the top of the vented boot and cut. Assemble to pole as described above.

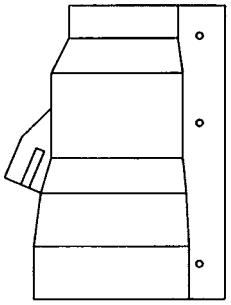
To transition from 6 in. or smaller conduit to 6 in. PV-Mold, measure 8.25 in. down from the top of the vented boot and cut. Assemble to pole as described above.

E938PRR
To transition from 6 in. or smaller conduit to 5 in. PV-Mold, assemble to pole as described above.


E938JR


E938NT


E938NRR


E938PRR