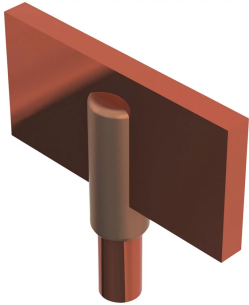


# Ground Rod to Lug or Busbar

## Data Solutions



nVent ERICO Cadweld graphite molds are designed and engineered for thousands of connection styles and conductor combinations.

## CERTIFICATIONS



## FEATURES

Forms a permanent, low resistance connection

Provides a molecular bond

nVent ERICO Cadweld Exothermic Connections are rated with the same current capacity as the conductor

Portable installation equipment with no external source of power required

Installers can be easily trained to make nVent ERICO Cadweld Exothermic Connections

Connections can be visually inspected

Mold Families LA and LE can be used with straight or offset lugs

## SPECIFICATIONS

Table 1/2

| Catalog Number | Article Number | Mold Family | Ground Rod Type | Ground Rod Diameter, Nominal | Ground Rod Diameter, Actual | Lug/Busbar Size |
|----------------|----------------|-------------|-----------------|------------------------------|-----------------------------|-----------------|
|----------------|----------------|-------------|-----------------|------------------------------|-----------------------------|-----------------|

|          |  |                                |               |         |         |                     |
|----------|--|--------------------------------|---------------|---------|---------|---------------------|
| LAC18EK  |  | LA (To Ground Rod) Mold Family | Copper-bonded | 0.75in  | 17.3mm  | 1/4" x 3" and wider |
| CSE14EG  |  | CS Mold Family                 | Steel         | 0.5in   | 12.83mm | 1/4" x 1 1/2"       |
| CMC14EAJ |  | CM Mold Family                 | Steel         | 0.5in   | 12.83mm | 4 mm x 25 mm        |
| CMC14EAL |  | CM Mold Family                 | Steel         | 0.5in   | 12.83mm | 4 mm x 40 mm        |
| CMC14EAM |  | CM Mold Family                 | Steel         | 0.5in   | 12.83mm | 4 mm x 50 mm        |
| CMC14FAM |  | CM Mold Family                 | Steel         | 0.5in   | 12.83mm | 5 mm x 50 mm        |
| CNC14EAJ |  | CN Mold Family                 | Steel         | 0.5in   | 12.83mm | 4 mm x 25 mm        |
| CNC14EAM |  | CN Mold Family                 | Steel         | 0.5in   | 12.83mm | 4 mm x 50 mm        |
| CSE16EAJ |  | CS Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 4 mm x 25 mm        |
| CSE16EAM |  | CS Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 4 mm x 50 mm        |
| CMC16CAJ |  | CM Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 3 mm x 25 mm        |
| CMC16CAM |  | CM Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 3 mm x 50 mm        |
| CMC16EAJ |  | CM Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 4 mm x 25 mm        |
| CMC16EAL |  | CM Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 4 mm x 40 mm        |
| CMC16EH  |  | CM Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 1/4" x 2"           |
| CMC16PAJ |  | CM Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 6 mm x 25 mm        |
| CMC16PAL |  | CM Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 6 mm x 40 mm        |
| CMC16PAM |  | CM Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 6 mm x 50 mm        |
| CNC16CAJ |  | CN Mold Family                 | Copper-bonded | 0.625in | 14.3mm  | 3 mm x 25 mm        |

|            |  |                |               |         |         |                        |
|------------|--|----------------|---------------|---------|---------|------------------------|
| CNC16CAK   |  | CN Mold Family | Copper-bonded | 0.625in | 14.3mm  | 3 mm x 30 mm           |
| CNC16EAM   |  | CN Mold Family | Copper-bonded | 0.625in | 14.3mm  | 4 mm x 50 mm           |
| CNC16FAL   |  | CN Mold Family | Copper-bonded | 0.625in | 14.3mm  | 5 mm x 40 mm           |
| CPC16BAH   |  | CP Mold Family | Copper-bonded | 0.625in | 14.3mm  | 2 mm x 20 mm           |
| CPC16CAJ   |  | CP Mold Family | Copper-bonded | 0.625in | 14.3mm  | 3 mm x 25 mm and wider |
| CPC16EAJ   |  | CP Mold Family | Copper-bonded | 0.625in | 14.3mm  | 4 mm x 25 mm and wider |
| CQR16CAH   |  | CQ Mold Family | Copper-bonded | 0.625in | 14.3mm  | 3 mm x 20 mm           |
| CRC16CE    |  | CR Mold Family | Copper-bonded | 0.625in | 14.3mm  | 1/8" x 1"              |
| CRC16EK    |  | CR Mold Family | Copper-bonded | 0.625in | 14.3mm  | 1/4" x 3" and wider    |
| CRC16FAM   |  | CR Mold Family | Copper-bonded | 0.625in | 14.3mm  | 5 mm x 50 mm and wider |
| CRC16PAM   |  | CR Mold Family | Copper-bonded | 0.625in | 14.3mm  | 6 mm x 50 mm and wider |
| CMCP160CAJ |  | CM Mold Family | Steel         | 16in    | 16mm    | 3 mm x 25 mm           |
| CRCP160CAJ |  | CR Mold Family | Steel         | 16in    | 16mm    | 3 mm x 25 mm           |
| CMC18CAJ   |  | CM Mold Family | Copper-bonded | 0.75in  | 17.32mm | 3 mm x 25 mm           |
| CMC18CAL   |  | CM Mold Family | Copper-bonded | 0.75in  | 17.32mm | 3 mm x 40 mm           |
| CNC18CAJ   |  | CN Mold Family | Copper-bonded | 0.75in  | 17.32mm | 3 mm x 25 mm           |
| CNC18CAK   |  | CN Mold Family | Copper-bonded | 0.75in  | 17.32mm | 3 mm x 30 mm           |
| CNC18CAL   |  | CN Mold Family | Copper-bonded | 0.75in  | 17.32mm | 3 mm x 40 mm           |
| CNC18EAL   |  | CN Mold Family | Copper-bonded | 0.75in  | 17.32mm | 4 mm x 40 mm           |

|            |        |                |               |        |         |                        |
|------------|--------|----------------|---------------|--------|---------|------------------------|
| CPC18CAJ   |        | CP Mold Family | Copper-bonded | 0.75in | 17.32mm | 3 mm x 25 mm and wider |
| CPC18EAJ   |        | CP Mold Family | Copper-bonded | 0.75in | 17.32mm | 4 mm x 25 mm and wider |
| CRC18BAL   |        | CR Mold Family | Copper-bonded | 0.75in | 17.32mm | 2 mm x 40 mm and wider |
| CRC18EAL   |        | CR Mold Family | Copper-bonded | 0.75in | 17.32mm | 4 mm x 40 mm and wider |
| CRC18EH    |        | CR Mold Family | Copper-bonded | 0.75in | 17.32mm | 1/4" x 2" and wider    |
| CRD18EK    |        | CR Mold Family | Copper-bonded | 0.75in | 17.32mm | 1/4" x 3" and wider    |
| CNCP180FAM |        | CN Mold Family | Steel         | 18in   | 18mm    | 5 mm x 50 mm           |
| CQRP190CAJ |        | CQ Mold Family | Steel         | 19in   | 19mm    | 3 mm x 25 mm           |
| CMCP200CAJ | 238133 | CM Mold Family | Steel         | 20in   | 20mm    | 3 mm x 25 mm           |
| CNCP200CAK |        | CN Mold Family | Steel         | 20in   | 20mm    | 3 mm x 30 mm           |
| CQFP200FAN |        | CQ Mold Family | Steel         | 20in   | 20mm    | 5 mm x 60 mm           |
| CQRP200PAJ |        | CQ Mold Family | Steel         | 20in   | 20mm    | 6 mm x 25 mm           |
| CMC22CAJ   |        | CM Mold Family | Copper-bonded | 1in    | 23.22mm | 3 mm x 25 mm           |
| CMD22FAM   |        | CM Mold Family | Copper-bonded | 1in    | 23.22mm | 5 mm x 50 mm           |

Table 2/2

| Catalog Number | Article Number | Certifications |
|----------------|----------------|----------------|
| LAC18EK        |                |                |
| CSE14EG        |                |                |
| CMC14EAJ       |                |                |
| CMC14EAL       |                |                |

| Catalog Number | Article Number | Certifications |
|----------------|----------------|----------------|
| CMC14EAM       |                |                |
| CMC14FAM       |                |                |
| CNC14EAJ       |                |                |
| CNC14EAM       |                |                |
| CSE16EAJ       |                |                |
| CSE16EAM       |                |                |
| CMC16CAJ       |                |                |
| CMC16CAM       |                |                |
| CMC16EAJ       |                |                |
| CMC16EAL       |                |                |
| CMC16EH        |                |                |
| CMC16PAJ       |                |                |
| CMC16PAL       |                |                |
| CMC16PAM       |                |                |
| CNC16CAJ       |                |                |
| CNC16CAK       |                |                |
| CNC16EAM       |                |                |
| CNC16FAL       |                |                |

| Catalog Number | Article Number | Certifications |
|----------------|----------------|----------------|
| CPC16BAH       |                |                |
| CPC16CAJ       |                |                |
| CPC16EAJ       |                |                |
| CQR16CAH       |                |                |
| CRC16CE        |                |                |
| CRC16EK        |                |                |
| CRC16FAM       |                |                |
| CRC16PAM       |                |                |
| CMCP160CAJ     |                |                |
| CRCP160CAJ     |                |                |
| CMC18CAJ       |                |                |
| CMC18CAL       |                |                |
| CNC18CAJ       |                |                |
| CNC18CAK       |                |                |
| CNC18CAL       |                |                |
| CNC18EAL       |                |                |
| CPC18CAJ       |                |                |
| CPC18EAJ       |                |                |

| Catalog Number | Article Number | Certifications |
|----------------|----------------|----------------|
| CRC18BAL       |                | cUL, UL        |
| CRC18EAL       |                |                |
| CRC18EH        |                |                |
| CRD18EK        |                |                |
| CNCP180FAM     |                |                |
| CQRP190CAJ     |                |                |
| CMCP200CAJ     | 238133         |                |
| CNCP200CAK     |                |                |
| CQFP200FAN     |                |                |
| CQRP200PAJ     |                |                |
| CMC22CAJ       |                |                |
| CMD22FAM       |                |                |

## ADDITIONAL PRODUCT DETAILS

For applications such as computer room, tunnel or other low-ventilation areas, specify a smokeless nVent ERICO Cadweld Exolon mold. Add an XL prefix to the standard mold part number when ordering (for example, a TAC2Q2Q becomes XLTAC2Q2Q). Similarly, nVent ERICO Cadweld Exolon welding material is also designated by the XL prefix (for example, 150 becomes XL150).

A gap between conductors may be required. See mold tag for more information.

| XX-X-XX-XX-L-M-W |                 |                                                                                         |
|------------------|-----------------|-----------------------------------------------------------------------------------------|
| XX               | Mold Family     |                                                                                         |
| X                | Price Key       |                                                                                         |
| XX               | Ground Rod Code |                                                                                         |
| XX               | Lug/Busbar Size |                                                                                         |
| L*               | Split Crucible  | Crucible section is split on molds designed with horizontal opening for easier cleaning |
| M*               | Mold Only       |                                                                                         |
| W*               | Wear Plates     | Reduce mechanical abrasion of molds at cable entry points                               |

\* Empty if none

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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