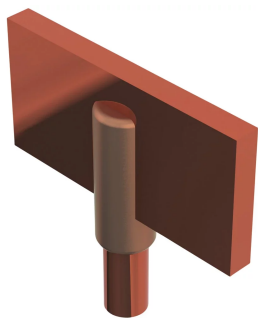


# GROUND ROD TO LUG OR BUSBAR



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	Ground Rod Type	Mold Family	Ground Rod Diameter, Nominal	Lug/Busbar Size	Price Key
LAC18EK		Copper-bonded	LA (To Ground Rod) Mold Family	0.75in	1/4" x 3" and wider	C

Catalog Number	Article Number	Ground Rod Type	Mold Family	Ground Rod Diameter, Nominal	Lug/Busbar Size	Price Key
CMC14EAJ		Steel	CM Mold Family	0.5in	4 mm x 25 mm	C
CMC14EAL		Steel	CM Mold Family	0.5in	4 mm x 40 mm	C
CMC14EAM		Steel	CM Mold Family	0.5in	4 mm x 50 mm	C
CMC14FAM		Steel	CM Mold Family	0.5in	5 mm x 50 mm	C
CNC14EAJ		Steel	CN Mold Family	0.5in	4 mm x 25 mm	C
CNC14EAM		Steel	CN Mold Family	0.5in	4 mm x 50 mm	C
CSE14EG		Steel	CS Mold Family	0.5in	1/4" x 1 1/2"	E
CMC16CAJ		Copper-bonded	CM Mold Family	0.625in	3 mm x 25 mm	C
CMC16CAM		Copper-bonded	CM Mold Family	0.625in	3 mm x 50 mm	C
CMC16EAJ		Copper-bonded	CM Mold Family	0.625in	4 mm x 25 mm	C
CMC16EAL		Copper-bonded	CM Mold Family	0.625in	4 mm x 40 mm	C
CMC16EH		Copper-bonded	CM Mold Family	0.625in	1/4" x 2"	C
CMC16PAJ		Copper-bonded	CM Mold Family	0.625in	6 mm x 25 mm	C
CMC16PAL		Copper-bonded	CM Mold Family	0.625in	6 mm x 40 mm	C
CMC16PAM		Copper-bonded	CM Mold Family	0.625in	6 mm x 50 mm	C
CNC16CAJ		Copper-bonded	CN Mold Family	0.625in	3 mm x 25 mm	C
CNC16CAK		Copper-bonded	CN Mold Family	0.625in	3 mm x 30 mm	C
CNC16EAM		Copper-bonded	CN Mold Family	0.625in	4 mm x 50 mm	C
CNC16FAL		Copper-bonded	CN Mold Family	0.625in	5 mm x 40 mm	C
CPC16BAH		Copper-bonded	CP Mold Family	0.625in	2 mm x 20 mm	C
CPC16CAJ		Copper-bonded	CP Mold Family	0.625in	3 mm x 25 mm and wider	C
CPC16EAJ		Copper-bonded	CP Mold Family	0.625in	4 mm x 25 mm and wider	C
CQR16CAH		Copper-bonded	CQ Mold Family	0.625in	3 mm x 20 mm	R
CRC16CE		Copper-bonded	CR Mold Family	0.625in	1/8" x 1"	C
CRC16EK		Copper-bonded	CR Mold Family	0.625in	1/4" x 3" and wider	C
CRC16FAM		Copper-bonded	CR Mold Family	0.625in	5 mm x 50 mm and wider	C
CRC16PAM		Copper-bonded	CR Mold Family	0.625in	6 mm x 50 mm and wider	C
CSE16EAJ		Copper-bonded	CS Mold Family	0.625in	4 mm x 25 mm	E
CSE16EAM		Copper-bonded	CS Mold Family	0.625in	4 mm x 50 mm	E
CMCP160CAJ		Steel	CM Mold Family	16in	3 mm x 25 mm	C

Catalog Number	Article Number	Ground Rod Type	Mold Family	Ground Rod Diameter, Nominal	Lug/Busbar Size	Price Key
CRCP160CAJ		Steel	CR Mold Family	16in	3 mm x 25 mm	C
CMC18CAJ		Copper-bonded	CM Mold Family	0.75in	3 mm x 25 mm	C
CMC18CAL		Copper-bonded	CM Mold Family	0.75in	3 mm x 40 mm	C
CNC18CAJ		Copper-bonded	CN Mold Family	0.75in	3 mm x 25 mm	C
CNC18CAK		Copper-bonded	CN Mold Family	0.75in	3 mm x 30 mm	C
CNC18CAL		Copper-bonded	CN Mold Family	0.75in	3 mm x 40 mm	C
CNC18EAL		Copper-bonded	CN Mold Family	0.75in	4 mm x 40 mm	C
CPC18CAJ		Copper-bonded	CP Mold Family	0.75in	3 mm x 25 mm and wider	C
CPC18EAJ		Copper-bonded	CP Mold Family	0.75in	4 mm x 25 mm and wider	C
CRC18BAL		Copper-bonded	CR Mold Family	0.75in	2 mm x 40 mm and wider	C
CRC18EAL		Copper-bonded	CR Mold Family	0.75in	4 mm x 40 mm and wider	C
CRC18EH		Copper-bonded	CR Mold Family	0.75in	1/4" x 2" and wider	C
CRD18EK		Copper-bonded	CR Mold Family	0.75in	1/4" x 3" and wider	D
CNCP180FAM		Steel	CN Mold Family	18in	5 mm x 50 mm	C
CQRP190CAJ		Steel	CQ Mold Family	19in	3 mm x 25 mm	R
CMCP200CAJ	238133	Steel	CM Mold Family	20in	3 mm x 25 mm	C
CNCP200CAK		Steel	CN Mold Family	20in	3 mm x 30 mm	C
CQFP200FAN		Steel	CQ Mold Family	20in	5 mm x 60 mm	F
CQRP200PAJ		Steel	CQ Mold Family	20in	6 mm x 25 mm	R
CMC22CAJ		Copper-bonded	CM Mold Family	1in	3 mm x 25 mm	C
CMD22FAM		Copper-bonded	CM Mold Family	1in	5 mm x 50 mm	D

Table 2/2

Catalog Number	Article Number	Ground Rod Diameter, Actual	Handle Clamp	Welding Material	Certifications
LAC18EK		17.3mm	L160, Sold Separately	150 or 150PLUSF20, Sold Separately	
CMC14EAJ		12.83mm	L160 and B399P, Sold Separately	115 or 115PLUSF20, Sold Separately	

CatalogNumber	Article Number	Ground Rod Diameter, Actual	Handle Clamp	Welding Material	Certifications
CMC14EAL		12.83mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CMC14EAM		12.83mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CMC14FAM		12.83mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CNC14EAJ		12.83mm	L160 and B399P, Sold Separately	115 or 115PLUSF20, Sold Separately	
CNC14EAM		12.83mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CSE14EG		12.83mm	L160 and B399P, Sold Separately	150 x 2 or 300PLUSF20, Sold Separately	
CMC16CAJ		14.3mm	L160 and B399P, Sold Separately	115 or 115PLUSF20, Sold Separately	
CMC16CAM		14.3mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CMC16EAJ		14.3mm	L160 and B399P, Sold Separately	115 or 115PLUSF20, Sold Separately	
CMC16EAL		14.3mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CMC16EH		14.3mm	L160 and B399P, Sold Separately	250 or 250PLUSF20, Sold Separately	
CMC16PAJ		14.3mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CMC16PAL		14.3mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CMC16PAM		14.3mm	L160 and B399P, Sold Separately	250 or 250PLUSF20, Sold Separately	

CatalogNumber	Article Number	Ground Rod Diameter, Actual	Handle Clamp	Welding Material	Certifications
CNC16CAJ		14.3mm	L160 and B399P, Sold Separately	115 or 115PLUSF20, Sold Separately	
CNC16CAK		14.3mm	L160 and B399P, Sold Separately	115 or 115PLUSF20, Sold Separately	
CNC16EAM		14.3mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CNC16FAL		14.3mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CPC16BAH		14.3mm	L160 and B399P, Sold Separately	90 or 90PLUSF20, Sold Separately	
CPC16CAJ		14.3mm	L160 and B399P, Sold Separately	115 or 115PLUSF20, Sold Separately	
CPC16EAJ		14.3mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CQR16CAH		14.3mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CRC16CE		14.3mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CRC16EK		14.3mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CRC16FAM		14.3mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CRC16PAM		14.3mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CSE16EAJ		14.3mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CSE16EAM		14.3mm	L160 and B399P, Sold Separately	150 x 2 or 300PLUSF20, Sold Separately	

CatalogNumber	Article Number	Ground Rod Diameter, Actual	Handle Clamp	Welding Material	Certifications
CMCP160CAJ		16mm	L160 and B399P, Sold Separately	115 or 115PLUSF20, Sold Separately	
CRCP160CAJ		16mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CMC18CAJ		17.32mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CMC18CAL		17.32mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CNC18CAJ		17.32mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CNC18CAK		17.32mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CNC18CAL		17.32mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CNC18EAL		17.32mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CPC18CAJ		17.32mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CPC18EAJ		17.32mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CRC18BAL		17.32mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	cUL, UL
CRC18EAL		17.32mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CRC18EH		17.32mm	L160 and B399P, Sold Separately	250 or 250PLUSF20, Sold Separately	
CRD18EK		17.32mm	L159 and B399P, Sold Separately	150 x 2 or 300PLUSF20, Sold Separately	

CatalogNumber	Article Number	Ground Rod Diameter, Actual	Handle Clamp	Welding Material	Certifications
CNCP180FAM		18mm	L160 and B399P, Sold Separately	250 or 250PLUSF20, Sold Separately	
CQRP190CAJ		19mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CMCP200CAJ	238133	20mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CNCP200CAK		20mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CQFP200FAN		20mm	L160 and B399P, Sold Separately	200 x 2 or 400PLUSF20, Sold Separately	
CQRP200PAJ		20mm	L160 and B399P, Sold Separately	150 or 150PLUSF20, Sold Separately	
CMC22CAJ		23.22mm	L160 and B399P, Sold Separately	200 or 200PLUSF20, Sold Separately	
CMD22FAM		23.22mm	L159 and B399P, Sold Separately	200 x 2 or 400PLUSF20, Sold Separately	

## 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.



Our powerful portfolio of brands:

**nVent.com**   **CADDY**   **ERICO**   **HOFFMAN**   **RAYCHEM**   **SCHROFF**

**TRACER**