



**CONNECT AND PROTECT**

# Grounding, Bonding and nVent ERICO Cadweld

Solutions Guide

  
nvent

**ERICO**

# SUPERIOR SOLUTIONS

Over 100 years of industry experience

Global support network

Comprehensive design and engineering services

Complete range of electrical protection solutions



## ERICO and nVent

### **CUSTOMIZED SOLUTIONS FOR THE MODERN WORLD**

Since 1903, ERICO has been a leading designer, manufacturer and marketer of precision-engineered solutions serving global niche product markets in a diverse range of telecom, commercial construction, utility and rail applications.

As a trusted industry leader, our products and services are recognized for providing labor and cost-saving solutions for customers throughout the world, while also providing the unparalleled service our customers have come to expect.

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# Facility Electrical Protection for the 21st Century

Lightning strikes and the dangerous over-voltage surges caused by lightning and man-made events represent a direct threat to people, buildings and sensitive electronic equipment.

Today, the consequences of an unexpected lightning strike or power surge can be catastrophic for a company. Proper protection can save thousands of dollars in damage, operational downtime and lost business opportunities.

## TOTAL FACILITY PROTECTION

The consequences of an unexpected lightning strike or power surge can be catastrophic for a facility:

- Personnel are at risk.
- Critical equipment may be damaged or destroyed.
- Data can be corrupted.
- The costs of operational downtime and lost revenue can be very substantial.

As industries become more dependent on increasingly sensitive equipment, proper protection from lightning and dangerous over-voltage transients is necessary.

With over 60 years of research, testing and product development, nVent ERICO has acknowledged that no single technology can totally eliminate vulnerability to lightning and surges.

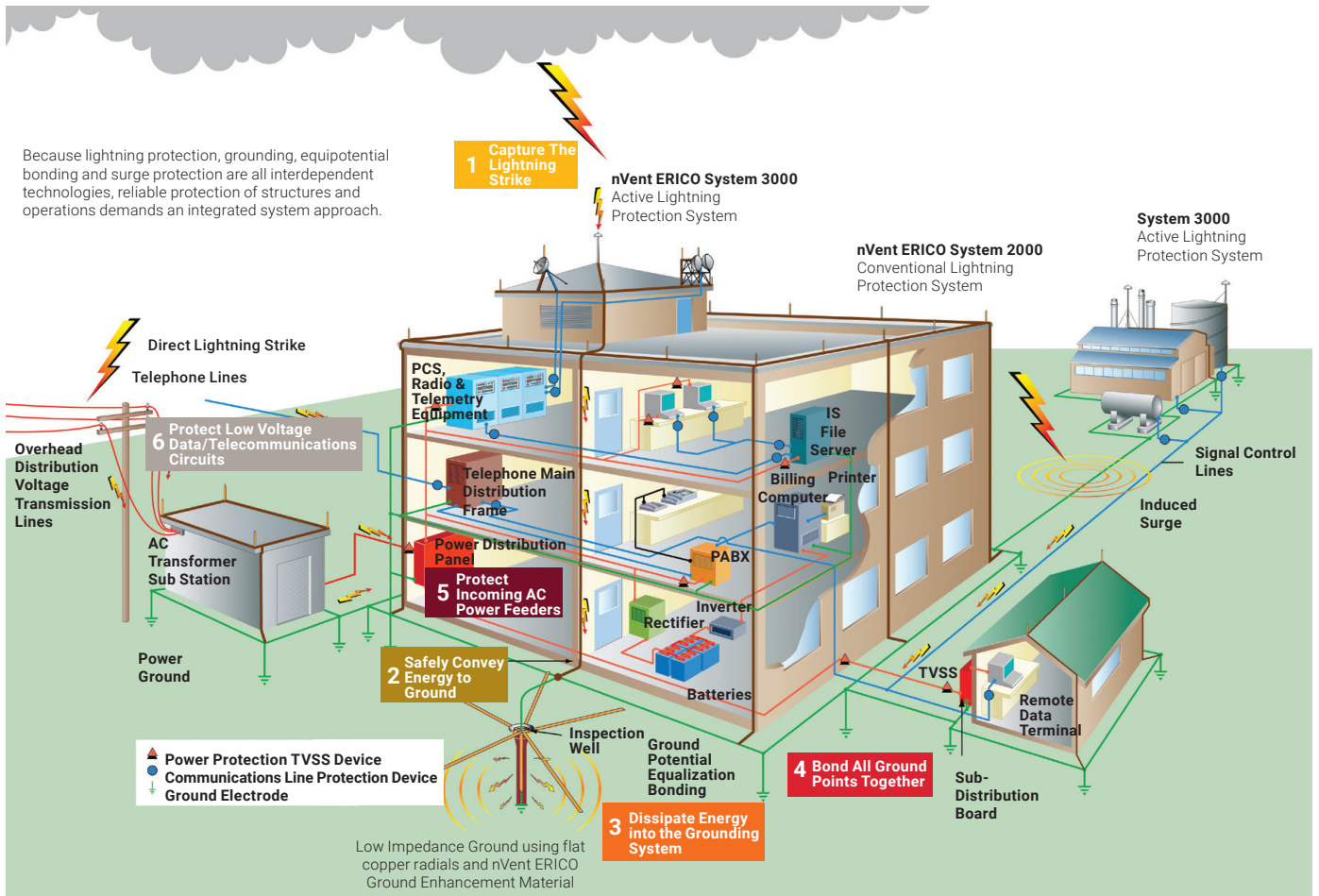
The nVent ERICO Six Point Plan of Protection is designed to provide total facility protection by integrating several concepts.

The Six Point Plan will minimize the risk of damage to facilities through:

- Direct Strike Protection
- Grounding and Bonding
- Surge and Over-voltage Transient Protection

## THE SIX POINT PLAN OF PROTECTION

- 1 Capture the lightning strike.**  
Capture the lightning strike to a known and preferred attachment point using a purpose-designed air terminal system.
- 2 Convey this energy to ground.**  
Conduct the energy to the ground via a purpose-designed downconductor.
- 3 Dissipate energy into the grounding system.**  
Dissipate energy into a low impedance grounding system.
- 4 Bond all ground points together.**  
Bond all ground points to eliminate ground loops and create an equipotential plane.
- 5 Protect incoming AC power feeders.**  
Protect equipment from surges and transients on incoming power lines to prevent equipment damage and costly operational downtime.
- 6 Protect low voltage data/telecommunications circuits.**  
Protect equipment from surges and transients on incoming telecommunications and signal lines to prevent equipment damage and costly operational downtime.

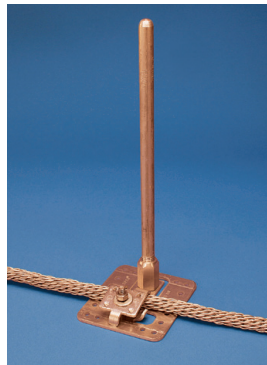
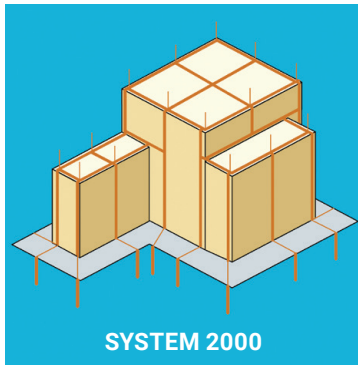


# Facility Electrical Protection for the 21st Century

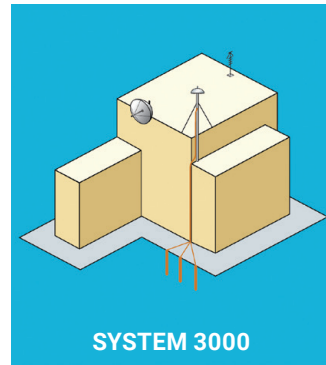
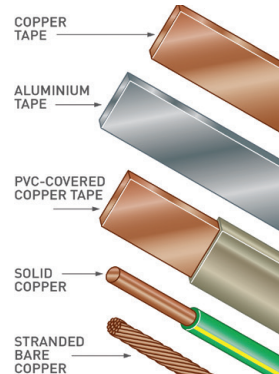
## DIRECT STRIKE PROTECTION

nVent ERICO's innovative technology provides two systems for capturing lightning energy: nVent ERICO System 2000 and nVent ERICO System 3000. The System 2000 provides conventional air terminal technology to meet traditional needs.

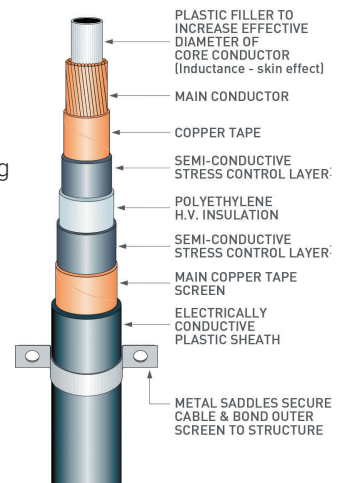
An alternative approach to lightning protection is the System 3000, which utilizes the collection volume method to determine the effective placement of lightning protection to ensure the safe conveyance and dissipation of the lightning energy into the ground. Over 7000 facilities worldwide, including some of the tallest and most vulnerable buildings, are protected by System 3000.



- Well known technology of passive rods or air terminals, familiar to installers
- Air terminals available in aluminum, copper and stainless
- IEC®, B.S., and U.S. Standard Compliant
- Precision manufacturing helps ensure easy assembly and installation
- Computer-aided design to IEC62305, NFPA®-780, AS/NZS1768



- Advanced lightning protection system based on latest lightning research and technology
- Enhanced area of protection, fewer air terminals needed
- Economical and easy to install
- Fewer downconductors are required
- Designed to protect all types of structures and "open areas"
- Computer-aided design using Collection Volume method



## EARTHING AND BONDING

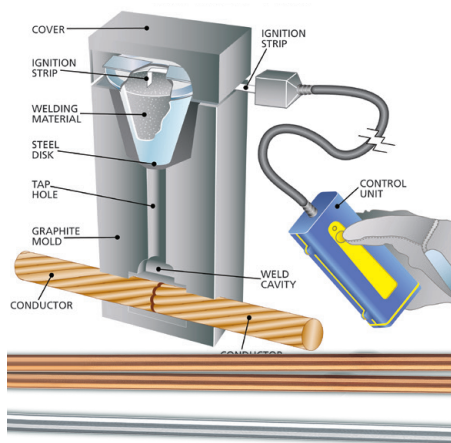
For the efficient performance of a lightning protection system, it is essential that a low impedance ground be provided to facilitate the dissipation of the lightning energy into the earth mass.

Because soil conditions and seasonal patterns vary from site to site, the methods of grounding need to be considered on an individual basis.

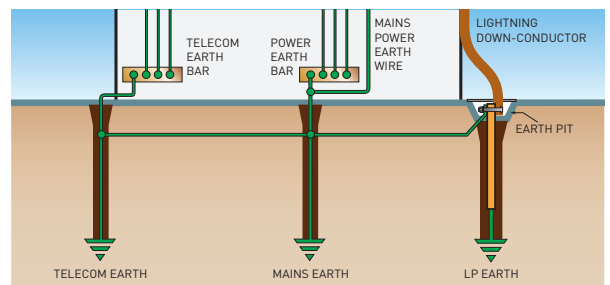
As a grounding specialist, nVent ERICO provides a range of grounding systems to suit any application.



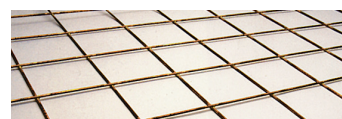
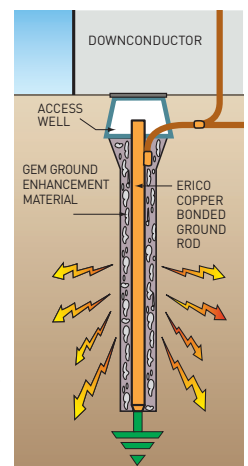
### nVent ERICO Cadweld Plus



Connections are often the most critical element of grounding systems, so the preferred method of connection is the nVent ERICO Cadweld exothermic welding process.



nVent ERICO offers a variety of products, such as ground bars, signal reference grids, ground plates and potential equalization clamps, which are designed to create an equipotential plane and help protect personnel and valuable equipment. nVent ERICO copper-bonded or stainless steel earth rods and GEM facilitate the transfer of surges and fault currents into the earth, and provide a very long service life due to superior construction and quality.



# Earthing Principles



## INTRODUCTION

Grounding and bonding are an integral part of any modern electrical protection system design. An effective, low-impedance ground system is a key element of this system.

It is crucial to help provide personnel safety, as well as reliable protection for vital equipment and to minimize interruptions of service and costly downtime.

With over a century of experience in the design and manufacture of bonding and grounding products, nVent ERICO, a single source provider, offers what we believe is the best range of long lasting and cost-effective grounding products available.

## BASIC DEFINITIONS

**Earth:** A conducting connection, whether intentional or accidental, between an electrical circuit or equipment and the earth, or to some conducting body that serves in place of the earth.

**Bonding:** The permanent joining of metallic parts to form an electrically conductive path that will ensure electrical continuity and the capacity to conduct any current likely to be imposed.

## THE NEED FOR EARTHING!

There are important reasons why a grounding system should be installed.

1. The most important reason is to help protect people!
2. For protection and safety in the event of unintentional contact with live conductors.
3. To help support maximum safety from electrical system faults and lightning.

It is a fundamental fact that current always flows to the point of lowest potential. The goal of any properly designed earthing system is to ensure that current generated by electrical faults or lightning events flows to this point. A good grounding system results in minimum voltage drop providing maximum safety to people while maintaining the reliability of equipment.

## EARTHING CODES AND STANDARDS

Earthing systems vary according to application. For example, the earthing requirements for power systems vary from lightning protection systems or telecommunication systems.

Proper installation of appropriate earthing systems requires knowledge of the needs and layout of the facility. Soil characteristics, grounding conductor materials grounding connections and terminations, are significant factors determining the design of a grounding system. Applicable standards and codes must be followed.

While many codes and standards contain minimum grounding and bonding requirements, the design and installation of electrical grounding systems is one of the most important aspects of any electrical distribution system. However, grounding systems can be misunderstood and therefore improperly designed and installed.

# Earthing Principles

## WHY IS EARTHING IMPORTANT?

The transient nature of lightning with its associated fast rise times and large magnitude currents mean that special consideration needs to be given to earthing, for lightning protection to be effective. Many factors such as soil resistivity variations, installation accessibility, layout and existing physical features are all site specific and tend to affect decisions on earthing methods. The primary goal of an earthing system for direct strike lightning protection is to:

- Efficiently dissipate lightning energy into the ground
- Help protect equipment and personnel
- Provide equipotential control

## EARTHING PRINCIPLES

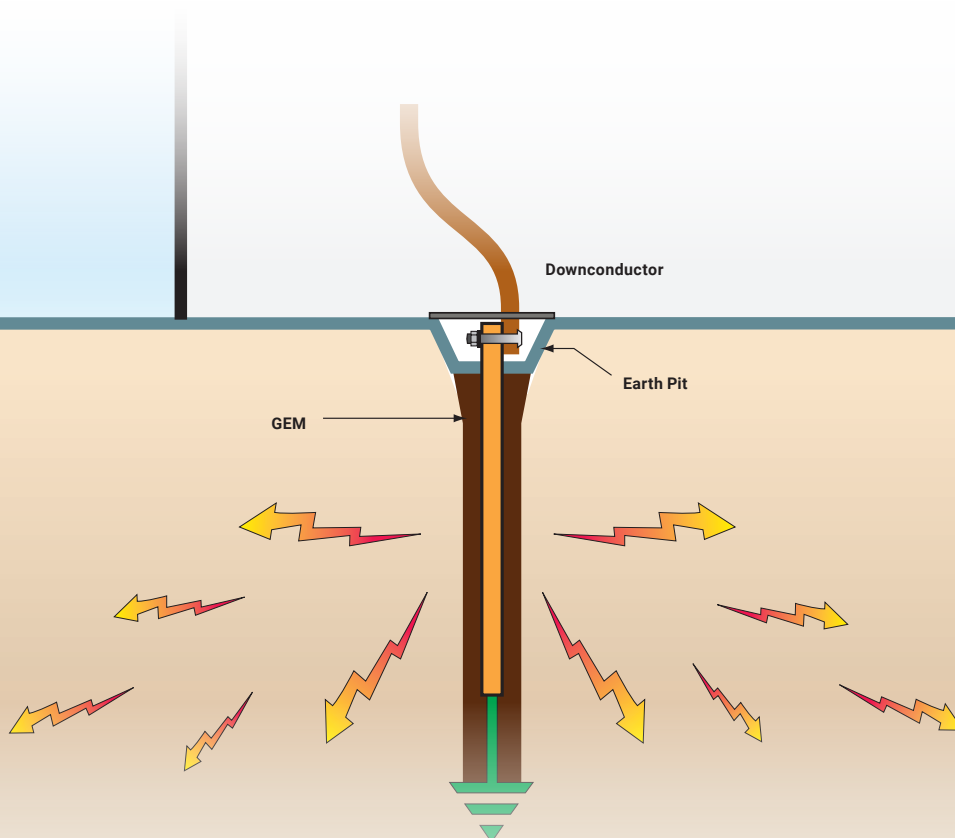
Low impedance is the key to lightning protection. All grounding conductors should be as short and direct as possible to minimize inductance and reduce peak voltages induced in the system. The earth electrode system must efficiently dissipate lightning surges into the ground by minimizing the impedance of the electrode to earth.

## SOIL RESISTIVITY

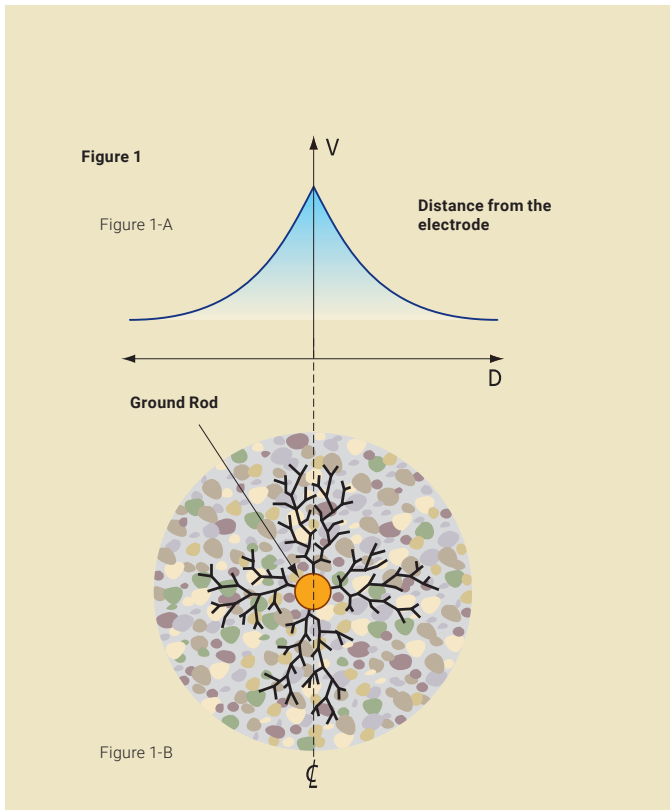
Soil resistivity is an important design consideration. The resistivity varies markedly for different soil types, moisture content and temperatures and gives rise to variations in ground impedances.

## SHORT, DIRECT EARTH CONNECTIONS

The voltage generated by a lightning discharge depends primarily on the risetime of the current and the impedance (primarily inductance) of the path to ground. Extremely fast rise times result in significant voltage rises due to any series inductance resulting from long, indirect paths, or sharp bends in the routing of ground conductors. This is why short, direct ground connections are important.



# Earthing Principles



**Figure 1:** illustrates current flow from a single earth electrode. The current paths are shown in Figure 1-B. Figure 1-A illustrates the voltage gradient that is produced as a result of this current flow. This gradient levels off at some distance from the earth electrode. The voltage gradients are determined by the earth electrode impedance and the soil resistivity.

## Characteristics of good earthing systems include:

- **High electrical conductivity**
- **Long life – robust and capable of withstanding fault and lightning currents**
- **Low ground resistance and impedance**

High electrical conductivity helps minimize system impedance and reduces potential differences between bonded metallic water services, power systems, telecommunication systems and the earth reference point. High electrical conductivity also minimizes step and touch potential in substation earthing applications.

## LONG LIFE

The earth electrode system should be corrosion resistant, and compatible with other conductors that are buried and bonded to the earthing system. Copper is commonly used for earthing conductors. When accessible, some form of maintenance or inspection procedure should be adopted to ensure the long-term effectiveness of an earthing system.

Mechanical connectors are sometimes used to join earthing conductors, however they are more susceptible to corrosion, especially when dissimilar metals are used. In addition to mechanical strength, Cadweld connections provide excellent low impedance, long life electrical connections with excellent corrosion resistance.

## GROUND RESISTANCE

When current flows from an earth electrode into the surrounding soil, it can be described as flowing through a series of concentric shells of increasing diameter.

Each successive shell has a greater area for current flow and consequently, lower resistance. At some point distant from the earth conductor the current dissipation becomes so large and current density so small, that the resistance becomes negligible.

The equations for systems of electrodes are very complex and often expressed only as approximations. For example uniform earth (or soil) resistivity is assumed, although this is seldom the case in nature. The most commonly used formula for single ground electrode systems, developed by Professor H.R. Dwight of the Massachusetts Institute of Technology, is the following:

$$R = \rho \frac{1}{2\pi L} \left\{ \ln \frac{4L}{r} - 1 \right\}$$

R = resistance in ohms of the ground rod to the earth (or soil)

L = grounding electrode length

r = grounding electrode radius

$\rho$  = average resistivity in ohms-cm.

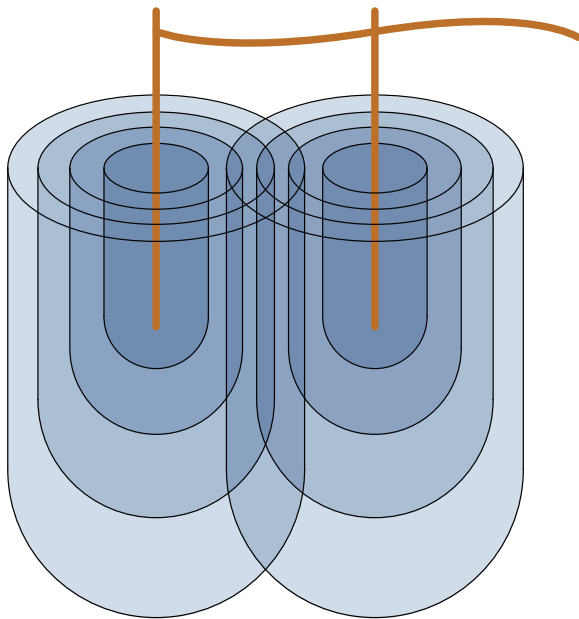
# Earthing Principles

## CONDITIONS INFLUENCING SOIL RESISTIVITY

The resistance of the earth itself (soil resistivity) can significantly impact the overall impedance of the grounding system. Several factors, such as soil composition, moisture content, mineral content, contaminants, etc., determine the overall resistivity of the earth.

SOIL TYPE	Resistivity ohm-cm		
	Average	Min.	Max.
Fills – ashes, cinders, brine wastes	2,370	590	7,000
Clay, shale, gumbo, loam	4,060	340	16,300
Clay, shale, gumbo, loam with varying proportions of sand and gravel	15,800	1,020	135,000
Gravel, sand, stones, with little clay or loam	94,000	59,000	458,000

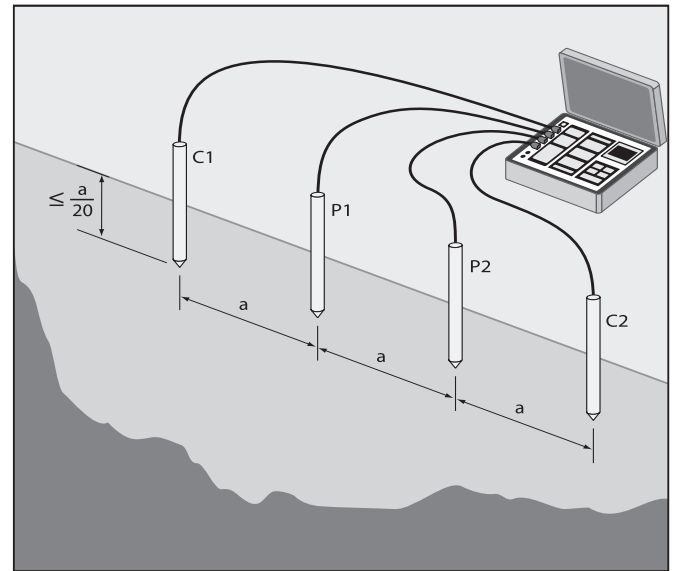
U.S. Bureau of Standards Technical Report 108



Sphere of Influence - parallel earth electrodes need to be properly spaced to minimize ground resistance due to sphere of influence. The distance between earth electrodes should be greater than or equal to the length of the electrodes.

## SOIL RESISTIVITY TESTING

To properly design a grounding system, it is essential to test soil resistivity. There are a few methods that can be used to measure earth resistivity. The four point method is the most common and accurate and the one that nVent recommends.



## THE FOUR-POINT METHOD (EQUALLY SPACED OR WENNER METHOD)

1. Four test stakes are positioned in a straight line an equal distance apart and are installed into the ground as shown in Figure 2.
2. A resistance tester is connected as shown in Figure 2. A test current is passed between the outer probes, C1 and C2, and the voltage is measured between the two inner probes, P1 and P2.
3. With this arrangement the apparent resistivity is determined using the following equation:

R = the resistance value in ohms, measured from the test instrument

$$\rho = \frac{4\pi aR}{\frac{1+2a}{\sqrt{a^2+4b^2}} - \frac{2a}{\sqrt{a^2+4b^2}}}$$

Where:

a = distance between the electrodes in centimeters

b = electrode depth in centimeters

If  $a > 20b$ , the formula can be simplified to:

$$\rho = 2\pi aR \text{ (with } a \text{ in cm)}$$

$\rho$  = Soil resistivity (ohm-cm)

This value is average resistivity of the ground at a depth equivalent to the distance "a" between two electrodes.

# Earthing Principles



Avoid hazardous Step and Touch Potentials (shock) or even death by low impedance grounding and bonding between metallic equipment, chassis, piping, and other conductive objects so that currents, due to faults, do not result in hazardous voltage rise.

## STEP AND TOUCH POTENTIAL

### STEP POTENTIAL

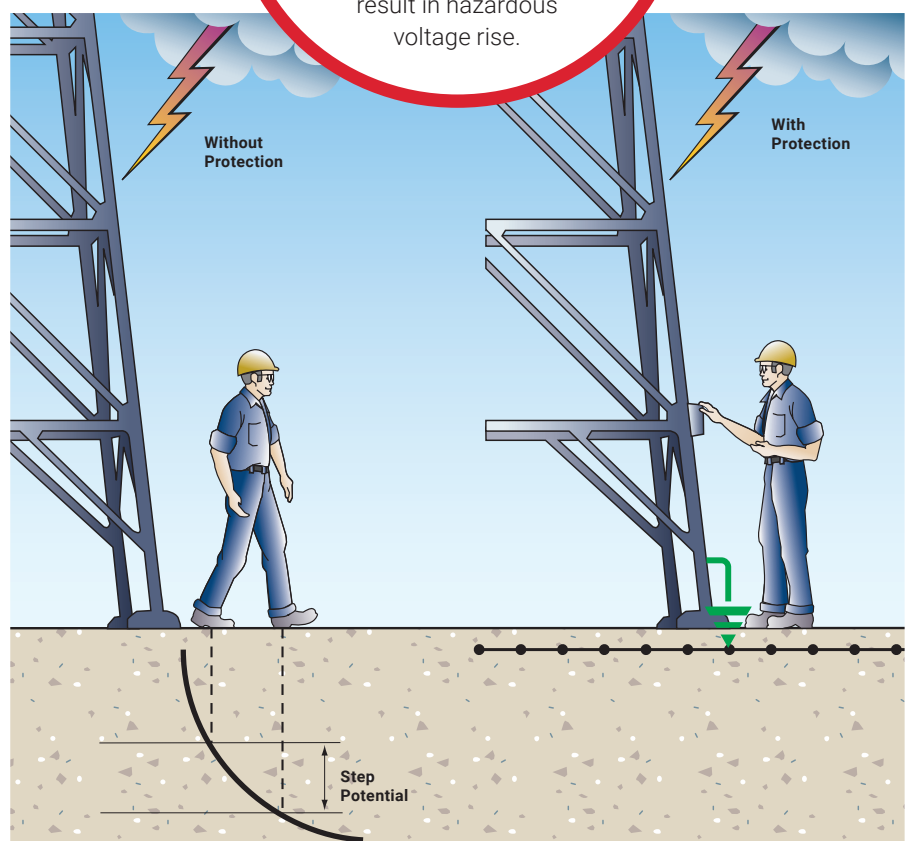
Step potential is the voltage difference between a person's feet caused by the dissipation gradient of a fault entering the earth.

### TOUCH POTENTIAL

Touch potential is similar to "Step potential" except that the fault current passes through the person's arm and torso on the way to the ground.

With proper installation of grounding systems these step and touch potentials can be minimized to a safe level.

See IEEE Std 80, IEEE Guide for Safety in AC Substation Grounding.



# Earthing Principles

## GROUNDING/EARTHING SYSTEM DESIGN

Earthing systems are important. It is far more economical to design and install an appropriate earthing system during initial construction than it is to expand, augment or replace an earthing system after the facility is in service. Care should be taken to design a system that is appropriate both for clearing earth faults and dissipating lightning energy. The system must have a long performance life, meet applicable codes/standards for safety, and have sufficient bonding points to make it easy to expand the earthing system for future growth.

### DESIGN CONSIDERATIONS INCLUDE:

- Purpose of facility
- Design life of facility
- Soil resistivity
- Corrosive nature of soil
- Shape and available area of facility site
- Existing structures and their grounding systems
- Seasonal variations in moisture and temperature for facility site
- Public access & personnel use
- Adjacent facilities and electrical systems
- Future uses, additions, equipment for facility

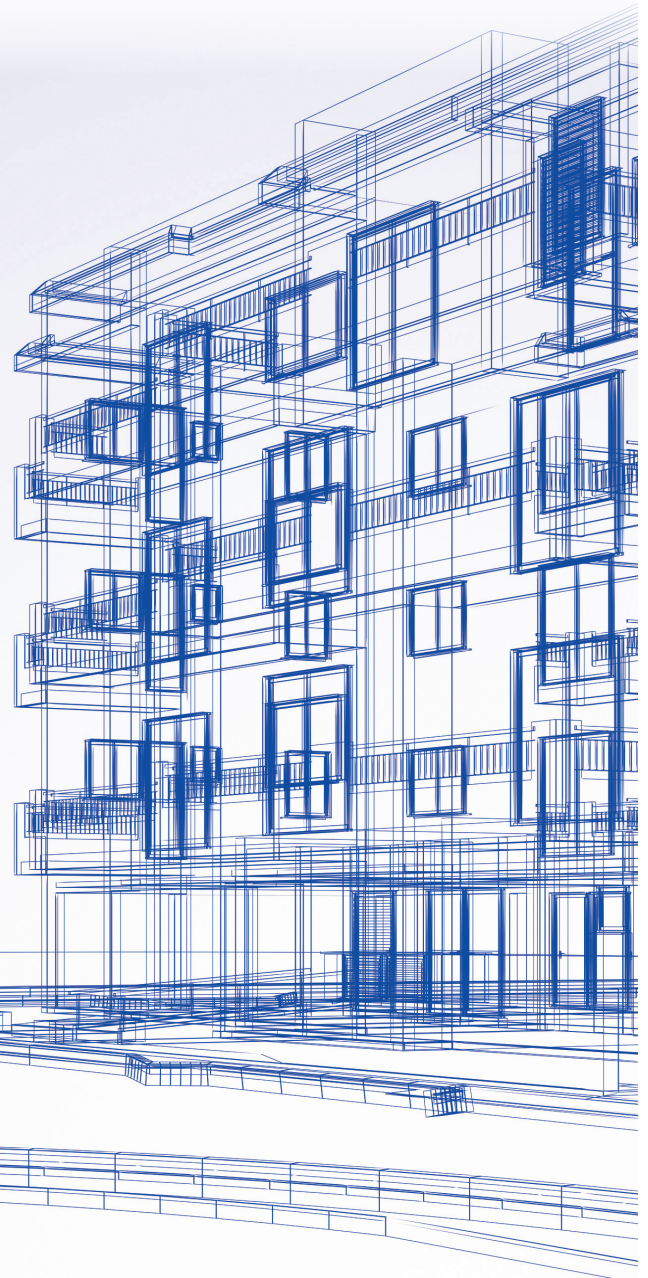
For proper operation of overcurrent devices it is important to have a low impedance path for the return current.

For dissipation of direct or indirect lightning currents, it is better to have many horizontal ground conductors in the soil, preferably in a radial array. This provides a low impedance path of dissipation to the high frequency component of the lightning energy.

For personnel, particularly where equipment operators will be located or where accessible by the public, it is important to have a grid system or other equipotential plane to reduce "step potential" and have equipment and metal structures bonded to the earth system to reduce "touch potential".

A proper facility earthing system incorporates these necessities in the most cost-effective manner that will last for the design life of the facility.

nVent is a manufacturer and marketer of earthing, bonding, lightning protection and surge protection products and systems under the ERICO brand. nVent has many knowledgeable and experienced engineers on staff with the training and the tools (including some of the latest design software) to design appropriate earthing systems. These engineers can assist facility owners, engineers and contractors in designing the most appropriate system for the facility in question.



# Earthing Principles

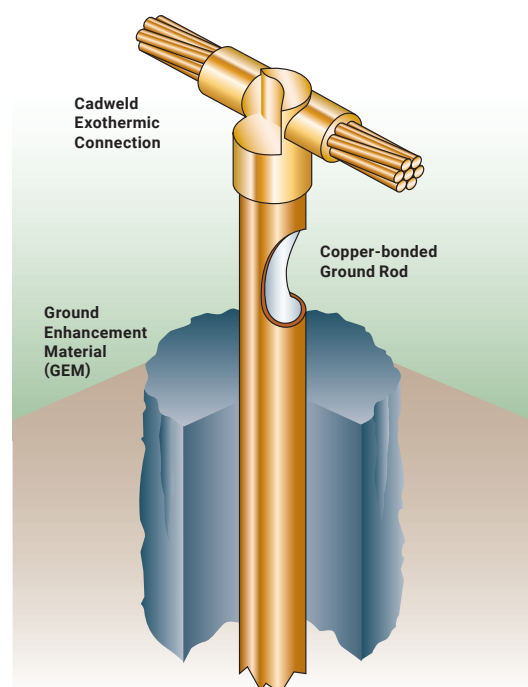
## THE EARTHING CHAIN

The performance of the earthing system is determined by the quality of the following five components all of which are of equal importance.

1. The Earthing Electrode Conductor. Commonly made from copper or copper-bonded steel, the earthing electrode conductor must be large enough to withstand the maximum available fault current over the maximum clearing time.
2. The Earthing Connections. Often overlooked, the earthing connections are used to tie the elements of the electrode system together. Exothermically welded connections provide a molecular bond that will never loosen or corrode. Mechanical connectors, such as crimp, bolted, and wedge type, rely on physical point-to-point surface contact to maintain the integrity of the electrical connection. IEEE® Standard 837-2014 provides detailed information on the application and testing of permanent grounding connections. nVent ERICO can provide an independent, third-party test report evaluating the performance of these connectors in accordance with the testing procedures set forth in IEEE Standard 837-2014, Standard for Qualifying Permanent Substation Grounding Connections.
3. The Earthing Electrode. The earthing electrode provides the physical connection to the earth and is used to dissipate current into it. There are two main types of electrodes. "Natural" electrodes are intrinsic to the facility and include metal underground water pipe, the metal frame of the building, and reinforcing steel in concrete foundations. "Made" electrodes are installed specifically to improve the performance of the earthing system and include wire meshes, metallic plates, buried conductor and rods or pipes driven into the ground. The ground rod is the most widely used electrode.
4. Electrode to Soil Resistance. Rod surface area, depth and placement are the controlling factors. Doubling diameter reduces resistance by only 10% and is not cost effective. Doubling rod length, however, theoretically reduces resistance up to 40%. The most common solution is proper placement of multiple rods that are driven to the required depths.
5. The Soil. The soil resistivity, measured in ohm-centimeters or ohm-meters, plays the most significant role in determining the overall performance of the grounding system and must be known before a proper grounding system can be engineered.



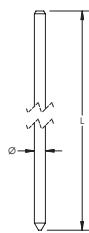
The earthing system will carry little or no current for long periods of time until a fault or lightning strike occurs. When this happens the components will conduct a large amount of current and should be expected to perform like new. Most of the earthing system is concealed below grade, making inspection of the grounding components difficult or impossible. The underground environment is a harsh one. The initial selection of the components used in the grounding system is of critical importance to its long-term effectiveness.





# Ground Rods and Accessories

## COPPER-BONDED GROUND ROD, POINTED



### FEATURES

- 99.9% pure electrolytic copper coating
- Molecular bond to nickel-sealed high strength steel core
- Rods have a high carbon steel core and tip that provide superior strength when driving
- Copper coating will not crack when bent or tear when driven
- Minimum copper coating of 10 mils on rods listed to UL® 467
- ERICO name, length, diameter and part number is roll-stamped within 12" (304,8 mm) of chamfered end
- UL logo and control number where applicable stamped on each rod for easy inspection after installation

Material: Copper-Bonded Steel  
Tensile Strength: 552 MPa Min

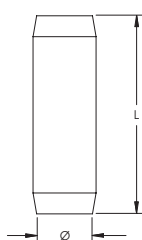


Part Number	Superceded Part Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Length	Plating Thickness	Unit Weight	UPC Label	Complies With	Certifications
613840	155000	3/8"	9,0 mm	1,2 m	254 µm	0,57 kg	No	-	-
613850	155010	3/8"	9,0 mm	1,5 m	254 µm	0,73 kg	No	-	-
613860		3/8"	9,0 mm	1,8 m	254 µm	0,90 kg	No	-	-
613870	155030	3/8"	9,0 mm	2,1 m	254 µm	1,10 kg	No	-	-
613880	155040	3/8"	9,0 mm	2,4 m	254 µm	1,23 kg	No	-	-
613800	155050	3/8"	9,0 mm	3,0 m	254 µm	1,60 kg	No	-	-
611330	-	1/2"	12,7 mm	0,9 m	254 µm	0,98 kg	No	-	-
6113330	155055	1/2"	12,7 mm	1,0 m	254 µm	1,00 kg	No	-	-
611340	155060	1/2"	12,7 mm	1,2 m	254 µm	1,26 kg	No	-	-
611350	155070	1/2"	12,7 mm	1,5 m	254 µm	1,57 kg	No	-	-
611353	-	1/2"	12,7 mm	1,5 m	330 µm	1,67 kg	No	-	-
611360	-	1/2"	12,7 mm	1,8 m	254 µm	2,01 kg	No	-	-
611370	155090	1/2"	12,7 mm	2,1 m	254 µm	2,11 kg	No	ANSI®/NEMA® GR1	-
611380	-	1/2"	12,7 mm	2,4 m	254 µm	2,51 kg	No	ANSI®/NEMA® GR1	UL
611300	155110	1/2"	12,7 mm	3,0 m	254 µm	3,11 kg	No	ANSI®/NEMA® GR1	CSA, cULus
611303	-	1/2"	12,7 mm	3,0 m	330 µm	3,35 kg	No	ANSI®/NEMA® GR1	cULus
615830	-	5/8"	14,2 mm	0,9 m	254 µm	1,13 kg	No	IEC® EN 62561-2	-
6158330	155235	5/8"	14,2 mm	1,0 m	254 µm	1,25 kg	No	IEC® EN 62561-2	-
615840	155240	5/8"	14,2 mm	1,2 m	254 µm	1,54 kg	No	IEC® EN 62561-2	-
615843	-	5/8"	14,2 mm	1,2 m	330 µm	1,54 kg	No	IEC® EN 62561-2	-
615850	155250	5/8"	14,2 mm	1,5 m	254 µm	1,92 kg	No	IEC® EN 62561-2	-
615853	-	5/8"	14,2 mm	1,5 m	330 µm	2,04 kg	No	IEC® EN 62561-2	-
615860	-	5/8"	14,2 mm	1,8 m	254 µm	2,30 kg	No	IEC® EN 62561-2	-
615863	-	5/8"	14,2 mm	1,8 m	330 µm	2,45 kg	No	IEC® EN 62561-2	-
6158660	155265	5/8"	14,2 mm	2,0 m	254 µm	2,53 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	-
615870	155270	5/8"	14,2 mm	2,1 m	254 µm	2,66 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	-
615880	-	5/8"	14,2 mm	2,4 m	254 µm	3,07 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	UL
615883	-	5/8"	14,2 mm	2,4 m	330 µm	3,08 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	UL
615800	155290	5/8"	14,2 mm	3,0 m	254 µm	3,85 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	CSA, cULus
615803	-	5/8"	14,2 mm	3,0 m	330 µm	3,83 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	cULus
615812	-	5/8"	14,2 mm	3,7 m	254 µm	4,54 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	cULus
615815	-	5/8"	14,2 mm	4,6 m	254 µm	5,78 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	cULus

Part Number	Superceded Part Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Length	Plating Thickness	Unit Weight	UPC Label	Complies With	Certifications
615950	-	5/8"	16,0 mm	1,5 m	254 µm	2,35 kg	No	-	-
615980	-	5/8"	16,0 mm	2,4 m	254 µm	3,87 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	UL
615900	-	5/8"	16,0 mm	3,0 m	254 µm	4,76 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	cULus
613440	155420	3/4"	17,3 mm	1,2 m	254 µm	2,55 kg	No	IEC® EN 62561-2	-
613450	155430	3/4"	17,3 mm	1,5 m	254 µm	2,81 kg	No	IEC® EN 62561-2	-
613460	155440	3/4"	17,3 mm	1,8 m	254 µm	3,40 kg	No	IEC® EN 62561-2	-
613470	155450	3/4"	17,3 mm	2,1 m	254 µm	3,85 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	-
613480	155460	3/4"	17,3 mm	2,4 m	254 µm	4,56 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	UL
613483	-	3/4"	17,3 mm	2,4 m	330 µm	4,54 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	UL
613400	155470	3/4"	17,3 mm	3,0 m	254 µm	5,72 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	CSA, cULus
613403	-	3/4"	17,3 mm	3,0 m	330 µm	5,63 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	cULus
613412	-	3/4"	17,3 mm	3,7 m	254 µm	6,77 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	cULus
613415	-	3/4"	17,3 mm	4,6 m	254 µm	8,39 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	cULus
693400	-	3/4"	19,1 mm	3,0 m	254 µm	5,60 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	cULus
693450	-	3/4"	19,1 mm	1,5 m	254 µm	2,80 kg	No	-	-
693480	-	3/4"	19,1 mm	2,4 m	254 µm	4,56 kg	No	IEC® EN 62561-2, ANSI®/NEMA® GR1	UL
614400	-	1"	23,2 mm	3,0 m	254 µm	10,00 kg	No	ANSI®/NEMA® GR1	CSA, cULus

For rods to be listed to UL® 467, they must be at least 8' (2.43 m) in length. IEC® EN 62561-2 supercedes EN 50164-2. Additional lengths available.

## COMPRESSION COUPLER FOR COPPER-BONDED GROUND ROD, POINTED



### FEATURES

- Threadless compression coupler for use with pointed copper-bonded ground rods
- Inside of coupler is tapered so ground rod compresses during installation to form an irreversible conductive connection



Part Number	Article Number	Ground Rod Diameter, Nominal	Length	Unit Weight	Complies With	Certifications
<b>Material: Brass</b>						
156650		1/2"	70.0 mm	0.13 kg		
<b>Material: Silicon Bronze</b>						
CC12F	158000	1/2"	69.8 mm	0.13 kg		CSA, cULus
CC58	158010	5/8"	69.8 mm	0.15 kg	IEC® EN 62561-2	CSA, cULus
CC34	158020	3/4"	69.8 mm	0.20 kg	IEC® EN 62561-2	CSA, cULus

IEC® EN 62561-2 supercedes EN 50164-2.

## COPPER-BONDED GROUND ROD, SECTIONAL



### FEATURES

- Cold-rolled threads with continuous, unbroken grain flows preserve copper coating and are stronger than cut threads
- 99.9% pure electrolytic copper coating
- Molecular bond to nickel-sealed high strength steel core
- Rods have a high carbon steel core and tip that provide superior strength when driving
- Copper coating will not crack when bent or tear when driven
- Minimum copper coating of 10 mils on rods listed to UL® 467
- ERICO name, length, diameter and part number is roll-stamped within 12" (304,8 mm) of chamfered end
- UL logo and control number where applicable stamped on each rod for easy inspection after installation

Material: Copper-Bonded Steel  
Tensile Strength: 552 MPa Min

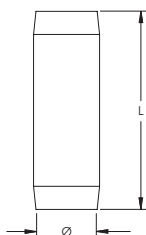


Part Number	Superseded Part Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Thread Size	Length	Plating Thickness	Unit Weight	Complies With	Certifications
<b>Thread Location: Chamfered (Non-Pointed) End Only</b>									
625850		5/8"	14,2 mm	5/8 UNC	1,500 mm	254 µm	1,9 kg	IEC® EN 62561-2	
<b>Thread Location: Pointed and Chamfered Ends</b>									
631340	-	1/2"	12,8 mm	9/16 UNC	1,2 m	254 µm	1,2 kg	-	-
631350	-	1/2"	12,8 mm	9/16 UNC	1,5 m	254 µm	1,6 kg	-	-
631360	-	1/2"	12,8 mm	9/16 UNC	1,8 m	254 µm	1,9 kg	-	-
631380	-	1/2"	12,8 mm	9/16 UNC	2,4 m	254 µm	2,4 kg	ANSI®/NEMA® GR1	UL
631300	-	1/2"	12,8 mm	9/16 UNC	3,0 m	254 µm	3,1 kg	ANSI®/NEMA® GR1	CSA, cULus
631303	-	1/2"	12,8 mm	9/16 UNC	3,0 m	330 µm	3,2 kg	ANSI®/NEMA® GR1	cULus
635830	-	5/8"	14,2 mm	5/8 UNC	0,9 m	254 µm	1,2 kg	IEC® EN 62561-2	-
635843	-	5/8"	14,2 mm	5/8 UNC	1,2 m	330 µm	1,5 kg	IEC® EN 62561-2	-
635840	155300	5/8"	14,2 mm	5/8 UNC	1,2 m	254 µm	1,5 kg	IEC® EN 62561-2	-
635850	155310	5/8"	14,2 mm	5/8 UNC	1,5 m	254 µm	1,9 kg	IEC® EN 62561-2	-
635860	155320	5/8"	14,2 mm	5/8 UNC	1,8 m	254 µm	2,3 kg	IEC® EN 62561-2	-
6358660	158700	5/8"	14,2 mm	5/8 UNC	2,0 m	254 µm	2,5 kg	IEC® EN 62561-2	-
635870	155330	5/8"	14,2 mm	5/8 UNC	2,1 m	254 µm	2,9 kg	IEC® EN 62561-2	-
635880	155340	5/8"	14,2 mm	5/8 UNC	2,4 m	254 µm	3,0 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	UL
635883	-	5/8"	14,2 mm	5/8 UNC	2,4 m	330 µm	3,0 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	UL
635800	155350	5/8"	14,2 mm	5/8 UNC	3,0 m	254 µm	3,8 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	CSA, cULus
635803	-	5/8"	14,2 mm	5/8 UNC	3,0 m	330 µm	3,9 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	cULus
633430		3/4"	17,3 mm	3/4 UNC	0,9 m	254 µm	1,7 kg	IEC® EN 62561-2	-
6334330	155725	3/4"	17,3 mm	3/4 UNC	1,00 m	254 µm	1,8 kg	IEC® EN 62561-2	-
633440	155480	3/4"	17,3 mm	3/4 UNC	1,2 m	254 µm	2,2 kg	IEC® EN 62561-2	-
633450	155490	3/4"	17,3 mm	3/4 UNC	1,5 m	254 µm	2,8 kg	IEC® EN 62561-2	-
633460	155500	3/4"	17,3 mm	3/4 UNC	1,8 m	254 µm	3,2 kg	IEC® EN 62561-2	-
633463		3/4"	17,3 mm	3/4 UNC	1,8 m	330 µm	3,2 kg	IEC® EN 62561-2	-
633470	155510	3/4"	17,3 mm	3/4 UNC	2,1 m	254 µm	3,9 kg	IEC® EN 62561-2	-
633480	155520	3/4"	17,3 mm	3/4 UNC	2,4 m	254 µm	4,4 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	UL
633400	155530	3/4"	17,3 mm	3/4 UNC	3,0 m	254 µm	5,7 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	CSA, cULus

Part Number	Superseded Part Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Thread Size	Length	Plating Thickness	Unit Weight	Complies With	Certifications
633403	-	3/4"	17,3 mm	3/4 UNC	3,0 m	330 µm	5,7 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	cULus
633415	-	3/4"	17,3 mm	3/4 UNC	4,6 m	254 µm	8,5 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	cULus
634400	-	1"	23,2 mm	1 UNC	3,0 m	254 µm	10,0 kg	ANSI®/NEMA® GR1	CSA, cULus

For rods to be listed to UL® 467, they must be at least 8' (2.43 m) in length. IEC® EN 62561-2 supercedes EN 50164-2.

## THREADED COUPLER FOR COPPER-BONDED GROUND ROD, SECTIONAL



### FEATURES

- High-strength couplings are threaded and chamfered at both ends for easy driving
- Corrosion-resistant couplings ensure permanent, low resistance copper-to-copper connections



Part Number	Article Number	Ground Rod Diameter, Nominal	Length	Thread Size	Unit Weight	Certifications
<b>Material: Bronze</b>						
CR12S		9/16"	63.5 mm	9/16 UNC	0.07 kg	CSA, cULus
CR58	158040	5/8"	61.0 mm	5/8 UNC	0.10 kg	CSA, cULus
SC34	158050	3/4"	71.0 mm	3/4 UNC	0.17 kg	
CR34		3/4"	76.2 mm	3/4 UNC	0.15 kg	CSA, cULus
<b>Material: Silicon Bronze</b>						
CR100		1"	99.1 mm	1 UNC	0.35 kg	cULus

## CONVENIENT GROUND ELECTRODE KIT



### FEATURES

- Kit includes two ground rods, ground clamp, compression coupler and drive sleeve
- UL®-Listed and NEC®-Compliant
- Allows for installation from ground level
- Two 4' (1.2 m) ground rods with coupler provide more convenient storage and transportation than one 8' (2.4 m) ground rod



Part Number	ERICO Ground Rods	Clamp	ERICO HAMMERLOCK	ERICO Drive Sleeve	Conductor Size
<b>Material: Copper-Bonded Steel, Bronze</b>					
CGE5CP	615840	CP58		EDS58	#8 Solid - #2 Stranded, 10 mm <sup>2</sup> Solid - 35 mm <sup>2</sup> Stranded
<b>Material: Copper-Bonded Steel, Copper</b>					
CGE51K	615840		EHL58C1K	EDS58	#4 Solid - #6 Solid, 10 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded

## PORTABLE GROUND ROD KIT



### FEATURES

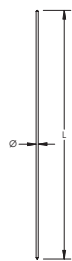
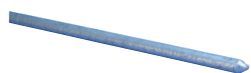
- Segmented portable ground rod kit specified by the United States military
- Each of the three ground rod sections is 3' (0.91 m) long, thus creating a total depth of 9' (2.74 m) of earth grounding
- All accessories are provided in the kit to assemble the portable ground
- 6' (1.83 m) of copper grounding cable connected to the rod, makes for an easy connection to a vehicle or other item requiring a ground

### Part Number

635837

Kit Includes: 3 threaded copper-bonded ground rods - 5/8" x 3' (190.5 mm x 0.91 m), 3 threaded couplers, 1 drive stud, 1 heavy duty ground rod clamp, Tang and collar lugs, and 6' (1.83 m) of #6 copper wire.

## GALVANIZED GROUND ROD, POINTED



### FEATURES

- Meets ANSI®/NEMA® GR1
- Zinc-coated exteriors are hot-dip galvanized for solid protection against corrosion, in accordance with ASTM® specification A153-78
- Surfaces are rigidly inspected to eliminate seams, slivers and other defects

Material: Steel

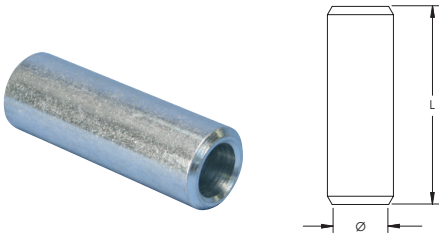
Finish: Hot-Dip Galvanized

Tensile Strength: 552 MPa Min



Part Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Length	Unit Weight	UPC Label	Certifications
811350	1/2"	13.0 mm	1,500 mm	1.5 kg	No	
811360	1/2"	13.0 mm	1,800 mm	1.8 kg	No	
811380	1/2"	13.0 mm	2,400 mm	2.4 kg	No	
815840	5/8"	16.0 mm	1,200 mm	1.9 kg	No	
815850	5/8"	16.0 mm	1,500 mm	2.4 kg	No	
815860	5/8"	16.0 mm	1,800 mm	2.9 kg	No	
815880	5/8"	16.0 mm	2,400 mm	3.8 kg	No	
815800	5/8"	16.0 mm	3,000 mm	4.8 kg	No	CSA
813480	3/4"	18.5 mm	2,400 mm	5.1 kg	No	
813400	3/4"	18.5 mm	3,000 mm	6.3 kg	No	CSA
814400	1"	25.7 mm	3,000 mm	12.3 kg	No	CSA

## COMPRESSION COUPLER FOR GALVANIZED GROUND ROD, POINTED



### FEATURES

- Threadless compression coupler for use with galvanized steel ground rods
- Inside of coupler is tapered so ground rod compresses during installation to form an irreversible conductive connection

Material: Steel  
Finish: Electrogalvanized

Part Number	Ground Rod Diameter, Nominal	Length	Unit Weight
GCC58F	5/8"	76.2 mm	0.14 kg
GCC34	3/4"	89.9 mm	0.16 kg

## STAINLESS STEEL GROUND ROD, POINTED



### FEATURES

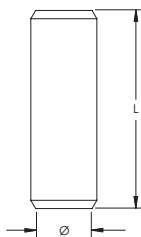
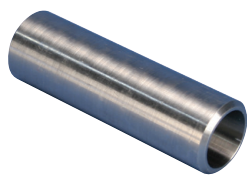
- For use in highly-corrosive soils

Material: Stainless Steel 304 (EN 1.4301)  
Tensile Strength: 586 MPa Min



Part Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Length	Unit Weight	UPC Label	Certifications
681300	1/2"	12.7 mm	3,000 mm	3.0 kg	No	
685880	5/8"	15.9 mm	2,400 mm	3.8 kg	No	UL
685800	5/8"	15.9 mm	3,000 mm	4.7 kg	No	cULus
683450	3/4"	19.1 mm	1,500 mm	3.1 kg	No	
683480	3/4"	19.1 mm	2,400 mm	4.6 kg	No	UL
683400	3/4"	19.1 mm	3,000 mm	6.8 kg	No	cULus
683412	3/4"	19.1 mm	3,700 mm	8.6 kg	No	
684400	1"	25.4 mm	3,000 mm	12.1 kg	No	
684415	1"	25.4 mm	4,600 mm	13.6 kg	No	

## COMPRESSION COUPLER FOR STAINLESS STEEL GROUND ROD, POINTED



### FEATURES

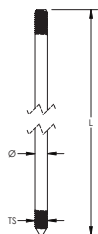
- Threadless compression coupler for use with pointed stainless steel ground rods in corrosive soils
- Inside of coupler is tapered so ground rod compresses during installation to form an irreversible conductive connection

Material: Stainless Steel 304 (EN 1.4301)



Part Number	Ground Rod Diameter, Nominal	Length	Unit Weight	Certifications
CC58SS	5/8"	76.2 mm	0.11 kg	cULus
CC34SS	3/4"	82.6 mm	0.15 kg	cULus
CCSS14	14 mm	70.0 mm	0.05 kg	

## STAINLESS STEEL GROUND ROD, THREADED



### FEATURES

- Utilizes a cut thread for highly corrosive soil

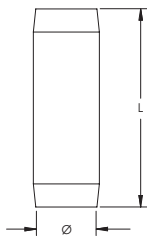
Material: Stainless Steel 302 (EN 1.4324), Stainless Steel 304 (EN 1.4301)

Tensile Strength: 483 MPa Min



Part Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Thread Size	Length	Unit Weight	Certifications
681300S	1/2"	12.7 mm	1/2 UNC	3,000 mm	3.0 kg	
683400S	3/4"	19.1 mm	3/4 UNC	3,000 mm	6.8 kg	cULus
683450S	3/4"	19.1 mm	3/4 UNC	1,500 mm	3.1 kg	
684400S	1"	25.4 mm	1 UNC	3,000 mm	12.1 kg	
685800S	5/8"	16.0 mm	5/8 UNC	3,000 mm	4.7 kg	cULus
685880S	5/8"	16.0 mm	5/8 UNC	2,400 mm	3.5 kg	UL

## THREADED COUPLER FOR STAINLESS STEEL GROUND ROD, THREADED



### FEATURES

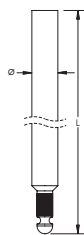
- Corrosion-resistant couplings ensure permanent, low-resistance connections between ground rods

Material: Stainless Steel 304 (EN 1.4301)



Part Number	Ground Rod Diameter, Nominal	Length	Thread Size	Unit Weight	Certifications
CR58CE	5/8"	69.9 mm	5/8 UNC	0.12 kg	
CR58SS	5/8"	77.7 mm	5/8 UNC	0.12 kg	cULus
CR34SS	3/4"	77.8 mm	3/4 UNC	0.18 kg	cULus

## STAINLESS STEEL GROUND ROD, EXTENSIBLE



### FEATURES

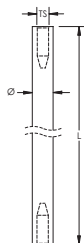
- Extensible rod does not require a coupler in order to extend the length of the ground rod

Material: Stainless Steel 316 (EN 1.4401)

Tensile Strength: 483 MPa Min

Part Number	Ground Rod Diameter, Actual	Length	Unit Weight
15SS20	20 mm	1,500 mm	3.7 kg

## STAINLESS STEEL GROUND ROD, THREADED INTERNAL THREAD



### FEATURES

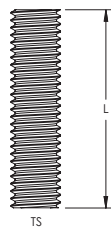
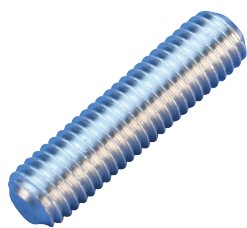
- Stainless steel threaded ground rod with internal threading

Material: Stainless Steel 316 (EN 1.4401)

Tensile Strength: 483 MPa Min

Part Number	Ground Rod Diameter, Actual	Thread Size	Length	Unit Weight
SSR16	16 mm	M10	1,200 mm	1.8 kg

## THREADED COUPLER FOR STAINLESS STEEL GROUND ROD, INTERNAL THREAD



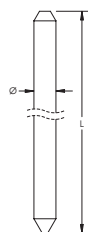
### FEATURES

- For use with SSR16 stainless steel ground rod, internal thread

Material: Stainless Steel 304 (EN 1.4301)

Part Number	Article Number	Length	Thread Size	Unit Weight
SSD10	710115	40 mm	M10	0.02 kg

## SOLID COPPER GROUND ROD, POINTED



### FEATURES

- Solid copper ground rods made of high conductive hard drawn bare copper

Material: Copper

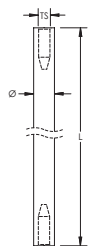
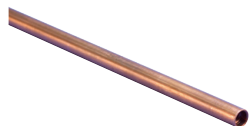
Tensile Strength: 290 MPa Min



Part Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Length	Unit Weight	Certifications
LPC700	1/2"	12.7 mm	2,440 mm	2.76 kg	UL
LPC702	1/2"	12.7 mm	3,050 mm	3.44 kg	cULus
LPC704	5/8"	15.9 mm	2,440 mm	4.29 kg	UL
LPC706	5/8"	15.9 mm	3,050 mm	5.35 kg	cULus
LPC711	3/4"	19.1 mm	3,050 mm	7.70 kg	cULus

Due to the inherent softness of the copper material, special consideration should be given when driving this product into the soil.

## SOLID COPPER GROUND ROD, INTERNAL THREAD



### FEATURES

- Solid copper sectional ground rod with internal threading

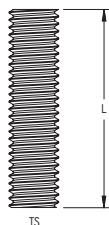
Material: Copper

Tensile Strength: 50 MPa

Part Number	Ground Rod Diameter, Actual	Thread Size	Length	Unit Weight
SCR15	15 mm	M10	1,200 mm	1.64 kg
SCR20	20 mm	M10	1,200 mm	3.34 kg

Due to the inherent softness of the copper material, special consideration should be given when driving this product into the soil.

## THREADED COUPLER FOR SOLID COPPER GROUND ROD, INTERNAL THREAD



### FEATURES

- Internal coupling for SCR15 and SCR20 copper ground rods

Material: Phosphor Bronze

Part Number	Article Number	Length	Thread Size	Unit Weight
PBD10	710110	32 mm	M10	0.02 kg

## CHEMICAL GROUND ELECTRODE



Chemical ground electrodes provide a low impedance ground in locations of high soil resistivity and dry soil conditions. Used in conjunction with a bentonite backfill and nVent ERICO's unique GEM material, the nVent ERICO chemical ground rod electrode systems provide a method to improve soil resistivity directly surrounding the electrode, and can replace multiple conventional ground rods. It maintains a low ground resistance, maintenance-free installation that dissipates lightning energy and other dangerous electrical fault currents, even in sandy or rocky soil conditions.

### FEATURES

- Contains natural electrolytic salts, which permeate into the surrounding soil to condition the soil and increase its conductivity
- Easy connection to ground electrode conductor using the factory provided pigtail (up or down orientation)
- Provides decades of reliable services due to rugged construction and high-quality metals with a 30-year minimum service life
- 2-1/8" (54 mm) outside diameter copper pipe with 0.083" (2.1 mm) wall
- Available in continuous sections up to 10' (3.05 m) in length; longer rods can be field assembled using 5' (1.52 m) or 10' (3.05 m) extensions
- Optional factory-attached radial strips are available to reduce impedance to high-frequency lightning energy and to control the direction of the dissipation
- L-shaped rods are available for horizontal installation applications where it is impractical to auger deep vertical holes
- Access segment on horizontal (L-shaped) chemical ground electrodes is 32" (813 mm) deep

Material: Copper



Part Number	Electrode Length	Pigtail Length	Depth	Conductor Size	Kit
<b>Installation: Horizontal with Pigtail Down</b>					
ECRH081T4D	2.4 m	1.2 m	813 mm	#2 Solid	Yes
ECRH101T3D	3.1 m	0.9 m	813 mm	#2 Solid	Yes
ECRH101T4DB	3.1 m	1.2 m	813 mm	#2 Solid	No
ECRH101T4D	3.1 m	1.2 m	813 mm	#2 Solid	Yes
ECRH101V4D	3.1 m	1.2 m	813 mm	#2 Stranded	Yes
ECRH102C4D	3.1 m	1.2 m	813 mm	1/0 Stranded	Yes
ECRH102G4DB	3.1 m	1.2 m	813 mm	2/0 Stranded	No
ECRH102G4D	3.1 m	1.2 m	813 mm	2/0 Stranded	Yes
ECRH102Q4DB	3.1 m	1.2 m	813 mm	4/0 Stranded	No
ECRH102Q4D	3.1 m	1.2 m	813 mm	4/0 Stranded	Yes
ECRH102V4D	3.1 m	1.2 m	813 mm	250 kcmil Stranded	Yes
ECRH103Q4D	3.1 m	1.2 m	813 mm	500 kcmil Stranded	Yes
ECRH102G5D	3.1 m	1.5 m	813 mm	2/0 Stranded	Yes
ECRH102Q6DB	3.1 m	1.8 m	813 mm	4/0 Stranded	No
ECRH102G10D	3.1 m	3.1 m	813 mm	2/0 Stranded	Yes
ECRH102Q10D	3.1 m	3.1 m	813 mm	4/0 Stranded	Yes
ECRH122C4D	3.7 m	1.2 m	813 mm	1/0 Stranded	Yes
ECRH122G4D	3.7 m	1.2 m	813 mm	2/0 Stranded	Yes
ECRH122Q4DB	3.7 m	1.2 m	813 mm	4/0 Stranded	No
ECRH122Q4D	3.7 m	1.2 m	813 mm	4/0 Stranded	Yes
ECRHE152Q4D	4.6 m	1.2 m	813 mm	4/0 Stranded	Yes
ECRHE201T4D	6.1 m	1.2 m	813 mm	#2 Solid	Yes
ECRHE202G4D	6.1 m	1.2 m	813 mm	2/0 Stranded	Yes
ECRHE202Q4D	6.1 m	1.2 m	813 mm	4/0 Stranded	Yes
ECRHE203D4D	6.1 m	1.2 m	813 mm	350 kcmil Stranded	Yes
<b>Installation: Horizontal with Pigtail Up</b>					
ECRH081T4UB	2.4 m	1.2 m	813 mm	#2 Solid	No
ECRH081T4U	2.4 m	1.2 m	813 mm	#2 Solid	Yes
ECRH082C4U	2.4 m	1.2 m	813 mm	1/0 Stranded	Yes
ECRH081T5U	2.4 m	1.5 m	813 mm	#2 Solid	Yes
ECRH102Q2U	3.1 m	0.6 m	813 mm	4/0 Stranded	Yes
ECRH101T4UB	3.1 m	1.2 m	813 mm	#2 Solid	No
ECRH101T4U	3.1 m	1.2 m	813 mm	#2 Solid	Yes
ECRH101V4U	3.1 m	1.2 m	813 mm	#2 Stranded	Yes
ECRH102C4U	3.1 m	1.2 m	813 mm	1/0 Stranded	Yes
ECRH102G4U	3.1 m	1.2 m	813 mm	2/0 Stranded	Yes

Part Number	Electrode Length	Pigtail Length	Depth	Conductor Size	Kit
ECRH102Q4UB	3.1 m	1.2 m	813 mm	4/0 Stranded	No
ECRH102Q4U	3.1 m	1.2 m	813 mm	4/0 Stranded	Yes
ECRH102V4UB	3.1 m	1.2 m	813 mm	250 kcmil Stranded	No
ECRH102V4U	3.1 m	1.2 m	813 mm	250 kcmil Stranded	Yes
ECRH103Q4U	3.1 m	1.2 m	813 mm	500 kcmil Stranded	Yes
ECRH104L4U	3.1 m	1.2 m	813 mm	750 kcmil Stranded	Yes
ECRH101T5U	3.1 m	1.5 m	813 mm	#2 Solid	Yes
ECRH102Q6U	3.1 m	1.8 m	813 mm	4/0 Stranded	Yes
ECRH101T10U	3.1 m	3.1 m	813 mm	#2 Solid	Yes
ECRH101T15U	3.1 m	4.6 m	813 mm	#2 Solid	Yes
ECRH101T20U	3.1 m	6.1 m	813 mm	#2 Solid	Yes
ECRH121T4U	3.7 m	1.2 m	813 mm	#2 Solid	Yes
ECRH122Q4U	3.7 m	1.2 m	813 mm	4/0 Stranded	Yes
ECRH122V4U	3.7 m	1.2 m	813 mm	250 kcmil Stranded	Yes
ECRH122Q5U	3.7 m	1.5 m	813 mm	4/0 Stranded	Yes
ECRH121T6U	3.7 m	1.8 m	813 mm	#2 Solid	Yes
ECRHE151G4U	4.6 m	1.2 m	813 mm	#6 Solid	Yes
ECRHE152Q4U	4.6 m	1.2 m	813 mm	4/0 Stranded	Yes
ECRHE201T4U	6.1 m	1.2 m	813 mm	#2 Solid	Yes
ECRHE202G4U	6.1 m	1.2 m	813 mm	2/0 Stranded	Yes
ECRHE202Q4U	6.1 m	1.2 m	813 mm	4/0 Stranded	Yes
ECRHE201L5U	6.1 m	1.5 m	813 mm	#4 Stranded	Yes
ECRHE202C20U	6.1 m	6.1 m	813 mm	1/0 Stranded	Yes
<b>Installation: Vertical with Pigtail Down</b>					
ECRV082Q4DB	2.4 m	1.2 m		4/0 Stranded	No
ECRV082Q4D	2.4 m	1.2 m		4/0 Stranded	Yes
ECRV102Q2D	3.1 m	0.6 m		4/0 Stranded	Yes
ECRV101L4D	3.1 m	1.2 m		#4 Stranded	Yes
ECRV101T4DB	3.1 m	1.2 m		#2 Solid	No
ECRV101T4D	3.1 m	1.2 m		#2 Solid	Yes
ECRV101V4D	3.1 m	1.2 m		#2 Stranded	Yes
ECRV102C4DB	3.1 m	1.2 m		1/0 Stranded	No
ECRV102C4D	3.1 m	1.2 m		1/0 Stranded	Yes
ECRV102G4D	3.1 m	1.2 m		2/0 Stranded	Yes
ECRV102K4D	3.1 m	1.2 m		3/0 Solid	Yes
ECRV102L4D	3.1 m	1.2 m		3/0 Stranded	Yes
ECRE102Q4DB	3.1 m	1.2 m		4/0 Stranded	No
ECRV102Q4DB	3.1 m	1.2 m		4/0 Stranded	No
ECRE102Q4D	3.1 m	1.2 m		4/0 Stranded	Yes
ECRV102Q4D	3.1 m	1.2 m		4/0 Stranded	Yes
ECRV102V4D	3.1 m	1.2 m		250 kcmil Stranded	Yes
ECRV103Q4D	3.1 m	1.2 m		500 kcmil Stranded	Yes
ECRV101T6D	3.1 m	1.8 m		#2 Solid	Yes
ECRV102C6D	3.1 m	1.8 m		1/0 Stranded	Yes
ECRV101V10D	3.1 m	3.1 m		#2 Stranded	Yes
ECRV103Q65D	3.1 m	19.8 m		500 kcmil Stranded	Yes
ECRV122G4D	3.7 m	1.2 m		2/0 Stranded	Yes
ECRV122L4D	3.7 m	1.2 m		3/0 Stranded	Yes
ECRV122Q4D	3.7 m	1.2 m		4/0 Stranded	Yes
ECRV122V4D	3.7 m	1.2 m		250 kcmil Stranded	Yes
ECRV123Q4D	3.7 m	1.2 m		500 kcmil Stranded	Yes
ECRE152Q4DB	4.6 m	1.2 m		4/0 Stranded	No
ECRE202C4DB	6.1 m	1.2 m		1/0 Stranded	No
ECRE202C4D	6.1 m	1.2 m		1/0 Stranded	Yes
ECRE202G4D	6.1 m	1.2 m		2/0 Stranded	Yes
ECRE202Q4DB	6.1 m	1.2 m		4/0 Stranded	No
ECRE202Q4D	6.1 m	1.2 m		4/0 Stranded	Yes
ECRE203Q4DB	6.1 m	1.2 m		500 kcmil Stranded	No
ECRE201T6DB	6.1 m	1.8 m		#2 Solid	No
ECRE202Q10D	6.1 m	3.1 m		4/0 Stranded	Yes
ECRE203Q10D	6.1 m	3.1 m		500 kcmil Stranded	Yes
ECRE202Q15D	6.1 m	4.6 m		4/0 Stranded	Yes
ECRE302Q4DB	9.1 m	1.2 m		4/0 Stranded	No
ECRE401T4D	12.2 m	1.2 m		#2 Solid	Yes

Part Number	Electrode Length	Pigtail Length	Depth	Conductor Size	Kit
ECRE402G4D	12.2 m	1.2 m		2/0 Stranded	Yes
ECRE402Q4DB	12.2 m	1.2 m		4/0 Stranded	No
ECRE402Q4D	12.2 m	1.2 m		4/0 Stranded	Yes
<b>Installation: Vertical with Pigtail Up</b>					
ECRV081T4U	2.4 m	1.2 m		#2 Solid	Yes
ECRV081V4U	2.4 m	1.2 m		#2 Stranded	Yes
ECRV082Q4UB	2.4 m	1.2 m		4/0 Stranded	No
ECRV082Q4U	2.4 m	1.2 m		4/0 Stranded	Yes
ECRV081T5U	2.4 m	1.5 m		#2 Solid	Yes
ECRV081T6U	2.4 m	1.8 m		#2 Solid	Yes
ECRV081T20U	2.4 m	6.1 m		#2 Solid	Yes
ECRV101T2U	3.1 m	0.6 m		#2 Solid	Yes
ECRV102Q3U	3.1 m	0.9 m		4/0 Stranded	Yes
ECRV101T4U	3.1 m	1.2 m		#2 Solid	Yes
ECRV101V4U	3.1 m	1.2 m		#2 Stranded	Yes
ECRV102C4UB	3.1 m	1.2 m		1/0 Stranded	No
ECRV102C4U	3.1 m	1.2 m		1/0 Stranded	Yes
ECRV102G4UB	3.1 m	1.2 m		2/0 Stranded	No
ECRV102G4U	3.1 m	1.2 m		2/0 Stranded	Yes
ECRV102L4U	3.1 m	1.2 m		3/0 Stranded	Yes
ECRV102Q4UB	3.1 m	1.2 m		4/0 Stranded	No
ECRV102Q4U	3.1 m	1.2 m		4/0 Stranded	Yes
ECRV102V4U	3.1 m	1.2 m		250 kcmil Stranded	Yes
ECRV103Q4U	3.1 m	1.2 m		500 kcmil Stranded	Yes
ECRV104L4U	3.1 m	1.2 m		750 kcmil Stranded	Yes
ECRV101T5U	3.1 m	1.5 m		#2 Solid	Yes
ECRV102Q5UB	3.1 m	1.5 m		4/0 Stranded	No
ECRV102Q5U	3.1 m	1.5 m		4/0 Stranded	Yes
ECRV101T6U	3.1 m	1.8 m		#2 Solid	Yes
ECRV102G6U	3.1 m	1.8 m		2/0 Stranded	Yes
ECRV102Q6U	3.1 m	1.8 m		4/0 Stranded	Yes
ECRV102C8U	3.1 m	2.4 m		1/0 Stranded	Yes
ECRV102C10U	3.1 m	3.1 m		1/0 Stranded	Yes
ECRV102Q10UB	3.1 m	3.1 m		4/0 Stranded	No
ECRV102Q10U	3.1 m	3.1 m		4/0 Stranded	Yes
ECRV102C15U	3.1 m	4.6 m		1/0 Stranded	Yes
ECRV101T16U	3.1 m	4.9 m		#2 Solid	Yes
ECRV102Q20U	3.1 m	6.1 m		4/0 Stranded	Yes
ECRV121T4UB	3.7 m	1.2 m		#2 Solid	No
ECRV121T4U	3.7 m	1.2 m		#2 Solid	Yes
ECRV122C4U	3.7 m	1.2 m		1/0 Stranded	Yes
ECRV122Q4U	3.7 m	1.2 m		4/0 Stranded	Yes
ECRV122V4U	3.7 m	1.2 m		250 kcmil Stranded	Yes
ECRV123Q4U	3.7 m	1.2 m		500 kcmil Stranded	Yes
ECRV122G6UB	3.7 m	1.8 m		2/0 Stranded	No
ECRV122G10U	3.7 m	3.1 m		2/0 Stranded	Yes
ECRV122Q10U	3.7 m	3.1 m		4/0 Stranded	Yes
ECRE152Q4UB	4.6 m	1.2 m		4/0 Stranded	No
ECRE152Q4U	4.6 m	1.2 m		4/0 Stranded	Yes
ECRE153Q4U	4.6 m	1.2 m		500 kcmil Stranded	Yes
ECRE152Q6U	4.6 m	1.8 m		4/0 Stranded	Yes
ECRE152Q10UB	4.6 m	3.1 m		4/0 Stranded	No
ECRE152Q10U	4.6 m	3.1 m		4/0 Stranded	Yes
ECRE201T4UB	6.1 m	1.2 m		#2 Solid	No
ECRE201T4U	6.1 m	1.2 m		#2 Solid	Yes
ECRE201V4U	6.1 m	1.2 m		#2 Stranded	Yes
ECRE202G4U	6.1 m	1.2 m		2/0 Stranded	Yes
ECRE202Q4UB	6.1 m	1.2 m		4/0 Stranded	No
ECRE202Q4U	6.1 m	1.2 m		4/0 Stranded	Yes
ECRE203Q4U	6.1 m	1.2 m		500 kcmil Stranded	Yes
ECRE202V5U	6.1 m	1.5 m		250 kcmil Stranded	Yes
ECRE352L1UB	10.7 m	0.3 m		3/0 Stranded	No
ECRE402Q4UB	12.2 m	1.2 m		4/0 Stranded	No
ECRE402Q4U	12.2 m	1.2 m		4/0 Stranded	Yes

Chemical ground rods can be ordered as individual components or as a complete kit. Kits include the chemical electrode (pre-filled with electrolytic salts), GEM, Bentonite, and a high-density polyethylene inspection well.

## CHEMICAL GROUND ELECTRODE SALT MIX

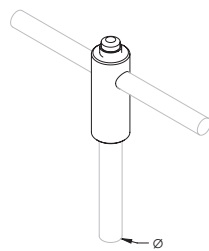


### FEATURES

- Individual packages of salt mix are available for sale separately from the chemical ground rod assembly

Part Number	Unit Weight
ECRCHM15LB	6.8 kg

## nVENT ERICO HAMMERLOCK GROUND CLAMP



### FEATURES

- Irreversible connection with excellent mechanical strength
- Fast and simple installation requires only a hammer
- No special training required
- Low resistance connection
- Provides a visual indication of completed connection
- Allows for "T" or pass-through connections

The nVent ERICO Hammerlock irreversible mechanical connection connects the grounding conductor to the ground rod. Machined from highly conductive copper, the state-of-the-art Hammerlock provides a low resistance connection designed to withstand ground fault currents and lightning transients. The connector's mechanically rugged design will help ensure that the highest level of performance is maintained for many years after the connection has been buried in the harsh underground environment.

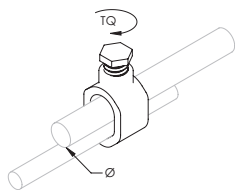
Material: Copper



Part Number	Article Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Number of Conductors	Certifications
<b>Ground Rod Type: Copper-bonded</b>						
EHL12FC1K	166958	1/2"	12.7 mm	#6 Solid - #4 Solid, 16 mm <sup>2</sup> Stranded	1	cULus
EHL12FC1K1K	166959	1/2"	12.7 mm	#6 Solid - #4 Solid, 16 mm <sup>2</sup> Stranded	2	
EHL12FC1V	166962	1/2"	12.7 mm	#4 Stranded - #2 Stranded, 25 mm <sup>2</sup> Stranded	1	cULus
EHL12FC2G	166992	1/2"	12.7 mm	1/0 Stranded - 2/0 Stranded	1	cULus
EHL58C1K	166973	5/8"	14.2 mm	#6 Solid - #4 Solid, 16 mm <sup>2</sup> Stranded	1	cULus
EHL58C1K1K	166974	5/8"	14.2 mm	#6 Solid - #4 Solid, 16 mm <sup>2</sup> Stranded	2	
EHL58C1V	166977	5/8"	14.2 mm	#4 Stranded - #2 Stranded, 25 mm <sup>2</sup> Stranded	1	cULus
EHL58C2G	166978	5/8"	14.2 mm	1/0 Stranded - 2/0 Stranded	1	cULus
EHL34C1K	166988	3/4"	17.3 mm	#6 Solid - #4 Solid, 16 mm <sup>2</sup> Stranded	1	cULus
EHL34C1V	166991	3/4"	17.3 mm	#4 Stranded - #2 Stranded, 25 mm <sup>2</sup> Stranded	1	cULus
EHL34C2G	166992	3/4"	17.3 mm	1/0 Stranded - 2/0 Stranded	1	cULus

Part Number	Article Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Number of Conductors	Certifications
<b>Ground Rod Type: Galvanized</b>						
EHL58G1K		5/8"	16.0 mm	#6 Solid - #4 Solid, 16 mm <sup>2</sup> Stranded	1	cULus
EHL58G1K1K	166974	5/8"	16.0 mm	#6 Solid - #4 Solid, 16 mm <sup>2</sup> Stranded	2	
EHL58G1V	166977	5/8"	16.0 mm	#4 Stranded - #2 Stranded, 25 mm <sup>2</sup> Stranded	1	cULus
EHL58G2G	166978	5/8"	16.0 mm	1/0 Stranded - 2/0 Stranded	1	cULus
EHL34G1K		3/4"	18.5 mm	#6 Solid - #4 Solid, 16 mm <sup>2</sup> Stranded	1	cULus
EHL34G1V		3/4"	18.5 mm	#4 Stranded - #2 Stranded, 25 mm <sup>2</sup> Stranded	1	cULus

### GROUND ROD CLAMP, ROD TO CONDUCTOR, BRONZE



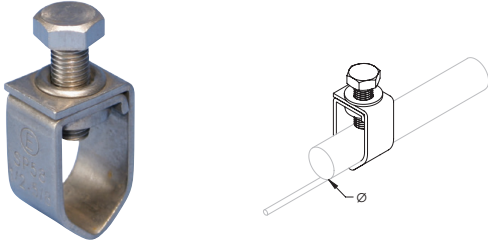
#### FEATURES

- For use with copper-bonded ground rods
- Parts that are UL Listed are suitable for direct burial in earth or concrete



Part Number	Article Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Wrench Size	Certifications
<b>Torque: 16.9 to 33.9 N-m – Material: Silicon Bronze</b>						
CP38	158155	3/8"	9.7 mm	#10 Solid - #2 Stranded, 6 mm <sup>2</sup> Solid - 25 mm <sup>2</sup> Stranded	3/8"	cULus
CP58	158165	1/2" – 5/8"	12.5 – 14.2 mm	#10 Solid - #2 Stranded, 6 mm <sup>2</sup> Solid - 25 mm <sup>2</sup> Stranded	1/2"	CSA, cULus
CP34	158175	1/2" – 3/4"	12.5 – 17.3 mm	#10 Solid - 1/0 Stranded, 6 mm <sup>2</sup> Solid - 50 mm <sup>2</sup> Stranded	1/2"	CSA, cULus
<b>Torque: 16.9 to 50.8 N-m – Material: Silicon Bronze</b>						
HDC12		1/2"	12.5 mm	#10 Solid - #2 Stranded, 6 mm <sup>2</sup> Solid - 25 mm <sup>2</sup> Stranded	1/2"	CSA, cULus
HDC58R		5/8"	14.2 mm	#8 Solid - 1/0 Stranded, 10 mm <sup>2</sup> Solid - 50 mm <sup>2</sup> Stranded	1/2"	CSA, cULus
HDC58		5/8"	14.2 mm	#8 Solid - 1/0 Stranded, 10 mm <sup>2</sup> Solid - 50 mm <sup>2</sup> Stranded	9/16"	CSA, cULus
HDC34		3/4"	17.3 mm	#8 Solid - 1/0 Stranded, 10 mm <sup>2</sup> Solid - 50 mm <sup>2</sup> Stranded	9/16"	CSA, cULus
HDC34SP		3/4"	17.3 mm	#8 Solid - 3/0 Stranded, 10 mm <sup>2</sup> Solid - 70 mm <sup>2</sup> Stranded	9/16"	CSA
HDC1	158250	1"	25.4 mm	#8 Solid - 4/0 Stranded, 10 mm <sup>2</sup> Solid - 95 mm <sup>2</sup> Stranded	9/16"	cULus
<b>Torque: 25.0 N-m Max – Material: Gunmetal</b>						
C12	158260	1/2" – 1/2"	12.5 – 12.7 mm	50 mm <sup>2</sup> Stranded Max	14 mm	
C58	158160	1/2" – 5/8"	12.5 – 15.0 mm	70 mm <sup>2</sup> Stranded Max	14 mm	
<b>Torque: 33.9 N-m Max – Material: Gunmetal</b>						
C34	158170	5/8" – 3/4"	14.2 – 17.2 mm	70 mm <sup>2</sup> Stranded Max	14 mm	
C19	156900	5/8" – 3/4"	14.2 – 19.0 mm	70 mm <sup>2</sup> Stranded Max	14 mm	
C200	156910	5/8" – 3/4"	14.2 – 20.0 mm	70 mm <sup>2</sup> Stranded Max	24 mm	

## GROUND ROD CLAMP, ROD TO CONDUCTOR, STAINLESS STEEL



### FEATURES

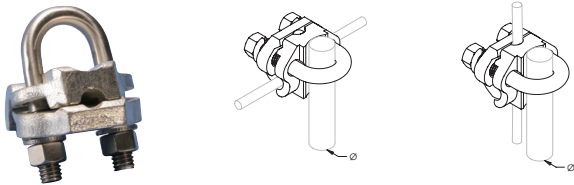
- Unique stamped body design will not crack from excessive torque
- Provides a greater surface area contact to allow improved performance of the connector
- Compatible with copper, copper bonded, galvanized, stainless steel, rebar and plain steel ground rods and electrodes

Material: Bronze, Stainless Steel 304 (EN 1.4301)  
Finish: Tinned



Part Number	Article Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Wrench Size
SP58	158185	1/2" - 5/8"	12.7 - 15.9 mm	#12 Stranded - #2 Stranded, 4 mm <sup>2</sup> Stranded - 25 mm <sup>2</sup> Stranded	1/2"
SP58B916		1/2" - 5/8"	12.7 - 15.9 mm	#12 Stranded - #2 Stranded, 4 mm <sup>2</sup> Stranded - 25 mm <sup>2</sup> Stranded	9/16"

## GROUND ROD CLAMP, U-BOLT, TINNED, ONE CONDUCTOR



### FEATURES

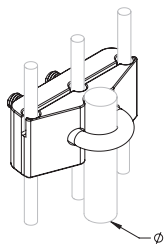
- Tinned finish to reduce galvanic corrosion
- Tinned finish provides a theft-deterrent appearance
- Accepts conductors in both parallel and perpendicular orientations

Material: Bronze, Stainless Steel 304 (EN 1.4301)  
Finish: Tinned



Part Number	Ground Rod Diameter, Nominal	Conductor Size, UL
GC064	5/8" - 3/4"	#4 Sol - 2/0 Str, 16 mm <sup>2</sup> Str - 50 mm <sup>2</sup> Str
GC065	5/8" - 3/4"	2/0 Sol - 250 kcmil Str, 70 mm <sup>2</sup> Str - 120 mm <sup>2</sup> Str

## GROUND ROD CLAMP, U-BOLT, THREE CONDUCTORS



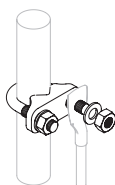
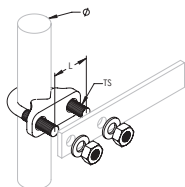
### FEATURES

- Ground rod clamp that allows up to three separate conductors to be connected to a ground rod
- Bronze material is a copper alloy with high copper content
- Tinned bronze has theft-deterrent appearance

Material: Bronze  
Finish: Tinned

Part Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size
GC065TH	5/8" – 3/4"	15.9 – 19.1 mm	2/0 Solid - 250 kcmil Stranded, 70 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded

## GROUND ROD CLAMP, U-BOLT, TYPE E



### FEATURES

- Designed to accommodate tape or bar in either a horizontal or vertical position
- Can also be used with a lug connection from a round conductor
- Can be used to connect to ground rods or rebar

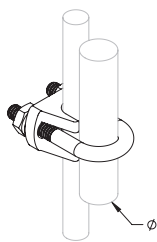
Material: Gunmetal, Brass

Part Number	Article Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada	Length	Thread Size
UB16	710370	5/8"	14.2 mm	12 mm	#4	10M	38 mm	M10
UB20	710380	3/4"	17.3 mm	16 mm	#5	15M	38 mm	M10
UB25	710390	1"	25.0 mm	25 mm	#8	25M	38 mm	M10

### Conductor Orientation (Parallel or Perpendicular)

GC064		Conductor Size (Stranded)				
Nominal Ground Rod Diameter		16mm <sup>2</sup>	25mm <sup>2</sup>	35mm <sup>2</sup>	50mm <sup>2</sup>	70mm <sup>2</sup>
5/8" copperbonded ground rod		Par.	Par.	Par.	Perp.	Perp.
5/8" galvanized/stainless steel ground rod		Par.	Par.	-	Perp.	Perp.
3/4" copperbonded ground rod		Par.	-	-	Perp.	Perp.
3/4" galvanized/stainless steel ground rod		-	-	-	Perp.	-
GC064		Conductor Size (Stranded)				
Nominal Ground Rod Diameter		16mm <sup>2</sup>	25mm <sup>2</sup> -70mm <sup>2</sup>		95mm <sup>2</sup>	120mm <sup>2</sup>
5/8" copperbonded ground rod		Par.	Both		Both	Par.
5/8" galvanized/stainless steel ground rod		Par.	Both		Both	Par.
3/4" copperbonded ground rod		Par.	Both		Both	-
3/4" galvanized/stainless steel ground rod		Par.	Both		-	-

## GROUND ROD CLAMP, U-BOLT SADDLE, ONE CONDUCTOR



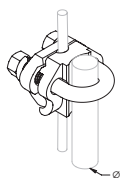
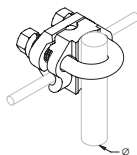
### FEATURES

- Clamp that allows a conductor to be connected to a ground rod

Material: Copper Alloy

Part Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size
REP16120L	3/4"	17.3 mm	#4 Solid - 4/0 Stranded, 16 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded

## GROUND ROD CLAMP, U-BOLT, BARE, ONE CONDUCTOR

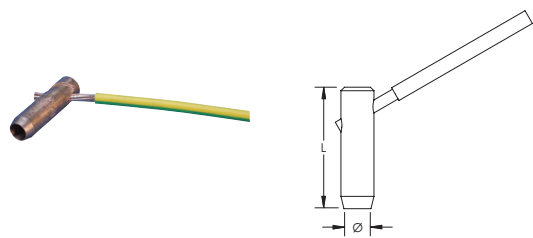


### FEATURES

- Accepts conductors in both parallel and perpendicular orientations
- For use with copper-bonded ground rods

Part Number	Article Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size
<b>Material: Copper, Bronze, Brass</b>				
GUV16070	710400	5/8" - 1"	14.2 - 23.2 mm	#4 Solid - 2/0 Stranded, 16 mm <sup>2</sup> Stranded - 70 mm <sup>2</sup> Stranded
GUV70185	710410	5/8" - 1"	14.2 - 23.2 mm	#4 Solid - 300 kcmil Stranded, 16 mm <sup>2</sup> Stranded - 185 mm <sup>2</sup> Stranded
<b>Material: Steel, Bronze – Finish: Hot-Dip Galvanized</b>				
REC1450	415100	5/8"	14.2 mm	#6 Solid - #2 Stranded, 16 mm <sup>2</sup> Stranded - 50 mm <sup>2</sup> Stranded

## GROUND ROD CLAMP WITH PREFABRICATED PIGTAIL



### FEATURES

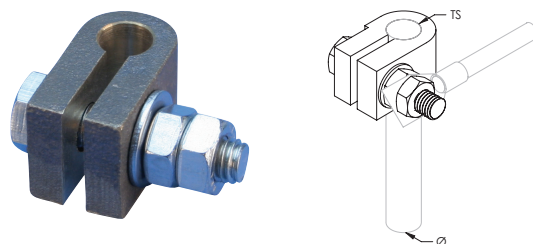
- Prefabricated assembly including grounding clamp with pigtail
- Fast and simple installation requires only a hammer

Material: Copper

Insulation: Green and Yellow Insulated Cable

Part Number	Article Number	Ground Rod Diameter, Nominal	Length	Pigtail Length	Conductor Size	Unit Weight
EPT1225300	158610	1/2"	70 mm	300 mm	25 mm <sup>2</sup> Stranded	0.5 kg
EPT1425350	158675	5/8"	75 mm	350 mm	25 mm <sup>2</sup> Stranded	0.5 kg
EPT1450350	158290	5/8"	75 mm	350 mm	50 mm <sup>2</sup> Stranded	0.5 kg

## GROUND ROD SPLIT CLAMP, ROD TO TAPE



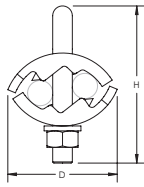
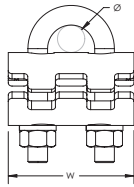
### FEATURES

- Used to connect a ground rod to a lug or to tape with a punched hole

Material: Gunmetal

Part Number	Article Number	Ground Rod Diameter, Actual	Thread Size
RCC10	710420	9.2 mm Max	M8
RCC16	710430	14.2 mm Max	M10
SRC15	710440	14.8 mm Max	M10
SRC20	710450	19.0 mm Max	M12

## U-BOLT GROUND ROD CLAMP



### FEATURES

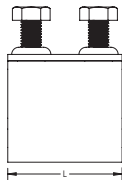
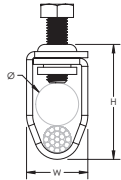
- Connects conductors to ground rods
- Listed to UL® 96

Material: Brass



Part Number	Conductor Size, UL	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Depth	Height	Width	Unit Weight
LPC795	Class 1 - Class 2 (4/0 Max)	1/2" - 3/4"	12.8 - 17.3 mm	42.2 mm	63.5 mm	50.8 mm	0.11 kg

## GROUND ROD CLAMP



### FEATURES

- Unique stamped body design will not crack as mechanical forces are increased
- Stainless steel threads will not strip if over-tightened
- Unique internal profile offers pull-out load in excess of four times the UL® 96 requirement
- Listed to UL® 96

Material: Copper

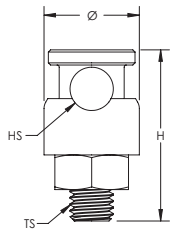


Part Number	Conductor Size, UL	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Height	Length	Width	Unit Weight
LPC790	Class 1 - Class 2 (4/0 Max)	1/2" - 3/4"	12.7 - 17.3 mm	42 mm	44.5 mm	23.8 mm	0.152 kg



# Connectors & Positioners

## GROUNDING BUSBAR CONNECTOR, SOLID ROUND CONDUCTOR



### FEATURES

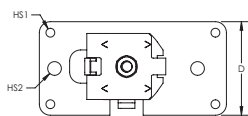
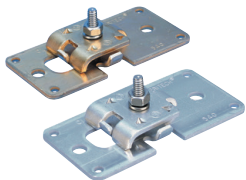
- Used to connect solid round conductors to grounding busbars

Material: Copper Alloy, Stainless Steel 18-8 (EN 1.4305)  
Finish: Tinned

Part Number	Height	Diameter	Hole Size	Thread Size	Cu-Bond Conductor	Complies With
BCR8T	50 mm	20 mm	9.5 mm	M10	CBSC8	IEC® 62561-1

IEC compliance is valid only for nVent ERICO Cu-Bond Conductors listed.

## STAMPED BONDING PLATE



### FEATURES

- Stamped bonding plate suitable for structural steel applications
- Listed to UL® 96

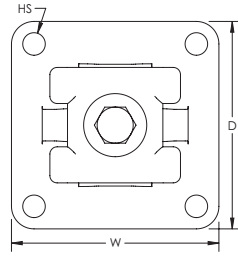
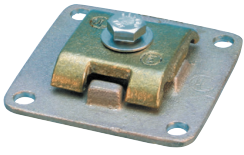
Conductor Size, UL: Class 1 - Class 2 (4/0 Max)



Part Number	Contact Area	Depth	Height	Width	Hole Size 1	Hole Size 2	Unit Weight
<b>Material: Copper – Finish: Bare</b>							
LPC540	51.6 cm <sup>2</sup> Min	53.98 mm	31.75 mm	107.95 mm	5.1 mm	7.9 mm	0.254 kg
<b>Material: Copper – Finish: Tinned</b>							
LPC540L	51.6 cm <sup>2</sup> Min	53.98 mm	31.75 mm	107.95 mm	5.1 mm	7.9 mm	0.254 kg

Stainless steel separator included with LPC540A for bi-metallic applications.

## BONDING PLATE



### FEATURES

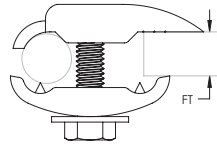
- Cast bonding plate for structural steel applications
- Listed to UL® 96

Conductor Size, UL: Class 1 - Class 2 (4/0 Max)



Part Number	Contact Area	Depth	Height	Width	Hole Size	Unit Weight
<b>Material: Brass</b>						
LPC532	51.6 cm <sup>2</sup> Min	73.03 mm	16.76 mm	73.025 mm	79.38 mm	0.290 kg
<b>Material: Brass – Finish: Tinned</b>						
LPC532L	51.6 cm <sup>2</sup> Min	73.03 mm	16.76 mm	73.025 mm	79.38 mm	0.290 kg

## CAST BEAM BONDING CLAMP



### FEATURES

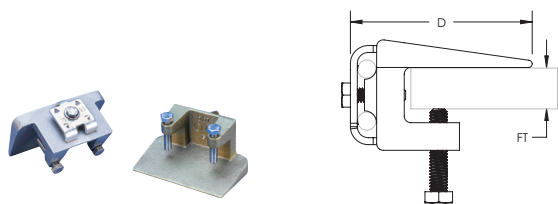
- Clamp for bonding cable to flat metal objects such as I-beams, angle irons and channel irons
- Listed to UL® 96

Conductor Size, UL: Class 1 - Class 2 (4/0 Max)



Part Number	Flange Thickness	Depth	Width	Unit Weight
<b>Material: Copper – Finish: Bare</b>				
LPC559	6.4 mm Max	57.15 mm	40.6 mm	0.175 kg
<b>Material: Copper – Finish: Tinned</b>				
LPC559L	6.4 mm Max	57.15 mm	40.6 mm	0.175 kg

## CAST TWO BOLT BEAM BONDING CLAMP



### FEATURES

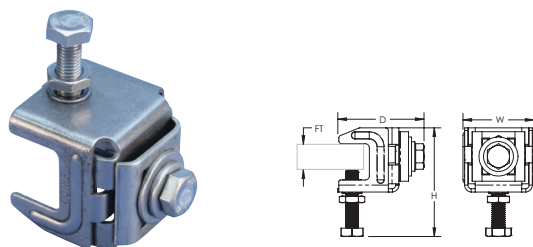
- Clamp for bonding cable to flat metal objects such as I-beams, angle irons and channel irons
- Listed to UL® 96



Conductor Size, UL: Class 1 - Class 2 (4/0 Max)

Part Number	Flange Thickness	Depth	Height	Width	Contact Area	Unit Weight
<b>Material: Copper</b>						
LPC557	25.4 mm Max	69.85 mm	50.8 mm	101.6 mm	51.613 mm <sup>2</sup> Min	0.932 kg
<b>Material: Copper – Finish: Tinned</b>						
LPC557L	25.4 mm Max	69.85 mm	50.8 mm	101.6 mm	51.613 mm <sup>2</sup> Min	0.932 kg

## BEAM CLAMP FOR SOLID ROUND CONDUCTOR



### FEATURES

- Clamp for attaching solid round conductor such as Cu-Bond Round Conductor to flat metal objects such as I-beams, angle irons and channel irons
- For use with copper-bonded, copper, or stainless steel solid conductors

Material: Stainless Steel 316 (EN 1.4401)

Part Number	Width	Height	Depth	Flange Thickness	ERICO Cu-Bond Conductor	Unit Weight	Complies With
SBCS0810	55 mm	85 mm	70 mm	6 – 25 mm	CBSC8, CBSC10	0.277 kg	IEC® 62561-4
SBCS1314	55 mm	90 mm	70 mm	6 – 25 mm	CBSC13, CBSC14	0.277 kg	IEC® 62561-4

IEC compliance is valid only for Cu-Bond Conductors listed.

## PREFABRICATED LUG BOND



### FEATURES

- Made with bare annealed copper cable
- Tinned copper NEMA® lugs welded to the cable with nVent ERICO Cadweld connections

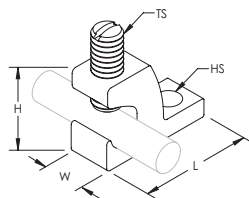
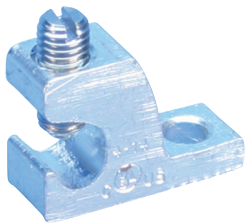
Prefabricated lug bonds are custom made to specifications. Common usage includes cable tray bonding and grounding, structure bonds, surge arrester leads and power jumpers.

Material: Copper  
Finish: Tinned

Part Number	Conductor Size	Number of Wires	Length 1	Length 2	Width	Thickness	Hole Size	Angle
<b>Lug Configuration: B212</b>								
B2121L8	#4 Stranded	7	203 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	
B2121V12	#2 Stranded	7	305 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	
B2122G16	2/0 Stranded	7	406 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	
B2122Q00318	4/0 Stranded	7	8,077 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	
B2122Q20	4/0 Stranded	7	508 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	
B2122Q24	4/0 Stranded	7	610 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	
<b>Lug Configuration: B213</b>								
B2131L15	#4 Stranded	7	381 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131L20	#4 Stranded	7	508 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131L22	#4 Stranded	7	559 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131L24	#4 Stranded	7	610 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131L28	#4 Stranded	7	711 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131L32	#4 Stranded	7	813 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131L35	#4 Stranded	7	889 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131L38	#4 Stranded	7	965 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131L42	#4 Stranded	7	1,067 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131L44	#4 Stranded	7	1,118 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131V18	#2 Stranded	7	457 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2131V36	#2 Stranded	7	914 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2132G11	2/0 Stranded	7	279 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2132G14	2/0 Stranded	7	356 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2132Q18	4/0 Stranded	7	457 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2132Q36	4/0 Stranded	7	914 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2132Q48	4/0 Stranded	7	1,219 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2132Q54	4/0 Stranded	7	1,372 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2132Q60	4/0 Stranded	7	1,524 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2132V18	250 kcmil Stranded	19	457 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
<b>Lug Configuration: B216</b>								
B2162C72	1/0 Stranded	7	1,829 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	
B2162C96	1/0 Stranded	7	2,438 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	
B2162Q24	4/0 Stranded	7	610 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	
B2162Q8	4/0 Stranded	7	203 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	
<b>Lug Configuration: B217</b>								
B2171L24	#4 Stranded	7	610 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2172C12	1/0 Stranded	7	305 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2172G24	2/0 Stranded	7	610 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2172Q00196	4/0 Stranded	7	4,978 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2172Q12	4/0 Stranded	7	305 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	
B2172Q24	4/0 Stranded	7	610 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	

Part Number	Conductor Size	Number of Wires	Length 1	Length 2	Width	Thickness	Hole Size	Angle
<b>Lug Configuration: B218</b>								
B2182Q30	4/0 Stranded	7	762 mm	37.3 mm	25.4 mm	4.8 mm	14.3 mm	45°
<b>Lug Configuration: B219</b>								
B2192C12	1/0 Stranded	7	305 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	45°
B2192Q08	4/0 Stranded	7	203 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	45°
B2192Q12	4/0 Stranded	7	305 mm	82.6 mm	25.4 mm	4.8 mm	14.3 mm	45°

### LAY-IN LUG



#### FEATURES

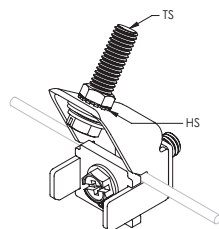
- Often used in solar bonding lug applications
- Lay-in features allows for easy positioning
- Set screw hardware made of 304 stainless steel

Material: Copper, Stainless Steel 304 (EN 1.4301)  
Finish: Tinned



Part Number	Length	Width	Height	Hole Size	Thread Size	Conductor Size
EL6CADB	26.4 mm	9.9 mm	19.3 mm	5.58 mm	1/4 NF	#14 Solid - #4 Stranded, 2.5 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded

### SOLAR BONDING LUG



#### FEATURES

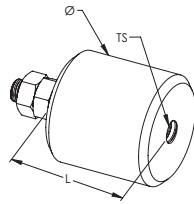
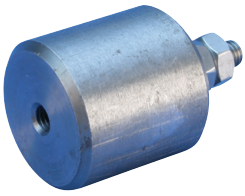
- Bonds the frames and mounting structures of solar photo voltaic systems in accordance with NEC® requirements
- Copper alloy is corrosion resistant and galvanically compatible with copper grounding conductors and aluminum photovoltaic module frames
- Lay-in feature allows for easy positioning along multiple frames

Material: Bronze, Stainless Steel 18-8 (EN 1.4305)  
Finish: Tinned



Part Number	Direct Burial	Conductor Size	Hole Size	Screw Included	Thread Size
EL6CS	No	#14 Solid - #6 Stranded	5.61 mm	Yes	10 UNS
EL6CS8	No	#14 Solid - #6 Stranded	5.61 mm	Yes	8 UNS
EL6CSDB	Yes	#14 Solid - #6 Stranded	5.61 mm	Yes	10 UNS
EL6CSDB8	Yes	#14 Solid - #6 Stranded	5.61 mm	Yes	8 UNS
EL6CSDBNH	Yes	#14 Solid - #6 Stranded	5.61 mm	No	
EL6CSNH	No	#14 Solid - #6 Stranded	5.61 mm	No	

## EARTH BOSS



### FEATURES

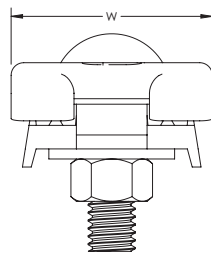
- Provides preferential equipotential bonding connection point

Material: Stainless Steel 316 (EN 1.4401), Steel

Part Number	Article Number	Length	Diameter	Thread Size
50010EBOSS	710160	50 mm	50 mm	M10

The surface of the earth boss needs to be cleaned before welding. Welding procedures vary, depending on the type of steel used.

## 516 PARALLEL CABLE CONNECTOR



### FEATURES

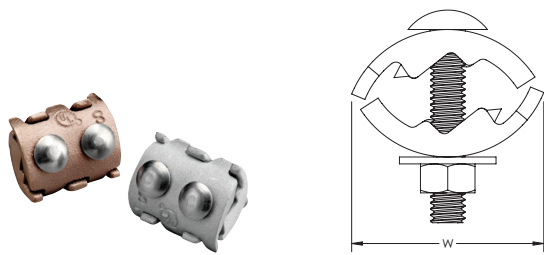
- Cable splice with positive single bolt tension grip on cable or wire
- For use with all full size cables on Class I/II structures
- Listed to UL® 96

Conductor Size, UL: Class 1 - Class 2 (4/0 Max)



Part Number	Depth	Width	Unit Weight
<b>Material: Copper – Finish: Bare</b>			
LPC516	46.74 mm	38.1 mm	0.181 kg
<b>Material: Copper – Finish: Tinned</b>			
LPC516L	46.74 mm	38.1 mm	0.181 kg

## 517 PARALLEL CABLE CONNECTOR



### FEATURES

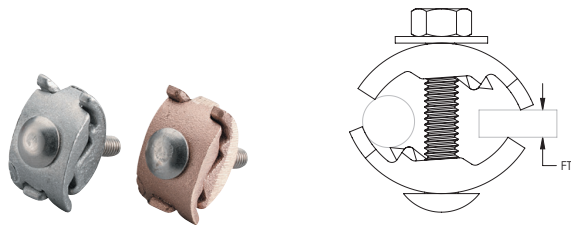
- Cable splice with positive two bolt tension grip on cable or wire
- For use with all full size cables on Class I/II structures
- Listed to UL® 96



Conductor Size, UL: Class 1 - Class 2 (4/0 Max)

Part Number	Depth	Width	Unit Weight
<b>Material: Copper</b>			
LPC517	48.51 mm	42.16 mm	0.233 kg
<b>Material: Copper – Finish: Tinned</b>			
LPC517L	48.51 mm	42.16 mm	0.233 kg

## CABLE CLAMP



### FEATURES

- Clamps to flat metal objects such as I-beams, angle irons and channel irons
- Can be used as a parallel conductor clamp
- Positive bolt tension draws tight on steel member
- Listed to UL® 96

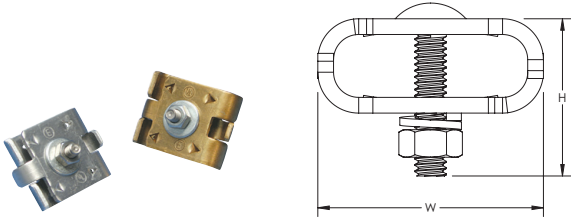


Conductor Size, UL: Class 1 - Class 2 (4/0 Max), Secondary

Part Number	Flange Thickness	Depth	Width	Unit Weight
<b>Material: Brass</b>				
LPC858	12.7 mm Max	42.16 mm	22.6 mm	0.108 kg
<b>Material: Brass – Finish: Tinned</b>				
LPC858L	12.7 mm Max	42.16 mm	22.6 mm	0.108 kg

Flange thickness will impact the maximum cable holding capability.

## STAMPED BOLTED PARALLEL CABLE CONNECTOR



### FEATURES

- For positive bolt tension cable clamping
- Listed to UL® 96

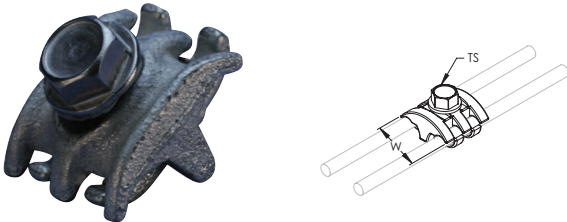
Conductor Size, UL: Class 1 - Class 2 (4/0 Max)



Part Number	Depth	Height	Width	Unit Weight
<b>Material: Copper</b>				
LPC502	38.1 mm	38.1 mm	45.2 mm	0.087 kg
<b>Material: Copper – Finish: Tinned</b>				
LPC502L	38.1 mm	38.1 mm	45.2 mm	0.087 kg

Stainless steel separator included with LPC502A for bi-metallic applications.

## JUMPER CLAMP FOR TELECOM



### FEATURES

- For use in telecom applications

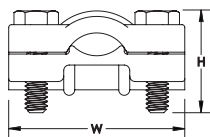
Material: Bronze  
Finish: Tinned



Part Number	Width	Thread Size	Conductor Size
KUL	35.6 mm	5/16 UNC	#6 Solid

Although a #6 Solid conductor is similar in size to a metric 16 mm<sup>2</sup> Solid conductor, the UL listing is currently only for #6 Solid.

## CROSS-RUN CABLE CONNECTORS, SOLID ROUND CONDUCTOR



### FEATURES

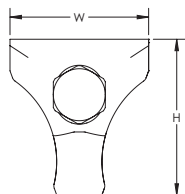
- Can be used as a cross-run cable connector
- Four bolts for positive bolt tension grip on cables
- For use with Cu-Bond Round Conductors

Material: Brass

Part Number	Depth	Height	Width	Cu-Bond Conductor	Unit Weight	Complies With
LPC595NB	50.8 mm	25.40 mm	50.8 mm	CBSC8, CBSC10	0.281 kg	IEC® 62561-1
LPC595NB13	50.8 mm	31.75 mm	50.8 mm	CBSC13	0.281 kg	IEC® 62561-1

IEC compliance is valid only for Cu-Bond Conductors listed.

## T-CONNECTOR



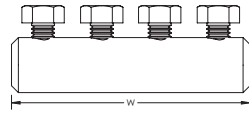
### FEATURES

- For 90° conductor connections

Part Number	Article Number	Conductor Size	Depth	Height	Width	Cu-Bond Conductor	Unit Weight	Complies With
<b>Material: Brass</b>								
CTR8CU	710030	8 mm Solid, 10 mm Solid	21.0 mm	46.0 mm	40.0 mm	CBSC10	0.168 kg	IEC® 62561-1
<b>Material: Zinc Alloy</b>								
CTR10	101230	8 mm Solid, 10 mm Solid	20.4 mm	48.7 mm	26.4 mm		0.120 kg	

IEC compliance is valid only for Cu-Bond Conductors listed.

## IN-LINE CABLE CONNECTOR



### FEATURES

- Cable splicer with four bolts for pressure on each cable
- LPC513 is compatible with Cu-Bond Round Conductors

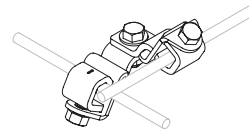
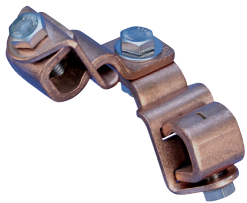
Conductor Size, UL: Class 1 - Class 2 (4/0 Max)



Part Number	Diameter 1	Diameter 2	Width	Cu-Bond Conductor	Unit Weight	Complies With
<b>Material: Copper</b>						
LPC513	19.1 mm	14.3 mm	82.55 mm	CBSC8, CBSC10, CBSC13	0.168 kg	IEC® 62561-1
<b>Material: Copper – Finish: Tinned</b>						
LPC513L	19.1 mm	14.3 mm	82.55 mm		0.168 kg	

IEC compliance is valid only for Cu-Bond Conductors listed.

## MESH BONDING NETWORK CONNECTOR, MBNC240



### FEATURES

- Allows for fast, simple and economical field connection of grounding and bonding wires
- Heavy duty clamps with stainless steel hardware are suitable for direct burial
- Can accommodate additional pigtails that can be used to connect to building steel and equipment
- Can be combined with Universal Pedestal Clamp for bonding to various pedestal sizes for mesh bonding networks

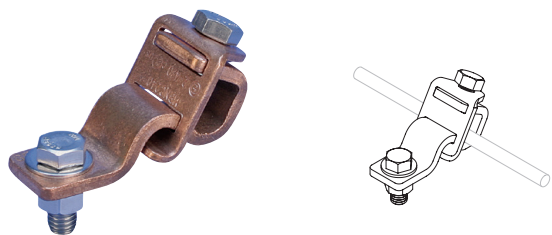
Material: Copper, Stainless Steel 304 (EN 1.4301)



Part Number	Conductor Size	Cu-Bond Conductor	Complies With	Standard Packaging Quantity
MBNC240	#2 Solid - 4/0 Stranded, 35 mm <sup>2</sup> - 100 mm <sup>2</sup>	CBSC8, CBSC10, CBSC13	IEC® 62561-1	25 pc

IEC compliance is valid only for Cu-Bond Conductors listed.

## MESH BONDING NETWORK CONNECTOR, MBNC240A



Material: Copper, Stainless Steel 304 (EN 1.4301)

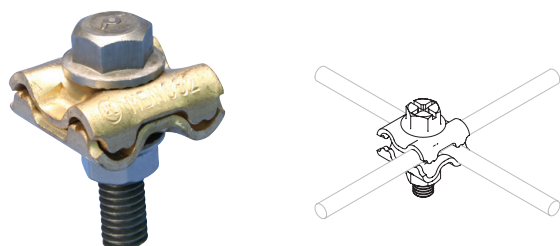
### FEATURES

- Allows for fast, simple and economical field connection of grounding and bonding wires
- Heavy duty clamps with stainless steel hardware are suitable for direct burial
- Can be combined with Universal Pedestal Clamp for bonding to various pedestal sizes for mesh bonding networks



Part Number	Conductor Size	Standard Packaging Quantity
MBNC240A	#2 Solid - 4/0 Stranded, 35 mm <sup>2</sup> - 100 mm <sup>2</sup>	25 pc

## MESH BONDING NETWORK CONNECTOR, MBNC82



Material: Bronze, Stainless Steel 304 (EN 1.4301)

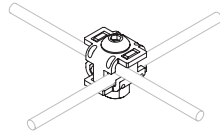
### FEATURES

- Allows for fast, simple and economical field connection of grounding and bonding wires
- Heavy duty clamps with stainless steel hardware are suitable for direct burial
- Can accommodate additional pigtails that can be used to connect to building steel and equipment
- Can be combined with Universal Pedestal Clamp for bonding to various pedestal sizes for mesh bonding networks



Part Number	Conductor Size	Standard Packaging Quantity
MBNC82	#8 Solid - #2 Stranded, 10 mm <sup>2</sup> Solid - 35 mm <sup>2</sup> Stranded	25 pc

## SRG CONNECTOR



### FEATURES

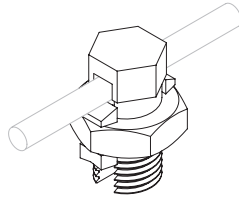
- Allows for fast, simple and economical field connection of grounding and bonding wires
- Heavy duty clamps with stainless steel hardware are suitable for direct burial
- Can accommodate additional pigtails that can be used to connect to building steel and equipment
- Can be combined with Universal Pedestal Clamp for bonding to various pedestal sizes for mesh bonding networks

Material: Bronze, Stainless Steel 304 (EN 1.4301)



Part Number	Article Number	Conductor Size
SRGC46	167905	#6 Solid - #4 Stranded, 16 mm <sup>2</sup> Stranded

## SPLIT BOLT CONNECTOR



### FEATURES

- Unplated high-strength silicon bronze accommodates copper to copper connections
- Tin plated, high-strength copper alloy split bolt with spacer separates dissimilar conductors and accommodates copper-to-copper, copper-to-aluminum and aluminum-to-aluminum connections

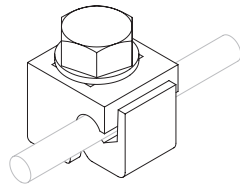
Material: Silicon Bronze



Part Number	Conductor Size	Certifications
<b>Tin Plating: No</b>		
ESB8	#16 Stranded - #8 Stranded, 1.5 mm <sup>2</sup> Stranded - 6 mm <sup>2</sup> Stranded	cULus
ESB6	#10 Solid - #6 Stranded, 6 mm <sup>2</sup> Stranded - 10 mm <sup>2</sup> Stranded	cULus
ESB4	#8 Solid - #4 Solid, 10 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded	cULus
ESB2	#6 Solid - #2 Stranded, 16 mm <sup>2</sup> Stranded - 25 mm <sup>2</sup> Stranded	cULus
ESB2/0	#2 Solid - 2/0 Stranded, 35 mm <sup>2</sup> Stranded - 50 mm <sup>2</sup> Stranded	UL
ESB4/0	1/0 Solid - 250 kcmil Stranded, 70 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded	
<b>Tin Plating: Yes</b>		
ESBP8	#14 Stranded - #8 Stranded, 2.5 mm <sup>2</sup> Stranded - 6 mm <sup>2</sup> Stranded	UL
ESBP6	#10 Stranded - #6 Stranded, 6 mm <sup>2</sup> Stranded - 10 mm <sup>2</sup> Stranded	UL
ESBP4	#8 Solid - #3 Stranded, 10 mm <sup>2</sup> Stranded - 25 mm <sup>2</sup> Stranded	UL
ESBP2	#8 Solid - #2 Stranded, 10 mm <sup>2</sup> Stranded - 25 mm <sup>2</sup> Stranded	UL
ESBP2/0	#8 Solid - 2/0 Stranded, 10 mm <sup>2</sup> Stranded - 50 mm <sup>2</sup> Stranded	UL
ESBP1/0	#6 Solid - 1/0 Stranded, 16 mm <sup>2</sup> Stranded - 50 mm <sup>2</sup> Stranded	UL
ESBP4/0	#4 Stranded - 250 kcmil Stranded, 25 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded	
ESBP350	3/0 Stranded - 350 kcmil Stranded, 95 mm <sup>2</sup> Stranded - 150 mm <sup>2</sup> Stranded	

Oxide inhibitor recommended when used on aluminum conductor.

## WISE CLAMP



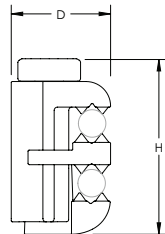
### FEATURES

- Used to splice two conductors together

Material: Bronze

Part Number	Conductor Size
VC62	#6 Solid - #2 Solid, 16 mm <sup>2</sup> Solid - 25 mm <sup>2</sup> Solid

## WISE CLAMP FOR TELECOM



### FEATURES

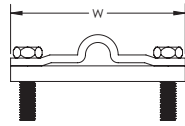
- Used to bond messenger wire to ground tap conductors
- When clamp is tightened, the piercing teeth puncture the insulation on the messenger wire, forming a positive ground connection without stripping the cable

Material: Copper Alloy, Stainless Steel 304 (EN 1.4301)

Finish: Tinned

Part Number	Height	Width	Depth	Diameter	Thread Size	Unit Weight
EVC167P	41.3 mm	31.8 mm	25.4 mm	3.7 – 7.9 mm	5/16 UNC	0.1 kg

## MULTI-PURPOSE GROUNDING CLAMP

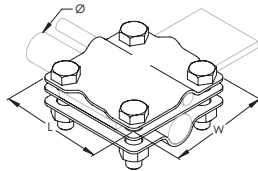
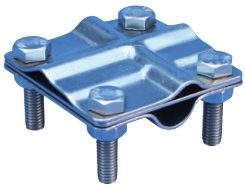


### FEATURES

- Cross connector for round to round, round to tape, and tape to tape connections

Part Number	Article Number	Conductor Size	Tape Size	Depth	Width	Unit Weight
<b>Material: Brass</b>						
CCFR308	545270	8 mm <sup>2</sup> Stranded, 8 mm <sup>2</sup> Solid	25 x 3 mm, 26 x 2 mm	56 mm	56 mm	0.15 kg
<b>Material: Stainless Steel 304 (EN 1.4301)</b>						
CCS-308	545170	8 mm <sup>2</sup> Stranded, 8 mm <sup>2</sup> Solid	25 x 3 mm, 26 x 2 mm	56 mm	56 mm	0.15 kg
<b>Material: Steel – Finish: Hot-Dip Galvanized</b>						
CCG308	545180	8 mm <sup>2</sup> Stranded, 8 mm <sup>2</sup> Solid	25 x 3 mm, 26 x 2 mm	56 mm	56 mm	0.15 kg

## MULTI-PURPOSE GROUNDING CLAMP, STAINLESS STEEL



### FEATURES

- Convenient multi-purpose clamp designed to accommodate round conductors, flat conductors, ground rods and rebar
- Stainless steel material with inner plate allows compatibility between most dissimilar metals

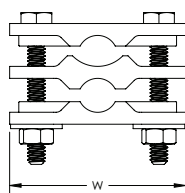
Material: Stainless Steel 304 (EN 1.4301)

Conductor Size: 35 mm<sup>2</sup> Stranded - 50 mm<sup>2</sup> Stranded, #2 Stranded - 1/0 Solid

Tape Size: 40 x 4 mm Max

Part Number	Article Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada	Length	Width
MPSC404SS	120319	5/8" – 3/4"	14.2 – 19.0 mm	16 – 20 mm	#5 – #6	15M – 20M	65 mm	65 mm

## UNIVERSAL CLAMP, SOLID ROUND CONDUCTOR



### FEATURES

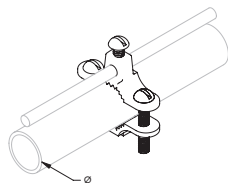
- For parallel connections of Cu-Bond Round Conductor

Material: Brass

Part Number	Depth	Width	CU-BOND Conductor	Unit Weight	Complies With
LPC466B	31.7 mm	63.5 mm	CBSC10, CBSC13	0.279 kg	IEC® 62561-1

IEC compliance is valid only for Cu-Bond Conductors listed.

## WATER PIPE GROUND CLAMP



### FEATURES

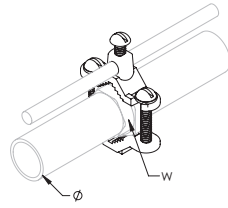
- High-strength silicone bronze
- Used for connecting copper conductors to metallic water pipe or ground rods



Part Number	Article Number	Pipe Size, Nominal	Pipe Size, Actual	Conductor Size	Certifications
<b>Material: Silicon Bronze</b>					
CWP1JJ	710262	1/2" - 1"	12.7 - 25.4 mm	#10 Solid - #4 Stranded, 6 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded	
CWP1JU	710266	1/2" - 1"	12.7 - 25.4 mm	#10 Solid - #2 Stranded, 6 mm <sup>2</sup> Stranded - 25 mm <sup>2</sup> Stranded	CSA, cULus
CWP2JU	710267	1 1/4" - 2"	31.8 - 50.8 mm	#10 Solid - #2 Stranded, 6 mm <sup>2</sup> Stranded - 25 mm <sup>2</sup> Stranded	CSA, cULus
CWP4J	710264	2 1/2" - 4"	63.5 - 101.6 mm	#10 Solid - #4 Stranded, 6 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded	CSA, cULus
CWP6J	710265	4 1/2" - 6"	108.0 - 152.4 mm	#10 Solid - #4 Stranded, 6 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded	CSA
<b>Material: Zinc Alloy</b>					
ZWP1J	710268	1/2" - 1"	12.7 - 25.4 mm	#10 Solid - #6 Solid, 6 mm <sup>2</sup> Stranded - 10 mm <sup>2</sup> Stranded	cULus

Optional copper screw for use in direct burial applications.

## WATER/GAS PIPE GROUND CLAMP



### FEATURES

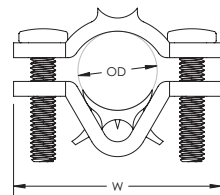
- High-strength silicone bronze
- Used for connecting copper conductors to metallic water pipe, ground rods, or flexible gas pipe (CSST) with brass hex fittings
- Conform to the requirements of the 2009 edition of NFPA® 54, NFGC® (National Fuel Gas Code) and NEC® (National Electric Code) for bonding corrugated stainless steel tubing (CSST) gas piping systems to the grounding conductor of the building's electrical system
- SH version for outdoor applications

Material: Silicon Bronze



Part Number	Article Number	Pipe Size, Nominal	Pipe Size, Actual	Hex Width	Conductor Size	Certifications
<b>For Outdoor Use: No</b>						
CWP1J	710261	1/2" – 1"	12.7 – 25.4 mm	25.4 – 31.8 mm	#10 Solid - #2 Solid, 6 mm <sup>2</sup> Solid - 25 mm <sup>2</sup> Stranded	CSA, cULus
CWP2J	710263	1 1/4" – 2"	31.8 – 50.8 mm	38.1 – 54.0 mm	#10 Solid - #2 Stranded, 6 mm <sup>2</sup> Stranded - 25 mm <sup>2</sup> Stranded	CSA, cULus
CWP3J		2 1/2" – 4"	63.5 – 101.6 mm	63.5 – 79.4 mm	#10 Solid - #4 Stranded, 6 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded	cULus
<b>For Outdoor Use: Yes</b>						
CWP1JSH		1/2" – 1"	12.7 – 25.4 mm	25.4 – 31.8 mm	#10 Solid - #2 Stranded, 6 mm <sup>2</sup> Stranded - 25 mm <sup>2</sup> Stranded	cULus
CWP2JSH		1 1/4" – 2"	31.8 – 50.8 mm	38.1 – 54.0 mm	#10 Solid - #2 Stranded, 6 mm <sup>2</sup> Solid - 25 mm <sup>2</sup> Stranded	cULus
CWP3JSH		2 1/2" – 4"	63.5 – 101.6 mm	63.5 – 79.4 mm	#10 Solid - #4 Stranded, 6 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded	cULus

## CAST PIPE CLAMP



### FEATURES

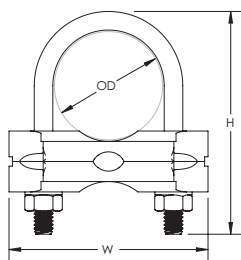
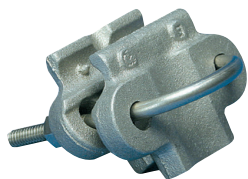
- Clamp for bonding horizontal or vertical pipes to the lightning protection system
- Listed to UL® 96

Conductor Size, UL: Class 1 - Class 2 (4/0 Max), Secondary



Part Number	Outer Diameter	Depth	Width	Unit Weight
<b>Material: Brass – Finish: Bare</b>				
LPC580	19.1 – 33.5 mm	38.1 mm	69.85 mm	0.268 kg
<b>Material: Brass – Finish: Tinned</b>				
LPC580L	19.1 – 33.5 mm	38.1 mm	69.85 mm	0.268 kg

## CAST U-BOLT PIPE CLAMP



### FEATURES

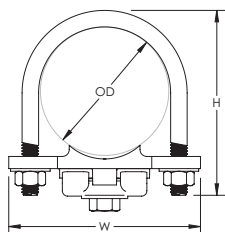
- Clamp for bonding conductor to handrails, pipes and rebar to lightning protection system
- Listed to UL® 96



Conductor Size, UL: Class 1 - Class 2 (4/0 Max), Secondary

Part Number	Outer Diameter	Depth	Height	Width	Unit Weight
<b>Material: Brass – Finish: Bare</b>					
LPC570	17.3 – 38.1 mm	45.72 mm	76.2 mm	67.818 mm	0.324 kg
<b>Material: Brass – Finish: Tinned</b>					
LPC570L	17.3 – 38.1 mm	45.72 mm	76.2 mm	67.818 mm	0.324 kg

## NOTCHED CAST U-BOLT PIPE CLAMP



### FEATURES

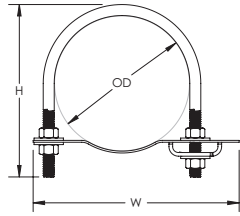
- Clamp for bonding of handrails and pipes to the lightning protection system
- Notched hole makes assembly easy and eliminates loose hardware
- Listed to UL® 96



Conductor Size, UL: Class 1 - Class 2 (4/0 Max)

Part Number	Outer Diameter	Depth	Height	Width	Unit Weight
<b>Material: Brass – Finish: Bare</b>					
LPC571	50.8 – 63.5 mm	49.78 mm	88.9 mm	92.2 mm	0.379 kg
<b>Material: Brass – Finish: Tinned</b>					
LPC571L	50.8 – 63.5 mm	49.78 mm	88.9 mm	92.2 mm	0.379 kg

## STAMPED U-BOLT PIPE CLAMP



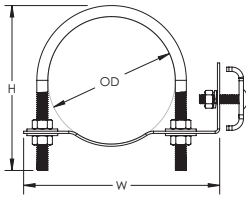
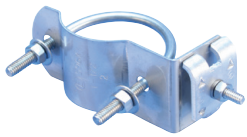
### FEATURES

- Clamp for bonding of pipes and exhaust stacks to the lightning protection system
- Listed to UL® 96



Part Number	Outer Diameter	Depth	Height	Width	Unit Weight
<b>Material: Copper, Stainless Steel 304 (EN 1.4301)</b>					
LPC5964	99.1 – 108.0 mm	50.8 mm	147.64 mm	158.75 mm	0.401 kg
LPC5966	111.1 – 174.2 mm	50.8 mm	223.84 mm	211.15 mm	0.372 kg

## STAMPED U-BOLT PIPE CLAMP, 90°



### FEATURES

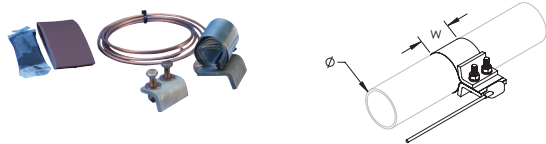
- Clamp for bonding of pipes, handrails and exhaust stacks to the lightning protection system
- Listed to UL® 96



Conductor Size, UL: Class 1 - Class 2 (4/0 Max)

Part Number	Outer Diameter	Depth	Height	Width	Unit Weight
<b>Material: Copper, Stainless Steel 304 (EN 1.4301)</b>					
LPC5962	48.3 – 66.7 mm	50.8 mm	92.00 mm	118.745 mm	0.234 kg
LPC5963	66.8 – 92.2 mm	50.8 mm	119.19 mm	139.700 mm	0.346 kg

## THIN WALL PIPE GROUND CLAMP ASSEMBLY



### FEATURES

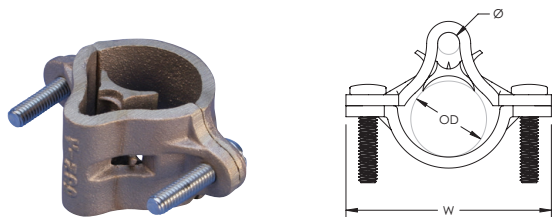
- Tinned copper strap draws tightly around pipe
- All hardware is included
- Includes emery cloth and anti-oxidant compound
- Conductor stub is easily spliced to ground conductor
- Cu-Bond connection of conductor to strap eliminates a mechanical interface

Material: Copper, Silicon Bronze

Finish: Tinned

Part Number	Width	Water Pipe Size	Conductor Size	Cable Length
B852A12C1G96	50.8 mm	76 – 305 mm	#6 Solid	2.4 m
B852A12C2Q60	50.8 mm	76 – 305 mm	4/0 Concentric	1.5 m
B852A8C1G48	50.8 mm	76 – 203 mm	#6 Solid	1.2 m
B852A8C1G96	50.8 mm	76 – 203 mm	#6 Solid	2.4 m

## CABLE/POINT PIPE SUPPORT



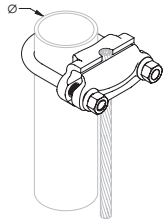
### FEATURES

- Clamp for bonding horizontal or vertical pipes to the lightning protection system
- May be used as a vertical support for air terminals
- Listed to UL® 96



Part Number	Diameter	Outer Diameter	Depth	Width	Unit Weight
<b>Material: Brass – Finish: Bare</b>					
LPC330	9.5 mm	35.6 – 44.5 mm	41.28 mm	88.9 mm	0.358 kg
LPC331	9.5 mm	44.5 – 63.5 mm	41.28 mm	99.0 mm	0.379 kg
<b>Material: Brass – Finish: Tinned</b>					
LPC330L	9.5 mm	35.6 – 44.5 mm	41.28 mm	88.9 mm	0.358 kg
LPC331L	9.5 mm	44.5 – 63.5 mm	41.28 mm	99.0 mm	0.379 kg

## FENCE CLAMP, ONE CONDUCTOR



### FEATURES

- Theft-deterrent appearance
- Stainless steel hardware included
- Tin plating minimizes the risk of corrosion
- The clamp accepts the conductor either in parallel or at right angles to the pipe

Material: Bronze, Stainless Steel 304 (EN 1.4301)

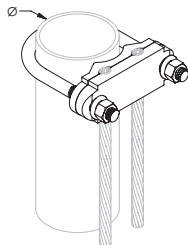
Finish: Tinned



Part Number	Article Number	Fence Post Size, Nominal	Fence Post Outside Diameter, Actual	Conductor Size	Cu-Bond Conductor	Complies With	Certifications
FC073	198401	1 1/2"	48 mm	#4 Solid - 2/0 Stranded, 16 mm <sup>2</sup> Stranded - 70 mm <sup>2</sup> Stranded			
FC074	198402	1 1/2"	48 mm	2/0 Solid - 250 kcmil Stranded, 50 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded			
FC075	198403	2"	60 mm	#4 Solid - 2/0 Stranded, 16 mm <sup>2</sup> Stranded - 70 mm <sup>2</sup> Stranded	CBSC8	IEC® 62561-1	cULus
FC076	198404	2"	60 mm	2/0 Solid - 250 kcmil Stranded, 50 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded	CBSC10, CBSC13	IEC® 62561-1	
FC078	198406	2 1/2"	73 mm	2/0 Solid - 250 kcmil Stranded, 16 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded			
FC079	198407	3"	89 mm	#4 Solid - 2/0 Stranded, 16 mm <sup>2</sup> Stranded - 70 mm <sup>2</sup> Stranded			
FC080	198408	3"	89 mm	2/0 Solid - 250 kcmil Stranded, 50 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded			
FC082	198411	3 1/2"	102 mm	#4 Solid - 2/0 Stranded, 16 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded			

IEC compliance is valid only for Cu-Bond Conductors listed.

## FENCE CLAMP, TWO CONDUCTORS



### FEATURES

- Theft-deterrent appearance
- Stainless steel hardware included
- Tin plating minimizes the risk of corrosion

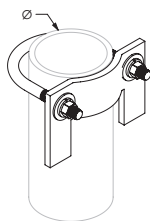
Material: Copper Alloy, Stainless Steel 304 (EN 1.4301)

Finish: Tinned



Part Number	Fence Post Size, Nominal	Fence Post Outside Diameter, Actual	Conductor Size
FC076DH	2"	60.45 mm	2/0 Solid - 250 kcmil Stranded, 50 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded
FC078DH	2 1/2"	73.15 mm	2/0 Solid - 250 kcmil Stranded, 16 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded
FC082DH	3 1/2"	101.60 mm	#4 Solid - 2/0 Stranded, 16 mm <sup>2</sup> Stranded - 120 mm <sup>2</sup> Stranded

## FENCE CLAMP FOR FIELD-WELDED CONNECTIONS



Material: Electrolytic Copper  
Finish: Tinned

### FEATURES

- Ideal for when Cadweld connections cannot be made to aluminum pipe or thin-wall steel tube
- Stainless steel hardware included
- Can be used when field-welding conductors

Part Number	Fence Post Size, Nominal	Fence Post Outside Diameter, Actual
B522B	1 1/4"	42 mm
B522C	1 1/2"	48 mm
B522D	2"	60 mm
B522E	2 1/2"	73 mm
B522F	3"	89 mm
B522G	3 1/2"	102 mm
B522H	4"	114 mm
B522K	6"	168 mm

## FLEXIBLE JUMPER FOR FENCE AND GATE GROUNDING



### FEATURES

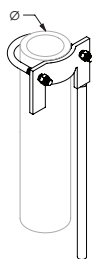
- Used to bond gates, switch operating handles and any other item where movement or vibration requires a flexible grounding jumper
- Multi-stranded insulated ropelay conductor provides flexibility and strand protection
- Swaged ends of jumper allow larger conductor to fit in the same mold as concentric conductor
- Connections are made with Cadweld exothermic connections using the same mold required for other fence post connections

Material: Copper, Polyethylene Rubber

Part Number	Cable Code	Conductor Size	Cable Length
FJ1T18	1T	#2 Solid	457 mm
FJ1T24	1T	#2 Solid	610 mm
FJ1T42	1T	#2 Solid	1,067 mm
FJ1T96	1T	#2 Solid	2,438 mm
FJ1T240	1T	#2 Solid	6,096 mm
FJ2G12	2G	2/0 Stranded	305 mm
FJ2G16	2G	2/0 Stranded	406 mm
FJ2G18	2G	2/0 Stranded	457 mm
FJ2G24	2G	2/0 Stranded	610 mm
FJ2G30	2G	2/0 Stranded	762 mm
FJ2G36	2G	2/0 Stranded	914 mm
FJ2G72	2G	2/0 Stranded	1,829 mm
FJ2G84	2G	2/0 Stranded	2,134 mm
FJ2G96	2G	2/0 Stranded	2,438 mm

Part Number	Cable Code	Conductor Size	Cable Length
FJ2G120	2G	2/0 Stranded	3,048 mm
FJ2G132	2G	2/0 Stranded	3,353 mm
FJ2G144	2G	2/0 Stranded	3,658 mm
FJ2G168	2G	2/0 Stranded	4,267 mm
FJ2G180	2G	2/0 Stranded	4,572 mm
FJ2G228	2G	2/0 Stranded	5,791 mm
FJ2G360	2G	2/0 Stranded	9,144 mm
FJ2Q16	2Q	4/0 Stranded	406 mm
FJ2Q18	2Q	4/0 Stranded	457 mm
FJ2Q24	2Q	4/0 Stranded	610 mm
FJ2QA24	2Q	4/0 Stranded	610 mm
FJ2Q36	2Q	4/0 Stranded	914 mm
FJ2Q48	2Q	4/0 Stranded	1,219 mm
FJ2Q120	2Q	4/0 Stranded	3,048 mm
FJ2Q156	2Q	4/0 Stranded	3,962 mm
FJ2Q168	2Q	4/0 Stranded	4,267 mm
FJ2Q180	2Q	4/0 Stranded	4,572 mm
FJ2Q216	2Q	4/0 Stranded	5,486 mm
FJ2Q240	2Q	4/0 Stranded	6,096 mm
FJ2Q252	2Q	4/0 Stranded	6,401 mm
FJ2Q384	2Q	4/0 Stranded	9,754 mm
FJ2Q600	2Q	4/0 Stranded	15,240 mm

### PREFABRICATED FENCE CLAMP ASSEMBLY WITH SINGLE GROUND LEAD



#### FEATURES

- deal for when Cadweld connections cannot be made to aluminum pipe or thin-wall steel tube
- Stainless steel hardware included
- Available in either left or right-hand orientation

Material: Copper, Stainless Steel 18-8 (EN 1.4305), Stainless Steel 304 (EN 1.4301)  
Finish: Tinned

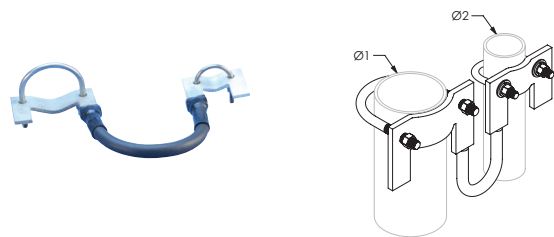
Part Number	Fence Post Size, Nominal	Fence Post Outside Diameter, Actual	Ground Lead Conductor Size	Ground Lead Length
<b>Orientation: Left Hand</b>				
A235C2C1LH	1 1/2"	48.3 mm	1/0 Stranded	0.3 m
A235D2G4LH	2"	60.5 mm	2/0 Stranded	1.2 m
A235D2Q4LH	2"	60.5 mm	4/0 Stranded	1.2 m
A235D2Q5LH	2"	60.5 mm	4/0 Stranded	1.5 m
A235E2G4LH	2 1/2"	73.2 mm	2/0 Stranded	1.2 m
A235E2Q4LH	2 1/2"	73.2 mm	4/0 Stranded	1.2 m
A235E2Q5LH	2 1/2"	73.2 mm	4/0 Stranded	1.5 m
A235F2C2LH	3"	88.9 mm	1/0 Stranded	0.6 m
<b>Orientation: Right Hand</b>				
A235D2G2RH	2"	60.5 mm	2/0 Stranded	0.6 m
A235D2Q4RH	2"	60.5 mm	4/0 Stranded	1.2 m
A235D2Q5RH	2"	60.5 mm	4/0 Stranded	1.5 m
A235E2Q2RH	2 1/2"	73.2 mm	4/0 Stranded	0.6 m
A235E2Q5RH	2 1/2"	73.2 mm	4/0 Stranded	1.5 m
A235G2Q2RH	3 1/2"	101.6 mm	4/0 Stranded	0.6 m
A235H2C10RH	4"	114.3 mm	1/0 Stranded	3.1 m

Right hand orientation shown in diagram.

## PREFABRICATED GATE JUMPER ASSEMBLY

### FEATURES

- Ideal for when Cadweld connections cannot be made to aluminum pipe or thin-wall steel tube
- Jumper conductor is insulated
- Stainless steel hardware included
- Available in either left or right-hand orientation



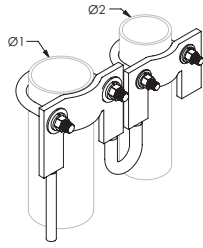
Material: Copper, Stainless Steel 18-8 (EN 1.4305), Stainless Steel 304 (EN 1.4301)

Finish: Tinned

Part Number	Fixed Gate Diameter, Nominal	Fixed Gate Diameter, Actual	Post Frame Diameter, Nominal	Post Frame Diameter, Actual	Jumper Conductor Size	Jumper Length
<b>Orientation: Left Hand</b>						
A238EB2S12LH	2 1/2"	73.2 mm	1 1/4"	42.20 mm	4/0 Stranded	305 mm
A238EC2S12LH	2 1/2"	73.2 mm	1 1/2"	48.30 mm	4/0 Stranded	305 mm
A238EC2S24LH	2 1/2"	73.2 mm	1 1/2"	48.30 mm	4/0 Stranded	610 mm
A238FC2S12LH	3"	88.9 mm	1 1/2"	48.30 mm	4/0 Stranded	305 mm
A238FC2S16LH	3"	88.9 mm	1 1/2"	48.30 mm	4/0 Stranded	406 mm
A238FC2S18LH	3"	88.9 mm	1 1/2"	48.30 mm	4/0 Stranded	457 mm
A238FC2S24LH	3"	88.9 mm	1 1/2"	48.30 mm	4/0 Stranded	610 mm
A238FD2S18LH	3"	88.9 mm	2"	60.50 mm	4/0 Stranded	457 mm
A238GC2S12LH	3 1/2"	101.6 mm	1 1/2"	48.30 mm	4/0 Stranded	305 mm
A238GC2S18LH	3 1/2"	101.6 mm	1 1/2"	48.30 mm	4/0 Stranded	457 mm
A238GC2S24LH	3 1/2"	101.6 mm	1 1/2"	48.30 mm	4/0 Stranded	610 mm
A238HB2S18LH	4"	114.3 mm	1 1/4"	42.16 mm	4/0 Stranded	457 mm
A238HC2S24LH	4"	114.3 mm	1 1/2"	48.30 mm	4/0 Stranded	610 mm
A238KC2S24LH	6"	168.4 mm	1 1/2"	48.30 mm	4/0 Stranded	610 mm
<b>Orientation: Right Hand</b>						
A238EC2S12RH	2 1/2"	73.2 mm	1 1/2"	48.30 mm	4/0 Stranded	305 mm
A238EC2S24RH	2 1/2"	73.2 mm	1 1/2"	48.30 mm	4/0 Stranded	610 mm
A238FC2S12RH	3"	88.9 mm	1 1/2"	48.30 mm	4/0 Stranded	305 mm
A238FC2S16RH	3"	88.9 mm	1 1/2"	48.30 mm	4/0 Stranded	406 mm
A238FC2S18RH	3"	88.9 mm	1 1/2"	48.30 mm	4/0 Stranded	457 mm
A238FC2S24RH	3"	88.9 mm	1 1/2"	48.30 mm	4/0 Stranded	610 mm
A238FD2S18RH	3"	88.9 mm	2"	60.50 mm	4/0 Stranded	457 mm
A238FF2S12RH	3"	88.9 mm	3"	88.90 mm	4/0 Stranded	305 mm
A238GC2S12RH	3 1/2"	101.6 mm	1 1/2"	48.30 mm	4/0 Stranded	305 mm
A238GC2S18RH	3 1/2"	101.6 mm	1 1/2"	48.30 mm	4/0 Stranded	457 mm
A238GC2S24RH	3 1/2"	101.6 mm	1 1/2"	48.30 mm	4/0 Stranded	610 mm
A238GD2S24RH	3 1/2"	101.6 mm	2"	60.50 mm	4/0 Stranded	610 mm
A238HB2S18RH	4"	114.3 mm	1 1/4"	42.16 mm	4/0 Stranded	457 mm
A238HD2S24RH	4"	114.3 mm	2"	60.50 mm	4/0 Stranded	610 mm
A238KC2S24RH	6"	168.4 mm	1 1/2"	48.30 mm	4/0 Stranded	610 mm
A238KD2S24RH	6"	168.4 mm	2"	60.50 mm	4/0 Stranded	610 mm

"Fixed gate" refers to the pipe on the fence itself, while "post frame" refers to the post on the swinging door. Left hand orientation shown in diagram.

## PREFABRICATED GATE JUMPER ASSEMBLY WITH GROUND LEADS



### FEATURES

- Ideal for when Cadweld connections cannot be made to aluminum pipe or thin-wall steel tube
- Jumper conductor is insulated
- Stainless steel hardware included
- Available in either left or right-hand orientation

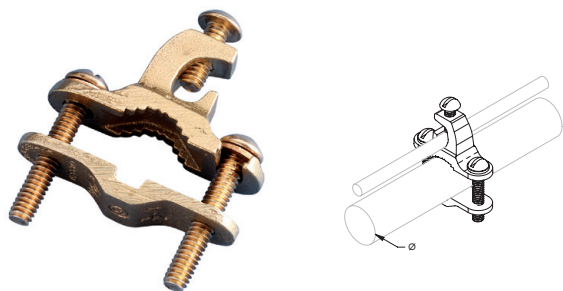
Material: Copper, Stainless Steel 18-8 (EN 1.4305), Stainless Steel 304 (EN 1.4301)

Finish: Tinned

Part Number	Fixed Gate Diameter, Nominal	Fixed Gate Diameter, Actual	Post Frame Diameter, Nominal	Post Frame Diameter, Actual	Jumper Conductor Size	Jumper Length	Ground Lead Conductor Size	Ground Lead Length
<b>Orientation: Left Hand</b>								
A239DC2S242C4LH	2"	60.5 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	1/0 Stranded	1,219 mm
A239EC2S182Q6LH	2 1/2"	73.2 mm	1 1/2"	48.3 mm	4/0 Stranded	457 mm	4/0 Stranded	1,829 mm
A239EC2S242C4LH	2 1/2"	73.2 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	1/0 Stranded	1,219 mm
A239EC2S242G8LH	2 1/2"	73.2 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	2/0 Stranded	2,438 mm
A239EC2S242Q4LH	2 1/2"	73.2 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	1,219 mm
A239FC2S242C2LH	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	1/0 Stranded	610 mm
A239FC2S242G4LH	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	2/0 Stranded	1,219 mm
A239FC2S242G5LH	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	2/0 Stranded	1,524 mm
A239FC2S242Q10L	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	3,048 mm
A239FC2S242Q2LH	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	610 mm
A239FC2S242Q4LH	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	1,219 mm
A239FC2S242Q8LH	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	2,438 mm
A239FD2S241V1LH	3"	88.9 mm	2"	60.5 mm	4/0 Stranded	610 mm	#2 Stranded	305 mm
A239FD2S242G4LH	3"	88.9 mm	2"	60.5 mm	4/0 Stranded	610 mm	2/0 Stranded	1,219 mm
A239GC2S242Q4LH	3 1/2"	101.6 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	1,219 mm
A239HC2S182C5LH	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	457 mm	1/0 Stranded	1,524 mm
A239HC2S182Q6LH	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	457 mm	4/0 Stranded	1,829 mm
A239HC2S242C10L	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	1/0 Stranded	3,048 mm
A239HC2S242C4LH	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	1/0 Stranded	1,219 mm
A239HC2S242G30L	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	2/0 Stranded	9,144 mm
A239HC2S242G4LH	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	2/0 Stranded	1,219 mm
A239HC2S242G5LH	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	2/0 Stranded	1,524 mm
A239HC2S242Q2LH	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	610 mm
A239HD2S242Q2LH	4"	114.3 mm	2"	60.5 mm	4/0 Stranded	610 mm	4/0 Stranded	610 mm
A239HD2S242Q5LH	4"	114.3 mm	2"	60.5 mm	4/0 Stranded	610 mm	4/0 Stranded	1,524 mm
<b>Orientation: Right Hand</b>								
A239EB2S242Q4RH	2 1/2"	73.2 mm	1 1/4"	42.2 mm	4/0 Stranded	610 mm	4/0 Stranded	1,219 mm
A239EC2S242C4RH	2 1/2"	73.2 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	1/0 Stranded	1,219 mm
A239EC2S242Q4RH	2 1/2"	73.2 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	1,219 mm
A239FC2S122G24R	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	305 mm	2/0 Stranded	7,315 mm
A239FC2S242C2RH	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	1/0 Stranded	610 mm
A239FC2S242G4RH	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	2/0 Stranded	1,219 mm
A239FC2S242G5RH	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	2/0 Stranded	1,524 mm
A239FC2S242Q4RH	3"	88.9 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	1,219 mm
A239FD2S242G4RH	3"	88.9 mm	2"	60.5 mm	4/0 Stranded	610 mm	2/0 Stranded	1,219 mm
A239GC2S242Q4RH	3 1/2"	101.6 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	1,219 mm
A239HB2S242Q1RH	4"	114.3 mm	1 1/4"	42.2 mm	4/0 Stranded	610 mm	4/0 Stranded	305 mm
A239HC2S182C5RH	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	457 mm	1/0 Stranded	1,524 mm
A239HC2S242C10R	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	1/0 Stranded	3,048 mm
A239HC2S242C4RH	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	1/0 Stranded	1,219 mm
A239HC2S242G30R	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	2/0 Stranded	9,144 mm
A239HC2S242G5RH	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	2/0 Stranded	1,524 mm
A239HC2S242Q2RH	4"	114.3 mm	1 1/2"	48.3 mm	4/0 Stranded	610 mm	4/0 Stranded	610 mm
A239HD2S242Q2RH	4"	114.3 mm	2"	60.5 mm	4/0 Stranded	610 mm	4/0 Stranded	610 mm
A239HD2S242Q5RH	4"	114.3 mm	2"	60.5 mm	4/0 Stranded	610 mm	4/0 Stranded	1,524 mm
A239KD2S242Q4RH	6"	114.3 mm	2"	60.5 mm	4/0 Stranded	610 mm	4/0 Stranded	1,219 mm

"Fixed gate" refers to the pipe on the fence itself, while "post frame" refers to the post on the swinging door. Left hand orientation shown in diagram.

## REBAR GROUNDING CLAMP, PARALLEL



### FEATURES

- Universal use for rebar, rods or pipes
- Lay-in feature cuts installation time
- Bronze alloy construction with Stainless Steel 304 screws
- Approved for direct burial in earth and concrete

Material: Bronze, Stainless Steel 304 (EN 1.4301)

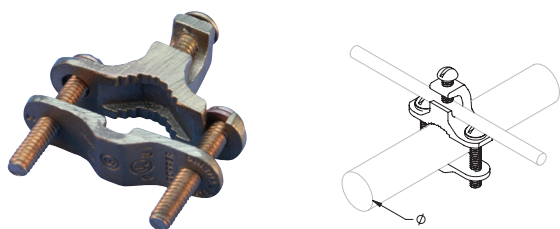
Connection Type: Parallel

Conductor Size:



Part Number	Article Number	Ground Rod Diameter, Actual	Water Pipe Size	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada
EK16	710355	12.7 – 25.4 mm	12.7 – 25.4 mm	12 – 25 mm	#4 – #8	10M – 25M

## REBAR GROUNDING CLAMP, PERPENDICULAR



### FEATURES

- Universal use for rebar, rods or pipes
- Lay-in feature cuts installation time
- Bronze alloy construction with Stainless Steel 304 screws
- Approved for direct burial in earth and concrete

Material: Bronze, Stainless Steel 304 (EN 1.4301)

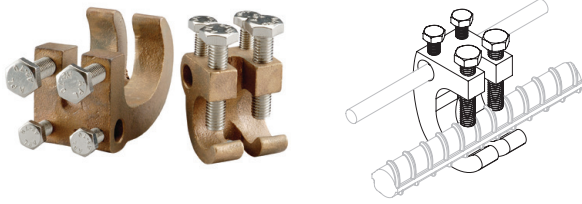
Connection Type: Perpendicular

Conductor Size:



Part Number	Article Number	Ground Rod Diameter, Actual	Water Pipe Size	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada
EK17	710365	12.7 – 25.4 mm	12.7 – 25.4 mm	12 – 25 mm	#4 – #8	10M – 25M

## REBAR GROUNDING CLAMP, HEAVY DUTY



### FEATURES

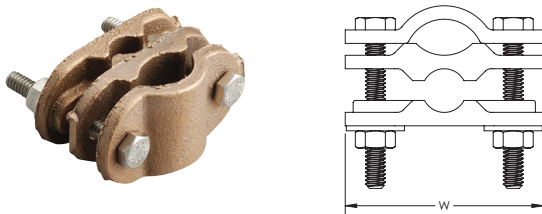
- Provides two connection points to concrete encased electrodes (rebar) for states where the Authority Having Jurisdiction (AHJ) requires it
- Meets 2005 NEC® standard requirement for bonding to rebar into the grounding system
- Has high-strength bronze alloy construction
- Easy to install

Material: Bronze



Part Number	Article Number	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada
<b>Conductor Size: #8 Solid - 2/0 Stranded, 10 mm<sup>2</sup> Stranded - 70 mm<sup>2</sup> Stranded</b>				
RC70	710325	8 – 18 mm	#3 – #6	10M – 20M
<b>Conductor Size: #8 Solid - 4/0 Stranded, 10 mm<sup>2</sup> Stranded - 100 mm<sup>2</sup> Stranded</b>				
RC100	710335	18 – 36 mm	#6 – #11	20M – 35M

## REBAR BONDING CLAMP



### FEATURES

- Provides bond from lightning protection system to rebar

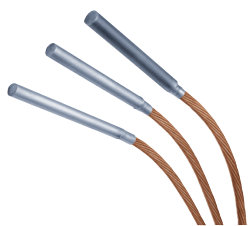
Material: Brass

Conductor Size, UL: Class 2 (4/0 Max)



Part Number	Rebar Size, Canada	Rebar Size, Metric	Rebar Size, US	Depth	Width	Unit Weight
LPC466	10M Max	29 mm Max	#9 Max	31.7 mm	63.5 mm	0.279 kg

## ARC WELDABLE BOND



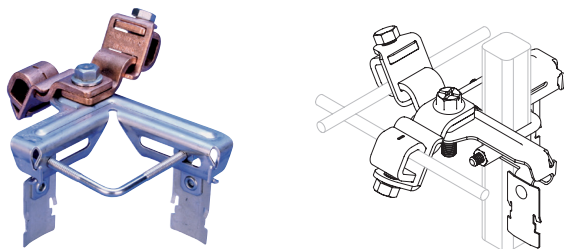
### FEATURES

- 19-strand concentric cable flash-welded to steel rod for a bonding connection to structural steel and to rebar
- Economical alternative to exothermic welding when only a few connections need to be made and an arc welder is available on site
- Rod is sized to match the ampacity of the cable for fault currents

Material: Copper, Steel

Part Number	Conductor Size	Cable Length	Rod Size	Rod Length
EWB2G9164	2/0 Stranded	1.2 m	14 mm	203 mm
EWB2L584	3/0 Stranded	1.2 m	16 mm	203 mm
EWB2Q344	4/0 Stranded	1.2 m	19 mm	203 mm
EWBCS701	70 mm <sup>2</sup> Stranded	1.0 m	12 mm	203 mm

## UNIVERSAL PEDESTAL CLAMP WITH CABLE MANAGEMENT, MBNUPCJ240



### FEATURES

- Only one attachment required for both mesh bonding and cable management
- Eliminates the need for separate mounting brackets for different pedestal types or sizes
- Stainless steel construction of bracket and hardware reduces potential for galvanic corrosion
- Mesh bonding conductors do not have to bend around each pedestal to conform to grid pattern
- Suitable for round or square pedestals

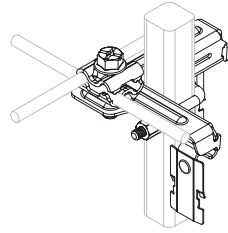
Material: Copper, Steel, Stainless Steel 304 (EN 1.4301)

Finish: nVent CADDY Armour, Electrogalvanized



Part Number	Conductor Size	Pedestal Size	Standard Packaging Quantity
MBNUPCJ240	#2 Solid - 4/0 Stranded, 35 mm <sup>2</sup> - 100 mm <sup>2</sup>	22 - 51 mm Round or Square	25 pc

## UNIVERSAL PEDESTAL CLAMP WITH CABLE MANAGEMENT, MBNUPCJ82



### FEATURES

- Only one attachment required for both mesh bonding and cable management
- Eliminates the need for separate mounting brackets for different pedestal types or sizes
- Stainless steel construction of bracket and hardware reduces potential for galvanic corrosion
- Mesh bonding conductors do not have to bend around each pedestal to conform to grid pattern
- Suitable for round or square pedestals

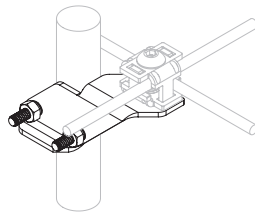
Material: Bronze, Steel, Stainless Steel 304 (EN 1.4301)

Finish: nVent CADDY Armour, Electrogalvanized



Part Number	Conductor Size	Pedestal Size	Standard Packaging Quantity
MBNUPCJ82	#8 Solid - #2 Stranded, 10 mm <sup>2</sup> Solid - 35 mm <sup>2</sup> Stranded	22 - 51 mm Round or Square	25 pc

## SRG CONNECTOR PEDESTAL MOUNTING BRACKET



### FEATURES

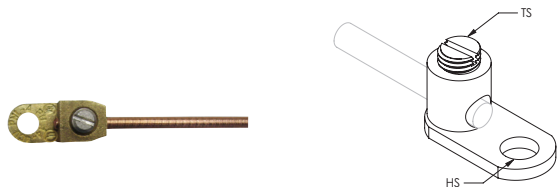
- Mounts SRGC46 connector to square or round pedestals
- Simplifies retrofit installations

Material: Stainless Steel 304 (EN 1.4301), Bronze



Part Number	Article Number	Pedestal Size	Standard Packaging Quantity
SRGC46BR	167906	22 mm Square; 25 mm Round	10 pc

## COPPER LUG MECHANICAL CONNECTOR



### FEATURES

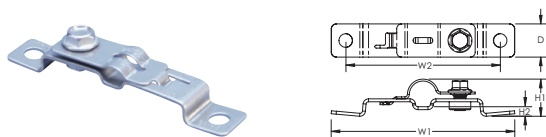
- Simple to use and install
- Suitable for telecom and equipotential bonding applications



Material: Copper

Part Number	Conductor Size	Thread Size	Hole Size
EL4	#14 Solid - #4 Stranded, 2.5 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded	5/16 UNF	7.2 mm

## FLUSH MOUNT POSITIONER, SOLID ROUND CONDUCTOR



### FEATURES

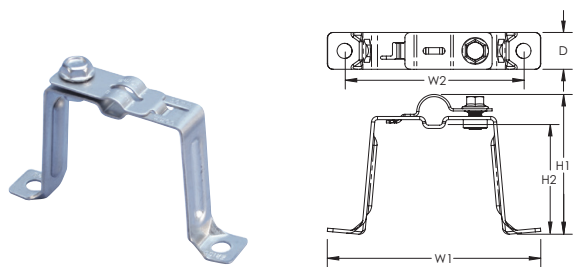
- Flush-mount positioning clamps for use with solid round conductors, including Cu-Bond Round Conductor
- For use with copper-bonded, copper, or stainless steel solid conductors

Material: Stainless Steel 18-8 (EN 1.4305), Stainless Steel 316 (EN 1.4401)

Part Number	Width 1	Width 2	Height 1	Height 2	Depth	Cu-Bond Conductor	Unit Weight	Complies With
CSS0810000	95 mm	80 mm	20 mm	5 mm	17 mm	CBSC8, CBSC10	0.009 kg	IEC® 62561-4
CSS1314000	95 mm	80 mm	20 mm	5 mm	17 mm	CBSC13, CBSC14	0.009 kg	IEC® 62561-4
CSS1618000	95 mm	80 mm	25 mm	5 mm	17 mm	CBSC16, CBSC18	0.009 kg	IEC® 62561-4

IEC compliance is valid only for Cu-Bond Conductors listed.

## 50 MM OFFSET POSITIONER, SOLID ROUND CONDUCTOR



### FEATURES

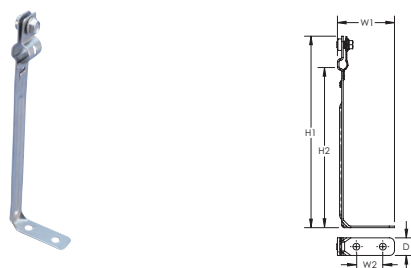
- Positioning clamps with 50 mm (1.97") offset for use with solid round conductors, including Cu-Bond Round Conductor
- For use with copper-bonded, copper, or stainless steel solid conductors

Material: Stainless Steel 18-8 (EN 1.4305), Stainless Steel 316 (EN 1.4401)

Part Number	Width 1	Width 2	Height 1	Height 2	Depth	Cu-Bond Conductor	Unit Weight	Complies With
CSS0810050	100 mm	80 mm	65 mm	50 mm	17 mm	CBSC8, CBSC10	0.011 kg	IEC® 62561-4
CSS1314050	100 mm	80 mm	65 mm	50 mm	17 mm	CBSC13, CBSC14	0.011 kg	IEC® 62561-4
CSS1618050	100 mm	80 mm	70 mm	50 mm	17 mm	CBSC16, CBSC18	0.011 kg	IEC® 62561-4

IEC compliance is valid only for Cu-Bond Conductors listed.

## 150 MM OFFSET POSITIONER, SOLID ROUND CONDUCTOR



### FEATURES

- Positioning clamps with 150 mm (5.9") offset for use with solid round conductors, including Cu-Bond Round Conductor
- For use with copper-bonded, copper, or stainless steel solid conductors
- Ideal for use in positioning solid round conductor in a horizontal orientation, such as on a roof or parapet

Material: Stainless Steel 18-8 (EN 1.4305), Stainless Steel 316 (EN 1.4401)

Part Number	Width 1	Width 2	Height 1	Height 2	Depth	Cu-Bond Conductor	Unit Weight	Complies With
CSS0810150	55 mm	25 mm	185 mm	150 mm	17 mm	CBSC8, CBSC10	0.013 kg	IEC® 62561-4
CSS1314150	55 mm	25 mm	185 mm	150 mm	17 mm	CBSC13, CBSC14	0.013 kg	IEC® 62561-4

IEC compliance is valid only for Cu-Bond Conductors listed.

## THEFT DETERRENT COMPOSITE CABLE CLIP



### FEATURES

- Compatible with CC5A04 Theft Deterrent Composite Cable

Material: Aluminum

Part Number	Conductor Size	Hole Size
CCL04A	#14 Solid - 2/0 Solid, 2.5 mm <sup>2</sup> Stranded - 10 mm <sup>2</sup> Stranded	5.1 mm



# Conductors

# nVent ERICO Cu-Bond Composite Cable



nVent ERICO CU-Bond is a bare concentric stranded conductor that consists of peripheral tinned copper plated steel which protects and conceals the internal copper stranding. This conductor is ideal for exposed electrical grounding applications where copper theft may occur. The conductor is difficult to cut with hand tools and the outer stranding is magnetic, which further deters thieves looking for copper. The CC5A05CB (19 strand) is electrically equivalent to a 25mm<sup>2</sup> (4 AWG), the CC5A20CB is electrically equivalent to a 70mm<sup>2</sup> (2/0 AWG) and the CC5A40CB is electrically equivalent to a 120mm<sup>2</sup> (4/0 AWG). These conductors are ideal for transmission tower, distribution pole and a wide range of above and below grade grounding applications.

Material: Copper, Copper-Bonded Steel  
 Finish: Tinned  
 Insulated: No

## FEATURES

- Outer strands comprised of tinned copper-bonded steel for theft deterrence and improved corrosion resistance
- Inner copper stranding is tinned for superior corrosion resistance
- Copper stranding inside of conductor increases conductivity and conductor flexibility
- Copper strands are hidden by outer galvanized steel strands
- Available in three sizes/configurations with electrical equivalency to 4, 2/0 and 4/0 AWG copper
- Suitable for direct burial applications
- More flexible and easier to work with than copper clad steel conductors
- Available in three sizes/configurations with electrical equivalency to 4, 2/0 and 4/0 AWG copper
- Suitable for direct burial applications
- More flexible and easier to work with than copper clad steel conductors

Part Number	Stranding	Resistance	Fusing Capacity Equivalency	Cable Diameter	Cable Length	Conductor Code	Hammerlock	Unit Weight
CC5A05CB	(19) Strands: (3) Tinned Copper, (16) Tin Plated Copper-Bonded Steel	1,227.000 Ω/km	25 mm <sup>2</sup>	8.1 mm	76.2 m	S1	EHL58C2G, EHL34C2G	28 kg
CC5A20CB	(154) Strands: (133) Tinned Copper, (21) Tin Plated Copper-Bonded Steel	0.285 Ω/km	70 mm <sup>2</sup>	13.3 mm	61.0 m	S5		51 kg
CC5A40CB	(161) Strands: (133) Tinned Copper, (27) Tinned Copper-Bonded Steel	0.182 Ω/km	120 mm <sup>2</sup>	16.5 mm	61.0 m	S7		79 kg

Cadweld Connections for Cu-Bond Composite Cable						
Part Number	Cu-Bond Composite Cable	Cadweld Welding Material	Cadweld PLUS Welding Material	Cadweld Connection Type	Connects To	Handle Clamp
SSCS1	CC5A05CB	32	32PLUSF20	SS	T1 Cable	L160
SSCS5	CC5A20CB	90	90PLUSF20	SS	T2 Cable	L160
SSCS7	CC5A40CB	150	150PLUSF20	SS	T3 Cable	L160
GRC16S1	CC5A05CB	65	65PLUSF20	GR	5/8" Copper- Bonded Ground Rod	L160
GRC16S5	CC5A20CB	90	90PLUSF20	GR	5/8" Copper- Bonded Ground Rod	L160
GRC16S7	CC5A40CB	115	115PLUSF20	GR	5/8" Copper- Bonded Ground Rod	L160
GRC18S1	CC5A05CB	90	90PLUSF20	GR	3/4" Copper- Bonded Ground Rod	L160
GRC18S5	CC5A20CB	90	90PLUSF20	GR	3/4" Copper- Bonded Ground Rod	L160
GRC18S7	CC5A40CB	115	115PLUSF20	GR	3/4" Copper- Bonded Ground Rod	L160
GLCCES1	CC5A05CB	32	32PLUSF20	GL	B121CE or B122CE Lug	L160
GLCCES5	CC5A20CB	45	45PLUSF20	GL	B121CE or B122CE Lug	L160
GLCCES7	CC5A40CB	65	65PLUSF20	GL	B121DE or B122DE Lug	L160
GTC16S1	CC5A05CB	90	90PLUSF20	GT	5/8" Copper- Bonded Ground Rod	L160
GTC16S5	CC5A20CB	115	115PLUSF20	GT	5/8" Copper- Bonded Ground Rod	L160
GTC16S7	CC5A40CB	200	200PLUSF20	GT	5/8" Copper- Bonded Ground Rod	L160
GTC18S1	CC5A05CB	90	90PLUSF20	GT	3/4" Copper- Bonded Ground Rod	L160
GTC18S5	CC5A20CB	115	115PLUSF20	GT	3/4" Copper- Bonded Ground Rod	L160
GTC18S7	CC5A40CB	200	200PLUSF20	GT	3/4" Copper- Bonded Ground Rod	L160
LACS1CE	CC5A05CB	45	45PLUSF20	LA	B101CEOL or B102CEOL Lug	L160
LACS5CE	CC5A20CB	65	65PLUSF20	LA	B101CEOL or B102CEOL Lug	L160
LACS7DE	CC5A40CB	90	90PLUSF20	LA	B101DEOL or B102DEOL Lug	L160

Please contact your nVent ERICO Customer Service Representative for other Cadweld configurations.

Conductor Sizes			
Cable	Diameter (Inches)	Diameter (mm)	Cross Sectional Area (mm <sup>2</sup> )
35 mm <sup>2</sup>	0.305	7.8	35
CCA05CB	0.32	8.1	33.2 (Steel) / 6.8 (Copper)
1 AWG	0.332	8.4	42.4
50 mm <sup>2</sup>	0.365	9.3	50
95 mm <sup>2</sup>	0.505	12.8	95
CC5A20CB	0.524	13.3	43.6 (Steel) / 49.9 (Copper)
4/0 AWG	0.528	13.4	107.2
120 mm <sup>2</sup>	0.567	14.4	120
300 kcmil	0.63	16	152.1
150 mm <sup>2</sup>	0.63	16	150
CC5A40CB	0.651	10.5	56.0 (Steel) / 86.9 (Copper)
350 kcmil	0.681	17.3	177.3
185 mm <sup>2</sup>	0.7	17.8	185

# Cu-Bond Round Conductor



Substation earthing riser

For decades, nVent ERICO has provided the market with high quality copper-bonded ground rods.

nVent ERICO has taken that same concept in ground rods and made this into a revolutionary new grounding conductor. The Cu-Bond Round Conductor is comprised of an electro-plated coating of copper deposited over a layer of nickel surrounding a steel core. This process helps ensure a long-lasting molecular bond between the copper layer and the steel.

The conductor core consists of a low-carbon steel grade for improved flexibility in the field. The copper surface of the conductor provides high conductivity and corrosion-resistance properties.

## FEATURES

- Copper-bonded coating will not crack or tear when the conductor is bent
- High resistance to corrosion and provides a low resistance path to Earth
- Available in standard packaging lengths of 100 meters, 50 meters, and 25 meters
- Minimum copper plating thickness of 254 microns
- Available in nominal diameters of 8, 10, 13, 14, 16, and 18 mm
- Meets the requirements of IEC® 62305-3 Edition 2 and IEC/EN 62561-2 for lightning protection applications
- Cu-Bond Round conductors are UL certified to IEC® 62561-2
- Many sizes of Cu-Bond Round Conductors are listed to UL 467



## BENEFITS AS AN ALTERNATIVE TO COPPER CONDUCTOR

- **Theft deterrent:** Copper theft is a problem everywhere. Cu-Bond Round Conductor is hard to cut with hand tools due to its steel core. They are also magnetic, notifying potential thieves that the materials within are of little scrap value.
- **Cost-effective:** Because the copper is bonded to a steel core, the cost of the conductor is minimized by reducing the total amount of copper in the cable.

## BENEFITS AS AN ALTERNATIVE TO GALVANIZED STEEL CONDUCTOR

- **Superior corrosion resistance:** In comparison to other steel-based products, Cu-Bond Round Conductor provides excellent application life of typically 30-40 years in most soil conditions.



Equipotential grounding conductor



GT Cadweld connection

# Cu-Bond Round Conductor



Lightning protection



Telecom tower grounding

## ABOVE GRADE APPLICATIONS

The unique properties of Cu-Bond Round Conductor make it ideal for both horizontal and vertical placement. Above grade, the conductor is well-suited as a lightning- protection conductor when applied in accordance with the IEC 62305-3 Edition 2.0 standard.

- **Utility**
  - Distribution down-lead conductor and assemblies
  - Bonding kits for substation fence or equipment ground risers back to the grid
- **Commercial and Industrial**
  - Alternative conductors to solid copper rod and tapes in grounding and lightning protection
- **Telecom**
  - Conductor for connecting equipment ground to ground grid, and riser (down-lead) conductors for tower
  - Grounding conductor for datacenter mesh bonding
- **Rail**
  - Trackside bonding conductor and stray current conductor
  - Grounding kits for trackside equipment, electrical traction power
  - Substation, wayside shelters, communication antenna equipment

## BELOW GRADE APPLICATIONS

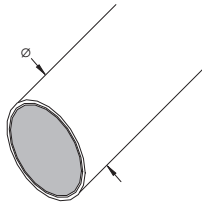
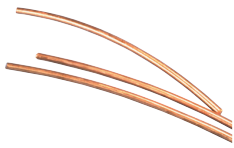
Copper-bonded steel conductors are ideal as earthing and bonding conductors where copper theft on-site may occur. Cu-Bond is ideal for use in a variety of applications including power distribution earthing and bonding; substation earthing; commercial, industrial, and railway earthing.

- Buried ground grid conductors and electrodes:
  - Wireless telecom tower earthing
  - Utility substation earthing; power distribution and transmission earthing
  - Large scale ground mount solar farm earthing
  - Industrial facility earthing, for example, petro-chemical and mining infrastructure
  - Railway earthing
- Interconnecting grounding conductor



**Cu-Bond Round Conductor is stamped with compliance markings directly on the product to ensure genuine product and high quality standards. Beware of imitations.**

# Cu-Bond Round Conductor



For decades, nVent ERICO has provided the market with high quality copper-bonded ground rods. nVent ERICO has taken that same concept in ground rods and made this into a revolutionary new grounding conductor. The core of the Cu-Bond Round Conductor is a low carbon steel grade for improved flexibility in the field. The steel core is plated with nickel then electro-plated with a coating of copper. This electro-plating process helps ensure a long-lasting molecular bond between the copper layer and the steel.

## FEATURES

- Theft-deterrent; steel core is hard to cut with hand tools
- Cost-effective; copper bonded to a steel core minimizes the amount of copper in the cable
- Superior corrosion resistance; application life of typically 30-40 years in most soil conditions
- Copper-bonded coating will not crack or tear when the conductor is bent
- High resistance to corrosion and provides a low-resistance path to ground
- Cu-Bond Round Conductor is marked every meter (3.28') for easy measurement in the field
- Meets the requirements of IEC® 62305-3 Edition 2 and IEC/EN 62561-2 for lightning protection applications
- Cu-Bond Round Conductors are UL certified to IEC® 62561-2

Material: Copper-Bonded Steel  
 Plating Thickness: 254 µm  
 Complies With:



Part Number	Diameter	Length	Fusing Capacity Equivalency	Cadweld Conductor Code	Unit Weight	Certification Details	Certifications
CBSC8A	8.0 mm	25 m	25 mm <sup>2</sup>	T1	9.7 kg	IEC® 62561-2	UL (IEC)
CBSC8B	8.0 mm	50 m	25 mm <sup>2</sup>	T1	19.5 kg	IEC® 62561-2	UL (IEC)
CBSC8	8.0 mm	100 m	25 mm <sup>2</sup>	T1	39.0 kg	IEC® 62561-2	UL (IEC)
CBSC10A	10.0 mm	25 m	35 mm <sup>2</sup>	T2	15.7 kg	IEC® 62561-2	UL (IEC)
CBSC10B	10.0 mm	50 m	35 mm <sup>2</sup>	T2	31.4 kg	IEC® 62561-2	UL (IEC)
CBSC10	10.0 mm	100 m	35 mm <sup>2</sup>	T2	62.7 kg	IEC® 62561-2	UL (IEC)
CBSC13A	13.2 mm	25 m	50 mm <sup>2</sup>	T3	26.9 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC13B	13.2 mm	50 m	50 mm <sup>2</sup>	T3	53.8 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC13	13.2 mm	100 m	50 mm <sup>2</sup>	T3	107.6 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC14A	14.2 mm	25 m	70 mm <sup>2</sup>	T4	31.2 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC14B	14.2 mm	50 m	70 mm <sup>2</sup>	T4	62.5 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC14	14.2 mm	100 m	70 mm <sup>2</sup>	T4	125.0 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC16A	15.7 mm	25 m	80 mm <sup>2</sup>	T5	37.4 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC16B	15.7 mm	50 m	80 mm <sup>2</sup>	T5	74.8 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC16	15.7 mm	100 m	80 mm <sup>2</sup>	T5	149.6 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC18A	17.7 mm	25 m	95 mm <sup>2</sup>	T6	48.0 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC18B	17.7 mm	50 m	95 mm <sup>2</sup>	T6	96.1 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)
CBSC18	17.7 mm	100 m	95 mm <sup>2</sup>	T6	192.2 kg	IEC® 62561-2, UL® 467 (CSA C22.1 No 41)	cULus, UL (IEC)

Conductor Physical Size Comparison				
Conductor Size	Approximate Diameter	Approximate Diameter	Cross Section	Cross Section
#4 AWG	0.235"	5.97 mm	-	-
25 mm <sup>2</sup>	0.266"	6.76 mm	-	-
#2 AWG	0.292"	7.42 mm	-	-
35 mm <sup>2</sup>	0.301"	7.65 mm	-	-
CBSC8	0.315"	8 mm	0.08 in <sup>2</sup>	50.27 mm <sup>2</sup>
50 mm <sup>2</sup>	0.35"	8.89 mm	-	-
1/0 AWG	0.373"	9.47 mm	-	-
CBSC10	0.394"	10 mm	0.12 in <sup>2</sup>	78.52 mm <sup>2</sup>
2/0 AWG	0.419"	10.64 mm	-	-
70 mm <sup>2</sup>	0.421"	10.69 mm	-	-
3/0 AWG	0.41"	10.4 mm	-	-
95 mm <sup>2</sup>	0.49"	12.47 mm	-	-
CBSC13	0.52"	13.2 mm	0.21 in <sup>2</sup>	138.07 mm <sup>2</sup>
4/0 AWG	0.528"	13.41 mm	-	-
CBSC14	0.56"	14.2 mm	0.25 in <sup>2</sup>	158.90 mm <sup>2</sup>
120 mm <sup>2</sup>	0.56"	14.22 mm	-	-
250 MCM	0.575"	14.61 mm	-	-
CBSC16	0.618"	15.7 mm	0.31 in <sup>2</sup>	199.84 mm <sup>2</sup>
150 mm <sup>2</sup>	0.62"	15.75 mm	-	-
300 MCM	0.629"	15.98 mm	-	-
185 mm <sup>2</sup>	0.695"	17.65 mm	-	-
CBSC18	0.697"	17.7 mm	0.38 in <sup>2</sup>	243.27 mm <sup>2</sup>

Conductivity Comparison				
Part Number	AWG (Ω/km)	CBSC Resistance per Length Comparison	mm <sup>2</sup> (Ω/km)	CBSC Resistance per Length Comparison
CBSC18	1/0 AWG	118.52%	50 mm <sup>2</sup>	110.82%
	2 AWG	74.54%	35 mm <sup>2</sup>	77.57%
CBSC16	2 AWG	102.20%	35 mm <sup>2</sup>	106.36%
	4 AWG	64.27%	25 mm <sup>2</sup>	75.97%
CBSC14	2 AWG	137.78%	25 mm <sup>2</sup>	102.42%
	4 AWG	86.65%	16 mm <sup>2</sup>	65.55%
CBSC13	2 AWG	134.46%	25 mm <sup>2</sup>	99.95%
	4 AWG	84.56%	16 mm <sup>2</sup>	63.97%
CBSC10	4 AWG	132.25%	16 mm <sup>2</sup>	100.05%
	6 AWG	83.17%	10 mm <sup>2</sup>	62.53%
CBSC8	6 AWG	107.85%	16 mm <sup>2</sup>	129.73%
	8 AWG	67.83%	10 mm <sup>2</sup>	81.08%

Fusing Current I <sub>rms</sub> (kA) - IEEE® 837 Annex C							
Conductor Type Copper-bonded, <sup>Steel Core, Rod</sup> <sub>a</sub>		CBSC8	CBSC10	CBSC13	CBSC14	CBSC16	CBSC18
Conductor Cross Section in mm <sub>2</sub>	A	50.265	78.52	138.07	158.903	199.84	243.27
Initial Conductor Temperature in °C	T <sub>a</sub>	40	40	40	40	40	40
Time of Current Flow in Seconds	t <sub>c</sub>	2	2	2	2	2	2
Maximum Allowable Temperature in °C	T <sub>m</sub>	1084	1084	1084	1084	1084	1084
Thermal Coefficient of Resistivity at Reference Temperature T <sub>r</sub>	a <sub>r</sub>	0.004	0.004	0.004	0.004	0.004	0.004
Resistivity of the Ground Conductor at Reference Temperature T <sub>r</sub> in mΩ-cm	r <sub>r</sub>	8.621	8.621	8.621	8.621	8.621	8.621
1/a <sub>0</sub> or (1/a <sub>r</sub> )-T <sub>r</sub> in °C	K <sub>0</sub>	245	245	245	245	245	245
Thermal Capacity Factor in Joules/cm <sub>3</sub> /°C	TCAP	3.846	3.846	3.846	3.846	3.846	3.846
Material Conductivity (%)	%	24.5	20.4	18.8	15.9	16.3	17.7
Fusing Current Calculation	β	84.73	84.73	84.73	84.73	84.73	84.73
	I	4.79	7.48	13.16	15.15	19.05	23.19
	I <sub>90%</sub>	4.31	6.74	11.84	13.63	17.14	20.87
	I <sub>80%</sub>	3.83	5.99	10.53	12.12	15.24	18.55

Resistance per unit length measurements made in mΩ/m, CBSC compared with respect to AWG/Metric. The IEEE® 837 standard (Annex C) provides a method of calculating the fusing current for conductors. This chart is a reference of the calculations for copper-bonded steel conductor according to the IEEE 837 standard. This information is for reference only.

## CU-BOND ROUND CONDUCTOR MANUAL STRAIGHTENING TOOL

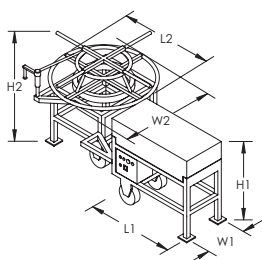


### FEATURES

- Hand tool used to reduce curvature in Cu-Bond Round Conductor
- Can be used with Cu-Bond Round Conductors CBSC8, CBSC10, and CBSC13

Part Number	Length
EGRA15	1,359 mm

## CU-BOND ROUND CONDUCTOR POWERED STRAIGHTENING TOOL



### FEATURES

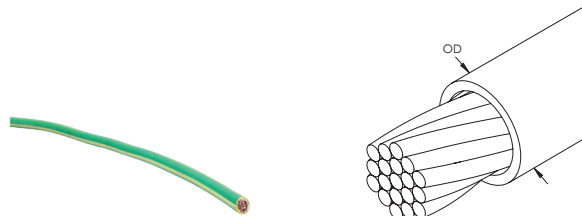
- Operates on 220/240V (single phase) or 110/120V with step-up transformer included on CBSCSSMT
- Two operating modes: Automatic with speed control and manual forward/reverse
- Interchangeable rollers allow the machine to straighten CBSC8, CBSC10, and CBSC13
- Manual straightening bar straightens the first few sections of Cu-Bond Round Conductor prior to feeding it into the machine
- Enclosure covers moving internal parts
- Safety switch for emergency shutoff
- Includes control rod to calibrate setup of the straightening machine
- Designed to be able to be moved on site by a forklift
- Wheels and collapsible handles allow for easy movement on the jobsite
- Add-on uncoiler holds Cu-Bond Round Conductor coils and provides a method of feeding material into the machine and gives repeatable and precise straightness results



Part Number	Length 1	Length 2	Width 1	Width 2	Height 1	Height 2	Operating Voltage	Unit Weight
CBSCSSM	1,099 mm	1,130 mm	508 mm	1,130 mm	997 mm	1,020 mm	220/240V	230 kg
CBSCSSMT	1,099 mm	1,130 mm	508 mm	1,130 mm	997 mm	1,020 mm	110/120V - 220/240V	230 kg

Spare parts are available for order. Contact your nVent ERICO representative for more information.

## INSULATED COPPER CONDUCTOR



### FEATURES

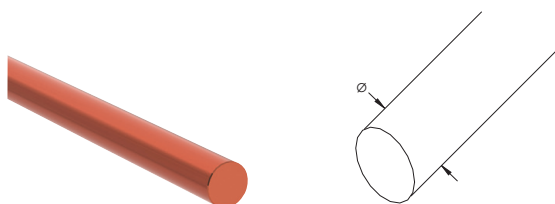
- Insulated copper conductor is compacted, so the diameter is smaller than conventional insulated copper conductor
- Green and yellow insulation protects the strands of the conductor

Material: Copper, Polyvinylchloride

Part Number	Article Number	Conductor Size	Number of Wires	Wire Diameter	Cable Diameter	Outer Diameter	Cable Length	Insulation Thickness	Unit Weight
<b>Conductor Type: Concentric, Compacted</b>									
ICECH50C		50 mm <sup>2</sup> Stranded	10	2.67 mm	8.15 mm	11.0 mm	50 m	1 mm	26 kg
ICECH70C		70 mm <sup>2</sup> Stranded	14	2.67 mm	9.65 mm	12.5 mm	500 m	1 mm	360 kg
ICECH95C		95 mm <sup>2</sup> Stranded	19	2.67 mm	11.35 mm	14.6 mm	500 m	1 mm	490 kg
ICECH120C		120 mm <sup>2</sup> Stranded	24	2.67 mm	12.90 mm	16.1 mm	500 m	1 mm	580 kg
ICECH150C		150 mm <sup>2</sup> Stranded	30	2.67 mm	14.15 mm	17.8 mm	500 m	1 mm	770 kg
ICECH185C		185 mm <sup>2</sup> Stranded	37	2.67 mm	15.85 mm	19.9 mm	500 m	1 mm	1,050 kg
ICECH240C		240 mm <sup>2</sup> Stranded	37	2.67 mm	18.25 mm	22.7 mm	500 m	1 mm	1,365 kg
<b>Conductor Type: Concentric, Non-Compacted</b>									
ICECH25	198050	25 mm <sup>2</sup> Stranded	7	2.27 mm	5.90 mm	8.3 mm	50 m	1 mm	13 kg

Outer diameter dimensions are approximate.

## NON-INSULATED SOLID CONDUCTOR



### FEATURES

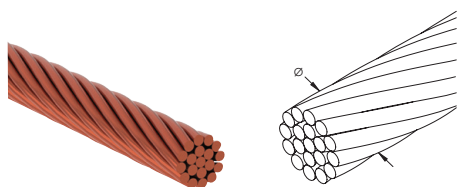
- Solid cable for a variety of applications
- Available in smaller spool sizes for convenience
- LPA and LPC parts are used for lightning protection system downconductor or grounding applications

Part Number	Article Number	Conductor Size	Cross Section	Diameter	Length	Unit Weight
<b>Material: Aluminum – Finish: Bare</b>						
RSCCA830	197698	1/0 Solid	50.3 mm <sup>2</sup>	8.0 mm	30.0 m	0.140 kg
RSCCA850	198250	1/0 Solid	50.3 mm <sup>2</sup>	8.0 mm	50.0 m	0.140 kg
RSCCA1030	197702	3/0 Solid	78.6 mm <sup>2</sup>	10.0 mm	30.0 m	0.212 kg
RSCCA1050	197703	3/0 Solid	78.6 mm <sup>2</sup>	10.0 mm	50.0 m	0.212 kg
RSCCA1330	197705	5/0 Solid	132.7 mm <sup>2</sup>	13.0 mm	30.0 m	0.359 kg
RSCCA1350	197706	5/0 Solid	132.7 mm <sup>2</sup>	13.0 mm	50.0 m	0.359 kg
<b>Material: Copper – Finish: Bare</b>						
A809A06F100		#4 Solid	21.2 mm <sup>2</sup>	5.2 mm	30.5 m	0.057 kg
RC-EC-8	198160	1/0 Solid	50.2 mm <sup>2</sup>	8.0 mm	100.0 m	0.449 kg
RCEC6	198150	6 mm <sup>2</sup> Solid	28.3 mm <sup>2</sup>	6.0 mm	100.0 m	0.250 kg
<b>Material: Copper – Finish: Tinned</b>						
RC-ET-8	198210	1/0 Solid	50.2 mm <sup>2</sup>	8.0 mm	100.0 m	0.449 kg

Part Number	Article Number	Conductor Size	Cross Section	Diameter	Length	Unit Weight
<b>Material: Stainless Steel 304 (EN 1.4301) – Finish: Bare</b>						
RSCC2SS830	197685	1/0 Solid	50.3 mm <sup>2</sup>	8.0 mm	30.0 m	0.400 kg
RSCC2SS850	197686	1/0 Solid	50.3 mm <sup>2</sup>	8.0 mm	50.0 m	0.400 kg
RSCC2SS1030		3/0 Solid	78.6 mm <sup>2</sup>	10.0 mm	30.0 m	0.630 kg
RSCC2SS1050		3/0 Solid	78.6 mm <sup>2</sup>	10.0 mm	50.0 m	0.630 kg
<b>Material: Stainless Steel 316L (EN 1.4404) – Finish: Bare</b>						
RSCC4SS830	197692	1/0 Solid	50.3 mm <sup>2</sup>	8.0 mm	30.0 m	0.400 kg
RSCC4SS850	197693	1/0 Solid	50.3 mm <sup>2</sup>	8.0 mm	50.0 m	0.400 kg
RSCC4SS1030	197695	3/0 Solid	78.6 mm <sup>2</sup>	10.0 mm	30.0 m	0.630 kg
RSCC4SS1050	197696	3/0 Solid	78.6 mm <sup>2</sup>	10.0 mm	50.0 m	0.630 kg
<b>Material: Steel – Finish: Hot-Dip Galvanized</b>						
RSCC830	197678	1/0 Solid	50.3 mm <sup>2</sup>	8.0 mm	30.0 m	0.400 kg
RSCC850	197679	1/0 Solid	50.3 mm <sup>2</sup>	8.0 mm	50.0 m	0.400 kg
RSCC8100	197860	1/0 Solid	50.3 mm <sup>2</sup>	8.0 mm	100.0 m	0.400 kg
RSCC1030	197682	3/0 Solid	78.5 mm <sup>2</sup>	10.0 mm	30.0 m	0.630 kg
RSCC1050	197683	3/0 Solid	78.5 mm <sup>2</sup>	10.0 mm	50.0 m	0.630 kg
RSCC10100	197870	3/0 Solid	78.5 mm <sup>2</sup>	10.0 mm	100.0 m	0.630 kg

Unit weight is per foot (0.3048 m).Cut-to-order (CTO) lengths are available for an additional charge.

### NON-INSULATED STRANDED CONDUCTOR



#### FEATURES

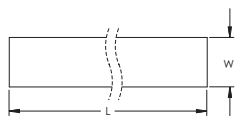
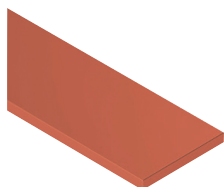
- Stranded pure electrolytic copper cable conductors for a variety of applications
- Stranded grounded conductor cut into standard lengths for easy field installation

Material: Copper  
Conductor Type: Concentric

Part Number	Article Number	Number of Wires	Wire Diameter	Diameter	Length	Cross Section	Conductor Size	Unit Weight
SCEC25	197900	7	2.14 mm	6.4 mm	50.0 m	25 mm <sup>2</sup>	25 mm <sup>2</sup> Stranded	12 kg
SCEC35	197910	7	2.52 mm	7.7 mm	50.0 m	35 mm <sup>2</sup>	35 mm <sup>2</sup> Stranded	16 kg
SCEC50	197920	19	1.78 mm	8.9 mm	50.0 m	50 mm <sup>2</sup>	50 mm <sup>2</sup> Stranded	23 kg
SCEC95	197940	19	2.52 mm	12.6 mm	500.0 m	95 mm <sup>2</sup>	95 mm <sup>2</sup> Stranded	425 kg
A800A22F100		19	2.69 mm	13.4 mm	30.5 m	107 mm <sup>2</sup>	4/0 Stranded	30 kg
SCEC120	710900	37	2.00 mm	14.2 mm	500.0 m	120 mm <sup>2</sup>	120 mm <sup>2</sup> Stranded	515 kg
SCEC150	710920	37	2.25 mm	15.8 mm	500.0 m	150 mm <sup>2</sup>	150 mm <sup>2</sup> Stranded	665 kg
SCEC185	197950	37	2.52 mm	17.7 mm	500.0 m	185 mm <sup>2</sup>	185 mm <sup>2</sup> Stranded	835 kg

Outer diameter dimensions are approximate.

## TAPE CONDUCTOR



### FEATURES

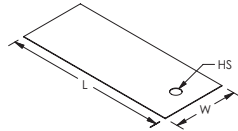
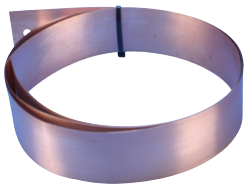
- Lower impedance than equivalent sized round conductor
- Used for lightning protection system downconductor or grounding applications

Part Number	Article Number	Width	Thickness	Length	Unit Weight
<b>Material: Aluminum – Finish: Bare</b>					
FAT-253-50	710740	25.0 mm	3.0 mm	50.0 m	0.210 kg
BAT506050	710965	50.0 mm	6.0 mm	50.0 m	0.810 kg
<b>Material: Copper – Finish: Bare</b>					
TCEC25230	197656	25.0 mm	2.0 mm	30.0 m	0.445 kg
TCEC25250	197657	25.0 mm	2.0 mm	50.0 m	0.445 kg
TCEC25325	710515	25.0 mm	3.0 mm	25.0 m	0.671 kg
TC-EC-2530-50	710510	25.0 mm	3.0 mm	50.0 m	0.671 kg
TCEC253500	197663	25.0 mm	3.0 mm	500.0 m	0.668 kg
TCEC25430	197662	25.0 mm	4.0 mm	30.0 m	0.890 kg
TCEC25450	710520	25.0 mm	4.0 mm	50.0 m	0.890 kg
TCEC254500	197664	25.0 mm	4.0 mm	500.0 m	0.890 kg
TCEC30230	197650	30.0 mm	2.0 mm	30.0 m	0.530 kg
TCEC30250	197652	30.0 mm	2.0 mm	50.0 m	0.530 kg
TCEC38510	710555	38.0 mm	5.0 mm	10.0 m	1.700 kg
TCEC38630	710560	38.0 mm	6.0 mm	30.0 m	2.040 kg
TCEC405030		40.0 mm	5.0 mm	30.0 m	1.780 kg
TCEC50430	197665	50.0 mm	4.0 mm	30.0 m	1.780 kg
TCEC50450	197666	50.0 mm	4.0 mm	50.0 m	1.780 kg
TCEC504500	197667	50.0 mm	4.0 mm	500.0 m	1.780 kg
TCEC50620	710580	50.0 mm	6.0 mm	20.0 m	2.670 kg
TCEC50630	197668	50.0 mm	6.0 mm	30.0 m	2.670 kg
TCEC50650	197669	50.0 mm	6.0 mm	50.0 m	2.670 kg
TCEC506500	197671	50.0 mm	6.0 mm	500.0 m	2.670 kg
A811A26F50		50.8 mm	0.4 mm	15.2 m	0.226 kg
A811A26F500		50.8 mm	0.4 mm	152.4 m	0.226 kg
<b>Material: Copper – Finish: Lead Covered</b>					
LCT25350	710625	25.0 mm	3.0 mm	25.0 m	2.560 kg
<b>Material: Copper – Finish: Tinned</b>					
TCECT25230	197659	25.0 mm	2.0 mm	30.0 m	0.450 kg
TCECT25250	197661	25.0 mm	2.0 mm	50.0 m	0.450 kg
TC-ECT-253	197720	25.0 mm	3.0 mm	30.0 m	0.670 kg
TCECT25350	197715	25.0 mm	3.0 mm	50.0 m	0.670 kg
TCECT30230	197710	30.0 mm	2.0 mm	30.0 m	0.530 kg
TCECT30250	197654	30.0 mm	2.0 mm	50.0 m	0.530 kg
TCECT30275	545200	30.0 mm	2.0 mm	75.0 m	0.530 kg
TCECT3850		38.0 mm	5.0 mm	30.0 m	1.700 kg
TCECT5060		50.0 mm	6.0 mm	20.0 m	2.680 kg

Part Number	Article Number	Width	Thickness	Length	Unit Weight
<b>Material: Stainless Steel 304 (EN 1.4301) – Finish: Bare</b>					
TCHSS303530	197676	30.0 mm	3.5 mm	30.0 m	0.840 kg
TCHSS303550	197677	30.0 mm	3.5 mm	50.0 m	0.840 kg
<b>Material: Stainless Steel 316L (EN 1.4404) – Finish: Bare</b>					
TCHSSP303530	197674	30.0 mm	3.5 mm	30.0 m	0.840 kg
TCHSSP303550	197675	30.0 mm	3.5 mm	50.0 m	0.840 kg
<b>Material: Steel – Finish: Hot-Dip Galvanized</b>					
TCHGSP303530	197810	30.0 mm	3.5 mm	30.0 m	0.820 kg
TCHGSP303550	197672	30.0 mm	3.5 mm	50.0 m	0.840 kg
TCHGS40430	197890	40.0 mm	4.0 mm	30.0 m	1.292 kg

Cut-to-order (CTO) lengths are available for an additional charge. Unit weight is per meter (3.28').

## LOW IMPEDANCE RISER



### FEATURES

- Used to connect the signal reference grid to equipment
- Welded to the SRG using Cadweld mold type TW
- Has a lower impedance than a 4/0 AWG copper conductor

Material: Copper

Part Number	Length	Width	Thickness	Hole Size
B802D01A5	127 mm	50 mm	0.4 mm	7.9 mm
B802D01A12	305 mm	50 mm	0.4 mm	7.9 mm
B802D01A24	610 mm	50 mm	0.4 mm	7.9 mm
B802D01A36	914 mm	50 mm	0.4 mm	7.9 mm
B802D01A48	1,219 mm	50 mm	0.4 mm	7.9 mm
B802D01A72	1,829 mm	50 mm	0.4 mm	7.9 mm
B802D01A120	3,048 mm	50 mm	0.4 mm	7.9 mm

# Grounding and Bonding

## nVENT ERICO GROUND ENHANCEMENT MATERIAL (GEM)



nVent ERICO Ground Enhancement Material (GEM) is a superior conductive material that solves your toughest grounding problems. It is the ideal material to use in areas of poor conductivity, such as rocky ground, mountain tops and sandy soil. GEM dramatically reduces earth resistance and impedance measurements. Furthermore, GEM may reduce the size of the grounding system where conventional methods are unsatisfactory. Once installed, GEM is maintenance-free, not requiring periodic charging or the presence of water to maintain its conductivity.

**To learn more about GEM, please see page 8.**

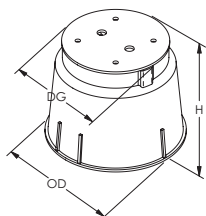
### FEATURES

- Maintains constant resistance for the life of the system once in its set form
- Performs in all soil conditions even during dry spells
- Does not require periodic charging treatments or placement
- Does not require the continuous presence of water to maintain its conductivity
- Fully sets within 3 days, fully cures within 28 days
- Does not dissolve, decompose, or leach out with time
- Non-corrosive
- Reduces vandalism and theft since conductors are hard to remove from concrete
- Easy-to-handle 25 lb (11.3kg) bags or buckets
- Requires only one person to install
- Exceeds IEC® 62561-7 which sets the benchmark for corrosion, leaching, sulfur content, and other environmental regulations
- Complies to the United States Environmental Protection Agency (EPA) Toxicity Characteristic Leaching Procedure (TCLP), EPA test method 1311
- Can be installed using trench or ground rod backfill methods

Unit Weight: 11.36 kg

Part Number	Article Number	Packaging
GEM25A	163670	Bag with handles
GEM25ABKT		Plastic bucket with locking lid

## INSPECTION HOUSING, HIGH DENSITY POLYETHYLENE (HDPE)



### FEATURES

- Pedestrian load rating
- Suitable for lighter load rating applications in turf
- Chemical, UV and corrosion resistant
- 3/8" x 1 3/4" (44 mm) stainless steel lock bolt included
- Boxes and covers nest in 3 1/4" (83 mm) increments
- Two 3 1/2" x 1 1/2" (89 x 38 mm) knockouts per box
- T416BH includes four additional holes in the cover to allow water to enter the inspection well, typically for use with chemical ground rods

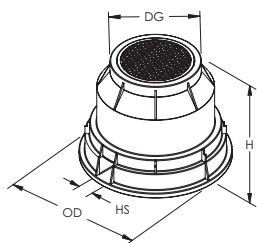
Material: High Density Polyethylene (HDPE)

Color: Green

Load Rating: 0.15 kg/cm<sup>2</sup>

Part Number	Diameter, Grade Level	Outer Diameter	Height	Unit Weight
T416B	260 mm	333 mm	254 mm	2 kg
T416BH	260 mm	333 mm	254 mm	2 kg

## INSPECTION HOUSING WITH CONDUIT CUTOUT, HIGH DENSITY POLYETHYLENE (HDPE)



### FEATURES

- Suitable for lighter load rating applications in turf
- Chemical, UV and corrosion resistant

Material: High Density Polyethylene (HDPE)

Color: Black

Load Rating: 0.15 kg/cm<sup>2</sup>

Part Number	Diameter, Grade Level	Outer Diameter	Height	Hole Size	Unit Weight
T416C	362 mm	619 mm	464 mm	70 mm	7.3 kg

## KEY FOR T416C INSPECTION HOUSING



### FEATURES

- Replacement key for the T416C Inspection Housing
- Useful for maintenance crews or inspectors in the field

Part Number	Unit Weight
T416CKEY	0.3 kg

## INSPECTION HOUSING, LIGHTWEIGHT POLYMER CONCRETE



### FEATURES

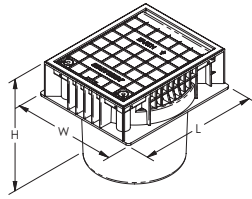
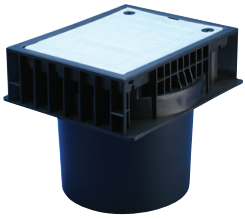
- Tier 15 Design Load of 15,000 lbs (6,804 kg) with a test load of 22,500 lbs (10,206 kg)
- Non-slip cover suitable for non-deliberate, incidental traffic
- Cuts with a standard hole saw, no concrete tools required

Material: Polymer Concrete

Part Number	Height	Length	Width	Unit Weight
T416A	457 mm	638 mm	411 mm	34 kg
T416D	305 mm	391 mm	391 mm	14 kg
T416E	457 mm	391 mm	391 mm	16 kg
T416F	584 mm	391 mm	391 mm	21 kg

Product specifications subject to change without notice.

## INSPECTION HOUSING, HIGH-IMPACT POLYPROPYLENE



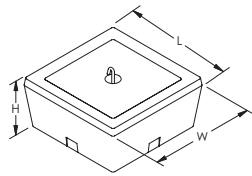
### FEATURES

- Offers a high level of protection for critical grounding terminations through the use of its lockable lid
- Easy-locking lid only opened with security key
- Ease of ground termination maintenance due to large working aperture
- Lightweight design allows easy handling, storage and transportation
- Suitable for both paving and hot tar applications
- UV-stabilized against degradation by sunlight
- Non-brittle to prevent cold weather damage
- Base designed to accommodate Grounding Busbar for Inspection Housing (545135)

Material: High-Impact Polypropylene

Part Number	Article Number	Height	Length	Width	Unit Weight
PIT03	710180	216 mm	241 mm	207 mm	1.3 kg

## INSPECTION HOUSING, CONCRETE



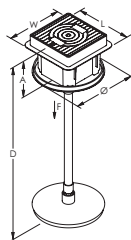
### FEATURES

- Concrete design for higher load rating
- Available with a central lifting hook
- Flush-fitting lid with plain surface minimizes slipping
- Suitable for most grounding and lightning protection installations
- Base designed to accept 545140 Grounding Busbar for Inspection Housings
- Square shape

Material: Concrete  
Color: Gray

Part Number	Article Number	Height	Length	Width	Unit Weight
IP900C	103450	152 mm	330 mm	330 mm	25.9 kg

## INSPECTION HOUSING, SEAL KIT



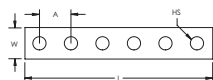
### FEATURES

- Prevents the ingress of ground water into and surrounding the inspection housing
- Waterproofing is achieved by enclosing an upper section of copper-bonded ground rod within a plastic pipe with seals located on both sides of the concrete pour
- The two plate-style flange serves to reduce pressure, which may occur from the capillary effect of water on the outside of the seal and inspection housing
- The flanges are intended to prevent water pressure from “popping” the inspection pit out of the concrete
- Delivered as a kit, including a 3.9 foot (1.2 meter) PVC pipe, to be adjusted to site conditions

Material: Thermoplastic

Part Number	Article Number	Length	Width	Depth	A	Diameter	Water Pressure	Working Load	Unit Weight
WGRS200	158922	248 mm	248 mm	1.4 m	210 mm	350 mm	550 kPa Max	6,000 kgf	4.3 kg

## GROUNDING BUSBAR FOR INSPECTION HOUSING



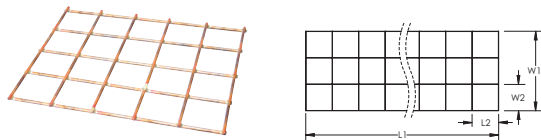
### FEATURES

- Grounding busbar for use in conjunction with ground rod inspection housings

Material: Copper

Part Number	Length	Width	Thickness	A	Hole Size	Number of Holes	Inspection Housing	Unit Weight
545530	150 mm	25 mm	5 mm	25 mm	10.5 mm	6	103470, 103480	0.167 kg
545135	200 mm	25 mm	5 mm	25 mm	10.5 mm	8	PIT03	0.222 kg
545140	300 mm	25 mm	5 mm	25 mm	10.5 mm	12	IP-900-C	0.333 kg

## GROUND MAT



### FEATURES

- Silver brazed joints (35% silver alloy brazing material) provide strength to resist separation during installation and bear the traffic of heavy vehicles
- Conductor spacing available in standard configurations
- Option to add center wire into the mat configuration is available
- Ground mats are laid flat onto pallets for shipping

Prefabricated ground mats, made of wire mesh, are ideal for systems designed for safety purposes to protect operators against “touch potentials” at manually operated disconnect switches.

Material: Copper, Copper-Bonded Steel

Part Number	Length 1	Width 1	Grid Spacing	Conductor Size	Center Wire Conductor Size	Overhang
MAT	2,400 mm Max	1.8 m Max	51 mm x 51 mm, 102 mm x 102 mm, 152 mm x 152 mm, 203 mm x 203 mm, 254 mm x 254 mm	#4 Solid Copper, #6 Solid Copper, #6 Copper-Clad Steel (30% or 40% Conductivity), #8 Solid Copper, #8 Copper-Clad Steel (30% or 40% Conductivity)	1/0 Solid or Stranded, 2/0 Solid or Stranded, 4/0 Solid or Stranded, 250 kcmil Stranded, 300 kcmil Stranded	Standard: Half Conductor Spacing + 2" (51 mm), With Center Wire, With Overhanging Center Wire

### Net Weight (kg) per Standard Mat

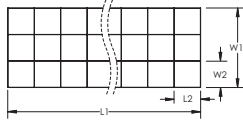
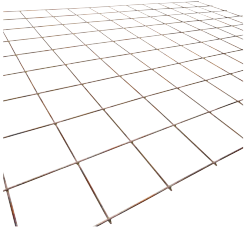
Conductor Size	Grid Spacing									
	51 x 51 mm		102 x 102 mm		152 x 152 mm		203 x 203 mm		305 x 305 mm	
Standard Mat Size (square meters)	1.2 x 1.2	1.2 x 1.8	1.2 x 1.2	1.2 x 1.8	1.2 x 1.2	1.2 x 1.8	1.2 x 1.2	1.2 x 1.8	1.2 x 1.2	1.2 x 1.8
#6 Copper-Clad Steel Wire	6.62 kg	9.84 kg	3.45 kg	5.08 kg	2.40 kg	3.49 kg	1.86 kg	2.72 kg	1.32 kg	1.91 kg
#8 Copper-Clad Steel Wire	4.17 kg	6.21 kg	2.18 kg	3.22 kg	1.50 kg	2.22 kg	1.18 kg	1.72 kg	0.86 kg	1.22 kg

Weights are for copper-clad steel wire. Add 10% for approximate weight of solid copper wire.

Mats are palletized for shipment. Add 22.67 kg per pallet for gross weight. Maximum of 100 mats per pallet.

W2 and L2 available in listed Grid Spacing only.

## GROUND MESH



Prefabricated ground mesh from nVent ERICO is a convenient, efficient and economical means of improving grounding systems at facilities with high voltage installations and wherever large area grounds are required. Equipotential mesh reduces step potentials at power plants and substations, and effectively minimizes ground plane fluctuations at communications antenna sites. Wire mesh is also an excellent ground screen, reflector and electronic shield for large facilities.

Material: Copper, Copper-Bonded Steel

### FEATURES

- Prefabricated ground mesh wound into a roll format for shipping
- Silver brazed joints (35% silver alloy brazing material) provide strength to resist separation during installation and bear the traffic of heavy vehicles
- Conductor spacing in many rectangular configurations up to 24" x 48" (610 mm x 1219 mm) in 2" (51 mm) increments
- Normally supplied in sections with standard overhang for interconnecting half conductor spacing + 2" (51 mm)

Part Number	Length 2	Width 1	Width 2	Conductor Size	Overhang	Unit Weight
MESH	51 – 610 mm	6.1 m Max	51 – 1,219 mm	#6 Solid Copper, #6 Copper-Clad Steel (30% or 40% Conductivity), #8 Solid Copper, #8 Copper-Clad Steel (30% or 40% Conductivity), #10 Solid Copper	Standard: Half Conductor Spacing + 2" (51 mm), None, Half Conductor Spacing	227 kg Max

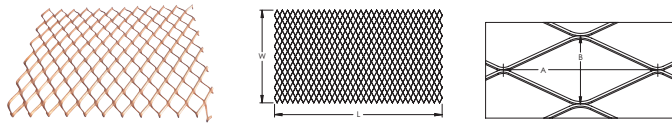
### Net Weight (kg) per 93 Square Meters (1,000 Square Feet)

Conductor Spacing (W2 x L2)	Copper-clad Steel Conductor (AWG)			Solid Copper Wire (AWG)		
	#6	#8	#10	#6	#8	#10
51 mm x 51 mm	403 kg	253 kg	159 kg	442 kg	276 kg	174 kg
102 mm x 102 mm	201 kg	127 kg	79 kg	221 kg	138 kg	87 kg
152 mm x 152 mm	134 kg	84 kg	53 kg	147 kg	92 kg	58 kg
203 mm x 203 mm	101 kg	63 kg	40 kg	110 kg	69 kg	44 kg
305 mm x 305 mm	67 kg	42 kg	27 kg	74 kg	46 kg	29 kg
610 mm x 610 mm	34 kg	21 kg	13 kg	41 kg	23 kg	15 kg

Add 34 kg per roll for approximate shipping weight.

Length 1 (L1) is unlimited, up to 500 lbs. (227 kg) maximum. Length 2 (L2) and Width 2 (W2) are available in 2" (51 mm) increments only.

## EXPANDED COPPER MESH



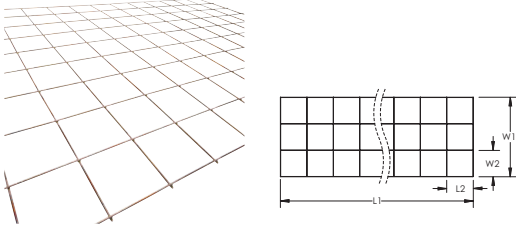
Material: Copper

### FEATURES

- Produced from copper plate and contains no welds or joints

Part Number	Length	Width	Thickness	A	B
EMMCU080X36X96A	2,438 mm	914 mm	2 mm	23.4 mm	51 mm

## POOL MESH



### FEATURES

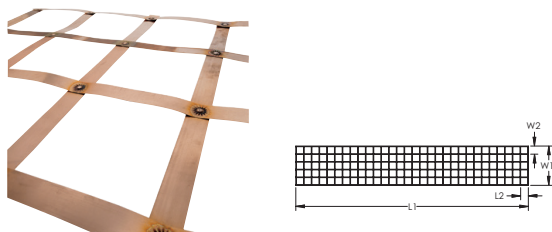
- Convenient, efficient and economical solution for equipotential bonding grids for swimming pool applications

The requirements for bonding and grounding permanently installed indoor and outdoor swimming pools are provided in Article 680 "Swimming Pools, Fountains and Similar Installations" of the 2005 Edition of the National Electrical Code (NEC®). All of the bonded parts in or around swimming pools must be attached to an equipotential bonding grid. This grid must extend 3' (0.91 m) beyond the inside surface of the pool under concrete, stone or other paved walking surfaces.

Material: Copper

Part Number	Length 1	Width 1	Grid Spacing	Conductor Size
POOLMESH250	15,200 mm	0.6 m	305 mm x 305 mm	#8 Solid
POOLMESH350	15,200 mm	0.9 m	305 mm x 305 mm	#8 Solid
POOLMESH2100	30,500 mm	0.6 m	305 mm x 305 mm	#8 Solid
POOLMESH3100	30,500 mm	0.9 m	305 mm x 305 mm	#8 Solid

## SIGNAL REFERENCE GRID



### FEATURES

- Provides a low impedance equipotential plane to protect sensitive electronic equipment from transient noise
- Pre-engineered welded grid of 26 gauge copper strips reduces voltage differences between interconnected electronic equipment
- Welded connections do not deteriorate, corrode or loosen with time
- Can be easily field-welded to suit any size computer room
- Complies with IEEE® Standard 1100-1992

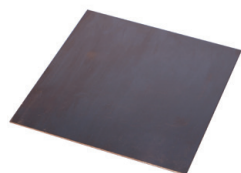


Material: Copper

Part Number	Article Number	Length 1	Width 1	Grid Spacing	Thickness	Strip Width
167900		36,570 mm	2.4 m	610 mm x 610 mm	0.4 mm	50.4 mm
SRGBD100	167901	30,500 mm	3.0 m	610 mm x 610 mm	0.4 mm	50.4 mm
SRGBE100	167902	30,480 mm	3.7 m	610 mm x 610 mm	0.4 mm	50.4 mm
SRGBG100	167904	30,480 mm	4.9 m	610 mm x 610 mm	0.4 mm	50.4 mm

Custom sizes available upon request. Contact your nVent ERICO representative for more information.

## COPPER GROUND PLATE

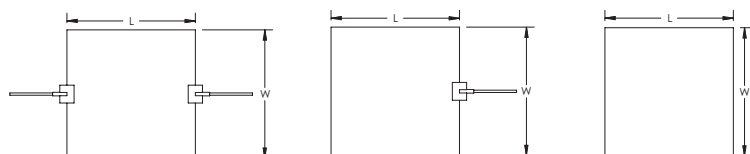


### FEATURES

- Provides a large surface area to dissipate current into the ground
- Available in a variety of sizes and pigtail configurations

GPE-C-E-A-H-024-1L-024-(T)		
GPE	Ground Plate Electrode	
C	Material	A: Steel (HRS M1020) B: Stainless Steel (SS304) C: Copper (C11000) D: Galvanized Steel
E	Pigtail Connection	C: Continuous (2 x "L J" Cadweld Connection) E: End ("L J" Cadweld Connection Style) N: No Pigtail
A	Plate Thickness Code (Stock Tolerance)	A: 1/32" (Min. for Lightning – Cu) B: 1/16" (Min. for Power – Cu) C: 3/32" D: 1/8" E: 1/4" (Min. for Power – Stl.) F: 3/8" G: 1/2" H: 1/64" (26 GA) J: 3/16"
H	Plate Width Code	A: 1" · B: 2" · C: 3" · D: 4" · E: 5" · F: 6" · G: 9" · H: 12" · J: 18" K: 24" · L: 30" · M: 36" · N: 42" · P: 48" · Q: 17" · R: 10"
24	Plate Length Code (inches) (3 digits required)	
1L*	Pigtail Cable Type (ERICO Cable Code)	
024*	Pigtail Length (inches)	
(T)*	Tinned	
GPECNBH012	None	

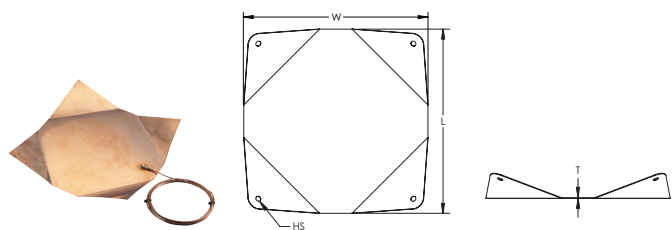
### Pigtail Connection



Material: Copper

Part Number	Width	Length	Pigtail Connection	Pigtail Length	Conductor Size	Thickness
<b>Finish: Bare</b>						
GPECNEB024	51 mm	610 mm	None			6.35 mm
GPECNED004	102 mm	102 mm	None			6.35 mm
GPECNED012	102 mm	305 mm	None			6.35 mm
GPECNED014	102 mm	356 mm	None			6.35 mm
GPECNED096	102 mm	2,438 mm	None			6.35 mm
GPECNDF006	152 mm	152 mm	None			3.18 mm
GPECNGF012	152 mm	305 mm	None			12.70 mm
GPECNEG024	229 mm	610 mm	None			6.35 mm
GPECEBH0121V024	305 mm	305 mm	End	610 mm	#2 Stranded	1.59 mm
GPECNBH012	305 mm	305 mm	None			1.59 mm
GPECNEH016	305 mm	406 mm	None			6.35 mm
GPECEBH0241K024	305 mm	610 mm	End	610 mm	#4 Solid	1.59 mm
GPECNBH024	305 mm	610 mm	None			1.59 mm
GPECNDH024	305 mm	610 mm	None			3.18 mm
GPECNFH033	305 mm	838 mm	None			9.53 mm
GPECEBQ0171G120	432 mm	432 mm	End	3,048 mm	#6 Solid	1.59 mm
GPECCBJ0181T024	457 mm	457 mm	Continuous	610 mm	#2 Solid	1.59 mm
GPECCBJ0181T060	457 mm	457 mm	Continuous	1,524 mm	#2 Solid	1.59 mm
GPECCBJ181T108S	457 mm	457 mm	Continuous	2,743 mm	#2 Solid	1.59 mm
GPECEAJ0181G024	457 mm	457 mm	End	610 mm	#6 Solid	0.79 mm
GPECNAJ018	457 mm	457 mm	None			0.79 mm
GPECEAJ0241G024	457 mm	610 mm	End	610 mm	#6 Solid	0.79 mm
710190	600 mm	600 mm	None			1.50 mm
710200	600 mm	600 mm	None			3.00 mm
GPECCDK0241L024	610 mm	610 mm	Continuous	610 mm	#4 Stranded	3.18 mm
GPECCEK0242C036	610 mm	610 mm	Continuous	914 mm	1/0 Stranded	6.35 mm
GPECEEK0242Q008	610 mm	610 mm	End	203 mm	4/0 Stranded	6.35 mm
GPECEAK0241G024	610 mm	610 mm	End	610 mm	#6 Solid	0.79 mm
GPECEAK0241H024	610 mm	610 mm	End	610 mm	#6 Stranded	0.79 mm
GPECEDK0241L024	610 mm	610 mm	End	610 mm	#4 Stranded	3.18 mm
GPECEEK0241T024	610 mm	610 mm	End	610 mm	#2 Solid	6.35 mm
GPECEDK0242Q036	610 mm	610 mm	End	914 mm	4/0 Stranded	3.18 mm
GPECEEK0242Q060	610 mm	610 mm	End	1,524 mm	4/0 Stranded	6.35 mm
GPECEEK0242Q120	610 mm	610 mm	End	3,048 mm	4/0 Stranded	6.35 mm
GPECEEK0242Q180	610 mm	610 mm	End	4,572 mm	4/0 Stranded	6.35 mm
GPECNAK024	610 mm	610 mm	None			0.79 mm
GPECNEK024	610 mm	610 mm	None			6.35 mm
GPECNFK024	610 mm	610 mm	None			9.53 mm
GPECNGK024	610 mm	610 mm	None			12.70 mm
GPECEEK0361T024	610 mm	914 mm	End	610 mm	#2 Solid	6.35 mm
710210	900 mm	900 mm	None			1.50 mm
504590	900 mm	900 mm	None			3.00 mm
GPECCAM0361H024	914 mm	914 mm	Continuous	610 mm	#6 Stranded	0.79 mm
GPECEAM0361H024	914 mm	914 mm	End	610 mm	#6 Stranded	0.79 mm
GPECCAM036	914 mm	914 mm	None			0.79 mm
GPECNEM040	914 mm	1,016 mm	None			6.35 mm
GPECNHM096	914 mm	2,438 mm	None			0.40 mm
504550	1,000 mm	2,000 mm	None			2.00 mm
GPECNEN040	1,067 mm	1,016 mm	None			6.35 mm
<b>Finish: Tinned</b>						
GPECNDK024T	610 mm	610 mm	None			3.18 mm
GPECEJK0361T24T	610 mm	914 mm	End	610 mm	#2 Solid	4.76 mm
GPECCDM0361T10T	914 mm	914 mm	Continuous	254 mm	#2 Solid	3.18 mm
GPECNDM036T	914 mm	914 mm	None			3.18 mm

## TAPE CONDUCTOR



### FEATURES

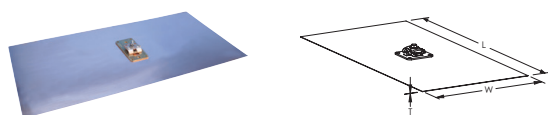
- Used to ground utility poles
- The corners of the ground plate are nailed into the base of the pole

Material: Copper

Part Number	Length	Width	Thickness	Hole Size	Conductor Size	Pigtail Included	Pigtail Length
<b>Finish: Bare – Type: Ground Plate, No Holes</b>							
GPECEHX1	431.8 mm	431.8 mm	1.63 mm		#6 Solid	Yes	3.05 m
GPECEHX3	431.8 mm	431.8 mm	1.63 mm		#2 Stranded	Yes	3.05 m
<b>Finish: Tinned – Type: Ground Plate With Holes</b>							
GPECEHX1T	431.8 mm	431.8 mm	1.63 mm	12.7 mm	#6 Solid	Yes	3.05 m

The pigtail for GPECEHX1T is tinned, but the plate itself is bare copper.

## COPPER GROUND PLATE WITH CABLE ATTACHMENTS



### FEATURES

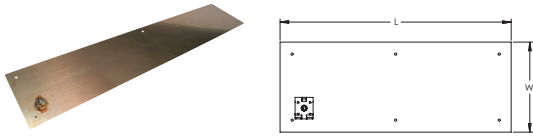
- Bonding plates provide mechanical attachment points to ground plate
- Listed to UL® 96

Material: Copper



Part Number	Width	Length	Thickness
<b>Number of Cable Attachments: 1</b>			
LPC753	304.8 mm	609.6 mm	0.81 mm
LPC754	457.2 mm	457.2 mm	0.81 mm
LPC755	914.4 mm	914.4 mm	0.81 mm
<b>Number of Cable Attachments: 2</b>			
LPC750	304.8 mm	609.6 mm	0.81 mm
LPC751	457.2 mm	457.2 mm	0.81 mm
LPC752	914.4 mm	914.4 mm	0.81 mm
LPC756	609.6 mm	609.6 mm	0.81 mm

## COPPER UTILITY GROUND PLATE

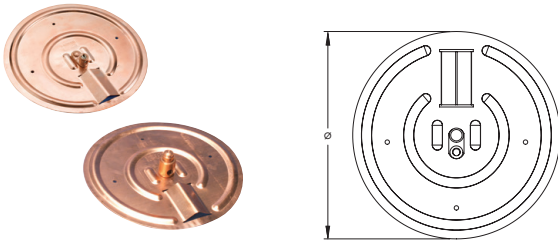


### FEATURES

- Provides a large surface area to dissipate current into the ground
- Wrap around the bottom of a utility pole to install

Part Number	Connector	Length	Width	Thickness	Standard Packaging Quantity
UGP719SBP5	ESB2 Split Bolt	489 mm	191 mm	1.59 mm	5 pc
UGP738SBP5	ESB2 Split Bolt	978 mm	191 mm	1.59 mm	5 pc
UGP719	SRGC46	489 mm	191 mm	1.59 mm	1 pc
UGP719BP5	SRGC46	489 mm	191 mm	1.59 mm	5 pc
UGP738	SRGC46	978 mm	191 mm	1.59 mm	1 pc
UGP738P10	SRGC46	978 mm	191 mm	1.59 mm	10 pc
UGP738P5	SRGC46	978 mm	191 mm	1.59 mm	5 pc

## COPPER UTILITY POLE BOTTOM PLATE



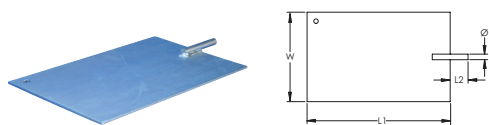
### FEATURES

- Integrated connector provides a convenient method for terminating the grounding conductor
- Quick and easy installation
- Cost-effective ground electrode solution
- Manufactured of corrosion-resistant electrolytic copper
- Construction meets the requirements of the NESC®
- Fix cable and nail to base before raising pole

Material: Copper

Part Number	Connector	Conductor Size	Diameter	Thickness
EGP100	Lug	#14 Solid - #4 Stranded, 2.5 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded	191 mm	0.64 mm
EGP100HL	Hammerlock	#14 Solid - #4 Stranded, 2.5 mm <sup>2</sup> Stranded - 16 mm <sup>2</sup> Stranded	191 mm	0.64 mm

## STEEL GROUND PLATE



### FEATURES

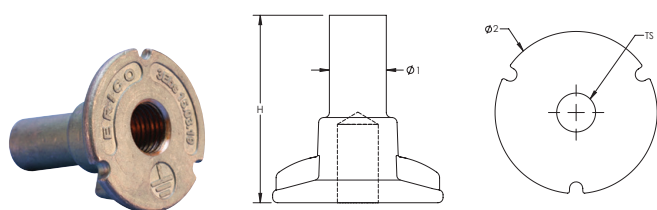
- Provides a large surface area to dissipate current into the ground
- Includes a welded steel rod pigtail

Material: Steel



Part Number	Connector	Length 1	Length 2	Width	Thickness	Diameter	Certifications
<b>Finish: ElectroGalvanized</b>							
EGGP	None	406 mm	51 mm	254 mm	6.35 mm	15.9 mm	C-CSA-US
EGGPC	HDC58	406 mm	51 mm	254 mm	6.35 mm	15.9mm	C-CSA-US
<b>Finish: Plain</b>							
EBGP	None	406 mm	51 mm	254 mm	6.35 mm	15.9 mm	

## DB EARTHPOINT, ONE STUD



### FEATURES

- Preferential bonding earthpoint
- Enables production of the earthbridge using Cadweld Exothermic connections to attach to a round solid, round stranded, or flat conductor made of copper or steel
- Nuts and bolts are supplied unassembled
- A plastic cap is installed on the threaded hole to protect against concrete intrusion

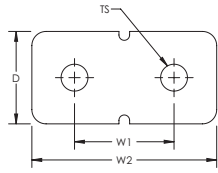
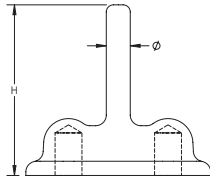
Grounding and bonding are an integral part of any modern electrical protection system design. An effective ground system is a key element of this. An equipotential bond between all current-carrying elements in a structure and earth is required for personnel safety in case of catenary failure, for instance.

Material: Copper

Part Number	Article Number	Height	Diameter 1	Diameter 2	Thread Size	Standard Packaging Quantity
DB10A	166120	55 mm	16 mm	50 mm	M10	5 pc
DB10ABLK		55 mm	16 mm	50 mm	M10	60 pc
DB12A	166150	55 mm	16 mm	50 mm	M12	5 pc
DB12ABLK		55 mm	16 mm	50 mm	M12	60 pc
DB16A	166180	55 mm	16 mm	50 mm	M16	5 pc
DB16ABLK		55 mm	16 mm	50 mm	M16	60 pc

Assemblies require conductors and Cadweld connections, which must be ordered separately.

## B162 EARTHPOINT, TWO STUD



### FEATURES

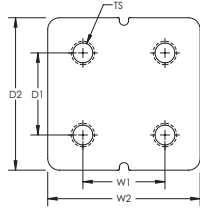
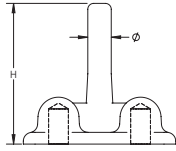
- Long-lasting design
- Low ground resistance and impedance
- Superior electrical conductivity and resistance to corrosion
- Electrically and mechanically robust and reliable
- Easy to install as a Prefabricated Earthbridge once Cadweld welded to a piece of conductor

Material: Steel

Part Number	Width 1	Width 2	Depth	Height	Diameter	Thread Size
<b>Material: Brass</b>						
B1622Q	44.5 mm	82.6 mm	41.28 mm	76.2 mm	13.5 mm	1/2 UNC
<b>Material: Copper</b>						
B16212A	166210	44.5 mm	85.0 mm	45.00 mm	70.0 mm	M12

Assemblies require conductors and Cadweld connections, which must be ordered separately.

## B161/B164 EARTHPOINT, FOUR STUD



### FEATURES

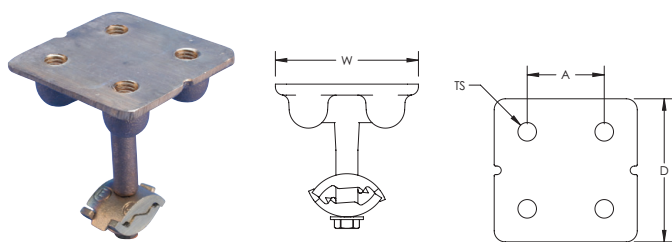
- Long-lasting design
- Low ground resistance and impedance
- Superior electrical conductivity and resistance to corrosion
- Electrically and mechanically robust and reliable
- Easy to install as a Prefabricated Earthbridge once Cadweld welded to a piece of conductor

Material: Copper

Part Number	Width 1	Width 2	Depth 1	Depth 2	Height	Diameter	Thread Size
<b>Material: Brass</b>							
B1612Q	31.8 mm	63.5 mm	25.4 mm	57.2 mm	76.2 mm	13.5 mm	3/8 UNC
B1613Q	31.8 mm	63.5 mm	25.4 mm	57.2 mm	76.2 mm	21.0 mm	3/8 UNC
B1642Q	44.5 mm	82.6 mm	44.5 mm	82.6 mm	76.2 mm	13.5 mm	1/2 UNC
B1643Q	44.5 mm	82.6 mm	44.5 mm	82.6 mm	76.2 mm	21.0 mm	1/2 UNC
<b>Material: Copper</b>							
B16110B	166030	30.0 mm	65.0 mm	30.0 mm	65.0 mm	14.0 mm	M10
B16412A	166060	44.5 mm	85.0 mm	44.5 mm	85.0 mm	70.0 mm	M12

Assemblies require conductors and Cadweld connections, which must be ordered separately.

## GROUND POINT



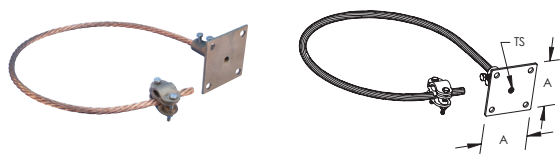
### FEATURES

- Cast grounding plate for equipment, machinery, or structure grounding points
- May be installed flush in concrete floor or wall
- Cable connection under bolt tension

Material: Brass

Part Number	Conductor Size, UL	Thread Size	Depth	Width	A	Unit Weight
LPC682	Class 1 - Class 2 (4/0 Max)	1/2 UNC	82.55 mm	82.55 mm	44.45 mm	0.696 kg

## REBAR BONDING KIT, SINGLE CONNECTION



### FEATURES

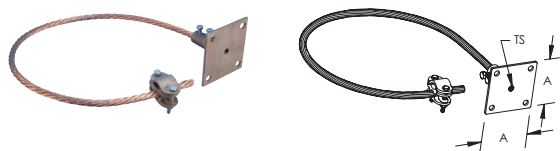
- Kit includes Rebar Bonding Plate, Rebar Bonding Clamp and conductor
- Provides ground system connection points in concrete structures
- Used for equipment, machinery and structure grounding
- A plastic cap is installed on the threaded hole to protect against concrete intrusion

Material: Brass, Copper



Part Number	Conductor Type	Cable Length	Thread Size	A	Unit Weight
LPC467X1	LPC401	0.9 m	1/2 UNC	101.6 mm	1.090 kg
LPC46740X1	LPC404	0.9 m	1/2 UNC	101.6 mm	1.462 kg

## REBAR BONDING KIT, DUAL CONNECTION



### FEATURES

- Kit includes Rebar Bonding Plate, two Rebar Bonding Clamps and two conductors
- Provides ground system connection points in concrete structures
- Used for equipment, machinery and structure grounding

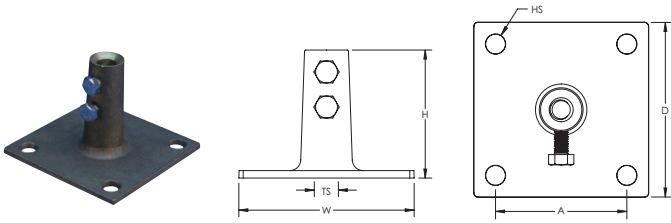
Material: Brass, Copper



Part Number	Conductor Type	Cable Length	Thread Size	A	Unit Weight
LPC467X2	LPC401	0.9 m	1/2 UNC	101.6 mm	1.88 kg
LPC46740X2	LPC404	0.9 m	1/2 UNC	101.6 mm	2.63 kg

Cable Length represents the length of a single conductor.

## REBAR BONDING PLATE



### FEATURES

- Provides ground system connection points in concrete structures
- Used for equipment, machinery and structure grounding

Material: Brass



Part Number	Conductor Size	Thread Size	Depth	Height	Width	A	Hole Size	Unit Weight
LPC467	2/0 Stranded - 4/0 Stranded	1/2 UNC	101.6 mm	74.17 mm	101.6 mm	76.2 mm	11.43 mm	0.292 kg

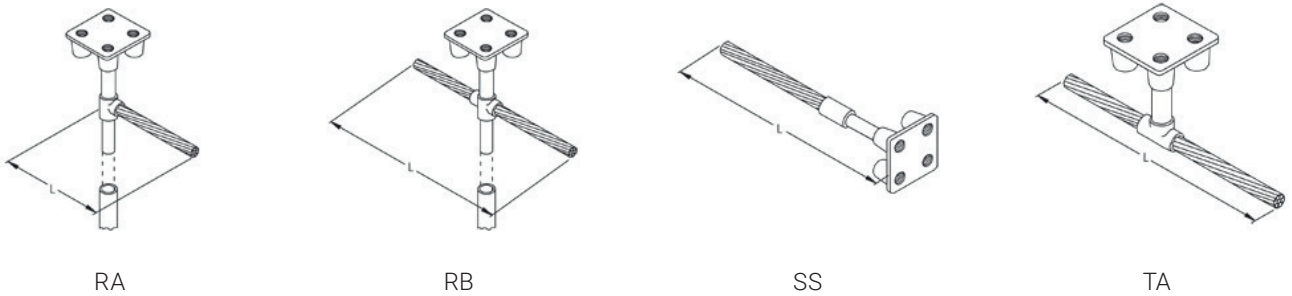
## GROUND POINT ASSEMBLY



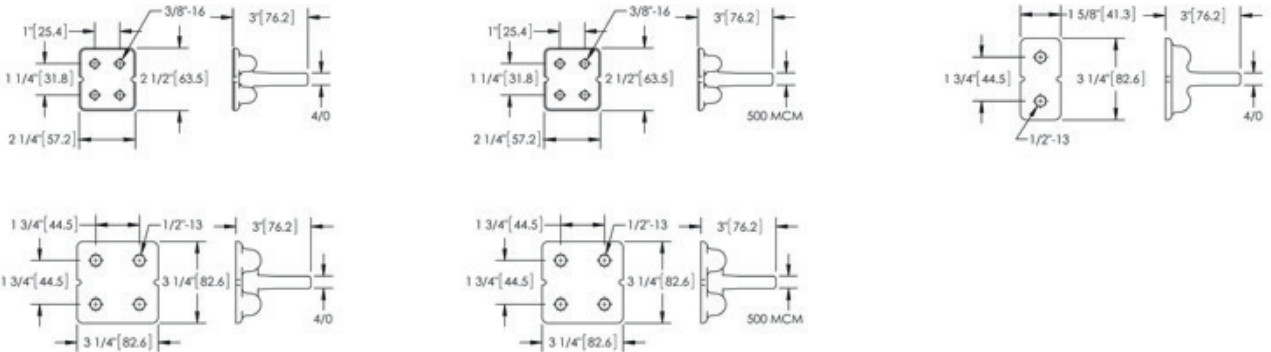
### FEATURES

- Convenient ground system connection points in concrete structures
- Used for equipment, machinery and structure grounding
- Results in maximum current-carrying capacity equal to the cross-sectional area of the conductor or stud
- The Cadweld connection between the stud and pigtail will not loosen or corrode

## GROUND PLATE CONFIGURATION



## GROUND PLATE CONFIGURATION



**B530-A-2Q-72**

B530	Ground Plate Configuration	B530 = RA B531 = RB B532 = SS B533 = TA
A	Ground Plate Part Number	A = B1612Q B = B1613Q C = B1622Q D = B1642Q E = B1643Q
2Q	Cable Code	1G = #6 Solid 1L = #4 Stranded 1V = #2 Stranded 2C = 1/0 Stranded 2G = 2/0 Stranded 2Q = 4/0 Stranded 2V = 250 MCM Stranded 3D = 350 MCM Stranded 3Q = 500 MCM Stranded
72	Cable Length (inches)	

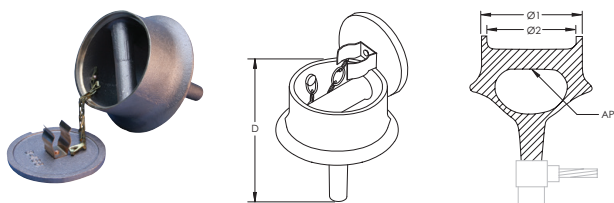
Material: Copper Alloy

Part Number	Ground Plate Configuration	Ground Plate Part Number	Conductor Size	Cable Length
B530A1L12	RA	B1612Q	#4 Stranded	305 mm
B530A1V12	RA	B1612Q	#2 Stranded	305 mm
B530A2Q48	RA	B1612Q	4/0 Stranded	1,219 mm
B530A2Q72	RA	B1612Q	4/0 Stranded	1,829 mm
B530B2G24	RA	B1613Q	2/0 Stranded	610 mm
B530C1L048	RA	B1622Q	#4 Stranded	1,219 mm
B530C2C24	RA	B1622Q	1/0 Stranded	610 mm
B530C2G48	RA	B1622Q	2/0 Stranded	1,219 mm
B530C2Q36	RA	B1622Q	4/0 Stranded	914 mm
B530C2Q48	RA	B1622Q	4/0 Stranded	1,219 mm
B530C2Q96	RA	B1622Q	4/0 Stranded	2,438 mm
B530D2C48	RA	B1642Q	1/0 Stranded	1,219 mm
B530D2G18	RA	B1642Q	2/0 Stranded	457 mm
B530D2G180	RA	B1642Q	2/0 Stranded	4,572 mm
B530D2G24	RA	B1642Q	2/0 Stranded	610 mm
B530D2G48	RA	B1642Q	2/0 Stranded	1,219 mm
B530D2Q12	RA	B1642Q	4/0 Stranded	305 mm
B530D2Q120	RA	B1642Q	4/0 Stranded	3,048 mm
B530D2Q144	RA	B1642Q	4/0 Stranded	3,658 mm
B530D2Q180	RA	B1642Q	4/0 Stranded	4,572 mm
B530D2Q24	RA	B1642Q	4/0 Stranded	610 mm
B530D2Q32	RA	B1642Q	4/0 Stranded	813 mm
B530D2Q36	RA	B1642Q	4/0 Stranded	914 mm
B530D2Q48	RA	B1642Q	4/0 Stranded	1,219 mm
B530D2Q72	RA	B1642Q	4/0 Stranded	1,829 mm
B530D2Q96	RA	B1642Q	4/0 Stranded	2,438 mm
B531A2Q36	RB	B1612Q	4/0 Stranded	914 mm
B531D2G24	RB	B1642Q	2/0 Stranded	610 mm
B531D2Q12	RB	B1642Q	4/0 Stranded	305 mm
B531D2Q120	RB	B1642Q	4/0 Stranded	3,048 mm
B531D2Q144	RB	B1642Q	4/0 Stranded	3,658 mm
B531D2Q24	RB	B1642Q	4/0 Stranded	610 mm
B531D2Q48	RB	B1642Q	4/0 Stranded	1,219 mm
B531D2Q6	RB	B1642Q	4/0 Stranded	152 mm
B531D2Q72	RB	B1642Q	4/0 Stranded	1,829 mm
B531D2Q96	RB	B1642Q	4/0 Stranded	2,438 mm

Part Number	Ground Plate Configuration	Ground Plate Part Number	Conductor Size	Cable Length
B532A2Q48	SS	B1612Q	4/0 Stranded	1,219 mm
B532C2G24	SS	B1622Q	2/0 Stranded	610 mm
B532C2G60	SS	B1622Q	2/0 Stranded	1,524 mm
B532C2Q240	SS	B1622Q	4/0 Stranded	6,096 mm
B532C2Q48	SS	B1622Q	4/0 Stranded	1,219 mm
B532C2V48	SS	B1622Q	250 kcmil Stranded	1,219 mm
B532C3Q48	SS	B1622Q	500 kcmil Stranded	1,219 mm
B532D1L48	SS	B1642Q	#4 Stranded	1,219 mm
B532D1V36	SS	B1642Q	#2 Stranded	914 mm
B532D2C24	SS	B1642Q	1/0 Stranded	610 mm
B532D2C36	SS	B1642Q	1/0 Stranded	914 mm
B532D2G12	SS	B1642Q	2/0 Stranded	305 mm
B532D2G48	SS	B1642Q	2/0 Stranded	1,219 mm
B532D2Q36	SS	B1642Q	4/0 Stranded	914 mm
B532D2Q40	SS	B1642Q	4/0 Stranded	1,016 mm
B532D2Q48	SS	B1642Q	4/0 Stranded	1,219 mm
B532D2Q50	SS	B1642Q	4/0 Stranded	1,270 mm
B532D2Q72	SS	B1642Q	4/0 Stranded	1,829 mm
B532E3D96	SS	B1643Q	350 kcmil Stranded	2,438 mm
B532E3Q48	SS	B1643Q	500 kcmil Stranded	1,219 mm
B532E3Q96	SS	B1643Q	500 kcmil Stranded	2,438 mm
B533A2G48	TA	B1612Q	2/0 Stranded	1,219 mm
B533A2Q24	TA	B1612Q	4/0 Stranded	610 mm
B533C2Q48	TA	B1622Q	4/0 Stranded	1,219 mm
B533D2Q12	TA	B1642Q	4/0 Stranded	305 mm
B533D2Q24	TA	B1642Q	4/0 Stranded	610 mm
B533D2Q48	TA	B1642Q	4/0 Stranded	1,219 mm

Custom lengths available.

## AIRCRAFT GROUNDING RECEPTACLE WITH BAR ATTACHMENT POINT



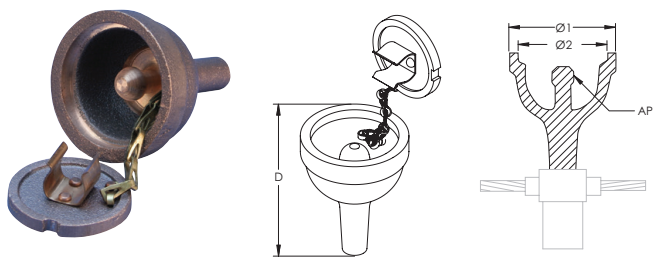
### FEATURES

- Castings for use in static grounding systems of refueling areas
- Suitable as a combination tie down and static ground point
- Easily connected to grounding system conductor and/or ground rods
- Designed for simple installation with flush paved surfaces
- Compatible with Cadweld connections

Material: Phosphor Bronze

Part Number	Article Number	Diameter 1	Diameter 2	Depth	Attachment Point	Pipe Size	Connection Type
B166	165220	98 mm	92 mm	158.8 mm	19 mm Diameter Bar	1/2"	RA, RB
B167	165230	120 mm	112 mm	184.2 mm	38 mm Diameter Bar	1/2"	RA, RB

## AIRCRAFT GROUNDING RECEPTACLE WITH BALL STUD



### FEATURES

- Castings for use in static grounding systems of refueling areas
- Easily connected to grounding system conductor and/or ground rods
- Designed for simple installation with flush paved surfaces
- Compatible with Cadweld connections

Material: Phosphor Bronze

Part Number	Article Number	Diameter 1	Diameter 2	Depth	Attachment Point	Pipe Size	Connection Type
B165	165180	69.9 mm	55.6 mm	114.3 mm	Permanent 16 mm Ball Stud	1/2"	RA, RB
B165R		69.9 mm	55.6 mm	114.3 mm	Removable 16 mm Ball Stud	1/2"	RA, RB

## AIRCRAFT GROUNDING RECEPTACLE REPLACEMENT BALL STUD



### FEATURES

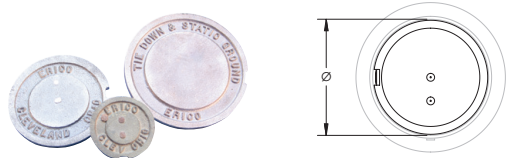
- Replacement ball stud for B165R Aircraft Grounding Receptacle

Material: Phosphor Bronze

#### Part Number

B165RS

## AIRCRAFT GROUNDING RECEPTACLE REPLACEMENT COVER



### FEATURES

- Replacement covers available for Aircraft Grounding Receptacles
- Includes cover only, without chain or spring clip

Material: Phosphor Bronze

Part Number	For Use With	Diameter
B165B	B165 and B165R	55.6 mm
B166B	B166	92.0 mm
B167B	B167	112.0 mm

## AIRCRAFT GROUNDING RECEPTACLE FOR THREADED GROUND RODS



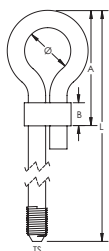
### FEATURES

- Castings for use in static grounding systems of refueling areas
- Designed for simple installation with flush paved surfaces
- Standard pin connection
- Chain-retained cover plate
- Couple directly to 3/4" (nominal) threaded or extension rod
- LPC681 includes spring clip to secure the cover plate
- Listed to UL® 96

Material: Bronze

Part Number	Diameter	Height	Attachment Point	Spring Clip Included
LPC680	69.9 mm	88.9 mm	Permanent 19 mm Ball Stud	No
LPC681	69.9 mm	88.9 mm	Permanent 19 mm Ball Stud	Yes

## AIRCRAFT GROUNDING TIE DOWN



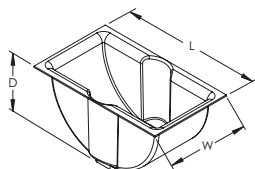
### FEATURES

- Used as an attachment point for static grounding

Material: Copper-Bonded Steel, Bronze

Part Number	Article Number	Diameter	Length	Thread Size	A	B
663400	663400	50.8 mm	3,048 mm	3/4 UNC	127 mm	25.4 mm

## AIRCRAFT GROUNDING TIE DOWN MOLD



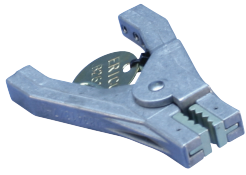
### FEATURES

- Plastic mold for making depression in concrete pour around loop in Aircraft Grounding Tie Down

Material: High-Impact Polystyrene

Part Number	Length	Width	Depth
DM5834	152 mm	76 mm	74 mmv

## AIRCRAFT GROUNDING CLAMP



### FEATURES

- Fits ground rods up to 3/4" nominal and Aircraft Grounding Receptacles B165 and B166
- Cast aluminum construction with plated steel jaws
- Aviation industry standard for bonding and grounding aircraft and refueling vehicles
- Ideal for attaching to landing gear, posts, ground balls, ground rods and other curved unpainted surfaces
- Complies with Mil Spec M83413/7-1

Material: Aluminum, Steel

Part Number	Article Number	Jaw Opening	Throat Depth	Harness Included
B2617A	165620	19 mm Max	19.2 mm	No

## STATIC GROUNDING CLAMP FOR DRUMS



### FEATURES

- Designed specifically for grounding or bonding small containers, drums, totes, machinery or personnel in areas containing flammable liquids or dust
- Plier-type clamp has a die cast aluminum body with two stainless steel points and a hefty 55 pound (25 kg) spring compression
- Design allows the clamp to penetrate multiple layers of paint or corrosion build-up so that proper contact is made to bare metal

Material: Aluminum, Stainless Steel 416 (EN 1.4005)



Part Number	Article Number	Jaw Opening	Throat Depth	Harness Included
B2610A	165410	25.4 mm Max	25.4 mm	No

## STATIC GROUNDING CABLE REEL, BARE CABLE



### FEATURES

- Includes a stop at the end of the retractable cable
- Typically used with B2610A Static Grounding Clamp For Drums (sold separately)

Material: Material: Steel  
Finish: Electrogalvanized

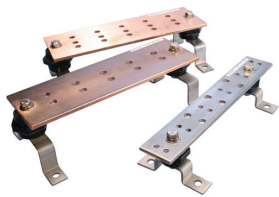
Part Number	Article Number	Product	Diameter	Length
B2618A		Cable for grounding flammable drums and totes	2.4 mm	6.1 m
B2618B	165400	Cable for grounding tanker trucks and rail cars	2.4 mm	15.2 m

Containers with flammable liquid should remain closed until bonding and grounding is complete, because an initial spark may occur during the connection of grounding equipment which could ignite vapors or gases.



# Grounding Busbars

## EARTHING BUSBAR - ELECTRICAL BUSBAR



### FEATURES

- Provides a convenient, single-point grounding and bonding location
- Conductors are welded to the bar using a Cadweld exothermic connection or are mechanically fastened by using lugs
- Custom bars can be designed and manufactured to customer specifications

## EARTHING BUSBAR



### FEATURES

- Provides a convenient, single-point grounding and bonding location
- Conductors are welded to the bar using a Cadweld exothermic connection or are mechanically fastened by using lugs
- Custom bars can be designed and manufactured to customer specifications

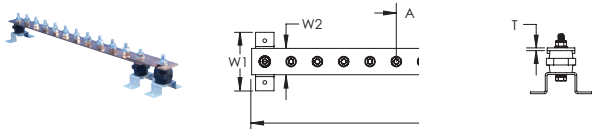
Material: Copper

Busbar Configuration: Busbar, Insulators, Brackets and Fasteners

Part Number	Article Number	Hole Pattern	Mounting Hole Size	Length	Width	Thickness	Tin Plating	Pigtail Included
SEB-06	545010	EE	11.1 mm	400 mm	50 mm	5 mm	No	No
545020	545020	EE	11.1 mm	475 mm	50 mm	5 mm	No	No
SEB06DL	–	EE	11.1 mm	475 mm	50 mm	5 mm	No	No
SEB08	–	EE	11.1 mm	500 mm	50 mm	5 mm	No	No
SEB-10	545030	EE	11.1 mm	600 mm	50 mm	5 mm	No	No

Diagrams are representative of the hole pattern. The number of holes is dependent on the length of the grounding busbar. Additional configurations are available by special order. Note special orders may incur additional lead time.

## EARTH BAR WITH DISCONNECT LINK



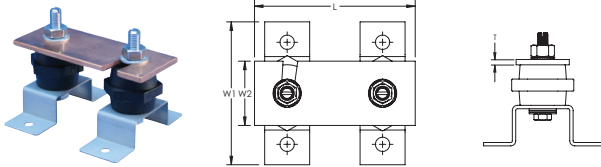
### FEATURES

- Allows for quick and easy disconnection of one part of the earthing system from another in order to facilitate inspection
- Provides a convenient, single-point earthing and bonding location
- Features copper bar, galvanized steel mounting brackets, halogen-free polyamide insulators, and zinc-plated steel hardware
- Recommended for indoor use only

Material: Copper; Steel; Polyamide

Part Number	Article Number	Hole Pattern	Mounting Hole Size	Length 1L1	Length 2L2	Width 1W1	Width 2W2	Thickness T	A
SEB-10-DL	545040	EE	11.1 mm	675 mm	125 mm	100 mm	50 mm	5 mm	50 mm

# EARTH BAR DISCONNECT LINK



## FEATURES

- Allows for quick and easy disconnection of one part of the earthing system from another in order to facilitate inspection
- Provides a convenient, single-point earthing and bonding location
- Features copper bar, galvanized steel mounting brackets, halogen-free polyamide insulators, and zinc-plated steel hardware

Material: Copper; Steel; Polyamide

Part Number	Article Number	Hole Pattern	Mounting Hole Size	LengthL	Width 1W1	Width 2W2	ThicknessT
DLUNI	545000	NN	11 mm	125 mm	100 mm	50 mm	5 mm

**E G B A 1 4 4 1 2 C C T 1 T K**

ERICO Ground Bar Designator

Configuration  
 A = Insul & Brkt    C = None (Bar only)  
 B = Brkt only        D = Insul only

Thickness  
 18 = 3.2mm (1/8")    58 = 15.9mm (5/8")  
 38 = 9.5mm (3/8")    14 = 6.3mm (1/4")  
 12 = 12.7mm (1/2")    34 = 19mm (3/4")

Width  
 1 = 25.4mm (1")    4 = 101.6mm (4")    7 = 177.8mm (7")  
 2 = 50.8mm (2")    5 = 127mm (5")    8 = 203.2mm (8")  
 3 = 76.2mm (3")    6 = 152.4mm (6")    9 = 228.6mm (9")

Pig Tail Length Ft. (Empty if none)  
 A = 1 (30mm)    G = 7 (213mm)    N = 16 (488mm)    U = 26 (792mm)  
 B = 2 (61mm)    H = 8 (244mm)    O = 17 (518mm)    V = 27 (823mm)  
 C = 3 (91mm)    J = 9 (274mm)    P = 18 (549mm)    W = 32 (975mm)  
 D = 4 (122mm)    K = 10 (305mm)    Q = 19 (579mm)    X = 34 (1036mm)  
 E = 5 (152mm)    L = 11 (335mm)    S = 24 (732mm)    Y = 36 (1097mm)  
 F = 6 (183mm)    M = 12 (366mm)    T = 25 (762mm)    Z = 38 (1158mm)

Cable Code (Empty if none)  
 1K = #4 Sol Tin    2C = 1/0    2V = 250 KCM  
 1T = #2 Sol Tin    SG = 2/0    3D = 350 KCM  
                           2L = 3/0    3Q = 500 KCM  
                           2Q = 4/0    4L = 750 KCM

Tin Plating (Empty if none)  
 T = Tinned

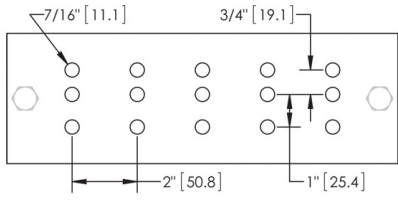
Hole Pattern

Length (rounded to the nearest inch, to 3657.6mm (144") max.)

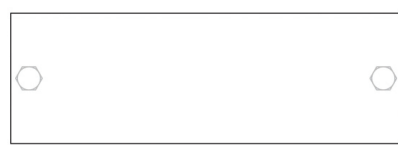
Chart Conversion  
 1/4" = 6.4mm    3/8" = 9.5mm    1/2" = 12.7mm    1" = 25.4mm  
 2" = 50.8mm    2" = 50.8mm    4" = 101.6mm

## EGB-A-14-4-12-CC-T-1T-K

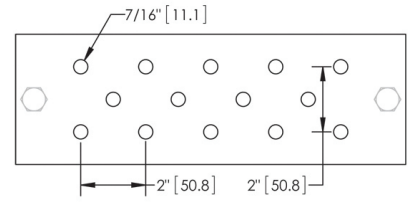
EGB	Grounding Busbar Designation	
A	Configuration	A = Busbar, Insulators and Brackets B = Busbar and Brackets C = Busbar Only D = Busbar and Insulators
14	Thickness (")	18 = 3.2mm (1/8") · 14 = 9.5mm (1/4") · 38 = 15.9mm (3/8") · 12 = 6.3mm (1/2") · 58 = 12.7mm (5/8") · 34 = 19mm (3/4")
4	Width (")	
12	Length (")	Rounded to the nearest inch, 3657.6mm (144") max
CC	Hole Pattern	Diagrams are representative of the hole pattern. The number of holes is dependent on the length of the grounding busbar.
T*	Tin Plating	
1T*	Cable Code	1K = #4 Sol Tin · 1T = #2 Sol Tin 2C = 1/0 · 2G = 2/0 · 2L = 3/0 · 2Q: 4/0 2V = 250 kcmil · 3D = 350 kcmil · 3Q = 500 kcmil · 4L = 750 kcmil
K*	Pigtail Length (")	A = 1 (30mm) · B = 2 (61mm) · C = 3 (91mm) · D = 4 (122mm) · E = 5 (152mm) · F = 6 (183mm) · G = 7 (213mm) · H = 8 (244mm) · J = 9 (274mm) · K = 10 (305mm) · L = 11 (335mm) · M = 12 (366mm) · N = 16 (488mm) · O = 17 (518mm) · P = 18 (549mm) · Q = 19 (579mm) · S = 24 (732mm) · T = 25 (762mm) · U = 26 (792mm) · V = 27 (823mm) · W = 32 (975mm) · X = 34 (1036mm) · Y = 36 (1097mm) · Z = 38 (1158mm)



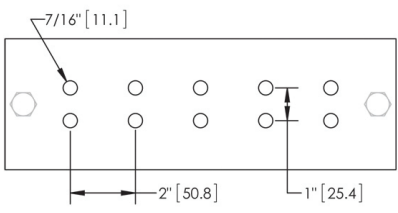
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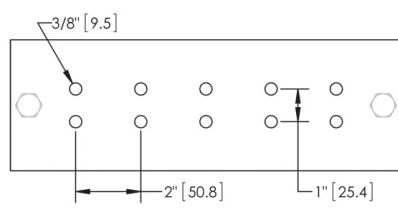
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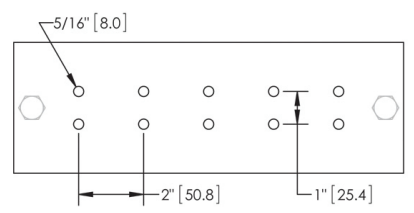
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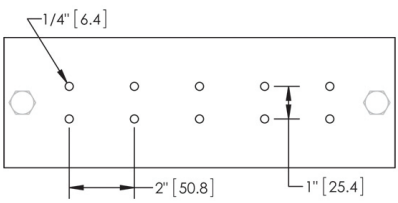
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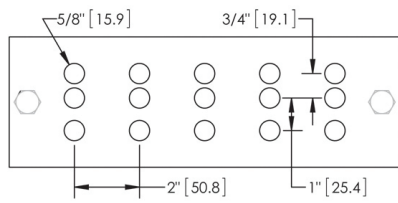
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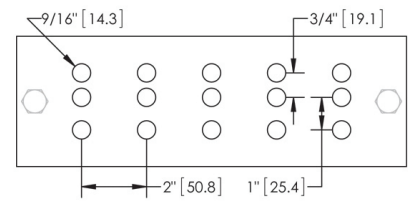
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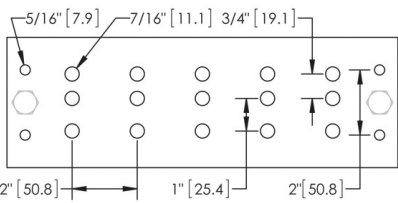
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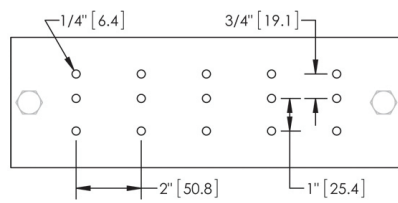
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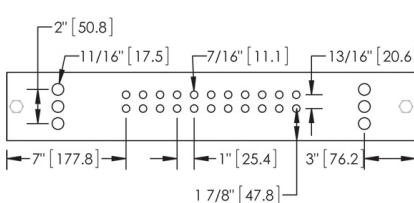
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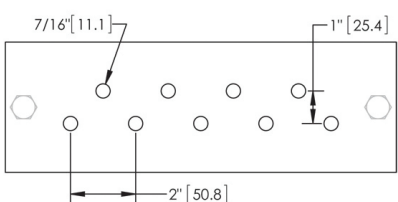
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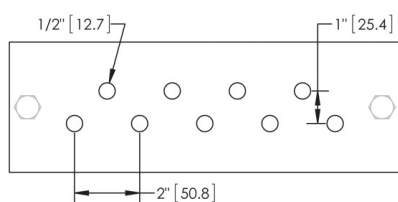
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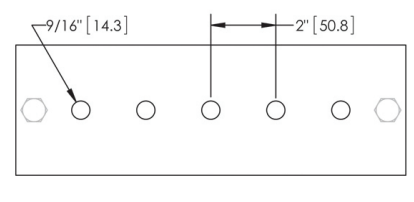
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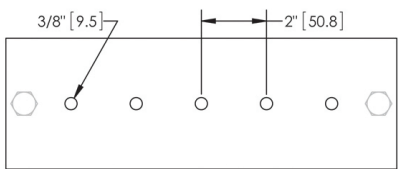
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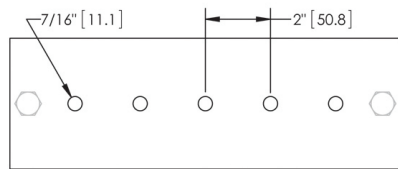
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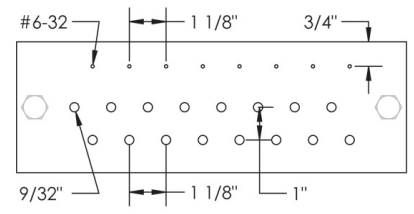
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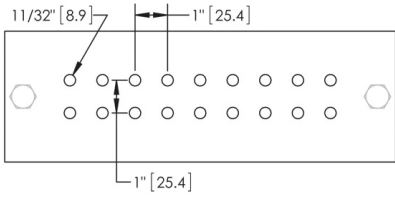
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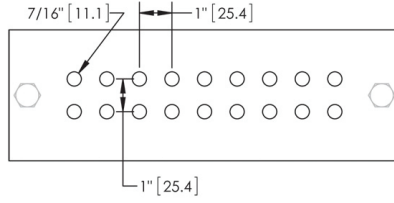
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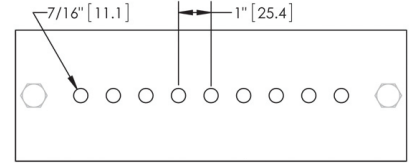
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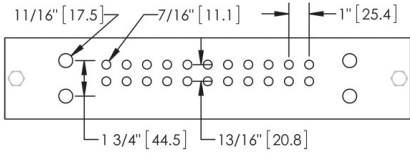
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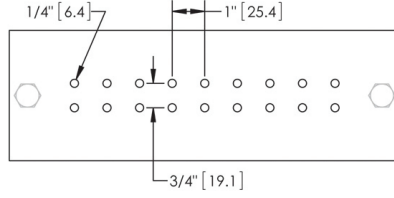
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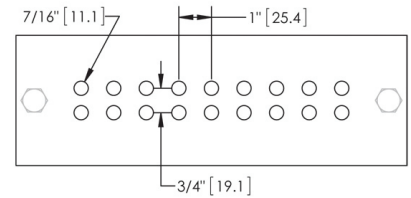
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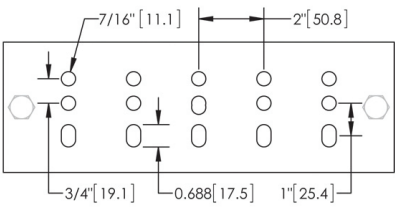
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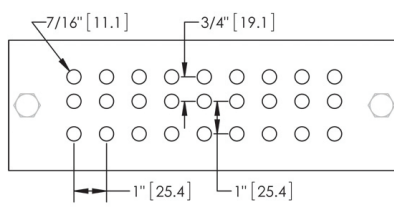
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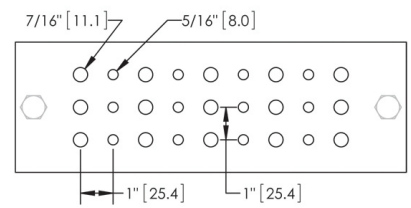
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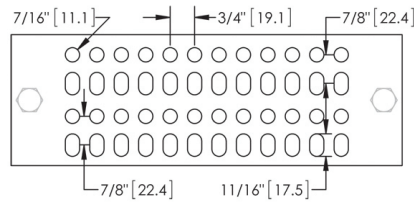
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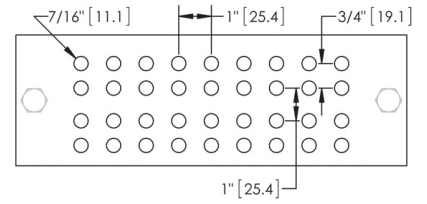
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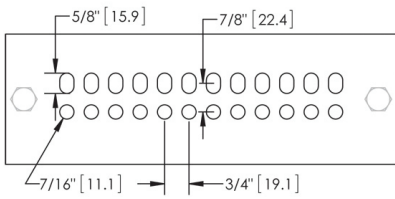
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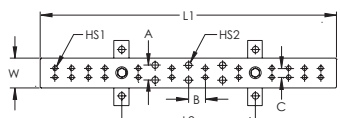
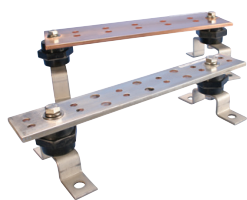


RR



SS

## TELECOM GROUNDING BUSBAR



### FEATURES

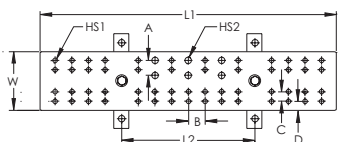
- Meets TIA-607-C and conforms to BICSI® recommendations
- Complies with NEMA® standards
- Accepts two hole lugs with 5/16" or 7/16" bolt holes (hardware not included)
- Telecom grounding busbar splice kits are available to extend the length of the busbar

Material: Copper  
Width: 50.8 mm  
Thickness: 6.35 mm



Part Number	Length 1	Length 2	Hole Size 1	Hole Size 1 Number of Pairs	Hole Size 2	Hole Size 2 Number of Pairs	A	B	C
<b>Tin Plating: No</b>									
TGBA12L06P	305 mm	229 mm	8 mm	6	11 mm	3	25.4 mm	28.6 mm	15.9 mm
TGBA16L08P	394 mm	229 mm	8 mm	8	11 mm	3	25.4 mm	28.6 mm	15.9 mm
TGBA18L10P	451 mm	229 mm	8 mm	10	11 mm	3	25.4 mm	28.6 mm	15.9 mm
TGBA20L12P	508 mm	229 mm	8 mm	12	11 mm	3	25.4 mm	28.6 mm	15.9 mm
TGBA24L14P	610 mm	457 mm	8 mm	14	11 mm	5	25.4 mm	28.6 mm	15.9 mm
TGBA29L18P	737 mm	457 mm	8 mm	18	11 mm	5	25.4 mm	28.6 mm	15.9 mm
<b>Tin Plating: Yes</b>									
TGBA12L06PT	305 mm	229 mm	8 mm	6	11 mm	3	25.4 mm	28.6 mm	15.9 mm
TGBA16L08PT	394 mm	229 mm	8 mm	8	11 mm	3	25.4 mm	28.6 mm	15.9 mm
TGBA18L10PT	451 mm	229 mm	8 mm	10	11 mm	3	25.4 mm	28.6 mm	15.9 mm
TGBA20L12PT	508 mm	229 mm	8 mm	12	11 mm	3	25.4 mm	28.6 mm	15.9 mm
TGBA24L14PT	610 mm	457 mm	8 mm	14	11 mm	5	25.4 mm	28.6 mm	15.9 mm
TGBA29L18PT	737 mm	457 mm	8 mm	18	11 mm	5	25.4 mm	28.6 mm	15.9 mm

## TELECOM MAIN GROUNDING BUSBAR



### FEATURES

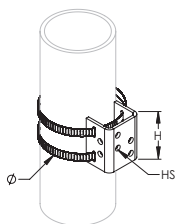
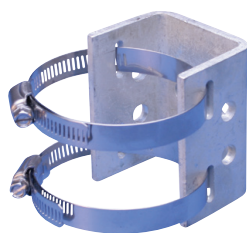
- Meets TIA-607-C and conforms to BICSI® recommendations
- Complies with NEMA® standards
- Accepts two hole lugs with 5/16" or 7/16" bolt holes (hardware not included)
- Telecom grounding busbar splice kits are available to extend the length of the busbar

Material: Copper  
Width: 50.8 mm  
Thickness: 6.35 mm



Part Number	Length 1	Length 2	Hole Size 1	Hole Size 1 Number of Pairs	Hole Size 2	Hole Size 2 Number of Pairs	A	B	C
<b>Tin Plating: No</b>									
TMGBA12L15P	305 mm	229 mm	5/16"	15	7/16"	3	25.4 mm	28.6 mm	15.9 mm
TMGBA16L19P	394 mm	229 mm	5/16"	19	7/16"	3	25.4 mm	28.6 mm	15.9 mm
TMGBA18L23P	451 mm	229 mm	5/16"	23	7/16"	3	25.4 mm	28.6 mm	15.9 mm
TMGBA20L27P	508 mm	229 mm	5/16"	27	7/16"	3	25.4 mm	28.6 mm	15.9 mm
TMGBA24L33P	610 mm	457 mm	5/16"	33	7/16"	5	25.4 mm	28.6 mm	15.9 mm
TMGBA29L41P	737 mm	457 mm	5/16"	41	7/16"	5	25.4 mm	28.6 mm	15.9 mm
<b>Tin Plating: Yes</b>									
TMGBA12L15PT	305 mm	229 mm	5/16"	15	7/16"	3	25.4 mm	28.6 mm	15.9 mm
TMGBA16L19PT	394 mm	229 mm	5/16"	19	7/16"	3	25.4 mm	28.6 mm	15.9 mm
TMGBA18L23PT	451 mm	229 mm	5/16"	23	7/16"	3	25.4 mm	28.6 mm	15.9 mm
TMGBA20L27PT	508 mm	229 mm	5/16"	27	7/16"	3	25.4 mm	28.6 mm	15.9 mm
TMGBA24L33PT	610 mm	457 mm	5/16"	33	7/16"	5	25.4 mm	28.6 mm	15.9 mm
TMGBA29L41PT	737 mm	457 mm	5/16"	41	7/16"	5	25.4 mm	28.6 mm	15.9 mm

## GROUNDING STANDOFF FOR TELECOM TOWERS



### FEATURES

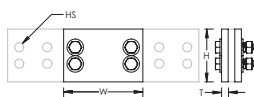
- Provides a direct, low-impedance electrical ground connection to the tower
- Offers a quick installation process
- Compact design fits in tight and confined locations
- Available in tinned copper to reduce dissimilar metal issues
- 6 TIA double-hole lug attachment points

Most equipment on a telecommunication tower is grounded by connecting a copper conductor to a ground bar mounted to the tower itself. The lead length of the conductor is often extensive, which can add resistance to the grounding system.

Material: Copper, Stainless Steel 301 (EN 1.4310)  
Finish: Tinned

Part Number	Diameter	Height	Hole Size
ETMAGS	127 mm Max	76.2 mm	9.5 mm

## TELECOM GROUNDING BUSBAR SPLICE KIT



### FEATURES

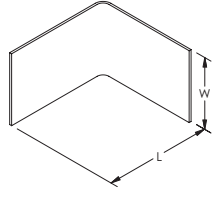
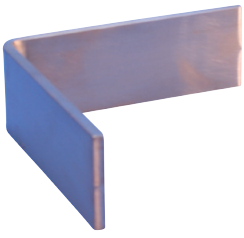
- For use with telecom grounding busbars
- Includes two tinned copper splice plates and 1/4" stainless steel fasteners

Material: Copper  
Finish: Tinned



Part Number	For Use With	Height	Width	Thickness	Hole Size
TGBSPLICEKIT	TGB Series	50.8 mm	76.2 mm	6.4 mm	8.73 mm
TMGBSPLICEKIT	TMGB Series	101.6 mm	88.9 mm	6.4 mm	8.73 mm

## PERIMETER GROUNDING BUSBAR FOR CORNERS



### FEATURES

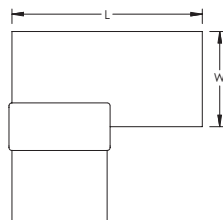
- For use in installing perimeter grounding busbar system to fit within or around 90° corners

Material: Copper



Part Number	Length	Width	Thickness
EPGC1416X6	152.4 mm	25.4 mm	6.4 mm
EPGC1426X6	152.4 mm	50.8 mm	6.4 mm
EPGC1428X8	203.2 mm	50.8 mm	6.4 mm
EPGC1436X6	152.4 mm	76.2 mm	6.4 mm
EPGC1446X6	152.4 mm	101.6 mm	6.4 mm
EPGC1816X6	152.4 mm	25.4 mm	3.2 mm
EPGC1826X6	152.4 mm	50.4 mm	3.2 mm
EPGC1846X6	152.4 mm	101.6 mm	3.2 mm
<b>Finish: Tinned</b>			
EPGC1446X6T	152.4 mm	101.6 mm	6.4 mm

## PERIMETER GROUNDING BUSBAR FOR DOORS



### FEATURES

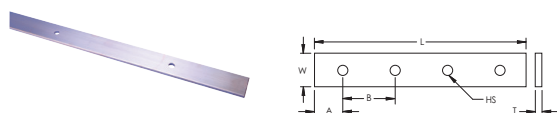
- For use in installing perimeter grounding busbar system to fit around doors

Material: Copper



Part Number	Length	Width	Thickness	Certifications
EPGC1418X8FL	203.2 mm	25.4 mm	6.4 mm	
EPGC1818X8FL	203.2 mm	25.4 mm	3.2 mm	cULus
EPGC1828X8FL	203.2 mm	50.8 mm	3.2 mm	cULus
EPGC1848X8FL	203.2 mm	101.6 mm	3.2 mm	cULus

## PERIMETER GROUNDING BUSBAR FOR WALLS



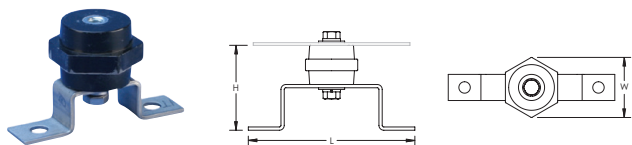
### FEATURES

- Perimeter grounding busbars are used to terminate ground wires and cables from equipment and other devices
- For busbars that include insulators and brackets, eight individual brackets and insulators are provided



Part Number	Length	Width	Thickness	A	B	Hole Size
<b>Material: Copper – Busbar Configuration: Busbar Only</b>						
EPGC141120	3.05 m	25.4 mm	6.4 mm	381 mm	762 mm	11.11 mm
EPGC142120	3.05 m	50.8 mm	6.4 mm	381 mm	762 mm	11.11 mm
EPGC142144	3.66 m	50.8 mm	6.4 mm	381 mm	762 mm	11.11 mm
EPGC143120	3.05 m	76.2 mm	6.4 mm	381 mm	762 mm	11.11 mm
EPGC144120	3.05 m	101.6 mm	6.4 mm	381 mm	762 mm	11.11 mm
EPGC182120	3.05 m	50.8 mm	3.2 mm	381 mm	762 mm	11.11 mm
EPGC183144	3.66 m	76.2 mm	3.2 mm	381 mm	762 mm	11.11 mm
EPGC184120	3.05 m	101.6 mm	3.2 mm	381 mm	762 mm	11.11 mm
<b>Material: Copper, Polyamide, Stainless Steel 304 (EN 1.4301) – Busbar Configuration: Busbar, Insulators and Brackets</b>						
EPGA142120	3.05 m	50.8 mm	6.4 mm	381 mm	762 mm	11.11 mm
EPGA144120	3.05 m	101.6 mm	6.4 mm	381 mm	762 mm	11.11 mm

## GROUNDING BUSBAR MOUNTING KIT

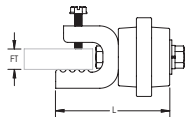


### FEATURES

- Includes hardware, fasteners, insulators and brackets

Part Number	Busbar Width	Height	Length	Width
<b>Material: Stainless Steel 304 (EN 1.4301), Polyamide – Finish: Bare</b>				
B548A41	25 – 51 mm	67 mm	108 mm	51 mm
B548A42	76 – 102 mm	86 mm	160 mm	51 mm
<b>Material: Steel, Polyamide – Finish: Electrogalvanized</b>				
FEB35M10	100 mm	59 mm	100 mm	51 mm

## GROUNDING BUSBAR MOUNTING KIT WITH BEAM CLAMP



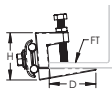
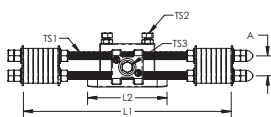
### FEATURES

- Mounting kit for grounding busbars to steel beam
- Includes stainless steel hardware, fasteners, insulators and brackets

Material: Polyamide, Stainless Steel 304 (EN 1.4301)

Part Number	Flange Thickness	Length	Width
B548A39	22.2 mm Max	85.7 mm	50.4 mm

## THEFT-DETERRENT GROUNDING BUSBAR, FLANGE MOUNT ASSEMBLY



### FEATURES

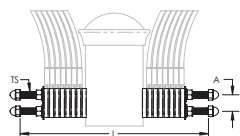
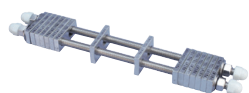
- Mounts to a typical structural beam flange on a telecom tower without cutting or drilling the flange
- Accepts standard telecommunication grounding lugs (lugs not included)
- Includes 14 Standard Spacers (TDSGAS)

Material: Copper, Stainless Steel 18-8 (EN 1.4305), Nylon  
 Finish: Tinned  
 Spacer Thickness: 6.4 mm



Part Number	Length 1	Length 2	Depth	Height	A	Flange Thickness	Thread Size 1	Thread Size 2	Thread Size 3
TDSGABC14	266 mm	101.6 mm	54.1 mm	69 mm	25.4 mm	6.4 – 25.4 mm	3/8 UNC	5/16 UNC	5/16 UNC

## THEFT-DETERRENT GROUNDING BUSBAR, POLE MOUNT ASSEMBLY



### FEATURES

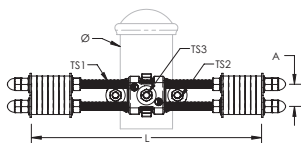
- Mounts on a standard Schedule 40 ice bridge pole (3.5" or 88.9 mm nominal outer diameter) and provides a path to the buried ground ring via a connection to the post
- This assembly eliminates the need for a solid copper busbar and down lead
- The connection to the ground ring is concealed below grade
- Accepts standard telecommunication grounding lugs (lugs not included)
- Includes 14 Standard Spacers (TDSGAS) and 2 Pole Mount Spacers (TDSGAP)
- Pole itself is not included in the assembly

Material: Copper, Stainless Steel 304 (EN 1.4301),  
Stainless Steel 18-8 (EN 1.4305)  
Finish: Tinned  
Spacer Thickness: 6.4 mm



Part Number	Length	A	Thread Size
TDSGAPA14	266 mm	25.4 mm	3/8 UNC

## THEFT-DETERRENT GROUNDING BUSBAR, POST MOUNT ASSEMBLY



### FEATURES

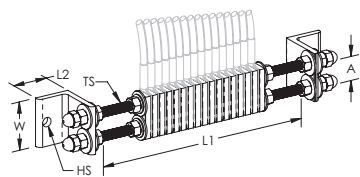
- Mounts to a Schedule 40 pipe or post without cutting or drilling the pipe
- Accepts standard telecommunication grounding lugs (lugs not included)
- Includes 14 Standard Spacers (TDSGAS)

Material: Copper, Stainless Steel 304 (EN 1.4301),  
Stainless Steel 18-8 (EN 1.4305)  
Finish: Tinned  
Spacer Thickness: 6.4 mm



Part Number	Length	A	Fence Post Size, Nominal	Fence Post Outside Diameter, Actual	Thread Size 1	Thread Size 2	Thread Size 3
TDSGAPC14	266 mm	25.4 mm	1 1/2" - 2"	48.0 - 63.5 mm	3/8 UNC	5/16 UNC	5/16 UNC

## THEFT-DETERRENT GROUNDING BUSBAR, WALL MOUNT ASSEMBLY



### FEATURES

- Utilizes a utility or telecom tower's or other mounting structure's connection to a ground ring to provide equipotential bonding and a low-impedance path to ground
- Can be used for any mounting application and in any configuration
- Accepts standard telecommunication grounding lugs (lugs not included)
- Includes 17 Standard Spacers (TDSGAS)

Material: Copper, Aluminum, Stainless Steel 304 (EN 1.4301)

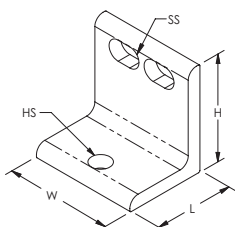
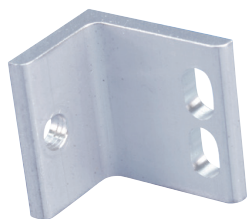
Finish: Tinned

Spacer Thickness: 6.4 mm



Part Number	Length 1	Length 2	Width	Height	A	Hole Size	Thread Size
TDSGAWB17	235 mm	38.1 mm	50.8 mm	50.8 mm	25.4 mm	9.8 mm	3/8 UNC

## THEFT-DETERRENT GROUNDING BUSBAR, WALL MOUNTING BRACKET



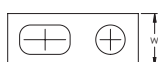
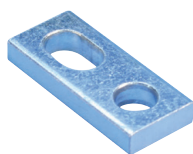
### FEATURES

- Replacement wall bracket for wall mount assembly

Material: Aluminum

Part Number	Length	Width	Height	Hole Size	Slot Size	Unit Weight
TDSGAWB	50.8 mm	38.1 mm	50.8 mm	9.8 mm	16.3 x 9.9 mm	63.5 g

## SPACER FOR THEFT-DETERRENT GROUNDING BUSBAR



### FEATURES

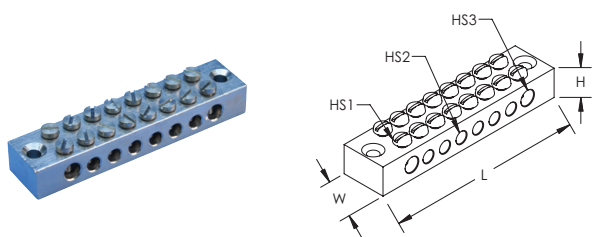
- Extra spacers available for additional conductor connections
- Additional standard spacers for use with all Theft-Deterrent Grounding Busbar assemblies
- Pole mount spacers are curved to fit next to the mounting pole

Material: Copper

Finish: Tinned

Part Number	Type	Length	Width	A	B	Thickness	Hole Size	Slot Size
TDSGAP	Pole Mount	44.5 mm	25.4 mm	9.5 mm	22.2 mm	6.4 mm	9.8 mm	16.3 x 9.9 mm
TDSGAS	Standard	44.5 mm	19.1 mm	9.5 mm	22.2 mm	6.4 mm	9.8 mm	16.3 x 9.9 mm

## EARTH BLOCK



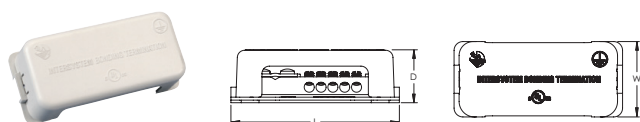
### FEATURES

- Used to connect multiple earthing cables to a single point which then connects to the earthing system
- Two holes available (countersink M5) for installation of the earth block

Material: Brass  
Finish: Tinned

Part Number	Article Number	Length	Width	Height	Hole Size 1	Hole Size 2	Hole Size 3
EBL08	711470	88 mm	20 mm	13 mm	4 mm	5.2 mm	6.5 mm

## INTERSYSTEM BONDING TERMINATION BAR



The Intersystem Bonding Termination (IBTB), part of the ERICO line of Facility Electrical Protection products, is designed to meet the requirements of the 2008 NEC® Article 250.94 "Bonding for Other Systems." The IBTB is mounted adjacent to the meter base or service entrance equipment and is a convenient way to interconnect and terminate grounding conductors from telephone, CATV or radio and television antennas. The IBTB includes corrosion-resistant, stainless steel mounting hardware and is easily accessible for connection and inspection. The lay-in connection clamp (#6- #2 AWG, or 16-35 mm<sup>2</sup>) allows easy installation of the grounding electrode conductor in one continuous length, where possible. The polymeric base and housing is impact-resistant, UV-stabilized and meets UL® requirements for weatherability performance.

### FEATURES

- Interconnects and terminates grounding conductors from telephone, CATV, radio and TV antennas
- Ideal for residential and small commercial applications
- Meets requirements of 2008 NEC® Article 250.94
- Accommodates five connectors for conductor sizes #14 Solid – #6 Stranded (1,5 – 25 mm<sup>2</sup>)
- Accommodates one connector for conductor sizes #6 Solid – #2 Stranded (16 – 35 mm<sup>2</sup>)
- Integral mounting base enables easy installation
- Includes mounting hardware
- Connects to grounding electrode conductor – does not rely on meter base enclosure bonding connection

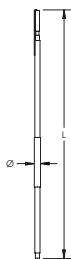


Part Number	Depth	Length	Width
IBTB	36 mm	102 mm	51 mm



# Grounding Tools

## GROUND ROD DRIVER



### FEATURES

- Usable on all types of round ground rods: copper-bonded, galvanized, and stainless steel
- Inserts are interchangeable with standard ground rod driver body
- The driver will not deform the end of the rod, making connection of the ground conductor quick and easy

Part Number	Article Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Length	Unit Weight
EGRD34	158520	3/4" Max	17.2 mm Max	1,500 mm	10.4 kg
EGRD58	158500	5/8" Max	14.2 mm Max	1,500 mm	10.4 kg

## GROUND ROD DRIVER REPLACEMENT INSERT

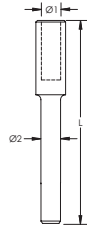


### FEATURES

- For use with the EGRD Ground Rod Driver
- Inserts are interchangeable with standard ground rod driver body

Part Number	Article Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Unit Weight
EGRD34I	158530	3/4"	17.2 mm Max	2.7 kg
EGRD58I	158510	5/8"	14.2 mm Max	2.7 kg

## GROUND ROD DRIVING HEAD FOR POWER TOOLS



### FEATURES

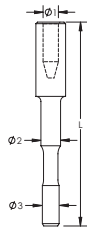
- For use in power-assisted ground rod drivers

Material: Steel

Ground Rod Type: Copper-bonded, Galvanized

Part Number	Ground Rod Diameter, Nominal	Diameter 1	Diameter 2	Length
DH58	5/8"	14.7 mm	21.6 mm	178 mm
DH34	3/4"	19.8 mm	21.6 mm	178 mm

## GROUND ROD DRIVING HEAD FOR ROTARY HAMMER



### FEATURES

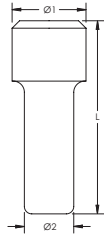
- Ground rod driving head for use with a rotary hammer

Material: Steel

Ground Rod Type: Copper-bonded, Galvanized

Part Number	Ground Rod Diameter, Nominal	Diameter 1	Diameter 2	Diameter 3	Length
B13716RH15	5/8"	14.7 mm	18.8 mm	16.3 mm	196 mm

## GROUND ROD DRIVING STUD FOR ROTARY HAMMER WITH COUPLER



### FEATURES

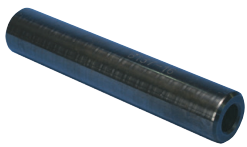
- Used in conjunction with a CC58 ground rod coupler to drive a pointed ground rod
- DSCC58 driving stud fits inside CC58 coupler, then the assembly is placed on top of the ground rod
- Hammering is then carried out on the DSCC58

Material: Steel

Ground Rod Type: Copper-bonded

Part Number	Ground Rod Diameter, Nominal	Diameter 1	Diameter 2	Length
DSCC58	5/8"	19.9 mm	13.3 mm	52 mm

## GROUND ROD DRIVE SLEEVE FOR POINTED GROUND RODS



### FEATURES

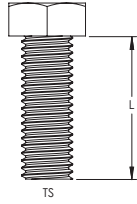
- For use with unthreaded ground rods
- Slides on top of ground rod to prevent mushrooming while driving into ground

Material: Steel

Ground Rod Type: Copper-bonded, Galvanized

Part Number	Article Number	Ground Rod Diameter, Nominal	Diameter	Length
B13714		1/2"	13.2 mm	152 mm
EDS12		1/2"	13.3 mm	64 mm
DH12M	158120	1/2"	13.5 mm	100 mm
EDS58		5/8"	14.7 mm	64 mm
B13716		5/8"	14.7 mm	152 mm
158380		5/8"	16.0 mm	65 mm
DH58M	158130	5/8"	16.0 mm	100 mm
B13731		5/8"	16.3 mm	152 mm
B13718		3/4"	17.8 mm	152 mm
B13733		3/4"	19.6 mm	152 mm
DH34M	158140	3/4"	20.0 mm	100 mm
B13722		1"	23.9 mm	152 mm
B13737		1"	25.9 mm	152 mm

## GROUND ROD DRIVING STUD FOR SECTIONAL GROUND RODS



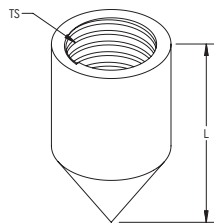
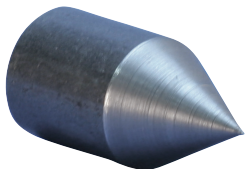
### FEATURES

- Used in conjunction with threaded couplers while driving sectional ground rods

Material: Steel

Part Number	Ground Rod Diameter, Nominal	Thread Size	Length
710090	3/8"	M10	18.0 mm
710100	3/8"	M10	21.0 mm
DS12	1/2"	1/2 UNC	38.1 mm
DS12S	1/2"	9/16 UNC	44.5 mm
158100	5/8"	5/8 UNC	31.8 mm
DS58C	5/8"	5/8 UNC	36.6 mm
DS58	5/8"	5/8 UNC	44.5 mm
158110	3/4"	3/4 UNC	38.1 mm
DS34	3/4"	3/4 UNC	50.8 mm
DS1	1"	1 UNC	63.5 mm

## GROUND ROD DRIVING POINT FOR SECTIONAL GROUND RODS



### FEATURES

- Threaded ground rod driving tip to assist in driving sectional ground rods into the earth

Material: Steel

Part Number	Ground Rod Diameter, Nominal	Thread Size	Length
SDT34	3/4"	3/4 UNC	42 mm
SDT58	5/8"	5/8 UNC	42 mm

## 2- AND 3-POINT GROUND RESISTANCE TESTER KIT



### FEATURES

- Measures ground resistance (2- and 3-Point) Fall-of-Potential method
- Provides high-breaking fuse protection capacity, 0.1A, >250V
- Auto-ranging: automatically selects the optimum range
- Color-coded terminals and lead identification
- Extremely simple to operate: connect – press – hold – read
- Designed to reject high levels of noise and interference
- Large LCD digital display
- Rugged dustproof and rainproof field case
- Battery-powered, with low battery indication
- Includes eight 1.5V AA batteries to power approximately 1800 15-second measurements



Part Number	Soil Resistivity Test	Measurement Range	Resolution	Test Current	Open Voltage	Operating Frequency	Accuracy	Unit Weight
EST3640	No	0 – 2,000 Ω	10 mΩ – 1 Ω	10.0 – 0.1 mA	42 V Max	128 Hz square wave	3% of Reading +/- 3ct, 5% of Reading +/- 3ct	15.9 kg

Kit includes: Two 300' (91.4 m) color-coded leads on spools (red and blue), two 5' (1.5 m) color-coded leads (red and blue), two 100' (30.5 m) color-coded leads (green and black), four 14.5" (368 mm) T-shaped auxiliary ground electrodes, one set of five-spaded lugs, one 100' (30.5 m) tape measure, and one carrying bag.

## 2-, 3- AND 4-POINT GROUND RESISTANCE TESTER KIT



### FEATURES

- Measures ground resistance (2- and 3-Point) Fall-of-Potential method and soil resistivity (4-Point)
- Fuse protection of 0.1A, >250V, 0.25 x 1.25" with 30kA Interrupt Capacity
- Both models will perform over 2,000 measurements of the 15-second tests between recharging or battery replacement
- Provides a response time of approximately four to eight seconds for a stabilized measurement
- Step voltage tests and touch potential measurements
- Auto-ranging: automatically selects the optimum resistance range and test current
- Designed to reject high levels of noise and interference
- Extremely simple to operate: connect – press – hold – read
- May also be used for continuity tests on bonding
- Large easy-to-read backlit display
- LED on faceplate informs operator of high input noise, high auxiliary rod resistance and fault connections
- Rugged dustproof and rainproof field case
- Color-coded terminals
- Low battery indication



Part Number	Soil Resistivity Test	Measurement Range	Resolution	Open Voltage	Test Current	Operating Frequency	Accuracy	Auxiliary Electrode Influence	Withstanding Voltage
EST4620	Yes	0 – 2,000 Ω	10 mΩ – 1 Ω	42 V Max	10.0 – 0.1 mA	128 Hz square wave	2% of Reading +/- 1ct, 5% of Reading +/- 3ct	3 – 50 kΩ	250 VAC, 100 VDC
EST4630	Yes	0 – 2,000 Ω	10 mΩ – 1 Ω	42 V Max	10.0 – 0.1 mA	128 Hz square wave	2% of Reading +/- 1ct, 5% of Reading +/- 3ct	3 – 50 kΩ	250 VAC, 100 VDC

Kit includes: Two 300' (91.4 m) color-coded leads on spools (red and blue), two 5' (1.5 m) color-coded leads (red and blue), two 100' (30.5 m) color-coded leads (green and black), four 14.5" (368 mm) T-shaped auxiliary ground electrodes, one set of five-spaded lugs, one 100' (30.5 m) tape measure, and one carrying bag.

## 2-, 3- AND 4-POINT GROUND RESISTANCE TESTER KIT WITH DATAVIEW® SOFTWARE



### FEATURES

- Measures Ground Impedance at frequencies up to 5kHz to test lightning strike protection
- Ground Resistance testing using the 2 clamp method (no auxiliary rods needed) using optional current probes
- Includes DataView® software for data storage, real-time display, analysis, report generation and system configuration
- 3-Point Fall-of-Potential measurement with manual or automatic frequency selection
- Used under difficult conditions such as the presence of high-stray currents that normally affect accuracy
- Automatic report generation including the fall of potential plot
- 4-Point soil resistivity measurement with automatic calculation of Rho and user selection of Wenner or Schlumberger test method
- 3-Point earth coupling measurement
- Manual and automatic frequency scan from 41 to 5,078Hz for optimum test accuracy in electrically-noisy environments
- Selectable test voltage of 16 or 32V up to 250mA of test current
- 2- and 4-Wire Bond Resistance/Continuity Measurement (DC Resistance) with automatic polarity reversal
- Stores up to 512 complete test results in internal memory
- Optically isolated USB communication included
- Display with automatic backlight when entering a function
- Rugged dustproof and rainproof field case - IP53 rated in closed position
- AC-powered with rechargeable NiMH batteries from wall charger or vehicle power
- Auto-off power management



### Part Number

EST6472

Kit includes: Two 300' (91.4 m) color-coded leads on spools (red and blue), two 5' (1.5 m) color-coded leads (red and blue), two 100' (30.5 m) color-coded leads (green and black), four 14.5" (368 mm) T-shaped auxiliary ground electrodes, one set of five-spaded lugs, one 100' (30.5 m) tape measure, and one carrying bag. Ground Resistance Tester Clamp-On Probe is not included and must be ordered separately.

## HANDHELD CLAMP-ON GROUND RESISTANCE TESTER



### FEATURES

- Measures earth resistance without need to disconnect from the electrical system or need for auxiliary ground electrodes or reels
- Ground Resistance is auto-ranging from 1 to 199Ω
- Current Measurement is auto-ranging from 1mA to 40A
- Ground voltage indication - warns of unsafe conditions
- Clamping diameter of 1.4" (35 mm) with large jaw design
- Stores up to 300 measurements
- Includes a hard carrying case, calibration loop, four 1.5V AA batteries and a user manual



Part Number	Article Number	Ground Resistance Measurement Range	Ground Resistance Resolution	Ground Resistance Accuracy	Current Measurement Range	Current Measurement Resolution	Current Measurement Accuracy	Current Measurement Frequency	Operating Frequency	Loop Impedance Measurement
EST401	702390	0.01 – 1,500.00 Ω	0.001 – 50.000 Ω	Approx. 1.5% - 25%	0.20 mA – 39.99 A	1 μA – 10 mA	+/- 2%	47 – 800 Hz	2,08 3 Hz	10 to 100μH; 100 to 500μH

## GROUND RESISTANCE TESTER CLAMP-ON PROBE



### FEATURES

- AC Clamp-on probe for use with EST6472
- Extends use of EST6472 to be used as a clamp-on ground resistance tester



Part Number	Unit Weight
ESR182	1.36 kg

## GROUND RESISTANCE TESTER CABLE REEL



### FEATURES

- Includes two reels of silicone rubber insulated wire—one reel is red and the other reel is blue—for easy stake identification
- The far end of test lead remains attached to the reel base, which eliminates tangling and speeds up the process of test stake deployment
- Each reel includes 500' (152.4 m) of cable, a screwdriver and a lead that connects the reel to the test meter

Part Number	Article Number	Cable Length	Unit Weight
ESTREELKIT500	702350	152.4 m	7.7 kg

# nVent ERICO Cadweld Molds

## HOW TO ORDER NVENT ERICO CADWELD PRODUCTS

This catalog lists the most popular nVent ERICO Cadweld connections using solid or concentric stranded copper conductor, insulated or bare. Look in the index for the connection you need. To save time and money, avoid non-catalog items or specials whenever possible.

If you cannot find the connection you need, contact nVent ERICO or your local distributor or agent. We have designed over 45,000 connections, and “specials” are designed every day.

### 1. What connection do you want?

We strongly recommend that wherever possible you use molds listed in this catalog. After selecting the connection, turn to the appropriate page and select the mold, weld metal and tools you need.

### 2. Only the most popular Cadweld connections are listed in this catalog.

For a complete listing of Cadweld Exolon connections, please refer to [nVent.com/ERICO](http://nVent.com/ERICO) or your local nVent ERICO representative.

### 3. What are the conductor sizes?

This catalog covers connections between solid or concentric stranded copper conductors to each other, to lugs, to ground rods, to rebar, to rail and to special grounding accessories. For sizes not listed, contact your local Cadweld distributor, agent, or nVent ERICO.

Note: Other publications describe connections to conductors of copperclad, high voltage copper, aluminum, busbar, lightning protection cable, steel cable, etc.

### 4. You must have the following to make a weld:

- 4.1 Mold to fit your conductors
- 4.2 Weld metal required by your mold
- 4.3 Handle clamps on frame
- 4.4 Flint ignitor (included with handle clamps and frames)
- 4.5 If using Cadweld Exolon, you need a Relia-Start™ battery instead of a flint ignitor.
- 4.6 Lugs, sleeves, packing material listed on the page with the mold.

## OTHER INFORMATION

Certain tools may be required for various connections. If required, these tools are listed on the same pages as the connection and in Section A. Some tools in section A can save you a lot of time. Also refer to A9E, Contractor Tips, to make your job easier, and learn about labor saving ideas.

For complete pricing information, please visit [nVent.nVent.com/ERICO](http://nVent.nVent.com/ERICO) or contact an nVent ERICO Representative

For Cadweld literature, guides, instructional videos, and more, visit [nVent.com/ERICO](http://nVent.com/ERICO).

For all your connection needs – we're only a phone call away.

Phone: 800-677-9089

Fax: 800-677-8131

or call your local Cadweld distributor, agent, or Cadweld regional sales manager

### Required tools summary:

Required tools are listed with each mold. For your reference, handle clamps and/or frame are summarized below.

Mold	Required
A*	Includes frame with handle
C, Q & R	Requires L160
D, F & Z	Requires L159
E*	Includes frame but also requires L160
J*	Includes frame but also requires L159
K*, M* & V*	Includes frame with handles

\* To order mold only – without handles or frame – add suffix "M" to mold part number.

### Heavy Duty Electrical Connections for Stranded Concentric Copper Conductors

Heavy Duty connections were developed to be used on reclaimed cable. Heavy Duty connections use a larger size connection cavity in the mold and a larger size weld metal than the equivalent standard connections.

The larger size weld metal supplies extra BTU's (but not a higher temperature) to melt the heavy oxide coating on the conductor and to overcome severe field conditions.

#### Heavy Duty connections offer the following advantages:

- Eliminates cutting the run conductor on certain types of connections.
- Reduces cable cleaning requirements for old or reclaimed cable.
- Increases reliability under adverse field conditions.

## CADWELD CONNECTIONS USED FOR GROUNDING REINFORCING BARS

Cadweld provides efficient and permanent connections for both grounding and attaching lightning protection conductors to rebar. When making Cadweld connections to rebar, the normal materials required are: mold, handle and weld metal. In addition, packing material is also required. These materials act as a seal between the mold and rebar to prevent leaks. One unit of packing material must be ordered for each weld.

## CADWELD CONNECTIONS TO STRUCTURAL REINFORCING BAR AND ANCHOR BOLTS

Welding of ground conductors to reinforcing bars (rebar) by the Cadweld process should not be harmful if stresses in the rebar are below yield. As design stresses are normally only about 50% to 60% of the nominal yield strength of the rebar, welding by the Cadweld process should not be detrimental under design stresses.

As the ACI Building Code (ACI318-14 Commentary, 25.5.2.1) advises, "splice requirements encourage splicing bars at points of minimum stress ... encourage the location of splices away from regions of high tensile stress." The same advice should apply to locations of Cadweld connections of a ground conductor to rebar. Where possible, locate the weld area away from areas of maximum tensile stress, e.g., near the free end of the bar in a lap splice, on the hook extension for a hooked bar, etc. The same considerations apply to Cadweld connections to anchor bolts.

### NOTE:

For lightning protection applications where the main lightning protection conductor is connected to the rebar, nVent ERICO recommends a 2/0 AWG copper conductor for structures over 75 feet in height and a #2 AWG copper conductor for structures under 75 feet. For a bonding conductor, a #6 AWG copper may be used. These sizes meet NFPA78 Code requirement. Anchor bolts are connected in the same way.

**All welds to rebar requiring larger than a #150 weld metal will be sold only after review by nVent ERICO.**

## GROUNDING CONNECTION SPECIFICATION

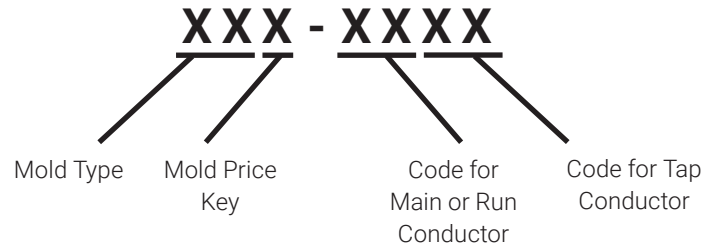
This specification covers the Cadweld exothermic welding system for use in making electrical connections. The Cadweld system supplied under this specification shall include welding material, molds, tools and accessories as required.

Unless otherwise specified, Cadweld exothermic welding system shall be used for all electrical grounding connections of copper to copper and copper to steel conductors. Cadweld connections shall be suitable for exposure to the elements of direct burial in earth or concrete without degradation over the lifetime of the grounding system.

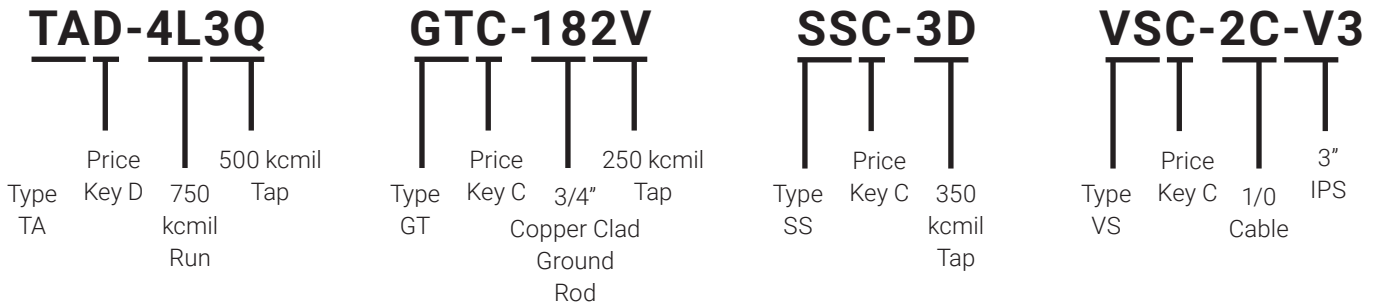
The Cadweld exothermic welding system furnished under this specification shall meet the applicable requirements of IEEE Standard 80 "IEEE Guide for Safety in AC Substation Grounding" and IEEE Standard 837 IEEE "Standard for Qualifying Permanent Connections Used in Substation Grounding". Independent test data showing conformance to IEEE Std. 837 shall be readily available.

### The Cadweld Mold Numbering System

The Cadweld mold part number gives, in code, the complete information about the mold.  
Type of connection, mold price key, and conductor size(s)



Examples:



A graphite mold is used for making most Cadweld connections. Cadweld molds will generally last an average of 50 or more connections under normal usage.

### PRICE KEY AND HANDLE CLAMP AND/OR FRAMES

Handle clamps are required for most molds. Specialized frames with handles are used on some molds. Flint igniters are included with handle clamps. The following handle clamps are most widely used.

L160 for all molds having a "C", "E", "R" and "Q" mold price key (3" wide molds)

L159 for all molds having a "D", "F", "J" and "Z" mold price key (4" wide molds)

Handle Clamps with an "XL" prefix are for use with the Cadweld Exolon system and do not come with a flint igniter. Mini E-Z Change Clamps for use with mini-welders.

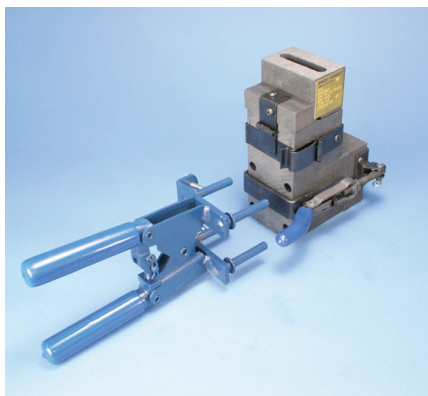
Pictured below are the molds and handle clamps / and or frames and handles for the various price key molds:



"A" Price Key Mold  
Includes Hold Down Frame



"C", "D", "F", "R", "Q" and "Z" Price Key Mold L160 or L159  
Handle Clamp Required



"E" and "J" Price Key Mold  
L160 or L159 Handle Clamp  
Required



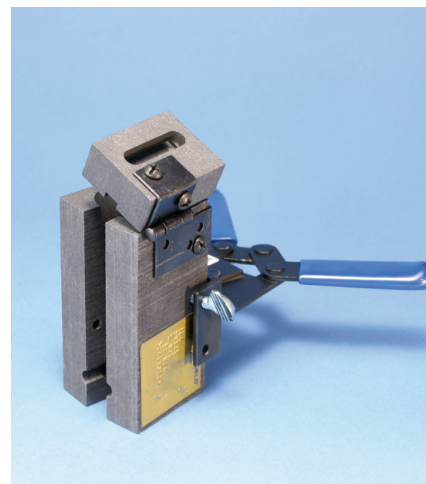
"M" and "V" Price Key Mold  
Includes Frame with Handles



"H" Price Key Mold  
Includes Hold Down Frame  
with Handles



"G", "K", and "L" Price Key  
Mold Includes Frame with Handles



"T", "P" and "N" Price Key Mold  
Includes Mini-EZ Handle Clamp  
To order mold only, add an "M"  
suffix to the part number  
(for example, SST1TM)

## MOLD OPTIONS



### SPLIT CRUCIBLE MOLDS

Molds made with a horizontal opening and solid crucible section may be specified as a split crucible type. The advantage of the split crucible mold is easier cleaning.

To order a mold with a split crucible, add an "L" suffix to the mold part number (for example, TAC2G2GL).



### WEAR PLATES

Wear Plates reduce mechanical abrasion of molds at cable entry points and help prevent leakage of molten metal (particularly on larger 7 strand conductor). These features prolong mold life.

To order a mold with wear plates, add a "W" suffix to the mold part number (for example, PTC2G2GW).

## CADWELD EXOLON

### CADWELD EXOLON REDUCED-EMISSION MOLDS

Developed in 1988, Cadweld Exolon connections represented a significant advancement in welded electrical connections for sensitive indoor applications like data centers, hospitals, and other clean room environments. The virtual elimination of smoke and a unique electronic starting system makes this an ideal solution for sensitive applications. Each Cadweld Exolon package contains ceramic filters that produce an extremely low emission connection.



#### How to order CADWELD EXOLON:

1. To order Cadweld Exolon products, just specify molds and weld metal from the catalog and add an "XL" prefix.

**Example:** TAC2Q2Q becomes XLTAC2Q2Q, and 150 becomes XL150.

2. If the weld metal shown in the catalog shows more than one tube required such as 2-#200, you must specify #XL400 to get the correct size filters.

**Example:** XLTAD-4L3Q: XL400

3. The following molds require a price key change:

- "C" price key molds using 2-#150 weld metals change to XLD price key.
- "E" price key molds using 2-#150 weld metals change to XLJ price key.
- "H" price key molds using 2-#150 weld metals, contact ERICO.
- "M" price key molds using 2-#150 weld metals change to XLV price key.
- "R" price key molds using 2-#150 weld metals change to XLF price key.
- "T" price key molds, ALL change to XLP price key.

**Example:** TAC3Q3Q using 2-#150 weld metals change to XLTAD3Q3Q using #XL300 weld metal

4. Filters and ignitors are included with the weld metal. XL filters and ignitors are not sold separately.

5. The ignitor can be used only once and then must be discarded. Filters will last as specified in the instructions supplied with each mold.

6. A Relia-Start electric starter, part number XLB971A1 (battery, charger, carrying case and connecting cable), is required for XL weld metal. There is no starting material in the XL weld metal tube. Batteries operate about 200 starts before recharging from 120 VAC is required. The charger, all electrical connections and instructions are included in the battery case.

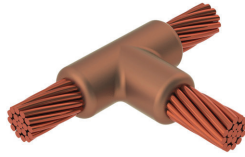
7. Baffle with cover is required for larger molds. Estimated life of the baffle is 500 welds.

- XLB972A1 Baffle is required for molds using XL200 and XL250 weld metals.
- XLB973A1 Baffle is required for molds using XL300 to XL750 weld metals.

8. For EZ Change Handles, add XL prefix. (Flint ignitor not included.)

9. Welding Tray, part number XLB974B2, is used under the mold to protect cables and equipment from hot materials.

## CABLE TO CABLE



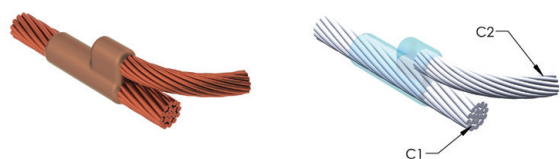
- Forms a permanent, low resistance connection
- Provides a molecular bond
- Cadweld Exothermic Connections are rated with the same current capacity as the conductor
- Portable installation equipment with no external source of power required
- Installers can be easily trained to make Cadweld Exothermic Connections
- Connections are visually inspected

## SS MOLDS



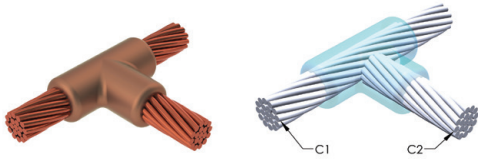
Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
SSCA7	SS	C	6 mm <sup>2</sup> Concentric	6 mm <sup>2</sup> Concentric	25 or 25PLUSF20	PREFERRED	L160
SSCW2	SS	C	10 mm <sup>2</sup> Concentric	10 mm <sup>2</sup> Concentric	25 or 25PLUSF20	PREFERRED	L160
SSCW3	SS	C	16 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	32 or 32PLUSF20	PREFERRED	L160
SSCY1	SS	C	25 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	32 or 32PLUSF20	PREFERRED	L160
SSCY2	SS	C	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	32 or 32PLUSF20	PREFERRED	L160
SSCY3	SS	C	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
SSCY4	SS	C	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
SSCY5	SS	C	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
SSCY6	SS	C	120 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
SSCY7	SS	C	150 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
SSCY8	SS	C	185 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
SSCY9	SS	C	240 mm <sup>2</sup> Concentric	240 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
SSCY0	SS	C	300 mm <sup>2</sup> Concentric	300 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
SSCV1	SS	C	400 mm <sup>2</sup> Concentric	400 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
SSDP9	SS	D	500 mm <sup>2</sup> Concentric	500 mm <sup>2</sup> Concentric	2 X 200 or 400PLUSF20	PREFERRED	L159
SSCY1C	SS	C	25 mm <sup>2</sup> Compact	25 mm <sup>2</sup> Compact	32 or 32PLUSF20	PREFERRED	L160
SSCY2C	SS	C	35 mm <sup>2</sup> Compact	35 mm <sup>2</sup> Compact	32 or 32PLUSF20	PREFERRED	L160
SSCY4C	SS	C	70 mm <sup>2</sup> Compact	70 mm <sup>2</sup> Compact	65 or 65PLUSF20	PREFERRED	L160
SSCY6C	SS	C	120 mm <sup>2</sup> Compact	120 mm <sup>2</sup> Compact	115 or 115PLUSF20	PREFERRED	L160
SSCW6	SS	C	50 mm <sup>2</sup> Solid	50 mm <sup>2</sup> Solid	45 or 45PLUSF20	PREFERRED	L160
SSCW8	SS	C	70 mm <sup>2</sup> Solid	70 mm <sup>2</sup> Solid	65 or 65PLUSF20	PREFERRED	L160
SSCT1	SS	C	CBSC8	CBSC8	65 or 65PLUSF20	PREFERRED	L160
SSCT2	SS	C	CBSC10	CBSC10	90 or 90PLUSF20	PREFERRED	L160
SSCT3	SS	C	CBSC13	CBSC13	150 or 150PLUSF20	PREFERRED	L160
SSCT4	SS	C	CBSC14	CBSC14	200 or 200PLUSF20	PREFERRED	L160
SSCT5	SS	C	CBSC16	CBSC16	200 or 200PLUSF20	PREFERRED	L160
SSCT6	SS	C	CBSC18	CBSC18	250 or 250PLUSF20	PREFERRED	L160

## PC MOLDS



Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
PCCW3W3	PC	C	16 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	32 or 32PLUSF20	PREFERRED	L160
PCCY1Y1	PC	C	25 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
PCCY2Y2	PC	C	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
PCCY2W3	PC	C	35 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
PCCY3Y1	PC	C	50 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
PCCY3Y2	PC	C	50 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
PCCY3Y3	PC	C	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
PCCY4Y1	PC	C	70 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
PCCY4Y2	PC	C	70 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
PCCY4Y4	PC	C	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
PCCY5W3	PC	C	95 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
PCCY5Y1	PC	C	95 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
PCCY5Y3	PC	C	95 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
PCCY5Y4	PC	C	95 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
PCCY5Y5	PC	C	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PCCY6Y1	PC	C	120 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
PCCY6Y3	PC	C	120 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
PCCY6Y4	PC	C	120 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PCCY6Y6	PC	C	120 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
PCCY7Y7	PC	C	150 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
PCCY8Y8	PC	C	185 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	2 X 150 or 300PLUSF20	PREFERRED	L160

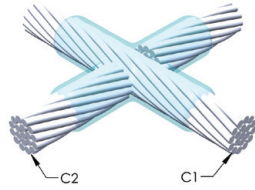
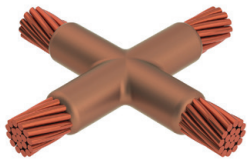
## TA MOLDS



Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
TACY1Y1	TA	C	25 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	32 or 32PLUSF20	PREFERRED	L160
TACY2Y1	TA	C	35 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
TACY2Y2	TA	C	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
TACY3Y1	TA	C	50 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
TACY3Y2	TA	C	50 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
TACY3Y3	TA	C	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY4W2	TA	C	70 mm <sup>2</sup> Concentric	10 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
TACY4W3	TA	C	70 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
TACY4Y1	TA	C	70 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
TACY4Y2	TA	C	70 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
TACY4Y3	TA	C	70 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY4Y4	TA	C	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY5W2	TA	C	95 mm <sup>2</sup> Concentric	10 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY5W3	TA	C	95 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY5Y0	TA	C	95 mm <sup>2</sup> Concentric	300 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACY5Y1	TA	C	95 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY5Y2	TA	C	95 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY5Y3	TA	C	95 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY5Y4	TA	C	95 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY5Y5	TA	C	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
TACY6W3	TA	C	120 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY6Y1	TA	C	120 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY6Y2	TA	C	120 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY6Y3	TA	C	120 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY6Y4	TA	C	120 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY6Y5	TA	C	120 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACY6Y6	TA	C	120 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACY7Y1	TA	C	150 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY7Y2	TA	C	150 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY7Y3	TA	C	150 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY7Y4	TA	C	150 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY7Y5	TA	C	150 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACY7Y6	TA	C	150 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACY7Y7	TA	C	150 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACY8Y1	TA	C	185 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY8Y2	TA	C	185 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY8Y3	TA	C	185 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
TACY8Y4	TA	C	185 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
TACY8Y5	TA	C	185 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160

Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
TACY8Y6	TA	C	185 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACY8Y7	TA	C	185 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACY8Y8	TA	C	185 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACY9Y1	TA	C	240 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY9Y2	TA	C	240 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY9Y3	TA	C	240 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
TACY9Y4	TA	C	240 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
TACY9Y5	TA	C	240 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACY9Y6	TA	C	240 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACY9Y7	TA	C	240 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACY9Y8	TA	C	240 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACY9Y9	TA	C	240 mm <sup>2</sup> Concentric	240 mm <sup>2</sup> Concentric	2 X 150 or 300PLUSF20	PREFERRED	L160
TACY0Y2	TA	C	300 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACY0Y3	TA	C	300 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACY0Y4	TA	C	300 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACY0Y5	TA	C	300 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACY0Y6	TA	C	300 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACY0Y7	TA	C	300 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACY0Y8	TA	C	300 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
TADY0Y0	TA	D	300 mm <sup>2</sup> Concentric	300 mm <sup>2</sup> Concentric	2 X 200 or 400PLUSF20	PREFERRED	L159
TADY0Y9	TA	D	300 mm <sup>2</sup> Concentric	240 mm <sup>2</sup> Concentric	2 X 200 or 400PLUSF20	PREFERRED	L159
TACY2CY2C	TA	C	35 mm <sup>2</sup> Compact	35 mm <sup>2</sup> Compact	45 or 45PLUSF20	PREFERRED	L160
TACY4CY2C	TA	C	70 mm <sup>2</sup> Compact	35 mm <sup>2</sup> Compact	45 or 45PLUSF20	PREFERRED	L160
TACY4CY4C	TA	C	70 mm <sup>2</sup> Compact	70 mm <sup>2</sup> Compact	90 or 90PLUSF20	PREFERRED	L160
TACY6CY1C	TA	C	120 mm <sup>2</sup> Compact	25 mm <sup>2</sup> Compact	90 or 90PLUSF20	PREFERRED	L160
TACY6CY2C	TA	C	120 mm <sup>2</sup> Compact	35 mm <sup>2</sup> Compact	90 or 90PLUSF20	PREFERRED	L160
TACY6CY4C	TA	C	120 mm <sup>2</sup> Compact	70 mm <sup>2</sup> Compact	90 or 90PLUSF20	PREFERRED	L160
TACY6CY6C	TA	C	120 mm <sup>2</sup> Compact	120 mm <sup>2</sup> Compact	150 or 150PLUSF20	PREFERRED	L160
TACT1	TA	C	CBSC8	CBSC8	90 or 90PLUSF20	PREFERRED	L160
TACT2	TA	C	CBSC10	CBSC10	115 or 115PLUSF20	PREFERRED	L160
TACT2W3	TA	C	CBSC10	16 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
TACT2Y5	TA	C	CBSC10	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACT2Y6	TA	C	CBSC10	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACT3	TA	C	CBSC13	CBSC13	200 or 200PLUSF20	PREFERRED	L160
TACT3Y5	TA	C	CBSC13	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACT3Y6	TA	C	CBSC13	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACT4	TA	C	CBSC14	CBSC14	200 or 200PLUSF20	PREFERRED	L160
TACT4Y1	TA	C	CBSC14	25 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACT4Y3	TA	C	CBSC14	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACT4Y4	TA	C	CBSC14	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
TACT4Y5	TA	C	CBSC14	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACT4Y6	TA	C	CBSC14	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
TACT5	TA	C	CBSC16	CBSC16	250 or 250PLUSF20	PREFERRED	L160
TACT6	TA	C	CBSC18	CBSC18	2 X 150 or 300PLUSF20	PREFERRED	L160
TACT6Y3	TA	C	CBSC18	50 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
TACT6Y9	TA	C	CBSC18	240 mm <sup>2</sup> Concentric	2 X 150 or 300PLUSF20	PREFERRED	L160

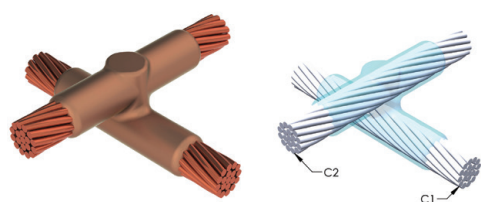
## XA MOLDS



Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
XACW2W2	XA	C	10 mm <sup>2</sup> Concentric	10 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
XACW3W3	XA	C	16 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
XACY1Y1	XA	C	25 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
XACY2W3	XA	C	35 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
XACY2Y1	XA	C	35 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
XACY2Y2	XA	C	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
XACY3Y1	XA	C	50 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
XACY3Y2	XA	C	50 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
XACY3Y3	XA	C	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
XACY4Y1	XA	C	70 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
XACY4Y2	XA	C	70 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
XACY4Y3	XA	C	70 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
XACY4Y4	XA	C	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
XACY5Y1	XA	C	95 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
XACY5Y2	XA	C	95 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
XACY5Y3	XA	C	95 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
XACY5Y4	XA	C	95 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
XACY5Y5	XA	C	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
XACY6Y1	XA	C	120 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
XACY6Y2	XA	C	120 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
XACY6Y3	XA	C	120 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
XACY6Y4	XA	C	120 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
XACY6Y5	XA	C	120 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
XACY6Y6	XA	C	120 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
XACY7Y2	XA	C	150 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
XACY7Y3	XA	C	150 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
XACY7Y4	XA	C	150 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
XACY7Y5	XA	C	150 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
XACY7Y6	XA	C	150 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
XACY7Y7	XA	C	150 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
XACY8Y2	XA	C	185 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
XACY8Y3	XA	C	185 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
XACY8Y4	XA	C	185 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
XACY8Y5	XA	C	185 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
XACY8Y6	XA	C	185 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
XACY8Y7	XA	C	185 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
XACY8Y8	XA	C	185 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
XADY9Y9	XA	D	240 mm <sup>2</sup> Concentric	240 mm <sup>2</sup> Concentric	500 or 500PLUSF20	PREFERRED	L159
XADY0Y0	XA	D	300 mm <sup>2</sup> Concentric	300 mm <sup>2</sup> Concentric	500 or 500PLUSF20	PREFERRED	L159

Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
XACY6CY4C	XA	C	120 mm <sup>2</sup> Compact	70 mm <sup>2</sup> Compact	200 or 200PLUSF20	PREFERRED	L160
XACY6CY6C	XA	C	120 mm <sup>2</sup> Compact	120 mm <sup>2</sup> Compact	200 or 200PLUSF20	PREFERRED	L160
XACT1	XA	C	CBSC8	CBSC8	115 or 115PLUSF20	PREFERRED	L160
XACT2	XA	C	CBSC10	CBSC10	150 or 150PLUSF20	PREFERRED	L160
XACT2T1	XA	C	CBSC10	CBSC8	150 or 150PLUSF20	PREFERRED	L160
XACT3	XA	C	CBSC13	CBSC13	250 or 250PLUSF20	PREFERRED	L160
XACT3T1	XA	C	CBSC13	CBSC8	250 or 250PLUSF20	PREFERRED	L160
XACT3T2	XA	C	CBSC13	CBSC10	250 or 250PLUSF20	PREFERRED	L160
XACT4	XA	C	CBSC14	CBSC14	250 or 250PLUSF20	PREFERRED	L160
XACT4T2	XA	C	CBSC14	CBSC10	250 or 250PLUSF20	PREFERRED	L160
XACT4T3	XA	C	CBSC14	CBSC13	250 or 250PLUSF20	PREFERRED	L160

## XB MOLDS



Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
XBCW3W3	XB	C	16 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	65 or 65PLUSF20	EASY	L160
XBCY1Y1	XB	C	25 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	65 or 65PLUSF20	EASY	L160
XBCY2Y1	XB	C	35 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	EASY	L160
XBCY2Y2	XB	C	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	EASY	L160
XBCY3Y1	XB	C	50 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	115 or 115PLUSF20	EASY	L160
XBCY3Y2	XB	C	50 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	115 or 115PLUSF20	EASY	L160
XBCY3Y3	XB	C	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	EASY	L160
XBQY4Y2	XB	Q	70 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	150 or 150PLUSF20	EASY	L160
XB3Y4Y3	XB	3	70 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	200 or 200PLUSF20	EASY	Includes Frame & Requires L163
XB3Y4Y4	XB	3	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	200 or 200PLUSF20	EASY	Includes Frame & Requires L163
XB3Y5Y2	XB	3	95 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	200 or 200PLUSF20	EASY	Includes Frame & Requires L163
XB3Y5Y3	XB	3	95 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	200 or 200PLUSF20	EASY	Includes Frame & Requires L163
XB3Y5Y4	XB	3	95 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	250 or 250PLUSF20	EASY	Includes Frame & Requires L163
XB3Y5Y5	XB	3	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	250 or 250PLUSF20	EASY	Includes Frame & Requires L163
XB3Y6Y3	XB	3	120 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	250 or 250PLUSF20	EASY	Includes Frame & Requires L163
XB3Y6Y4	XB	3	120 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	2 X 150 or 300PLUSF20	EASY	Includes Frame & Requires L163
XB3Y6Y5	XB	3	120 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	2 X 150 or 300PLUSF20	EASY	Includes Frame & Requires L163
XB3Y6Y6	XB	3	120 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	2 X 150 or 300PLUSF20	EASY	Includes Frame & Requires L163

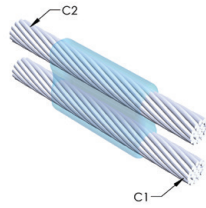
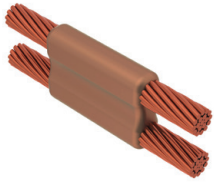
Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
XB4Y7Y5	XB	4	150 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	2 X 200 or 400PLUSF20	EASY	Includes Frame & Requires L164
XB4Y7Y6	XB	4	150 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	2 X 200 or 400PLUSF20	EASY	Includes Frame & Requires L164
XB4Y7Y7	XB	4	150 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	2 X 200 or 400PLUSF20	EASY	Includes Frame & Requires L164
XB4Y8Y5	XB	4	185 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4Y8Y6	XB	4	185 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4Y8Y7	XB	4	185 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4Y8Y8	XB	4	185 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4Y9Y5	XB	4	240 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4Y9Y6	XB	4	240 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4Y9Y7	XB	4	240 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	3 X 200 or 600PLUSF20	EASY	Includes Frame & Requires L164
XB4Y9Y8	XB	4	240 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	3 X 200 or 600PLUSF20	EASY	Includes Frame & Requires L164
XB4Y9Y9	XB	4	240 mm <sup>2</sup> Concentric	240 mm <sup>2</sup> Concentric	3 X 200 or 600PLUSF20	EASY	Includes Frame & Requires L164
XBVY0Y0	XB	V	300 mm <sup>2</sup> Concentric	300 mm <sup>2</sup> Concentric	3 X 200 or 600PLUSF20	EASY	Includes Frame
XBVY0Y5	XB	V	300 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	500 or 500PLUSF20	EASY	Includes Frame
XBQY4CY4C	XB	Q	70 mm <sup>2</sup> Compact	70 mm <sup>2</sup> Compact	200 or 200PLUSF20	EASY	L160
XBQY6CY2C	XB	Q	120 mm <sup>2</sup> Compact	35 mm <sup>2</sup> Compact	250 or 250PLUSF20	EASY	L160
XBQY6CY4C	XB	Q	120 mm <sup>2</sup> Compact	70 mm <sup>2</sup> Compact	2 X 150 or 300PLUSF20	EASY	L160
XBQY6CY6C	XB	Q	120 mm <sup>2</sup> Compact	120 mm <sup>2</sup> Compact	2 X 150 or 300PLUSF20	EASY	L160
XB3T1T1	XB	3	CBSC8	CBSC8	250 or 250PLUSF20	EASY	Includes Frame & Requires L163
XB3T2T1	XB	3	CBSC10	CBSC8	2 X 150 or 300PLUSF20	EASY	Includes Frame & Requires L163
XB3T2T2	XB	3	CBSC10	CBSC10	2 X 150 or 300PLUSF20	EASY	Includes Frame & Requires L163
XB4T3T1	XB	4	CBSC13	CBSC8	2 X 200 or 400PLUSF20	EASY	Includes Frame & Requires L164
XB4T3T2	XB	4	CBSC13	CBSC10	2 X 200 or 400PLUSF20	EASY	Includes Frame & Requires L164
XB4T3T3	XB	4	CBSC13	CBSC13	2 X 200 or 400PLUSF20	EASY	Includes Frame & Requires L164
XB4T4T2	XB	4	CBSC14	CBSC10	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4T4T3	XB	4	CBSC14	CBSC13	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4T4T4	XB	4	CBSC14	CBSC14	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4T5T2	XB	4	CBSC16	CBSC10	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4T5T3	XB	4	CBSC16	CBSC13	500 or 500PLUSF20	EASY	Includes Frame & Requires L164
XB4T5T5	XB	4	CBSC16	CBSC16	500 or 500PLUSF20	EASY	Includes Frame & Requires L164

## PG MOLDS



Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
PGCY1Y1	PG	C	25 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	45 or 45PLUSF20	EASY	L160
PGCY2	PG	C	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	EASY	L160
PGCY2Y1	PG	C	35 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	65 or 65PLUSF20	EASY	L160
PGCY3Y1	PG	C	50 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	EASY	L160
PGCY3Y2	PG	C	50 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	EASY	L160
PGCY3Y3	PG	C	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	EASY	L160
PGCY3Y4	PG	C	50 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	EASY	L160
PGCY4Y1	PG	C	70 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	EASY	L160
PGCY4Y2	PG	C	70 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	EASY	L160
PGCY4Y4	PG	C	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	EASY	L160
PGCY5Y2	PG	C	95 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	115 or 115PLUSF20	EASY	L160
PGCY5Y3	PG	C	95 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	EASY	L160
PGCY5Y4	PG	C	95 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	EASY	L160
PGCY5Y5	PG	C	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	EASY	L160
PGCY6Y2	PG	C	120 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	150 or 150PLUSF20	EASY	L160
PGCY6Y3	PG	C	120 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	EASY	L160
PGCY6Y4	PG	C	120 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	200 or 200PLUSF20	EASY	L160
PGCY6Y5	PG	C	120 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	EASY	L160
PGCY6Y6	PG	C	120 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	EASY	L160
PGCY7Y2	PG	C	150 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	200 or 200PLUSF20	EASY	L160
PGCY7Y4	PG	C	150 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	250 or 250PLUSF20	EASY	L160
PGCY7Y5	PG	C	150 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	EASY	L160
PGCY7Y7	PG	C	150 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	250 or 250PLUSF20	EASY	L160
PGCY8Y6	PG	C	185 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	250 or 250PLUSF20	EASY	L160
PGDY8Y8	PG	D	185 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	2 X 200 or 400PLUSF20	EASY	L159
PGDY9Y9	PG	D	240 mm <sup>2</sup> Concentric	240 mm <sup>2</sup> Concentric	500 or 500PLUSF20	EASY	L159
PGPY2Y2	PG	P	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	45 or 45PLUSF20	EASY	Clamp Included

## PT MOLDS



Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
PTCW3W3	PT	C	16 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	32 or 32PLUSF20	PREFERRED	L160
PTCY1Y1	PT	C	25 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	45 or 45PLUSF20	PREFERRED	L160
PTCY2Y1	PT	C	35 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
PTCY2Y2	PT	C	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	PREFERRED	L160
PTCY3Y1	PT	C	50 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
PTCY3Y2	PT	C	50 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
PTCY3Y3	PT	C	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
PTCY4Y1	PT	C	70 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
PTCY4Y2	PT	C	70 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
PTCY4Y3	PT	C	70 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
PTCY4Y4	PT	C	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
PTCY4Y5	PT	C	70 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY52G	PT	C	95 mm <sup>2</sup> Concentric	2/0 Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY5W3	PT	C	95 mm <sup>2</sup> Concentric	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	PREFERRED	L160
PTCY5Y2	PT	C	95 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	115 or 115PLUSF20	PREFERRED	L160
PTCY5Y3	PT	C	95 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY5Y4	PT	C	95 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY5Y5	PT	C	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
PTCY6Y1	PT	C	120 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY6Y2	PT	C	120 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY6Y3	PT	C	120 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY6Y4	PT	C	120 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY6Y5	PT	C	120 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
PTCY6Y6	PT	C	120 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
PTCY7Y2	PT	C	150 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY7Y3	PT	C	150 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY7Y4	PT	C	150 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY7Y5	PT	C	150 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
PTCY7Y6	PT	C	150 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
PTCY7Y7	PT	C	150 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	2 X 150 or 300PLUSF20	PREFERRED	L160
PTCY8Y2	PT	C	185 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY8Y3	PT	C	185 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY8Y4	PT	C	185 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY8Y5	PT	C	185 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
PTCY8Y6	PT	C	185 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
PTCY8Y7	PT	C	185 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	2 X 150 or 300PLUSF20	PREFERRED	L160
PTCY8Y8	PT	C	185 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	2 X 150 or 300PLUSF20	PREFERRED	L160
PTCY9Y3	PT	C	240 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160
PTCY9Y4	PT	C	240 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	PREFERRED	L160

Global Part Number	Mold Family	Price Key	Conductor 1	Conductor 2	Welding Material	Ease of Use	Handle Clamp (Sold separately unless noted)
PTCY9Y5	PT	C	240 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	200 or 200PLUSF20	PREFERRED	L160
PTCY9Y6	PT	C	240 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	250 or 250PLUSF20	PREFERRED	L160
PTCY9Y7	PT	C	240 mm <sup>2</sup> Concentric	150 mm <sup>2</sup> Concentric	2 X 150 or 300PLUSF20	PREFERRED	L160
PTDY9Y8	PT	D	240 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	2 X 200 or 400PLUSF20	PREFERRED	L159
PTDY9Y9	PT	D	240 mm <sup>2</sup> Concentric	240 mm <sup>2</sup> Concentric	2 X 200 or 400PLUSF20	PREFERRED	L159
PTDY0Y0	PT	D	300 mm <sup>2</sup> Concentric	300 mm <sup>2</sup> Concentric	500 or 500PLUSF20	PREFERRED	L159
PTDY0Y8	PT	D	300 mm <sup>2</sup> Concentric	185 mm <sup>2</sup> Concentric	2 X 200 or 400PLUSF20	PREFERRED	L159
PTCY4CY3C	PT	C	70 mm <sup>2</sup> Compact	50 mm <sup>2</sup> Compact	115 or 115PLUSF20	PREFERRED	L160
PTCY4CY4C	PT	C	70 mm <sup>2</sup> Compact	70 mm <sup>2</sup> Compact	115 or 115PLUSF20	PREFERRED	L160
PTCY6CY6C	PT	C	120 mm <sup>2</sup> Compact	120 mm <sup>2</sup> Compact	250 or 250PLUSF20	PREFERRED	L160

### CABLE TO GROUND ROD SPLICE



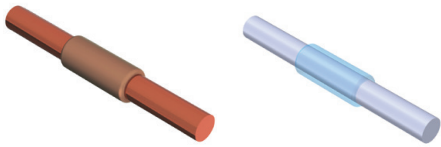
- Forms a permanent, low resistance connection
- Provides a molecular bond
- Cadweld Exothermic Connections are rated with the same current capacity as the conductor
- Portable installation equipment with no external source of power required
- Installers can be easily trained to make Cadweld Exothermic Connections
- Connections are visually inspected

### GB MOLDS



Global Part Number	Mold Family	Price Key	Ground Rod Type	Ground Rod Diameter (Nominal)	Ground Rod Diameter (mm)	Welding Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately	Other Accessories, Sold Separately
HDGBD16	GB	D	Copper-bonded	5/8"	14.3 mm	150 x 2 or 300PLUSF20	Preferred	L159	B120
HDGBF18	GB	F	Copper-bonded	3/4"	17.3 mm	200 x 2 or 400PLUSF20	Preferred	L159	B120
HDGBF22	GB	F	Copper-bonded	1"	23.2 mm	250 x 3 or 750PLUSF20	Preferred	L159	B120
HDGBD31	GB	D	Steel	5/8"	15.9 mm	150 x 2 or 300PLUSF20	Preferred	L159	B120
HDGBF33	GB	F	Steel	3/4"	19.0 mm	200 x 2 or 400PLUSF20	Preferred	L159	B120
HDGBF37	GB	F	Steel	1"	25.4 mm	250 x 3 or 750PLUSF20	Preferred	L159	B120

## GE MOLDS



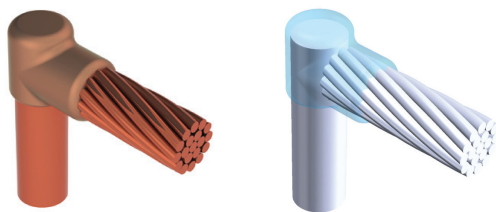
Global Part Number	Mold Family	Price Key	Ground Rod Type	Ground Rod Diameter (Nominal)	Ground Rod Diameter (mm)	Welding Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately
GEC14	GE	C	Copper-bonded or Steel	1/2"	12.8 mm	150 or 150PLUSF20	Preferred	L160
GEC16	GE	C	Copper-bonded	5/8"	14.3 mm	150 or 150PLUSF20	Preferred	L160
GEC18	GE	C	Copper-bonded	3/4"	17.3 mm	200 or 200PLUSF20	Preferred	L160
GEC31	GE	C	Steel	5/8"	15.9 mm	200 or 200PLUSF20	Preferred	L160
GEC100	GE	C	Steel	10.0 mm	10.0 mm	115 or 115PLUSF20	Preferred	L160
GEC150	GE	C	Steel	15.0 mm	15.0 mm	200 or 200PLUSF20	Preferred	L160
GEC160	GE	C	Steel	16.0 mm	16.0 mm	150 or 150PLUSF20	Preferred	L160

## CABLE TO GROUND ROD OR OTHER ROUNDS



- Forms a permanent, low resistance connection
- Provides a molecular bond
- 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 Cadweld Exothermic Connections
- Connections are visually inspected

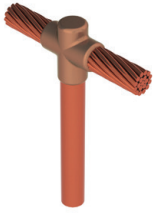
## GR MOLDS



Global Part Number	Mold Family	Price Key	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Welding Material	Ease of Use	Handle Clamp	Other Accessories Required
GRC14W3	GR	C	Steel	1/2"	12.8 mm	16 mm <sup>2</sup> Concentric	65 or 65PLUSF20	Preferred	L160	B399P
GRC14Y1	GR	C	Steel	1/2"	12.8 mm	25 mm <sup>2</sup> Concentric	65 or 65PLUSF20	Preferred	L160	B399P
GRC14Y2	GR	C	Steel	1/2"	12.8 mm	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	Preferred	L160	B399P
GRC14Y3	GR	C	Steel	1/2"	12.8 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC14Y4	GR	C	Steel	1/2"	12.8 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC14Y5	GR	C	Steel	1/2"	12.8 mm	95 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC14Y6	GR	C	Steel	1/2"	12.8 mm	120 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P

Global Part Number	Mold Family	Price Key	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Welding Material	Ease of Use	Handle Clamp	Other Accessories Required
GRC16W3	GR	C	Copper-bonded	5/8"	14.3 mm	16 mm <sup>2</sup> Concentric	65 or 65PLUSF20	Preferred	L160	B399P
GRC16Y1	GR	C	Copper-bonded	5/8"	14.3 mm	25 mm <sup>2</sup> Concentric	65 or 65PLUSF20	Preferred	L160	B399P
GRC16Y2	GR	C	Copper-bonded	5/8"	14.3 mm	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	Preferred	L160	B399P
GRC16Y3	GR	C	Copper-bonded	5/8"	14.3 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC16Y4	GR	C	Copper-bonded	5/8"	14.3 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC16Y5	GR	C	Copper-bonded	5/8"	14.3 mm	95 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC16Y6	GR	C	Copper-bonded	5/8"	14.3 mm	120 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC16Y7	GR	C	Copper-bonded	5/8"	14.3 mm	150 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GRC16Y8	GR	C	Copper-bonded	5/8"	14.3 mm	185 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GRC16Y9	GR	C	Copper-bonded	5/8"	14.3 mm	240 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GRC18W3	GR	C	Copper-bonded	3/4"	17.3 mm	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC18Y1	GR	C	Copper-bonded	3/4"	17.3 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC18Y2	GR	C	Copper-bonded	3/4"	17.3 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC18Y3	GR	C	Copper-bonded	3/4"	17.3 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC18Y4	GR	C	Copper-bonded	3/4"	17.3 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC18Y5	GR	C	Copper-bonded	3/4"	17.3 mm	95 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC18Y6	GR	C	Copper-bonded	3/4"	17.3 mm	120 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRC18Y7	GR	C	Copper-bonded	3/4"	17.3 mm	150 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GRC18Y8	GR	C	Copper-bonded	3/4"	17.3 mm	185 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GRC18Y9	GR	C	Copper-bonded	3/4"	17.3 mm	240 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GRC18Y0	GR	C	Copper-bonded	3/4"	17.3 mm	300 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160	B399P
GRCP160Y6	GR	C	Steel	16.000 mm	16.0 mm	120 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRCP160Y7	GR	C	Steel	16.000 mm	16.0 mm	150 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GRCP190Y4	GR	C	Steel	19.000 mm	19.0 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GRCP200Y6	GR	C	Steel	20.000 mm	20.0 mm	120 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GRCP200Y7	GR	C	Steel	20.000 mm	20.0 mm	150 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GRCP200Y9	GR	C	Steel	20.000 mm	20.0 mm	240 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GRCP250Y8	GR	C	Steel	25.000 mm	25.0 mm	185 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P

## GT MOLDS

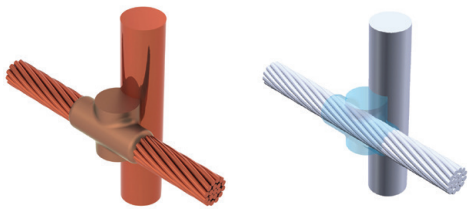


Global Part Number	Mold Family	Price Key	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Welding Material	Ease of Use	Handle Clamp	Other Accessories Required
GTC14W3	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC14Y1	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC14Y2	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC14Y3	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC14Y4	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC14Y5	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTC14Y6	GT	C	Copper-bonded or Steel	1/2"	12.8 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTC16W3	GT	C	Copper-bonded	5/8"	14.3 mm	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC16Y1	GT	C	Copper-bonded	5/8"	14.3 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC16Y2	GT	C	Copper-bonded	5/8"	14.3 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC16Y3	GT	C	Copper-bonded	5/8"	14.3 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC16Y4	GT	C	Copper-bonded	5/8"	14.3 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTC16Y5	GT	C	Copper-bonded	5/8"	14.3 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTC16Y6	GT	C	Copper-bonded	5/8"	14.3 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTC16Y7	GT	C	Copper-bonded	5/8"	14.3 mm	150 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTC16Y8	GT	C	Copper-bonded	5/8"	14.3 mm	185 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTC16Y9	GT	C	Copper-bonded	5/8"	14.3 mm	240 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160	B399P
GTC16Y0	GT	C	Copper-bonded	5/8"	14.3 mm	300 mm <sup>2</sup> Concentric	150 x 2 or 300PLUSF20	Preferred	L160	B399P
GTC18W3	GT	C	Copper-bonded	3/4"	17.3 mm	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC18Y1	GT	C	Copper-bonded	3/4"	17.3 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC18Y2	GT	C	Copper-bonded	3/4"	17.3 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC18Y3	GT	C	Copper-bonded	3/4"	17.3 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC18Y4	GT	C	Copper-bonded	3/4"	17.3 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTC18Y5	GT	C	Copper-bonded	3/4"	17.3 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTC18Y6	GT	C	Copper-bonded	3/4"	17.3 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTC18Y7	GT	C	Copper-bonded	3/4"	17.3 mm	150 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P

Global Part Number	Mold Family	Price Key	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Welding Material	Ease of Use	Handle Clamp	Other Accessories Required
GTC18Y8	GT	C	Copper-bonded	3/4"	17.3 mm	185 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTC18Y9	GT	C	Copper-bonded	3/4"	17.3 mm	240 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160	B399P
GTC18Y0	GT	C	Copper-bonded	3/4"	17.3 mm	300 mm <sup>2</sup> Concentric	150 x 2 or 300PLUSF20	Preferred	L160	B399P
GTC22Y3	GT	C	Copper-bonded	1"	23.2 mm	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTC22Y4	GT	C	Copper-bonded	1"	23.2 mm	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTC22Y5	GT	C	Copper-bonded	1"	23.2 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTC22Y6	GT	C	Copper-bonded	1"	23.2 mm	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTC33Y2	GT	C	Steel	3/4"	19.1 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTC33Y3	GT	C	Steel	3/4"	19.1 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTC33Y4	GT	C	Steel	3/4"	19.1 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTC37Y3	GT	C	Steel	1"	25.4 mm	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTC37Y4	GT	C	Steel	1"	25.4 mm	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTCP150Y0	GT	C	Steel	15.000 mm	15.0 mm	300 mm <sup>2</sup> Concentric	150 x 2 or 300PLUSF20	Preferred	L160	B399P
GTCP150Y1	GT	C	Steel	15.000 mm	15.0 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTCP150Y2	GT	C	Steel	15.000 mm	15.0 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTCP150Y4	GT	C	Steel	15.000 mm	15.0 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTCP150Y5	GT	C	Steel	15.000 mm	15.0 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTCP150Y6	GT	C	Steel	15.000 mm	15.0 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTCP160Y3	GT	C	Steel	16.000 mm	16.0 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTCP160Y4	GT	C	Steel	16.000 mm	16.0 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTCP160Y5	GT	C	Steel	16.000 mm	16.0 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTCP160Y6	GT	C	Steel	16.000 mm	16.0 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTCP160Y7	GT	C	Steel	16.000 mm	16.0 mm	150 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTCP160Y8	GT	C	Steel	16.000 mm	16.0 mm	185 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTCP160Y9	GT	C	Steel	16.000 mm	16.0 mm	240 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160	B399P
GTCP190Y3	GT	C	Steel	19.000 mm	19.0 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTCP190Y4	GT	C	Steel	19.000 mm	19.0 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTCP190Y5	GT	C	Steel	19.000 mm	19.0 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTCP190Y6	GT	C	Steel	19.000 mm	19.0 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTCP190Y7	GT	C	Steel	19.000 mm	19.0 mm	150 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTCP190Y8	GT	C	Steel	19.000 mm	19.0 mm	185 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTCP190Y9	GT	C	Steel	19.000 mm	19.0 mm	240 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160	B399P

Global Part Number	Mold Family	Price Key	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Welding Material	Ease of Use	Handle Clamp	Other Accessories Required
GTCP190Y0	GT	C	Steel	19.000 mm	19.0 mm	300 mm <sup>2</sup> Concentric	150 x 2 or 300PLUSF20	Preferred	L160	B399P
GTCP200Y1	GT	C	Steel	20.000 mm	20.0 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTCP200Y2	GT	C	Steel	20.000 mm	20.0 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160	B399P
GTCP200Y3	GT	C	Steel	20.000 mm	20.0 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTCP200Y4	GT	C	Steel	20.000 mm	20.0 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTCP200Y5	GT	C	Steel	20.000 mm	20.0 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160	B399P
GTCP200Y6	GT	C	Steel	20.000 mm	20.0 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTCP200Y7	GT	C	Steel	20.000 mm	20.0 mm	150 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTCP200Y8	GT	C	Steel	20.000 mm	20.0 mm	185 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTCP250Y5	GT	C	Steel	25.000 mm	25.0 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160	B399P
GTCP250Y6	GT	C	Steel	25.000 mm	25.0 mm	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTCP250Y7	GT	C	Steel	25.000 mm	25.0 mm	150 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTCP250Y8	GT	C	Steel	25.000 mm	25.0 mm	185 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160	B399P
GTCP250Y9	GT	C	Steel	25.000 mm	25.0 mm	240 mm <sup>2</sup> Concentric	150 x 2 or 300PLUSF20	Preferred	L160	B399P
GTC14T1	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	CBSC8	115 or 115PLUSF20	Preferred	L160	B399P
GTC14T2	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	CBSC10	150 or 150PLUSF20	Preferred	L160	B399P
GTC14T3	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	CBSC13	250 or 250PLUSF20	Preferred	L160	B399P
GTC14T4	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	CBSC14	250 or 250PLUSF20	Preferred	L160	B399P
GTC14T5	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	CBSC16	150 x 2 or 300PLUSF20	Preferred	L160	B399P
GTC14T6	GT	C	Copper-bonded/Steel	1/2"	12.8 mm	CBSC18	150 x 2 or 300PLUSF20	Preferred	L160	B399P
GTC16T1	GT	C	Copper-bonded	5/8"	14.3 mm	CBSC8	115 or 115PLUSF20	Preferred	L160	B399P
GTC16T2	GT	C	Copper-bonded	5/8"	14.3 mm	CBSC10	150 or 150PLUSF20	Preferred	L160	B399P
GTC16T3	GT	C	Copper-bonded	5/8"	14.3 mm	CBSC13	250 or 250PLUSF20	Preferred	L160	B399P
GTC16T4	GT	C	Copper-bonded	5/8"	14.3 mm	CBSC14	250 or 250PLUSF20	Preferred	L160	B399P
GTC16T5	GT	C	Copper-bonded	5/8"	14.3 mm	CBSC16	150 x 2 or 300PLUSF20	Preferred	L160	B399P
GTC16T6	GT	C	Copper-bonded	5/8"	14.3 mm	CBSC18	150 x 2 or 300PLUSF20	Preferred	L160	B399P
GTC18T1	GT	C	Copper-bonded	3/4"	17.3 mm	CBSC8	115 or 115PLUSF20	Preferred	L160	B399P
GTC18T2	GT	C	Copper-bonded	3/4"	17.3 mm	CBSC10	150 or 150PLUSF20	Preferred	L160	B399P
GTC18T3	GT	C	Copper-bonded	3/4"	17.3 mm	CBSC13	250 or 250PLUSF20	Preferred	L160	B399P
GTC18T4	GT	C	Copper-bonded	3/4"	17.3 mm	CBSC14	250 or 250PLUSF20	Preferred	L160	B399P
GTC18T5	GT	C	Copper-bonded	3/4"	17.3 mm	CBSC16	150 x 2 or 300PLUSF20	Preferred	L160	B399P
GTC18T6	GT	C	Copper-bonded	3/4"	17.3 mm	CBSC18	150 x 2 or 300PLUSF20	Preferred	L160	B399P

**GY MOLDS**



Global Part Number	Mold Family	Price Key	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Welding Material	Ease of Use	Handle Clamp
GYE14Y1	GY	E	Copper-bonded or Steel	1/2"	12.8 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYE14Y2	GY	E	Copper-bonded or Steel	1/2"	12.8 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYE14Y3	GY	E	Copper-bonded or Steel	1/2"	12.8 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYE14Y4	GY	E	Copper-bonded or Steel	1/2"	12.8 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYE14Y6	GY	E	Copper-bonded or Steel	1/2"	12.8 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYE16W3	GY	E	Copper-bonded	5/8"	14.3 mm	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYE16Y1	GY	E	Copper-bonded	5/8"	14.3 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYE16Y2	GY	E	Copper-bonded	5/8"	14.3 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYE16Y3	GY	E	Copper-bonded	5/8"	14.3 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYE16Y4	GY	E	Copper-bonded	5/8"	14.3 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYE16Y5	GY	E	Copper-bonded	5/8"	14.3 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYE16Y6	GY	E	Copper-bonded	5/8"	14.3 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYE16Y7	GY	E	Copper-bonded	5/8"	14.3 mm	150 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYE16Y8	GY	E	Copper-bonded	5/8"	14.3 mm	185 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160
GYE18W3	GY	E	Copper-bonded	3/4"	17.3 mm	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYE18Y1	GY	E	Copper-bonded	3/4"	17.3 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYE18Y2	GY	E	Copper-bonded	3/4"	17.3 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYE18Y3	GY	E	Copper-bonded	3/4"	17.3 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYE18Y4	GY	E	Copper-bonded	3/4"	17.3 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYE18Y5	GY	E	Copper-bonded	3/4"	17.3 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYE18Y6	GY	E	Copper-bonded	3/4"	17.3 mm	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160
GYE18Y7	GY	E	Copper-bonded	3/4"	17.3 mm	150 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160
GYJ18Y8	GY	J	Copper-bonded	3/4"	17.3 mm	185 mm <sup>2</sup> Concentric	200 x 2 or 400PLUSF20	Preferred	L159
GYJ18Y9	GY	J	Copper-bonded	3/4"	17.3 mm	240 mm <sup>2</sup> Concentric	500 or 500PLUSF20	Preferred	L159
GYJ18Y0	GY	J	Copper-bonded	3/4"	17.3 mm	300 mm <sup>2</sup> Concentric	500 or 500PLUSF20	Preferred	L159
GYE22Y3	GY	E	Copper-bonded	1"	23.2 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYE22Y5	GY	E	Copper-bonded	1"	23.2 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYE33Y6	GY	E	Steel	3/4"	19.1 mm	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160

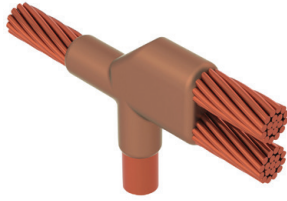
Global Part Number	Mold Family	Price Key	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Welding Material	Ease of Use	Handle Clamp
GYE33Y8	GY	E	Steel	3/4"	19.1 mm	185 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160
GYE37Y3	GY	E	Steel	1"	25.4 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYEP160Y4	GY	E	Steel	16.000 mm	16.0 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYEP190Y4	GY	E	Steel	19.000 mm	19.0 mm	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYR14W3	GY	R	Copper-bonded or Steel	1/2"	12.8 mm	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYR14Y1	GY	R	Copper-bonded or Steel	1/2"	12.8 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYR14Y2	GY	R	Copper-bonded or Steel	1/2"	12.8 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYR14Y3	GY	R	Copper-bonded or Steel	1/2"	12.8 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYR14Y4	GY	R	Copper-bonded or Steel	1/2"	12.8 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYR14Y5	GY	R	Copper-bonded or Steel	1/2"	12.8 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYR14Y6	GY	R	Copper-bonded or Steel	1/2"	12.8 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYR16W3	GY	R	Copper-bonded	5/8"	14.3 mm	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYR16Y1	GY	R	Copper-bonded	5/8"	14.3 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYR16Y2	GY	R	Copper-bonded	5/8"	14.3 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYR16Y3	GY	R	Copper-bonded	5/8"	14.3 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYR16Y4	GY	R	Copper-bonded	5/8"	14.3 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYR16Y5	GY	R	Copper-bonded	5/8"	14.3 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYR16Y6	GY	R	Copper-bonded	5/8"	14.3 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYR16Y7	GY	R	Copper-bonded	5/8"	14.3 mm	150 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYR16Y8	GY	R	Copper-bonded	5/8"	14.3 mm	185 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160
GYR18W3	GY	R	Copper-bonded	3/4"	17.3 mm	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYR18Y1	GY	R	Copper-bonded	3/4"	17.3 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYR18Y2	GY	R	Copper-bonded	3/4"	17.3 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	Preferred	L160
GYR18Y3	GY	R	Copper-bonded	3/4"	17.3 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYR18Y4	GY	R	Copper-bonded	3/4"	17.3 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYR18Y5	GY	R	Copper-bonded	3/4"	17.3 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYR18Y6	GY	R	Copper-bonded	3/4"	17.3 mm	120 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160
GYR18Y7	GY	R	Copper-bonded	3/4"	17.3 mm	150 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160
GYRP160Y4	GY	R	Steel	16.000 mm	16.0 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
GYRP160Y6	GY	R	Steel	16.000 mm	16.0 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYRP190Y4	GY	R	Steel	19.000 mm	19.0 mm	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
GYRP190Y5	GY	R	Steel	19.000 mm	19.0 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160

## GN MOLDS



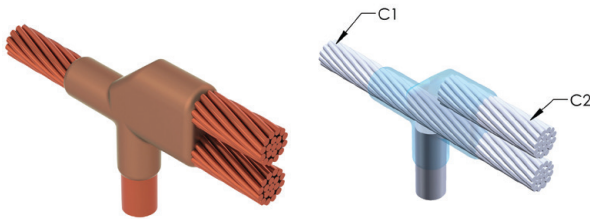
Global Part Number	Mold Family	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Welding Material	Handle Clamp
K217	GN	Copper-bonded	5/8"	14.3 mm	10 mm <sup>2</sup> Concentric	Complete Kit	Included in Kit
K217R	GN	Copper-bonded	5/8"	14.3 mm	10 mm <sup>2</sup> Concentric	Mold and Welding Material Only	
K218	GN	Copper-bonded	5/8"	14.3 mm	16 mm <sup>2</sup> Concentric	Complete Kit	Included in Kit
K218R	GN	Copper-bonded	5/8"	14.3 mm	16 mm <sup>2</sup> Concentric	Mold and Welding Material Only	
K220	GN	Copper-bonded	1/2"	12.8 mm	10 mm <sup>2</sup> Concentric	Complete Kit	Included in Kit
K220R	GN	Copper-bonded	1/2"	12.8 mm	10 mm <sup>2</sup> Concentric	Mold and Welding Material Only	
K221	GN	Copper-bonded	1/2"	12.8 mm	16 mm <sup>2</sup> Concentric	Complete Kit	Included in Kit
K221R	GN	Copper-bonded	1/2"	12.8 mm	16 mm <sup>2</sup> Concentric	Mold and Welding Material Only	
K222	GN	Copper-bonded	3/4"	17.3 mm	10 mm <sup>2</sup> Concentric	Complete Kit	Included in Kit
K222R	GN	Copper-bonded	3/4"	17.3 mm	10 mm <sup>2</sup> Concentric	Mold and Welding Material Only	
K223	GN	Copper-bonded	3/4"	17.3 mm	16 mm <sup>2</sup> Concentric	Complete Kit	Included in Kit
K223R	GN	Copper-bonded	3/4"	17.3 mm	16 mm <sup>2</sup> Concentric	Mold and Welding Material Only	

## CABLE TO CABLE TO GROUND ROD OR OTHER ROUNDS



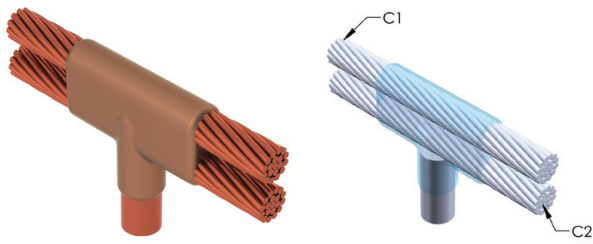
- Forms a permanent, low resistance connection
- Provides a molecular bond
- Cadweld Exothermic Connections are rated with the same current capacity as the conductor
- Portable installation equipment with no external source of power required
- Installers can be easily trained to make Cadweld Exothermic Connections
- Connections are visually inspected

### NC MOLDS



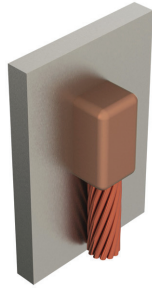
Global Part Number	Mold family	Price Key	Conductor 1	Conductor 2	Ground Rod Size, Nominal	Ground Rod Size Actual	Ground Rod Type	Welding Material Required	Ease of Use	Handle Clamp
NCR16Y2	NC	R	5/8" dia	14.3 mm	Copper-bonded	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
NCR16Y3	NC	R	5/8" dia	14.3 mm	Copper-bonded	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
NCR16Y4	NC	R	5/8" dia	14.3 mm	Copper-bonded	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160
NCR16Y5	NC	R	5/8" dia	14.3 mm	Copper-bonded	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160
NCR18Y2	NC	R	3/4" dia	17.3 mm	Copper-bonded	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	115 or 115PLUSF20	Preferred	L160
NCR18Y3	NC	R	3/4" dia	17.3 mm	Copper-bonded	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
NCR18Y4	NC	R	3/4" dia	17.3 mm	Copper-bonded	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160
NCR18Y5	NC	R	3/4" dia	17.3 mm	Copper-bonded	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160
NCR18Y6	NC	R	3/4" dia	17.3 mm	Copper-bonded	120 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	2 - 150 or 300PLUSF20	Preferred	L160
NCRP160Y4	NC	R	16 mm dia	16 mm	Steel	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160

## ND MOLDS



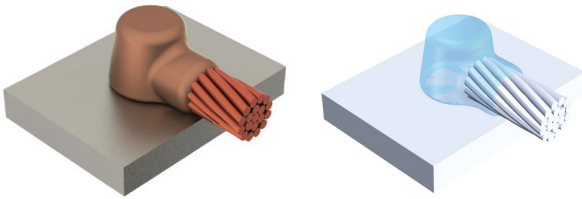
Global Part Number	Mold family	Price Key	Conductor 1	Conductor 2	Ground Rod Size, Nominal	Ground Rod Size Actual	Ground Rod Type	Welding Material Required	Ease of Use	Handle Clamp
NDR16Y1	ND	R	5/8" dia	14.3 mm	Copper-bonded	25 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
NDR16Y2	ND	R	5/8" dia	14.3 mm	Copper-bonded	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
NDR16Y3	ND	R	5/8" dia	14.3 mm	Copper-bonded	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160
NDR16Y4	ND	R	5/8" dia	14.3 mm	Copper-bonded	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160
NDR16Y5	ND	R	5/8" dia	14.3 mm	Copper-bonded	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	2 - 150 or 300PLUSF20	Preferred	L160
NDR18Y1	ND	R	3/4" dia	17.3 mm	Copper-bonded	25 mm <sup>2</sup> Concentric	25 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
NDR18Y2	ND	R	3/4" dia	17.3 mm	Copper-bonded	35 mm <sup>2</sup> Concentric	35 mm <sup>2</sup> Concentric	150 or 150PLUSF20	Preferred	L160
NDR18Y3	ND	R	3/4" dia	17.3 mm	Copper-bonded	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160
NDR18Y4	ND	R	3/4" dia	17.3 mm	Copper-bonded	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	250 or 250PLUSF20	Preferred	L160
NDF18Y5	ND	F	3/4" dia	17.3 mm	Copper-bonded	95 mm <sup>2</sup> Concentric	95 mm <sup>2</sup> Concentric	2 - 150 or 300PLUSF20	Preferred	L159
NDRP160Y3	ND	R	16 mm dia	16.0 mm	Steel	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160
NDRP190Y3	ND	R	19 mm dia	19.0 mm	Steel	50 mm <sup>2</sup> Concentric	50 mm <sup>2</sup> Concentric	200 or 200PLUSF20	Preferred	L160
NDRP190Y4	ND	R	19 mm dia	19.0 mm	Steel	70 mm <sup>2</sup> Concentric	70 mm <sup>2</sup> Concentric	2 - 150 or 300PLUSF20	Preferred	L160
NDFP190Y6	ND	F	19 mm dia	19.0 mm	Steel	120 mm <sup>2</sup> Concentric	120 mm <sup>2</sup> Concentric	2 - 200 or 400PLUSF20	Preferred	L160

## CABLE TO STEEL



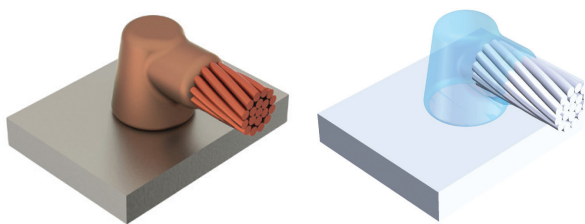
- Forms a permanent, low resistance connection
- Provides a molecular bond
- Cadweld Exothermic Connections are rated with the same current capacity as the conductor
- Portable installation equipment with no external source of power required
- Installers can be easily trained to make Cadweld Exothermic Connections
- Connections are visually inspected

## HA MOLDS



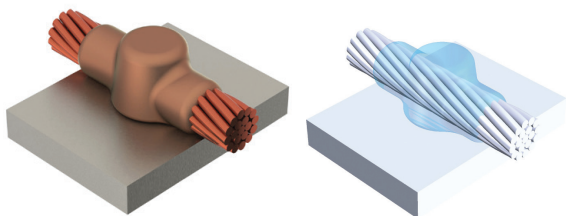
Global Part Number	Mold family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
HAAW3	HA	A	16 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	Included with Mold
HAAW3350C	HA	A	16 mm <sup>2</sup> Concentric	Steel Pipe	75mm - 100mm	45 or 45PLUSF20	Preferred	Included with Mold
HAA1	HA	A	25 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	Included with Mold
HAA2	HA	A	35 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	Included with Mold
HAA3	HA	A	50 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	Included with Mold
HAA4	HA	A	70 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	65 or 65PLUSF20	Preferred	Included with Mold
HAHY48C	HA	H	70 mm <sup>2</sup> Concentric	Steel Pipe	240mm - 400mm	65 or 65PLUSF20	Preferred	Included with Mold
HAHY420C	HA	H	70 mm <sup>2</sup> Concentric	Steel Pipe	300mm - 600mm	65 or 65PLUSF20	Preferred	Included with Mold

## HS MOLDS



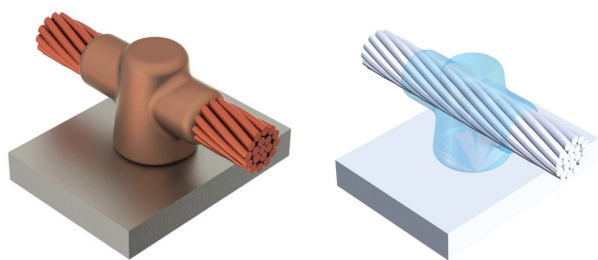
Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
HSCT1	HS	C	8 mm Ground Wire	Flat Surface or Steel Pipe	600 mm and Larger	90 or 90PLUSF20	Preferred	L160
HSCT2	HS	C	10 mm Ground Wire	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160
HSCT3	HS	C	13.2 mm Ground Wire	Flat Surface or Steel Pipe	600 mm and Larger	150 or 150PLUSF20	Preferred	L160
HSCW3	HS	C	16 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	65 or 65PLUSF20	Preferred	L160
HSCY2	HS	C	35 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	65 or 65PLUSF20	Preferred	L160
HSCY3	HS	C	50 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	90 or 90PLUSF20	Preferred	L160
HSCY4	HS	C	70 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	90 or 90PLUSF20	Preferred	L160
HSCY5	HS	C	95 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160
HSCY6	HS	C	120 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160
HSCY7	HS	C	150 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	150 or 150PLUSF20	Preferred	L160
HSCY8	HS	C	185 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Preferred	L160
HSCY9	HS	C	240 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Preferred	L160

## HC MOLDS



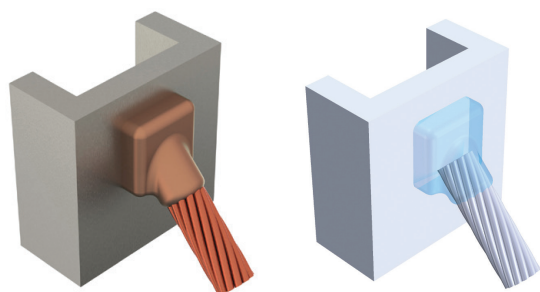
Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
HCAY1	HC	A	25 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	Included with Mold
HCAY2	HC	A	35 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	Included with Mold
HCAY3	HC	A	50 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	65 or 65PLUSF20	Preferred	Included with Mold

## HT MOLDS



Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
HTCY3	HT	C	50 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	90 or 90PLUSF20	Preferred	L160
HTCY4	HT	C	70 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160
HTCY5	HT	C	95 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	150 or 150PLUSF20	Preferred	L160
HTCY6	HT	C	120 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	150 or 150PLUSF20	Preferred	L160
HTCY7	HT	C	150 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Preferred	L160
HTCY8	HT	C	185 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	250 or 250PLUSF20	Preferred	L160
HTCY9	HT	C	240 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	250 or 250PLUSF20	Preferred	L160

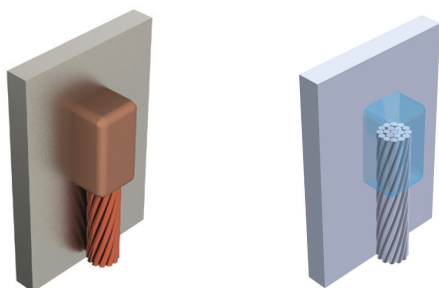
## VS MOLDS



Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
VSCW3	VS	C	16 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	L160 or B396
VSCY1	VS	C	25 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	L160 or B396
VSCY1V3C	VS	C	25 mm <sup>2</sup> Concentric	Steel Pipe	40 mm - 100 mm	45 or 45PLUSF20	Preferred	L160 or B160V
VSCY1V5C	VS	C	25 mm <sup>2</sup> Concentric	Steel Pipe	100 mm - 160 mm	45 or 45PLUSF20	Preferred	L160 or B160V
VSCY1V8C	VS	C	25 mm <sup>2</sup> Concentric	Steel Pipe	160 mm - 250 mm	45 or 45PLUSF20	Preferred	L160 or B160V
VSCY1V21C	VS	C	25 mm <sup>2</sup> Concentric	Steel Pipe	320 mm - 780 mm	45 or 45PLUSF20	Preferred	L160 or B160V
VSCY2	VS	C	35 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	L160 or B396
VSCY2V3C	VS	C	35 mm <sup>2</sup> Concentric	Steel Pipe	40 mm - 100 mm	45 or 45PLUSF20	Preferred	L160 or B160V

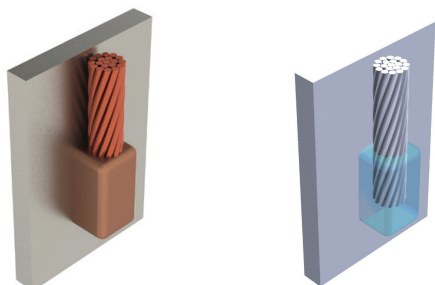
Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
VSCY2V5C	VS	C	35 mm <sup>2</sup> Concentric	Steel Pipe	100 mm - 160 mm	45 or 45PLUSF20	Preferred	L160 or B160V
VSCY3	VS	C	50 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	90 or 90PLUSF20	Preferred	L160 or B396
VSCY3V3C	VS	C	50 mm <sup>2</sup> Concentric	Steel Pipe	50 mm - 100 mm	90 or 90PLUSF20	Preferred	L160 or B160V
VSCY3V5C	VS	C	50 mm <sup>2</sup> Concentric	Steel Pipe	100 mm - 160 mm	90 or 90PLUSF20	Preferred	L160 or B160V
VSCY3V8C	VS	C	50 mm <sup>2</sup> Concentric	Steel Pipe	160 mm - 250 mm	90 or 90PLUSF20	Preferred	L160 or B160V
VSCY3V21C	VS	C	50 mm <sup>2</sup> Concentric	Steel Pipe	320 mm - 780 mm	90 or 90PLUSF20	Preferred	L160 or B160V
VSCY4	VS	C	70 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	90 or 90PLUSF20	Preferred	L160 or B396
VSCY4V3C	VS	C	70 mm <sup>2</sup> Concentric	Steel Pipe	50mm - 100mm	90 or 90PLUSF20	Preferred	L160 or B160V
VSCY4V5C	VS	C	70 mm <sup>2</sup> Concentric	Steel Pipe	100 mm - 160 mm	90 or 90PLUSF20	Preferred	L160 or B160V
VSCY4V8C	VS	C	70 mm <sup>2</sup> Concentric	Steel Pipe	160 mm - 250 mm	90 or 90PLUSF20	Preferred	L160 or B160V
VSCY4V21C	VS	C	70 mm <sup>2</sup> Concentric	Steel Pipe	320 mm - 780 mm	90 or 90PLUSF20	Preferred	L160 or B160V
VSCY5	VS	C	95 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160 or B396
VSCY5V3C	VS	C	95 mm <sup>2</sup> Concentric	Steel Pipe	50mm - 100mm	115 or 115PLUSF20	Preferred	L160 or B160V
VSCY5V5C	VS	C	95 mm <sup>2</sup> Concentric	Steel Pipe	100 mm - 160 mm	115 or 115PLUSF20	Preferred	L160 or B160V
VSCY6	VS	C	120 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160 or B396
VSCY6V3C	VS	C	120 mm <sup>2</sup> Concentric	Steel Pipe	50mm - 100mm	115 or 115PLUSF20	Preferred	L160 or B160V
VSCY7	VS	C	150 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	150 or 150PLUSF20	Preferred	L160 or B396
VSCY8	VS	C	185 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Preferred	L160 or B396
VSCY9	VS	C	240 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Preferred	L160 or B396
VSCY0	VS	C	300 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	250 or 250PLUSF20	Preferred	L160 or B396

## VB MOLDS



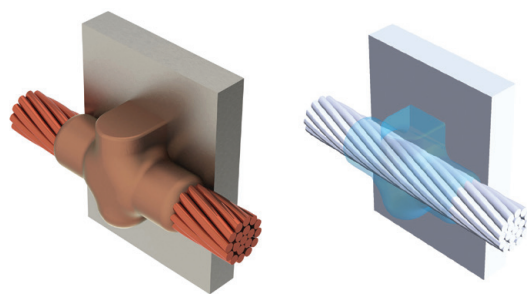
Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
VBCY1	VB	C	25 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	65 or 65PLUSF20	Easy	L160 or B396
VBCY2	VB	C	35 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	65 or 65PLUSF20	Easy	L160 or B396
VBCY3	VB	C	50 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Easy	L160 or B396
VBCY3V3C	VB	C	50 mm <sup>2</sup> Concentric	Steel Pipe	50mm - 100mm		Easy	L160 or B160V
VBCY4	VB	C	70 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Easy	L160 or B396
VBCY5	VB	C	95 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	150 or 150PLUSF20	Easy	L160 or B396
VBCY6	VB	C	120 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Easy	L160 or B396
VBCY7	VB	C	150 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Easy	L160 or B396

## VF MOLDS



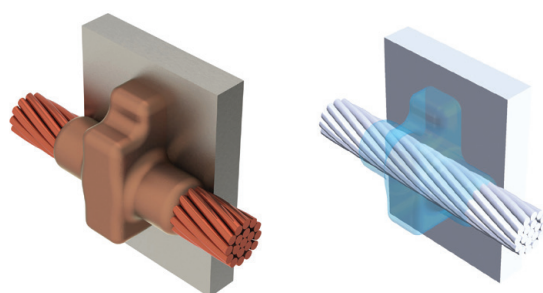
Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
VFCY1	VF	C	25 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	65 or 65PLUSF20	Preferred	L160 or B396
VFCY2	VF	C	35 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	90 or 90PLUSF20	Preferred	L160 or B396
VFCY3	VF	C	50 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160 or B396
VFRY4	VF	R	70 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	150 or 150PLUSF20	Preferred	L160 or B396
VFRY5	VF	R	95 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Preferred	L160 or B396
VFRY6	VF	R	120 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Preferred	L160 or B396

## VG MOLDS



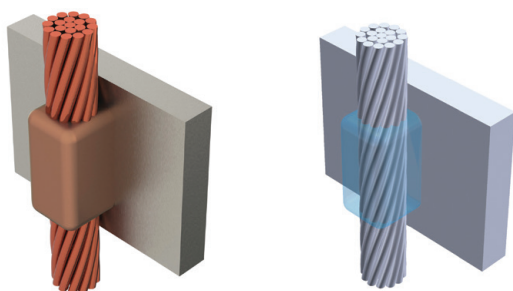
Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
VG CY1	VG	C	25 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	L160 or B396
VG CY2	VG	C	35 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	L160 or B396
VG CY3	VG	C	50 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160 or B396
VG CY4	VG	C	70 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160 or B396
COMPOKITVGPY1	VG		25 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	45 or 45PLUSF20	Preferred	Included with Kit

## VT MOLDS



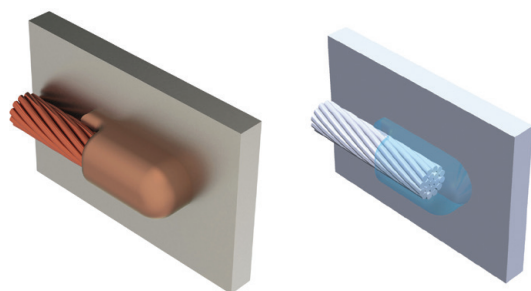
Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
VTCY2V3C	VT	C	35 mm <sup>2</sup> Concentric	Steel Pipe	50mm - 100mm	65 or 65PLUSF20	Preferred	L160 or B160VT
VTCY2V8C	VT	C	35 mm <sup>2</sup> Concentric	Steel Pipe	160 mm - 250 mm	65 or 65PLUSF20	Preferred	L160 or B160VT

## VV MOLDS



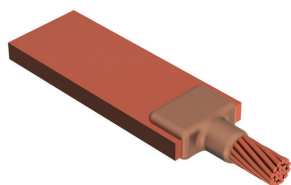
Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
VVCY2	VV	C	35 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160 or B396
VVRY3	VV	R	50 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Preferred	L160 or B396
VVRY4	VV	R	70 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	200 or 200PLUSF20	Preferred	L160 or B396
VVRY5	VV	R	95 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	250 or 250PLUSF20	Preferred	L160 or B396
VVRY6	VV	R	120 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	250 or 250PLUSF20	Preferred	L160 or B396
VVRY7	VV	R	150 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	250 or 250PLUSF20	Preferred	L160 or B396

## VN MOLDS



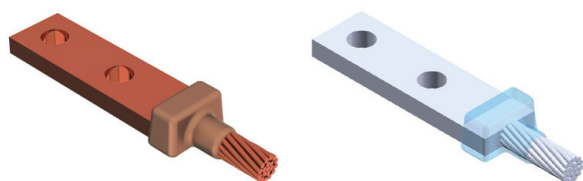
Global Part Number	Mold Family	Price Key	Conductor Size	Connects To	Pipe Diameter	Welding Material Required	Ease of Use	Handle Clamp Required
VNCY5LH	VN	C	95 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160
VNCY5RH	VN	C	95 mm <sup>2</sup> Concentric	Flat Surface or Steel Pipe	600 mm and Larger	115 or 115PLUSF20	Preferred	L160

## CABLE TO LUG OR BUSBAR



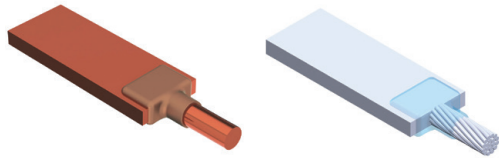
- Forms a permanent, low resistance connection
- Provides a molecular bond
- Cadweld Exothermic Connections are rated with the same current capacity as the conductor
- Portable installation equipment with no external source of power required
- Installers can be easily trained to make Cadweld Exothermic Connections
- Connections are visually inspected

## GL MOLDS



Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
GLCCEW3	GL	C	16 mm <sup>2</sup> Concentric	1/8" x 1"	32 or 32PLUSF20	Preferred	L160
GLCCEY1	GL	C	25 mm <sup>2</sup> Concentric	1/8" x 1"	32 or 32PLUSF20	Preferred	L160
GLCCEY2	GL	C	35 mm <sup>2</sup> Concentric	1/8" x 1"	32 or 32PLUSF20	Preferred	L160
GLCCEY3	GL	C	50 mm <sup>2</sup> Concentric	1/8" x 1"	45 or 45PLUSF20	Preferred	L160
GLCCEY4	GL	C	70 mm <sup>2</sup> Concentric	1/8" x 1"	45 or 45PLUSF20	Preferred	L160
GLCDEY4	GL	C	70 mm <sup>2</sup> Concentric	3/16" x 1"	65 or 65PLUSF20	Preferred	L160
GLCDEY5	GL	C	95 mm <sup>2</sup> Concentric	3/16" x 1"	65 or 65PLUSF20	Preferred	L160
GLCDEY6	GL	C	120 mm <sup>2</sup> Concentric	3/16" x 1"	65 or 65PLUSF20	Preferred	L160
GLCEEY7	GL	C	150 mm <sup>2</sup> Concentric	1/4" x 1"	90 or 90PLUSF20	Preferred	L160
GLCEEY8	GL	C	185 mm <sup>2</sup> Concentric	1/4" x 1"	90 or 90PLUSF20	Preferred	L160
GLCCET1	GL	C	CBSC8	1/8" x 1"	65 or 65PLUSF20	Preferred	L160
GLCCET2	GL	C	CBSC10	1/8" x 1"	65 or 65PLUSF20	Preferred	L160
GLCDET3	GL	C	CBSC13	3/16" x 1"	65 or 65PLUSF20	Preferred	L160

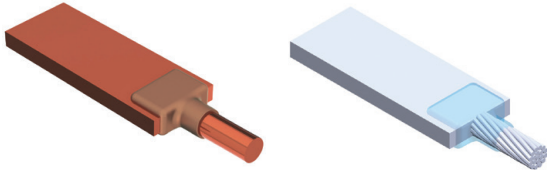
## LA MOLDS



Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
LACY2CE	LA	C	35 mm <sup>2</sup> Concentric	1/8" x 1"	45 or 45PLUSF20	Preferred	L160
LACY2EE	LA	C	35 mm <sup>2</sup> Concentric	1/4" x 1"	65 or 65PLUSF20	Preferred	L160
LACY3EE	LA	C	50 mm <sup>2</sup> Concentric	1/4" x 1"	65 or 65PLUSF20	Preferred	L160
LACY4CE	LA	C	70 mm <sup>2</sup> Concentric	1/8" x 1"	65 or 65PLUSF20	Preferred	L160
LACY4EE	LA	C	70 mm <sup>2</sup> Concentric	1/4" x 1"	65 or 65PLUSF20	Preferred	L160
LACY5CE	LA	C	95 mm <sup>2</sup> Concentric	1/8" x 1"	65 or 65PLUSF20	Preferred	L160
LACY5CG	LA	C	95 mm <sup>2</sup> Concentric	1/8" x 1 1/2"	90 or 90PLUSF20	Preferred	L160
LACY6EE	LA	C	120 mm <sup>2</sup> Concentric	1/4" x 1"	115 or 115PLUSF20	Preferred	L160
LACY7EG	LA	C	150 mm <sup>2</sup> Concentric	1/4" x 1/2"	115 or 115PLUSF20	Preferred	L160
LACY9EG	LA	C	240 mm <sup>2</sup> Concentric	1/4" x 1/2"	200 or 200PLUSF20	Preferred	L160
LECY2CE	LE	C	35 mm <sup>2</sup> Concentric	1/8" x 1"	65 or 65PLUSF20	Preferred	L160
LFY3CE	LF	E	50 mm <sup>2</sup> Concentric	1/8" x 1"	115 or 115PLUSF20	Difficult	L160
LACW3CAJ	LA	C	16 mm <sup>2</sup> Concentric	3 mm x 25 mm	45 or 45PLUSF20	Preferred	L160
LACY1BAH	LA	C	25 mm <sup>2</sup> Concentric	2 mm x 20 mm	32 or 32PLUSF20	Preferred	L160
LACY1CAJ	LA	C	25 mm <sup>2</sup> Concentric	3 mm x 25 mm	45 or 45PLUSF20	Preferred	L160
LACY2CAJ	LA	C	35 mm <sup>2</sup> Concentric	3 mm x 25 mm	45 or 45PLUSF20	Preferred	L160
LACY2FAK	LA	C	35 mm <sup>2</sup> Concentric	5 mm x 30 mm	65 or 65PLUSF20	Preferred	L160
LACY2FAM	LA	C	35 mm <sup>2</sup> Concentric	5 mm x 50 mm	65 or 65PLUSF20	Preferred	L160
LACY3BAK	LA	C	50 mm <sup>2</sup> Concentric	2 mm x 30 mm	65 or 65PLUSF20	Preferred	L160
LACY3CAJ	LA	C	50 mm <sup>2</sup> Concentric	3 mm x 25 mm	65 or 65PLUSF20	Preferred	L160
LACY3EAK	LA	C	50 mm <sup>2</sup> Concentric	4 mm x 30 mm	90 or 90PLUSF20	Preferred	L160
LACY3EAL	LA	C	50 mm <sup>2</sup> Concentric	4 mm x 40 mm	90 or 90PLUSF20	Preferred	L160
LACY4CAJ	LA	C	70 mm <sup>2</sup> Concentric	3 mm x 25 mm	65 or 65PLUSF20	Preferred	L160
LACY4CAK	LA	C	70 mm <sup>2</sup> Concentric	3 mm x 30 mm	65 or 65PLUSF20	Preferred	L160
LACY4CAL	LA	C	70 mm <sup>2</sup> Concentric	3 mm x 40 mm	65 or 65PLUSF20	Preferred	L160
LACY4EAJ	LA	C	70 mm <sup>2</sup> Concentric	4 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LACY4EAK	LA	C	70 mm <sup>2</sup> Concentric	4 mm x 30 mm	90 or 90PLUSF20	Preferred	L160
LACY4EAL	LA	C	70 mm <sup>2</sup> Concentric	4 mm x 40 mm	65 or 65PLUSF20	Preferred	L160
LACY4EAM	LA	C	70 mm <sup>2</sup> Concentric	4 mm x 50 mm	90 or 90PLUSF20	Preferred	L160
LACY4FAL	LA	C	70 mm <sup>2</sup> Concentric	5 mm x 40 mm	90 or 90PLUSF20	Preferred	L160
LACY4FAM	LA	C	70 mm <sup>2</sup> Concentric	5 mm x 50 mm	90 or 90PLUSF20	Preferred	L160
LACY5BAK	LA	C	95 mm <sup>2</sup> Concentric	2 mm x 30 mm	90 or 90PLUSF20	Preferred	L160
LACY5CAJ	LA	C	95 mm <sup>2</sup> Concentric	3 mm x 25 mm	65 or 65PLUSF20	Preferred	L160
LACY5EAJ	LA	C	95 mm <sup>2</sup> Concentric	4 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LACY5EAK	LA	C	95 mm <sup>2</sup> Concentric	4 mm x 30 mm	115 or 115PLUSF20	Preferred	L160
LACY5EAL	LA	C	95 mm <sup>2</sup> Concentric	4 mm x 40 mm	115 or 115PLUSF20	Preferred	L160
LACY5FAK	LA	C	95 mm <sup>2</sup> Concentric	5 mm x 30 mm	115 or 115PLUSF20	Preferred	L160
LACY5FAL	LA	C	95 mm <sup>2</sup> Concentric	5 mm x 40 mm	115 or 115PLUSF20	Preferred	L160
LACY5FAM	LA	C	95 mm <sup>2</sup> Concentric	5 mm x 50 mm	115 or 115PLUSF20	Preferred	L160
LACY5PAN	LA	C	95 mm <sup>2</sup> Concentric	6 mm x 60 mm	115 or 115PLUSF20	Preferred	L160
LACY6CAJ	LA	C	120 mm <sup>2</sup> Concentric	3 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LACY6CAL	LA	C	120 mm <sup>2</sup> Concentric	3 mm x 40 mm	90 or 90PLUSF20	Preferred	L160

Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
LACY6EAK	LA	C	120 mm <sup>2</sup> Concentric	4 mm x 30 mm	115 or 115PLUSF20	Preferred	L160
LACY6EAL	LA	C	120 mm <sup>2</sup> Concentric	4 mm x 40 mm	115 or 115PLUSF20	Preferred	L160
LACY6FAK	LA	C	120 mm <sup>2</sup> Concentric	5 mm x 30 mm	115 or 115PLUSF20	Preferred	L160
LACY6FAL	LA	C	120 mm <sup>2</sup> Concentric	5 mm x 40 mm	115 or 115PLUSF20	Preferred	L160
LACY6PAL	LA	C	120 mm <sup>2</sup> Concentric	6 mm x 40 mm	115 or 115PLUSF20	Preferred	L160
LACY7FAM	LA	C	150 mm <sup>2</sup> Concentric	5 mm x 50 mm	115 or 115PLUSF20	Preferred	L160
LACY7GAN	LA	C	150 mm <sup>2</sup> Concentric	8 mm x 60 mm	115 or 115PLUSF20	Preferred	L160
LACY7PAN	LA	C	150 mm <sup>2</sup> Concentric	6 mm x 60 mm	115 or 115PLUSF20	Preferred	L160
LACY8EAL	LA	C	185 mm <sup>2</sup> Concentric	4 mm x 40 mm	115 or 115PLUSF20	Preferred	L160
LACY8PAS	LA	C	185 mm <sup>2</sup> Concentric	6 mm x 35 mm	150 or 150PLUSF20	Preferred	L160
LACY9FAM	LA	C	240 mm <sup>2</sup> Concentric	5 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
LACY0PAM	LA	C	300 mm <sup>2</sup> Concentric	6 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
LACT2CE	LA	C	CBSC10	1/8" x 1"	90 or 90PLUSF20	Preferred	L160
LACT1CAJ	LA	C	CBSC8	3 mm x 25 mm	65 or 65PLUSF20	Preferred	L160
LACT2CAJ	LA	C	CBSC10	3 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LACT2FAM	LA	C	CBSC10	5 mm x 50 mm	115 or 115PLUSF20	Preferred	L160
LACT3CAJ	LA	C	CBSC13	3 mm x 25 mm	115 or 115PLUSF20	Preferred	L160
LACT3EAJ	LA	C	CBSC13	4 mm x 25 mm	115 or 115PLUSF20	Preferred	L160
LACT3EAL	LA	C	CBSC13	4 mm x 40 mm	115 or 115PLUSF20	Preferred	L160
LACT4EAL	LA	C	CBSC14	4 mm x 40 mm	150 or 150PLUSF20	Preferred	L160
LACT4FAM	LA	C	CBSC14	5 mm x 50 mm	150 or 150PLUSF20	Preferred	L160
LACT5EAL	LA	C	CBSC16	4 mm x 40 mm	150 or 150PLUSF20	Preferred	L160
LACT5GAN	LA	C	CBSC16	8 mm x 60 mm	200 or 200PLUSF20	Preferred	L160
LACT5PAJ	LA	C	CBSC16	6 mm x 25 mm	150 or 150PLUSF20	Preferred	L160
LACT5PAL	LA	C	CBSC16	6 mm x 40 mm	150 or 150PLUSF20	Preferred	L160
LACT6EAM	LA	C	CBSC18	4 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
LACT6EAM	LA	C	CBSC18	4 mm x 50 mm	200 or 200PLUSF20	Preferred	L160

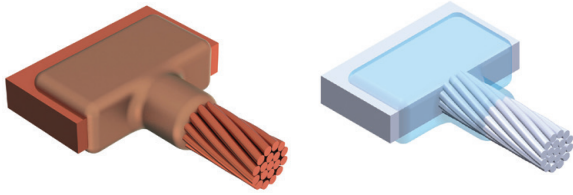
## LE MOLDS



Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
LEC2VEAL	LE	C	250 kcmil Concentric	4 mm x 40 mm	200 or 200PLUSF20	Preferred	L160
LEC2VPAL	LE	C	250 kcmil Concentric	6 mm x 40 mm	250 or 250PLUSF20	Preferred	L160
LEC2VPAM	LE	C	250 kcmil Concentric	6 mm x 50 mm	250 or 250PLUSF20	Preferred	L160
LECW3CAJ	LE	C	16 mm <sup>2</sup> Concentric	3 mm x 25 mm	45 or 45PLUSF20	Preferred	L160
LECY0CAJ	LE	C	300 mm <sup>2</sup> Concentric	3 mm x 25 mm	200 or 200PLUSF20	Preferred	L160
LECY2CAJ	LE	C	35 mm <sup>2</sup> Concentric	3 mm x 25 mm	65 or 65PLUSF20	Preferred	L160
LECY3CAJ	LE	C	50 mm <sup>2</sup> Concentric	3 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LECY3CAN	LE	C	50 mm <sup>2</sup> Concentric	3 mm x 60 mm and wider	150 or 150PLUSF20	Preferred	L160
LECY3EAH	LE	C	50 mm <sup>2</sup> Concentric	4 mm x 20 mm	90 or 90PLUSF20	Preferred	L160
LECY3EAL	LE	C	50 mm <sup>2</sup> Concentric	4 mm x 40 mm	150 or 150PLUSF20	Preferred	L160
LECY3EAM	LE	C	50 mm <sup>2</sup> Concentric	4 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
LECY4CAJ	LE	C	70 mm <sup>2</sup> Concentric	3 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LECY4CAK	LE	C	70 mm <sup>2</sup> Concentric	3 mm x 30 mm	90 or 90PLUSF20	Preferred	L160
LECY4CAL	LE	C	70 mm <sup>2</sup> Concentric	3 mm x 40 mm	115 or 115PLUSF20	Preferred	L160
LECY4EAJ	LE	C	70 mm <sup>2</sup> Concentric	4 mm x 25 mm	115 or 115PLUSF20	Preferred	L160
LECY4EAL	LE	C	70 mm <sup>2</sup> Concentric	4 mm x 40 mm	150 or 150PLUSF20	Preferred	L160
LECY4EAM	LE	C	70 mm <sup>2</sup> Concentric	4 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
LECY4PAM	LE	C	70 mm <sup>2</sup> Concentric	6 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
LECY5CAJ	LE	C	95 mm <sup>2</sup> Concentric	3 mm x 25 mm	115 or 115PLUSF20	Preferred	L160
LECY5CAL	LE	C	95 mm <sup>2</sup> Concentric	3 mm x 40 mm	150 or 150PLUSF20	Preferred	L160
LECY5EAJ	LE	C	95 mm <sup>2</sup> Concentric	4 mm x 25 mm	150 or 150PLUSF20	Preferred	L160
LECY5EAM	LE	C	95 mm <sup>2</sup> Concentric	4 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
LECY5FAK	LE	C	95 mm <sup>2</sup> Concentric	5 mm x 30 mm	150 or 150PLUSF20	Preferred	L160
LECY5FAM	LE	C	95 mm <sup>2</sup> Concentric	5 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
LECY5GAN	LE	C	95 mm <sup>2</sup> Concentric	8 mm x 60 mm and wider	250 or 250PLUSF20	Preferred	L160
LECY5PAM	LE	C	95 mm <sup>2</sup> Concentric	6 mm x 50 mm	250 or 250PLUSF20	Preferred	L160
LECY6CAJ	LE	C	120 mm <sup>2</sup> Concentric	3 mm x 25 mm	115 or 115PLUSF20	Preferred	L160
LECY6EAJ	LE	C	120 mm <sup>2</sup> Concentric	4 mm x 25 mm	150 or 150PLUSF20	Preferred	L160
LECY6EAK	LE	C	120 mm <sup>2</sup> Concentric	4 mm x 30 mm	150 or 150PLUSF20	Preferred	L160
LECY6FAL	LE	C	120 mm <sup>2</sup> Concentric	5 mm x 40 mm	200 or 200PLUSF20	Preferred	L160
LECY6FAN	LE	C	120 mm <sup>2</sup> Concentric	5 mm x 60 mm and wider	200 or 200PLUSF20	Preferred	L160
LECY6GAN	LE	C	120 mm <sup>2</sup> Concentric	8 mm x 60 mm and wider	250 or 250PLUSF20	Preferred	L160
LECY6PAJ	LE	C	120 mm <sup>2</sup> Concentric	6 mm x 25 mm	150 or 150PLUSF20	Preferred	L160
LECY6PAL	LE	C	120 mm <sup>2</sup> Concentric	6 mm x 40 mm	250 or 250PLUSF20	Preferred	L160
LECY6PAN	LE	C	120 mm <sup>2</sup> Concentric	6 mm x 60 mm and wider	200 or 200PLUSF20	Preferred	L160
LECY7CAJ	LE	C	150 mm <sup>2</sup> Concentric	3 mm x 25 mm	150 or 150PLUSF20	Preferred	L160
LECY7EAM	LE	C	150 mm <sup>2</sup> Concentric	4 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
LECY7FAL	LE	C	150 mm <sup>2</sup> Concentric	5 mm x 40 mm	200 or 200PLUSF20	Preferred	L160
LEDY8FAN	LE	D	185 mm <sup>2</sup> Concentric	5 mm x 60 mm	200 x 2 or 400PLUSF20	Preferred	L159
LECY7GAN	LE	C	150 mm <sup>2</sup> Concentric	8 mm x 60 mm	250 or 250PLUSF20	Preferred	L160

Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
LECY7PAN	LE	C	150 mm <sup>2</sup> Concentric	6 mm x 60 mm	250 or 250PLUSF20	Preferred	L160
LECY8BAK	LE	C	185 mm <sup>2</sup> Concentric	2 mm x 30 mm	200 or 200PLUSF20	Preferred	L160
LECY8EAL	LE	C	185 mm <sup>2</sup> Concentric	4 mm x 40 mm	250 or 250PLUSF20	Preferred	L160
LECY8FAL	LE	C	185 mm <sup>2</sup> Concentric	5 mm x 40 mm	250 or 250PLUSF20	Preferred	L160
LECY8PAN	LE	C	185 mm <sup>2</sup> Concentric	6 mm x 60 mm	150 x 2 or 300PLUSF20	Preferred	L160
LECY9EAJ	LE	C	240 mm <sup>2</sup> Concentric	4 mm x 25 mm	250 or 250PLUSF20	Preferred	L160
LECY9EAM	LE	C	240 mm <sup>2</sup> Concentric	4 mm x 50 mm	150 x 2 or 300PLUSF20	Preferred	L160
LECY9PAM	LE	C	240 mm <sup>2</sup> Concentric	6 mm x 50 mm	150 x 2 or 300PLUSF20	Preferred	L160
LEDY9GAP	LE	D	240 mm <sup>2</sup> Concentric	8 mm x 80 mm	200 x 2 or 400PLUSF20	Preferred	L159
LECT2EAL	LE	C	10 mm Ground Wire	4 mm x 40 mm	200 or 200PLUSF20	Preferred	L160
LECT3CAJ	LE	C	13.2 mm Ground Wire	3 mm x 25 mm	150 or 150PLUSF20	Preferred	L160
LECT3EAJ	LE	C	13.2 mm Ground Wire	4 mm x 25 mm	150 or 150PLUSF20	Preferred	L160
LECT3EAL	LE	C	13.2 mm Ground Wire	4 mm x 40 mm	200 or 200PLUSF20	Preferred	L160
LECT4EAL	LE	C	14.2 mm Ground Wire	4 mm x 40 mm	250 or 250PLUSF20	Preferred	L160
LECT4PAM	LE	C	14.2 mm Ground Wire	6 mm x 50 mm	150 x 2 or 300PLUSF20	Preferred	L160
LECT5EAL	LE	C	15.6 mm Ground Wire	4 mm x 40 mm	150 x 2 or 300PLUSF20	Preferred	L160
LECT5GAN	LE	C	15.6 mm Ground Wire	8 mm x 60 mm and wider	250 or 250PLUSF20	Preferred	L160
LECT5PAL	LE	C	15.6 mm Ground Wire	6 mm x 40 mm	250 or 250PLUSF20	Preferred	L160
LECT6EAL	LE	C	17.6 mm Ground Wire	4 mm x 40 mm	250 or 250PLUSF20	Preferred	L160
LECT6EAM	LE	C	17.6 mm Ground Wire	4 mm x 50 mm	150 x 2 or 300PLUSF20	Preferred	L160
LECT6FAM	LE	C	17.6 mm Ground Wire	5 mm x 50 mm	150 x 2 or 300PLUSF20	Preferred	L160

## LJ MOLDS

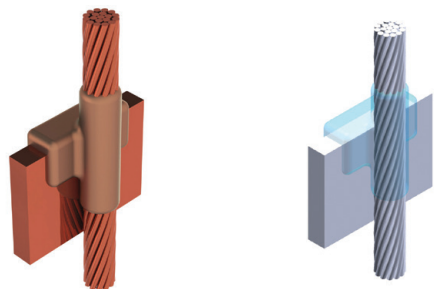


Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
LJCBAKY5	LJ	C	95 mm <sup>2</sup> Concentric	2 mm x 30 mm	90 or 90PLUSF20	Preferred	L160
LJCCAJ2V	LJ	C	250 kcmil Concentric	3 mm x 25 mm	115 or 115PLUSF20	Preferred	L160
LJCCAJW3	LJ	C	16 mm <sup>2</sup> Concentric	3 mm x 25 mm	45 or 45PLUSF20	Preferred	L160
LJCCAJY1	LJ	C	25 mm <sup>2</sup> Concentric	3 mm x 25 mm	45 or 45PLUSF20	Preferred	L160
LJCCAJY2	LJ	C	35 mm <sup>2</sup> Concentric	3 mm x 25 mm	45 or 45PLUSF20	Preferred	L160
LJCCAJY3	LJ	C	50 mm <sup>2</sup> Concentric	3 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LJCCAJY4	LJ	C	70 mm <sup>2</sup> Concentric	3 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LJCCAJY5	LJ	C	95 mm <sup>2</sup> Concentric	3 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LJCCAJY6	LJ	C	120 mm <sup>2</sup> Concentric	3 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LJCCAJY7	LJ	C	150 mm <sup>2</sup> Concentric	3 mm x 25 mm	115 or 115PLUSF20	Preferred	L160
LJCCAJY8	LJ	C	185 mm <sup>2</sup> Concentric	3 mm x 25 mm	115 or 115PLUSF20	Preferred	L160
LJCCAKY5	LJ	C	95 mm <sup>2</sup> Concentric	3 mm x 30 mm	115 or 115PLUSF20	Preferred	L160
LJCCALY1	LJ	C	25 mm <sup>2</sup> Concentric	3 mm x 40 mm and wider	65 or 65PLUSF20	Preferred	L160
LJCCALY3	LJ	C	50 mm <sup>2</sup> Concentric	3 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCCALY4	LJ	C	70 mm <sup>2</sup> Concentric	3 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCCALY5	LJ	C	95 mm <sup>2</sup> Concentric	3 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCCALY6	LJ	C	120 mm <sup>2</sup> Concentric	3 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCCALY7	LJ	C	150 mm <sup>2</sup> Concentric	3 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCCALY8	LJ	C	185 mm <sup>2</sup> Concentric	3 mm x 40 mm and wider	150 or 150PLUSF20	Preferred	L160
LJCEAGY6	LJ	C	120 mm <sup>2</sup> Concentric	4 mm x 15 mm	90 or 90PLUSF20	Preferred	L160
LJCEAHY4	LJ	C	70 mm <sup>2</sup> Concentric	4 mm x 20 mm	90 or 90PLUSF20	Preferred	L160
LJCEAHY5	LJ	C	95 mm <sup>2</sup> Concentric	4 mm x 20 mm	90 or 90PLUSF20	Preferred	L160
LJCEAHY6	LJ	C	120 mm <sup>2</sup> Concentric	4 mm x 20 mm	90 or 90PLUSF20	Preferred	L160
LJCEAHY7	LJ	C	150 mm <sup>2</sup> Concentric	4 mm x 20 mm	115 or 115PLUSF20	Preferred	L160
LJCEAJY4	LJ	C	70 mm <sup>2</sup> Concentric	4 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LJCEAJY5	LJ	C	95 mm <sup>2</sup> Concentric	4 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LJCEAKW3	LJ	C	16 mm <sup>2</sup> Concentric	4 mm x 30 mm	45 or 45PLUSF20	Preferred	L160
LJCEAKY2	LJ	C	35 mm <sup>2</sup> Concentric	4 mm x 30 mm	65 or 65PLUSF20	Preferred	L160
LJCEAKY3	LJ	C	50 mm <sup>2</sup> Concentric	4 mm x 30 mm	90 or 90PLUSF20	Preferred	L160
LJCEAKY4	LJ	C	70 mm <sup>2</sup> Concentric	4 mm x 30 mm	90 or 90PLUSF20	Preferred	L160
LJCEAKY6	LJ	C	120 mm <sup>2</sup> Concentric	4 mm x 30 mm	90 or 90PLUSF20	Preferred	L160
LJCEAL2V	LJ	C	250 kcmil Concentric	4 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCEALY1	LJ	C	25 mm <sup>2</sup> Concentric	4 mm x 40 mm and wider	65 or 65PLUSF20	Preferred	L160
LJCEALY2	LJ	C	35 mm <sup>2</sup> Concentric	4 mm x 40 mm and wider	65 or 65PLUSF20	Preferred	L160
LJCEALY3	LJ	C	50 mm <sup>2</sup> Concentric	4 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160

Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
LJCEALY4	LJ	C	70 mm <sup>2</sup> Concentric	4 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCEALY5	LJ	C	95 mm <sup>2</sup> Concentric	4 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCEALY6	LJ	C	120 mm <sup>2</sup> Concentric	4 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCEALY7	LJ	C	150 mm <sup>2</sup> Concentric	4 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCEALY8	LJ	C	185 mm <sup>2</sup> Concentric	4 mm x 40 mm and wider	150 or 150PLUSF20	Preferred	L160
LJCEALY9	LJ	C	240 mm <sup>2</sup> Concentric	4 mm x 40 mm and wider	200 or 200PLUSF20	Preferred	L160
LJCFALY4	LJ	C	70 mm <sup>2</sup> Concentric	5 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LJCFALY5	LJ	C	95 mm <sup>2</sup> Concentric	5 mm x 25 mm	115 or 115PLUSF20	Preferred	L160
LJCFALY1	LJ	C	25 mm <sup>2</sup> Concentric	5 mm x 40 mm and wider	65 or 65PLUSF20	Preferred	L160
LJCFALY2	LJ	C	35 mm <sup>2</sup> Concentric	5 mm x 40 mm and wider	65 or 65PLUSF20	Preferred	L160
LJCFALY3	LJ	C	50 mm <sup>2</sup> Concentric	5 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCFALY4	LJ	C	70 mm <sup>2</sup> Concentric	5 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCFALY5	LJ	C	95 mm <sup>2</sup> Concentric	5 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCFALY6	LJ	C	120 mm <sup>2</sup> Concentric	5 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCFALY7	LJ	C	150 mm <sup>2</sup> Concentric	5 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCFALY8	LJ	C	185 mm <sup>2</sup> Concentric	5 mm x 40 mm and wider	150 or 150PLUSF20	Preferred	L160
LJCFALY9	LJ	C	240 mm <sup>2</sup> Concentric	5 mm x 40 mm and wider	200 or 200PLUSF20	Preferred	L160
LJCGALY5	LJ	C	95 mm <sup>2</sup> Concentric	8 mm x 40 mm and wider	150 or 150PLUSF20	Preferred	L160
LJCGALY6	LJ	C	120 mm <sup>2</sup> Concentric	8 mm x 40 mm and wider	150 or 150PLUSF20	Preferred	L160
LJCGALY7	LJ	C	150 mm <sup>2</sup> Concentric	8 mm x 40 mm and wider	200 or 200PLUSF20	Preferred	L160
LJCHALY2	LJ	C	35 mm <sup>2</sup> Concentric	10 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCHALY3	LJ	C	50 mm <sup>2</sup> Concentric	10 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCHALY4	LJ	C	70 mm <sup>2</sup> Concentric	10 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCHALY5	LJ	C	95 mm <sup>2</sup> Concentric	10 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCHALY6	LJ	C	120 mm <sup>2</sup> Concentric	10 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCHALY7	LJ	C	150 mm <sup>2</sup> Concentric	10 mm x 40 mm and wider	200 or 200PLUSF20	Preferred	L160
LJCPALY3	LJ	C	50 mm <sup>2</sup> Concentric	6 mm x 30 mm	90 or 90PLUSF20	Preferred	L160
LJCPALW3	LJ	C	16 mm <sup>2</sup> Concentric	6 mm x 40 mm and wider	65 or 65PLUSF20	Preferred	L160
LJCPALY2	LJ	C	35 mm <sup>2</sup> Concentric	6 mm x 40 mm and wider	65 or 65PLUSF20	Preferred	L160
LJCPALY3	LJ	C	50 mm <sup>2</sup> Concentric	6 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCPALY4	LJ	C	70 mm <sup>2</sup> Concentric	6 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCPALY5	LJ	C	95 mm <sup>2</sup> Concentric	6 mm x 40 mm and wider	90 or 90PLUSF20	Preferred	L160
LJCPALY6	LJ	C	120 mm <sup>2</sup> Concentric	6 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCPALY7	LJ	C	150 mm <sup>2</sup> Concentric	6 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160

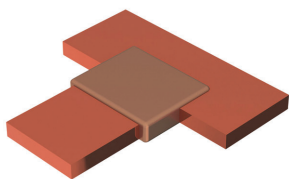
Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
LJCPALY8	LJ	C	185 mm <sup>2</sup> Concentric	6 mm x 40 mm and wider	150 or 150PLUSF20	Preferred	L160
LJCEAJT1	LJ	C	CBSC8	4 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
LJCEAJT3	LJ	C	13.2 mm Ground Wire	4 mm x 25 mm	115 or 115PLUSF20	Preferred	L160
LJCEALT3	LJ	C	13.2 mm Ground Wire	4 mm x 40 mm and wider	115 or 115PLUSF20	Preferred	L160
LJCEALT5	LJ	C	15.6 mm Ground Wire	4 mm x 40 mm and wider	150 or 150PLUSF20	Preferred	L160
LJCFALT5	LJ	C	15.6 mm Ground Wire	5 mm x 40 mm and wider	150 or 150PLUSF20	Preferred	L160
LJCPALT5	LJ	C	15.6 mm Ground Wire	6 mm x 40 mm and wider	150 or 150PLUSF20	Preferred	L160

## LQ MOLDS



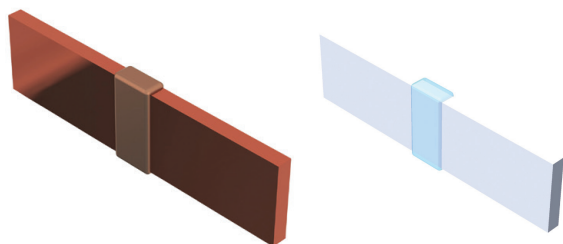
Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
LQJCAJY0	LQ	J	300 mm <sup>2</sup> Concentric	3 mm x 25 mm	500 or 500PLUSF20	Easy	L159
LQJEAMY6	LQ	J	120 mm <sup>2</sup> Concentric	4 mm x 50 mm and wider	500 or 500PLUSF20	Easy	L159

## BUSBAR TO BUSBAR



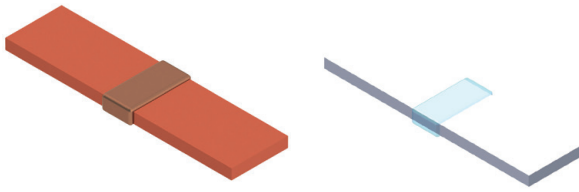
- Forms a permanent, low resistance connection
- Provides a molecular bond
- Cadweld Exothermic Connections are rated with the same current capacity as the conductor
- Portable installation equipment with no external source of power required
- Installers can be easily trained to make Cadweld Exothermic Connections
- Connections are visually inspected

## BA MOLDS



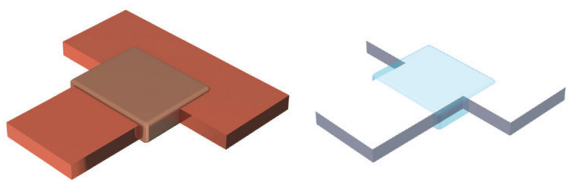
Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
BACBAH	BA	C	2 mm x 20 mm	2 mm x 20 mm	45 or 45PLUSF20	Preferred	L160
BACBAJ	BA	C	2 mm x 25 mm	2 mm x 25 mm	45 or 45PLUSF20	Preferred	L160
BACBAK	BA	C	2 mm x 30 mm	2 mm x 30 mm	65 or 65PLUSF20	Preferred	L160
BACCAJ	BA	C	3 mm x 25 mm	3 mm x 25 mm	65 or 65PLUSF20	Preferred	L160
BACCAL	BA	C	3 mm x 40 mm	3 mm x 40 mm	115 or 115PLUSF20	Preferred	L160
BACCAS	BA	C	3 mm x 35 mm	3 mm x 35 mm	115 or 115PLUSF20	Preferred	L160
BACEAJ	BA	C	4 mm x 25 mm	4 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
BACEAK	BA	C	4 mm x 30 mm	4 mm x 30 mm	115 or 115PLUSF20	Preferred	L160
BACEAL	BA	C	4 mm x 40 mm	4 mm x 40 mm	150 or 150PLUSF20	Preferred	L160
BACEAM	BA	C	4 mm x 50 mm	4 mm x 50 mm	150 or 150PLUSF20	Preferred	L160
BACFAH	BA	C	5 mm x 20 mm	5 mm x 20 mm	90 or 90PLUSF20	Preferred	L160
BACFAL	BA	C	5 mm x 40 mm	5 mm x 40 mm	150 or 150PLUSF20	Preferred	L160
BACPAM	BA	C	6 mm x 50 mm	6 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
BACPAS	BA	C	6 mm x 35 mm	6 mm x 35 mm	150 or 150PLUSF20	Preferred	L160

## BB MOLDS



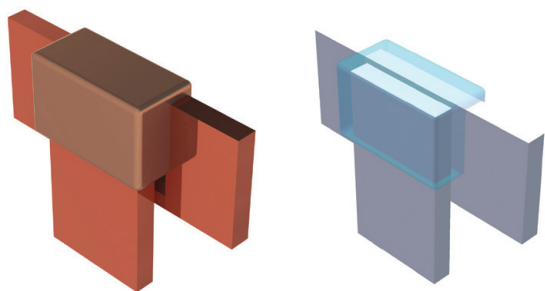
Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
BBCBAK	BB	C	2 mm x 30 mm	2 mm x 30 mm	115 or 115PLUSF20	Easy	L160
BBCCAF	BB	C	3 mm x 10 mm	3 mm x 10 mm	45 or 45PLUSF20	Easy	L160
BBCCAJ	BB	C	3 mm x 25 mm	3 mm x 25 mm	90 or 90PLUSF20	Easy	L160
BBCCAK	BB	C	3 mm x 30 mm	3 mm x 30 mm	115 or 115PLUSF20	Easy	L160
BBCCAL	BB	C	3 mm x 40 mm	3 mm x 40 mm	115 or 115PLUSF20	Easy	L160
BBCDAK	BB	C	3.5 mm x 30 mm	3.5 mm x 30 mm	115 or 115PLUSF20	Easy	L160
BBCEAJ	BB	C	4 mm x 25 mm	4 mm x 25 mm	90 or 90PLUSF20	Easy	L160
BBCEAK	BB	C	4 mm x 30 mm	4 mm x 30 mm	115 or 115PLUSF20	Easy	L160
BBCEAL	BB	C	4 mm x 40 mm	4 mm x 40 mm	150 or 150PLUSF20	Easy	L160
BBCFAK	BB	C	5 mm x 30 mm	5 mm x 30 mm	115 or 115PLUSF20	Easy	L160
BBCFAL	BB	C	5 mm x 40 mm	5 mm x 40 mm	150 or 150PLUSF20	Easy	L160
BBCPAJ	BB	C	6 mm x 25 mm	6 mm x 25 mm	115 or 115PLUSF20	Easy	L160
BBCPAK	BB	C	6 mm x 30 mm	6 mm x 30 mm	115 or 115PLUSF20	Easy	L160
BBCPAL	BB	C	6 mm x 40 mm	6 mm x 40 mm	150 or 150PLUSF20	Easy	L160
BBDGANGAN	BB	D	8 mm x 60 mm	8 mm x 60 mm	2 x 200 or 400PLUSF20	Easy	L160
BBDPAMPAM	BB	D	6 mm x 50 mm	6 mm x 50 mm	250 or 250PLUSF20	Easy	L159
BBKGAQ	BB	K	8 mm x 100 mm	8 mm x 100 mm	3 x 200 or 600PLUSF20	Easy	Frame Included
BBKPAQ	BB	K	6 mm x 100 mm	6 mm x 100 mm	500 or 500PLUSF20	Easy	Frame Included
BBRCAM	BB	R	3 mm x 50 mm	3 mm x 50 mm	150 or 150PLUSF20	Easy	L160
BBREAM	BB	R	4 mm x 50 mm	4 mm x 50 mm	200 or 200PLUSF20	Easy	L160
BBRFAM	BB	R	5 mm x 50 mm	5 mm x 50 mm	200 or 200PLUSF20	Easy	L160

## BM MOLDS



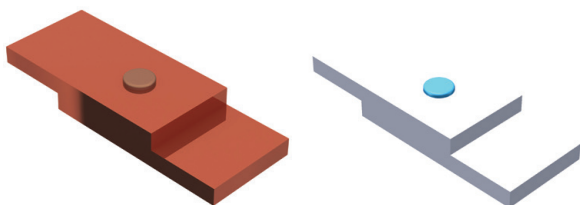
Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
BMCBAJBAJ	BM	C	2 mm x 25 mm	2 mm x 25 mm	90 or 90PLUSF20	Easy	L160
BMCBAKBAK	BM	C	2 mm x 30 mm	2 mm x 30 mm	90 or 90PLUSF20	Easy	L160
BMCCAJCAJ	BM	C	3 mm x 25 mm	3 mm x 25 mm	90 or 90PLUSF20	Easy	L160
BMCCALCAL	BM	C	3 mm x 40 mm	3 mm x 40 mm	90 or 90PLUSF20	Easy	L160
BMCCASCAS	BM	C	3 mm x 35 mm	3 mm x 35 mm	115 or 115PLUSF20	Easy	L160
BMCKDAKDAK	BM	C	3.5 mm x 30 mm	3.5 mm x 30 mm	90 or 90PLUSF20	Easy	L160
BMCEAHEAH	BM	C	4 mm x 20 mm	4 mm x 20 mm	90 or 90PLUSF20	Easy	L160
BMCEAKEAK	BM	C	4 mm x 30 mm	4 mm x 30 mm	90 or 90PLUSF20	Easy	L160
BMCEALEAL	BM	C	4 mm x 40 mm	4 mm x 40 mm	150 or 150PLUSF20	Easy	L160
BMCFAKFAK	BM	C	5 mm x 30 mm	5 mm x 30 mm	115 or 115PLUSF20	Easy	L160
BMCFALFAL	BM	C	5 mm x 40 mm	5 mm x 40 mm	150 or 150PLUSF20	Easy	L160
BMCPAJPAJ	BM	C	6 mm x 25 mm	6 mm x 25 mm	90 or 90PLUSF20	Easy	L160
BMCPAKPAK	BM	C	6 mm x 30 mm	6 mm x 30 mm	115 or 115PLUSF20	Easy	L160
BMCPALPAL	BM	C	6 mm x 40 mm	6 mm x 40 mm	150 or 150PLUSF20	Easy	L160
BMDCAMCAM	BM	D	3 mm x 50 mm	3 mm x 50 mm	200 or 200PLUSF20	Easy	L159
BMDEAMEAM	BM	D	4 mm x 50 mm	4 mm x 50 mm	250 or 250PLUSF20	Easy	L159
BMDFAMFAM	BM	D	5 mm x 50 mm	5 mm x 50 mm	250 or 250PLUSF20	Easy	L159
BMDFANFAN	BM	D	5 mm x 60 mm	5 mm x 60 mm	2 x 150 or 300PLUSF20	Easy	L159
BMDPAMPAM	BM	D	6 mm x 50 mm	6 mm x 50 mm	250 or 250PLUSF20	Easy	L159

## BQ MOLDS



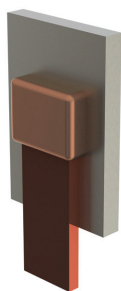
Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
BQCAJCAJ	BQ	C	3 mm x 25 mm	3 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
BQCCALCAL	BQ	C	3 mm x 40 mm	3 mm x 40 mm	115 or 115PLUSF20	Preferred	L160
BQCCAMCAM	BQ	C	3 mm x 50 mm	3 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
BQCCASCAS	BQ	C	3 mm x 35 mm	3 mm x 35 mm	115 or 115PLUSF20	Preferred	L160
BQCEAJEAJ	BQ	C	4 mm x 25 mm	4 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
BQCEAKEAK	BQ	C	4 mm x 30 mm	4 mm x 30 mm	115 or 115PLUSF20	Preferred	L160
BQCEALEAL	BQ	C	4 mm x 40 mm	4 mm x 40 mm	200 or 200PLUSF20	Preferred	L160
BQCEAMEAM	BQ	C	4 mm x 50 mm and wider	4 mm x 50 mm	200 or 200PLUSF20	Preferred	L160
BQCEAHFAH	BQ	C	5 mm x 20 mm	5 mm x 20 mm	90 or 90PLUSF20	Preferred	L160
BQDPAMPAM	BQ	D	6 mm x 50 mm and wider	6 mm x 50 mm	2 x 200 or 400PLUSF20	Preferred	L159

## TW MOLDS



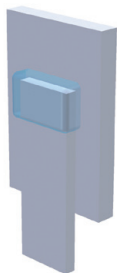
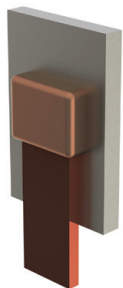
Global Part Number	Mold family	Price Key	Conductor Size	Lug / Busbar Size	Welding Material Required	Ease of Use	Handle Clamp required
TWRCAJ	TW	R	3 mm x 25 mm	3 mm x 25 mm	150 or 150PLUSF20	Preferred	L160

## LUG TO BUSBAR OR STEEL



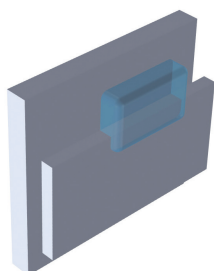
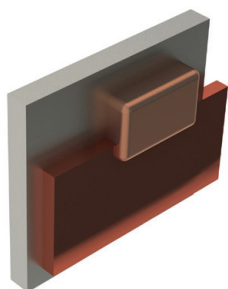
- Forms a permanent, low resistance connection
- Provides a molecular bond
- Cadweld Exothermic Connections are rated with the same current capacity as the conductor
- Portable installation equipment with no external source of power required
- Installers can be easily trained to make Cadweld Exothermic Connections
- Connections are visually inspected

## BW MOLDS



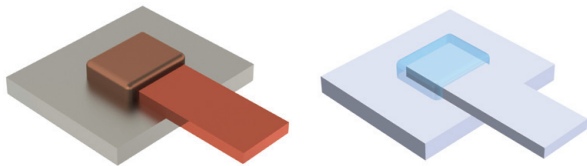
Global Part Number	Mold family	Price Key	Conductor Size	Welding Material Required	Ease of Use	Handle Clamp required
BWCBK	BW	C	2 mm x 30 mm	90 or 90PLUSF20	Preferred	L160
BWCCAJ	BW	C	3 mm x 25 mm	90 or 90PLUSF20	Preferred	L160
BWCCAM	BW	C	3 mm x 50 mm	150 or 150PLUSF20	Preferred	L160
BWCEAL	BW	C	4 mm x 40 mm	150 or 150PLUSF20	Preferred	L160
BWCFAL	BW	C	5 mm x 40 mm	150 or 150PLUSF20	Preferred	L160
BWDPAM	BW	D	6 mm x 50 mm	2-150 or 300PLUSF20	Preferred	L159

## CC MOLDS



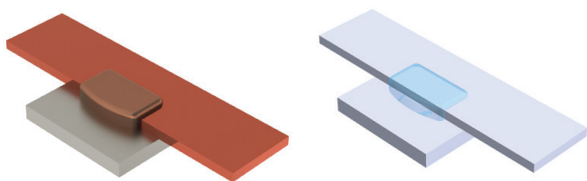
Global Part Number	Mold family	Price Key	Conductor Size	Welding Material Required	Ease of Use	Handle Clamp required
CCCBAK	CC	C	2 mm x 30 mm	90 or 90PLUSF20	Preferred	L160

## CG MOLDS



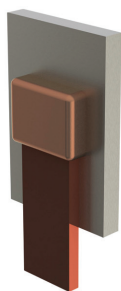
Global Part Number	Mold family	Price Key	Conductor Size	Welding Material Required	Ease of Use	Handle Clamp required
CGCBAK	CG	C	2 mm x 30 mm	65 or 65PLUSF20	Preferred	L160
CGCEAL	CG	C	4 mm x 40 mm	200 or 200PLUSF20	Preferred	L160
CGCFAK	CG	C	5 mm x 30 mm	200 or 200PLUSF20	Preferred	L160

## CH MOLDS



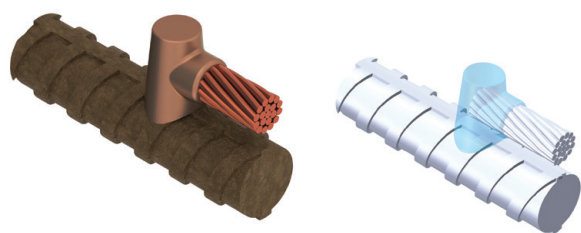
Global Part Number	Mold family	Price Key	Conductor Size	Welding Material Required	Ease of Use	Handle Clamp required
CHCBAK	CH	C	2 mm x 30 mm	65 or 65PLUSF20	Preferred	L160
CHCPAJ	CH	C	6 mm x 25 mm and wider	200 or 200PLUSF20	Preferred	L160
CHCPAL	CH	C	6 mm x 40 mm and wider	250 or 250PLUSF20	Preferred	L160

## CABLE TO REBAR



- Forms a permanent, low resistance connection
- Provides a molecular bond
- 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 Cadweld Exothermic Connections
- Connections are visually inspected

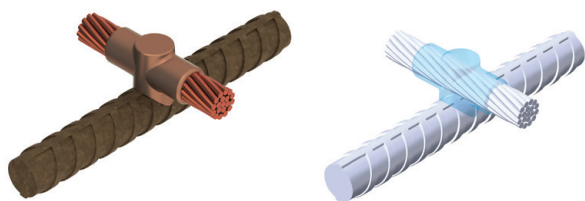
## RR MOLDS



Global Part Number	Mold Family	Price Key	Rebar Size, US	Rebar Size, Metric	Conductor Size	Welding Material, Sold Separately	Batting/Packing Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately	Accessories, Sold Separately
RRA52Y2	RR	A	#4	13 mm	35 mm <sup>2</sup> Concentric	45 or 45PLUSF20	B143A	Preferred	Frame Included	
RRA53Y2	RR	A	#5	16 mm	35 mm <sup>2</sup> Concentric	45 or 45PLUSF20	B143A	Preferred	Frame Included	
RRA58Y2	RR	A	#10	32 mm	35 mm <sup>2</sup> Concentric	45 or 45PLUSF20	B143B	Preferred	Frame Included	
RRC51Y1	RR	C	#3	10 mm	25 mm <sup>2</sup> Concentric	45 or 45PLUSF20		Preferred	L160	
RRC51Y2	RR	C	#3	10 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20		Preferred	L160	
RRC51Y3	RR	C	#3	10 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20		Preferred	L160	
RRC51Y4	RR	C	#3	10 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20		Preferred	L160	
RRC51Y5	RR	C	#3	10 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20		Preferred	L160	
RRC52Y2	RR	C	#4	13 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B141A	Preferred	L160	
RRC52Y3	RR	C	#4	13 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B141A	Preferred	L160	
RRC52Y4	RR	C	#4	13 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B141A	Preferred	L160	
RRC52Y5	RR	C	#4	13 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Preferred	L160	
RRC52Y6	RR	C	#4	13 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Preferred	L160	
RRC53Y3	RR	C	#5	16 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B141A	Preferred	L160	
RRC53Y4	RR	C	#5	16 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B141A	Preferred	L160	
RRC53Y5	RR	C	#5	16 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Preferred	L160	

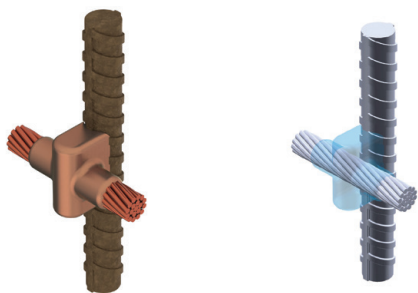
Global Part Number	Mold Family	Price Key	Rebar Size, US	Rebar Size, Metric	Conductor Size	Welding Material, Sold Separately	Batting/Packing Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately	Accessories, Sold Separately
RRC53Y6	RR	C	#5	16 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Preferred	L160	
RRC53Y7	RR	C	#5	16 mm	150 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Preferred	L160	
RRH54Y3	RR	H	#6	19 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B144C	Preferred	Frame Included	B318
RRH54Y4	RR	H	#6	19 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B144C	Preferred	Frame Included	B318
RRH54Y5	RR	H	#6	19 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144C	Preferred	Frame Included	B318
RRH54Y6	RR	H	#6	19 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included	B318
RRH55Y3	RR	H	#7	22 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B144C	Preferred	Frame Included	B318
RRH55Y5	RR	H	#7	22 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144C	Preferred	Frame Included	B318
RRH55Y6	RR	H	#7	22 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included	B318
RRH56Y3	RR	H	#8	25 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B144C	Preferred	Frame Included	B318
RRH56Y4	RR	H	#8	25 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B144C	Preferred	Frame Included	B318
RRH56Y5	RR	H	#8	25 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144C	Preferred	Frame Included	B318
RRH56Y6	RR	H	#8	25 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included	B318
RRH58Y3	RR	H	#10	32 mm	50 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B144C	Preferred	Frame Included	B318
RRH58Y4	RR	H	#10	32 mm	70 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B144C	Preferred	Frame Included	B318
RRH58Y5	RR	H	#10	32 mm	95 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144C	Preferred	Frame Included	B318
RRH58Y6	RR	H	#10	32 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included	B318
RRH59Y6	RR	H	#11	36 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included	B318

## RD MOLDS



Global Part Number	Mold Family	Price Key	Rebar Size, US	Rebar Size, Metric	Conductor Size	Welding Material, Sold Separately	Batting/Packing Material, Sold Separately	Ease of Use	Accessories, Sold Separately
RDM52Y3	RD	M	#4	13 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Preferred	Frame Included
RDM52Y4	RD	M	#4	13 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Preferred	Frame Included
RDM52Y5	RD	M	#4	13 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Preferred	Frame Included
RDM53Y3	RD	M	#5	16 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Preferred	Frame Included
RDM53Y4	RD	M	#5	16 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Preferred	Frame Included
RDM53Y5	RD	M	#5	16 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Preferred	Frame Included
RDM53Y6	RD	M	#5	16 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Preferred	Frame Included
RDH54Y4	RD	H	#6	19 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144C	Preferred	Frame Included
RDH55Y5	RD	H	#7	22 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included
RDH56Y3	RD	H	#8	25 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144C	Preferred	Frame Included
RDH56Y4	RD	H	#8	25 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144C	Preferred	Frame Included
RDH56Y5	RD	H	#8	25 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included
RDH56Y6	RD	H	#8	25 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included
RDH58Y5	RD	H	#10	32 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included
RDH58Y6	RD	H	#10	32 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included
RDH59Y6	RD	H	#11	36 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included

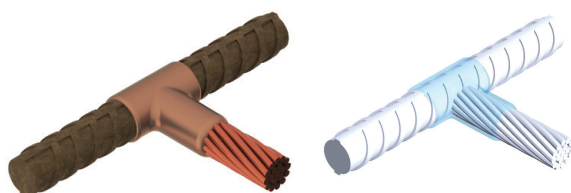
## RC MOLDS



Global Part Number	Mold Family	Price Key	Rebar Size, US	Rebar Size, Metric	Conductor Size	Welding Material, Sold Separately	Batting/Packing Material, Sold Separately	Ease of Use	Accessories, Sold Separately
RCE51Y1	RC	E	#3	10 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B140A	Preferred	L160
RCE51Y2	RC	E	#3	10 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B140A	Preferred	L160
RCE51Y3	RC	E	#3	10 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140A	Preferred	L160
RCE52Y2	RC	E	#4	13 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B140A	Preferred	L160
RCE52Y3	RC	E	#4	13 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140A	Preferred	L160
RCE52Y4	RC	E	#4	13 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140A	Preferred	L160
RCE53Y2	RC	E	#5	16 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B140A	Preferred	L160
RCE53Y3	RC	E	#5	16 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140A	Preferred	L160
RCE53Y4	RC	E	#5	16 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140A	Preferred	L160
RDH56Y4	RD	H	#8	25 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144C	Preferred	Frame Included
RDH56Y5	RD	H	#8	25 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included

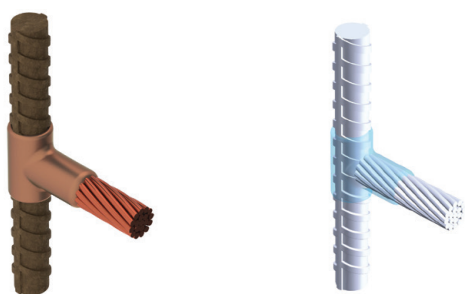
Global Part Number	Mold Family	Price Key	Rebar Size, US	Rebar Size, Metric	Conductor Size	Welding Material, Sold Separately	Batting/Packing Material, Sold Separately	Ease of Use	Accessories, Sold Separately
RCE54Y2	RC	E	#6	19 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B144B	Preferred	L160
RCE54Y3	RC	E	#5	18 mm	50mm <sup>2</sup> Concentric	114 or 115PLUSF20	B144B	Preferred	L160
RCE54Y4	RC	E	#6	19 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144B	Preferred	L160
RCE55Y2	RC	E	#7	22 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B144B	Preferred	L160
RCE55Y3	RC	E	#7	22 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144B	Preferred	L160
RCE55Y4	RC	E	#7	22 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144B	Preferred	L160
RCE56Y2	RC	E	#8	25 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B144B	Preferred	L160
RCE56Y3	RC	E	#8	25 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144B	Preferred	L160
RCE56Y4	RC	E	#8	25 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144B	Preferred	L160
RCE56Y5	RC	E	#8	25 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144B	Preferred	L160
RCE56Y6	RC	E	#8	25 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144B	Preferred	L160
RCE58Y5	RC	E	#10	32 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144B	Preferred	L160

## RH MOLDS



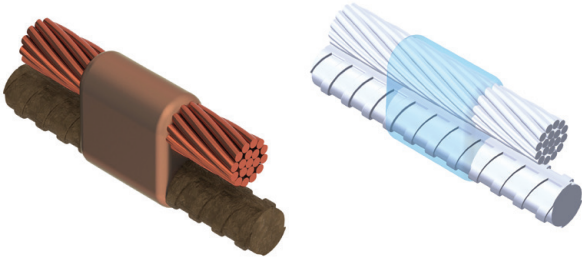
Global Part Number	Mold Family	Price Key	Rebar Size, US	Rebar Size, Metric	Conductor Size	Welding Material, Sold Separately	Batting/Packing Material, Sold Separately	Ease of Use	Accessories, Sold Separately
RHC53W3	RH	C	#5	16 mm	16 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B141A	Preferred	L160
RHC53Y1	RH	C	#5	16 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B141A	Preferred	L160
RHC53Y4	RH	C	#5	16 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Preferred	L160
RHC53Y6	RH	C	#5	16 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Preferred	L160
RHC53Y7	RH	C	#5	16 mm	150 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Preferred	L160
RHH56Y7	RH	H	#8	25 mm	150 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included
RHH58Y6	RH	H	#10	32 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included
RHH58Y7	RH	H	#10	32 mm	150 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144C	Preferred	Frame Included

## RJ MOLDS



Global Part Number	Mold Family	Price Key	Rebar Size, US	Rebar Size, Metric	Conductor Size	Welding Material, Sold Separately	Batting/Packing Material, Sold Separately	Ease of Use	Accessories, Sold Separately
RJC51Y1	RJ	C	#3	10 mm	25 mm <sup>2</sup> Concentric	65 or 65PLUSF20	B140A	Preferred	L160
RJC51Y2	RJ	C	#3	10 mm	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	B140A	Preferred	L160
RJC51Y3	RJ	C	#3	10 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140A	Preferred	L160
RJC51Y4	RJ	C	#3	10 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140A	Preferred	L160
RJC52Y2	RJ	C	#4	13 mm	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	B140A	Preferred	L160
RJC52Y4	RJ	C	#4	13 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140A	Preferred	L160
RJC52Y5	RJ	C	#4	13 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B140A	Preferred	L160
RJC53Y3	RJ	C	#5	16 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140A	Preferred	L160
RJC53Y4	RJ	C	#5	16 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140A	Preferred	L160
RJC53Y5	RJ	C	#5	16 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B140A	Preferred	L160
RJC53Y6	RJ	C	#5	16 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B140A	Preferred	L160
RJC54Y3	RJ	C	#6	19 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140B	Preferred	L160
RJC54Y4	RJ	C	#6	19 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B140B	Preferred	L160
RJC54Y5	RJ	C	#6	19 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B140B	Preferred	L160
RJE55Y2	RJ	E	#7	22 mm	35 mm <sup>2</sup> Concentric	65 or 65PLUSF20	B144A	Preferred	L160
RJE55Y4	RJ	E	#7	22 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144B	Preferred	L160
RJE55Y5	RJ	E	#7	22 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144B	Preferred	L160
RJE56Y3	RJ	E	#8	25 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144B	Preferred	L160
RJE56Y4	RJ	E	#8	25 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144B	Preferred	L160
RJE56Y5	RJ	E	#8	25 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144B	Preferred	L160
RJE56Y6	RJ	E	#8	25 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144B	Preferred	L160
RJE58Y5	RJ	E	#10	32 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144B	Preferred	L160
RJE58Y6	RJ	E	#10	32 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144B	Preferred	L160
RJE59Y6	RJ	E	#11	36 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B144B	Preferred	L160

## RT MOLDS



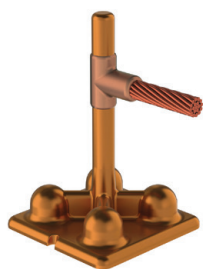
Global Part Number	Mold Family	Price Key	Rebar Size, US	Rebar Size, Metric	Conductor Size	Welding Material, Sold Separately	Batting/Packing Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately	Accessories, Sold Separately
RTC51Y3	RT	C	#3	10 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Easy	L160	
RTC51Y6	RT	C	#3	10 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Easy	L160	
RTC52Y1	RT	C	#4	13 mm	25 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B141A	Easy	L160	
RTC52Y2	RT	C	#4	13 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B141A	Easy	L160	
RTC52Y3	RT	C	#4	13 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Easy	L160	
RTC52Y4	RT	C	#4	13 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Easy	L160	
RTC52Y6	RT	C	#4	13 mm	120 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Easy	L160	
RTC53Y2	RT	C	#5	16 mm	35 mm <sup>2</sup> Concentric	90 or 90PLUSF20	B141A	Easy	L160	
RTC53Y3	RT	C	#5	16 mm	50 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B141A	Easy	L160	
RTC53Y5	RT	C	#5	16 mm	95 mm <sup>2</sup> Concentric	150 or 150PLUSF20	B141A	Easy	L160	
RTH56Y4	RT	H	#8	25 mm	70 mm <sup>2</sup> Concentric	115 or 115PLUSF20	B144C	Easy	Frame Included	B318

## CABLE TO GROUND RECEPTACLE OR GROUND PLATE



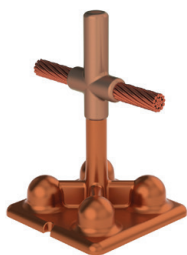
- Forms a permanent, low resistance connection
- Provides a molecular bond
- Cadweld Exothermic Connections are rated with the same current capacity as the conductor
- Portable installation equipment with no external source of power required
- Installers can be easily trained to make Cadweld Exothermic Connections
- Connections are visually inspected

### RA MOLDS



Global Part Number	Mold Family	Price Key	Conductor 1	Ground Plate, Sold Separately	Welding Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately
RAC2C	RA	C	1/0 Concentric	B1612Q, B1622Q, B1642Q	150 or 150PLUSF20	Preferred	L160
RAC2G	RA	C	2/0 Concentric	B1612Q, B1622Q, B1642Q	150 or 150PLUSF20	Preferred	L160
RAC2Q	RA	C	4/0 Concentric	B1612Q, B1622Q, B1642Q	150 or 150PLUSF20	Preferred	L160
RACY4	RA	C	70 mm <sup>2</sup> Concentric	B1612Q, B1622Q, B1642Q	150 or 150PLUSF20	Preferred	L160
RACY42Q	RA	C	70 mm <sup>2</sup> Concentric	B1612Q, B1622Q, B1642Q	150 or 150PLUSF20	Preferred	L160
RACY62Q	RA	C	120 mm <sup>2</sup> Concentric	B1612Q, B1622Q, B1642Q	150 or 150PLUSF20	Preferred	L160

### RB MOLDS



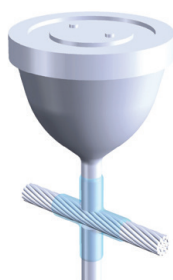
Global Part Number	Mold Family	Price Key	Conductor 1	Ground Plate, Sold Separately	Welding Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately
RBC2G	RB	C	2/0 Concentric	B1612Q, B1622Q, B1642Q	150 or 150PLUSF20	Preferred	L160
RBC2Q	RB	C	4/0 Concentric	B1612Q, B1622Q, B1642Q	200 or 200PLUSF20	Preferred	L160

## GB/GR MOLDS



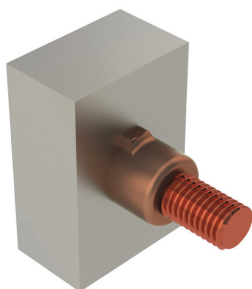
Global Part Number	Mold Family	Price Key	Conductor 1	Ground Rod Diameter (nominal)	Ground Rod Diameter Actual (mm)	Ground Receptacle, Sold Separately	Welding Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately
GBJGR162CR2	GB/GR	J	1/0 Concentric	5/8" dia	14.3 mm	B166	200 or 200PLUSF20	Preferred	L160
GBJGR162QR1	GB/GR	J	4/0 Concentric	5/8" dia	14.3 mm	B165	200 or 200PLUSF20	Preferred	L160
GBJGR182CR1	GB/GR	J	1/0 Concentric	3/4" dia	17.3 mm	B165	200 or 200PLUSF20	Preferred	L160
GBJGR182CR2	GB/GR	J	1/0 Concentric	3/4" dia	17.3 mm	B166	200 or 200PLUSF20	Preferred	L160
GBJGR182GR1	GB/GR	J	2/0 Concentric	3/4" dia	17.3 mm	B165	200 or 200PLUSF20	Preferred	L160
GBJGR182GR2	GB/GR	J	2/0 Concentric	3/4" dia	17.3 mm	B166	200 or 200PLUSF20	Preferred	L160
GBJGR182QR1	GB/GR	J	4/0 Concentric	3/4" dia	17.3 mm	B165	200 or 200PLUSF20	Preferred	L160
GBJGR332GR1	GB/GR	J	2/0 Concentric	3/4" dia	17.3 mm	B165	200 or 200PLUSF20	Preferred	L160

## GB/GT MOLDS



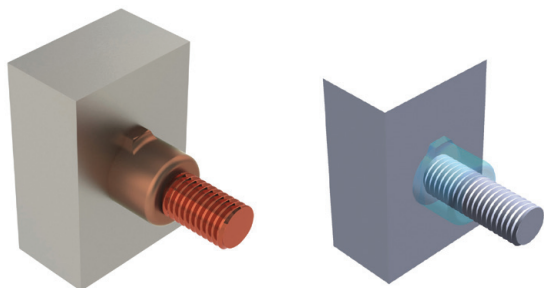
Global Part Number	Mold Family	Price Key	Conductor 1	Ground Rod Diameter (nominal)	Ground Rod Diameter Actual (mm)	Ground Receptacle, Sold Separately	Welding Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately
GBJGR162CR2	GB/GR	J	1/0 Concentric	5/8" dia	14.3 mm	B166	200 or 200PLUSF20	Preferred	L160
GBJGR162QR1	GB/GR	J	4/0 Concentric	5/8" dia	14.3 mm	B165	200 or 200PLUSF20	Preferred	L160
GBJGR182CR1	GB/GR	J	1/0 Concentric	3/4" dia	17.3 mm	B165	200 or 200PLUSF20	Preferred	L160
GBJGR182CR2	GB/GR	J	1/0 Concentric	3/4" dia	17.3 mm	B166	200 or 200PLUSF20	Preferred	L160
GBJGR182GR1	GB/GR	J	2/0 Concentric	3/4" dia	17.3 mm	B165	200 or 200PLUSF20	Preferred	L160
GBJGR182GR2	GB/GR	J	2/0 Concentric	3/4" dia	17.3 mm	B166	200 or 200PLUSF20	Preferred	L160
GBJGR182QR1	GB/GR	J	4/0 Concentric	3/4" dia	17.3 mm	B165	200 or 200PLUSF20	Preferred	L160
GBJGR332GR1	GB/GR	J	2/0 Concentric	3/4" dia	17.3 mm	B165	200 or 200PLUSF20	Preferred	L160

## COPPER OR STEEL STUD TO STEEL SURFACE



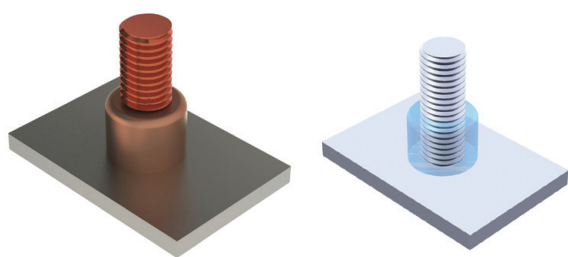
- Forms a permanent, low resistance connection
- Provides a molecular bond
- Cadweld Exothermic Connections are rated with the same current capacity as the conductor
- Portable installation equipment with no external source of power required
- Installers can be easily trained to make Cadweld Exothermic Connections
- Connections are visually inspected

### HV MOLDS



Global Part Number	Mold Family	Price Key	Stud Type	Connects To	Welding Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately
HVC12	HV	C	3/8" Steel Stud	Steel Surface	45 or 45PLUSF20	Easy	L160
HVC12CU	HV	C	3/8" Copper Stud	Steel Surface	90 or 90PLUSF20	Easy	L160
HVCP120	HV	C	12 mm Steel Stud	Steel Surface	90 or 90PLUSF20	Easy	L160
HVC14CU	HV	C	1/2" Copper Stud	Steel Surface	115 or 115PLUSF20	Easy	L160
HVC18	HV	C	3/4" Steel Stud	Steel Surface	150 or 150PLUSF20	Easy	L160
HVC31CU	HV	C	5/8" Copper Stud	Steel Surface	150 or 150PLUSF20	Easy	L160
HVD37CU	HV	D	1" Copper Stud	Steel Surface	200 x 2 or 400PLUSF20	Easy	L159

### HX MOLDS



Global Part Number	Mold Family	Price Key	Stud Type	Connects To	Welding Material, Sold Separately	Ease of Use	Handle Clamp, Sold Separately
HXC10	HX	C	1/4" Steel Stud	Steel Surface	25 or 25PLUSF20	Easy	L160
HXC12	HX	C	3/8" Steel Stud	Steel Surface	45 or 45PLUSF20	Easy	L160
HXC14	HX	C	1/2" Steel Stud	Steel Surface	65 or 65PLUSF20	Easy	L160
HXC14CU	HX	C	1/2" Copper Stud	Steel Surface	115 or 115PLUSF20	Easy	L160
HXC16	HX	C	5/8" Steel Stud	Steel Surface	90 or 90PLUSF20	Easy	L160
HXC22	HX	C	1" Steel Stud	Steel Surface	150 x 2 or 300PLUSF20	Easy	L160

## ADDITIONAL MOLDS

The Cadweld connection styles presented in the additional mold section are “non-catalog” offerings. These connection styles and others are available when standard connections do not meet the installation requirements. Connections are identified with an ease of use and a mold split identifier. Ease of use categories include: preferred, easy, difficult and most difficult.

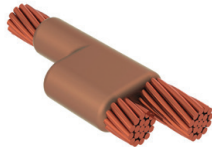
If possible, efforts should be made to use preferred or easy to use connection styles.

Mold split identifies molds that have a vertically split crucible (V). Those without a designation do not have a vertically split crucible. For additional information and/or assistance in ordering non-catalog connection styles, please contact your Cadweld representative.

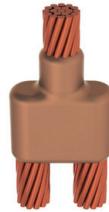
### CABLE TO CABLE



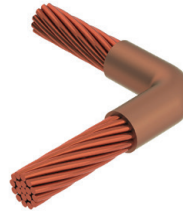
SV  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



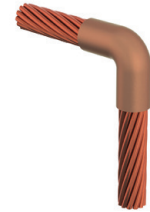
SC  
**Ease of Use:** PREFERRED  
**Mold Split:** -



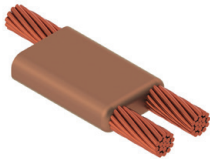
SE  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



PP  
**Ease of Use:** PREFERRED  
**Mold Split:** -



PR  
**Ease of Use:** EASY  
**Mold Split:** V



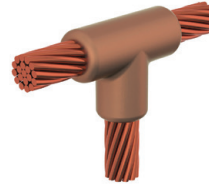
PA  
**Ease of Use:** EASY  
**Mold Split:** -



PB  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



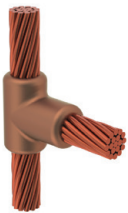
PD  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



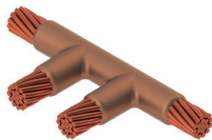
TV  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



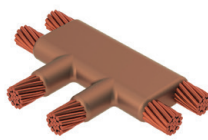
TL  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



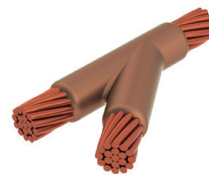
TC  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



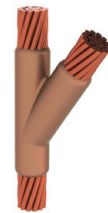
TD  
**Ease of Use:** DIFFICULT  
**Mold Split:** -



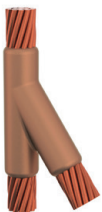
TF  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



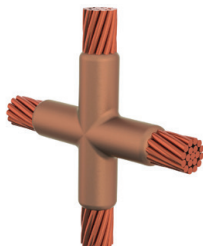
YR  
**Ease of Use:** EASY  
**Mold Split:** H



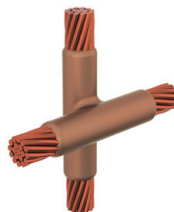
YC  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



YD  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



XC  
**Ease of Use:** DIFFICULT  
**Mold Split:** V

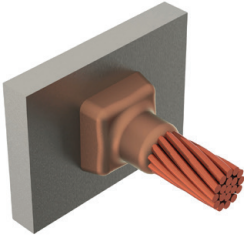
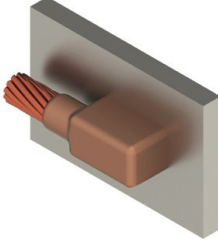


XG  
**Ease of Use:** DIFFICULT  
**Mold Split:** -

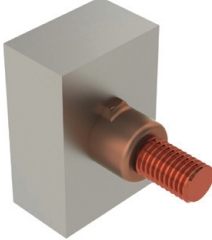
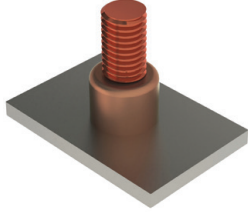
**CABLE TO CABLE**

				
GF <b>Ease of Use:</b> PREFERRED <b>Mold Split:</b> V	GD <b>Ease of Use:</b> DIFFICULT <b>Mold Split:</b> V	GC <b>Ease of Use:</b> DIFFICULT <b>Mold Split:</b> V	GV <b>Ease of Use:</b> PREFERRED <b>Mold Split:</b> V	GS <b>Ease of Use:</b> PREFERRED <b>Mold Split:</b> V
				
GQ <b>Ease of Use:</b> EASY <b>Mold Split:</b> V	DQ <b>Ease of Use:</b> PREFERRED <b>Mold Split:</b> V	GW <b>Ease of Use:</b> EASY <b>Mold Split:</b> V	GP <b>Ease of Use:</b> DIFFICULT <b>Mold Split:</b> V	GG <b>Ease of Use:</b> PREFERRED <b>Mold Split:</b> -
				
GH <b>Ease of Use:</b> DIFFICULT <b>Mold Split:</b> V	GX <b>Ease of Use:</b> DIFFICULT <b>Mold Split:</b> V	GJ <b>Ease of Use:</b> PREFERRED <b>Mold Split:</b> -	GM <b>Ease of Use:</b> EASY <b>Mold Split:</b> V	

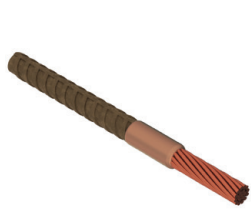
**CABLE TO STEEL**

	
VA <b>Ease of Use:</b> PREFERRED <b>Mold Split:</b> V	VL <b>Ease of Use:</b> PREFERRED <b>Mold Split:</b> V

**STUDS TO STEEL SURFACE**

	
HV <b>Ease of Use:</b> PREFERRED <b>Mold Split:</b> V	HX <b>Ease of Use:</b> PREFERRED <b>Mold Split:</b> V

## CABLE TO REBAR



RG  
Ease of Use: PREFERRED  
Mold Split: V



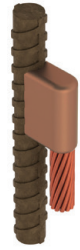
RE  
Ease of Use: EASY  
Mold Split: V



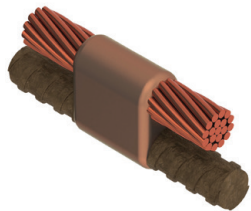
RF  
Ease of Use: EASY  
Mold Split: V



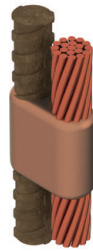
RV  
Ease of Use: EASY  
Mold Split: V



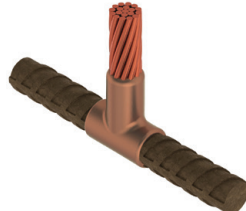
DR  
Ease of Use: EASY  
Mold Split: V



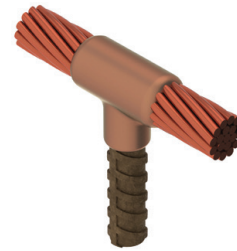
RT  
Ease of Use: EASY  
Mold Split: V



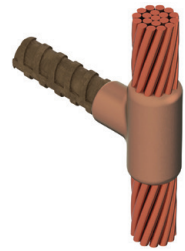
RW  
Ease of Use: EASY  
Mold Split: V



RM  
Ease of Use: EASY  
Mold Split: V

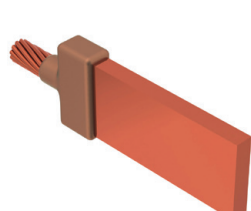


RQ  
Ease of Use: EASY  
Mold Split: V

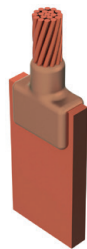


RL  
Ease of Use: EASY  
Mold Split: V

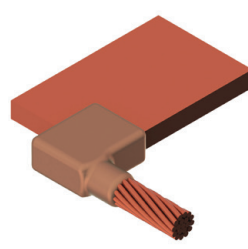
## CABLE TO LUG OR BUSBAR



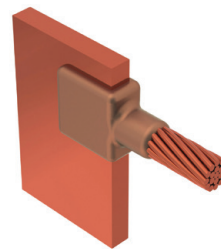
LB  
Ease of Use: PREFERRED  
Mold Split: V



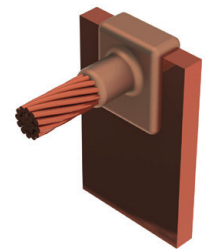
LD  
Ease of Use: DIFFICULT  
Mold Split: -



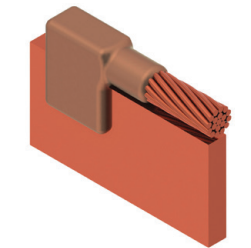
LX  
Ease of Use: EASY  
Mold Split: V



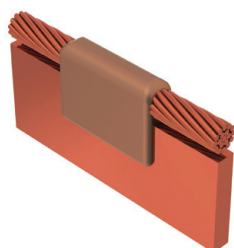
MG  
Ease of Use: EASY  
Mold Split: -



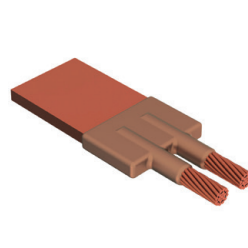
ME  
Ease of Use: EASY  
Mold Split: V



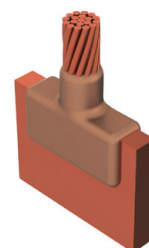
LV  
Ease of Use: PREFERRED  
Mold Split: V



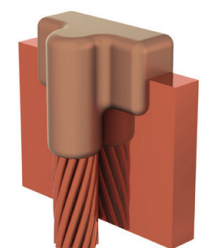
LW  
Ease of Use: PREFERRED  
Mold Split: -



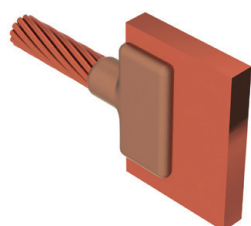
LS  
Ease of Use: EASY  
Mold Split: V



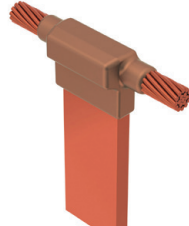
LM  
Ease of Use: PREFERRED  
Mold Split: -



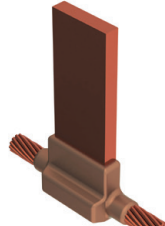
LL  
Ease of Use: PREFERRED  
Mold Split: V



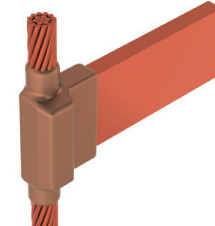
LK  
Ease of Use: EASY  
Mold Split: -



LG  
Ease of Use: DIFFICULT  
Mold Split: -

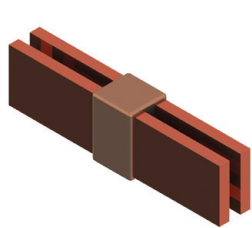


LF  
Ease of Use: DIFFICULT  
Mold Split: V

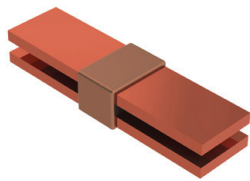


LH  
Ease of Use: DIFFICULT  
Mold Split: -

## BUSBAR TO BUSBAR



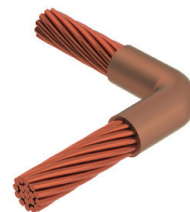
BF  
**Ease of Use:** EASY  
**Mold Split:** -



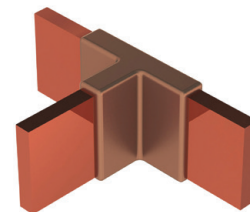
BG  
**Ease of Use:** EASY  
**Mold Split:** -



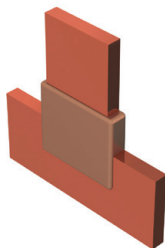
BH  
**Ease of Use:** MOST DIFFICULT  
**Mold Split:** V



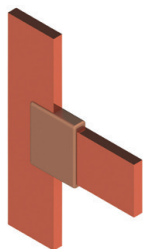
BJ  
**Ease of Use:** EASY  
**Mold Split:** V



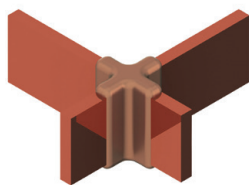
BK  
**Ease of Use:** EASY  
**Mold Split:** -



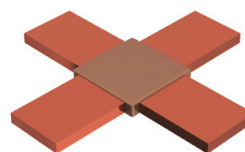
DE  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



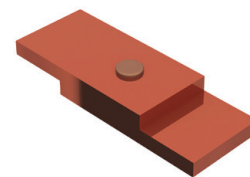
EE  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



EC  
**Ease of Use:** MOST DIFFICULT  
**Mold Split:** V

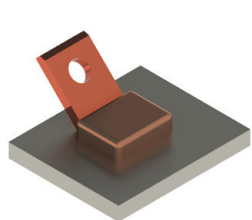


EA  
**Ease of Use:** MOST DIFFICULT  
**Mold Split:** V

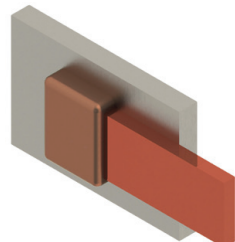


TW  
**Ease of Use:** PREFERRED  
**Mold Split:** -

## LUG OR BUSBAR TO STEEL

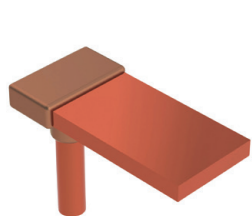


HL  
**Ease of Use:** PREFERRED  
**Mold Split:** V

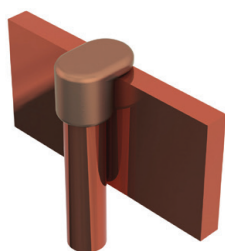


DF  
**Ease of Use:** EASY  
**Mold Split:** V

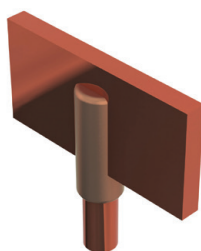
## BUSBAR TO GROUND ROD



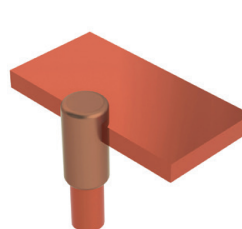
CN  
**Ease of Use:** PREFERRED  
**Mold Split:** V



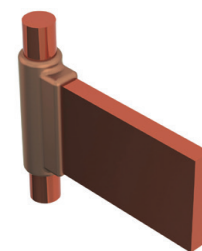
CR  
**Ease of Use:** PREFERRED  
**Mold Split:** V



CM  
**Ease of Use:** DIFFICULT  
**Mold Split:** V



CP  
**Ease of Use:** EASY  
**Mold Split:** V



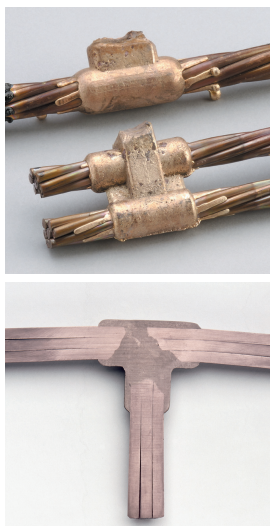
CQ  
**Ease of Use:** DIFFICULT  
**Mold Split:** V

# nVent ERICO Cadweld Welding Material, Tools and Accessories

# Cadweld Plus

Cadweld Plus connections offer all the benefits of conventional Cadweld connections:

- Current carrying capacity equal to or greater than that of the conductor
- Withstand repeated fault currents without failing during operation
- Permanent, molecular bond that will not loosen or corrode, resulting in a connection with a lifetime equal to that of the installation
- Join copper to copper, copper to galvanized or plain steel, copper to copper clad steel, copper to bronze/ brass/stainless steel, steel to steel, etc.
- No external power or heat source required
- Quality Assurance Inspection is easy and visual
- Minimal installation training required
- Exceed requirements of "IEEE Std. 837-2014 -Std. for Qualifying Permanent Connections Used In Substation Grounding"



The Cadweld molecular bond will last the lifetime of the conductors.

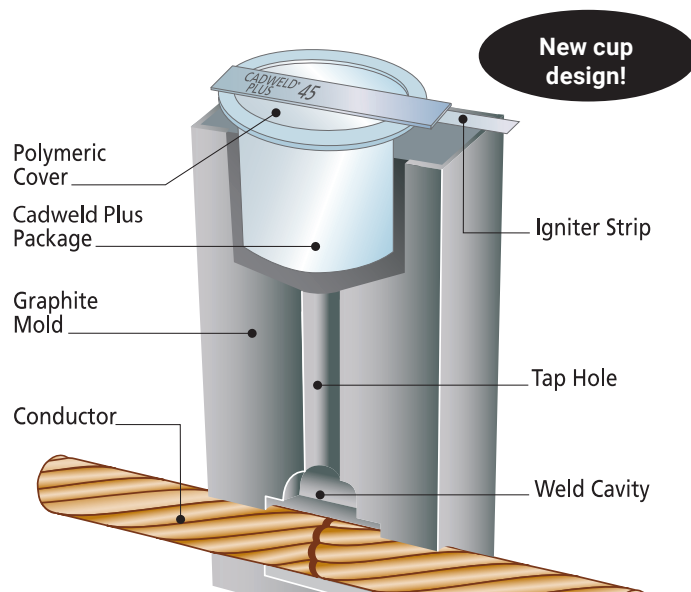
## CADWELD PLUS

**The ultimate welded connection that will never loosen, corrode or increase in resistance.**

nVent ERICO is dedicated to continuous product improvement to meet its customers' needs and maintain the highest level of satisfaction. The introduction of Cadweld electrical connections in 1938 enabled them to be quickly recognized as the ultimate connection for rail, cathodic, power and grounding applications.

Continuing the tradition of technical leadership, Cadweld Plus was developed as a simplified method of performing exothermically welded electrical connections. This trusted system now features a new Cadweld Plus cup design for the integrated welding material package which has streamlined the installation process by eliminating ignition materials.

The tamper proof, integrated welding material package consists of a steel cup containing Cadweld patented welding material alloys and an ignition source. This newly shaped welding material package is designed for use in all standard Cadweld molds, including Cadweld Multi. Once placed in the Cadweld mold, the welding material is electronically ignited using a simple battery-powered control unit with a six-foot lead.



Feature	Benefits
Integrated Welding Material Package	<ul style="list-style-type: none"> <li>• Simplifies training and set up</li> <li>• Saves labor</li> <li>• Simplifies cleaning</li> </ul>
Color Coded Welding Material	<ul style="list-style-type: none"> <li>• Helps reduce risk of misapplication</li> <li>• Simple visual verification of correct welding material size</li> </ul>
Electronic Control Unit	<ul style="list-style-type: none"> <li>• No starting material required</li> <li>• Easy ignition</li> </ul>
Replaceable Six or Fifteen Foot Control Unit Lead	<ul style="list-style-type: none"> <li>• Increased flexibility in hard to reach areas</li> </ul>

# Cadweld Plus

- Consists of a tamper proof, disposable, moisture-resistant welding material cup. The welding material, disk and ignition source are incorporated into the self-contained package
- Long shelf life
- Completes welds at distances of up to 6 ft/1.8 meters (up to 15 ft/4.6 meters with optional lead)
- Requires minimum components – no starting material, no disks, no flint igniters
- Easy to handle, store and transport – by air, land or sea in unlimited quantities

- Reduces installation time by 20%
- Has color-coded welding material containers – by size and alloy type – for easy identification
- Has electronic ignition with a CE/UL battery powered controller box that is designed for 600 connections with one set of 8 standard AA batteries (included) – requiring no special batteries or chargers
- Designed for use in standard Cadweld molds including Cadweld Multi

## Installation Is Easy! 4 Simple Steps For Permanently Welded Electrical Connections



Self contained welding material package



1 Insert Cadweld Plus cup into mold (may require use of a cover/baffle)



2 Attach control unit termination clip to ignition strip



3 Press and hold control unit switch and wait for the ignition

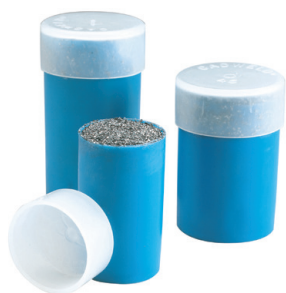


4 Open the mold and remove the expended steel cup – no special disposal required

Cadweld Plus Control Unit initiates the reaction of the metal crucible. The standard unit includes a 6-foot (1.8 meter) high temperature control unit lead. The lead attaches to the ignition strip using a custom made, purpose-designed termination clip.

After the termination clip is installed on the ignition strip, the installer pushes and holds the ignition button to start a charging and discharging sequence. Within a few seconds the control unit sends a predetermined voltage to the ignition strip and the reaction is initiated.

## CADWELD WELDING MATERIAL, F20



### FEATURES

- Mixture consists mainly of copper oxide and aluminum
- Primarily used in grounding and bonding applications
- Welding material is in the top of the tube and starting material is in the bottom of the tube
- Packaged by size in plastic tubes with clear caps
- Tubes packaged in plastic boxes along with metal disks
- Each welded connection uses a single disk
- Non-explosive
- Not subject to spontaneous ignition
- See specific Cadweld connection details to determine welding material requirements



Part Number	Article Number	Standard Packaging Quantity
15	163590	20 pc
25	163000	20 pc
32	163010	20 pc
45	163020	20 pc
65	163030	20 pc
90	163040	10 pc
115	163050	10 pc
150	163060	10 pc
200	163070	10 pc
250	163080	10 pc
500	163090	10 pc

## CADWELD PLUS WELDING MATERIAL, F20



### FEATURES

- Mixture consists mainly of copper oxide and aluminum
- Primarily used in grounding and bonding applications
- Integrated welding material package
- Color coding by size for easy identification
- Electronic ignition
- No starting material required
- Non-explosive
- Not subject to spontaneous ignition
- See specific Cadweld connection details to determine welding material requirements



Part Number	Article Number	Color Code Ring	Certifications	Standard Packaging Quantity
15PLUSF20	165700	Black	cULus	20 pc
25PLUSF20	165701	Red	cULus	20 pc
115PLUSF20	165706	Orange	cULus	10 pc
150PLUSF20	165707	Dark Blue	cULus	10 pc
200PLUSF20	165708	Yellow	cULus	10 pc
250PLUSF20	165709	Purple	cULus	10 pc
300PLUSF20	165710	Light Green	cULus	10 pc
1250PLUSF20		None		5 pc

Part Number	Article Number	Color Code Ring	Certifications	Standard Packaging Quantity
32PLUSF20	165702	White	cULus	20 pc
400PLUSF20	165711	Brown		10 pc
45PLUSF20	165703	Light Blue	cULus	20 pc
500PLUSF20	165712	Light Brown		10 pc
600PLUSF20		White		10 pc
65PLUSF20	165704	Dark Green	cULus	20 pc
750PLUSF20	164996	White		5 pc
90PLUSF20	165705	Gray	cULus	10 pc

## CADWELD EXOLON WELDING MATERIAL, F20



### FEATURES

- Mixture consists mainly of copper oxide and aluminum
- Primarily used in grounding and bonding applications
- Designed for applications where low smoke emission is required
- Welding material packaged in tubes without starting material
- Tubes packaged with filters and igniters
- Electronic ignition
- Each weld uses one igniter
- Not subject to spontaneous ignition
- See specific Cadweld connection details to determine welding material requirements



Part Number	Clarification
XL115	cULus
XL15	cULus
XL150	cULus
XL200	cULus
XL25	cULus
XL250	cULus
XL300	cULus
XL32	cULus
XL400	cULus
XL45	cULus
XL500	cULus
XL600	
XL65	cULus
XL750	
XL90	cULus

## CADWELD ONE SHOT, CABLE TO GROUND ROD



### FEATURES

- Single use ceramic mold which eliminates the need for a graphite mold and handle clamp/frame
- Produces a permanent connection that will not loosen or corrode
- Fits plain copper-bonded, threaded copper-bonded, full-size galvanized and stainless steel ground rods
- NEC® compliant
- Tubes packaged with filters and igniters
- Electronic ignition
- Each weld uses one igniter
- Not subject to spontaneous ignition
- See specific Cadweld connection details to determine welding material requirements

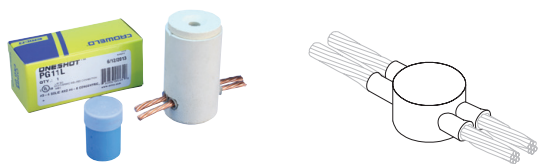


Part Number	Article Number	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid	Connection, Stranded
<b>Welding Material Type: Cadweld Plus</b>						
GR1141GPLUS	165750	GR (ONE SHOT)	1/2"	11,2 – 12,9 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GR1141LPLUS	165751	GR (ONE SHOT)	1/2"	11,2 – 12,9 mm		16 mm <sup>2</sup>
GR1141VPLUS	165752	GR (ONE SHOT)	1/2"	11,2 – 12,9 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GR1161GPLUS	165753	GR (ONE SHOT)	5/8"	14,1 – 16,1 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GR1161LPLUS	165754	GR (ONE SHOT)	5/8"	14,1 – 16,1 mm		16 mm <sup>2</sup>
GR1161VPLUS	165755	GR (ONE SHOT)	5/8"	14,1 – 16,1 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GR1162CPLUS	165756	GR (ONE SHOT)	5/8"	14,1 – 16,1 mm		50 mm <sup>2</sup>
GR1162GPLUS	165757	GR (ONE SHOT)	5/8"	14,1 – 16,1 mm	70 mm <sup>2</sup>	70 mm <sup>2</sup>
GR1162QPLUS	165758	GR (ONE SHOT)	5/8"	14,1 – 16,1 mm		95 mm <sup>2</sup>
GR1181GPLUS	165759	GR (ONE SHOT)	3/4"	17,1 – 19,4 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GR1181LPLUS	165760	GR (ONE SHOT)	3/4"	17,1 – 19,4 mm		16 mm <sup>2</sup>
GR1181VPLUS	165761	GR (ONE SHOT)	3/4"	17,1 – 19,4 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GR1182CPLUS	165762	GR (ONE SHOT)	3/4"	17,1 – 19,4 mm		50 mm <sup>2</sup>
GR1182GPLUS	165763	GR (ONE SHOT)	3/4"	17,1 – 19,4 mm	70 mm <sup>2</sup>	70 mm <sup>2</sup>
GR1182QPLUS	165764	GR (ONE SHOT)	3/4"	17,1 – 19,4 mm		95 mm <sup>2</sup>
GT1141GPLUS	165765	GT (ONE SHOT)	1/2"	11,2 – 12,9 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GT1141LPLUS	165766	GT (ONE SHOT)	1/2"	11,2 – 12,9 mm		16 mm <sup>2</sup>
GT1141VPLUS	165767	GT (ONE SHOT)	1/2"	11,2 – 12,9 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GT1142GPLUS		GT (ONE SHOT)	1/2"	11,2 – 12,9 mm	70 mm <sup>2</sup>	70 mm <sup>2</sup>
GT1161GPLUS	165768	GT (ONE SHOT)	5/8"	14,1 – 16,1 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GT1161LPLUS	165769	GT (ONE SHOT)	5/8"	14,1 – 16,1 mm		16 mm <sup>2</sup>
GT1161VPLUS	165770	GT (ONE SHOT)	5/8"	14,1 – 16,1 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GT1162CPLUS	165771	GT (ONE SHOT)	5/8"	14,1 – 16,1 mm		50 mm <sup>2</sup>
GT1162GPLUS	165772	GT (ONE SHOT)	5/8"	14,1 – 16,1 mm	70 mm <sup>2</sup>	70 mm <sup>2</sup>
GT1181GPLUS	165773	GT (ONE SHOT)	3/4"	17,1 – 19,4 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GT1181LPLUS	165774	GT (ONE SHOT)	3/4"	17,1 – 19,4 mm		16 mm <sup>2</sup>
GT1181VPLUS	165775	GT (ONE SHOT)	3/4"	17,1 – 19,4 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GT1182CPLUS	165776	GT (ONE SHOT)	3/4"	17,1 – 19,4 mm		50 mm <sup>2</sup>
GT1182GPLUS		GT (ONE SHOT)	3/4"	17,1 – 19,4 mm	70 mm <sup>2</sup>	70 mm <sup>2</sup>
NT1141GPLUS	165777	NT (ONE SHOT)	1/2"	11,2 – 12,9 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NT1141LPLUS	165778	NT (ONE SHOT)	1/2"	11,2 – 12,9 mm		16 mm <sup>2</sup>
NT1141VPLUS	165779	NT (ONE SHOT)	1/2"	11,2 – 12,9 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
NT1161G1TPLUS		NT (ONE SHOT)	5/8"	14,1 – 16,1 mm		10 mm <sup>2</sup>
NT1161GPLUS	165780	NT (ONE SHOT)	5/8"	14,1 – 16,1 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NT1161LPLUS	165781	NT (ONE SHOT)	5/8"	14,1 – 16,1 mm		16 mm <sup>2</sup>
NT1161VPLUS	165782	NT (ONE SHOT)	5/8"	14,1 – 16,1 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
NT1181GPLUS	165783	NT (ONE SHOT)	3/4"	17,1 – 19,4 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NT1181LPLUS	165784	NT (ONE SHOT)	3/4"	17,1 – 19,4 mm		16 mm <sup>2</sup>
NT1181VPLUS	165785	NT (ONE SHOT)	3/4"	17,1 – 19,4 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
NX1141GPLUS	165786	NX (ONE SHOT)	1/2"	11,2 – 12,9 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NX1141LPLUS	165787	NX (ONE SHOT)	1/2"	11,2 – 12,9 mm		16 mm <sup>2</sup>
NX1161G1TPLUS		NX (ONE SHOT)	5/8"	14,1 – 16,1 mm		10 mm <sup>2</sup>

Part Number	Article Number	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid	Connection, Stranded
NX1161GPLUS	165788	NX (ONE SHOT)	5/8"	14,1 – 16,1 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NX1161LPLUS	165789	NX (ONE SHOT)	5/8"	14,1 – 16,1 mm		16 mm <sup>2</sup>
NX1161VPLUS	165790	NX (ONE SHOT)	5/8"	14,1 – 16,1 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
NX1181GPLUS	165791	NX (ONE SHOT)	3/4"	17,1 – 19,4 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NX1181LPLUS	165792	NX (ONE SHOT)	3/4"	17,1 – 19,4 mm		16 mm <sup>2</sup>
NX1181VPLUS	165793	NX (ONE SHOT)	3/4"	17,1 – 19,4 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
<b>Welding Material Type: Traditional</b>						
GR1141G		GR (ONE SHOT)	1/2"	11,2 – 12,9 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GR1141L		GR (ONE SHOT)	1/2"	11,2 – 12,9 mm		16 mm <sup>2</sup>
GR1141V		GR (ONE SHOT)	1/2"	11,2 – 12,9 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GR1161G		GR (ONE SHOT)	5/8"	14,1 – 16,1 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GR1161GF		GR (ONE SHOT)	5/8"	14,1 – 16,1 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GR1161L		GR (ONE SHOT)	5/8"	14,1 – 16,1 mm		16 mm <sup>2</sup>
GR1161V		GR (ONE SHOT)	5/8"	14,1 – 16,1 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GR1162C		GR (ONE SHOT)	5/8"	14,1 – 16,1 mm		50 mm <sup>2</sup>
GR1162G		GR (ONE SHOT)	5/8"	14,1 – 16,1 mm	70 mm <sup>2</sup>	70 mm <sup>2</sup>
GR1162Q		GR (ONE SHOT)	5/8"	14,1 – 16,1 mm		95 mm <sup>2</sup>
GR1181G		GR (ONE SHOT)	3/4"	17,1 – 19,4 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GR1181L		GR (ONE SHOT)	3/4"	17,1 – 19,4 mm		16 mm <sup>2</sup>
GR1181V		GR (ONE SHOT)	3/4"	17,1 – 19,4 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GR1182C		GR (ONE SHOT)	3/4"	17,1 – 19,4 mm		50 mm <sup>2</sup>
GR1182G		GR (ONE SHOT)	3/4"	17,1 – 19,4 mm	70 mm <sup>2</sup>	70 mm <sup>2</sup>
GR1182Q		GR (ONE SHOT)	3/4"	17,1 – 19,4 mm		95 mm <sup>2</sup>
GT1141G		GT (ONE SHOT)	1/2"	11,2 – 12,9 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GT1141L		GT (ONE SHOT)	1/2"	11,2 – 12,9 mm		16 mm <sup>2</sup>
GT1141V		GT (ONE SHOT)	1/2"	11,2 – 12,9 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GT1161G		GT (ONE SHOT)	5/8"	14,1 – 16,1 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GT1161L		GT (ONE SHOT)	5/8"	14,1 – 16,1 mm		16 mm <sup>2</sup>
GT1161LF		GT (ONE SHOT)	5/8"	14,1 – 16,1 mm		16 mm <sup>2</sup>
GT1161V		GT (ONE SHOT)	5/8"	14,1 – 16,1 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GT1161VF		GT (ONE SHOT)	5/8"	15,6 – 16,1 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GT1162C		GT (ONE SHOT)	5/8"	14,1 – 16,1 mm		50 mm <sup>2</sup>
GT1162G		GT (ONE SHOT)	5/8"	14,1 – 16,1 mm	70 mm <sup>2</sup>	70 mm <sup>2</sup>
GT1181G		GT (ONE SHOT)	3/4"	17,1 – 19,4 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
GT1181L		GT (ONE SHOT)	3/4"	17,1 – 19,4 mm		16 mm <sup>2</sup>
GT1181V		GT (ONE SHOT)	3/4"	17,1 – 19,4 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
GT1182C		GT (ONE SHOT)	3/4"	17,1 – 19,4 mm		50 mm <sup>2</sup>
GT1182G		GT (ONE SHOT)	3/4"	17,1 – 19,4 mm	70 mm <sup>2</sup>	70 mm <sup>2</sup>
NT1141G		NT (ONE SHOT)	1/2"	11,2 – 12,9 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NT1141L		NT (ONE SHOT)	1/2"	11,2 – 12,9 mm		16 mm <sup>2</sup>
NT1141V		NT (ONE SHOT)	1/2"	11,2 – 12,9 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
NT1161G		NT (ONE SHOT)	5/8"	14,1 – 16,1 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NT1161L		NT (ONE SHOT)	5/8"	14,1 – 16,1 mm		16 mm <sup>2</sup>
NT1161V		NT (ONE SHOT)	5/8"	14,1 – 16,1 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
NT1181G		NT (ONE SHOT)	3/4"	17,1 – 19,4 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NT1181L		NT (ONE SHOT)	3/4"	17,1 – 19,4 mm		16 mm <sup>2</sup>
NT1181V		NT (ONE SHOT)	3/4"	17,1 – 19,4 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
NX1141G		NX (ONE SHOT)	1/2"	11,2 – 12,9 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NX1141L		NX (ONE SHOT)	1/2"	11,2 – 12,9 mm		16 mm <sup>2</sup>
NX1161G		NX (ONE SHOT)	5/8"	14,1 – 16,1 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NX1161G1T		NX (ONE SHOT)	5/8"	14,1 – 16,1 mm		10 mm <sup>2</sup>
NX1161L		NX (ONE SHOT)	5/8"	14,1 – 16,1 mm		16 mm <sup>2</sup>
NX1161V		NX (ONE SHOT)	5/8"	14,1 – 16,1 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>
NX1181G		NX (ONE SHOT)	3/4"	17,1 – 19,4 mm	10 mm <sup>2</sup>	10 mm <sup>2</sup>
NX1181L		NX (ONE SHOT)	3/4"	17,1 – 19,4 mm		16 mm <sup>2</sup>
NX1181V		NX (ONE SHOT)	3/4"	17,1 – 19,4 mm	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>

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

## CADWELD ONE SHOT, CABLE TO CABLE



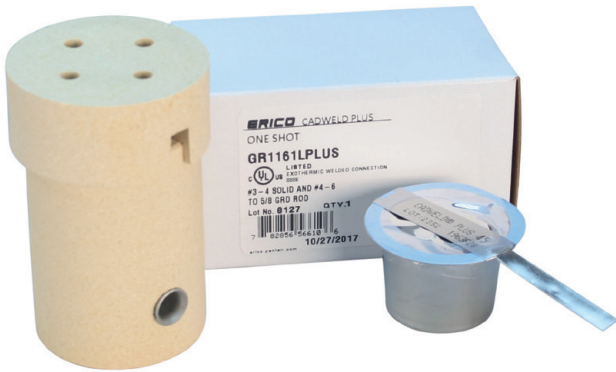
### FEATURES

- Single use ceramic mold which eliminates the need for a graphite mold and handle clamp/frame
- Produces a permanent connection that will not loosen or corrode
- NEC® compliant



Part Number	Mold Family	Connection, Solid	Connection, Stranded
<b>Welding Material Type: Cadweld Plus</b>			
PG11LPLUS	PG (ONE SHOT)		16 mm <sup>2</sup>
<b>Welding Material Type: Traditional</b>			
PG11L	PG (ONE SHOT)		16 mm <sup>2</sup>
PG11V	PG (ONE SHOT)	50 mm <sup>2</sup>	25 mm <sup>2</sup> , 35 mm <sup>2</sup>

# Cadweld One Shot



## PERMANENT EXOTHERMIC CONNECTIONS WITHOUT THE MOLD

Cadweld One Shot produces a permanent exothermic connection to a ground rod that will not loosen, corrode or increase in resistance for the life of the installation. The convenient single-use package makes the connection to the ground rod without a mold or starting material.

Thanks to the electronic Cadweld One Shot Control Unit, welds can now be completed up to 6 ft. (1.8 m) away, increasing weld flexibility in hard-to reach areas. The refractory ceramic body on the Cadweld One Shot is more durable than conventional ceramic and resists breaking.

### INSTALLATION IS EASY!



1. After preparing the ground rod and wire, position the Cadweld One Shot and attach the lead to the control unit.



2. Ignite the Cadweld One Shot with the electronic Cadweld Plus Control Unit.



3. After one minute, break off the ceramic crucible. It can also be left in place, if desired.

### FEATURES

- Easy-to-use electronic ignition. No starting material needed
- Extremely durable disposable ceramic outer body eliminates the graphite mold and frame
- Produces a permanent connection that will not loosen or corrode
- Fits both plain and threaded copper-bonded and full-size steel and stainless steel ground rods
- NEC® compliant
- cULus® Listed

# Cadweld Multi

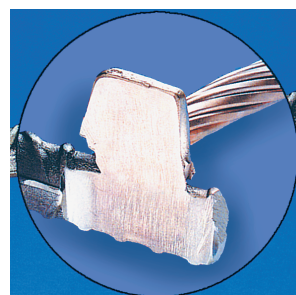


## CADWELD MULTI

**The complete welding system for improving grounding system performance, reliability, and installation convenience.**

Cadweld Multi simplifies the exothermic welding process. Make over 30 separate connection types with a single, universal mold, which now enables you to make connections to a ground rod.

Welding material sold separately.



## EXOTHERMIC WELDED CONNECTIONS

Exothermic welded connections are immune to thermal conditions which can cause mechanical and compression joints to become loose or corrode. They are recognized for their durability and longevity.

## CADWELD CONNECTION

The Cadweld Plus exothermic welding process fuses conductors together to form a molecular bond with a current-carrying capacity equal to that of the conductor. Grounding systems incorporating this type of connection therefore operate as a continuous conductor with lower resistivity.

### CADWELD MULTI OFFERS ENHANCED USER BENEFITS:

- Performs welds to ground rods
- Versatile mold produces an unlimited variety of connections
- Compact compression structure enables easy alignment of conductors
- Language-free instruction guide
- Lightweight kit for easy transportation
- Easy-to-use system completes weld in seconds
- Video available on [nVent.com/ERICO](http://nVent.com/ERICO)

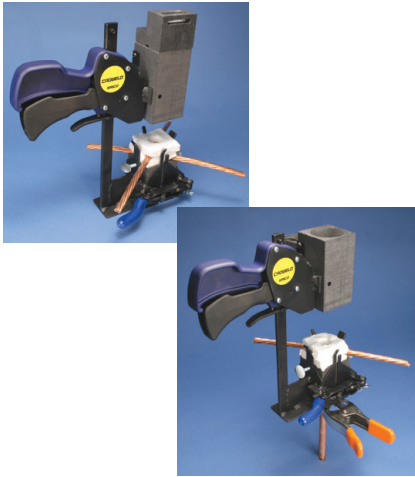
### STANDARD COMPLIANCE

**Cadweld Multi satisfies the requirements of:**

- BS 6651
- BS 7430
- NFC 15-100
- IEEE® 837-2014
- IEEE 80-2000
- IEC 1025-1 (ENV 61024-1)

# Cadweld Multi

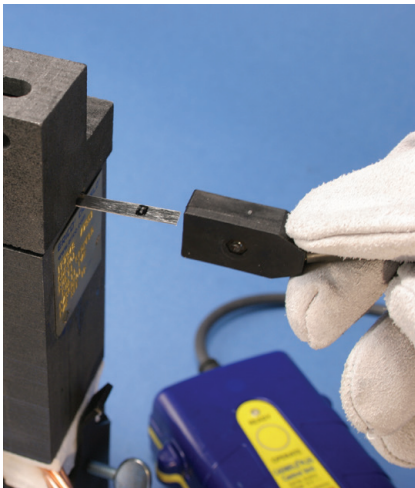
## 4 EASY STEPS FOR MULTIPLE, PERMANENTLY WELDED, ELECTRICAL CONNECTIONS



**Step 1:** Layer batting and variable conductor sizes to be welded into dry mold.



**Step 2:** Add Cadweld Plus welding material.



**Step 3:** Close cover and connect Cadweld Plus control unit.



**Step 4:** Press and hold operate button. Open mold after 10 seconds.

### HOW DOES IT WORK?

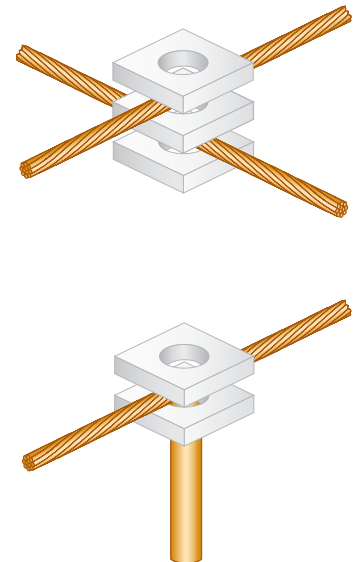
Cadweld Multi combines a versatile mold block and a range of gaskets (batting) to allow numerous different welded connections to be produced without the need to change the mold for each connection type



The process is similar to the Cadweld with one distinct difference...

there is no need to change the mold for different connection types.

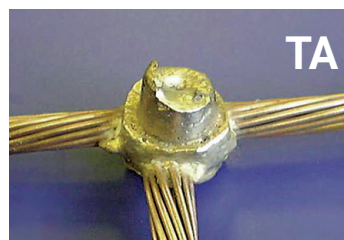
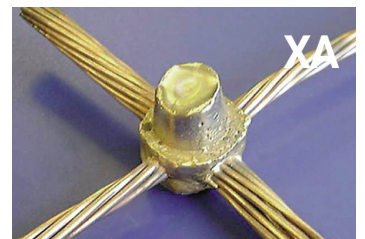
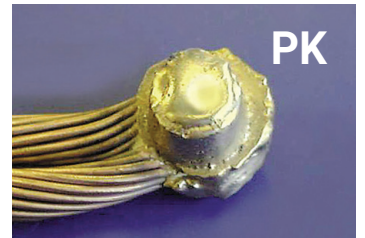
The whole process is complete in about one minute. Page 31 details the gasket quantities required for each weld.



# Cadweld Multi

## CADWELD MULTI OFFERS ALL OF THE BENEFITS OF CADWELD CONNECTIONS:

- Current-carrying capacity equal to that of the conductor
- Permanent molecular bond that will not loosen or corrode
- Works with Cadweld traditional welding material
- Works with Cadweld Plus welding material
- Will withstand repeated fault currents
- No external power or heat required
- Ground rod capabilities
- Visual inspection possible
- Requires minimal training



# Cadweld Multi

## CADWELD MULTI CONNECTION CAPABILITIES

### Copper Cable/Solid to Copper Cable/Solid

**SS** **SC** **PA** **TA** **XA** **GG** **GJ** **TD** **TE** **TF**  
**GF** **GW** **XB** **PP** **PK** **GE** **PG**

- Copper concentric conductor sizes up to 25 mm<sup>2</sup> (6.6 mm dia.) or #3 AWG (0.26" dia.)
- Copper concentric conductor sizes up to 50 mm<sup>2</sup> (9.3 mm dia.) or 1/0 AWG (0.37" dia.)

### Copper Cable/Solid Strip to Rebar

**RG** **RH** **RK** **RF** **RD**

- Copper concentric conductor sizes up to 50 mm<sup>2</sup> (9.3 mm dia.) or 1/0 AWG (0.37" dia.)
- Copper or steel strip sizes up to 30 x 3,5 mm (1.2" x 0.14")
- Rebar sizes up to 10 mm (#3)

### Copper Strip to Copper Strip

**BB** **CG** **BG** **EB**

- BB and CG: Copper strip sizes up to 30 x 3,5 mm (1.2" x 0.14")
- BG and EB: Copper strip sizes up to 30 x 3,0 mm (1.2" x 0.12")

### Copper Cable/Solid to Copper or Steel Strip/Lug

**HA** **HC** **HS** **HT** **GL** **LA** **LJ** **LE**

- Copper concentric conductor sizes up to 50 mm<sup>2</sup> (9.3 mm dia.) or 1/0 AWG (0.37" dia.)
- Copper or steel lug / strip sizes up to 30 x 3,5 mm (1.2" x 0.14")

### Galvanized Steel Strip to Galvanized Steel Strip

**BB** **CG**

- Galvanized steel strip sizes up to 30 x 3,5 mm (1.2" x 0.14")

### Ground Rod Connections

**TG** **GT** **CN** **CP** **GR** **GT** **CN** **CP** **GR**

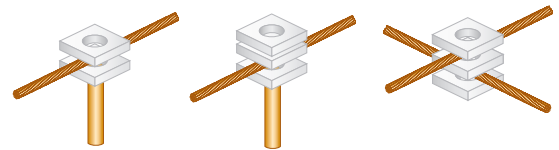
- Copper concentric conductor sizes up to 10 mm<sup>2</sup> (4.2 mm dia.) or #6 AWG (0.18" dia.)
- Copper strip sizes up to 30 x 2,0 mm (1.2" x 0.08")
- Copper concentric conductor sizes greater than 10 mm<sup>2</sup> (4.2 mm dia.) or #6 AWG (0.18" dia.)
- Copper strip sizes 30 x (2,5 - 3,0 mm) or 1.2" x (0.10" - 0.12")
- Steel strip sizes 30 x (0,5 - 3,5 mm) or 1.2" x (0.02" - 0.14")

### Cadweld Multi Available Items

Part Nr	Article Nr	Description	1	Weight (kg)
KITCDMV01	167782	Cadweld Multi Kit	1	25.000
The Cadweld Multi kit (KITCDMV01) contains the following list of items:				
FMCDMV01	120883	Handle Clamp	1	1.800
CDMV01H	240399	Mold for H welds	1	1.200
CDMV0112	240398	Mold for welds on 1/2 rods	1	1.200
CDMV0158	240397	Mold for welds on 5/8 rods	1	1.200
CDMV0134	240396	Mold for welds on 3/4 rods*	1	1.200
SCDM01	120886	Set of 33 batting/gaskets	2	0.200
B399P	162070	SKK1 clamp	1	0.500
TSCSTP	197295	Toolset	1	2.000
B136B	182030	Slag Removal Spade	1	0.144
		Language free instruction sheet	1	
The following items can be used with the Cadweld Multi Kit (KITCDMV01). They are sold separately.				
T320	165000	Flint Ignitor T320	1	0.090
90	163040	10	10	0.090
115	163050	10	10	0.115
PLUSCU	165745	Control Unit	1	1.088
PLUS#90F20	165705	Cadweld Plus welding material	10	0.158

Symbol denotes number of batting (gaskets) required for each connection.

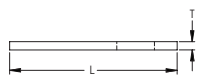
Requires 2 batting layers for weld  
 Requires 3 batting layers for weld



### NOTES:

- \*For connections using a 3/4" ground rod, it is necessary to use #115 / 115PLUSF20 weld material (sold separately).
- For all other connection types, use #90 or 90PLUSF20.
- For connections using galvanized material, remove galvanizing before welding, for a better connection.

## 1 HOLE LUG



### FEATURES

- Provides an efficient bolting surface for grounding and power applications
- Electrolytic grade copper
- For use with Cadweld type LA connections only

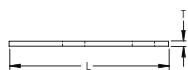
Material: Copper

Finish: Tinned

Part Number	Article Number	Length	Width	Thickness	A	Hole Size	Equivalent Conductor Size
<b>Type: NEMA®</b>							
B101AA		31,750 mm	12,700 mm	1,57 mm	7,9 mm	7,14 mm	20 mm <sup>2</sup>
B101CE		49,276 mm	25,400 mm	3,18 mm	12,7 mm	11,11 mm	81 mm <sup>2</sup>
B101CE002		49,276 mm	25,400 mm	3,18 mm	19,1 mm	17,46 mm	81 mm <sup>2</sup>
B101DE		49,276 mm	25,400 mm	4,76 mm	14,3 mm	14,29 mm	121 mm <sup>2</sup>
B101EE		55,626 mm	25,400 mm	6,35 mm	15,9 mm	14,29 mm	161 mm <sup>2</sup>
B101EG		63,500 mm	38,100 mm	6,35 mm	19,1 mm	17,46 mm	242 mm <sup>2</sup>
B101GG		69,850 mm	38,100 mm	9,53 mm	19,1 mm	17,46 mm	363 mm <sup>2</sup>
B101GH		85,852 mm	50,800 mm	9,53 mm	25,4 mm	17,46 mm	484 mm <sup>2</sup>
B101JH		85,852 mm	50,800 mm	12,70 mm	25,4 mm	14,29 mm	645 mm <sup>2</sup>
B101QQ		49,300 mm	25,400 mm	3,17 mm	12,0 mm	10,50 mm	81 mm <sup>2</sup>
B103JH001		76,200 mm	50,800 mm	12,70 mm	31,8 mm	17,46 mm	645 mm <sup>2</sup>
B103JH010		101,600 mm	50,800 mm	12,70 mm	34,9 mm	15,88 mm	645 mm <sup>2</sup>
PBB101EG		63,500 mm	38,100 mm	6,35 mm	19,1 mm	17,46 mm	242 mm <sup>2</sup>
PBB101GH		85,852 mm	50,800 mm	9,53 mm	25,4 mm	17,46 mm	484 mm <sup>2</sup>
<b>Type: Non-NEMA®</b>							
KA102	183010	49,987 mm	24,994 mm	2,01 mm	12,0 mm	8,50 mm	50 mm <sup>2</sup>
KA103	183020	49,987 mm	24,994 mm	3,00 mm	12,0 mm	8,50 mm	75 mm <sup>2</sup>
KA115	183140	94,996 mm	49,987 mm	5,99 mm	25,0 mm	10,49 mm	300 mm <sup>2</sup>

For sizes not listed, contact us.

## 2 HOLE LUG



### FEATURES

- Provides an efficient bolting surface for grounding and power applications
- Electrolytic grade copper
- For use with Cadweld type LA connections only

Material: Copper

Finish: Tinned

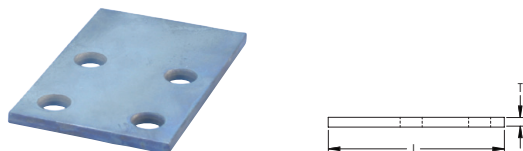
Type: NEMA®

Part Number	Length	Width	Thickness	A	B	Hole Size	Equivalent Conductor Size
B102CE	101,600 mm	25,400 mm	3,18 mm	15,9 mm	44,5 mm	14,29 mm	81 mm <sup>2</sup>
B102DE	101,600 mm	25,400 mm	4,76 mm	15,9 mm	44,5 mm	14,29 mm	121 mm <sup>2</sup>
B102EE	104,775 mm	25,400 mm	6,35 mm	15,9 mm	44,5 mm	14,29 mm	161 mm <sup>2</sup>
B102EG	104,775 mm	38,100 mm	6,35 mm	15,9 mm	44,5 mm	14,29 mm	242 mm <sup>2</sup>
B102EH	104,775 mm	50,800 mm	6,35 mm	15,9 mm	44,5 mm	14,29 mm	323 mm <sup>2</sup>
B102EH001	152,400 mm	50,800 mm	6,35 mm	15,9 mm	44,5 mm	14,29 mm	323 mm <sup>2</sup>

Part Number	Length	Width	Thickness	A	B	Hole Size	Equivalent Conductor Size
B102GG	120,650 mm	38,100 mm	9,53 mm	15,9 mm	44,5 mm	14,29 mm	363 mm <sup>2</sup>
B102GH	120,650 mm	50,800 mm	9,53 mm	15,9 mm	44,5 mm	14,29 mm	484 mm <sup>2</sup>
B102JH	133,350 mm	50,800 mm	12,70 mm	15,9 mm	44,5 mm	14,29 mm	645 mm <sup>2</sup>
B103CE002	88,900 mm	25,400 mm	3,18 mm	15,9 mm	44,5 mm	11,11 mm	81 mm <sup>2</sup>
B103EK004	76,200 mm	76,200 mm	6,35 mm	25,4 mm	44,5 mm	14,29 mm	484 mm <sup>2</sup>

For sizes not listed, contact us.

## 2 HOLE LUG



### FEATURES

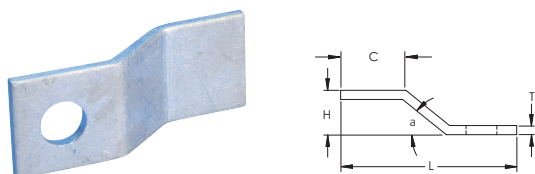
- Provides an efficient bolting surface for grounding and power applications
- Electrolytic grade copper
- For use with Cadweld type LA connections only

Material: Copper  
Finish: Tinned  
Type: NEMA®

Part Number	Length	Width	Thickness	A	B	Hole Size	Equivalent Conductor Size
B104EK	114,300 mm	76,200 mm	6,35 mm	15,9 mm	44,5 mm	14,29 mm	484 mm <sup>2</sup>
B104GK	120,650 mm	76,200 mm	9,53 mm	15,9 mm	44,5 mm	14,29 mm	726 mm <sup>2</sup>
B104JK	120,650 mm	76,200 mm	12,70 mm	15,9 mm	44,5 mm	14,29 mm	968 mm <sup>2</sup>
B104JK003	177,800 mm	76,200 mm	12,70 mm	25,4 mm	44,5 mm	14,29 mm	968 mm <sup>2</sup>

For sizes not listed, contact us.

## 1 HOLE OFFSET LUG



### FEATURES

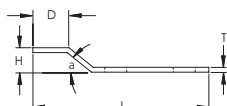
- Provides an efficient bolting surface for grounding and power applications
- Electrolytic grade copper
- For use with Cadweld type LA connections only

Part Number	Article Number	H	L	W	T	A	B	C	HS	a
Material: Copper – Finish: Tinned Type – NEMA®:										
B101CEOL		15,88	63,500	25,400	3,18	12,7	25,4	22,2	11,11	45
B101CEOL001		15,88	63,500	25,400	3,18	12,7	25,4	22,2	17,46	45
B101DEOL		17,53	68,326	25,400	4,76	14,3	28,6	22,2	14,29	45
B101EEOL		19,05	76,200	25,400	6,35	15,9	32,5	26,9	14,29	45
B101EFOL001		19,05	76,200	31,750	6,35	15,9	32,5	26,9	17,46	45
B101EGOL		19,05	82,550	38,100	6,35	19,1	38,1	26,9	17,46	45
B101GGOL		31,75	107,950	38,100	9,53	19,1	44,5	38,1	17,46	45
B101GHOL		31,75	127,000	50,800	9,53	25,4	60,3	38,1	17,46	45
B101GHOL001		31,75	127,000	50,800	9,53	25,4	60,3	38,1	20,64	45
B101QQOL		15,87	64,000	25,400	3,17	12,0	22,0	19,0	11,10	45
B101SQOL		14,26	68,000	25,400	4,76	14,0	28,0	20,5	14,20	45

Part Number	Article Number	H	L	W	T	A	B	C	HS	a
<b>Material: Copper – Finish: Tinned Type – Non-NEMA®:</b>										
B305TC		20,07	91,440	29,972	5,08	15,0	33,8	39,9	17,00	45
KOF103	183200	13,00	54,999	24,994	3,00	10,0	20,0	25,0	8,50	45
<b>Material: Stainless Steel 304 (EN 1.4301) – Type: Non-NEMA®</b>										
B305SS		20,07	91,440	29,972	5,08	15,0	33,8	39,9	17,00	45

For sizes not listed, contact us.

## 2 HOLE OFFSET LUG



### FEATURES

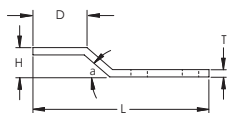
- Provides an efficient bolting surface for grounding and power applications
- Electrolytic grade copper
- For use with Cadweld type LA connections only

Material: Copper  
Finish: Tinned

Part Number	H	L	W	T	A	B	C	D	HS
<b>Type: NEMA®</b>									
B102CEOL	15,88	114,300	25,400	3,18	15,9	44,5	76,2	22,2	14,29
B102CEOL001	15,88	114,300	25,400	3,18	15,9	44,5	76,2	22,2	7,94
B102DEOL	17,53	114,300	25,400	4,76	15,9	44,5	76,2	22,2	14,29
B102EEOL	19,05	120,650	25,400	6,35	15,9	44,5	76,2	26,9	14,29
B102EFOL	19,05	120,650	31,750	6,35	15,9	44,5	76,2	26,9	14,29
B102EGOL	19,05	120,650	38,100	6,35	15,9	44,5	76,2	26,9	14,29
B102EHOL	19,05	127,000	50,800	6,35	15,9	44,5	76,2	31,8	14,29
B102GGOL	31,75	149,225	38,100	9,53	15,9	44,5	82,6	38,1	14,29
B102GHOL	31,75	149,225	50,800	9,53	15,9	44,5	82,6	38,1	14,29
B102JHOL	34,93	149,225	50,800	12,70	15,9	44,5	82,6	50,8	14,29
B102QQOL	15,87	114,000	25,400	3,17	15,8	44,5	76,0	25,4	14,20
PBB102CEOL	16,00	114,300	25,400	3,18	15,9	44,5	76,2	22,2	14,29
<b>Type: Non-NEMA®</b>									
B103AAOL003	14,29	95,250	12,700	1,59	15,9	25,4	57,2	22,2	6,35
B103CEOL003	15,88	87,122	25,400	3,18	11,1	25,4	49,0	22,2	11,11
B103DEOL	27,05	114,300	25,400	4,76	15,9	25,4	49,0	22,2	11,11
B103EEOL003	19,05	51,588	25,400	6,35	11,1	25,4	51,6	26,9	11,11
B103EGOL001	19,05	92,075	38,100	6,35	11,1	25,4	50,8	25,4	11,11

For sizes not listed, contact us.

## 4 HOLE OFFSET LUG



### FEATURES

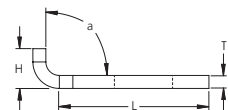
- Provides an efficient bolting surface for grounding and power applications
- Electrolytic grade copper
- For use with Cadweld type LA connections only

Material: Copper  
Finish: Tinned  
Type: NEMA®

Part Number	H	L	W	T	A	B	C	HS	a
B104EKOL	39,62	152,400	76,200	6,35	15,9	44,5	85,7	44,5	14,29
B104GKOL	39,62	158,750	76,200	9,53	15,9	44,5	92,1	44,5	14,29
B104JKOL	39,62	158,750	76,200	12,70	15,9	44,5	92,1	44,5	14,29

For sizes not listed, contact us.

## 1 HOLE LUG, GL STYLE



### FEATURES

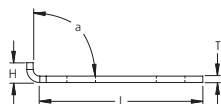
- Provides an efficient bolting surface for grounding and power applications
- Electrolytic grade copper
- For use with Cadweld type LA connections only

Material: Copper  
Finish: Tinned  
Type: NEMA®

Part Number	Article Number	Height	Length	Width	Thickness	A	Hole Size	Angle	Equivalent Conductor Size
B121CE	183650	11,18 mm	36,576 mm	25,400 mm	3,18 mm	15,9 mm	14,29 mm	90°	81 mm <sup>2</sup>
B121DE	183660	11,18 mm	37,338 mm	25,400 mm	4,76 mm	15,9 mm	14,29 mm	105°	121 mm <sup>2</sup>
B121EE		11,18 mm	38,100 mm	25,400 mm	6,35 mm	15,9 mm	14,29 mm	135°	161 mm <sup>2</sup>
B121EG		11,18 mm	38,100 mm	38,100 mm	6,35 mm	15,9 mm	14,29 mm	135°	242 mm <sup>2</sup>
B121QQ		11,00 mm	38,500 mm	25,400 mm	3,20 mm	16,0 mm	14,30 mm	90°	81 mm <sup>2</sup>
B121SQ		11,00 mm	36,500 mm	25,400 mm	4,76 mm	16,0 mm	14,00 mm	90°	121 mm <sup>2</sup>

For sizes not listed, contact us.

## 2 HOLE LUG, GL STYLE



### FEATURES

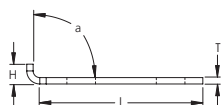
- Provides an efficient bolting surface for grounding and power applications
- Electrolytic grade copper
- For use with Cadweld type LA connections only

Material: Copper  
Finish: Tinned

Part Number	Article Number	H	L	W	T	A	B	HS	a	Equivalent Conductor Size
<b>Type: NEMA®</b>										
B122CE	183660	11,18	81,026	25,400	3,18	15,9	44,5	14,29	90	81
B122DE		11,18	82,550	25,400	4,76	15,9	44,5	14,29	90	121
B122DE002		11,18	62,738	25,400	4,76	15,9	44,5	11,11	90	121
B122EE		11,18	82,550	25,400	6,35	15,9	44,5	14,29	90	161
B122EG		11,18	82,550	38,100	6,35	15,9	44,5	14,29	90	242
<b>Type: Non-NEMA®</b>										
B122EG002		11,18	82,550	82,550	6,35	15,9	44,5	17,46	45	524
B123CE03		11,18	62,738	25,400	3,18	15,9	44,5	11,11	90	81
B123EG03		11,18	82,550	38,100	6,35	15,9	44,5	11,11	90	242

For sizes not listed, contact us.

## 2 HOLE TELECOM LUG



### FEATURES

- Provides an efficient bolting surface for grounding and power applications
- Electrolytic grade copper
- Hole spacing for telecom ground bars
- For use with Cadweld mold GLPCC001TC only

Material: Copper  
Finish: Tinned

Part Number	Height	Length	Width	Thickness	A	B	Hole Size	Angle	Equivalent Conductor Size
B922CC14A	7,93 mm	47,625 mm	15,875 mm	3,18 mm	9,5 mm	15,9 mm	7,14 mm	90°	50 mm <sup>2</sup>
B922CC14B	7,93 mm	47,625 mm	15,875 mm	3,18 mm	9,5 mm	19,1 mm	7,14 mm	90°	50 mm <sup>2</sup>
B922CC14C	7,93 mm	47,625 mm	15,875 mm	3,18 mm	9,5 mm	25,4 mm	7,14 mm	90°	50 mm <sup>2</sup>
B922CC38B	7,93 mm	47,625 mm	15,875 mm	3,18 mm	9,5 mm	19,1 mm	7,14 mm	90°	50 mm <sup>2</sup>
B922CC38C	7,93 mm	47,625 mm	15,875 mm	3,18 mm	9,5 mm	25,4 mm	7,14 mm	90°	50 mm <sup>2</sup>
B922CE716B	11,18 mm	47,625 mm	25,400 mm	3,18 mm	15,9 mm	19,1 mm	7,14 mm	90°	81 mm <sup>2</sup>

For sizes not listed, contact us.

## PREFABRICATED LUG BOND



### FEATURES

- Made with bare annealed copper cable
- Tinned copper NEMA® lugs welded to the cable with Cadweld connections

Prefabricated lug bonds are custom made to specifications. Common usage includes cable tray bonding and grounding, structure bonds, surge arrester leads and power jumpers.

Material: Copper  
Finish: Tinned

Part Number	Conductor Size	Number of Wires	Length 1	Length 2	Width	Thickness	Hole Size	Angle
<b>Lug Configuration: B212</b>								
B2121L8	#4 Stranded	7	203 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	
B2121V12	#2 Stranded	7	305 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	
B2122G16	2/0 Stranded	7	406 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	
B2122Q00318	4/0 Stranded	7	8.077 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	
B2122Q20	4/0 Stranded	7	508 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	
B2122Q24	4/0 Stranded	7	610 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	
<b>Lug Configuration: B213</b>								
B2131L15	#4 Stranded	7	381 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131L20	#4 Stranded	7	508 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131L22	#4 Stranded	7	559 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131L24	#4 Stranded	7	610 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131L28	#4 Stranded	7	711 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131L32	#4 Stranded	7	813 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131L35	#4 Stranded	7	889 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131L38	#4 Stranded	7	965 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131L42	#4 Stranded	7	1.067 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131L44	#4 Stranded	7	1.118 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131V18	#2 Stranded	7	457 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2131V36	#2 Stranded	7	914 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2132G11	2/0 Stranded	7	279 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2132G14	2/0 Stranded	7	356 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2132Q18	4/0 Stranded	7	457 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2132Q36	4/0 Stranded	7	914 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2132Q48	4/0 Stranded	7	1.219 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2132Q54	4/0 Stranded	7	1.372 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2132Q60	4/0 Stranded	7	1.524 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2132V18	250 kcmil Stranded	19	457 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
<b>Lug Configuration: B216</b>								
B2162C72	1/0 Stranded	7	1.829 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	
B2162C96	1/0 Stranded	7	2.438 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	
B2162Q24	4/0 Stranded	7	610 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	
B2162Q8	4/0 Stranded	7	203 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	
<b>Lug Configuration: B217</b>								
B2171L24	#4 Stranded	7	610 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2172C12	1/0 Stranded	7	305 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2172G24	2/0 Stranded	7	610 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2172Q00196	4/0 Stranded	7	4.978 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2172Q12	4/0 Stranded	7	305 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
B2172Q24	4/0 Stranded	7	610 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	
<b>Lug Configuration: B218</b>								
B2182Q30	4/0 Stranded	7	762 mm	37,3 mm	25,4 mm	4,8 mm	14,3 mm	45°

Part Number	Conductor Size	Number of Wires	Length 1	Length 2	Width	Thickness	Hole Size	Angle
Lug Configuration: B219								
B2192C12	1/0 Stranded	7	305 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	45°
B2192Q08	4/0 Stranded	7	203 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	45°
B2192Q12	4/0 Stranded	7	305 mm	82,6 mm	25,4 mm	4,8 mm	14,3 mm	45°

## HANDLE CLAMP

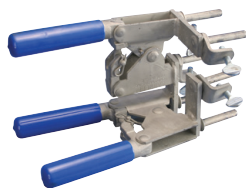


### FEATURES

- Used to securely close the mold around the conductors
- Handle clamps are required for most molds
- Specialized frames and handles are required for some molds
- L160SM has off-set handles to ease the installation of connections in a ditch
- See specific Cadweld mold requirements

Part Number	Price Key	Mold Size
L159	D, F, J, Z	101.6 mm
L160	C, E, Q, R	76.2 mm
L160SM	C, E, Q, R	76.2 mm

## HANDLE CLAMP FOR THREE-PIECE VERTICAL SPLIT MOLDS

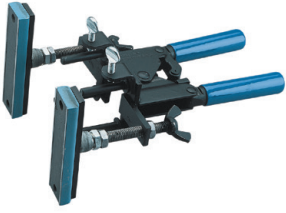


### FEATURES

- Opens the mold in two directions
- Provides more convenience and further simplifies the installation process

Part Number	Price Key
L163	3
L164	4

## HANDLE CLAMP, MAGNETIC



### FEATURES

- Designed to securely hold an Cadweld mold to a large flat or slightly curved vertical steel surface
- Used on vertically split molds
- See specific Cadweld mold requirements

Part Number	Article Number	Price Key
B159M	161631	D, F
B396	161632	C, R

## HANDLE CLAMP WITH CHAIN SUPPORT



### FEATURES

- Securely holds the Cadweld mold to a pipe
- See specific Cadweld mold requirements

Part Number	Article Number	Price Key	Connection Type
<b>Pipe Orientation: Horizontal</b>			
B159H		D, F	HA, HC, HS, HT
B160B		C, R	Vertical Split Molds
B160H		C, R	HA, HC, HS, HT
<b>Pipe Orientation: Vertical</b>			
B159V		D, F	VS, VF, VB, VV
B159VT		D, F	VT
B160V		C, R	VS, VF, VB, VV
B160VT		C, R	VT
L160VG	161660	C, R	VG

## HANDLE CLAMP CHAIN



### FEATURES

- Handle clamp accessory used on specific clamps to securely hold the Cadweld mold to a pipe
- See specific Cadweld mold requirements

Part Number	Mold Family	Handle Clamp	Chain Length	Pipe Orientation	Pipe Size
B158	HA, HC, HS, HT, VB	B159V, B160V, B159VT, B160VT, B159H, and B160H	508 mm	Horizontal, Vertical	4" – 10"

## MAGNETIC ASSEMBLY



### FEATURES

- Powerful welding magnet securely positions the mold during the connection process to a flat steel surface or steel pipe
- Helps with mold stability to reduce the chance of welding material leakage
- Quickly and easily attaches to hold down "A" Price Key molds (new or retrofit)
- Assembly is adjustable
- Ideal when used with Cadweld Plus to allow for use of full extension of control unit lead

Part Number	Article Number
B323N2	161630

## PIPE CLAMP CHAIN

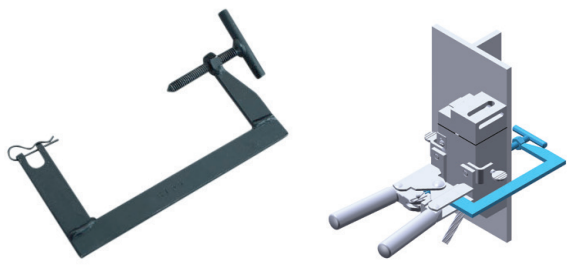


### FEATURES

- Handle clamp accessory
- Used on specific clamps to hold the Cadweld mold to a particular surface
- See specific Cadweld mold requirements

Part Number	Price Key	Pipe Size	Pipe Orientation
B319	CAN, CAP, CAT	6" Max	Vertical
B320	CAA	6" Max	Horizontal

**SUPPORT CLAMP FOR VERTICAL FLAT STEEL SURFACE**

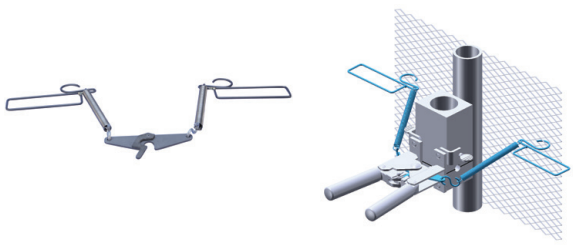


**FEATURES**

- Securely supports an Cadweld mold to a vertical “H” column or angle
- Easily attaches to an L160 or L159 handle clamp
- For use with type VF molds for up to 3/4” (19.1 mm) thick steel
- For use with type VB, VG, VN, and VS molds for up to 1” (25.4 mm) thick steel

Part Number		Handle Clamp
B134	161740	L160, Sold Separately
B135	161780	L159, Sold Separately

**FENCE FABRIC ATTACHMENT ASSEMBLY**

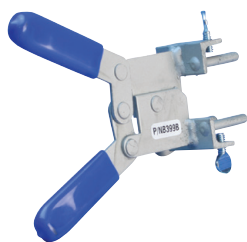


**FEATURES**

- Fastens to an L160 or L159 handle clamp
- Firmly holds the mold to the fence post after the fence fabric is in place
- Ideal for retrofit jobs

Part Number	Article Number	Connection Type
B827A	161635	VS, VF, VB, VV

## HANDLE CLAMP, MINI EZ

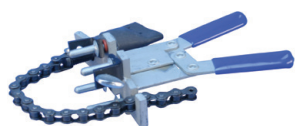


### FEATURES

- Mini EZ Handle Clamps are typically included with the mold
- See specific Cadweld mold or Cadweld kit requirements to determine the handle clamp requirements

Part Number	Article Number	Price Key
B399A		N, P, T
B399B		N, P, T
B399C		N, P, T
B399Q	161080	N, P, T
L161	161010	N, P, T

## HANDLE CLAMP, MINI EZ WITH CHAIN SUPPORT



### FEATURES

- Securely holds the Cadweld mold to a rod or rebar in a vertical position

Part Number	Article Number	Price Key	Connection Type
L161A	161090	P	GYP, GY35 Compact kit, RC35 and GY35 Maxikit

## HANDLE CLAMP, MINI EZ WITH SPRING CLAMP

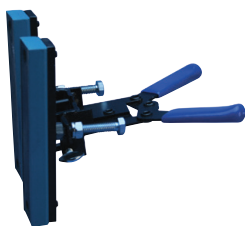


### FEATURES

- Mini EZ Handle Clamps with Spring Clamp are typically included with the mold
- Ideal for connections to ground rods and rebar
- See specific Cadweld mold or Cadweld kit requirements to determine the handle clamp requirements

Part Number	Price Key
B399AS	N, P, T
B399BS	N, P, T
B399CS	N, P, T
B399DS	N, P, T
B399ES	N, P, T

## HANDLE CLAMP, MINI EZ, MAGNETIC



### FEATURES

- Designed to securely hold an Cadweld mold to a large flat or slightly curved vertical steel surface
- Allows for simple placement of the Cadweld mold in the desired connection location
- See specific Cadweld mold or Cadweld kit requirements to determine the handle clamp requirements

Part Number	Article Number	Price Key	Mold Size
B399AM	161633	N, P, T	38.1 mm
B399BM	161634	N, P, T	51 mm

## CABLE CLAMP ASSEMBLY

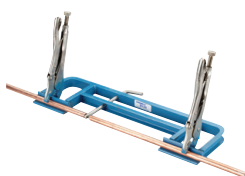


### FEATURES

- Designed for use with hard-drawn copper cable, copper-bonded conductors or any cable under tension
- Use of the clamp aids in preventing cable movement and prolongs mold life

Part Number	Article Number
B265	165020

## GROUND ROD CLAMPING TOOL

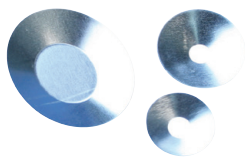


### FEATURES

- Must be used to provide the correct positioning of ground rods and mold while splicing the rods with Cadweld for HDGB and GB type connections

Part Number	Article Number
B120	161750

## DISK



### FEATURES

- Required each time a traditional Cadweld connection is made
- Placed at the bottom of the crucible, holding the welding material until the reaction takes place

Material: Steel

Part Number	Article Number	Welding Material	Diameter
B117A	141154	15 - 32, Sold Separately	19,1 mm
B117B	141156	45 - 115, Sold Separately	25,4 mm
B117C	141157	150 - 500, Sold Separately	38,1 mm

## DISK KIT

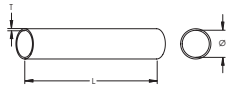


### FEATURES

- Contains three disk sizes for common Cadweld connection applications
- Convenience item for replacing lost or damaged disks

Part Number	Material
T328D	Steel

## CONDUCTOR SLEEVE



### FEATURES

- Used to adapt a limited range of smaller size cables to a larger size Cadweld Mold
- Provides strength and stability on finely-stranded copper conductors

Material: Copper

Finish: Tinned

Part Number	Article Number	Length	Thickness	Diameter
<b>Type: Chamfered</b>				
S01		25,400 mm	0,79 mm	14,2 mm
S07		25,400 mm	0,79 mm	17,0 mm
SBS09C		25,400 mm	0,79 mm	8,3 mm
SBS11C		20,638 mm	0,79 mm	5,4 mm
SBS12C		26,988 mm	0,79 mm	5,4 mm
SBS13C		38,100 mm	0,79 mm	5,4 mm
<b>Type: Flared</b>				
180380		25,000 mm	2,40 mm	5,3 mm
H102F	180390	26,000 mm	1,05 mm	4,3 mm
H106AF	180260	35,000 mm	1,00 mm	15,0 mm
H106F	180250	26,000 mm	1,00 mm	15,0 mm
H113F	180360	26,000 mm	1,00 mm	8,0 mm
H11F	180320	26,000 mm	1,00 mm	13,0 mm
PBS24F		38,100 mm	0,79 mm	20,2 mm
S01F		25,400 mm	0,79 mm	14,2 mm
S02F		25,400 mm	0,79 mm	15,5 mm
S03F		25,400 mm	0,79 mm	11,6 mm
S05F		25,400 mm	0,79 mm	9,9 mm
S06F		25,400 mm	0,79 mm	12,2 mm
S07F		25,400 mm	0,79 mm	17,0 mm
S09F		25,400 mm	0,79 mm	8,3 mm
S17F		25,400 mm	0,79 mm	8,7 mm
S20F		25,400 mm	0,79 mm	6,1 mm
S429F1C12		19,050 mm	0,38 mm	3,4 mm
S429F1F		9,525 mm	0,38 mm	4,3 mm
S429F1J		9,525 mm	0,38 mm	5,4 mm
S429F1N		11,113 mm	0,38 mm	6,8 mm
S429F1N12		19,050 mm	0,38 mm	6,8 mm
S429F1S		11,113 mm	0,38 mm	7,6 mm
S429F1W		11,113 mm	0,38 mm	8,5 mm
S429F1W12		19,050 mm	0,38 mm	8,5 mm
S429F2A		12,700 mm	0,38 mm	9,7 mm
S429F2A12		19,050 mm	0,38 mm	9,7 mm
S429F2E		12,700 mm	0,38 mm	10,9 mm
S429F2E16		25,400 mm	0,38 mm	10,9 mm
S429F2J		12,700 mm	0,51 mm	12,2 mm
S429F2J16		25,400 mm	0,51 mm	12,2 mm
S429F2N		14,288 mm	0,51 mm	13,7 mm
S429F2N16		25,400 mm	0,51 mm	13,7 mm
S429F2S		14,288 mm	0,51 mm	15,4 mm
S429F2S16		25,400 mm	0,51 mm	15,4 mm
S429F2W16		25,400 mm	0,51 mm	16,7 mm
S429F3B16		25,400 mm	0,51 mm	18,3 mm
S429F3F		17,463 mm	0,51 mm	19,8 mm
S429F3F16		25,400 mm	0,51 mm	19,8 mm
S429F3K16		25,400 mm	0,64 mm	21,1 mm
S429F3M12		19,050 mm	0,38 mm	6,1 mm

Part Number	Article Number	Length	Thickness	Diameter
S429F3N16		25,400 mm	0,64 mm	22,4 mm
S429F3S20		31,750 mm	0,64 mm	23,6 mm
S429F4C16		25,400 mm	0,51 mm	11,8 mm
S429F4K16		25,400 mm	0,51 mm	16,9 mm
S429F4M16		25,400 mm	0,51 mm	19,0 mm
S429F4N24		38,100 mm	0,89 mm	29,3 mm
S429F4P16		25,400 mm	0,51 mm	20,3 mm
S429F4T20		31,750 mm	0,64 mm	24,9 mm
S429F4X24		38,100 mm	0,89 mm	27,3 mm
S429F5A24		38,100 mm	0,89 mm	33,8 mm
S429F5B24		38,100 mm	0,89 mm	28,8 mm
S429F5E24		38,100 mm	0,89 mm	31,1 mm
S429F5F24		38,100 mm	0,89 mm	34,9 mm
S429FY922		34,925 mm	1,98 mm	21,2 mm
<b>Type: Straight</b>				
B112		26,988 mm	0,79 mm	5,4 mm
B1331H		25,400 mm	0,64 mm	2,7 mm
B1331K		25,400 mm	0,79 mm	3,6 mm
B1331L		25,400 mm	0,79 mm	4,3 mm
B1331V		25,400 mm	0,79 mm	6,1 mm
B1331Y		25,400 mm	0,79 mm	6,7 mm
B1332C		25,400 mm	0,79 mm	7,9 mm
B1332G		25,400 mm	0,79 mm	8,7 mm
B1332L		25,400 mm	0,79 mm	9,9 mm
B1332Q		25,400 mm	0,79 mm	10,9 mm
H101	180140	26,000 mm	1,00 mm	6,0 mm
H102	180170	25,000 mm	1,05 mm	4,3 mm
H103	180180	25,000 mm	1,20 mm	5,3 mm
H105	180230	23,500 mm	1,00 mm	3,0 mm
H117	180430	25,000 mm	1,00 mm	7,0 mm
S4291F		9,525 mm	0,38 mm	4,3 mm
S4291J		9,525 mm	0,38 mm	5,4 mm
S4291N12		19,050 mm	0,38 mm	6,8 mm
S4291W		11,113 mm	0,38 mm	8,5 mm
S4291W12		19,050 mm	0,38 mm	8,5 mm
S4292A		12,700 mm	0,38 mm	9,7 mm
S4292E		12,700 mm	0,38 mm	10,9 mm
S4292J		12,700 mm	0,51 mm	12,2 mm
S4292J16		25,400 mm	0,51 mm	12,2 mm
S4292N		14,288 mm	0,51 mm	13,7 mm
S4292S		14,288 mm	0,51 mm	15,4 mm
S4293F		17,463 mm	0,51 mm	19,8 mm
SBS10		25,400 mm	0,79 mm	4,3 mm

## SLEEVE KIT



### FEATURES

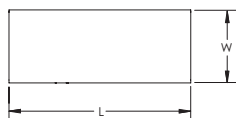
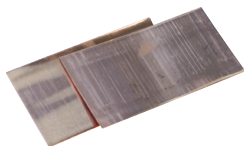
- Contains a variety of adapter sleeves that allow a buildup of smaller conductors to fit the opening of larger sized conductors in a Cadweld mold
- Includes shim stock for wrapping around a conductor, increasing the diameter to fit larger conductor openings in a Cadweld mold
- Contains extra disks for all sizes of traditional welding material
- Includes extra flints for Cadweld Flint Igniters

Part Number	Article Number	Standard Packaging Quantity	UPC
T427	162423	1 pc	78285638132

Kit Includes:

Part Number	Article Number	Description	Quantity
B112	–	Conductor Sleeve, Copper, Tinned, Straight, 27 mm x 0.79 mm, 5.4 mm dia	18
B117A	141154	Disk, 15-32 Welding Material, 19.1 mm dia	20
B117B	141156	Disk, 45-115 Welding Material, 25.4 mm dia	10
B117C	141157	Disk, 150-500 Welding Material, 38.1 mm dia	10
B1331H	–	Conductor Sleeve, Copper, Tinned, Straight, 25.4 mm x 0.64 mm, 2.7 mm dia	25
B1331L	–	Conductor Sleeve, Copper, Tinned, Straight, 25.4 mm x 0.79 mm, 4.3 mm dia	25
B1331V	–	Conductor Sleeve, Copper, Tinned, Straight, 25.4 mm x 0.79 mm, 6.1 mm dia	10
B1331Y	–	Conductor Sleeve, Copper, Tinned, Straight, 25.4 mm x 0.79 mm, 6.7 mm dia	10
B1332C	–	Conductor Sleeve, Copper, Tinned, Straight, 25.4 mm x 0.79 mm, 7.9 mm dia	9
B1332G	–	Conductor Sleeve, Copper, Tinned, Straight, 25.4 mm x 0.79 mm, 8.7 mm dia	10
B1332L	–	Conductor Sleeve, Copper, Tinned, Straight, 25.4 mm x 0.79 mm, 9.9 mm dia	8
B1332Q	–	Conductor Sleeve, Copper, Tinned, Straight, 25.4 mm x 0.79 mm, 10.9 mm dia	12
B140A	–	Copper Shim, 38.1 mm x 76.2 mm	10
T320A	165010	Replacement Flint	10

## COPPER SHIM



### FEATURES

- Wrapped around the cable until the diameter is about the same as the cable opening in the mold

Material: Copper

Part Number	Length	Width	Thickness
B140A	38,100 mm	76,200 mm	0,33 mm
B140B	63,500 mm	76,200 mm	0,33 mm
B140K	114,300 mm	38,100 mm	0,33 mm
B140L	139,700 mm	38,100 mm	0,33 mm
B140N	76,200 mm	38,100 mm	0,33 mm
B141A	38,100 mm	76,200 mm	0,33 mm
B141C	63,500 mm	76,200 mm	0,33 mm

## CADWELD REPLACEMENT PART KIT



### FEATURES

- Miscellaneous handle clamp and Cadweld connection accessories
- Kit includes: (1) disk container, (2) handle clamp thumb screws, (1) handle clamp clevis pin, (1) handle clamp hitch pin, (1) handle clamp adjustment screw, (10) replacement flints, (4) B140A copper shims, (5) B1331L tinned copper sleeves, and (5) B1332Q tinned copper sleeves

### Part Number

K158A

## BATTING/PACKING MATERIAL

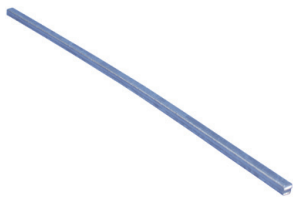


### FEATURES

- Preformed ceramic packing material
- Seals mold conductor openings
- Prevents welding material leakage
- See Cadweld mold requirements for specific batting part number

Part Number	Article Number
ACB4000H1	120740
ACC4005H2	
ACC4007H3	
ACC4035H8	
ACC4035H9	
ACC4061H1	
ACC4061H2	
ACC4061H3	
ACC4061H4	
ACC4062H1	
B142A	
B142B	
B143A	
B143B	
B144A	
B144B	
B144C	
B144D	
B144E	
B144M	159790
B144Q	159780
B145A	
B150G05	
B150G07	
B151008	
S2904A	185010
S2904B	185020
S2904C	185030

## GALVANIZING BAR



### FEATURES

- Used to repair a galvanized surface that has been damaged by welding or drilling
- Low-temperature self-fluxing material
- The bar may be melted using the heat produced after making a Cadweld connection, or a small torch may be used

Part Number	Article Number	Material
T319	162426	Zinc Alloy

## GALVANIZING SPRAY



### FEATURES

- Easy-to-use galvanizing paint in a spray can
- Used to touch up heat affected areas on galvanized steel surfaces after welding

Part Number	Unit Weight
T372A	453 g

Not available for air or sea shipments. Cadweld recommends local sourcing if required

## HAMMER DIE



### FEATURES

- Hardened steel die
- Used to form the end of a field-made bond
- Formed end designed to fit specific Cadweld mold

Material: Steel

Part Number	Conductor Size	nVent ERICO Sleeve
<b>Type: Grounding</b>		
JD01	4/0 Concentric	S01F
JD02	4/0 Ropelay	S02F
JD03	2/0 Concentric	S03F
JD05	1/0 Concentric	S05F
JD06	2/0 Ropelay	S06F
JD07	250 kcmil Ropelay	S07F
JD09	#2 Concentric	S09F
JD11	#4 Concentric	S20F
<b>Type: Power</b>		
PBWD102	120 mm <sup>2</sup> Concentric	H106F
PBWD104	145 mm <sup>2</sup> Concentric	S429F3N16
PBWD106	240 mm <sup>2</sup> Concentric	S429FY922
PBWD99	240 mm <sup>2</sup> Ropelay	S429F3N16
WD105	240 mm <sup>2</sup> Concentric	S429FY922
WD79	500 kcmil Ropelay	S429F3S20
WD80	1/0 Concentric	S05F
WD82	95 mm <sup>2</sup> Concentric, 4/0 Concentric	S01F
WD83	4/0 Ropelay	S02F
WD84	2/0 Concentric, 1/0 Ropelay	S03F
WD85	2/0 Ropelay	S06F
WD87	150 mm <sup>2</sup> Ropelay	S24F
WD88	4/0 Welding cable	S429F3N16
WD94	35 mm <sup>2</sup> Concentric	S17F
<b>Type: Signal</b>		
SBD50	3/16" Bondstrand	SBS12C
SBD51	5/16" Bondstrand	SBS09C
SBD55	35 mm <sup>2</sup> Concentric	S17F

## MOLD SEALER



### FEATURES

- Ideal for sealing hot or cold molds to retard leakage from large stranded conductors
- Prolongs useful mold life when the cable opening becomes worn
- Required on certain Cadweld molds such as Types HA, HB, HC, VG and VN

Part Number	Article Number	Unit Weight
T403	165280	0,907 kg

## CADWELD PLUS CONTROL UNIT



### FEATURES

- Battery-powered controller box designed for 600 connections with one set of batteries
- Requires no special batteries or charger
- Comes standard with high temperature lead
- Connects to the welding material ignition strip with a custom made, purpose-designed termination clip
- Sends a predetermined voltage to the ignition strip and initiates the reaction
- The PBPLUSCU control unit electronic ignitor is primarily designed for ignition of Cadweld Plus Welding Material, F80
- PBPLUSCU meets AREMA® C&S Manual Recommendations; Part 8.1.34, 2013



Part Number	Article Number	Cable Length	Batteries	Working Temperature	Certifications
<b>Type: Controller Box with Leads</b>					
PBPLUSCU		1,8 m	8 Lithium AA Batteries	-40 to 60 °C	CE, cURus, NOM
PLUSCU	165738	1,8 m	8 Standard AA Batteries	-18 to 55 °C	cURus, NOM
PLUSCU15L	165745	4,6 m	8 Standard AA Batteries	-18 to 55 °C	cURus
<b>Type: Replacement Leads Only</b>					
PLUSCULDQC		1,8 m			
PLUSCULD15QC		4,6 m			

All Cadweld Plus connections on rail properties must be installed using Cadweld Plus Welding Material, F80.

## FLINT IGNITOR



### FEATURES

- Used to ignite the starting material when making a traditional Cadweld connection or a nVent ERICO Cadweld rebar connection

Part Number	Article Number
T320	165000

**REPLACEMENT FLINT**



**FEATURES**

- Replacement flints for T320 Flint Ignitor

Part Number	Article Number	Standard Packaging Quantity
T320A	165010	10 pc

**FLINT IGNITOR EXTENSION**



**FEATURES**

- Attaches to T320 Flint Ignitor and allows the installer to be approximately 30" (762 mm) away from the mold
- Ideal for applications such as making a mold in a narrow trench while the installer is at ground level

Part Number	Article Number
B32130	162429

**BATTERY PACK**



**FEATURES**

- Battery, charger, and carrying case required for the ignition of Cadweld Exolon welding material
- Battery operates approximately 200 connections before requiring a recharge
- Charger, all electrical connections and instructions are included in the battery case

Part Number
XLB971A1

## TORCH HEAD



### FEATURES

- Self-igniting propane torch head
- Squeezing the control knob produces an instant flame; releasing it extinguishes the flame
- No flame adjusting
- Burn tip remains cool during normal use
- Operates on its side or upside down
- Can withstand 60 MPH (96 KPH) winds without flareout
- Fits all standard 14.1 and 16.4 ounce (400 and 465 gram) propane cylinders

Part Number	Article Number
T111	165170

## CARD CLOTH BRUSH



### FEATURES

- Aids in removing oxides from conductor surfaces
- Made of short, stiff bristles
- Generally preferred for cleaning concentric conductors and busbars which are not heavily oxidized

Part Number	Article Number
T313	165040

## WIRE BRUSH



### FEATURES

- Aids in removing oxides from conductor surfaces
- Useful for cleaning coarse or very dirty conductors

Part Number	Article Number	Product
T314	165130	Brush with Replaceable Brush Heads
T314A	165270	Replacement Brush Heads
T336		Standard Brush

## MOLD CLEANING BRUSH



### FEATURES

- Ideal for cleaning Cadweld molds
- Soft bristles minimize wear of graphite during the cleaning process
- Removes slag and particles from mold cavity, tap hole, crucible and cover

Part Number	Article Number	Type
T302A	165260	Wide
T394	162427	Narrow

## MOLD CLEANER



### FEATURES

- Used to remove the slag from the crucible area of the mold after making a Cadweld connection

Part Number	Article Number	Mold Type
B136A	182125	Most Cadweld molds using #65 welding material and smaller
B136B	182130	Most Cadweld molds using #90 welding material and larger
B136D		Most Cadweld rail bond molds
B136E		Specific Cadweld molds only (See mold requirements to determine need)
B136F	182135	Specific Cadweld molds only (See mold requirements to determine need)

## RASP



### FEATURES

- Used to remove rust from steel surfaces or to remove galvanizing from hot dipped galvanized steel to expose the bare steel for welding
- Curved blade makes it an efficient tool for flat surfaces

Part Number	Article Number	Product
T321	162630	Rasp
T321A	162430	Replacement Blade

## CANVAS GLOVE WITH LEATHER PALM



### FEATURES

- Heavy canvas gloves with leather palms

Part Number	Article Number
T378L	162422

As with all tasks, it is recommended that users consider safety first when making Cadweld connections and wear appropriate safety equipment.

## SAFETY GLASSES



### FEATURES

- Provides protection against moderate impact hazards
- May be worn separately or over prescription glasses

Material: Polycarbonate

Part Number
T393

As with all tasks, it is recommended that users consider safety first when making Cadweld connections and wear appropriate safety equipment.

## DISK CONTAINER



### FEATURES

- Metal container for holding disks and small Cadweld accessories

Part Number	Article Number	Diameter	Height
T328	162428	76,2 mm	25,4 mm

## CADWELD TOOL KIT



### FEATURES

- Convenient tool kits for Cadweld connection installations

Part Number	Article Number	Description	Quantity
<b>T315</b>			<b>Standard Kit</b>
B136A		Mold Cleaner, Most Cadweld molds using #65 welding material and smaller	1
T304	162433	Pliers	1
T305	162434	Screwdriver, Flat Head	1
T313	165040	Card Cloth Brush	1
T320	165000	Flint Ignitor	1
T328	162428	Disk Container	1
T329	162432	File	1
T396	162436	Tool Box	1
<b>T315A</b>			<b>Complete Kit</b>
B136A		Mold Cleaner, Most Cadweld molds using #65 welding material and smaller	1
T304	162433	Pliers	1
T305	162434	Screwdriver, Flat Head	1
T313		Card Cloth Brush	1
T314	165040	Wire Brush, Brush with Replaceable Brush Heads	1
T320	165000	Flint Ignitor	1
T321	162630	Rasp	1
T328D		Disk Kit	1
T329	162432	File	1
T378L		Canvas Glove with Leather Palm	1
T393	162421	Safety Glasses	1
T394	162427	Mold Cleaning Brush, Narrow	1
T396	162436	Tool Box	1
<b>T343</b>			<b>Heavy-Duty Kit</b>
T305	162434	Screwdriver, Flat Head	1
T313	165040	Card Cloth Brush	1
T320	165000	Flint Ignitor	1
T328	162428	Disk Container	1
T329	162432	File	1
T335		Linesman's Pliers	1
T336		Wire Brush, Standard Brush	1
T396		Tool Box	1
<b>T343R</b>			<b>Heavy-Duty Kit with Rasp</b>
T305	162434	Screwdriver, Flat Head	1
T313		Card Cloth Brush	1
T320	165000	Flint Ignitor	1
T321	162630	Rasp	1
T328	162428	Disk Container	1
T329	162432	File	1
T335		Linesman's Pliers	1
T336		Wire Brush, Standard Brush	1
T396	162436	Tool Box	1

## TOOL BOX



### FEATURES

- Metal box with removable tote tray
- Recommended for carrying tools, molds, welding material and propane torch used to make Cadweld connections

Part Number	Length	Width	Height
T396	482,6 mm	177,8 mm	190,5 mm

## TOOL TRAY



### FEATURES

- Ideal for carrying one or two molds, welding material, propane torch and tools

Part Number
T331

## FLEXIBLE JUMPER FOR FENCE AND GATE GROUNDING



### FEATURES

- Used to bond gates, switch operating handles and any other item where movement or vibration requires a flexible grounding jumper
- Multi-stranded insulated ropelay conductor provides flexibility and strand protection
- Swaged ends of jumper allow larger conductor to fit in the same mold as concentric conductor
- Connections are made with Cadweld exothermic connections using the same mold required for other fence post connections

Material: Copper, Polyethylene Rubber

Part Number	Cable Code	Conductor Size	Cable Length
FJ1T18	1T	#2 Solid	457 mm
FJ1T24	1T	#2 Solid	610 mm
FJ1T42	1T	#2 Solid	1.067 m
FJ1T96	1T	#2 Solid	2.438 m
FJ1T240	1T	#2 Solid	6.096 m
FJ2G12	2G	2/0 Stranded	305 mm
FJ2G16	2G	2/0 Stranded	406 mm
FJ2G18	2G	2/0 Stranded	457 mm
FJ2G24	2G	2/0 Stranded	610 mm
FJ2G30	2G	2/0 Stranded	762 mm
FJ2G36	2G	2/0 Stranded	914 mm
FJ2G72	2G	2/0 Stranded	1.829 m
FJ2G84	2G	2/0 Stranded	2.134 m
FJ2G96	2G	2/0 Stranded	2.438 m
FJ2G120	2G	2/0 Stranded	3.048 m
FJ2G132	2G	2/0 Stranded	3.353 m
FJ2G144	2G	2/0 Stranded	3.658 m
FJ2G168	2G	2/0 Stranded	4.267 m
FJ2G180	2G	2/0 Stranded	4.572 m
FJ2G228	2G	2/0 Stranded	5.791 m
FJ2G360	2G	2/0 Stranded	9.144 m
FJ2Q16	2Q	4/0 Stranded	406 mm
FJ2Q18	2Q	4/0 Stranded	457 mm
FJ2Q24	2Q	4/0 Stranded	610 mm
FJ2QA24	2Q	4/0 Stranded	610 mm
FJ2Q36	2Q	4/0 Stranded	914 mm
FJ2Q48	2Q	4/0 Stranded	1.219 m
FJ2Q120	2Q	4/0 Stranded	3.048 m
FJ2Q156	2Q	4/0 Stranded	3.962 m
FJ2Q168	2Q	4/0 Stranded	4.267 m
FJ2Q180	2Q	4/0 Stranded	4.572 m
FJ2Q216	2Q	4/0 Stranded	5.486 m
FJ2Q240	2Q	4/0 Stranded	6.096 m
FJ2Q252	2Q	4/0 Stranded	6.401 m
FJ2Q384	2Q	4/0 Stranded	9.754 m
FJ2Q600	2Q	4/0 Stranded	15.240 m

## WELDING TRAY



### FEATURES

- Recommended when using Cadweld overhead or over expensive equipment
- Designed to contain a potential spill of molten weld metal

Part Number	Height	Length	Width
XLB974B2	82,55 mm	336,55 mm	177,8 mm

## CERAMIC BLANKET



### FEATURES

- Woven ceramic blanket that can be used to hold a hot mold or keep the work surface free of slag when cleaning the mold

Part Number	Article Number
T306	162431

# Technical Charts

## CONCENTRIC STRANDED CONDUCTOR SIZES

Size (AWG/MCM/mm <sup>2</sup> )	Circular Mils	Stranding	Nominal O.D. of Strand	Approx. O.D. (inches)	Approx. O.D. (mm)	Weight (lbs/mft)	Cadweld Cable Code
8 AWG	16,510	Solid	–	0.1285	3.26	50.0	1D
8 AWG	16,510	7/.0486"	0.0486	0.1460	3.71	50.1	1E
6 AWG	26,240	Solid	–	0.1620	4.11	79.5	1G
6 AWG	26,240	7/.0612"	0.0612	0.1840	4.67	81.1	1H
16 mm <sup>2</sup>	31,600	7/1.17	0.0461	0.2010	5.11	96.1	W3
4 AWG	41,740	Solid	–	0.2043	5.19	126.3	1K
4 AWG	41,740	7/.0772"	0.0772	0.2320	5.89	129.0	1L
4 AWG	41,740	19/.0469"	0.0469	0.2350	5.97	129.0	1L
25 mm <sup>2</sup>	49,300	7/2.14 mm	0.0843	0.2530	6.43	152.5	Y1
25 mm <sup>2</sup>	49,300	19/1.35	0.0531	0.2660	6.76	152.5	Y1
2 AWG	66,360	Solid	–	0.2576	6.54	200.9	1T
2 AWG	66,360	7/.0974"	0.0974	0.2920	7.42	204.9	1V
2 AWG	66,360	19/.0591"	0.0591	0.2920	7.42	205.0	1V
35 mm <sup>2</sup>	66,360	19/1.53 mm	0.0602	0.3010	7.65	211.0	Y2
50 mm <sup>2</sup>	98,500	19/1.78 mm	0.0701	0.3500	8.89	287.6	Y3
1/0 AWG	105,600	Solid	–	0.3249	8.25	319.5	2B
1/0 AWG	105,600	7/.1228"	0.1228	0.3690	9.37	326.0	2C
1/0 AWG	105,600	19/.0745"	0.0745	0.3730	9.47	326.0	2C
2/0 AWG	133,100	Solid	–	0.3648	9.27	402.8	2F
2/0 AWG	133,100	7/.1379"	0.1379	0.4140	10.52	410.9	2G
2/0 AWG	133,100	19/.0837"	0.0837	0.4190	10.64	410.9	2G
70 mm <sup>2</sup>	138,000	19/2.14 mm	0.0843	0.4210	10.69	415.3	Y4
3/0 AWG	167,800	Solid	–	0.4096	10.40	507.8	2K
3/0 AWG	167,800	7/.1548"	0.1548	0.4650	11.81	518.0	2L
3/0 AWG	167,800	19/.0940"	0.0940	0.4700	11.94	518.0	2L
95 mm <sup>2</sup>	187,000	37/1.78 mm	0.0700	0.4910	12.47	576.5	Y5
95 mm <sup>2</sup>	187,000	19/2.52	0.0992	0.4960	12.60	576.5	Y5
4/0 AWG	211,600	Solid	–	0.4600	11.68	610.5	2P
4/0 AWG	211,600	7/.1739"	0.1739	0.5220	13.26	653.0	2Q
4/0 AWG	211,600	19/.1055"	0.1055	0.5280	13.41	653.0	2Q
120 mm <sup>2</sup>	237,000	37/2.03 mm	0.0799	0.5600	14.22	737.1	Y6
250 MCM	250,000	19/.1147"	0.1147	0.5750	14.61	771.0	2V
250 MCM	250,000	37/.0822"	0.0822	0.5750	14.61	771.0	2V
150 mm <sup>2</sup>	296,000	37/2.25 mm	0.0886	0.6200	15.75	896.4	Y7
300 MCM	300,000	19/.1257"	0.1257	0.6290	15.98	926.9	3A
300 MCM	300,000	37/.0900"	0.0900	0.6290	15.98	926.9	3A
185 mm <sup>2</sup>	365,000	27/2.52 mm	0.0992	0.6950	17.65	1124.1	Y8
400 MCM	400,000	37/.1040	0.1040	0.7200	18.29	1235.2	3H
240 mm <sup>2</sup>	474,000	61/2.25 mm	0.0886	0.7970	20.24	1478.2	Y9
500 MCM	500,000	19/.1622"	0.1622	0.8130	20.65	1544.0	3Q
500 MCM	500,000	37/.1162"	0.1162	0.8130	20.65	1544.0	3Q
750 MCM	750,000	61/.1109"	0.1109	0.9980	25.35	2316.0	4L
500 mm <sup>2</sup>	987,000	61/3.20 mm	0.1260	1.1340	28.80	2990.8	W1
1000 MCM	1,000,000	61/.1280"	0.1280	1.1520	29.26	3088.0	4Y

## DSA COPPER-CLAD CONDUCTOR

Cable Stranding	Nominal Diameter	kcmil	Equivalent Copper Size*	Cadweld Cable Code
7/#10	.306	72.7	3 AWG	9A
7/#8	.385	115.6	1	9B
7/#7	.433	145.7	1/0	9C
7/#6	.486	183.8	2/0	9D
7/#5	.546	231.7	3/0	9E
19/#9	.572	248.8	3/0	9F
7/#4	.613	292.2	4/0	9L
19/#8	.642	313.7	4/0	9G
19/#7	.721	395.5	250 Kcmil	9H
37/#9	.801	484.4	300	7W
19/#6	.810	498.8	350	9J
37/#8	.899	610.9	400	7V
19/#5	.910	628.9	450	9K
37/#7	1.010	770.3	500	9M

\*Approximate based on fusing current calculations

## RECTANGULAR COPPER BUSBAR

Thickness (inches)	Width (inches)	Circular Mil Size	Weight (lbs per foot)	Cadweld Busbar Code
1/8	1	159,200	.484	CE
	1-1/2	238,700	.726	CG
	2	318,300	.969	CH
3/16	1	238,700	.727	DE
	2	477,500	1.45	DH
	1	318,300	.969	EE
	1-1/2	477,500	1.45	EG
1/4	2	636,600	1.94	EH
	3	954,900	2.91	EK
	4	1,273,000	3.88	EM
	1	477,500	1.45	GE
	1-1/2	716,200	2.18	GG
3/8	2	954,900	2.91	GH
	3	1,432,000	4.36	GK
	4	1,910,000	5.81	GM
	2	1,273,000	3.88	JH
1/2	3	1,910,000	5.81	JK
	4	2,546,000	7.75	JM

## GROUND RODS

Nominal Size	Material	Type	Thread Size	Body Dia.	Cadweld Ground Rod Code
1/2"	Copper-bonded	Threaded	9/16"	.505	14
	Steel*	Plain		.500	14
	Copper-bonded	Plain		.475	15
	Copper-bonded	Threaded	1/2"	.447	13
	Copper-bonded	Threaded	5/8"	.563	16
Steel*	Plain	.625		31	
Copper-bonded	Plain	.563		16	
3/4"	Copper-bonded	Threaded	3/4"	.682	18
	Steel*	Plain		.750	33
	Copper-bonded	Plain		.682	18
	Copper-bonded	Threaded	1"	.914	22
Steel*	Plain	1.000		37	
1"	Copper-bonded	Plain	1"	.914	22

\*Plain steel, stainless steel, stainless clad rods or galvanized steel.

## REINFORCING BARS

Nominal Dimensions				
Rebar Sizes	Dia. (inches)	Cross-Sectional Area (Sq. inches)	Equivalent Copper Sizes*	Cadweld Rebar Code
3	.375	.11	9 AWG	51
4	.500	.20	7	52
5	.625	.31	5	53
6	.750	.44	3	54
7	.875	.60	2	55
8	1.000	.79	1	56
9	1.128	1.00	1/0	57
10	1.270	1.27	2/0	58
11	1.410	1.56	3/0	59
14	1.693	2.25	250 kcmil	60
18	2.257	4.00	450	61

\* Based on 8% IACS, rounded to the next higher commercial copper size.

### Useful Conversions

#### Area

Square Inches x 1273 = kcmil  
 Square Millimeters x 1.974 = kcmil  
 kcmil x 0.5067 = Square Millimeters

#### Density

Copper: 0.323 lb/in<sup>3</sup>  
 Steel: 0.283 lb/in<sup>3</sup>

**STEEL PIPE SIZES**

Standard Weight                      ASTM® A53-90-B  
 (Schedule 40)                            ANSI/ASME® B36.10M-1985

Nominal Size (inches)	O.D. (inches)	OD (mm)	Wall Thickness (inches)	Cadweld Mold Code
1	1.315	33.4	.133	1
1-1/4	1.660	42.1	.140	1.25
1-1/2	1.900	48.2	.145	1.50
2	2.375	60.3	.154	2
2-1/2	2.875	73.0	.203	2.50
3	3.500	88.9	.216	3
3-1/2	4.000	101.6	.226	3.50
4	4.500	114.3	.237	4
5	5.563	141.3	.258	5
6	6.625	168.2	.280	6
8	8.625	219.0	.322	8
10	10.750	273.0	.365	10

**OTHER STANDARD SECTIONS USED FOR FENCE POSTS**

\*For D or F mold price only.

Section	Cadweld Mold Code
1-1/2" square	PS15
2" square	PS20
2-1/2" square	PS25
3" square	PS30*
1.875 x 1.625 x .133 "H"	PH1
2.25 x 1.95 .143 "H"	PH2

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