

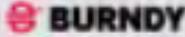
thermOweld

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THE
CONTRACTORS
CHOICE!

thermOweld®

47 East Industrial Park Drive
Manchester, NH 03103
1-800-527-5219



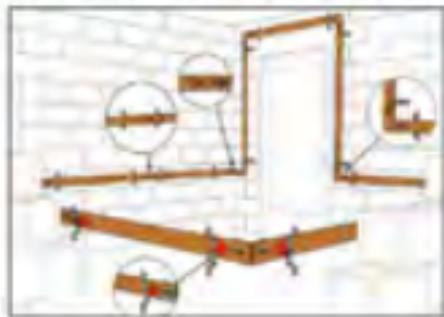
Spotlight Products from thermOweld®

To learn more, go
to Grounding —
Section 8

Fence Gate Assemblies Exothermically Welded or Compression Lugs



Standard Ground Bus Bars and Perimeter Bus Bar System



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Improved Access Wells

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Due to our continuous improvement efforts, all thermOweld® products and specifications are subject to change without notice.
NOTE: thermOweld, EZ Lite, EZ Lite Remote, Contact GM, SDS, and Ci thermOcap are registered trademarks of Continental Industries.

Tools to help you be successful with thermOweld®

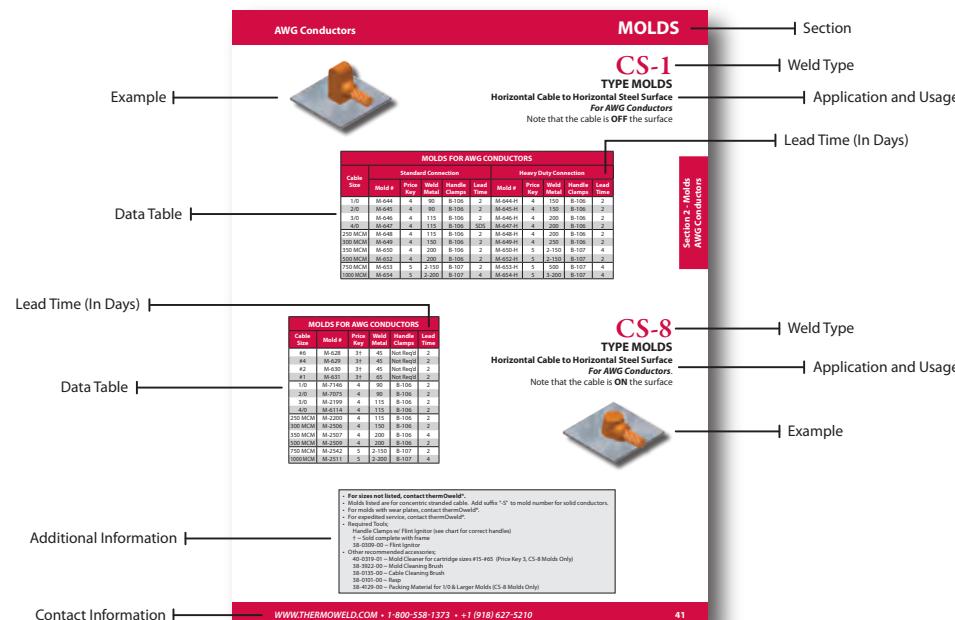
Here is your new thermOweld® Master Catalog, our largest-ever reference source for the world's premier line of exothermic grounding products! We are constantly developing new products and you can expect more from thermOweld® in the near future, as we strive to provide you with the best and easiest-to-apply exothermic grounding products in the industry.

Today, we provide superior quality thermOweld® products in more than 55 countries worldwide with the industry's shortest lead times, highest on-time delivery and industry-leading Same Day Service. thermOweld® is part of Continental Industries (A Division of Hubbell Inc.), located in Tulsa, Oklahoma, USA. Our company is ISO 9001 Certified with over 60 years of continuous success.

We love hearing from our customers and welcome your comments and suggestions to help us support you better. Contact us by calling us at 800-558-1373 in North America or 918-627-5210 International. We are honored to be called **The Contractor's Choice!**

To our customers of many years, we appreciate your loyalty and for honoring us with your business. Without you, we would not be the successful company thermOweld® is today. If you are new with us, we will work hard to welcome you and trust that you will enjoy the thermOweld® difference in products, service and people.

From all the good people of thermOweld®, we thank you for specifying, buying and installing with us!



How to use our Website

Our website has been designed with our customers in mind. Like our catalog, it is arranged to make it easier to find the products you need. Please refer to the diagram for a brief tutorial. You can scan this QR-Code with your smart phone to be directed to our website.



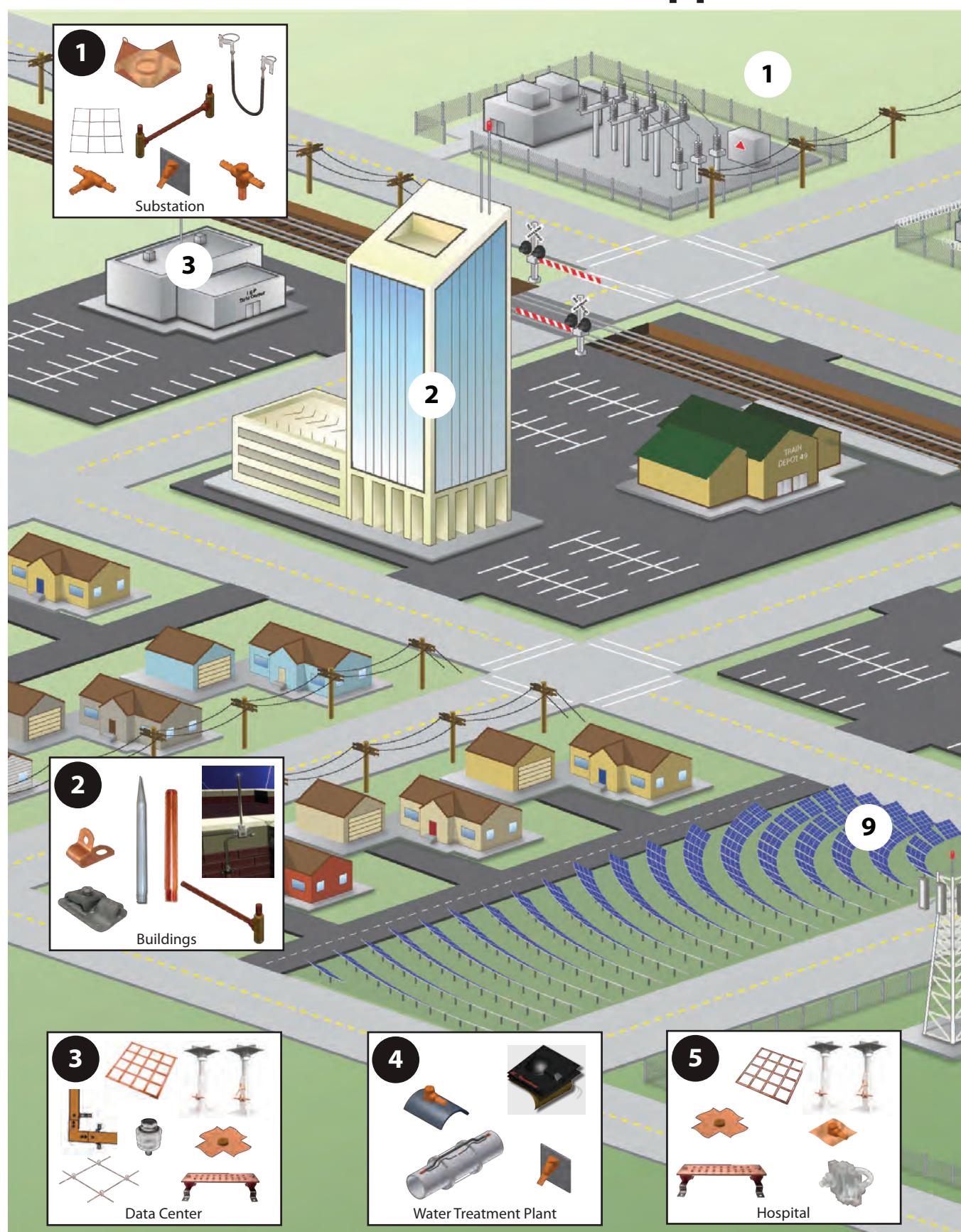
Section 1

Technical Information

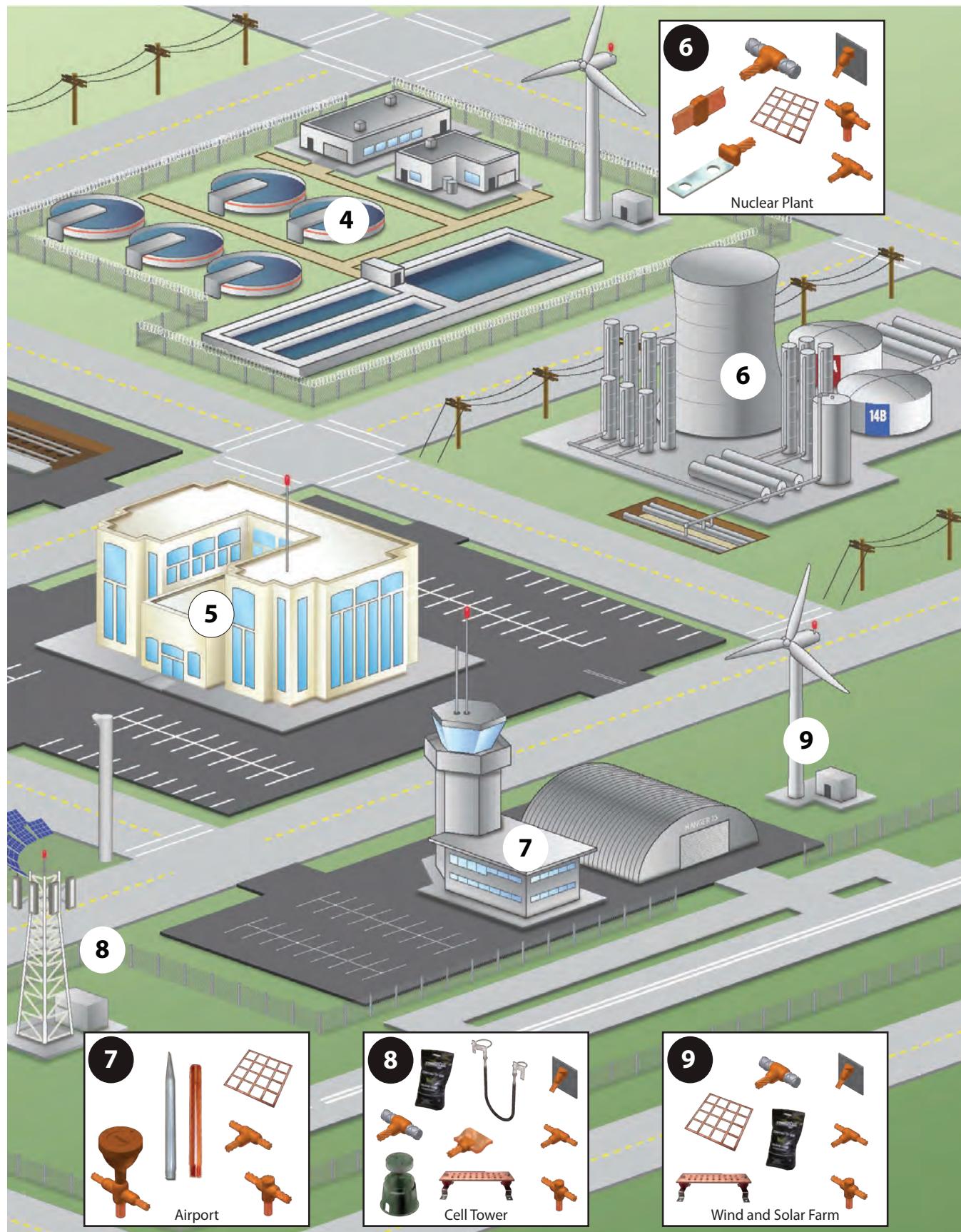
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TECHNICAL INFORMATION

thermOweld® Infrastructure Applications



thermOweld® Infrastructure Applications



TECHNICAL INFORMATION

The thermOweld® Process

The thermOweld® permanent-connection process has been engineered to be an easy and efficient field welding system. No outside power, bulky gas tanks or other equipment associated with welding are required with the thermOweld® system. Any field installer or contractor can use our high-grade graphite molds designed and produced in thermOweld's world-class volume CNC manufacturing operations.

Incorporating our EZ Lite® mold lid, ignition is done safely from the top of the mold with limited exhaust emanating from the side vent. This innovation from thermOweld®, combined with other unique features, make even tight field installations possible. For indoor connections where desired, thermOweld® offers low-emissions molds as well. Contractors worldwide demand thermOweld® for ease of use and the safest operation.

Using thermOweld's superior weld metal, a high-temperature reaction between special formulations of copper oxide and aluminum occurs in the mold crucible. Upon reaching critical temperature, the resulting molten copper drops into the weld cavity, instantly creating a high-temperature molecular bond with the conductor. This weld connection cools rapidly and the mold can be removed for the next connection with thermOweld's special off-set handle clamps. The thermOweld® process creates a superior connection without the excessive applied heat of brazing, arc welding or soldering. This is important especially for welding insulated cables or to thin-wall pipe.

The thermOweld® process creates a permanent, homogenous and molecular bond that cannot loosen or corrode. Compared to compression connectors, split bolts, crimp connectors, brazing and other connections, the thermOweld® connection is clearly superior. In fact, a thermOweld® connection will also withstand more current than the conductor itself.

It's easy to see why thermOweld® is The Contractor's Choice worldwide!

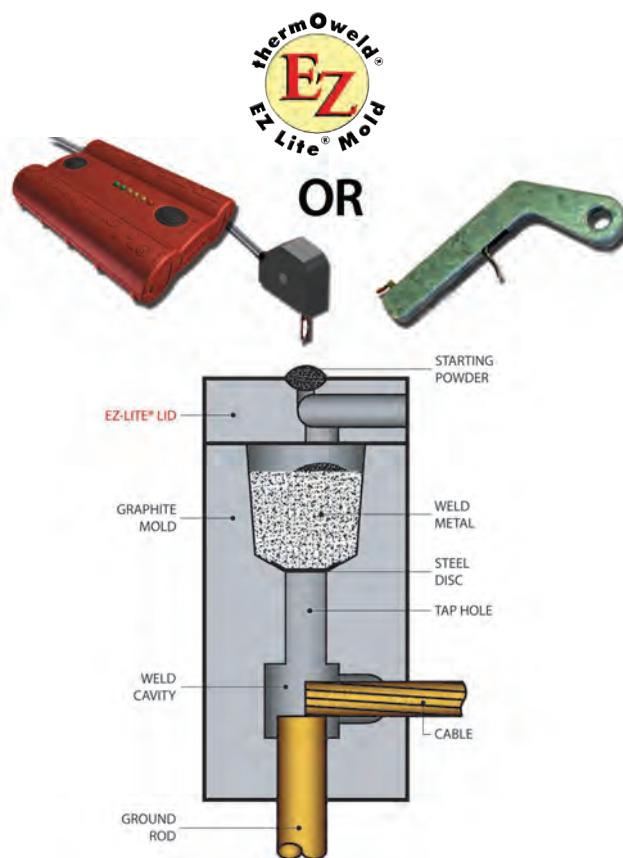
The thermOweld® process has been used to weld materials other than copper for electrical purposes, including:

Stainless Steel	Galvanized Steel*	Columbium	Kama	Brass	Chromax
Copperweld®	Silicon Bronze	Plain Steel	Steel Rail	Bronze	Cast Iron
Nichrome V	Copper-Clad Steel	Everdur®	Cor-Ten®	Niobium	Monel

*When welding to galvanized steel it is recommended to resurface exposed bare steel.

Standards Relating to thermOweld Designs of Earthing, Grounding and Lightning Protection

Standards	Country	Description
IEEE: 80-1986	USA, Australia, Asia, Europe, Latin America	Guide for Safety in AC Substation Grounding
IEEE: 837	USA, Australia, Asia, Latin America	Standard for Qualifying Permanent Connections used in Substation Grounding
IEEE: 81-1983	USA, Australia, Asia	Guide for Measuring Earth Resistivity, Ground Impedance and Earth Surface Potential of a Ground System
IEEE: 998-1996	USA, Australia, Asia	Guide for Direct Lightning Strike Shielding of Substations
UL-96	USA	Lightning Protection Components
UL 467	USA, Australia, Asia	Grounding and Bonding Equipment
NFPA 780	USA, Australia, Asia	Lightning Protection
NEC-250	USA, Canada	Grounding and Bonding National Electrical Code
TIA-607-B -2	Global	Telecom Grounding Bars and Products
IEC/TS 60479-1	Europe, Brazil	Effects of Current passing through human beings & livestock
EN62305-3: 2011	Europe	Protection against Lightning, Physical damage to structure and life hazard
ANCE NMX-J-549-2005	Latin America	Lightning Protection



WHY IS GOOD GROUNDING IMPORTANT?

Good grounding (earthing) starts with a robust, durable, low-resistance connection between the earth and electrical equipment or electrical circuit ground. This necessary low-resistance connection insures the proper ground path for personnel safety and the proper functioning of electrical and electronic devices. Whether to present a good reference ground, direct a faulty circuit's potential to ground, or to dissipate an electrical surge or lightning strike, a uniform ground with the earth is essential in today's infrastructure.

Many factors, including soil resistivity, installation accessibility, layout and surrounding physical features must be taken into consideration when establishing a superior grounding system. On this page we highlight some key areas to consider in your grounding system and remind you that all electrical systems must be built in accordance with applicable codes and standards for your area.

GROUNDING PRINCIPLES

Low impedance is the key. All grounding connections should be as short and direct as possible to minimize inductance and reduce peak voltages induced in the connections. The ground electrode system must efficiently couple the ground by maximizing capacitive coupling to the soil. The resistance of the ground itself must also be minimized.

GROUND IMPEDANCE

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

SHORT, DIRECT GROUND CONNECTIONS

The voltage generated, especially by a lightning surge depends primarily on the rise time of the surge 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.

COUPLING FROM THE ELECTRODE SYSTEM TO THE GROUND

The efficiency of a ground electrode system is dependent on a number of factors, including the geometry of the ground electrode system, the shape of the conductors and the effective coupling into the soil.

CHARACTERISTICS OF A GOOD GROUNDING SYSTEM

- Good electrical conductivity
- Conductors capable of withstanding high fault currents
- Long life - at least 40 years
- Low ground resistance and impedance

The basic philosophy of any grounding installation should be an attempt to maximize the surface area of electrodes or conductors with the surrounding soil. Not only does this help to lower the earth resistance of the grounding system, but it also greatly improves the impedance of the grounding system under lightning surge conditions.

- Equipotential bonding

Equipotential bonding helps ensure that hazardous potential differences do not occur between different incoming conductors such as metallic water services, power systems, telecommunications systems and the local ground, and also minimizes step and touch potentials.

- Good corrosion resistance

The ground electrode system should be corrosion resistant, and compatible with other conductors that are buried and bonded to the ground system. Copper is by far the most common material used for grounding conductors. In general, some form of maintenance or inspection procedure should be adopted to ensure the long-term effectiveness of a grounding system.

- Electrically and mechanically robust and reliable

Mechanical coupling can be used to join ground conductors, but suffers from corrosion effects when dissimilar metals are involved. As well as mechanical strength, thermOweld® connections provide excellent low impedance, long life electrical connections with excellent corrosion resistance.

TECHNICAL INFORMATION

thermOweld® EXOTHERMIC MOLDS

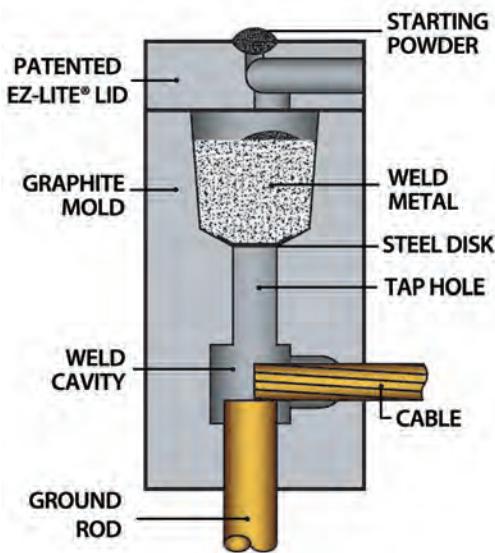
thermOweld® is a process of welding copper to copper, copper to steel and copper to ductile iron. The exothermic reaction takes place in a semi-permanent graphite mold with a special formula of copper oxide and aluminum.

thermOweld® connections are solid copper molecular bonds that do not loosen or corrode throughout the life of the host structure. These bonds are the superior connection method for the most reliable and highest longevity of grounding, lightning protection, cathodic protection and other critical infrastructure systems.

Standard Molds – thermOweld® standard molds are given in the tables on the pages in this catalog and are used with new clean AWG and Metric wire and cable. A standard mold is not for use in "heavy-duty" applications; see Heavy Duty Molds.

Heavy Duty Molds – thermOweld® heavy-duty molds are given in the tables on the pages in this catalog (with an H suffix) and are employed for use with reused or reclaimed and heavily oxidized AWG and Metric wire and cable. In these cases a "heavy-duty" mold is recommended as it accepts this larger wire diameter and utilizes a larger weld metal cartridge size. The resulting connection is larger than a standard mold connection. Note that the grounding engineer may determine that the calculated theoretical ground fault current level may be abnormally high and therefore would prefer the larger mass of a heavy-duty mold connection.

thermOweld® has designed and produced over 15,000 unique molds to meet application needs worldwide. We have solved many applications with unique and customized molds, utilizing our CAD engineering and specialized CNC machining capabilities. If you don't see what you need in this comprehensive catalog, contact us. We are ready to support you quickly!



SUPERIOR WELD METAL

thermOweld® weld metal is packaged in moisture resistant plastic cartridges that have tight fitting caps. These cartridges and the necessary steel discs are then packaged in boxes that are shrink wrapped. Shrink wrapping ensures the weld metal will arrive in good condition, always dry, and ready for a positive ignition every time.

All weld metal is eligible for thermOweld's SDS (Same Day Service) shipment. Our SDS program is just like having it on your shelf.



GROUNDING & LIGHTNING PROTECTION PRODUCTS

Regardless of the requirements, thermOweld® provides a long list of products for your grounding needs. thermOweld® has the quickest lead-time in the industry. You may be surprised by what you find in this catalog to solve your grounding needs!



thermOweld® LOW EMISSIONS SYSTEM

thermOweld®'s Low Emission System reduces the emissions given off by our standard flint ignitor welding system. Our EZ Lite Remote® Electric Ignition System is another alternative to reduce exposure.

This system is designed with a special mold that utilizes a graphite felt filter (included in the weld metal package) in the lid of the mold; the emissions pass through and in turn create a semi closed system. Our Low Emission System uses our EZ Lite Remote® for ignition and our high quality thermOweld® weld powder less the standard starting powder. With all of these components, most of the visible smoke from the reacting weld powder is eliminated.

This system is currently available in all of thermOweld®'s standard configurations that use 200 gram or smaller cartridges. **To order molds:** replace the "M" in the mold number with "LE" (ex M-241 becomes LE-241). To order weld metal, place prefix "LE" in front of cartridge size (ex #115 becomes LE#115). For other sizes contact factory. The EZ Lite Remote® is our standard remote for this application.

This system is an excellent choice when welding is to be done in areas where minimal smoke and sparks are a necessity such as clean rooms, vaults, tunnels, computer rooms, and telecommunication facilities.

TECHNICAL INFORMATION

The Molecular Bond

The thermOweld® connection is a molecular weld. The weld has the same melting point as copper. This factor, along with the increased cross sectional area of the connection and insure the following:

- thermOweld® connections are not affected by a high current surge. Tests have shown that the electrical conductor will melt before the thermOweld® connection, when subjected to high short circuit current. Consult IEEE Standard 837.
- thermOweld® connections will not loosen or corrode at the point of weld. There are no contact surfaces or mechanical pressures involved.
- thermOweld® connections have a current-carrying capacity equal to or greater than that of the conductors.

The EZ Lite® Mold

- Makes all thermOweld® molds EZ to ignite.
- Lights from the top at any angle.
- Reduces emissions by 50% or more.
- Reduces splatter.
- Keeps the handle clamps clean and prolongs life.
- Added Safety - The EZ Lite® Lid points the exhaust away from the user.



INSTALLATION IS EASY!

Making a thermOweld® Connection



Position cleaned conductors in mold.



Place metal disc in bottom of mold crucible.



Pour powder into crucible.



Place a small amount of starting powder in the ignition pocket.



Ignite the starting powder with the Flint Ignitor.



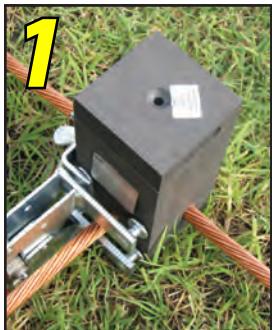
Remove weld and clean mold before making next connection.

Visit www.thermOweld.com for training videos

or visit us on YouTube: <https://www.youtube.com/user/thermOweld>

INSTALLATION IS EASY!

Making a thermOweld® Connection using the EZ Lite Remote® Electric Start System



Position cleaned conductors in mold.



Place metal disc in bottom of mold crucible.



Pour powder into crucible.



Insert the EZ Lite® Ignitor in the connector.



Insert the EZ Lite® Ignitor in the top opening of the EZ Lite® Lid.



Turn the power button to the "ON" position.



Press the "Operate" button until the exothermic reaction is initiated.



Remove weld and clean mold before making next connection.

thermOweld's EZ Lite Remote® is the latest technological advance for thermOweld® exothermic products and the entire industry! For over 50 years, thermOweld® has been developing and inventing products and practical solutions that have become "The Contractor's Choice" worldwide.

With our patent-pending EZ Lite Remote®, the contractor, installer and distributor has versatility and ease-of-use in hand.

You can use your existing thermOweld® EZ Lite® molds and weld metal that you already have in your truck, the jobsite or on your shelf!

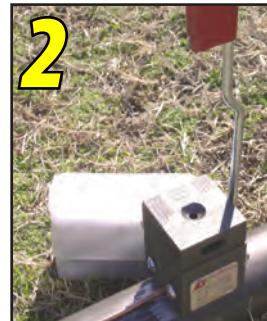
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TECHNICAL INFORMATION

PIPE AND PLATE INSTALLATIONS ARE EASY! Making a thermOweld® Cable to Steel or Cast Iron Connection



Clean pipe before making weld.



Position conductor and mold onto pipe.



Place metal disc in bottom of mold.



Pour weld metal into mold.



Close lid and place starting powder on top. Ignite starting powder with Flint Ignitor.



Remove and clean mold before making next connection.



Visit www.thermOweld.com for training videos
or visit us on YouTube: <https://www.youtube.com/user/thermOweld>

INSTALLATION IS EASY!**Making a thermOweld® Low Emission Connection
using the EZ Lite Remote® Electric Start System**

Position cleaned conductors in mold.



Place filter pad into lid.



Place metal disc in bottom of mold crucible.



Pour powder into crucible.



Insert the EZ Lite® Ignitor in the connector.



Place EZ Lite® Ignitor on side of the mold and place gasket on top of ignitor.



Close lid and secure with latch.



Turn the power button to the "ON" position.



Press the "Operate" button until the exothermic reaction is initiated.



Remove weld and clean mold before making next connection.

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or visit us on YouTube: <https://www.youtube.com/user/thermOweld>

TECHNICAL INFORMATION

CONDUCTOR IDENTIFICATION

Bare Class A, B, and C, Concentric Conductor

Based on ASTM Standard Specifications

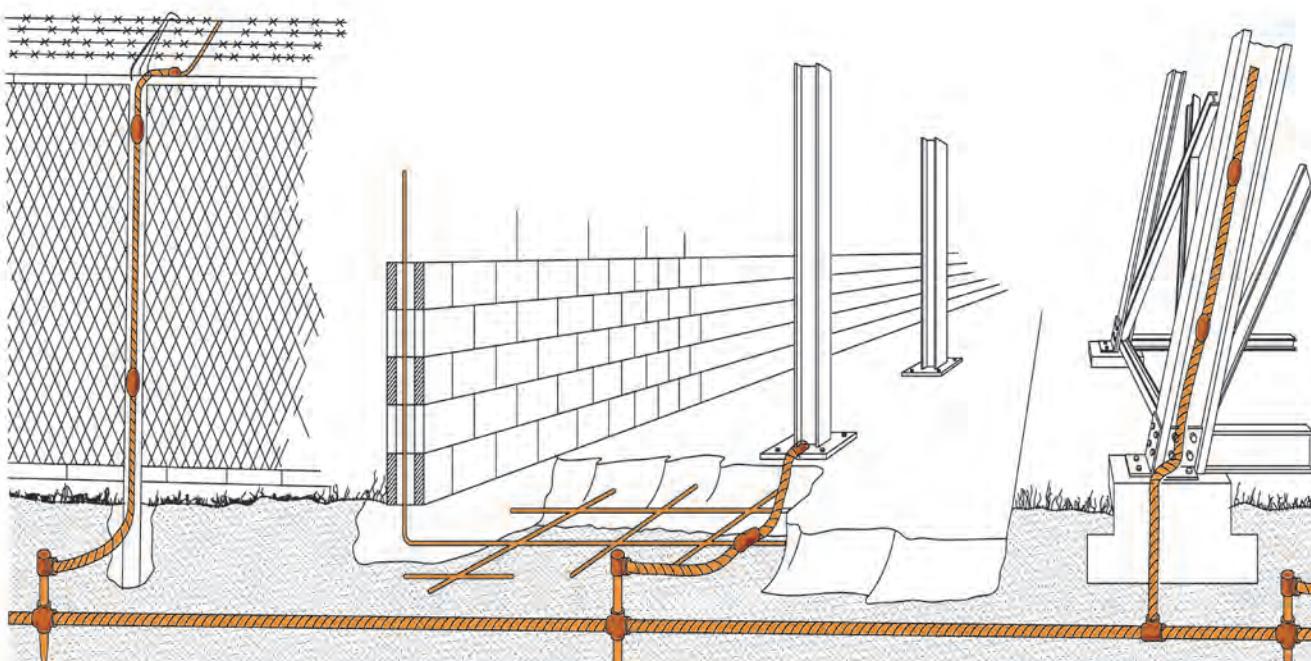
Size AWG	Size in Circular Mils	Conductor Diameter	Number of wires				
			7	19	37	61	91
1000	1,000,000	.1152"			.1644*	.1280	.1048
800	800,000	.1031"			.1470*	.1145	.0938
750	750,000	.0998"			.1424*	.1109	.0908
700	700,000	.0964"			.1375*	.1071	.0877
600	600,000	.0893"			.1273	.0992	.0812
500	500,000	.0813"		.1622*	.1162	.0905	
400	400,000	.0728"		.1451	.1040	.0810	
350	350,000	.0681"		.1357	.0973	.0757	
300	300,000	.0630"		.1257	.0900	.0701	
250	250,000	.0575"		.1147	.0822	.0640	
4/0	211,600	.0528"	.1739	.1055	.0756		
3/0	167,800	.0470"	.1548	.0940	.0763		
2/0	133,100	.0419"	.1379	.0837	.0600		
1/0	105,500	.0373"	.1228	.0745	.0534		
1	83,690	.0332"	.1093	.0664	.0467		
2	66,370	.0292"	.0974	.0591			
3	52,630	.0260"	.0867	.0526			
4	41,740	.0232"	.0772	.0469			
6	26,240	.0184"	.0612	.0372			
8	16,510	.0146"	.0486	.0295			
10	10,380	.0116"	.0385	.0234			
12	6,530	.00915"	.0305	.0185			
14	4,110	.00726"	.0242	.0147			

*Class AA

BARE SOLID COPPER WIRE

Based on ASTM
Standard Specifications

Size AWG	Size in Circular Mils	Conductor Diameter
4/0	211,600	.4600"
3/0	167,800	.4096"
2/0	133,100	.3648"
1/0	105,500	.3249"
1	83,690	.2893"
2	66,370	.2576"
3	52,630	.2294"
4	41,740	.2043"
6	26,240	.1620"
8	16,510	.1285"
10	10,380	.1019"
12	6,530	.0808"
14	4,110	.0641"



Some typical applications of thermoweld® connections in use.

TECHNICAL INFORMATION

GROUND RODS

Size	Material	Type	Body Diameter	Thread Size
1/2"	Copperclad	Sectional	.505"	9/16"
	Copperclad	Plain	.475"	
	Steel*	Plain	.500"	
5/8"	Copperclad	Sectional	.563"	5/8"
	Copperclad	Plain	.563"	
	Steel*	Plain	.625"	
3/4"	Copperclad	Sectional	.682"	3/4"
	Copperclad	Plain	.682"	
	Steel*	Plain	.750"	
1"	Copperclad	Sectional	.914"	1"
	Copperclad	Plain	.914"	
	Steel*	Plain	1.00"	

* Plain Steel, Stainless Steel, Stainless Clad Rods or Galvanized Steel

STEEL PIPE SIZES

Standard Weight
(Schedule 40) ASTM A53-92-B
ANSI/ASME
B36.10M-1985

Nominal Size Inches	O.D. Inches	Wall Thickness Inches
1"	1.315	.133
1 1/4"	1.660	.140
1 1/2"	1.900	.145
2"	2.375	.154
2 1/2"	2.875	.203
3"	3.500	.216
3 1/2"	4.000	.226
4"	4.500	.237
5"	5.563	.258
6"	6.625	.280
8"	8.625	.322
10"	10.750	.365

CONCRETE REINFORCING BARS

US Imperial Sizes (Nominal Dimensions)

Rebar Sizes	Dia. Inches	Area - Sq. Inches
3	.375	.11
4	.500	.20
5	.625	.31
6	.750	.44
7	.875	.60
8	1.000	.79
9	1.128	1.00
10	1.270	1.27
11	1.410	1.56
14	1.693	2.25
18	2.257	4.00

RECTANGULAR COPPER BUSBAR

Thickness Inches	Width Inches	Circular Mil Size	Weight Lbs. Per Foot
1/8"	1"	159,200	.484
	1 1/2"	238,700	.726
	2"	318,300	.969
3/16"	1"	238,700	.727
	2"	477,500	1.45
1/4"	1"	318,300	.969
	1 1/2"	477,500	1.45
	2"	636,600	1.94
	3"	954,900	2.91
	4"	1,273,000	3.88
3/8"	1"	477,500	1.45
	1 1/2"	716,200	2.18
	2"	954,900	2.91
	3"	1,432,000	4.36
	4"	1,910,000	5.81
1/2"	2"	1,273,000	3.88
	3"	1,910,000	5.81
	4"	2,546,000	7.75

COPPER-CLAD STEEL CONDUCTORS

Cable Stranding	Conductor Diameter	Size in Circular Mils
3/#10 CW	.220"	31,150
3/#9 CW	.247"	38,280
3/#8 CW	.277"	49,530
7/#10 CW	.306"	72,680
3/#7 CW	.311"	78,750
7/#9 CW	.343"	91,650
3/#6 CW	.349"	99,310
7/#8 CW	.385"	115,600
3/#5 CW	.392"	99,310
7/#7 CW	.433"	145,700
7/#6 CW	.486"	183,800
7/#5 CW	.546"	231,700
19/#9 CW	.572"	248,800
7/#4 CW	.613"	292,200
19/#8 CW	.642"	313,700
19/#7 CW	.721"	395,500
37/#9 CW	.801"	484,400
19/#6 CW	.810"	498,800
37/#8 CW	.899"	610,900
19/#5 CW	.910"	628,900
37/#7 CW	1.010"	770,300

Useful Conversions

AREA

Sq.Inches x 1273 = kcmil

Sq.Millimeters x 1.974 = kcmil

kcmil x .5067 = Square Millimeters

DENSITY

Copper:

.323 lb/in³

Steel:

.283 lb/in³

TECHNICAL INFORMATION

METRIC TO IMPERIAL CABLE CONVERSION CHART

Cross Sectional Area (mm ²)	Conductor Diameter		Size A.W.G.	Conductor Diameter	
	inches	mm		inches	mm
2.0 Concentric	.071	1.8	#14 Concentric	.0726	1.84
3.5 Concentric	.095	2.4	#12 Concentric	.0915	2.3
4 Solid	.0984	2.5	#10 Solid	.102	2.6
6 Solid	.122	3.1	#8 Solid	.128	3.25
5.5 Concentric	.118	3.0	#10 Concentric	.116	2.95
8.0 Concentric	.142	3.6	#8 Concentric	.146	3.7
10 Solid	.150	3.8	#6 Solid	.162	4.1
10 Concentric	.162	4.2	#7 Concentric	.164	4.2
14 Concentric	.189	4.8	#6 Concentric	.184	4.7
16 Solid	.177	4.5	#4 Solid	.204	5.2
16 Concentric	.204	5.2	#5 Concentric	.205	5.2
22 Concentric	.236	6.0	#4 Concentric	.232	5.9
25 Solid	.220	5.6	#3 Solid	.229	5.8
25 Concentric	.260	6.4	#3 Concentric	.260	6.6
30 Concentric	.276	6.9	#2 Concentric	.292	7.4
35 Solid	.264	6.7	#2 Solid	.258	6.6
35 Concentric	.305	7.7	#2 Concentric	.292	7.4
38 Concentric	.315	7.8	#2 Concentric	.292	7.4
40 Concentric	.331	8.4	#1 Concentric	.332	8.4
50 Solid	.315	8.0	1/0 Solid	.325	8.3
50 Concentric	.354	9.0	1/0 Concentric	.373	9.5
55 Concentric	.378	9.6	1/0 Concentric	.373	9.5
60 Concentric	.394	10.0	2/0 Concentric	.419	10.6
70 Solid	.394	10.0	3/0 Solid	.410	10.4
70 Concentric	.430	10.9	2/0 Concentric	.419	10.6
80 Concentric	.453	11.5	3/0 Concentric	.470	12.0
95 Concentric	.505	12.6	4/0 Concentric	.528	13.4
100 Concentric	.512	13.0	4/0 Concentric	.528	13.4
120 Concentric	.567	14.2	250 MCM	.575	14.6
125 Concentric	.571	14.5	250 MCM	.575	14.6
150 Concentric	.634	16.1	300 MCM	.630	16.0
185 Concentric	.700	17.7	350 MCM	.681	17.3
200 Concentric	.717	18.2	400 MCM	.728	18.5
240 Concentric	.801	20.3	500 MCM	.813	20.7
250 Concentric	.815	20.7	500 MCM	.813	20.7
300 Concentric	.891	22.5	600 MCM	.893	22.7
325 Concentric	.922	23.4	700 MCM	.964	24.5
400 Concentric	1.03	26.2	800 MCM	1.031	26.2
500 Concentric	1.13	28.8	1000 MCM	1.152	29.3
600 Concentric	1.26	31.9	1200 MCM	1.263	32.1
625 Concentric	1.29	32.8	1250 MCM	1.289	32.7
725 Concentric	1.39	35.2	1400 MCM	1.364	34.6
800 Concentric	1.45	36.8	1600 MCM	1.459	37.1
850 Concentric	1.48	37.6	1700 MCM	1.506	38.2
1000 Concentric	1.64	41.6	2000 MCM	1.632	41.5

How to Order thermOweld® Molds

The most common ***exothermic connections*** for concentric and solid copper conductors are listed in this thermOweld® catalog. Save Time and Money by using molds listed in this catalog. If you cannot find the necessary connection please contact thermOweld® at **1-800-558-1373** or visit our web site at www.thermoweld.com and go to the **Mold Selection Wizard** for assistance.

1. Determine the Weld Type required:

- Know the application to determine what materials are to be welded.
- Refer to Selector Chart for correct weld type.
- Find the appropriate Weld Type within the catalog.

There are pictures of each weld type in the upper corners of the catalog pages for easy reference

2. Determine the Correct Mold #:

- Determine the Conductor Size or Sizes, Ground Rod Size or surface to be welded.
- Locate each of the above to find the correct Mold #.

*The thermOweld® catalog lists molds that are designed for stranded AWG concentric and solid cable, as well as ground rods, bus bar, lugs, steel, rebar, and other special grounding accessories. For sizes not listed please contact thermOweld® at **1-800-558-1373**.*

3. After Determining the Correct Mold # Verify the Following:

- Price Key - Find the price of the mold by crossing it on the thermOweld® price lists.
- Weld Metal (size) needed to make weld.
- Handle Clamps required for the mold.
- Packing Materials (if needed).
- See Notes - for other accessories needed or suggested to make this connection.

Please Check to make sure you have the following to make a proper weld:

- 1) Mold that fits your application.
- 2) Weld Metal required for the connection.
- 3) Handle Clamps or frame.
- 4) Flint Ignitor or EZ Lite Remote®- (Low emission molds require the use of the EZ Lite Remote®).
- 5) Sleeves, packing or other accessories required or suggested.

Mold Availability:

The mold availability is listed under the lead-time column in the catalog.

- SDS – Same Day Service (*Orders placed by 4:00 pm Central time can ship Same Day*)
- 2 - Ships 2 days following the date the order is placed.
- 4 - Will ship in 4 days ARO (*Design molds will take up to 4 days to ship after receipt of order.*)



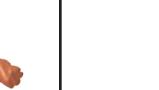
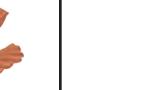
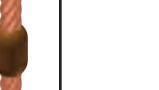
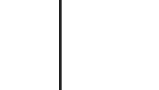
call Today ship Today!

TECHNICAL INFORMATION

SELECTOR CHART

Highlighted weld types may be found in this catalog. Contact thermOweld® for more information about these and other weld types not listed.

CABLE TO CABLE CONNECTIONS

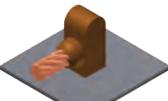
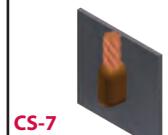
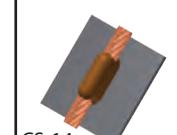
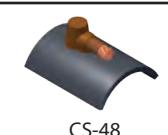
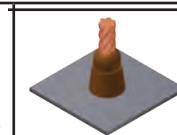
					
					
					
					
					
					
					
					
					

TECHNICAL INFORMATION

SELECTOR CHART

NOTE: **Highlighted** weld types may be found in this catalog. Contact thermOweld® for more information about these and other weld types not listed.

CABLE TO STEEL OR CAST IRON CONNECTIONS

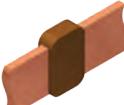
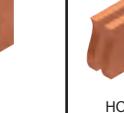
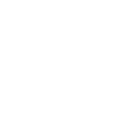
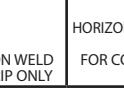
					
					
					
					
					
					
					
					

TECHNICAL INFORMATION

SELECTOR CHART

Highlighted weld types may be found in this catalog. Contact thermOweld® for more information about these and other weld types not listed.

BUS BAR TO BUS BAR CONNECTIONS

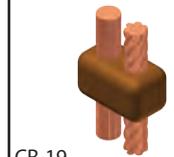
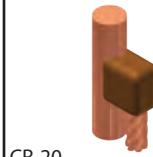
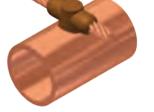
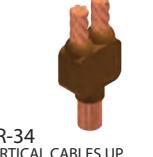
					
					
					
					
					
					
					
					

TECHNICAL INFORMATION

SELECTOR CHART

NOTE: **Highlighted** weld types may be found in this catalog. Contact thermOweld® for more information about these and other weld types not listed.

CABLE TO GROUND ROD OR ROD CONNECTIONS

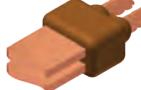
					
					
					
					
					
					

TECHNICAL INFORMATION

SELECTOR CHART

NOTE: **Highlighted** weld types may be found in this catalog. Contact thermOweld® for more information about these and other weld types not listed.

CABLE TO LUG OR BUS BAR CONNECTIONS

TECHNICAL INFORMATION

SELECTOR CHART

NOTE: **Highlighted** weld types may be found in this catalog. Contact thermOweld® for more information about these and other weld types not listed.

CABLE TO REBAR CONNECTIONS

					
CRE-1 PARALLEL / HORIZONTAL CABLE HORIZONTAL REBAR THRU	CRE-2 HORIZONTAL CABLE HORIZONTAL REBAR THRU	CRE-3 HORIZONTAL CABLE THRU VERTICAL REBAR THRU	CRE-4 HORIZONTAL CABLE THRU HORIZONTAL REBAR THRU	CRE-5 VERTICAL CABLE THRU HORIZONTAL REBAR THRU	CRE-6 HORIZONTAL CABLE VERTICAL REBAR THRU
					
CRE-7 SPICE / VERTICAL CABLE UP VERTICAL REBAR DOWN	CRE-8 SPICE / VERTICAL CABLE DOWN VERTICAL REBAR UP	CRE-9 SPICE / HORIZONTAL CABLE HORIZONTAL REBAR	CRE-11 HORIZONTAL CABLE THRU HORIZONTAL REBAR	CRE-12 VERTICAL CABLE THRU HORIZONTAL REBAR	CRE-13 VERTICAL CABLE UP HORIZONTAL REBAR THRU
					
CRE-14 VERTICAL CABLE DOWN HORIZONTAL REBAR THRU	CRE-15 HORIZONTAL CABLE THRU VERTICAL REBAR UP	CRE-16 HORIZONTAL CABLE THRU VERTICAL REBAR DOWN	CRE-17 PARALLEL / HORIZONTAL CABLE THRU (STACKED) HORIZONTAL REBAR THRU	CRE-18 PARALLEL / VERTICAL CABLE DOWN VERTICAL REBAR THRU	CRE-19 PARALLEL / VERTICAL CABLE UP VERTICAL REBAR THRU
					
CRE-20 PARALLEL / VERTICAL CABLE THRU VERTICAL REBAR THRU	CRE-21 HORIZONTAL CABLE VERTICAL REBAR DOWN	CRE-25 HORIZONTAL CABLE TEE VERTICAL REBAR DOWN	CRE-35 VERTICAL CABLE 45° DOWN VERTICAL REBAR THRU		

BUS BAR TO REBAR CONNECTIONS

					
BRE-3 HORIZONTAL BAR THRU BAR ON EDGE VERTICAL REBAR THRU	BRE-4 HORIZONTAL BAR THRU HORIZONTAL REBAR THRU	BRE-5 HORIZONTAL BAR HORIZONTAL REBAR THRU	BRE-6 HORIZONTAL BAR BAR ON EDGE HORIZONTAL REBAR THRU	BRE-7 VERTICAL BAR THRU HORIZONTAL REBAR THRU	BRE-8 HORIZONTAL BAR BAR ON EDGE VERTICAL REBAR THRU
					
BRE-13 HORIZONTAL BAR FLAT HORIZONTAL REBAR	BRE-15 VERTICAL BAR DOWN HORIZONTAL REBAR THRU	BRE-16 HORIZONTAL BAR FLAT VERTICAL REBAR THRU	BRE-17 HORIZONTAL BAR THRU BAR ON EDGE HORIZONTAL REBAR THRU	BRE-18 VERTICAL BAR DOWN VERTICAL REBAR THRU	BRE-20 VERTICAL BAR UP BAR ON EDGE VERTICAL REBAR THRU

ROD TO REBAR CONNECTIONS

REBAR TO REBAR CONNECTIONS

(NOTE: RE WELD TYPES ARE FOR ELECTRICAL CONTINUITY ONLY AND ARE NOT TO BE USED FOR STRUCTURAL PURPOSES.)

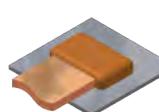
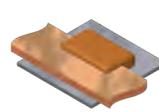
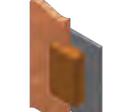
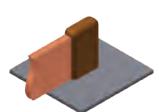
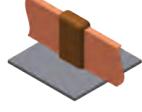
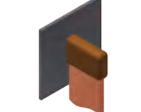
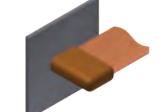
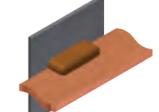
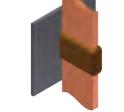
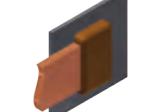
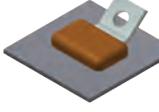
					
RE-1 SPICE / HORIZONTAL	RE-2 SPICE / VERTICAL	RE-3 PARALLEL / VERTICAL RUN & TAP (SIDE-BY-SIDE)	RE-7 PARALLEL / HORIZONTAL RUN & TAP (STACKED)	RRE-1 HORIZONTAL ROD HORIZONTAL REBAR	RRE-16 HORIZONTAL ROD VERTICAL REBAR THRU

TECHNICAL INFORMATION

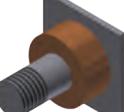
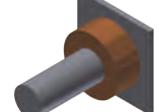
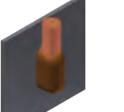
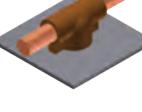
SELECTOR CHART

NOTE: **Highlighted** weld types may be found in this catalog. Contact thermOweld® for more information about these and other weld types not listed.

LUG OR BUS BAR TO STEEL CONNECTIONS

 BS-1 VERTICAL BAR DOWN VERTICAL STEEL	 BS-2 HORIZONTAL BAR HORIZONTAL STEEL	 BS-3 HORIZONTAL BAR THRU HORIZONTAL STEEL	 BS-4 HORIZONTAL BAR THRU BAR ON EDGE VERTICAL STEEL	 BS-5 VERTICAL BAR THRU VERTICAL STEEL	 BS-6 HORIZONTAL BAR BAR ON EDGE HORIZONTAL STEEL
 BS-7 HORIZONTAL BAR THRU BAR ON EDGE HORIZONTAL STEEL	 BS-8 VERTICAL BAR DOWN BAR ON EDGE VERTICAL STEEL	 BS-9 HORIZONTAL BAR BAR ON EDGE VERTICAL STEEL	 BS-11 HORIZONTAL BAR THRU BAR ON EDGE VERTICAL STEEL	 BS-12 VERTICAL BAR THRU BAR ON EDGE VERTICAL STEEL	 BS-13 HORIZONTAL BAR BAR ON EDGE VERTICAL STEEL
 BS-14 VERTICAL BAR UP VERTICAL STEEL	 BS-15 HORIZONTAL 45° LUG HORIZONTAL STEEL	 BS-16 VERTICAL 45° LUG VERTICAL STEEL	 BS-17 HORIZONTAL 45° LUG LUG ON EDGE VERTICAL STEEL	 BS-18 HORIZONTAL BAR VERTICAL STEEL	 BS-19 HORIZONTAL BAR BAR ON EDGE VERTICAL STEEL
 BS-20 VERTICAL BAR UP BAR ON EDGE VERTICAL STEEL					

THREADED STUD OR ROD TO STEEL CONNECTIONS

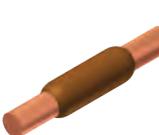
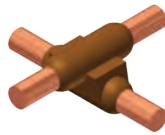
 RS-1 HORIZONTAL STUD VERTICAL STEEL	 RS-2 VERTICAL STUD HORIZONTAL STEEL	 RS-5 VERTICAL ROD THRU VERTICAL STEEL ROD OFF SURFACE	 RS-6 HORIZONTAL ROD VERTICAL STEEL	 RS-7 VERTICAL ROD UP VERTICAL STEEL ROD ON SURFACE	 RS-8 HORIZONTAL ROD HORIZONTAL STEEL ROD ON SURFACE
 RS-9 HORIZONTAL ROD THRU HORIZONTAL STEEL ROD OFF SURFACE	 RS-11 HORIZONTAL ROD HORIZONTAL STEEL ROD OFF SURFACE	 RS-23 VERTICAL ROD DOWN VERTICAL STEEL ROD OFF SURFACE			

TECHNICAL INFORMATION

SELECTOR CHART

NOTE: **Highlighted** weld types may be found in this catalog. Contact thermOweld® for more information about these and other weld types not listed.

GROUND ROD TO GROUND ROD CONNECTIONS

					
RR-1 SPICE / VERTICAL	RR-2 SPICE / HORIZONTAL	RR-3 HORIZONTAL ROD VERTICAL ROD THRU	RR-4 HORIZONTAL ROD VERTICAL ROD DOWN	RR-5 HORIZONTAL ROD THRU VERTICAL ROD THRU	RR-6 HORIZONTAL ROD THRU VERTICAL ROD UP
					
RR-7 PARALLEL / HORIZONTAL (STACKED)	RR-13 HORIZONTAL ROD VERTICAL ROD	RR-14 CROSS (X) / HORIZONTAL (UNCUT)	RR-15 TEE / HORIZONTAL	RR-16 ELL / HORIZONTAL	

BUS BAR TO GROUND ROD CONNECTIONS

					
BR-1 HORIZONTAL BAR VERTICAL ROD	BR-2 HORIZONTAL BAR THRU BAR ON EDGE VERTICAL ROD	BR-3 HORIZONTAL BAR THRU BAR ON EDGE (UNCUT) VERTICAL ROD THRU	BR-4 HORIZONTAL BAR THRU HORIZONTAL ROD	BR-5 HORIZONTAL BAR HORIZONTAL ROD THRU	BR-6 HORIZONTAL BAR THRU BAR ON EDGE VERTICAL ROD UP
					
BR-7 HORIZONTAL BAR THRU VERTICAL ROD	BR-8 HORIZONTAL BAR BAR ON EDGE VERTICAL ROD THRU	BR-9 HORIZONTAL BAR THRU BAR ON EDGE VERTICAL ROD	BR-11 VERTICAL SPLICE / BAR UP VERTICAL ROD	BR-12 HORIZONTAL BAR BAR ON EDGE VERTICAL ROD	BR-13 HORIZONTAL BAR HORIZONTAL ROD
					
BR-14 VERTICAL BAR UP HORIZONTAL ROD	BR-15 VERTICAL BAR DOWN HORIZONTAL ROD	BR-16 HORIZONTAL LUG OR BAR HORIZONTAL ROD	BR-17 HORIZONTAL BAR BAR ON EDGE HORIZONTAL ROD	BR-18 HORIZONTAL BAR THRU BAR ON EDGE VERTICAL ROD THRU	BR-19 HORIZONTAL BAR THRU BAR ON EDGE VERTICAL ROD UP 3/4" TO 5" CLEARANCE BEHIND BAR
					
BR-25 HORIZONTAL BAR VERTICAL ROD					

TECHNICAL INFORMATION

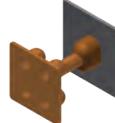
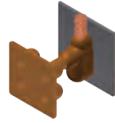
SELECTOR CHART

NOTE: **Highlighted** weld types may be found in this catalog. Contact thermOweld® for more information about these and other weld types not listed.

AIRCRAFT GROUNDING RECEPTACLE CONNECTIONS

					
ABR-1 HORIZONTAL BAR BAR ON EDGE AIRCRAFT GROUNDING RECEPTACLE VERTICAL GROUND ROD	AC-1 HORIZONTAL CABLE AIRCRAFT GROUNDING RECEPTACLE W/ RISER FOR PIPE	AC-2 HORIZONTAL CABLE THRU AIRCRAFT GROUNDING RECEPTACLE W/ RISER FOR PIPE	AR-1 AIRCRAFT GROUNDING RECEPTACLE VERTICAL ROD	ACR-1 HORIZONTAL CABLE AIRCRAFT GROUNDING RECEPTACLE VERTICAL ROD	ACR-2 HORIZONTAL CABLE THRU AIRCRAFT GROUNDING RECEPTACLE VERTICAL ROD
					
ARE-1 AIRCRAFT GROUNDING RECEPTACLE VERTICAL REBAR	ACRE-1 HORIZONTAL CABLE AIRCRAFT GROUNDING RECEPTACLE VERTICAL REBAR	ACRE-2 HORIZONTAL CABLE THRU AIRCRAFT GROUNDING RECEPTACLE VERTICAL REBAR			

GROUNDING RECEPTACLE CONNECTIONS

					
CR-27 HORIZONTAL CABLE HORIZONTAL GROUND PLATE	CR-29 HORIZONTAL CABLE INVERTED GROUND PLATE	CR-30 HORIZONTAL CABLE THRU HORIZONTAL GROUND PLATE	CR-31 HORIZONTAL CABLE VERTICAL GROUND PLATE W/ RISER FOR PIPE	CR-32 HORIZONTAL CABLE THRU VERTICAL GROUND PLATE W/ RISER FOR PIPE	BR-29 HORIZONTAL BAR INVERTED GROUND PLATE
					
RS-3 HORIZONTAL GROUND PLATE VERTICAL STEEL	CRS-1 VERTICAL CABLE DOWN HORIZONTAL GROUND PLATE VERTICAL STEEL	CRS-2 VERTICAL CABLE UP HORIZONTAL GROUND PLATE VERTICAL STEEL	RR-8 HORIZONTAL ROD THRU HORIZONTAL GROUND PLATE	RR-9 VERTICAL GROUND PLATE UP VERTICAL ROD DOWN	RR-11 HORIZONTAL GROUND PLATE HORIZONTAL ROD
					
RR-12 HORIZONTAL GROUND PLATE VERTICAL ROD THRU	RRE-6 HORIZONTAL GROUND PLATE VERTICAL REBAR THRU	RRE-8 HORIZONTAL GROUND PLATE HORIZONTAL REBAR THRU	RRE-9 VERTICAL GROUND PLATE VERTICAL REBAR	RRE-11 HORIZONTAL GROUND PLATE HORIZONTAL REBAR	

COPPER TUBE TO GROUND ROD CONNECTIONS

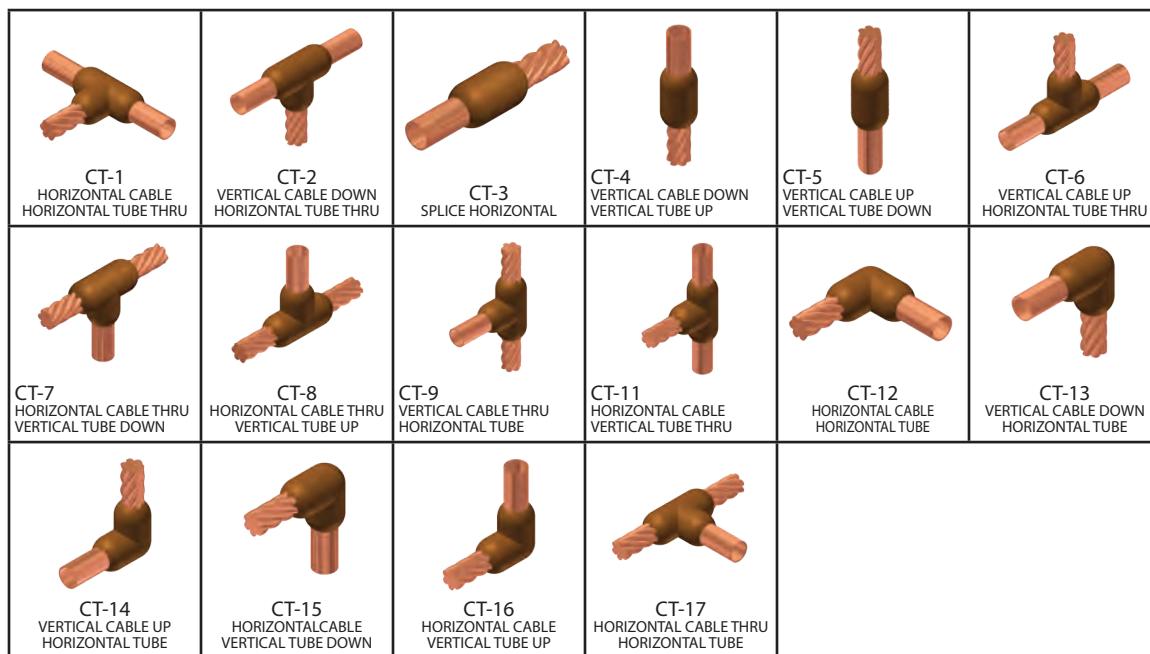
	
RT-1 HORIZONTAL TUBE VERTICAL GROUND ROD	RT-2 HORIZONTAL TUBE THRU VERTICAL GROUND ROD

TECHNICAL INFORMATION

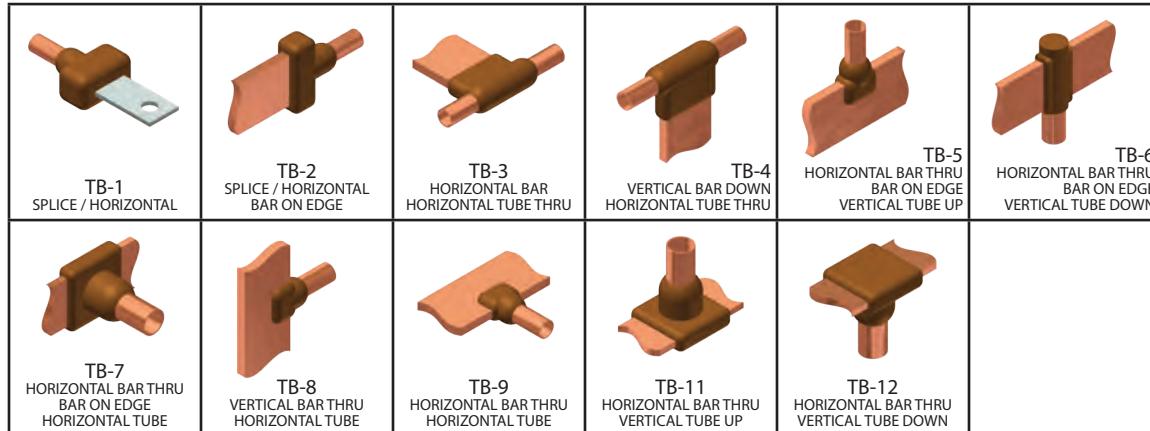
SELECTOR CHART

NOTE: **Highlighted** weld types may be found in this catalog. Contact thermOweld® for more information about these and other weld types not listed.

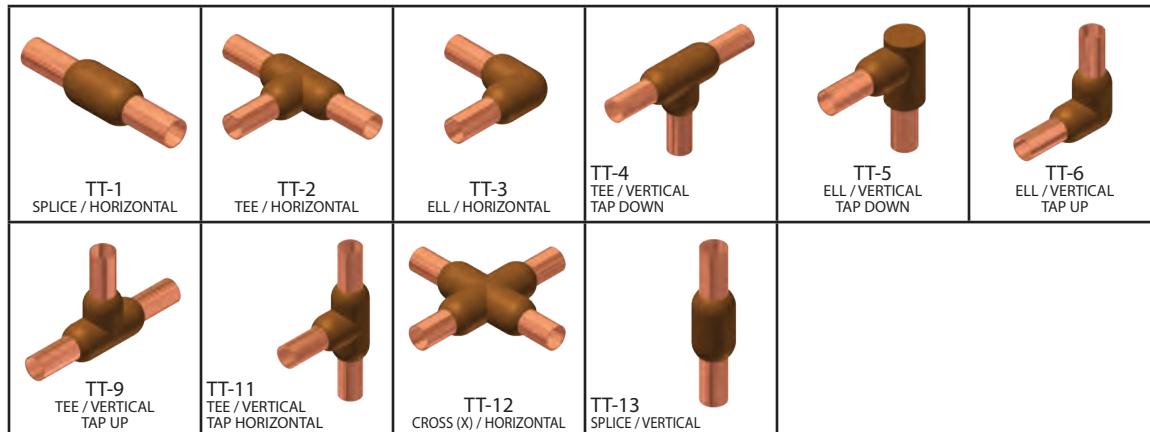
CABLE TO COPPER TUBE CONNECTIONS



LUG OR BUS BAR TO COPPER TUBE CONNECTIONS



COPPER TUBE TO COPPER TUBE CONNECTIONS



TECHNICAL INFORMATION

thermOweld® provides high quality products to the Electric, Utility, Telecom, and Cathodic Markets.

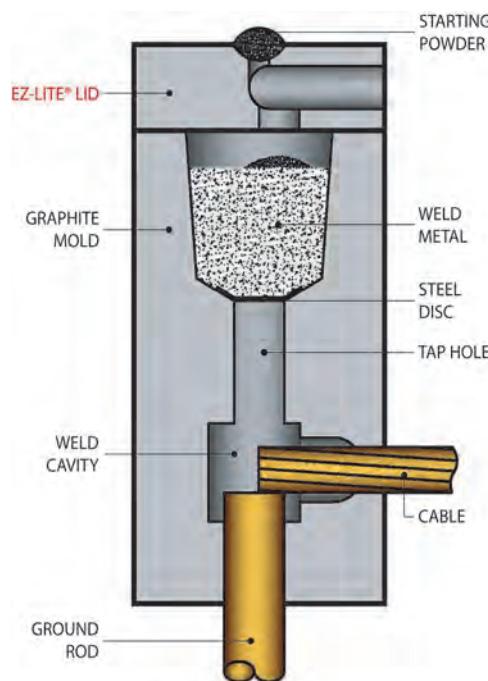
The thermOweld® process is a simple way of welding copper to copper and copper to steel. The reaction takes place in a semi-permanent graphite mold and uses high temperature reactions of copper oxide and aluminum.

The thermOweld® connections are solid molecular bonds; they will not loosen or corrode throughout the life of the weld.

"If you need it, we can make it"

Features

- All thermOweld® molds come with our EZ Lite® lid.
- Added Safety - EZ Lite® Lid redirects exhaust away from the user.
- The average life of a mold is 50 plus welds - depending on the care and treatment it receives.
- EZ to ignite with the top ignition hole.
- EZ Lite® Lid extends the life of handles and framework of mold.
- Reduces emission by more than 50% compared to the standard lid.



Section 2

Molds

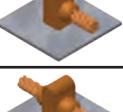
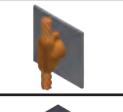
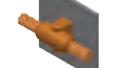
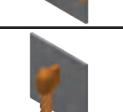
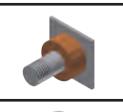
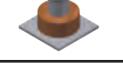
for use with

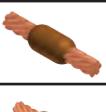
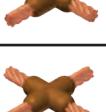
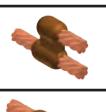
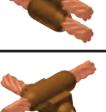
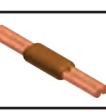
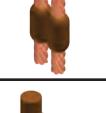
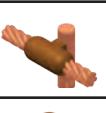
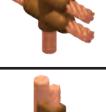
AWG Conductors & Bus Bar

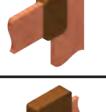
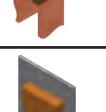
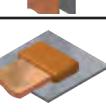
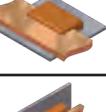
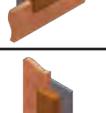
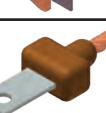
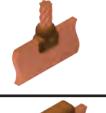
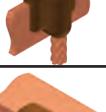
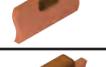
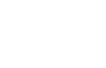
Description.....	Page #
Cable to Cable Connections.....	2-33
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CR-18 Wire-to-Ground Kits.....	2-49
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Cable to Reinforcing Bar (Rebar) Connections.....	2-73

MOLDS

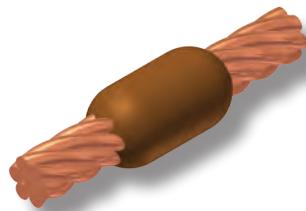
AWG Conductors

Weld Type	
	CRE-6
	CS-1
	CS-2
	CS-3
	CS-4
	CS-5
	CS-6
	CS-7
	CS-8
	CS-9
	CS-18
	CS-23
	RR-1
	RS-1
	RS-2

Weld Type	
	CC-1
	CC-2
	CC-4
	CC-6
	CC-7
	CC-11
	CC-14
	CC-34
	CR-1
	CR-2
	CR-3
	CR-17
	CR-18
	CR-24
	CRE-1
	CRE-2
	CRE-3
	CRE-4

Weld Type	
	BB-1
	BB-2
	BB-3
	BS-1
	BS-2
	BS-3
	BS-4
	BS-5
	CB-1
	CB-2
	CB-3
	CB-4
	CB-5
	CB-6
	CB-7
	CB-29
	CB-33

Section 2 - Molds
AWG Conductors



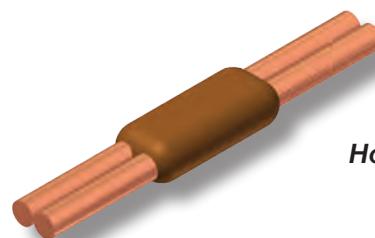
CC-1

TYPE MOLDS

*Horizontal End to End
For AWG Conductors*

MOLDS FOR AWG CONDUCTORS										
Cable	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
	Mold #	Price Key	Weld Metal*	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#8	M-6021	4	15	B-106	2	M-6021-H	4	32	B-106	4
#6	M-200	4	25	B-106	2	M-200-H	4	45	B-106	4
#4	M-201	4	25	B-106	2	M-201-H	4	45	B-106	2
#2	M-203	4	32	B-106	2	M-203-H	4	65	B-106	2
#1	M-204	4	32	B-106	4	M-204-H	4	65	B-106	4
1/0	M-205	4	45	B-106	2	M-205-H	4	90	B-106	2
2/0	M-206	4	65	B-106	SDS	M-206-H	4	115	B-106	2
3/0	M-207	4	90	B-106	2	M-207-H	4	150	B-106	2
4/0	M-208	4	90	B-106	SDS	M-208-H	4	150	B-106	2
250 MCM	M-209	4	115	B-106	2	M-209-H	4	200	B-106	2
300 MCM	M-210	4	115	B-106	2	M-210-H	4	200	B-106	2
350 MCM	M-211	4	150	B-106	2	M-211-H	4	250	B-106	2
500 MCM	M-213	4	200	B-106	2	M-213-H	5	2-150	B-107	2
750 MCM	M-214	5	2-150	B-107	2	M-214-H	5	500	B-107	2
1000 MCM	M-215	5	2-200	B-107	2	M-215-H	5	3-250	B-107	4

Section 2 - Molds
AWG Conductors



CC-14

TYPE MOLDS

*Horizontal Parallel through Cables
For AWG Conductors*

MOLDS FOR AWG CONDUCTORS						
Cable		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
#8	#8	M-5709	18†	15	40-4565-00	2
#6	#6	M-5618	18†	25	40-4565-00	2

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU ~ EZ Lite Remote®
 - † ~ Sold complete with handles
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

MOLDS

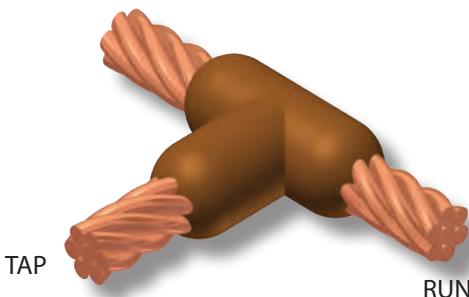
AWG Conductors

CC-2

TYPE MOLDS

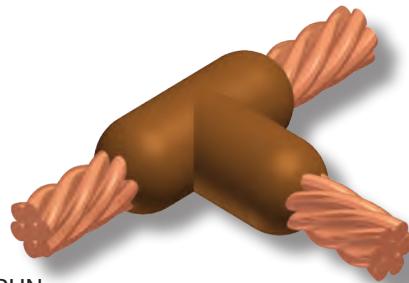
*Horizontal Cable Tap to Horizontal Cable Run
For AWG Conductors*

"T" Cable to Cable Exothermic Weld Video:
link: <https://youtu.be/Ofs1yKg6JvU>



Section 2 - Molds
AWG Conductors

MOLDS FOR AWG CONDUCTORS						
Cable		STANDARD CONNECTION			HEAVY DUTY CONNECTION	
Run	Tap	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6	#6	M-5072	4	32	B-106	2
#4	#4	M-221	4	32	B-106	2
#2	#2	M-223	4	45	B-106	SDS
#2	#4	M-224	4	45	B-106	2
#1	#1	M-225	4	45	B-106	2
#1	#2	M-226	4	45	B-106	2
#1	#4	M-227	4	45	B-106	2
1/0	1/0	M-228	4	90	B-106	SDS
	#1	M-229	4	45	B-106	2
	#2	M-230	4	45	B-106	2
	#2 Sol	M-5311	4	45	B-106	2
	#4	M-231	4	45	B-106	2
2/0	4/0	M-5059	4	90	B-106	SDS
	2/0	M-232	4	90	B-106	SDS
	1/0	M-233	4	90	B-106	2
	#1	M-234	4	45	B-106	2
	#2	M-235	4	45	B-106	SDS
	#2 Sol	M-8093	4	45	B-106	2
	#4	M-5475	4	45	B-106	2
3/0	3/0	M-236	4	115	B-106	SDS
	2/0	M-237	4	90	B-106	2
	1/0	M-238	4	90	B-106	2
	#1	M-239	4	45	B-106	2
	#2	M-240	4	45	B-106	2
	#2 Sol	M-5884	4	45	B-106	2
	#4	M-5574	4	45	B-106	2
4/0	500 MCM	M-5010	4	150	B-106	4
	4/0	M-241	4	150	B-106	SDS
	3/0	M-242	4	115	B-106	2
	2/0	M-243	4	90	B-106	SDS
	1/0	M-244	4	90	B-106	SDS
	#1	M-245	4	90	B-106	2
	#2	M-246	4	90	B-106	SDS
	#2 Sol	M-5348	4	90	B-106	2
250 MCM	#4	M-5021	4	90	B-106	2
	250 MCM	M-247	4	150	B-106	SDS
	4/0	M-248	4	150	B-106	2
	3/0	M-249	4	150	B-106	2
	2/0	M-250	4	90	B-106	2
	1/0	M-251	4	90	B-106	2
	#1	M-252	4	90	B-106	2
#2	M-253	4	90	B-106	2	



"T" Cable to Cable Exothermic Weld Video:
link: <https://youtu.be/OFs1yKg6JvU>



CC-2

TYPE MOLDS

**Horizontal Cable Tap to Horizontal Cable Run
For AWG Conductors**

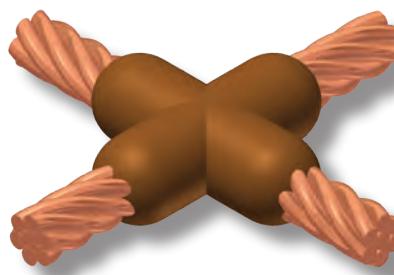
MOLDS FOR AWG CONDUCTORS											
Cable		STANDARD CONNECTION				HEAVY DUTY CONNECTION					
Run	Tap	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
300 MCM	300 MCM	M-254	4	200	B-106	2	M-254-H	5	2-150	B-107	2
	250 MCM	M-255	4	150	B-106	2	M-255-H	4	250	B-106	4
	4/0	M-256	4	150	B-106	2	M-256-H	4	250	B-106	4
	3/0	M-257	4	150	B-106	2	M-257-H	4	250	B-106	4
	2/0	M-258	4	90	B-106	2	M-258-H	4	150	B-106	4
	1/0	M-259	4	90	B-106	2	M-259-H	4	150	B-106	4
	#1	M-260	4	90	B-106	2	M-260-H	4	150	B-106	4
	#2	M-261	4	90	B-106	2	M-261-H	4	150	B-106	4
	350 MCM	M-262	4	200	B-106	2	M-262-H	5	2-150	B-107	4
	300 MCM	M-263	4	200	B-106	2	M-263-H	5	2-150	B-107	4
350 MCM	250 MCM	M-264	4	200	B-106	2	M-264-H	5	2-150	B-107	4
	4/0	M-265	4	150	B-106	2	M-265-H	4	250	B-106	2
	3/0	M-266	4	150	B-106	2	M-266-H	4	250	B-106	4
	2/0	M-267	4	90	B-106	2	M-267-H	4	150	B-106	4
	1/0	M-268	4	90	B-106	2	M-268-H	4	150	B-106	2
	#1	M-269	4	90	B-106	2	M-269-H	4	150	B-106	4
	#2	M-270	4	90	B-106	2	M-270-H	4	150	B-106	4
	500 MCM	M-280	4	2-150	B-106	SDS	M-280-H	5	500	B-107	2
	350 MCM	M-282	4	200	B-106	2	M-282-H	5	2-150	B-107	4
	300 MCM	M-283	4	200	B-106	2	M-283-H	5	2-150	B-107	4
500 MCM	250 MCM	M-284	4	200	B-106	2	M-284-H	5	2-150	B-107	2
	4/0	M-285	4	150	B-106	2	M-285-H	4	250	B-106	2
	2/0	M-286	4	90	B-106	2	M-286-H	4	150	B-106	2
	1/0	M-287	4	90	B-106	2	M-287-H	4	150	B-106	2
	#1	M-288	4	90	B-106	2	M-288-H	4	150	B-106	4
	#2	M-289	4	90	B-106	2	M-289-H	4	150	B-106	2
	750 MCM	M-290	5	500	B-107	2	M-290-H	5	3-250	B-107	2
	500 MCM	M-291	5	2-200	B-107	2	M-291-H	5	3-200	B-107	4
	350 MCM	M-293	4	250	B-106	2	M-293-H	5	2-200	B-107	4
	300 MCM	M-294	4	200	B-106	2	M-294-H	5	2-150	B-107	4
750 MCM	250 MCM	M-295	4	200	B-106	2	M-295-H	5	2-150	B-107	4
	4/0	M-296	4	150	B-106	2	M-296-H	4	250	B-106	4
	2/0	M-297	4	150	B-106	2	M-297-H	4	250	B-106	4
	1/0	M-298	4	150	B-106	2	M-298-H	4	250	B-106	4

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

Section 2 - Molds
AWG Conductors

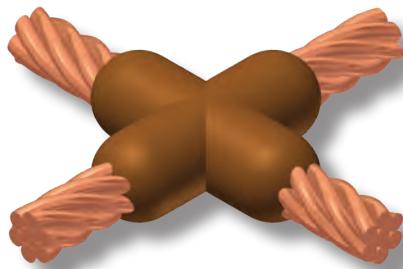
CC-4

TYPE MOLDS

*Horizontal to Horizontal Cable Cross**For AWG Conductors**Tap cable is cut*

MOLDS FOR AWG CONDUCTORS											
Cable		STANDARD CONNECTION				HEAVY DUTY CONNECTION					
Run	Tap	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6	#6	M-5001	4	32	B-106	2	M-5001-H	4	65	B-106	4
#4	#4	M-423	4	45	B-106	2	M-423-H	4	65	B-106	2
#2	#2	M-425	4	65	B-106	2	M-425-H	4	90	B-106	4
	#4	M-426	4	65	B-106	2	M-426-H	4	90	B-106	4
#1	#1	M-427	4	65	B-106	2	M-427-H	4	115	B-106	4
	#2	M-428	4	65	B-106	2	M-428-H	4	115	B-106	4
	#4	M-429	4	65	B-106	4	M-429-H	4	115	B-106	4
1/0	1/0	M-430	4	90	B-106	2	M-430-H	4	150	B-106	2
	#1	M-431	4	90	B-106	4	M-431-H	4	150	B-106	4
	#2	M-432	4	90	B-106	2	M-432-H	4	150	B-106	4
	#4	M-433	4	90	B-106	2	M-433-H	4	150	B-106	2
2/0	2/0	M-434	4	115	B-106	SDS	M-434-H	4	200	B-106	2
	1/0	M-435	4	115	B-106	2	M-435-H	4	200	B-106	4
	#1	M-436	4	115	B-106	4	M-436-H	4	200	B-106	4
	#2	M-437	4	115	B-106	2	M-437-H	4	150	B-106	4
3/0	3/0	M-438	4	150	B-106	2	M-438-H	4	250	B-106	2
	2/0	M-439	4	150	B-106	2	M-439-H	4	250	B-106	4
	1/0	M-440	4	115	B-106	2	M-440-H	4	200	B-106	4
	#1	M-441	4	115	B-106	2	M-441-H	4	200	B-106	4
	#2	M-442	4	115	B-106	2	M-442-H	4	200	B-106	4
4/0	4/0	M-443	4	200	B-106	SDS	M-443-H	5	2-150	B-107	2
	3/0	M-444	4	200	B-106	2	M-444-H	5	2-150	B-107	4
	2/0	M-445	4	150	B-106	2	M-445-H	4	250	B-106	2
	1/0	M-446	4	150	B-106	2	M-446-H	4	250	B-106	4
	#1	M-447	4	115	B-106	2	M-447-H	4	200	B-106	4
	#2	M-448	4	115	B-106	2	M-448-H	4	200	B-106	4
250 MCM	250 MCM	M-449	4	200	B-106	2	M-449-H	5	2-150	B-107	4
	4/0	M-450	4	200	B-106	2	M-450-H	5	2-150	B-107	4
	3/0	M-451	4	200	B-106	2	M-451-H	5	2-150	B-107	4
	2/0	M-452	4	150	B-106	2	M-452-H	4	250	B-106	4
	1/0	M-453	4	150	B-106	2	M-453-H	4	250	B-106	4
	#1	M-454	4	115	B-106	4	M-454-H	4	200	B-106	4
	#2	M-455	4	115	B-106	2	M-455-H	4	200	B-106	4

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp



CC-4

TYPE MOLDS

Horizontal to Horizontal Cable Cross

For AWG Conductors

Tap cable is cut

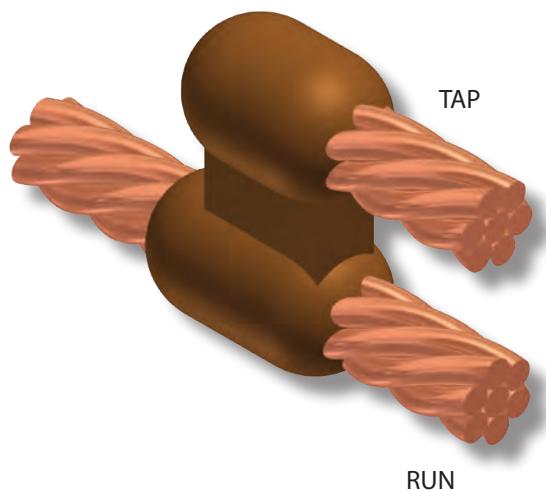
MOLDS FOR AWG CONDUCTORS											
Cable		STANDARD CONNECTION				HEAVY DUTY CONNECTION					
Run	Tap	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
300 MCM	300 MCM	M-456	4	250	B-106	2	M-456-H	5	2-200	B-107	4
	250 MCM	M-457	4	250	B-106	4	M-457-H	5	2-200	B-107	4
	4/0	M-458	4	200	B-106	4	M-458-H	5	2-150	B-107	4
	3/0	M-459	4	200	B-106	2	M-459-H	5	2-150	B-107	4
	2/0	M-460	4	150	B-106	4	M-460-H	4	250	B-106	4
	1/0	M-461	4	150	B-106	4	M-461-H	4	250	B-106	4
	#1	M-462	4	115	B-106	4	M-462-H	4	200	B-106	4
	#2	M-463	4	115	B-106	2	M-463-H	4	200	B-106	4
	350 MCM	M-464	4	250	B-106	2	M-464-H	5	2-200	B-107	4
	300 MCM	M-465	4	250	B-106	4	M-465-H	5	2-200	B-107	4
350 MCM	250 MCM	M-466	4	250	B-106	2	M-466-H	5	2-200	B-107	4
	4/0	M-467	4	200	B-106	2	M-467-H	5	2-150	B-107	4
	3/0	M-468	4	200	B-106	4	M-468-H	5	2-150	B-107	4
	2/0	M-469	4	200	B-106	2	M-469-H	5	2-150	B-107	2
	1/0	M-470	4	200	B-106	4	M-470-H	5	2-150	B-107	4
	#1	M-471	4	150	B-106	4	M-471-H	4	250	B-106	4
	#2	M-472	4	150	B-106	4	M-472-H	4	250	B-106	4
	500 MCM	M-483	5	500	B-107	2	M-483-H	5	3-250	B-107	2
	350 MCM	M-485	5	2-200	B-107	4	M-485-H	5	3-200	B-107	4
	300 MCM	M-486	5	2-200	B-107	2	M-486-H	5	3-200	B-107	4
500 MCM	250 MCM	M-487	5	2-150	B-107	4	M-487-H	5	500	B-107	4
	4/0	M-488	5	2-150	B-107	2	M-488-H	5	500	B-107	2
	3/0	M-489	5	2-150	B-107	4	M-489-H	5	500	B-107	4
	2/0	M-490	4	250	B-106	2	M-490-H	5	2-200	B-107	4
	1/0	M-491	4	250	B-106	2	M-491-H	5	2-200	B-107	4
	#1	M-492	4	200	B-106	4	M-492-H	5	2-150	B-107	4
	#2	M-493	4	200	B-106	2	M-493-H	5	2-150	B-107	2

Section 2 - Molds
AWG Conductors

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

CC-6

TYPE MOLDS

*Horizontal Parallel Tap**For AWG Conductors*Section 2 - Molds
AWG Conductors

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

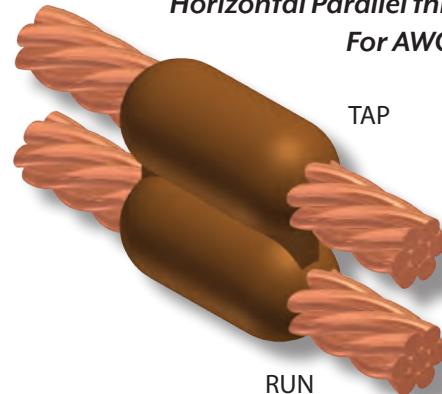
MOLDS FOR AWG CONDUCTORS						
Cable		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
#6 Sol	#6 Sol	M-1270	4	25	B-106	2
#6	#6	M-1271	4	25	B-106	2
	#4	M-1272	4	32	B-106	2
	#6	M-1273	4	32	B-106	2
	#6 Sol	M-1274	4	32	B-106	4
	#8 Sol	M-1275	4	32	B-106	2
	#2	M-1276	4	65	B-106	2
	#2	M-1276-S	4	65	B-106	SDS
	#4	M-1277	4	45	B-106	4
	#6	M-1278	4	32	B-106	2
	#6 Sol	M-1279	4	32	B-106	2
	#8 Sol	M-1280	4	32	B-106	2
	#1	M-1281	4	65	B-106	2
	#2	M-1282	4	65	B-106	2
	#4	M-1283	4	45	B-106	4
	#6	M-1284	4	45	B-106	2
	#6 Sol	M-1285	4	45	B-106	4
	#8 Sol	M-1286	4	46	B-106	4
	1/0	M-1287	4	90	B-106	2
	#1	M-1288	4	90	B-106	4
	#2	M-1289	4	65	B-106	2
	#4	M-1290	4	65	B-106	2
	#6	M-1291	4	45	B-106	2
	#6 Sol	M-1292	4	45	B-106	2
	#8 Sol	M-1293	4	45	B-106	2
	2/0	M-1294	4	115	B-106	2
	1/0	M-1295	4	115	B-106	2
	#1	M-1296	4	90	B-106	4
	#2	M-1297	4	90	B-106	2
	#4	M-1298	4	65	B-106	2
	#6	M-1299	4	65	B-106	2
	#6 Sol	M-1300	4	65	B-106	2
	#8 Sol	M-1301	4	65	B-106	2
	4/0	M-1302	4	150	B-106	2
	2/0	M-1303	4	115	B-106	2
	1/0	M-1304	4	115	B-106	2
	#1	M-1305	4	115	B-106	2
	#2	M-1306	4	115	B-106	2
	#4	M-1307	4	90	B-106	2
	#6	M-1308	4	90	B-106	2
	#6 Sol	M-1309	4	90	B-106	2
	#8 Sol	M-1310	4	90	B-106	2

MOLDS FOR AWG CONDUCTORS						
Cable		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
#4	#6	M-5965	4	25	B-106	2
	#4	M-1311	4	32	B-106	2
	#6	M-5627	4	32	B-106	2
	#6 Sol	M-8882	4	32	B-106	2
	#8	M-5629	4	32	B-106	4
	#8 Sol	M-5630	4	32	B-106	2
#2	#2	M-1313	4	65	B-106	2
	#2 Sol	M-6654	4	65	B-106	SDS
	#4	M-1314	4	65	B-106	2
	#6	M-5631	4	45	B-106	2
	#6 Sol	M-5632	4	45	B-106	2
	#8	M-5634	4	45	B-106	2
	#8 Sol	M-5635	4	45	B-106	4
#2 Sol	#2	M-5973	4	65	B-106	4
#1	#1	M-1315	4	65	B-106	2
	#2	M-1316	4	65	B-106	2
	#4	M-1317	4	65	B-106	4
	#6	M-5636	4	65	B-106	4
	#6 Sol	M-5637	4	65	B-106	4
	#8	M-5638	4	45	B-106	4
	#8 Sol	M-5639	4	45	B-106	4
1/0	1/0	M-1318	4	90	B-106	2
	#1	M-1319	4	65	B-106	4
	#2	M-1320	4	65	B-106	2
	#4	M-1321	4	65	B-106	2
	#6	M-5642	4	65	B-106	2
	#6 Sol	M-1208	4	65	B-106	2
	#8	M-5644	4	65	B-106	4
	#8 Sol	M-5645	4	65	B-106	2
	2/0	M-1322	4	115	B-106	SDS
2/0	1/0	M-1323	4	115	B-106	2
	#1	M-1324	4	90	B-106	2
	#2	M-1325	4	90	B-106	2
	#2 Sol	M-8289	4	90	B-106	4
	#4	M-5659	4	90	B-106	2
	#6	M-5342	4	90	B-106	2
	#6 Sol	M-5652	4	90	B-106	2
	#8	M-5668	4	65	B-106	4
	#8 Sol	M-5943	4	65	B-106	2
	4/0	M-1331	4	200	B-106	SDS
4/0	3/0	M-1332	4	200	B-106	2
	2/0	M-1333	4	150	B-106	2
	1/0	M-1334	4	150	B-106	2
	1/0 Sol	M-2551	4	150	B-106	4
	#1	M-1335	4	150	B-106	2
	#2	M-1336	4	150	B-106	2
	#2 Sol	M-6805	4	150	B-106	4
	#4	M-5340	4	150	B-106	2
	#6	M-5684	4	90	B-106	2
	#6 Sol	M-6552	4	90	B-106	2
250 MCM	#8	M-5686	4	90	B-106	4
	#8 Sol	M-5688	4	90	B-106	2
	250 MCM	M-1337	4	250	B-106	2
	4/0	M-1338	4	200	B-106	2
	2/0	M-1340	4	150	B-106	2
	1/0	M-1341	4	150	B-106	2
	#1	M-1342	4	150	B-106	4
	#2	M-1343	4	150	B-106	2

CC-7

TYPE MOLDS

Horizontal Parallel through Cables
For AWG Conductors



MOLDS FOR AWG CONDUCTORS						
Cable		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
300 MCM	300 MCM	M-1344	5	2-150	B-107	2
	250 MCM	M-1345	4	250	B-106	4
	4/0	M-1346	4	200	B-106	2
	2/0	M-1348	4	150	B-106	4
	1/0	M-1349	4	150	B-106	2
	#1	M-1350	4	150	B-106	4
350 MCM	#2	M-1351	4	150	B-106	4
	350 MCM	M-1352	5	2-150	B-107	2
	300 MCM	M-1353	5	2-150	B-107	2
	250 MCM	M-1354	4	250	B-106	4
	4/0	M-1355	4	200	B-106	2
	2/0	M-1357	4	150	B-106	2
500 MCM	1/0	M-1358	4	150	B-106	4
	#1	M-1359	4	150	B-106	4
	#2	M-1360	4	150	B-106	2
	500 MCM	M-1371	5	2-200	B-107	2
	350 MCM	M-1373	5	2-150	B-107	2
	300 MCM	M-1374	5	2-150	B-107	2
	250 MCM	M-1375	4	250	B-106	2
	4/0	M-1376	4	200	B-106	2
	2/0	M-1378	4	150	B-106	2
	1/0	M-1379	4	150	B-106	2
	#1	M-1380	4	150	B-106	4
	#2	M-1381	4	150	B-106	2

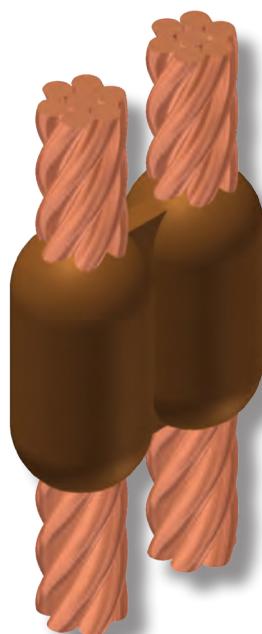
- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix "S" to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

CC-34

TYPE MOLDS

*Vertical Parallel through Cables
For AWG Conductors*

Section 2 - Molds
AWG Conductors



MOLDS FOR AWG CONDUCTORS						
Cable		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
#6	#6	M-7379	17	32	B-106	4
	#4	M-10500	17	65	B-106	4
	#6	M-10501	17	65	B-106	4
	#6 Sol	M-10502	17	45	B-106	4
#2	#2	M-7304	17	90	B-106	2
	#2 Sol	M-7277	17	90	B-106	2
	#4	M-10503	17	90	B-106	4
#1	#1	M-10504	17	115	B-106	4
	#2	M-10505	17	90	B-106	4
	#2 Sol	M-10506	17	90	B-106	4
	#4	M-10507	17	90	B-106	4
1/0	1/0	M-5	17	150	B-106	2
	#1	M-10508	17	115	B-106	4
	#2	M-10509	17	115	B-106	4
	#2 Sol	M-10510	17	115	B-106	4
	#4	M-10511	17	115	B-106	4
2/0	2/0	M-6494	17	150	B-106	2
	1/0	M-10512	17	150	B-106	4
	#1	M-10513	17	150	B-106	4
	#2	M-10514	17	150	B-106	4
	#2 Sol	M-6683	17	150	B-106	2
4/0	#4	M-10515	17	115	B-106	4
	4/0	M-6596	6	2-200	B-107	2
	2/0	M-7050	17	250	B-106	2
	1/0	M-6716	17	250	B-106	2
	#1	M-10517	17	250	B-106	4
250 MCM	#2	M-10518	17	200	B-106	4
	#2 Sol	M-10519	17	200	B-106	4
250 MCM	250 MCM	M-10520	8	500	B-107	4
500 MCM	500 MCM	M-6915	8	3-250	B-107	2

TAP is the cable that is closest to the crucible

RUN is the cable that is farthest from the crucible

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp

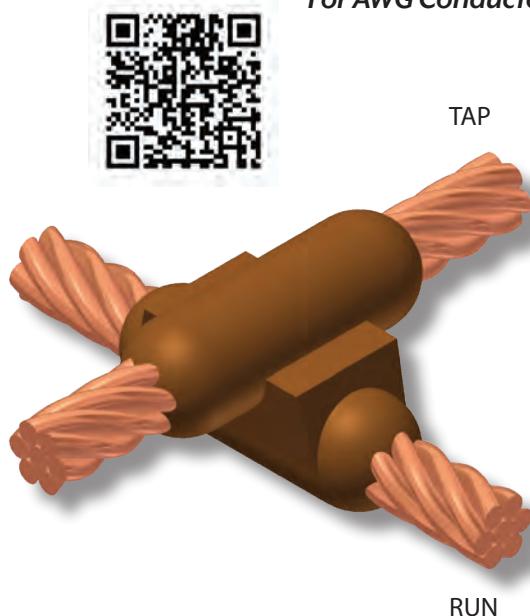
Cable to Cable Cross Exothermic Weld Video:
link: https://youtu.be/NQEbh2uC_4

MOLDS FOR AWG CONDUCTORS						
Cable		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
#6	#6	M-6057	4	45	B-106	2
#4	#4	M-2687	4	65	B-106	2
#2	#2	M-2689	4	90	B-106	2
	#4	M-2690	4	65	B-106	2
	#1	M-2691	4	115	B-106	2
#1	#2	M-2692	4	90	B-106	2
	#4	M-2693	4	90	B-106	4
1/0	1/0	M-2694	22	150	B-106	2
	#1	M-2695	22	150	B-106	2
	#2	M-2696	22	115	B-106	2
	#4	M-2697	22	115	B-106	2
2/0	2/0	M-2698	22	200	B-106	2
	1/0	M-2699	22	200	B-106	2
	#1	M-2700	22	150	B-106	4
	#2	M-2701	22	150	B-106	2
3/0	3/0	M-2702	22	250	B-106	2
	2/0	M-2703	22	200	B-106	4
	1/0	M-2704	22	200	B-106	2
	#1	M-2705	22	150	B-106	2
4/0	#2	M-2706	22	150	B-106	4
	4/0	M-2707	22	250	B-106	SDS
	3/0	M-2708	22	250	B-106	2
	2/0	M-2709	22	200	B-106	2
250 MCM	1/0	M-2710	22	200	B-106	2
	#1	M-2711	22	150	B-106	4
	#2	M-2712	22	150	B-106	2
	250 MCM	M-2713	22	2-150	B-106	2
	4/0	M-2714	22	2-150	B-106	2
	3/0	M-2715	22	2-150	B-106	2
	2/0	M-2716	22	250	B-106	2
500 MCM	1/0	M-2717	22	150	B-106	2
	#1	M-2718	22	200	B-106	4
	#2	M-2719	22	150	B-106	4
	500 MCM	M-2747	23	3-250	B-107	2
	250 MCM	M-2751	23	500	B-107	2
	4/0	M-2752	23	500	B-107	2
	3/0	M-2753	23	500	B-107	2
	2/0	M-2754	23	2-200	B-107	2
	1/0	M-2755	22	2-150	B-106	2
	#1	M-2756	22	250	B-106	4
	#2	M-2757	22	250	B-106	4

CC-11

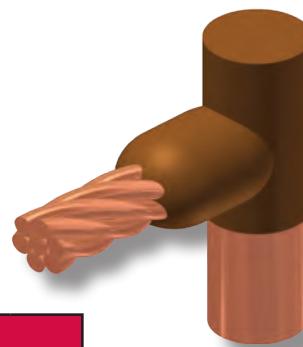
TYPE MOLDS

Horizontal to Horizontal Cable Cross (Uncut)
For AWG Conductors



Section 2 - Molds
AWG Conductors

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp

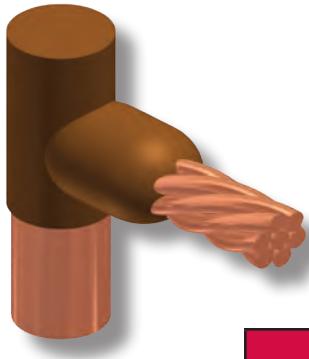
CR-1**TYPE MOLDS***Horizontal Cable Terminal to Ground Rod**For AWG Conductors*

MOLDS FOR AWG CONDUCTORS											
Ground Rod Size	Cable Size	STANDARD MOLD				HEAVY DUTY CONNECTION					
		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	#6	M-5858	4	45	B-106	2	M-5858-H	4	65	B-106	4
	#4	M-6448	4	65	B-106	2	M-6448-H	4	90	B-106	4
	#2	M-495	4	65	B-106	2	M-495-H	4	90	B-106	4
	#1	M-496	4	65	B-106	4	M-496-H	4	90	B-106	4
	1/0	M-497	4	90	B-106	2	M-497-H	4	115	B-106	4
	2/0	M-498	4	90	B-106	2	M-498-H	4	115	B-106	4
	3/0	M-499	4	90	B-106	2	M-499-H	4	150	B-106	4
	4/0	M-500	4	90	B-106	2	M-500-H	4	150	B-106	2
	250 MCM	M-501	4	90	B-106	2	M-501-H	4	150	B-106	4
	300 MCM	M-502	4	90	B-106	2	M-502-H	4	150	B-106	4
5/8"	#6	M-5799	4	45	B-106	2	M-5799-H	4	65	B-106	4
	#4	M-5197	4	65	B-106	2	M-5197-H	4	90	B-106	4
	#2	M-503	4	65	B-106	2	M-503-H	4	90	B-106	2
	#2 Sol	M-503-S	4	65	B-106	2	M-503HS	4	90	B-106	2
	#1	M-504	4	65	B-106	2	M-504-H	4	90	B-106	4
	1/0	M-505	4	90	B-106	2	M-505-H	4	115	B-106	2
	2/0	M-506	4	90	B-106	SDS	M-506-H	4	115	B-106	2
	3/0	M-507	4	90	B-106	2	M-507-H	4	150	B-106	2
	4/0	M-508	4	90	B-106	SDS	M-508-H	4	150	B-106	2
	250 MCM	M-509	4	90	B-106	2	M-509-H	4	150	B-106	4
	300 MCM	M-510	4	115	B-106	2	M-510-H	4	200	B-106	4
	350 MCM	M-511	4	115	B-106	2	M-511-H	4	200	B-106	4
	500 MCM	M-513	4	150	B-106	2	M-513-H	4	250	B-106	4

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix “-N” to mold number.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

NOTES

1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix “-N” is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix “-T” is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

**CR-1****TYPE MOLDS**

*Horizontal Cable Terminal to Ground Rod
For AWG Conductors*

MOLDS FOR AWG CONDUCTORS											
Ground Rod Size	Cable Size	STANDARD MOLD				HEAVY DUTY CONNECTION					
		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
3/4"	#6	M-5878	4	45	B-106	2	M-5878-H	4	65	B-106	2
	#4	M-5593	4	90	B-106	2	M-5593-H	4	115	B-106	2
	#2	M-5781	4	90	B-106	2	M-5781-H	4	115	B-106	2
	#1	M-514	4	90	B-106	2	M-514-H	4	115	B-106	4
	1/0	M-515	4	90	B-106	2	M-515-H	4	150	B-106	2
	2/0	M-516	4	90	B-106	2	M-516-H	4	150	B-106	2
	3/0	M-517	4	90	B-106	2	M-517-H	4	150	B-106	2
	4/0	M-518	4	90	B-106	SDS	M-518-H	4	150	B-106	2
	250 MCM	M-519	4	90	B-106	2	M-519-H	4	150	B-106	4
	300 MCM	M-520	4	115	B-106	2	M-520-H	4	200	B-106	4
	350 MCM	M-521	4	115	B-106	2	M-521-H	4	200	B-106	4
	500 MCM	M-523	4	150	B-106	2	M-523-H	4	250	B-106	2
	750 MCM	M-524	4	250	B-106	2	M-524-H	5	2-200	B-107	4
1"	1/0	M-525	4	150	B-106	2	M-525-H	4	200	B-106	4
	2/0	M-526	4	150	B-106	2	M-526-H	4	200	B-106	4
	3/0	M-527	4	150	B-106	2	M-527-H	4	250	B-106	4
	4/0	M-528	4	150	B-106	2	M-528-H	4	250	B-106	4
	250 MCM	M-529	4	150	B-106	2	M-529-H	4	250	B-106	4
	300 MCM	M-530	4	200	B-106	4	M-530-H	5	2-150	B-107	4
	350 MCM	M-531	4	200	B-106	2	M-531-H	5	2-150	B-107	4
	500 MCM	M-533	4	200	B-106	2	M-533-H	5	2-150	B-107	2
	750 MCM	M-534	4	250	B-106	4	M-534-H	5	2-200	B-107	4
	1000 MCM	M-535	5	2-150	B-107	4	M-535-H	5	500	B-107	4

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix “-N” to mold number.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp

NOTES

1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix “-N” is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix “-T” is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

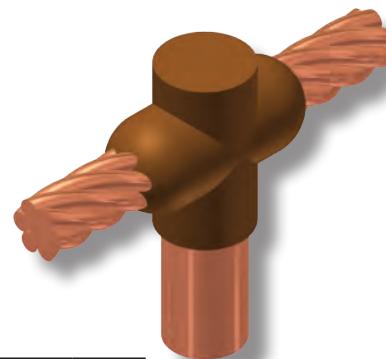
Section 2 - Molds
AWG Conductors

CR-2

TYPE MOLDS

*Horizontal Cable to Ground Rod**For AWG Conductors*

Cable to Ground Rod Exothermic Weld Video:
link: <https://youtu.be/bBnbB3fiux0>

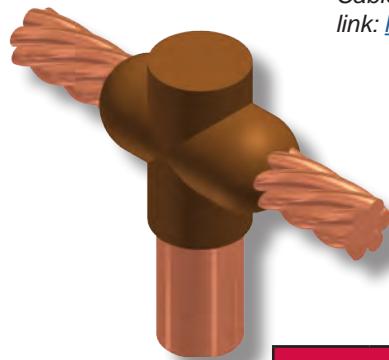


MOLDS FOR AWG CONDUCTORS											
Ground Rod Size	Cable Size	STANDARD CONNECTION				HEAVY DUTY CONNECTION					
		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	#6	M-5786	4	65	B-106	2	M-5786-H	4	90	B-106	4
	#4	M-5388	4	90	B-106	2	M-5388-H	4	150	B-106	4
	#2	M-537	4	90	B-106	2	M-537-H	4	150	B-106	4
	#1	M-538	4	90	B-106	2	M-538-H	4	150	B-106	4
	1/0	M-539	4	90	B-106	2	M-539-H	4	150	B-106	4
	2/0	M-540	4	90	B-106	2	M-540-H	4	150	B-106	2
	3/0	M-541	4	115	B-106	2	M-541-H	4	200	B-106	4
	4/0	M-542	4	115	B-106	2	M-542-H	4	200	B-106	2
	250 MCM	M-543	4	150	B-106	2	M-543-H	4	250	B-106	4
	300 MCM	M-544	4	200	B-106	4	M-544-H	4	2-150	B-106	4
5/8"	#6	M-5815	4	65	B-106	2	M-5815-H	4	115	B-106	4
	#4	M-5915	4	90	B-106	2	M-5915-H	4	150	B-106	4
	#2	M-545	4	90	B-106	SDS	M-545-H	4	150	B-106	2
	#1	M-546	4	90	B-106	2	M-546-H	4	150	B-106	2
	1/0	M-547	4	90	B-106	SDS	M-547-H	4	150	B-106	2
	2/0	M-548	4	115	B-106	SDS	M-548-H	4	200	B-106	2
	3/0	M-549	4	115	B-106	SDS	M-549-H	4	200	B-106	2
	4/0	M-550	4	115	B-106	SDS	M-550-H	4	200	B-106	2
	250 MCM	M-551	4	150	B-106	2	M-551-H	4	250	B-106	4
	300 MCM	M-552	4	200	B-106	2	M-552-H	5	2-150	B-107	4
	350 MCM	M-553	4	200	B-106	2	M-553-H	5	2-150	B-107	4
	500 MCM	M-555	4	250	B-106	2	M-555-H	5	2-200	B-107	2

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix “-N” to mold number.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

NOTES

1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix “-N” is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix “-T” is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.



Cable to Ground Rod Exothermic Weld Video:
link: <https://youtu.be/bBnbB3flux0>

CR-2

TYPE MOLDS

**Horizontal Cable to Ground Rod
For AWG Conductors**

MOLDS FOR AWG CONDUCTORS											
Ground Rod Size	Cable Size	STANDARD CONNECTION				HEAVY DUTY CONNECTION					
		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
3/4"	#6	M-5787	4	65	B-106	2	M-5787-H	4	115	B-106	4
	#4	M-6201	4	90	B-106	2	M-6201-H	4	150	B-106	4
	#2	M-556	4	90	B-106	2	M-556-H	4	150	B-106	2
	#1	M-557	4	90	B-106	2	M-557-H	4	150	B-106	4
	1/0	M-558	4	115	B-106	2	M-558-H	4	200	B-106	2
	2/0	M-559	4	115	B-106	SDS	M-559-H	4	200	B-106	2
	3/0	M-560	4	115	B-106	SDS	M-560-H	4	200	B-106	4
	4/0	M-561	4	115	B-106	SDS	M-561-H	4	200	B-106	2
	250 MCM	M-562	4	150	B-106	2	M-562-H	4	250	B-106	2
	300 MCM	M-563	4	200	B-106	2	M-563-H	5	2-150	B-107	4
	350 MCM	M-564	4	200	B-106	2	M-564-H	5	2-150	B-107	4
	500 MCM	M-566	4	250	B-106	2	M-566-H	5	2-200	B-107	2
	750 MCM	M-567	5	2-200	B-107	2	M-567-H	5	3-200	B-107	4
1"	1/0	M-569	4	150	B-106	2	M-569-H	4	250	B-106	4
	2/0	M-570	4	150	B-106	2	M-570-H	4	250	B-106	4
	3/0	M-571	4	150	B-106	2	M-571-H	4	250	B-106	4
	4/0	M-572	4	150	B-106	2	M-572-H	4	250	B-106	2
	250 MCM	M-573	4	200	B-106	2	M-573-H	5	2-150	B-107	4
	300 MCM	M-574	4	200	B-106	4	M-574-H	5	2-150	B-107	4
	350 MCM	M-575	4	200	B-106	2	M-575-H	5	2-150	B-107	4
	500 MCM	M-577	4	250	B-106	2	M-577-H	5	2-200	B-107	4
	750 MCM	M-578	5	2-200	B-107	4	M-578-H	5	3-200	B-107	4
	1000 MCM	M-579	5	500	B-107	4	M-579-H	6	3-250	B-107	2

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix “-N” to mold number.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

NOTES

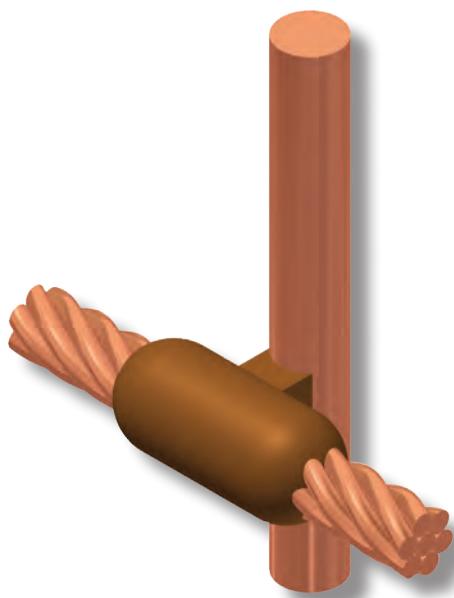
1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix “-N” is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix “-T” is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

Section 2 - Molds
AWG Conductors

CR-3**TYPE MOLDS**

*Horizontal Thru Cable to Ground Rod
For AWG Conductors*

Section 2 - Molds
AWG Conductors



MOLDS FOR AWG CONDUCTORS						
Ground Rod Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	#6	M-5321	24	65	B-106	4
	#4	M-2154	24	90	B-106	2
	#2	M-2155	24	90	B-106	2
	#1	M-2156	24	115	B-106	4
	1/0	M-1581	24	115	B-106	2
	2/0	M-1582	24	115	B-106	2
	4/0	M-1583	24	150	B-106	2
	250 MCM	M-1584	24	150	B-106	4
5/8"	#6	M-5660	24	65	B-106	2
	#4	M-2157	24	90	B-106	2
	#2	M-2158	24	90	B-106	2
	#1	M-2159	24	115	B-106	2
	1/0	M-1586	24	115	B-106	2
	2/0	M-1587	24	115	B-106	SDS
	4/0	M-1588	24	150	B-106	2
	250 MCM	M-1589	24	150	B-106	2
3/4"	500 MCM	M-1593	13	2-200	B-107	2
	#6	M-6630	24	65	B-106	2
	#4	M-2160	24	90	B-106	2
	#2	M-2161	24	90	B-106	2
	#1	M-2162	24	115	B-106	2
	1/0	M-1594	24	115	B-106	2
	2/0	M-1595	24	115	B-106	2
	4/0	M-1596	24	150	B-106	SDS
1"	250 MCM	M-1597	24	200	B-106	2
	500 MCM	M-1601	13	500	B-107	2
	750 MCM	M-1602	13	3-250	B-107	2
	#6	M-6906	24	90	B-106	4
1"	#4	M-2163	24	90	B-106	2
	#2	M-2164	24	90	B-106	2
	#1	M-2165	24	115	B-106	4
	1/0	M-1603	24	115	B-106	4
	2/0	M-1604	24	115	B-106	2
	4/0	M-1605	24	150	B-106	2
	250 MCM	M-1606	24	200	B-106	2
	500 MCM	M-1610	13	500	B-107	2
1"	750 MCM	M-1611	13	3-250	B-107	2

NOTES

1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

• **For sizes not listed, contact thermOweld®.**

- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools:
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0304-00 ~ File
38-0330-00 ~ Cable Clamp

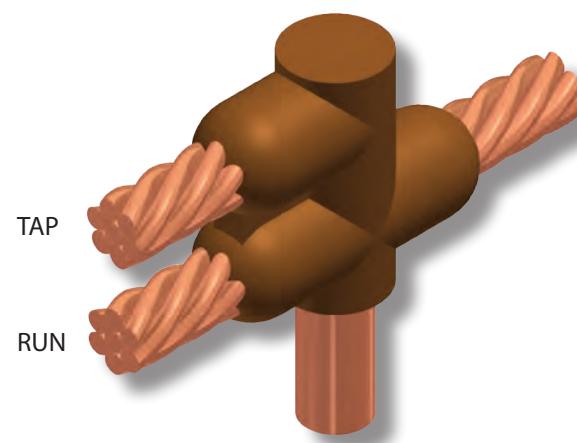
MOLDS FOR AWG CONDUCTORS						
Ground Rod Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	#4	M-5416	4	90	B-106	2
	#2	M-6165	4	90	B-106	2
	#1	M-5830	4	90	B-106	4
	1/0	M-5940	4	115	B-106	2
	2/0	M-5850	4	150	B-106	2
	3/0	M-5833	4	200	B-106	2
	4/0	M-5380	4	200	B-106	2
5/8"	#4	M-5972	4	90	B-106	2
	#2	M-5935	4	115	B-106	2
	#1	M-5699	4	115	B-106	2
	1/0	M-5746	4	150	B-106	2
	2/0	M-5963	4	200	B-106	2
	3/0	M-5734	4	250	B-106	2
	4/0	M-5732	4	250	B-106	2
3/4"	250 MCM	M-5722	5	2-150	B-107	2
	#4	M-5698	4	90	B-106	2
	#2	M-5294	4	115	B-106	2
	#1	M-5390	4	115	B-106	2
	1/0	M-6025	4	150	B-106	2
	2/0	M-5738	4	200	B-106	2
	3/0	M-6003	4	250	B-106	2
	4/0	M-2566	4	250	B-106	2
	250 MCM	M-5904	5	2-150	B-107	2
	300 MCM	M-5857	5	2-200	B-107	4
1"	350 MCM	M-5777	5	2-200	B-107	2
	500 MCM	M-5961	5	3-200	B-107	2
	#4	M-5556	4	115	B-106	4
	#2	M-5555	4	150	B-106	2
	#1	M-6048	4	150	B-106	4
	1/0	M-5992	4	200	B-106	4
	2/0	M-5877	4	250	B-106	4
	3/0	M-5821	5	2-150	B-107	4
	4/0	M-5820	5	2-150	B-107	2
	250 MCM	M-5807	5	2-200	B-107	4

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0304-00 ~ File
38-0330-00 ~ Cable Clamp

CR-17

TYPE MOLDS

Horizontal Run and Tap Cables to Ground Rod
For AWG Conductors



Section 2 - Molds
AWG Conductors

NOTES

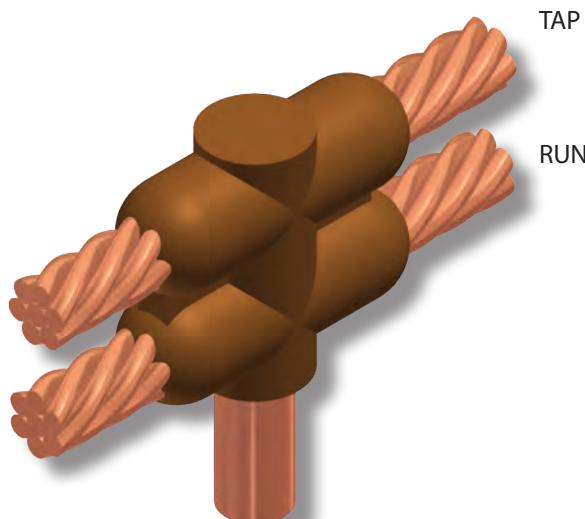
1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

CR-24

TYPE MOLDS

*Horizontal Parallel Run Cables to Ground Rod
For AWG Conductors*

Section 2 - Molds
AWG Conductors



MOLDS FOR AWG CONDUCTORS						
Ground Rod Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	#4	M-5640	4	115	B-106	4
	#2	M-5667	4	115	B-106	2
	#1	M-6002	4	115	B-106	4
	1/0	M-5767	4	150	B-106	2
	2/0	M-5604	4	200	B-106	2
	3/0	M-5560	4	250	B-106	4
	4/0	M-6766	4	250	B-106	4
	#4	M-6208	4	115	B-106	2
5/8"	#2	M-5702	4	150	B-106	2
	#1	M-5517	4	150	B-106	2
	1/0	M-5573	4	200	B-106	2
	2/0	M-8451	4	250	B-106	2
	3/0	M-2510	5	2-150	B-107	2
	4/0	M-5428	5	2-150	B-107	2
	250 MCM	M-1212	5	2-200	B-107	2
	300 MCM	M-2084	5	500	B-107	2
	350 MCM	M-2558	5	500	B-107	4
	500 MCM	M-2450	5	3-250	B-107	2
3/4"	#4	M-8011	4	115	B-106	2
	#2	M-2320	4	150	B-106	2
	#1	M-2235	4	150	B-106	2
	1/0	M-6051	4	200	B-106	2
	2/0	M-8802	4	250	B-106	2
	3/0	M-8726	5	2-150	B-107	2
	4/0	M-5677	5	2-150	B-107	2
	250 MCM	M-8461	5	2-200	B-107	2
	300 MCM	M-8428	5	500	B-107	4
	350 MCM	M-8294	5	500	B-107	4
	500 MCM	M-8214	5	3-250	B-107	4
	750 MCM	M-8027	6	2-500	B-107	2
	#4	M-5330	4	150	B-106	4
1"	#2	M-5332	4	200	B-106	4
	#1	M-5333	4	200	B-106	4
	1/0	M-5334	4	250	B-106	4
	2/0	M-5335	5	2-150	B-107	4
	3/0	M-5336	5	2-200	B-107	4
	4/0	M-5337	5	2-200	B-107	2
	250 MCM	M-5338	5	500	B-107	2
	300 MCM	M-5341	5	3-200	B-107	4
	350 MCM	M-5351	5	3-200	B-107	4
	500 MCM	M-5352	6	2-500	B-107	4

NOTES

1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

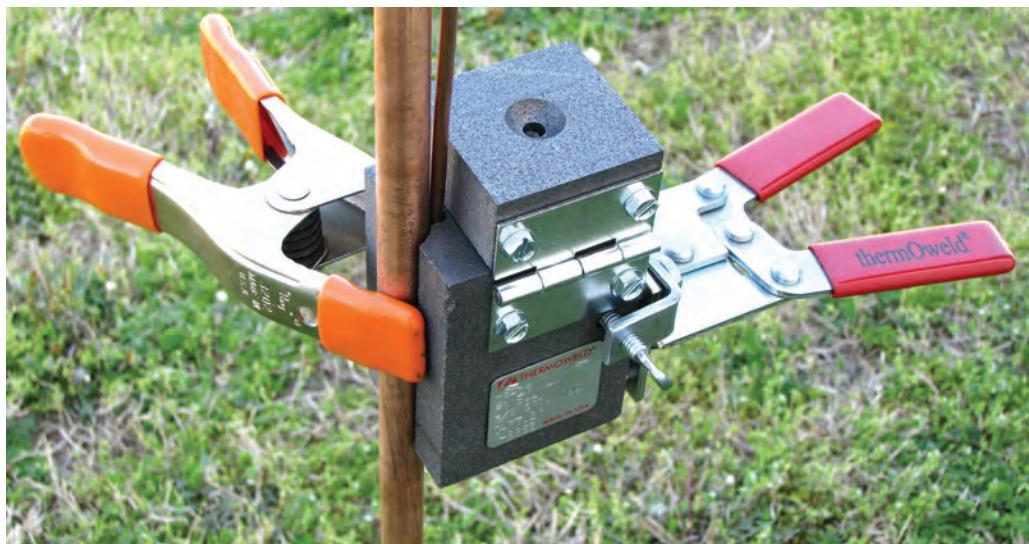
CR-18 KITS

CR-18 WIRE-TO-GROUND KITS

thermOweld® CR-18 Wire-to-Ground Kits are an economical way to make cable connections to a ground rod. The Kit's complete with everything required to make 60 connections. Included in the Starter Kits are (1) Mold complete with handle clamp, (1) spring handle clamp, (60) weld metal cartridges, (1) flint ignitor, (1) mold cleaner, (1) wire brush for cleaning the cable and ground rod, (1) mold cleaning brush and a metal tool box to keep everything in. Refill Kits come complete with (1) replacement mold and (60) weld metal cartridges.



Section 2 - Molds
AWG Conductors



CR-18 WIRE-TO-GROUND KIT			
Kit #	Ground Rod Size	Cable Size	Description
38-6662-01	1/2"	#6 Sol	Starter Kit †
38-6662-11		#6 Sol	Refill Kit with (1) Mold M-10356-GS & (60) #25 weld metal
38-6662-02		#4 Sol	Starter Kit †
38-6662-12		#4 Sol	Refill Kit with (1) Mold M-10358-GS & (60) #25 weld metal
38-6662-03	5/8"	#6 Sol	Starter Kit †
38-6662-13		#6 Sol	Refill Kit with (1) Mold M-10357-GS & (60) #25 weld metal
38-6662-04		#4 Sol	Starter Kit †
38-6662-14		#4 Sol	Refill Kit with (1) Mold M-10359-GS & (60) #25 weld metal
38-6662-05	3/4"	#6 Sol	Starter Kit †
38-6662-15		#6 Sol	Refill Kit with (1) Mold M-10355-GS & (60) #25 weld metal
38-6662-00		#4 Sol	Starter Kit †
38-6662-10		#4 Sol	Refill Kit with (1) Mold M-9962-GS & (60) #25 weld metal

† Starter Kits include (1) mold with handle clamp, (1) spring handle clamp, (60) weld metal cartridges, (1) flint ignitor, (1) mold cleaner, (1) wire brush and (1) mold cleaning brush all in a tool box.

RR-1**TYPE MOLDS***Ground Rod to Ground Rod*

Section 2 - Molds
 AWG Conductors

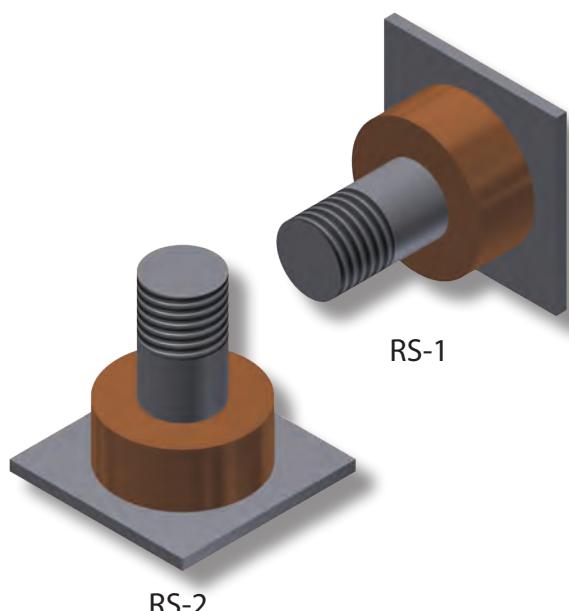


Ground Rod Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	M-581-H	4	250	B-106	2
5/8"	M-582-H	5	2-150	B-107	2
3/4"	M-583-H	5	2-200	B-107	2
1"	M-584-H	6	3-250	B-107	2

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0304-00 ~ File

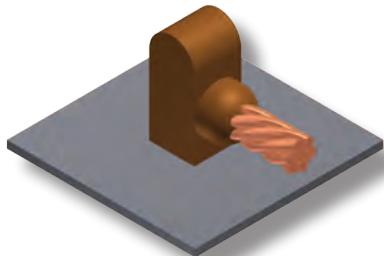
NOTES

1. .475" actual diameter. For full 1/2" (.500) ground rod and roll-threaded rod, add suffix "-N" to mold number, i.e. M-581-HN is full 1/2" diameter ground rod or roll-threaded rod to 4/0 Str cable.
2. .563" actual diameter. For full 5/8" (.625) ground rod and roll-threaded rod, add suffix "-N" to mold number, i.e. M-582-HN is full 5/8" diameter ground rod or roll-threaded rod to 4/0 Str cable.
3. .682" actual diameter. For full 3/4" (.750) ground rod and roll-threaded rod, add suffix "-N" to mold number, i.e. M-583-HN is full 3/4" diameter ground rod or roll-threaded rod to 4/0 Str. cable.
4. .914" actual diameter. For full 1" (1.00) ground rod and roll-threaded rod, add suffix "-N" to mold number, i.e. M-584-HN is full 1" diameter ground rod or roll-threaded rod to 4/0 Str. cable.

RS-1/RS-2**TYPE MOLDS***Horizontal and Vertical Stud to Steel*

Stud Size	Type RS-1	Type RS-2	Price Key	Weld Metal	Handle Clamps	Lead Time
1/4"	M-1880	M-1886	4	25	B-106	2
5/16"	M-1881	M-1887	4	25	B-106	4
3/8"	M-1882	M-1888	4	45	B-106	2
1/2"	M-1883	M-1889	4	65	B-106	2
3/4"	M-1884	M-1890	4	150	B-106	2
1"	M-1885	M-1891	4	250	B-106	2

- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- Molds for copper studs available, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0101-00 ~ Rasp



CS-1

TYPE MOLDS

Horizontal Cable to Horizontal Steel Surface

For AWG Conductors

Note that the cable is **OFF** the surface

MOLDS FOR AWG CONDUCTORS										
Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/0	M-644	4	90	B-106	2	M-644-H	4	150	B-106	2
2/0	M-645	4	90	B-106	2	M-645-H	4	150	B-106	2
3/0	M-646	4	115	B-106	2	M-646-H	4	200	B-106	2
4/0	M-647	4	115	B-106	SDS	M-647-H	4	200	B-106	2
250 MCM	M-648	4	115	B-106	2	M-648-H	4	200	B-106	2
300 MCM	M-649	4	150	B-106	2	M-649-H	4	250	B-106	2
350 MCM	M-650	4	200	B-106	2	M-650-H	5	2-150	B-107	4
500 MCM	M-652	4	200	B-106	2	M-652-H	5	2-150	B-107	2
750 MCM	M-653	5	2-150	B-107	2	M-653-H	5	500	B-107	4
1000 MCM	M-654	5	2-200	B-107	4	M-654-H	5	3-200	B-107	4

Section 2 - Molds
AWG Conductors

MOLDS FOR AWG CONDUCTORS					
Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6	M-628	3†	45	Included	2
#4	M-629	3†	45	Included	2
#2	M-630	3†	45	Included	2
#2	M-630-S	3†	45	Included	SDS
#1	M-631	3†	65	Included	2
1/0	M-7146	4	90	B-106	2
2/0	M-7075	4	90	B-106	2
3/0	M-2199	4	115	B-106	2
4/0	M-6114	4	115	B-106	2
250 MCM	M-2200	4	115	B-106	2
300 MCM	M-2506	4	150	B-106	2
350 MCM	M-2507	4	200	B-106	2
500 MCM	M-2509	4	200	B-106	2
750 MCM	M-2542	5	2-150	B-107	2
1000 MCM	M-2511	5	2-200	B-107	4

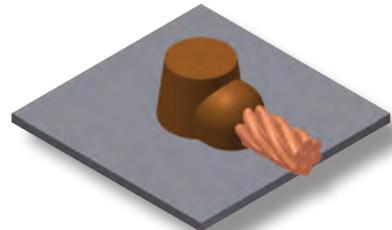
CS-8

TYPE MOLDS

Horizontal Cable to Horizontal Steel Surface

For AWG Conductors.

Note that the cable is **ON** the surface



- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3, CS-8 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 1/0 & Larger Molds (CS-8 Molds Only)

Welding to Horizontal Pipe: To weld to horizontal pipe, add pipe size to mold number. Example: To weld 4/0 str cable to 6" horizontal pipe, the mold number would be M-647-6. To weld #1 cable or smaller to pipe 14" and larger, use flat surface mold. For 1/0 cable and larger, use flat surface mold only on pipe 30" and larger.

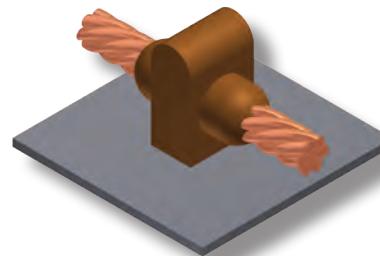
CS-2

TYPE MOLDS

Horizontal Thru Cable to Horizontal Steel Surface

For AWG Conductors

Note that the cable is **OFF** the surface



MOLDS FOR AWG CONDUCTORS										
Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	
1/0	M-616	4	90	B-106	2	M-616-H	4	150	B-106	4
2/0	M-617	4	115	B-106	2	M-617-H	4	200	B-106	4
3/0	M-618	4	115	B-106	2	M-618-H	4	200	B-106	4
4/0	M-619	4	150	B-106	2	M-619-H	4	250	B-106	2
250 MCM	M-620	4	150	B-106	2	M-620-H	4	250	B-106	4
300 MCM	M-621	4	200	B-106	2	M-621-H	5	2-150	B-107	4
350 MCM	M-622	4	250	B-106	4	M-622-H	5	2-200	B-107	4
500 MCM	M-624	5	2-150	B-107	2	M-624-H	5	500	B-107	4
750 MCM	Use Heavy Duty Connection					M-625-H	5	3-250	B-107	4
1000 MCM						M-626-H	5	2-500	B-107	4

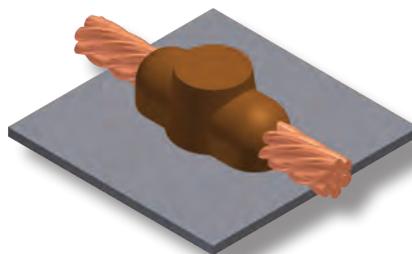
CS-9

TYPE MOLDS

Horizontal Thru Cable to Horizontal Steel Surface

For AWG Conductors

Note that the cable is **ON** the surface



MOLDS FOR AWG CONDUCTORS						
Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
#6	M-602	3†	45	Included	2	
#4	M-603	3†	45	Included	2	
#2	M-604	3†	45	Included	2	
#1	M-605	3†	65	Included	4	
1/0	M-8379	4	90	B-106	2	
2/0	M-5331	4	115	B-106	2	
3/0	M-8381	4	115	B-106	2	
4/0	M-7192	4	150	B-106	2	
250 MCM	M-8413	4	150	B-106	2	
300 MCM	M-8423	4	200	B-106	4	
350 MCM	M-8410	4	250	B-106	4	
500 MCM	M-5065	5	2-150	B-107	2	

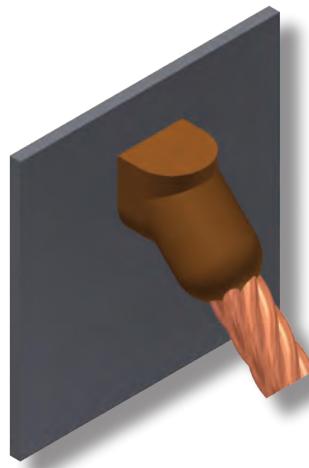
- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3, CS-9 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 1/0 & Larger Molds (CS-9 Molds Only)

Welding to Horizontal Pipe: To weld to horizontal pipe, add pipe size to mold number. Example: To weld 4/0 str cable to 6" horizontal pipe, the mold number would be M-619-6. To weld #1 cable or smaller to pipe 14" and larger, use flat surface mold. For 1/0 cable and larger, use flat surface mold only on pipe 30" and larger.

CS-3

TYPE MOLDS

*Angular Cable Drop to Vertical Steel Surface
For AWG Conductors*



Section 2 - Molds
AWG Conductors

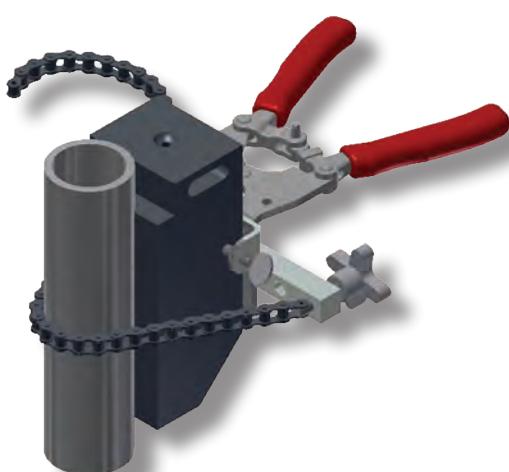
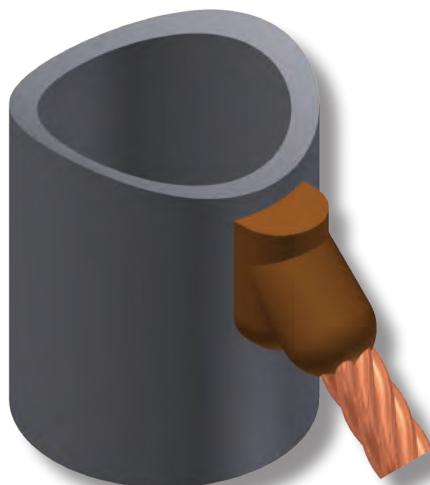
Cable Size	MOLDS FOR AWG CONDUCTORS									
	STANDARD CONNECTION			HEAVY DUTY CONNECTION						
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6	M-585	4	45	B-106	2	M-585-H	4	65	B-106	2
#4	M-586	4	45	B-106	2	M-586-H	4	65	B-106	2
#2	M-588	4	45	B-106	SDS	M-588-H	4	90	B-106	2
#1	M-589	4	65	B-106	2	M-589-H	4	115	B-106	2
1/0	M-590	4	90	B-106	SDS	M-590-H	4	150	B-106	2
2/0	M-591	4	90	B-106	SDS	M-591-H	4	150	B-106	2
3/0	M-592	4	115	B-106	2	M-592-H	4	200	B-106	4
4/0	M-593	4	115	B-106	SDS	M-593-H	4	200	B-106	2
250 MCM	M-594	4	115	B-106	2	M-594-H	4	200	B-106	2
300 MCM	M-595	4	150	B-106	2	M-595-H	4	250	B-106	4
350 MCM	M-596	4	200	B-106	2	M-596-H	4	250	B-106	4
500 MCM	M-598	4	200	B-106	2	M-598-H	5	2-150	B-107	2
750 MCM	M-599	5	2-150	B-107	2	M-599-H	5	500	B-107	4
1000 MCM	M-600	5	2-200	B-107	2	M-600-H	5	3-200	B-107	4

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0106-32 ~ Vertical Chain Clamp w/ B-106 Handles
 - 40-0107-32 ~ Vertical Chain Clamp w/ B-107 Handles
 - 40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp

CS-3**TYPE MOLDS**

Angular Cable Drop to Vertical Steel Pipe
For AWG Conductors

Section 2 - Molds
AWG Conductors



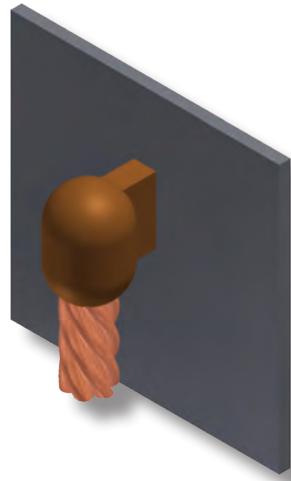
Use 40-0106-32 Vertical Chain Clamps
to help hold mold to pipe

MOLDS FOR AWG CONDUCTORS						
Cable Size	Pipe Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#4	1 1/4" to 4"	M-2476	4	45	B-106	2
	4" to 6"	M-2477	4	45	B-106	2
	6" to 10"	M-2478	4	45	B-106	2
	12" & up	M-586 ‡	4	45	B-106	2
#2 Sol	1 1/4" to 4"	M-9233-S	4	45	B-106	SDS
	4" to 6"	M-2480-S	4	45	B-106	2
	6" to 10"	M-2583-S	4	45	B-106	2
	12" & up	M-588-S ‡	4	45	B-106	SDS
#2	1 1/4" to 4"	M-9233	4	45	B-106	SDS
	4" to 6"	M-2480	4	45	B-106	2
	6" to 10"	M-2583	4	45	B-106	2
	12" & up	M-588 ‡	4	45	B-106	SDS
#1	1 1/4" to 4"	M-2482	4	65	B-106	2
	4" to 6"	M-2483	4	65	B-106	2
	6" to 10"	M-2484	4	65	B-106	2
	12" & up	M-589 ‡	4	65	B-106	2
1/0	1 1/4" to 4"	M-2486	4	90	B-106	2
	4" to 6"	M-2487	4	90	B-106	2
	6" to 10"	M-2488	4	90	B-106	2
	12" & up	M-590 ‡	4	90	B-106	SDS
2/0	1 1/4" to 4"	M-8833	4	90	B-106	SDS
	4" to 6"	M-2490	4	90	B-106	2
	6" to 10"	M-2491	4	90	B-106	2
	12" & up	M-591 ‡	4	90	B-106	SDS
3/0	1 1/4" to 4"	M-2493	4	115	B-106	2
	4" to 6"	M-2494	4	115	B-106	2
	6" to 10"	M-2495	4	115	B-106	2
	12" & up	M-592 ‡	4	115	B-106	2
4/0	1 1/4" to 4"	M-9021	4	115	B-106	SDS
	4" to 6"	M-2497	4	115	B-106	2
	6" to 10"	M-2498	4	115	B-106	2
	12" & up	M-593 ‡	4	115	B-106	SDS

- **For sizes not listed, contact thermOweld®.**
 - Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
 - For molds with wear plates, see page 6-131.
 - For expedited service, contact thermOweld®.
 - To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
 - Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
 - 40-0106-32 ~ Vertical Chain Clamp w/ B-106 Handles for 4" Pipe & smaller
 - 40-0106-27 ~ 20" Chain Extension for 4" to 10" Pipe
Use (2) 20" Chain Extensions for pipe sizes between 10" and 16"
 - 40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
- ‡ Flat Surface Mold

CS-23

TYPE MOLDS

*Vertical Cable Drop to Vertical Steel Surface**For AWG Conductors*Note that the cable is **OFF** the surfaceSection 2 - Molds
AWG Conductors

MOLDS FOR AWG CONDUCTORS										
Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6	M-5389	4	45	B-106	2	M-5389-H	4	90	B-106	4
#4	M-5359	4	65	B-106	2	M-5359-H	4	115	B-106	2
#2	M-2781	4	65	B-106	2	M-2781-H	4	115	B-106	2
#2 Sol	M-2781-S	4	65	B-106	SDS	M-2781-HS	4	115	B-106	2
#1	M-5361	4	90	B-106	4	M-5361-H	4	150	B-106	4
1/0	M-2189	4	115	B-106	2	M-2189-H	4	200	B-106	2
2/0	M-2540	4	115	B-106	SDS	M-2540-H	4	200	B-106	2
3/0	M-5362	4	150	B-106	2	M-5362-H	4	250	B-106	2
4/0	M-8718	4	150	B-106	SDS	M-8718-H	4	250	B-106	2
250 MCM	M-8165	4	200	B-106	2	M-8165-H	17	2-150	B-106	4
300 MCM	M-5363	4	200	B-106	2	M-5363-H	17	2-150	B-106	2
350 MCM	M-9029	4	250	B-106	2	M-9029-H	5	2-200	B-107	4
500 MCM	M-8512	17	2-150	B-106	2	M-8512-H	6	500	B-107	2

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0106-32 ~ Vertical Chain Clamp w/ B-106 Handles for 4" Pipe & smaller
 - 40-0106-27 ~ 20" Chain Extension for 4" to 10" Pipe
 - Use (2) 20" Chain Extensions for pipe sizes between 10" and 16"
 - 40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp

CS-23

TYPE MOLDS

Vertical Cable Drop to Vertical Steel Pipe

For AWG Conductors

Note that the cable is **OFF** the surface

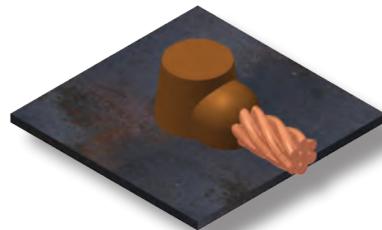
Section 2 - Molds
AWG Conductors



Use 40-0106-32 Vertical Chain Clamps
to help hold mold to pipe

MOLDS FOR AWG CONDUCTORS							
Cable Size	Pipe Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
#4	1 1/4" to 4"	M-8591	4	65	B-106	2	
	4" to 6"	M-10521	4	65	B-106	4	
	6" to 10"	M-10523	4	65	B-106	4	
	12" & up	M-10524 ‡	4	65	B-106	4	
#2 Sol	1 1/4" to 4"	M-6199-S	4	65	B-106	SDS	
	4" to 6"	M-10528-S	4	65	B-106	4	
	6" to 10"	M-10529-S	4	65	B-106	4	
	12" & up	M-10530-S ‡	4	65	B-106	4	
#2	1 1/4" to 4"	M-6199	4	65	B-106	4	
	4" to 6"	M-10528	4	65	B-106	4	
	6" to 10"	M-10529	4	65	B-106	2	
	12" & up	M-10530 ‡	4	65	B-106	2	
#1	1 1/4" to 4"	M-10531	4	90	B-106	2	
	4" to 6"	M-10532	4	90	B-106	4	
	6" to 10"	M-10533	4	90	B-106	4	
	12" & up	M-10534 ‡	4	90	B-106	4	
1/0	1 1/4" to 4"	M-10535	4	115	B-106	2	
	4" to 6"	M-1147	4	115	B-106	4	
	6" to 10"	M-10536	4	115	B-106	2	
	12" & up	M-10537 ‡	4	115	B-106	4	
2/0	1 1/4" to 4"	M-10538	4	115	B-106	2	
	4" to 6"	M-10539	4	115	B-106	4	
	6" to 10"	M-10540	4	115	B-106	4	
	12" & up	M-10541 ‡	4	115	B-106	4	
4/0	1 1/4" to 4"	M-5622	4	150	B-106	2	
	4" to 6"	M-7381	4	150	B-106	2	
	6" to 10"	M-10365	4	150	B-106	2	
	12" & up	M-10542 ‡	4	150	B-106	4	

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0106-32 ~ Vertical Chain Clamp w/ B-106 Handles for 4" Pipe & smaller
40-0106-27 ~ 20" Chain Extension for 4" to 10" Pipe
Use (2) 20" Chain Extensions for pipe sizes between 10" and 16"
40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp
- ‡ Flat Surface Mold



CS-5

TYPE MOLDS

Horizontal Cable Tap to Horizontal Cast Iron Surface

For AWG Conductors

Note that the cable is **ON** the surface

MOLDS FOR AWG CONDUCTORS

Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6 Sol	M-1613	3†	25Cl	Included	2
#6	M-1614	3†	25Cl	Included	2
#4 Sol	M-1615	3†	45Cl	Included	2
#4	M-1616	3†	45Cl	Included	2
#2 Sol	M-1617	3†	45Cl	Included	2
#2	M-1618	3†	45Cl	Included	2
#1 Sol	M-1619	3†	65Cl	Included	4
#1	M-1620	3†	65Cl	Included	4

DO NOT use Type CS-5 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

Welding to Horizontal Pipe: To weld to horizontal cast iron pipe, add pipe size to mold number. Example: To weld #1 STR cable to 6" horizontal cast iron pipe, the mold number would be M-1620-6. To weld #1 cable or smaller to pipe 14" and larger, use flat surface mold.

Section 2 - Molds
AWG Conductors

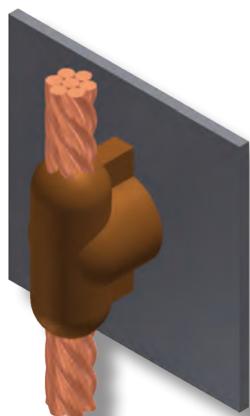
CS-4

TYPE MOLDS

Vertical Thru Cable to Vertical Steel Surface

For AWG Conductors

Note that the cable is **OFF** the surface



Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6	M-1215	4	90	B-106	2	M-1215-H	17	200	B-106	4
#4	M-1216	4	90	B-106	2	M-1216-H	17	200	B-106	4
#2	M-1218	4	115	B-106	2	M-1218-H	17	250	B-106	4
#1	M-1219	4	115	B-106	2	M-1219-H	17	250	B-106	4
1/0	M-1220	17	200	B-106	2	M-1220-H	6	2-200	B-107	4
2/0	M-1221	17	200	B-106	2	M-1221-H	6	2-200	B-107	2
3/0	M-1222	17	250	B-106	2	M-1222-H	6	500	B-107	4
4/0	M-1223	17	250	B-106	2	M-1223-H	6	500	B-107	2
250 MCM	M-1224	17	250	B-106	2	M-1224-H	6	500	B-107	4
300 MCM	Use Heavy Duty Molds					M-1225-H	6	500	B-107	2
350 MCM	Use Heavy Duty Molds					M-1226-H	6	3-200	B-107	2
500 MCM	Use Heavy Duty Molds					M-1228-H	6	3-250	B-107	2

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (CS-5 Mold Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 1/0 & Larger Molds (CS-5 Molds Only)

Welding to Vertical Pipe: To weld to vertical pipe, add pipe size to mold number. Example: To weld 4/0 str cable to 6" vertical pipe, the mold number would be M-1223-V6. To weld #1 cable or smaller to pipe 14" and larger, use flat surface mold. For 1/0 cable and larger, use flat surface mold only on pipe 30" and larger.

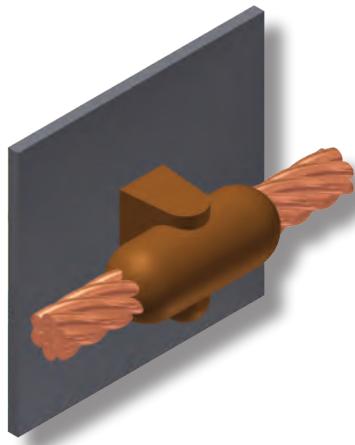
CS-6

TYPE MOLDS

Horizontal Thru Cable to Vertical Steel Surface

For AWG Conductors

Note that the cable is OFF the surface



Section 2 - Molds
AWG Conductors

MOLDS FOR AWG CONDUCTORS					
Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6	M-1626	4	65	B-106	2
#4	M-1627	4	65	B-106	2
#2	M-1628	4	65	B-106	2
#1	M-1629	4	90	B-106	2
1/0	M-1630	4	115	B-106	2
2/0	M-1631	4	115	B-106	2
3/0	M-1632	4	150	B-106	2
4/0	M-1633	4	150	B-106	2
250 MCM	M-1634	4	150	B-106	2

Welding to Vertical Pipe: To weld to vertical pipe, add pipe size to mold number. Example: To weld 4/0 str cable to 6" vertical pipe, the mold number would be M-1633-V6. To weld #1 cable or smaller to pipe 14" and larger, use flat surface mold. For 1/0 cable and larger, use flat surface mold only on pipe 30" and larger.

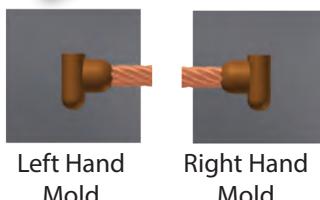
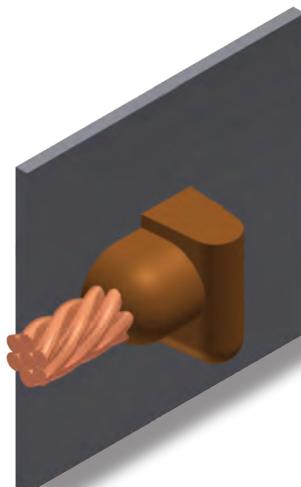
CS-18

TYPE MOLDS

Horizontal Tap Cable to Vertical Steel Surface

For AWG Conductors

Note that the cable is ON the surface



Welding to Horizontal Pipe: To weld to horizontal pipe, add pipe size to mold number. Example: To weld 4/0 str cable to 6" horizontal pipe, the mold number would be M-9253-L6.

MOLDS FOR AWG CONDUCTORS					
Cable Size	Mold #†	Price Key	Weld Metal	Handle Clamps	Lead Time
#6	M-5910	4	45	B-106	2
#4	M-2761	4	45	B-106	2
#2	M-2569	4	45	B-106	2
#1	M-6060	4	65	B-106	2
1/0	M-5419	4	90	B-106	2
2/0	M-2567	4	90	B-106	2
3/0	M-6072	4	115	B-106	2
4/0	M-9253	4	115	B-106	2
250 MCM	M-2568	4	115	B-106	2
300 MCM	M-6061	4	150	B-106	4
350 MCM	M-6067	4	200	B-106	2
500 MCM	M-8359	4	200	B-106	2

† Add (-R) to mold number for right hand mold or (-L) for left hand mold. Right hand (-R) mold will be furnished if not specified.

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15~#65 (CS-6 Molds Only)
40-0319-03 ~ Mold Cleaner for cartridge sizes #90~#500 (CS-6 Molds Only)
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp
38-4129-00 ~ Packing Material for 1/0 & Larger Molds (CS-18 Molds Only)

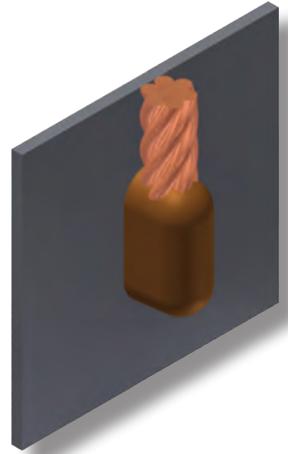
CS-7

TYPE MOLDS

Overhead Vertical Tap Cable to Vertical SteelSurface

For AWG Conductors

Note that the cable is **ON** the surface



Section 2 - Molds
AWG Conductors

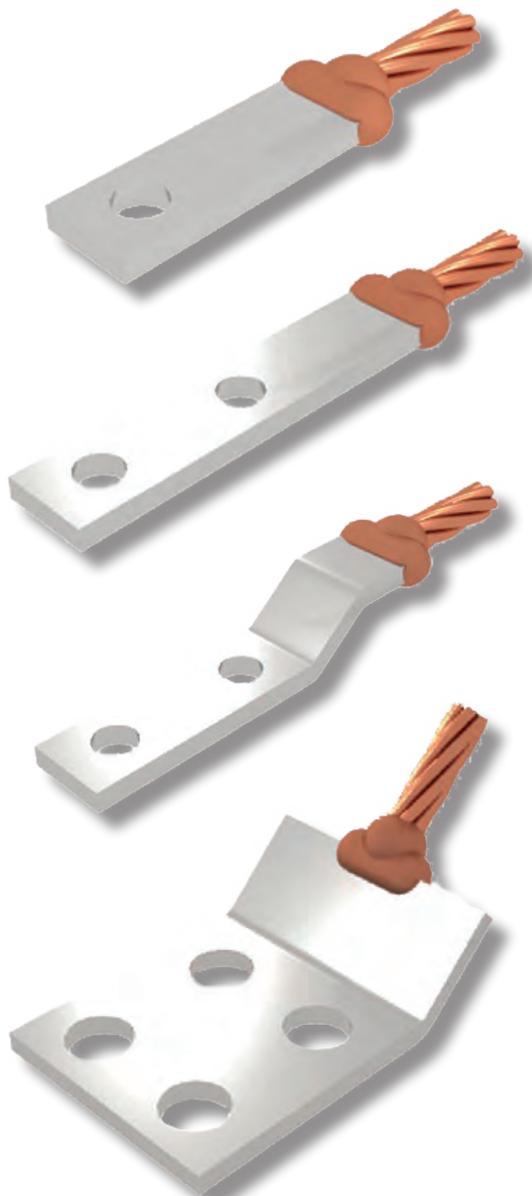
MOLDS FOR AWG CONDUCTORS												
Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION						
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time		
#6	M-1635	4	65	B-106	2			M-1635-H	4	90	B-106	4
#4	M-1636	4	65	B-106	2			M-1636-H	4	115	B-106	2
#2	M-1638	4	65	B-106	2			M-1638-H	4	115	B-106	2
#2 SOL	M-1638-S	4	65	B-106	2			M-1638-HS	4	115	B-106	2
#1	M-1639	4	90	B-106	2			M-1639-H	4	150	B-106	4
1/0	M-1640	4	150	B-106	2			M-1640-H	17	200	B-106	4
2/0	M-1641	4	150	B-106	2			M-1641-H	17	200	B-106	2
3/0	M-1642	17	200	B-106	2			M-1642-H	17	250	B-106	4
4/0	M-1643	17	200	B-106	2			M-1643-H	17	250	B-106	2
250 MCM	M-1644	17	200	B-106	2			M-1644-H	6	2-150	B-107	4
300 MCM	M-1645	17	250	B-106	4			M-1645-H	6	2-200	B-107	4
350 MCM	M-1646	6	2-150	B-107	2			M-1646-H	6	500	B-107	4
500 MCM	M-1648	6	2-200	B-107	2			M-1648-H	6	3-200	B-107	4
750 MCM	M-1649	6	500	B-107	2	Not Available						
1000 MCM	M-1650	6	3-200	B-107	2	Not Available						

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp

Welding to Vertical Pipe: To weld to vertical pipe, add pipe size to mold number. Example: To weld 4/0 str cable to 6" vertical pipe, the mold number would be M-1643-V6. To weld #1 cable or smaller to pipe 14" and larger, use flat surface mold. For 1/0 cable and larger, use flat surface mold only on pipe 30" and larger.

CB-1**TYPE MOLDS***Horizontal Cable Tap to Horizontal Lug or Bus**For AWG Conductors*

Section 2 - Molds
AWG Conductors



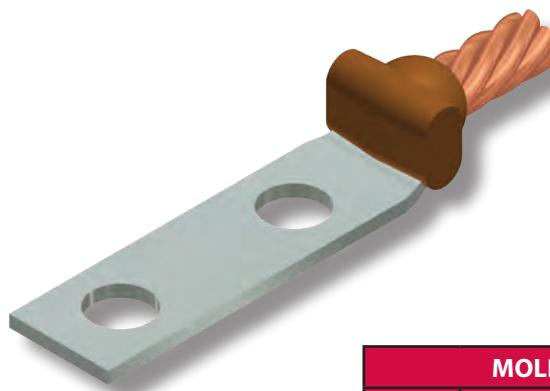
Examples of connections with available lug configurations.
See pages 8-184 and 8-185 for Lug part numbers.

MOLDS FOR AWG CONDUCTORS						
Cable Size	Lug Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#8	1/16 X 1/2	M-966	4	15	B-106	4
	1/8 X 1	M-967	4	45	B-106	2
#6	1/16 X 1/2	M-968	4	15	B-106	4
	1/8 X 1	M-969	4	45	B-106	2
#4	1/8 X 9/16	M-970	4	25	B-106	2
	1/8 X 1	M-971	4	45	B-106	2
#2	1/8 X 5/8	M-974	4	32	B-106	2
	1/8 X 1	M-975	4	45	B-106	2
#1	1/8 X 5/8	M-976	4	32	B-106	4
	1/8 X 1	M-977	4	45	B-106	2
1/0	1/8 X 1	M-978	4	45	B-106	2
	1/4 X 1	M-979	4	65	B-106	2
2/0	1/8 X 1	M-980	4	65	B-106	2
	1/4 X 1	M-981	4	65	B-106	2
3/0	3/16 X 1	M-982	4	90	B-106	2
	1/4 X 1	M-983	4	90	B-106	2
4/0	3/16 X 1	M-984	4	90	B-106	2
	1/4 X 1	M-985	4	90	B-106	2
	1/4 X 1-1/4	M-986	4	90	B-106	2
	1/4 X 1-1/2	M-987	4	90	B-106	2
	1/4 X 3	M-1915	4	90	B-106	2
250 MCM	1/4 X 1	M-988	4	90	B-106	2
	1/4 X 1-1/4	M-989	4	90	B-106	4
	1/4 X 1-1/2	M-990	4	90	B-106	2
	1/4 X 3	M-1916	4	90	B-106	2
300 MCM	1/4 X 1	M-991	4	90	B-106	2
	1/4 X 1-1/4	M-992	4	90	B-106	4
	1/4 X 1-1/2	M-993	4	90	B-106	2
	1/4 X 3	M-1917	4	90	B-106	4
350 MCM	1/4 X 1	M-994	4	115	B-106	2
	1/4 X 1-1/4	M-995	4	115	B-106	2
	1/4 X 3	M-1918	4	115	B-106	4
500 MCM	1/4 X 1-1/2	M-1001	4	200	B-106	2
	1/4 X 2	M-1002	4	200	B-106	2
	1/4 X 3	M-1920	4	200	B-106	2
	3/8 X 1	M-1003	4	200	B-106	4
	3/8 X 1-1/2	M-1004	4	200	B-106	2
	3/8 X 2	M-1005	5	2-150	B-107	4
750 MCM	1/4 X 2	M-1006	5	2-150	B-107	2
	3/8 X 1-1/2	M-1007	5	2-150	B-107	2
	3/8 X 2	M-1008	5	2-150	B-107	2
	3/8 X 3	M-1921	5	2-150	B-107	4
1000 MCM	3/8 X 2	M-1009	5	2-200	B-107	4
	3/8 X 3	M-1922	5	2-200	B-107	4
	7/16 X 2	M-1010	5	2-200	B-107	4
	1/2 X 2	M-1011	5	500	B-107	2

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For molds with wear plates, see page 6-131.
- For heavy duty connections or molds with wear plates, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles), 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush, 38-0135-00 ~ Cable Cleaning Brush

CB-33**TYPE MOLDS****Horizontal Cable Tap to Horizontal Lug or Bus**

For AWG Conductors



See page 8-186 for Lug part numbers.

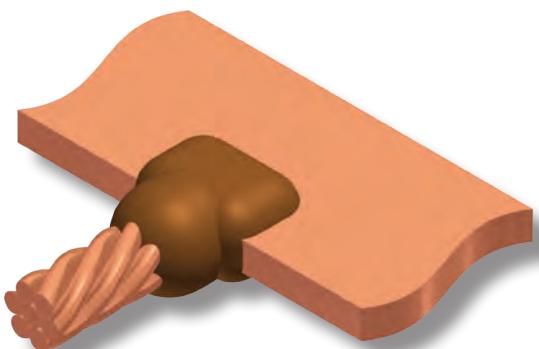
MOLDS FOR AWG CONDUCTORS						
Cable Size	Lug Size (See Lugs Below)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#4	1/8 X 1	M-2035	4	32	B-106	2
#2 Sol	1/8 X 1	M-2036-S	4	32	B-106	2
#2	1/8 X 1	M-2036	4	32	B-106	2
#1	1/8 X 1	M-2037	4	32	B-106	2
1/0	1/8 X 1	M-2038	4	45	B-106	2
2/0	1/8 X 1	M-2039	4	45	B-106	2
4/0	3/16 X 1	M-2041	4	65	B-106	2
250 MCM	3/16 X	M-2042	4	65	B-106	2
300 MCM	1/4 X 1	M-2043	4	90	B-106	2
350 MCM	1/4 X 1	M-2044	4	90	B-106	4
500 MCM	1/4 X 1-1/2	M-2045	4	150	B-106	2

Section 2 - Molds
AWG Conductors

- For sizes not listed, contact thermOweld®.
- For heavy duty connections or molds with wear plates, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush

CB-4**TYPE MOLDS***Horizontal Cable Tap to Horizontal Bus**For AWG Conductors*

Section 2 - Molds
AWG Conductors



MOLDS FOR AWG CONDUCTORS						
Bus Bar Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/4 X 1-1/2 & WIDER	#2	M-5415	4	65	B-106	2
	#2 Sol	M-5415-S	4	65	B-106	SDS
	1/0	M-1651	4	90	B-106	2
	2/0	M-1652	4	90	B-106	2
	3/0	M-1653	4	90	B-106	2
	4/0	M-1654	4	90	B-106	2
	250 MCM	M-1655	4	115	B-106	2
	300 MCM	M-1656	4	115	B-106	2
	350 MCM	M-1657	4	150	B-106	2
	500 MCM	M-1659	4	200	B-106	2
3/8 X 1-1/2 & WIDER	1/0	M-1660	4	90	B-106	2
	2/0	M-1661	4	90	B-106	2
	3/0	M-1662	4	115	B-106	2
	4/0	M-1663	4	115	B-106	2
	250 MCM	M-1664	4	150	B-106	4
	300 MCM	M-1665	4	150	B-106	4
	350 MCM	M-1666	4	200	B-106	4
	500 MCM	M-1668	4	250	B-106	2
	750 MCM	M-1669	5	2-150	B-107	2
	1000 MCM	M-1670	5	2-200	B-107	4
1/2 X 1-1/2 & WIDER	1/0	M-1671	4	115	B-106	2
	2/0	M-1672	4	115	B-106	2
	3/0	M-1673	4	150	B-106	2
	4/0	M-1674	4	150	B-106	2
	250 MCM	M-1675	4	200	B-106	4
	300 MCM	M-1676	4	200	B-106	4
	350 MCM	M-1677	4	250	B-106	2
	500 MCM	M-1679	5	2-150	B-107	2
	750 MCM	M-1680	5	2-200	B-107	4
	1000 MCM	M-1681	5	500	B-107	4

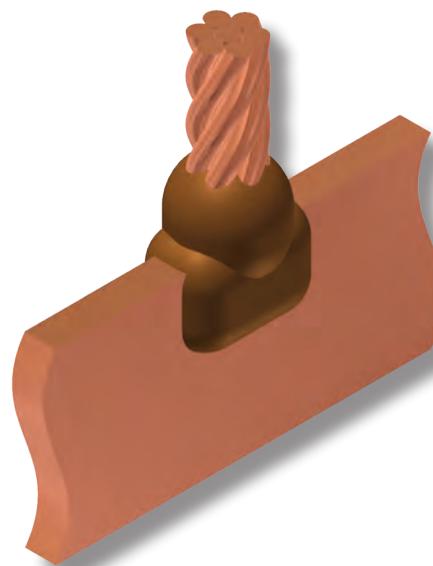
- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush

MOLDS FOR AWG CONDUCTORS						
Bus Bar Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 1	1/0	M-830	4	115	B-106	4
	2/0	M-831	4	115	B-106	4
	4/0	M-832	4	115	B-106	2
1/8 X 1-1/2 & WIDER	#2	M-7365	17	65	B-106	2
	1/0	M-833	4	115	B-106	2
	2/0	M-834	4	115	B-106	4
	4/0	M-835	4	115	B-106	2
	250 MCM	M-836	4	115	B-106	4
	300 MCM	M-837	4	150	B-106	4
	350 MCM	M-838	4	150	B-106	2
	#2	M-7167	17	90	B-106	4
1/4 X 1	1/0	M-839	4	150	B-106	2
	2/0	M-840	4	150	B-106	2
	4/0	M-841	4	150	B-106	2
	250 MCM	M-842	4	150	B-106	2
	300 MCM	M-843	4	200	B-106	4
	350 MCM	M-844	4	200	B-106	2
	500 MCM	M-846	4	2-150	B-106	4
	#2	M-6366	17	90	B-106	2
1/4 X 1-1/2 & WIDER	1/0	M-847	4	150	B-106	2
	2/0	M-848	4	150	B-106	2
	4/0	M-849	4	150	B-106	2
	250 MCM	M-850	4	150	B-106	2
	300 MCM	M-851	4	200	B-106	2
	350 MCM	M-852	4	200	B-106	2
	500 MCM	M-854	4	2-150	B-106	2
	750 MCM	M-855	5	2-200	B-107	2
3/8 X 1	1/0	M-857	4	150	B-106	2
	2/0	M-858	4	150	B-106	2
	4/0	M-859	4	150	B-106	4
	250 MCM	M-860	4	150	B-106	4
	300 MCM	M-861	4	200	B-106	4
	350 MCM	M-862	4	200	B-106	4
	500 MCM	M-864	4	250	B-106	4
	750 MCM	M-865	5	2-200	B-107	4
3/8 X 1-1/2 & WIDER	1/0	M-867	4	150	B-106	2
	2/0	M-868	4	150	B-106	2
	4/0	M-869	4	150	B-106	2
	250 MCM	M-870	4	150	B-106	4
	300 MCM	M-871	4	200	B-106	4
	350 MCM	M-872	4	200	B-106	4
	500 MCM	M-874	4	250	B-106	4
	750 MCM	M-875	5	2-200	B-107	4
1/2 X 1	1/0	M-877	4	200	B-106	4
	2/0	M-878	4	200	B-106	4
	4/0	M-879	4	200	B-106	4
	250 MCM	M-880	4	200	B-106	4
	300 MCM	M-881	4	250	B-106	4
	350 MCM	M-882	4	250	B-106	4
	500 MCM	M-884	5	2-150	B-107	4
	750 MCM	M-885	5	500	B-107	4
1/2 X 1-1/2 & WIDER	1/0	M-887	4	200	B-106	2
	2/0	M-888	4	200	B-106	2
	4/0	M-889	4	200	B-106	2
	250 MCM	M-890	4	200	B-106	4
	300 MCM	M-891	4	250	B-106	4
	350 MCM	M-892	4	250	B-106	4
	500 MCM	M-894	5	2-150	B-107	2
	750 MCM	M-895	5	500	B-107	4

CB-2

TYPE MOLDS

*Vertical Overhead Tap to Horizontal Bus
For AWG Conductors*



Section 2 - Molds
AWG Conductors

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush

CB-6

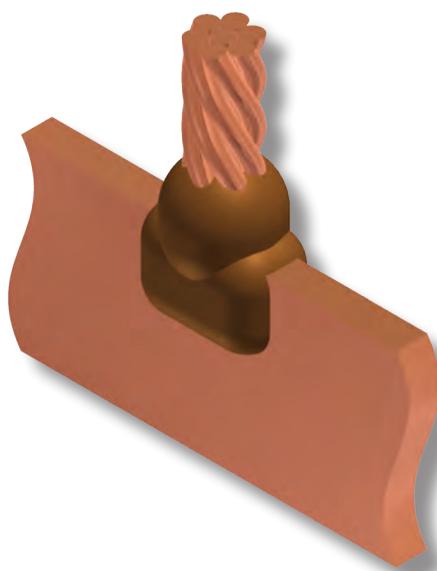
TYPE MOLDS

Vertical Overhead Tap to Horizontal Bus

For AWG Conductors

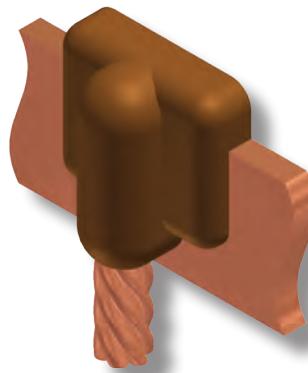
CB-6 Type Molds are used where there are **space restrictions** such as another surface $\frac{3}{4}$ " to 5" from the bus bar.

Section 2 - Molds
AWG Conductors



- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools:
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
† ~ Sold complete with frame
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush

MOLDS FOR AWG CONDUCTORS						
Bus Bar Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 1	1/0	M-898	7†	115	B-106	4
	2/0	M-899	7†	115	B-106	4
	4/0	M-900	7†	115	B-106	4
1/8 X 1-1/2 & WIDER	#2	M-5198	7†	65	B-106	2
	1/0	M-901	7†	115	B-106	4
	2/0	M-902	7†	115	B-106	4
	4/0	M-903	7†	115	B-106	4
	250 MCM	M-904	7†	115	B-106	4
	300 MCM	M-905	7†	150	B-106	2
1/4" X 1	350 MCM	M-906	7†	150	B-106	4
	1/0	M-907	7†	150	B-106	2
	2/0	M-908	7†	150	B-106	4
	4/0	M-909	7†	150	B-106	4
	250 MCM	M-910	7†	150	B-106	4
	300 MCM	M-911	7†	200	B-106	4
	350 MCM	M-912	7†	200	B-106	4
	500 MCM	M-914	7†	2-150	B-106	4
	#2	M-6967	7†	90	B-106	2
1/4 X 1-1/2 & WIDER	1/0	M-915	7†	150	B-106	2
	2/0	M-916	7†	150	B-106	4
	4/0	M-917	7†	150	B-106	2
	250 MCM	M-918	7†	150	B-106	2
	300 MCM	M-919	7†	200	B-106	4
	350 MCM	M-920	7†	200	B-106	4
	500 MCM	M-922	7†	2-150	B-106	2
	750 MCM	M-923	8†	2-200	B-107	4
	1/0	M-925	7†	150	B-106	4
3/8 X 1	2/0	M-926	7†	150	B-106	4
	4/0	M-927	7†	150	B-106	4
	250 MCM	M-928	7†	150	B-106	4
	300 MCM	M-929	7†	200	B-106	4
	350 MCM	M-930	7†	200	B-106	4
	500 MCM	M-932	7†	250	B-106	4
	750 MCM	M-933	8†	2-200	B-107	4
	1/0	M-935	7†	150	B-106	4
	2/0	M-936	7†	150	B-106	2
3/8 X 1-1/2 & WIDER	4/0	M-937	7†	150	B-106	4
	250 MCM	M-938	7†	150	B-106	4
	300 MCM	M-939	7†	200	B-106	4
	350 MCM	M-940	7†	200	B-106	4
	500 MCM	M-942	7†	250	B-106	4
	750 MCM	M-943	8†	2-200	B-107	4
	1/0	M-945	7†	200	B-106	4
	2/0	M-946	7†	200	B-106	4
	4/0	M-947	7†	200	B-106	4
1/2 X 1	250 MCM	M-948	7†	200	B-106	4
	300 MCM	M-949	7†	250	B-106	4
	350 MCM	M-950	7†	250	B-106	4
	500 MCM	M-952	8†	2-150	B-107	4
	750 MCM	M-953	8†	500	B-107	4
	1/0	M-955	7†	200	B-106	4
	2/0	M-956	7†	200	B-106	4
	4/0	M-957	7†	200	B-106	4
	250 MCM	M-958	7†	200	B-106	4
1/2 X 1-1/2 & WIDER	300 MCM	M-959	7†	250	B-106	4
	350 MCM	M-960	7†	250	B-106	4
	500 MCM	M-962	8†	2-150	B-107	4
	750 MCM	M-963	8†	500	B-107	4

**CB-3****TYPE MOLDS****Vertical Drop Tap to Horizontal Bus****For AWG Conductors**

MOLDS FOR AWG CONDUCTORS						
Bus Bar Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 1	1/0	M-656	4	90	B-106	4
	2/0	M-657	4	90	B-106	4
	4/0	M-658	4	115	B-106	2
1/8 X 2	1/0	M-659	4	90	B-106	4
	2/0	M-660	4	90	B-106	4
	4/0	M-661	4	115	B-106	2
	250 MCM	M-662	4	115	B-106	2
	300 MCM	M-663	4	150	B-106	2
	350 MCM	M-664	4	150	B-106	2
1/4 X 1	#2	M-6694	4	90	B-106	4
	1/0	M-665	4	115	B-106	2
	2/0	M-666	4	115	B-106	4
	4/0	M-667	4	150	B-106	2
	250 MCM	M-668	4	150	B-106	4
	300 MCM	M-669	4	200	B-106	4
	350 MCM	M-670	4	200	B-106	4
	500 MCM	M-672	4	250	B-106	2
	#2	M-6658	4	90	B-106	2
	1/0	M-673	4	115	B-106	4
1/4 X 1-1/2	2/0	M-674	4	115	B-106	2
	4/0	M-675	4	150	B-106	2
	250 MCM	M-676	4	150	B-106	4
	300 MCM	M-677	4	200	B-106	4
	350 MCM	M-678	4	200	B-106	4
	500 MCM	M-680	4	250	B-106	4
	750 MCM	M-681	5	2-200	B-107	2
	#2	M-5567	4	90	B-106	2
	1/0	M-682	4	115	B-106	2
	2/0	M-683	4	115	B-106	2
1/4 X 2	4/0	M-684	4	150	B-106	2
	250 MCM	M-685	4	150	B-106	4
	300 MCM	M-686	4	200	B-106	2
	350 MCM	M-687	4	200	B-106	4
	500 MCM	M-689	4	250	B-106	2
	750 MCM	M-690	5	2-200	B-107	4
	1000 MCM	M-691	5	500	B-107	4
	#2	M-5944	4	90	B-106	2
	1/0	M-692	4	115	B-106	2
	2/0	M-693	4	115	B-106	2
1/4 X 3 & WIDER	4/0	M-694	4	150	B-106	2
	250 MCM	M-695	4	150	B-106	2
	300 MCM	M-696	4	200	B-106	2
	350 MCM	M-697	4	200	B-106	2
	500 MCM	M-699	4	250	B-106	2
	750 MCM	M-700	5	2-200	B-107	2
	1000 MCM	M-701	5	500	B-107	4

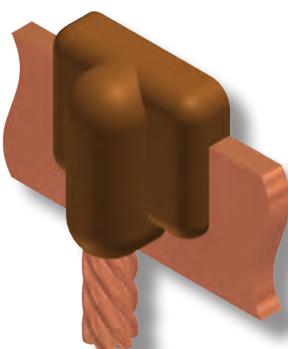
MOLDS FOR AWG CONDUCTORS						
Bus Bar Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
3/8 X 2	1/0	M-702	4	115	B-106	4
	2/0	M-703	4	115	B-106	4
	4/0	M-704	4	150	B-106	4
	250 MCM	M-705	4	150	B-106	4
	300 MCM	M-706	4	200	B-106	4
	350 MCM	M-707	4	200	B-106	4
3/8 X 2 & WIDER	500 MCM	M-709	4	250	B-106	2
	750 MCM	M-710	5	2-200	B-107	4
	1000 MCM	M-711	5	500	B-107	4
	1/0	M-712	4	115	B-106	2
	2/0	M-713	4	115	B-106	4
	4/0	M-714	4	150	B-106	2
1/2 X 2	250 MCM	M-715	4	150	B-106	4
	300 MCM	M-716	4	200	B-106	4
	350 MCM	M-717	4	200	B-106	4
	500 MCM	M-719	4	250	B-106	4
	750 MCM	M-720	5	2-200	B-107	4
	1000 MCM	M-721	5	500	B-107	4
1/2 X 2	1/0	M-722	4	150	B-106	4
	2/0	M-723	4	150	B-106	4
	4/0	M-724	4	200	B-106	4
	250 MCM	M-725	4	200	B-106	4
	300 MCM	M-726	4	250	B-106	4
	350 MCM	M-727	4	250	B-106	4
1/2 X 3 & WIDER	500 MCM	M-729	4	2-150	B-106	4
	750 MCM	M-730	5	500	B-107	4
	1000 MCM	M-731	5	3-200	B-107	4
	1/0	M-732	4	150	B-106	4
	2/0	M-733	4	150	B-106	4
	4/0	M-734	4	200	B-106	2
1/2 X 3	250 MCM	M-735	4	200	B-106	4
	300 MCM	M-736	4	250	B-106	4
	350 MCM	M-737	4	250	B-106	4
	500 MCM	M-739	5	2-150	B-107	2
	750 MCM	M-740	5	500	B-107	4
	1000 MCM	M-741	5	3-200	B-107	4

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush

Section 2 - Molds
AWG Conductors

CB-7**TYPE MOLDS****Vertical Drop Tap to Horizontal Bus****For AWG Conductors**

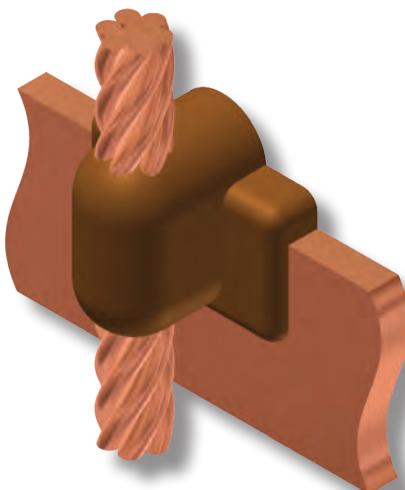
CB-7 Type Molds are used where there are **space restrictions** such as another surface $\frac{3}{4}$ " to 5" from the bus bar.



MOLDS FOR AWG CONDUCTORS						
Bus Bar Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 1	1/0	M-743	7+	90	B-106	4
	2/0	M-744	7+	90	B-106	4
	4/0	M-745	7+	115	B-106	2
1/8 X 2	1/0	M-746	7+	90	B-106	4
	2/0	M-747	7+	90	B-106	4
	4/0	M-748	7+	115	B-106	4
	250 MCM	M-749	7+	115	B-106	4
	300 MCM	M-750	7+	150	B-106	4
	350 MCM	M-751	7+	150	B-106	4
1/4 X 1	#2 STR	M-8550	7+	90	B-106	4
	1/0	M-752	7+	115	B-106	4
	2/0	M-753	7+	115	B-106	4
	4/0	M-754	7+	150	B-106	4
	250 MCM	M-755	7+	150	B-106	4
	300 MCM	M-756	7+	200	B-106	4
	350 MCM	M-757	7+	200	B-106	4
	500 MCM	M-759	7+	250	B-106	4
	#2	M-8551	7+	90	B-106	4
	1/0	M-760	7+	115	B-106	2
1/4 X 1-1/2	2/0	M-761	7+	115	B-106	4
	4/0	M-762	7+	150	B-106	4
	250 MCM	M-763	7+	150	B-106	4
	300 MCM	M-764	7+	200	B-106	4
	350 MCM	M-765	7+	200	B-106	4
	500 MCM	M-767	7+	250	B-106	4
	750 MCM	M-768	8+	2-200	B-107	4
	#2	M-5469	7+	90	B-106	2
	1/0	M-769	7+	115	B-106	4
	2/0	M-770	7+	115	B-106	4
1/4 X 2	4/0	M-771	7+	150	B-106	2
	250 MCM	M-772	7+	150	B-106	2
	300 MCM	M-773	7+	200	B-106	4
	350 MCM	M-774	7+	200	B-106	4
	500 MCM	M-776	7+	250	B-106	4
	750 MCM	M-777	8+	2-200	B-107	4
	1000 MCM	M-778	8+	500	B-107	4
	#2	M-8396	7+	90	B-106	2
	1/0	M-779	7+	115	B-106	2
	2/0	M-780	7+	115	B-106	4
1/4 X 3 & WIDER	4/0	M-781	7+	150	B-106	2
	250 MCM	M-782	7+	150	B-106	4
	300 MCM	M-783	7+	200	B-106	4
	350 MCM	M-784	7+	200	B-106	4
	500 MCM	M-786	7+	250	B-106	2
	750 MCM	M-787	8+	2-200	B-107	4
	1000 MCM	M-788	8+	500	B-107	4

MOLDS FOR AWG CONDUCTORS						
Bus Bar Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
3/8 X 2	1/0	M-789	7+	115	B-106	4
	2/0	M-790	7+	115	B-106	4
	4/0	M-791	7+	150	B-106	4
	250 MCM	M-792	7+	150	B-106	4
	300 MCM	M-793	7+	200	B-106	4
	350 MCM	M-794	7+	200	B-106	4
	500 MCM	M-796	7+	250	B-106	4
	750 MCM	M-797	8+	2-200	B-107	4
	1000 MCM	M-798	8+	500	B-107	4
	#2 STR	M-799	7+	115	B-106	4
3/8 X 2 & WIDER	2/0	M-800	7+	115	B-106	4
	4/0	M-801	7+	150	B-106	2
	250 MCM	M-802	7+	150	B-106	4
	300 MCM	M-803	7+	200	B-106	4
	350 MCM	M-804	7+	200	B-106	4
	500 MCM	M-806	7+	250	B-106	2
	750 MCM	M-807	8+	2-200	B-107	4
	1000 MCM	M-808	8+	500	B-107	4
	#2 STR	M-809	7+	150	B-106	4
	2/0	M-810	7+	150	B-106	4
1/2 X 2	4/0	M-811	7+	200	B-106	4
	250 MCM	M-812	7+	200	B-106	4
	300 MCM	M-813	7+	250	B-106	4
	350 MCM	M-814	7+	250	B-106	4
	500 MCM	M-816	7+	2-150	B-106	4
	750 MCM	M-817	8+	500	B-107	4
	1000 MCM	M-818	8+	3-200	B-107	4
	#2 STR	M-819	7+	150	B-106	4
	2/0	M-820	7+	150	B-106	4
	4/0	M-821	7+	200	B-106	4
1/2 X 3 & WIDER	250 MCM	M-822	7+	200	B-106	4
	300 MCM	M-823	7+	250	B-106	4
	350 MCM	M-824	7+	250	B-106	4
	500 MCM	M-826	8+	2-150	B-107	4
	750 MCM	M-827	8+	500	B-107	4
	1000 MCM	M-828	8+	3-200	B-107	4
	#2 STR	M-829	7+	150	B-106	4
	2/0	M-830	7+	150	B-106	4
	4/0	M-831	7+	200	B-106	4
	250 MCM	M-832	7+	200	B-106	4

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
† ~ Sold complete with frame
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush



CB-29

TYPE MOLDS

Horizontal Bus to Vertical Cable Run

For AWG Conductors

Section 2 - Molds
AWG Conductors

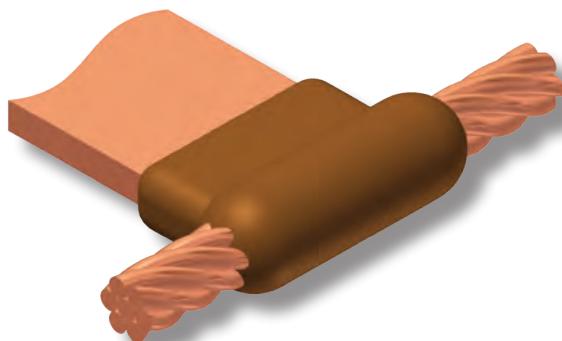
MOLDS FOR AWG CONDUCTORS

Bus Bar Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/4 X 2 & Wider	#2	M-6922	7†	250	B-106	2
	#2 Sol	M-6922-S	7†	250	B-106	2
	1/0	M-6758	8†	2-200	B-107	4
	2/0	M-6363	8†	2-200	B-107	2
	4/0	M-6184	8†	500	B-107	2
	250 MCM	M-9937	8†	500	B-107	2
	500 MCM	M-6183	8†	500	B-107	2
	750 MCM	M-10543	8†	3-200	B-107	4
3/8 X 2 & WIDER	#2	M-10544	7†	250	B-106	4
	#2 Sol	M-10545	7†	250	B-106	4
	1/0	M-10546	8†	2-200	B-107	4
	2/0	M-10547	8†	2-200	B-107	4
	4/0	M-10548	8†	500	B-107	4
	250 MCM	M-10549	8†	500	B-107	4
	500 MCM	M-10550	8†	500	B-107	4
	750 MCM	M-10551	8†	3-200	B-107	4
1/2 X 2 & WIDER	#2	M-10552	8†	2-150	B-107	4
	#2 Sol	M-10553	8†	2-150	B-107	4
	1/0	M-10554	8†	500	B-107	4
	2/0	M-10555	8†	500	B-107	4
	4/0	M-10556	8†	3-200	B-107	4
	250 MCM	M-10557	8†	3-200	B-107	4
	500 MCM	M-10558	8†	3-200	B-107	4
	750 MCM	M-10559	8†	3-250	B-107	4

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush

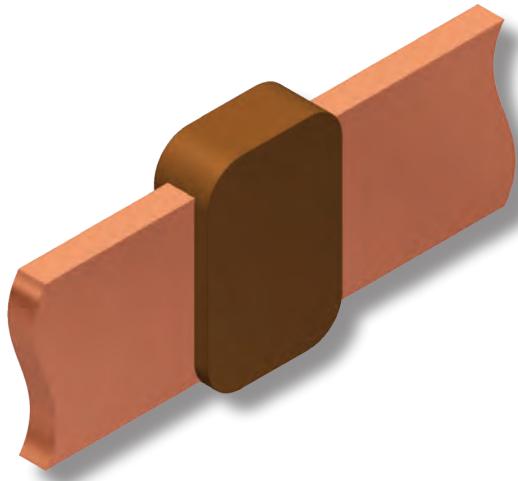
CB-5**TYPE MOLDS***Horizontal Bus Tap to Horizontal Cable Run**For AWG Conductors*

Section 2 - Molds
AWG Conductors



MOLDS FOR AWG CONDUCTORS						
Cable Size	Lug Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/0	1/8 X 1	M-1682	4	65	B-106	4
	1/4 X 1	M-1683	4	90	B-106	4
2/0	1/8 X 1	M-1684	4	90	B-106	2
	1/4 X 1	M-1685	4	115	B-106	2
4/0	3/16 X 1	M-1690	4	150	B-106	2
	1/4 X 1	M-1691	4	150	B-106	2
	1/4 X 1-1/2	M-1692	4	200	B-106	4
	1/4 X 2	M-1693	4	250	B-106	2
250 MCM	1/4 X 1	M-1694	4	150	B-106	2
	1/4 X 1-1/2	M-1695	4	200	B-106	4
	1/4 X 2	M-1696	4	250	B-106	2
300 MCM	1/4 X 1	M-1697	4	200	B-106	2
	1/4 X 1-1/2	M-1698	4	250	B-106	4
	1/4 X 2	M-1699	5	2-150	B-107	4
350 MCM	1/4 X 1	M-1700	5	200	B-107	4
	1/4 X 1-1/4	M-1701	5	200	B-107	4
	1/4 X 1-1/2	M-1702	5	250	B-107	4
	1/4 X 2	M-1703	5	2-150	B-107	4
500 MCM	1/4 X 1	M-1707	5	250	B-107	2
	1/4 X 1-1/2	M-1708	5	2-150	B-107	4
	1/4 X 2	M-1709	5	2-200	B-107	4
750 MCM	1/4 X 1-1/2	M-1710	5	2-200	B-107	4
	1/4 X 2	M-1711	5	500	B-107	4
	3/8 X 1-1/2	M-1712	5	500	B-107	4
	3/8 X 2	M-1713	5	3-200	B-107	4
1000 MCM	1/4 X 1-1/2	M-1714	5	500	B-107	4
	1/4 X 2	M-1715	5	3-200	B-107	4
	3/8 X 1-1/2	M-1716	5	3-200	B-107	4
	3/8 X 2	M-1717	5	3-250	B-107	4

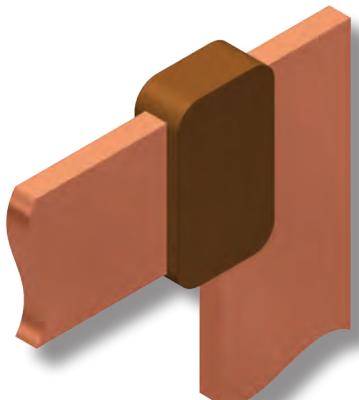
- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix “S” to mold number for solid conductors.
- For heavy duty connections , contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush

BB-1**TYPE MOLDS***Horizontal Bus End to End*

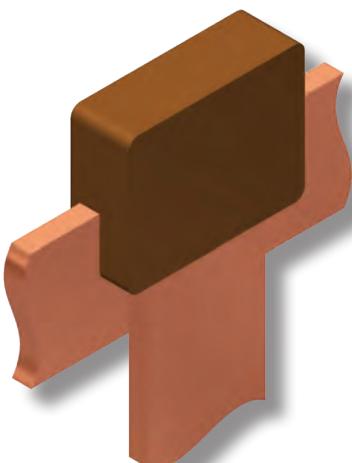
Section 2 - Molds
AWG Conductors

Bus Bar Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 1	M-1118	4	45	B-106	2
1/8 X 2	M-1119	4	90	B-106	2
3/16 X 1	M-1120	4	65	B-106	2
3/16 X 2	M-1121	4	115	B-106	4
1/4 X 1	M-1122	4	90	B-106	2
1/4 X 1-1/4	M-1123	4	115	B-106	2
1/4 X 1-1/2	M-1124	4	150	B-106	2
1/4 X 2	M-1125	4	200	B-106	2
1/4 X 3	M-1126	5	2-200	B-107	2
1/4 X 4	M-1127	5	500	B-107	2
3/8 X 1	M-1130	4	150	B-106	4
3/8 X 1-1/2	M-1131	4	250	B-106	4
3/8 X 2	M-1132	5	2-150	B-107	2
3/8 X 3	M-1133	5	500	B-107	4
3/8 X 4	M-1134	5	3-200	B-107	2
1/2 X 1	M-1135	4	200	B-106	4
1/2 X 2	M-1136	5	2-200	B-107	4
1/2 X 3	M-1137	5	3-200	B-107	4
1/2 X 4	M-1138	6	2-500	B-107	2

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0305-00 ~ Card Cloth Brush

BB-2**TYPE MOLDS***Horizontal to Vertical at Right Angle*Section 2 - Molds
AWG Conductors

Bus Bar Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 1	M-1230	4	45	B-106	2
1/8 X 2	M-1231	4	90	B-106	4
3/16 X 1	M-1232	4	65	B-106	2
3/16 X 2	M-1233	4	115	B-106	2
1/4 X 1	M-1234	4	90	B-106	4
1/4 X 1-1/4	M-1235	4	115	B-106	4
1/4 X 1-1/2	M-1236	4	150	B-106	2
1/4 X 2	M-1237	4	200	B-106	2
1/4 X 3	M-1238	5	2-200	B-107	2
1/4 X 4	M-1239	5	500	B-107	4
3/8 X 1	M-1242	4	150	B-106	4
3/8 X 1-1/2	M-1243	4	250	B-106	4
3/8 X 2	M-1244	5	2-150	B-107	4
3/8 X 3	M-1245	5	500	B-107	4
3/8 X 4	M-1246	5	3-200	B-107	4
1/2 X 1	M-1247	4	200	B-106	4
1/2 X 2	M-1248	5	2-200	B-107	4
1/2 X 3	M-1249	5	3-200	B-107	2
1/2 X 4	M-1250	6	2-500	B-107	4

BB-3**TYPE MOLDS***Vertical Drop Tap to Horizontal Run*

Bus Bar Size		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
1/8 X 1	1/8 X 1	M-1098	4	90	B-106	2
1/8 X 2 & WIDER	1/8 X 2	M-1099	4	200	B-106	4
3/16 X 1	3/16 X 1	M-1100	4	115	B-106	2
3/16 X 2 & WIDER	3/16 X 2	M-1101	4	200	B-106	2
1/4 X 1	1/4 X 1	M-1102	4	150	B-106	2
1/4 X 1-1/4	1/4 X 1-1/4	M-1103	4	200	B-106	4
1/4 X 1-1/2	1/4 X 1-1/2	M-1104	4	250	B-106	2
1/4 X 2 & WIDER	1/4 X 2	M-1105	5	2-200	B-107	2
3/8 X 1	3/8 X 1	M-1108	4	250	B-106	4
3/8 X 1-1/2	3/8 X 1-1/2	M-1109	5	2-200	B-107	4
3/8 X 2 & WIDER	3/8 X 2	M-1110	5	500	B-107	4
1/2 X 1	1/2 X 1	M-1113	5	2-150	B-107	4
1/2 X 2 & WIDER	1/2 X 2	M-1114	5	3-250	B-107	4

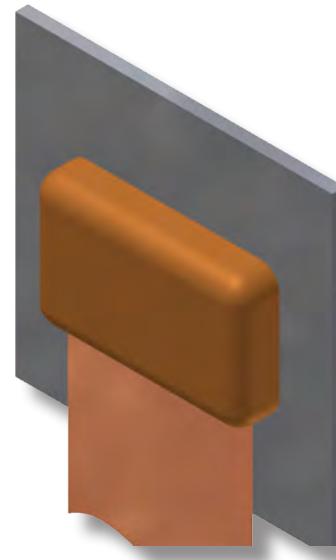
- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0305-00 ~ Card Cloth Brush

BS-1

TYPE MOLDS

Vertical Tap to Vertical Steel Surface

Bus Bar Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 2	M-1044	4	200	B-106	4
1/4 X 1	M-1045	4	150	B-106	2
1/4 X 1-1/4	M-1046	4	200	B-106	4
1/4 X 1-1/2	M-1047	4	250	B-106	2
1/4 X 2	M-1048	5	2-150	B-107	2
3/8 X 1	M-1049	4	200	B-106	4
3/8 X 2	M-1050	5	2-200	B-107	4
1/2 X 1	M-1051	4	250	B-106	4
1/2 X 2	M-1052	5	500	B-107	4



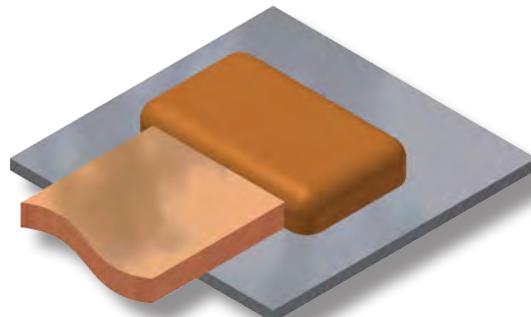
Section 2 - Molds
AWG Conductors

BS-2

TYPE MOLDS

Horizontal Tap to Horizontal Steel Surface

Bus Bar Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 1	M-1072	4	115	B-106	2
1/8 X 1-1/2	M-1073	4	150	B-106	2
1/8 X 2	M-1074	4	200	B-106	4
3/16 X 1	M-1075	4	150	B-106	2
3/16 X 2	M-1076	4	250	B-106	4
1/4 X 1	M-1077	4	150	B-106	4
1/4 X 1-1/4	M-1078	4	200	B-106	4
1/4 X 1-1/2	M-1079	4	250	B-106	4
1/4 X 2	M-1080	5	2-150	B-107	2
3/8 X 1	M-1081	4	200	B-106	2
3/8 X 1-1/2	M-1082	4	250	B-106	2
3/8 X 2	M-1083	5	2-200	B-107	2
1/2 X 1	M-1084	4	250	B-106	4
1/2 X 1-1/2	M-1085	5	2-200	B-107	4
1/2 X 2	M-1086	5	500	B-107	4

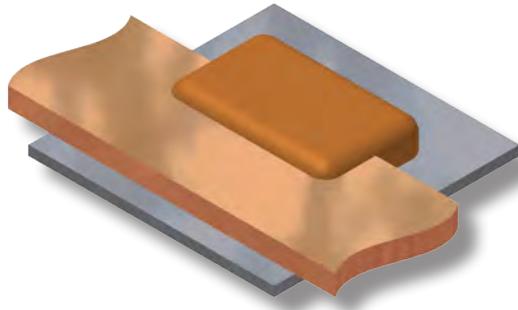


- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0306-00 ~ Card Cloth Brush
 - 38-0101-00 ~ Rasp

BS-3

TYPE MOLDS

Horizontal Thru Bar to Horizontal Steel Surface



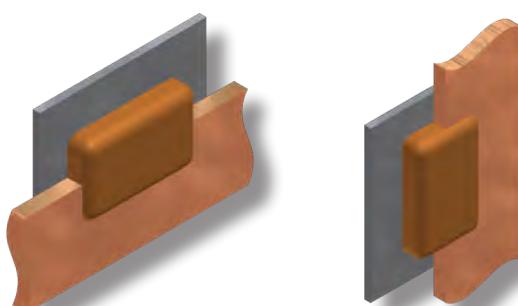
Section 2 - Molds
AWG Conductors

Bus Bar Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 1	M-1088	4	115	B-106	4
1/8 X 1-1/2 & WIDER	M-1089	4	150	B-106	2
1/4 X 1	M-1090	4	150	B-106	4
1/4 X 1-1/4	M-1091	4	200	B-106	4
1/4 X 1-1/4 & WIDER	M-1092	4	250	B-106	4
3/8 X 1	M-1093	4	200	B-106	4
3/8 X 1-1/2 & WIDER	M-1094	4	250	B-106	4
1/2 X 1	M-1095	4	250	B-106	4
1/2 X 1-1/2 & WIDER	M-1096	5	2-200	B-107	4

BS-4 / BS-5

TYPE MOLDS

*Horizontal or Vertical Thru Bar to
Vertical Steel Surface*



BS-4

BS-5

BS-4 MOLD

Bus Bar Size	Mold # BS-4	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 1	M-1054	4	115	B-106	4
1/8 X 2 & WIDER	M-1055	4	200	B-106	4
1/4 X 1	M-1056	4	150	B-106	2
1/4 X 2 & WIDER	M-1057	5	2-150	B-107	2
3/8 X 1	M-1058	4	200	B-106	4
3/8 X 2 & WIDER	M-1059	5	2-200	B-107	4
1/2 X 1	M-1060	4	250	B-106	2
1/2 X 2 & WIDER	M-1061	5	500	B-107	4

BS-5 MOLD

Bus Bar Size	Mold # BS-5	Price Key	Weld Metal	Handle Clamps	Lead Time
1/8 X 1	M-1063	4	115	B-106	2
1/8 X 2 & WIDER	M-1064	4	200	B-106	4
1/4 X 1	M-1065	4	150	B-106	2
1/4 X 2 & WIDER	M-1066	5	2-150	B-107	2
3/8 X 1	M-1067	4	200	B-106	4
3/8 X 2 & WIDER	M-1068	5	2-200	B-107	4
1/2 X 1	M-1069	4	250	B-106	4
1/2 X 2 & WIDER	M-1070	5	500	B-107	4

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0306-00 ~ Card Cloth Brush
38-0101-00 ~ Rasp

CRE-1

TYPE MOLDS

*Horizontal Parallel Tap
For AWG Conductors*

MOLDS FOR AWG CONDUCTORS							
Rebar Size	Cable Size	Mold #	Packing Mat'l # See Note	Price Key	Weld Metal	Handle Clamps	Lead Time
#3	#6	M-7500	38-0329	4	25	B-106	2
	#4	M-7501	38-0329	4	32	B-106	2
	#2	M-7502	38-0329	4	45	B-106	2
	#1	M-7503	38-0329	4	65	B-106	2
	1/0	M-7504	38-0329	4	90	B-106	2
	2/0	M-7505	38-0329	4	90	B-106	2
	3/0	M-7506	38-0329	4	115	B-106	2
	4/0	M-7507	38-0329	4	115	B-106	2
#4 & Larger	#6	M-7508	38-4061	3†	25	Included	2
	#4	M-7509	38-4061	3†	32	Included	2
	#2	M-7510	38-4061	3†	45	Included	2
	#1	M-7511	38-4061	3†	65	Included	2
#4	1/0	M-7512	38-0329	4	90	B-106	2
	2/0	M-7513	38-0329	4	90	B-106	2
	3/0	M-7514	38-0329	4	115	B-106	2
	4/0	M-7515	38-0329	4	115	B-106	2
#5	1/0	M-7520	38-0329	4	90	B-106	2
	2/0	M-7521	38-0329	4	90	B-106	2
	3/0	M-7522	38-0329	4	115	B-106	2
	4/0	M-7523	38-0329	4	115	B-106	2
#6 & Larger	1/0	M-7528	38-4062	14†	90	Included	2
	2/0	M-7529	38-4062	14†	90	Included	2
	3/0	M-7530	38-4062	14†	115	Included	2
	4/0	M-7531	38-4062	14†	115	Included	2

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- For expedited service, contact thermOweld®.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File

REBAR PACKING

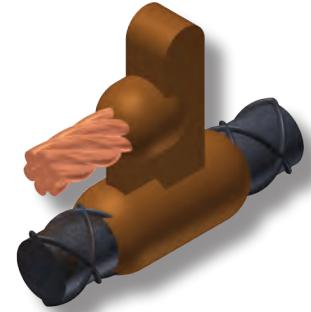
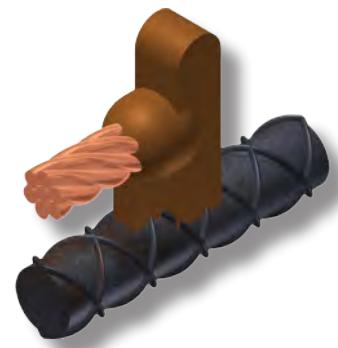
A packing material is necessary when making thermOweld® connections to Rebar. Be sure to specify Packing Material No. when ordering Mold and Weld Metal. Packing Material is either copper shim stock or ceramic fiber pad and can be used for **one** connection only.

Part #38-0329-00 Copper Shim

Part #38-4061-00 3" x 3" x 1/4"

Part #38-4062-00 3" x 3" x 1/4"

Part #38-4063-00 3" x 2 1/2" x 1/4"



Section 2 - Molds
AWG Conductors

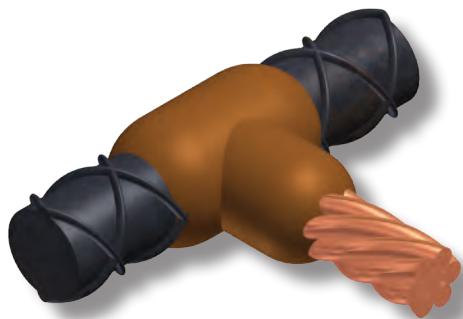
CRE-2

TYPE MOLDS

Horizontal Cable Tap to Horizontal Rebar Run

For AWG Conductors

Section 2 - Molds
AWG Conductors



REBAR PACKING

A packing material is necessary when making thermOweld® connections to Rebar. Be sure to specify Packing Material No. when ordering Mold and Weld Metal. Packing Material is either copper shim stock or ceramic fiber pad and can be used for **one** connection only.

Part #38-0329-00 Copper Shim

Part #38-4061-00 3" x 3" x 1/4"

Part #38-4062-00 3" x 3" x 1/4"

Part #38-4063-00 3" x 2 1/2" x 1/4"



MOLDS FOR AWG CONDUCTORS							
Rebar Size	Cable Size	Mold #	Packing Mat'l # See Note	Price Key	Weld Metal	Handle Clamps	Lead Time
#3	#6	M-7588	38-0329	4	45	B-106	2
	#4	M-7589	38-0329	4	45	B-106	2
	#2	M-7590	38-0329	4	65	B-106	2
	#1	M-7591	38-0329	4	65	B-106	4
	1/0	M-7592	38-0329	4	90	B-106	2
	2/0	M-7593	38-0329	4	90	B-106	4
	3/0	M-7594	38-0329	4	115	B-106	2
	4/0	M-7595	38-0329	4	115	B-106	2
#4	#6	M-7596	38-0329	4	45	B-106	2
	#4	M-7597	38-0329	4	45	B-106	2
	#2	M-7598	38-0329	4	65	B-106	2
	#1	M-7599	38-0329	4	65	B-106	4
	1/0	M-7600	38-0329	4	90	B-106	2
	2/0	M-7601	38-0329	4	90	B-106	2
	3/0	M-7602	38-0329	4	115	B-106	2
	4/0	M-7603	38-0329	4	115	B-106	2
#5	#6	M-7604	38-0329	4	90	B-106	2
	#4	M-7605	38-0329	4	90	B-106	2
	#2	M-7606	38-0329	4	90	B-106	2
	#1	M-7607	38-0329	4	90	B-106	4
	1/0	M-7608	38-0329	4	115	B-106	2
	2/0	M-7609	38-0329	4	115	B-106	2
	3/0	M-7610	38-0329	4	150	B-106	2
	4/0	M-7611	38-0329	4	150	B-106	2
#6	#6	M-7612	38-0329	4	90	B-106	2
	#4	M-7613	38-0329	4	90	B-106	2
	#2	M-7614	38-0329	4	90	B-106	2
	#1	M-7615	38-0329	4	90	B-106	4
	1/0	M-7616	38-0329	4	115	B-106	2
	2/0	M-7617	38-0329	4	115	B-106	2
	3/0	M-7618	38-0329	4	150	B-106	2
	4/0	M-7619	38-0329	4	150	B-106	2

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix "S" to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File

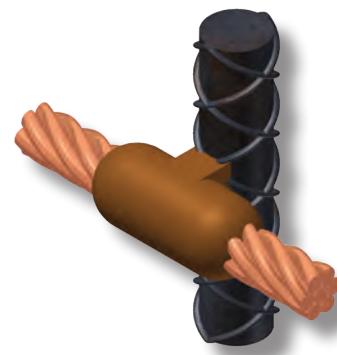
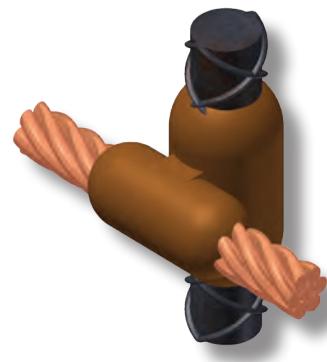
CRE-3

TYPE MOLDS

*Horizontal thru Cable to Vertical Rebar
For AWG Conductors*

MOLDS FOR AWG CONDUCTORS							
Rebar Size	Cable Size	Mold #	Packing Mat'l # See Note	Price Key	Weld Metal	Handle Clamps	Lead Time
#3	#6	M-7620	38-0329	24	90	B-106	2
	#4	M-7621	38-0329	24	90	B-106	2
	#2	M-7622	38-0329	24	90	B-106	2
	#1	M-7623	38-0329	24	115	B-106	4
	1/0	M-7624	38-0329	24	115	B-106	4
	2/0	M-7625	38-0329	24	115	B-106	2
	3/0	M-7626	38-0329	24	150	B-106	2
	4/0	M-7627	38-0329	24	150	B-106	2
#4	#6	M-7628	38-0329	24	90	B-106	2
	#4	M-7629	38-0329	24	90	B-106	2
	#2	M-7630	38-0329	24	90	B-106	2
	#1	M-7631	38-0329	24	115	B-106	4
	1/0	M-7632	38-0329	24	115	B-106	2
	2/0	M-7633	38-0329	24	115	B-106	2
	3/0	M-7634	38-0329	24	150	B-106	2
	4/0	M-7635	38-0329	24	150	B-106	2
#5	#6	M-7636	38-0329	24	90	B-106	2
	#4	M-7637	38-0329	24	90	B-106	2
	#2	M-7638	38-0329	24	90	B-106	2
	#1	M-7639	38-0329	24	115	B-106	4
	1/0	M-7640	38-0329	24	115	B-106	2
	2/0	M-7641	38-0329	24	115	B-106	2
	3/0	M-7642	38-0329	24	150	B-106	2
	4/0	M-7643	38-0329	24	150	B-106	2
#6	#6	M-7644	38-0329	24	90	B-106	2
	#4	M-7645	38-0329	24	90	B-106	2
	#2	M-7646	38-0329	24	90	B-106	2
	#1	M-7647	38-0329	24	115	B-106	4
	1/0	M-7648	38-0329	24	115	B-106	2
	2/0	M-7649	38-0329	24	115	B-106	2
	3/0	M-7650	38-0329	24	150	B-106	2
	4/0	M-7651	38-0329	24	150	B-106	2
#7 & Larger	#6	M-7652	38-4063	4	90	B-106-41	2
	#4	M-7653	38-4063	4	90	B-106-41	2
	#2	M-7654	38-4063	4	90	B-106-41	2
	#1	M-7655	38-4063	4	115	B-106-41	4
	1/0	M-7656	38-4063	4	115	B-106-41	2
	2/0	M-7657	38-4063	4	115	B-106-41	2
	3/0	M-7658	38-4063	4	150	B-106-41	2
	4/0	M-7659	38-4063	4	150	B-106-41	2

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For heavy duty connections or molds with wear plates, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File



REBAR PACKING

A packing material is necessary when making thermOweld® connections to Rebar. Be sure to specify Packing Material No. when ordering Mold and Weld Metal. Packing Material is either copper shim stock or ceramic fiber pad and can be used for **one** connection only.

Part #38-0329-00 Copper Shim

Part #38-4061-00 3" x 3" x 1/4"

Part #38-4062-00 3" x 3" x 1/4"

Part #38-4063-00 3" x 2 1/2" x 1/4"



Section 2 - Molds
AWG Conductors

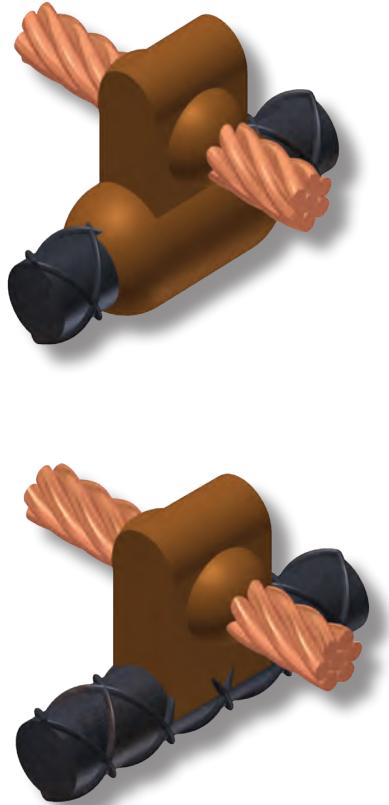
CRE-4

TYPE MOLDS

Horizontal thru Cable to Horizontal Rebar

For AWG Conductors

Section 2 - Molds
AWG Conductors



REBAR PACKING

A packing material is necessary when making thermOweld® connections to Rebar. Be sure to specify Packing Material No. when ordering Mold and Weld Metal. Packing Material is either copper shim stock or ceramic fiber pad and can be used for **one** connection only.

Part #38-0329-00 Copper Shim

Part #38-4061-00 3" x 3" x 1/4"

Part #38-4062-00 3" x 3" x 1/4"

Part #38-4063-00 3" x 2 1/2" x 1/4"



MOLDS FOR AWG CONDUCTORS							
Rebar Size	Cable Size	Mold #	Packing Mat'l # See Note	Price Key	Weld Metal	Handle Clamps	Lead Time
#3	#6	M-7708	38-0329	4	65	B-106	2
	#4	M-7709	38-0329	4	65	B-106	4
	#2	M-7710	38-0329	4	90	B-106	2
	#1	M-7711	38-0329	4	90	B-106	2
	1/0	M-7712	38-0329	22	115	B-106	2
	2/0	M-7713	38-0329	22	115	B-106	2
	3/0	M-7714	38-0329	22	150	B-106	4
	4/0	M-7715	38-0329	22	150	B-106	2
#4	#6	M-7716	38-0329	4	65	B-106	2
	#4	M-7717	38-0329	4	65	B-106	2
	#2	M-7718	38-0329	4	90	B-106	2
	#1	M-7719	38-0329	22	90	B-106	4
	1/0	M-7720	38-0329	22	115	B-106	2
	2/0	M-7721	38-0329	22	115	B-106	2
	3/0	M-7722	38-0329	22	150	B-106	2
	4/0	M-7723	38-0329	22	150	B-106	2
#5	#6	M-7724	38-0329	4	65	B-106	2
	#4	M-7725	38-0329	4	65	B-106	2
	#2	M-7726	38-0329	4	90	B-106	2
	#1	M-7727	38-0329	22	90	B-106	4
	1/0	M-7728	38-0329	22	115	B-106	2
	2/0	M-7729	38-0329	22	115	B-106	2
	3/0	M-7730	38-0329	22	150	B-106	2
	4/0	M-7731	38-0329	22	150	B-106	2
#6 & Larger	#6	M-7732	38-4061	14†	65	Included	2
	#4	M-7733	38-4061	14†	65	Included	2
	#2	M-7734	38-4061	14†	90	Included	2
	#1	M-7735	38-4061	14†	90	Included	4
	1/0	M-7736	38-4062	14†	115	Included	2
	2/0	M-7737	38-4062	14†	115	Included	2
	3/0	M-7738	38-4062	14†	150	Included	2
	4/0	M-7739	38-4062	14†	150	Included	2

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix "S" to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-03 ~ Mold Cleaner for PK-4 & 22 Molds w/cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File

CRE-6

TYPE MOLDS

*Horizontal Cable Tap to Vertical Rebar
For AWG Conductors*

MOLDS FOR AWG CONDUCTORS							
Rebar Size	Cable Size	Mold #	Packing Mat'l # See Note	Price Key	Weld Metal	Handle Clamps	Lead Time
#3	#6	M-7884	38-0329	4	45	B-106	2
	#4	M-7885	38-0329	4	45	B-106	2
	#2	M-7886	38-0329	4	65	B-106	4
	#1	M-7887	38-0329	4	90	B-106	4
	1/0	M-7888	38-0329	4	115	B-106	2
	2/0	M-7889	38-0329	4	115	B-106	2
	3/0	M-7890	38-0329	4	150	B-106	2
	4/0	M-7891	38-0329	4	150	B-106	2
#4	#6	M-7892	38-0329	4	45	B-106	2
	#4	M-7893	38-0329	4	65	B-106	2
	#2	M-7894	38-0329	4	65	B-106	2
	#1	M-7895	38-0329	4	90	B-106	4
	1/0	M-7896	38-0329	4	115	B-106	2
	2/0	M-7897	38-0329	4	115	B-106	2
	3/0	M-7898	38-0329	4	150	B-106	2
	4/0	M-7899	38-0329	4	150	B-106	2
#5	#6	M-7900	38-0329	4	45	B-106	2
	#4	M-7901	38-0329	4	65	B-106	2
	#2	M-7902	38-0329	4	65	B-106	2
	#1	M-7903	38-0329	4	90	B-106	2
	1/0	M-7904	38-0329	4	115	B-106	2
	2/0	M-7905	38-0329	4	115	B-106	2
	3/0	M-7906	38-0329	4	150	B-106	2
	4/0	M-7907	38-0329	4	150	B-106	2
#6	#6	M-7908	38-0329	4	45	B-106	2
	#4	M-7909	38-0329	4	65	B-106	2
	#2	M-7910	38-0329	4	65	B-106	2
	#1	M-7911	38-0329	4	90	B-106	2
	1/0	M-7912	38-0329	4	115	B-106	2
	2/0	M-7913	38-0329	4	115	B-106	2
	3/0	M-7914	38-0329	4	150	B-106	2
	4/0	M-7915	38-0329	4	150	B-106	2
#7 & Larger	#6	M-7916	38-4063	4	45	B-106-32	4
	#4	M-7917	38-4063	4	65	B-106-32	2
	#2	M-7918	38-4063	4	65	B-106-32	2
	#1	M-7919	38-4063	4	90	B-106-32	2
	1/0	M-7920	38-4063	4	115	B-106-32	2
	2/0	M-7921	38-4063	4	115	B-106-32	2
	3/0	M-7922	38-4063	4	150	B-106-32	2
	4/0	M-7923	38-4063	4	150	B-106-32	2

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File



REBAR PACKING

A packing material is necessary when making thermOweld® connections to Rebar. Be sure to specify Packing Material No. when ordering Mold and Weld Metal. Packing Material is either copper shim stock or ceramic fiber pad and can be used for **one** connection only.

Part #38-0329-00 Copper Shim

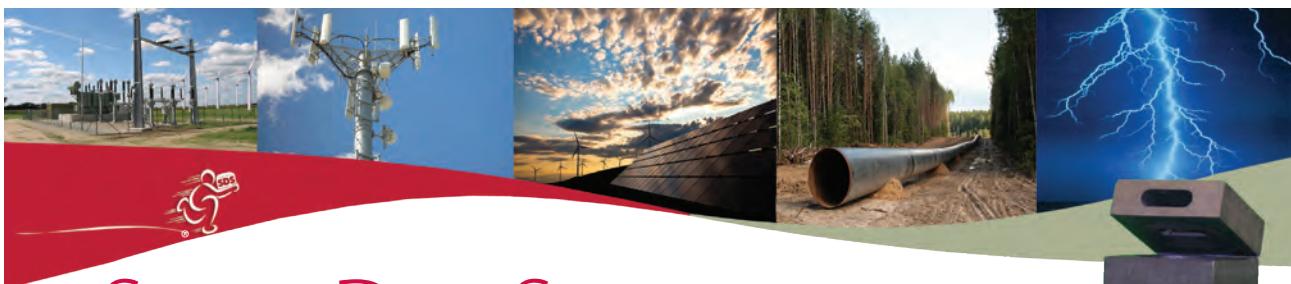
Part #38-4061-00 3" x 3" x 1/4"

Part #38-4062-00 3" x 3" x 1/4"

Part #38-4063-00 3" x 2 1/2" x 1/4"

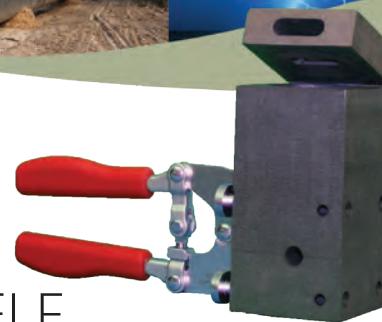


Section 2 - Molds
AWG Conductors



SAME DAY SERVICE

(Grounding Market)



JUST LIKE HAVING IT ON THE SHELF

MOLDS			Weld Metal	Accessories
M-206	M-547	M-2540	#15 Standard Weld Metal	B-106 Handle Clamp
M-208	M-548	M-2707	#25 Standard Weld Metal	B-106 Vertical Handle Clamp
M-223	M-549	M-2781-S	#32 Standard Weld Metal	Mini-Handle Clamp
M-223-S	M-550	M-5059	#45 Standard Weld Metal	Flint Ignitors
M-228	M-559	M-5105	#65 Standard Weld Metal	Steel Disc
M-232	M-560	M-5415-S	#90 Standard Weld Metal	Mold Cleaner
M-235	M-561	M-6199	#115 Standard Weld Metal	Natural Bristle Brush
M-236	M-647	M-6199-S	#150 Standard Weld Metal	Shim Stock
M-241	M-588	M-6618-S	#200 Standard Weld Metal	1 lb Packing Material
M-243	M-588-S	M-8718	#250 Standard Weld Metal	Ceramic Fiber Packing
M-244	M-590	M-8833	#500 Standard Weld Metal	1/8" x 1" Offset Copper Lug 1 Hole
M-246	M-591	M-9021	#65 EZ Lite Remote® Weld Metal	1/8" x 1" Offset Copper Lug 2 Hole
M-247	M-593	M-9233	#45 EZ Lite Remote® Weld Metal	1/4" x 1" Offset Copper Lug 1 Hole
M-280	M-630-S	M-9233-S	#90 EZ Lite Remote® Weld Metal	1/4" x 1" Offset Copper Lug 2 Hole
M-434	M-1276-S		#115 EZ Lite Remote® Weld Metal	1/4" x 1 1/2" Offset Copper Lug 1 Hole
M-443	M-1313-S		#150 EZ Lite Remote® Weld Metal	1/4" x 1 1/2" Offset Copper Lug 2 Hole
M-506	M-1322		#200 EZ Lite Remote® Weld Metal	Tin Plated Straight Lug
M-508	M-1331		#250 EZ Lite Remote® Weld Metal	Ez-Lite Remote® Ignitors
M-518	M-1587			Ez Lite Remote® Unit
M-545	M-1596			Ez Lite Remote® Starter Kit
M-545-S	M-2189			6 ft Cable Assembly for EZ Lite Remote®

Call Today!
Ship Today!



*SDS is not a guaranteed service. Quantities are limited.

4 PM
CENTRAL STANDARD
TIME

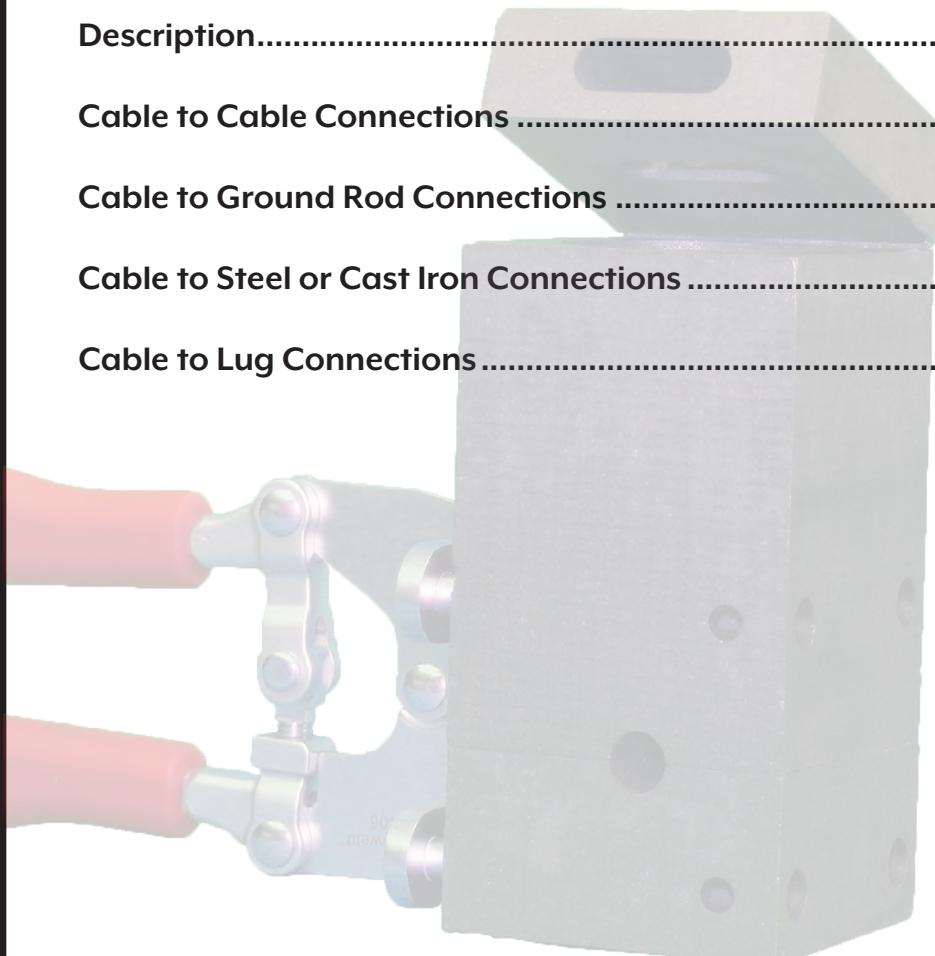
Section 3

Molds

for use with

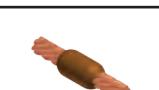
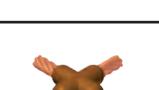
Copper-Clad Steel Conductors

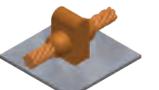
Description.....	Page #
Cable to Cable Connections	3-81
Cable to Ground Rod Connections	3-88
Cable to Steel or Cast Iron Connections	3-91
Cable to Lug Connections	3-97



Section 3 - Molds
Copper-Clad Steel Conductors

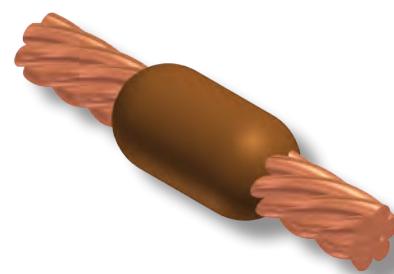
**Section 3 - Molds
Copper-Clad Steel Conductors**

Weld Type	
	CB-1
	CB-33
	CC-1
	CC-2
	CC-4
	CC-6
	CC-7
	CC-11
	CR-1
	CR-2
	CR-3
	CS-1

Weld Type	
	CS-2
	CS-3
	CS-4
	CS-6
	CS-7
	CS-8
	CS-9
	CS-18
	CS-23
	CS-27

CC-1**TYPE MOLDS**

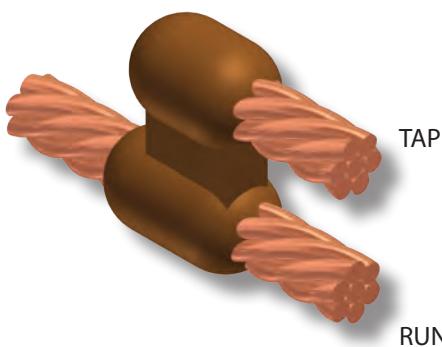
*Horizontal End to End
For Copper-Clad Steel Conductors*



MOLDS FOR COPPER-CLAD STEEL CONDUCTORS												
Cable	STANDARD CONNECTION				HEAVY DUTY CONNECTION							
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time		
7/#10	M-9018	4	32	B-106	2			M-9018-H	4	65	B-106	4
7/#8	M-9050	4	45	B-106	2			M-9050-H	4	90	B-106	4
7/#7	M-9195	4	65	B-106	2			M-9195-H	4	115	B-106	2
7/#6	M-9051	4	90	B-106	2			M-9051-H	4	150	B-106	2
7/#5	M-9052	4	115	B-106	2			M-9052-H	4	250	B-106	4
19/#9	M-9053	4	115	B-106	2			M-9053-H	4	200	B-106	4
19/#8	M-9054	4	115	B-106	4			M-9054-H	4	200	B-106	4
19/#7	M-9196	4	150	B-106	2			M-9196-H	4	250	B-106	4
19/#6	M-9055	4	200	B-106	4			M-9055-H	5	2-150	B-107	4

CC-6**TYPE MOLDS**

*Horizontal Parallel Tap
For Copper-Clad Steel Conductors*



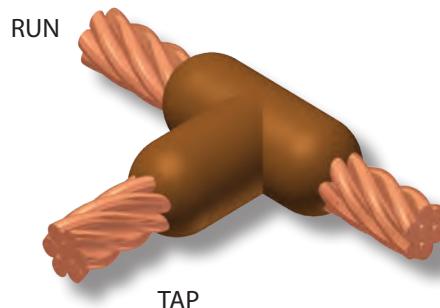
MOLDS FOR COPPER-CLAD STEEL CONDUCTORS						
Cable		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
7/#10	#2	M-9384	4	65	B-106	4
	#4	M-9392	4	45	B-106	4
	#6	M-9700	4	32	B-106	4
	#6 Sol	M-9407	4	32	B-106	4
	#8 Sol	M-9423	4	32	B-106	4
7/#8	#2	M-9424	4	65	B-106	4
	#4	M-9425	4	45	B-106	4
	#6	M-9429	4	45	B-106	4
	#6 Sol	M-9447	4	45	B-106	4
	#8 Sol	M-9448	4	45	B-106	4
7/#7	#2	M-9449	4	65	B-106	4
	#4	M-9450	4	65	B-106	4
	#6	M-9451	4	45	B-106	4
	#6 Sol	M-9452	4	45	B-106	4
	#8 Sol	M-9453	4	45	B-106	4
7/#6	#2	M-9454	4	90	B-106	4
	#4	M-9455	4	65	B-106	4
	#6	M-9456	4	65	B-106	4
	#6 Sol	M-9457	4	65	B-106	4
	#8 Sol	M-9458	4	65	B-106	4
7/#5	#2	M-9459	4	90	B-106	2
	#4	M-9460	4	90	B-106	4
	#6	M-9461	4	65	B-106	4
	#6 Sol	M-9462	4	65	B-106	4
	#8 Sol	M-9463	4	90	B-106	4

- For sizes not listed, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp

CC-2

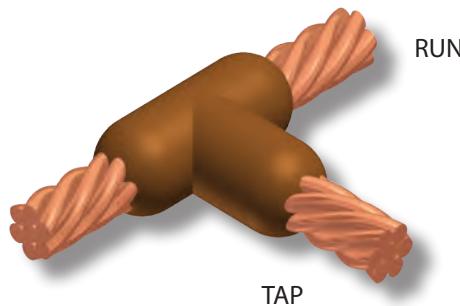
TYPE MOLDS

*Horizontal Cable Tap to Horizontal Cable Run
For Copper-Clad Steel Conductors*



MOLDS FOR COPPER-CLAD STEEL CONDUCTORS											
Cable		STANDARD CONNECTION				HEAVY DUTY CONNECTION					
Run	Tap	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	7/#10	M-9020	4	45	B-106	4	M-9020-H	4	90	B-106	4
	7/#8	M-9060	4	65	B-106	2	M-9060-H	4	115	B-106	4
	7/#10	M-9197	4	45	B-106	4	M-9197-H	4	90	B-106	4
	2/0	M-9061	4	90	B-106	4	M-9061-H	4	150	B-106	4
	4/0	M-9062	4	90	B-106	4	M-9062-H	4	200	B-106	4
7/#7	7/#7	M-9198	4	90	B-106	2	M-9198-H	4	150	B-106	4
	7/#8	M-9022	4	90	B-106	4	M-9022-H	4	150	B-106	4
	7/#10	M-9290	4	45	B-106	4	M-9290-H	4	90	B-106	4
	2/0	M-9201	4	90	B-106	2	M-9201-H	4	150	B-106	4
	4/0	M-9202	4	115	B-106	4	M-9202-H	4	200	B-106	4
7/#6	7/#6	M-9362	4	115	B-106	2	M-9362-H	4	200	B-106	2
	7/#7	M-9023	4	90	B-106	4	M-9023-H	4	150	B-106	4
	7/#8	M-9024	4	90	B-106	4	M-9024-H	4	150	B-106	4
	7/#10	M-9025	4	45	B-106	4	M-9025-H	4	45	B-106	4
	2/0	M-9382	4	90	B-106	4	M-9382-H	4	150	B-106	4
7/#5	4/0	M-9063	4	115	B-106	4	M-9063-H	4	250	B-106	2
	7/#5	M-9064	4	150	B-106	2	M-9064-H	4	250	B-106	4
	7/#6	M-9026	4	115	B-106	4	M-9026-H	4	200	B-106	4
	7/#7	M-9213	4	90	B-106	2	M-9213-H	4	150	B-106	4
	7/#8	M-9065	4	90	B-106	4	M-9065-H	4	150	B-106	4
19/#9	7/#10	M-9343	4	90	B-106	2	M-9343-H	4	150	B-106	4
	2/0	M-9321	4	90	B-106	4	M-9321-H	4	150	B-106	4
	4/0	M-9066	4	150	B-106	2	M-9066-H	4	250	B-106	2
	19/#9	M-9067	4	150	B-106	2	M-9067-H	4	250	B-106	4
	7/#5	M-9027	4	150	B-106	4	M-9027-H	4	250	B-106	4
	7/#6	M-9028	4	150	B-106	4	M-9028-H	4	250	B-106	4
	7/#7	M-9203	4	90	B-106	2	M-9203-H	4	150	B-106	4
	7/#8	M-9030	4	90	B-106	4	M-9030-H	4	150	B-106	4
	2/0	M-9031	4	90	B-106	4	M-9031-H	4	150	B-106	4
	4/0	M-9068	4	150	B-106	4	M-9068-H	4	250	B-106	4

- For sizes not listed, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp



CC-2

TYPE MOLDS

*Horizontal Cable Tap to Horizontal Cable Run
For Copper-Clad Steel Conductors*

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS							HEAVY DUTY CONNECTION					
Cable		STANDARD CONNECTION				Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
Run	Tap	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
19/#8	19/#8	M-9069	4	200	B-106	2	M-9069-H	5	2-150	B-107	4	
	19/#9	M-9032	4	150	B-106	4	M-9032-H	4	250	B-106	4	
	7/#5	M-9047	4	150	B-106	4	M-9047-H	4	250	B-106	4	
	7/#6	M-9033	4	150	B-106	4	M-9033-H	4	250	B-106	4	
	7/#7	M-9040	4	90	B-106	4	M-9040-H	4	150	B-106	4	
	7/#8	M-9070	4	90	B-106	4	M-9070-H	4	150	B-106	4	
	2/0	M-9071	4	90	B-106	4	M-9071-H	4	150	B-106	4	
	4/0	M-9042	4	150	B-106	4	M-9042-H	4	250	B-106	4	
19/#7	19/#7	M-9073	4	200	B-106	4	M-9073-H	5	2-200	B-107	4	
	19/#8	M-9034	4	200	B-106	4	M-9034-H	5	2-150	B-107	4	
	19/#9	M-9204	4	200	B-106	4	M-9204-H	5	2-150	B-107	4	
	7/#5	M-9442	4	150	B-106	4	M-9442-H	5	2-150	B-107	4	
	7/#6	M-9035	4	150	B-106	4	M-9035-H	4	250	B-106	4	
	7/#7	M-9074	4	90	B-106	4	M-9074-H	4	150	B-106	4	
	7/#8	M-9036	4	90	B-106	4	M-9036-H	4	150	B-106	4	
	2/0	M-9147	4	90	B-106	4	M-9147-H	4	150	B-106	4	
19/#6	4/0	M-9148	4	150	B-106	2	M-9148-H	4	250	B-106	4	
	500 MCM	M-9075	4	250	B-106	4	M-9075-H	5	2-200	B-107	4	
	19/#6	M-9076	4	2-150	B-106	4	M-9076-H	5	500	B-107	4	
19/#7	19/#7	M-9149	4	200	B-106	4	M-9149-H	5	2-200	B-107	4	
	19/#8	M-9038	4	200	B-106	4	M-9038-H	5	2-150	B-107	4	
	19/#9	M-9077	4	200	B-106	4	M-9077-H	5	2-150	B-107	4	
	7/#5	M-9393	4	150	B-106	4	M-9393-H	5	2-150	B-107	4	
	7/#6	M-9289	4	115	B-106	4	M-9289-H	4	250	B-106	4	
	2/0	M-9039	4	90	B-106	4	M-9039-H	4	150	B-106	4	
	4/0	M-9078	4	150	B-106	2	M-9078-H	5	2-150	B-107	4	
	500 MCM	M-9011	4	2-150	B-106	4	M-9011-H	5	500	B-107	4	

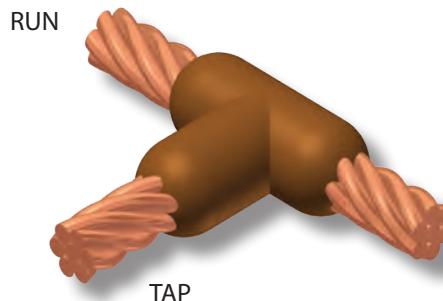
Section 3 - Molds
Copper-Clad Steel Conductors

- For sizes not listed, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools:
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp

CC-2

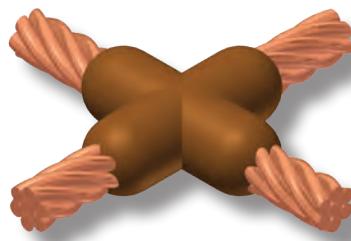
TYPE MOLDS

*Horizontal Cable Tap to Horizontal Cable Run
For Copper-Clad Steel Conductors*



MOLDS FOR COPPER-CLAD STEEL CONDUCTORS							HEAVY DUTY CONNECTION					
Cable		STANDARD CONNECTION				Lead Time	HEAVY DUTY CONNECTION					
Run	Tap	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
2/0	19/#6	M-9207	4	115	B-106	4	M-9207-H	4	200	B-106	4	
	19/#7	M-9208	4	115	B-106	4	M-9208-H	4	200	B-106	4	
	19/#8	M-9209	4	115	B-106	4	M-9209-H	4	200	B-106	4	
	19/#9	M-9082	4	115	B-106	4	M-9082-H	4	200	B-106	4	
	7/#5	M-9210	4	115	B-106	2	M-9210-H	4	200	B-106	4	
	7/#6	M-9409	4	90	B-106	4	M-9409-H	4	150	B-106	2	
	7/#7	M-9211	4	90	B-106	4	M-9211-H	4	150	B-106	4	
	7/#8	M-9001	4	90	B-106	4	M-9001-H	4	150	B-106	4	
	7/#10	M-9004	4	65	B-106	4	M-9004-H	4	115	B-106	4	
	19/#6	M-9083	4	150	B-106	2	M-9083-H	4	250	B-106	4	
4/0	19/#7	M-9427	4	150	B-106	4	M-9427-H	4	250	B-106	4	
	19/#8	M-9212	4	150	B-106	4	M-9212-H	4	250	B-106	2	
	19/#9	M-9084	4	150	B-106	2	M-9084-H	4	250	B-106	2	
	7/#5	M-9331	4	150	B-106	2	M-9331-H	4	250	B-106	4	
	7/#6	M-9000	4	150	B-106	2	M-9000-H	4	250	B-106	4	
	7/#7	M-9150	4	90	B-106	4	M-9150-H	4	150	B-106	4	
	7/#8	M-9085	4	90	B-106	2	M-9085-H	4	150	B-106	4	
	7/#10	M-9216	4	90	B-106	4	M-9216-H	4	150	B-106	4	
	19/#6	M-9217	4	150	B-106	4	M-9217-H	4	250	B-106	4	
	19/#7	M-9218	4	150	B-106	4	M-9218-H	4	250	B-106	4	
250 MCM	19/#8	M-9219	4	150	B-106	4	M-9219-H	4	250	B-106	4	
	19/#9	M-9220	4	150	B-106	4	M-9220-H	4	250	B-106	4	
	7/#5	M-9221	4	150	B-106	2	M-9221-H	4	250	B-106	4	
	7/#6	M-9222	4	150	B-106	4	M-9222-H	4	250	B-106	4	
	7/#7	M-9223	4	90	B-106	4	M-9223-H	4	150	B-106	4	
	7/#8	M-9087	4	90	B-106	4	M-9087-H	4	150	B-106	4	
	7/#10	M-9224	4	90	B-106	4	M-9224-H	4	150	B-106	4	
	19/#6	M-9154	4	2-150	B-106	4	M-9154-H	5	500	B-107	4	
	19/#7	M-9155	4	250	B-106	4	M-9155-H	5	2-200	B-107	4	
	19/#8	M-9088	4	200	B-106	4	M-9088-H	5	2-150	B-107	4	
500 MCM	19/#9	M-9156	4	200	B-106	2	M-9156-H	5	2-150	B-107	2	
	7/#5	M-9010	4	200	B-106	2	M-9010-H	5	2-150	B-107	4	
	7/#6	M-9241	4	150	B-106	4	M-9241-H	4	250	B-106	4	
	7/#7	M-9157	4	115	B-106	4	M-9157-H	4	200	B-106	4	
	7/#8	M-9090	4	115	B-106	4	M-9090-H	4	200	B-106	4	

- For sizes not listed, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
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- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp



CC-4

TYPE MOLDS

Horizontal to Horizontal Cable Cross

For Copper-Clad Steel Conductors

Tap Cable is Cut

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS

Cable		STANDARD CONNECTION					HEAVY DUTY CONNECTION				
Run	Tap	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	7/#10	M-9243	4	65	B-106	4	M-9243-H	4	115	B-106	4
7/#8	7/#8	M-9091	4	90	B-106	4	M-9091-H	4	150	B-106	4
7/#8	7/#10	M-9244	4	90	B-106	4	M-9244-H	4	150	B-106	4
7/#7	7/#7	M-9159	4	115	B-106	2	M-9159-H	4	200	B-106	4
	7/#8	M-9292	4	115	B-106	4	M-9292-H	4	200	B-106	4
	7/#10	M-9247	4	115	B-106	4	M-9247-H	4	200	B-106	4
7/#6	7/#6	M-9293	4	200	B-106	2	M-9293-H	5	2-150	B-107	4
	7/#7	M-9248	4	150	B-106	4	M-9248-H	4	250	B-106	4
	7/#8	M-9249	4	150	B-106	4	M-9249-H	4	200	B-106	4
	7/#10	M-9250	4	115	B-106	4	M-9250-H	4	200	B-106	4
7/#5	7/#5	M-9092	4	200	B-106	4	M-9092-H	5	2-150	B-107	4
	7/#6	M-9252	4	200	B-106	4	M-9252-H	5	2-150	B-107	4
	7/#7	M-9281	4	150	B-106	4	M-9281-H	4	250	B-106	4
	7/#8	M-9251	4	150	B-106	2	M-9251-H	4	250	B-106	4
19/#9	19/#9	M-9093	4	200	B-106	2	M-9093-H	5	2-150	B-107	4
	7/#5	M-9256	4	200	B-106	4	M-9256-H	5	2-150	B-107	4
	7/#6	M-9257	4	200	B-106	4	M-9257-H	5	2-150	B-107	4
	7/#7	M-9274	4	150	B-106	2	M-9274-H	4	250	B-106	4
	7/#8	M-9279	4	150	B-106	4	M-9279-H	4	250	B-106	4
19/#8	19/#8	M-9094	4	250	B-106	4	M-9094-H	5	2-200	B-107	4
	19/#9	M-9300	4	250	B-106	4	M-9300-H	5	2-200	B-107	4
	7/#5	M-9258	4	250	B-106	4	M-9258-H	5	2-200	B-107	4
	7/#6	M-9301	4	200	B-106	4	M-9301-H	5	2-150	B-107	4
	7/#7	M-9302	4	150	B-106	4	M-9302-H	4	250	B-106	4
	7/#8	M-9303	4	150	B-106	4	M-9303-H	4	250	B-106	4
19/#7	19/#7	M-9163	5	2-150	B-107	4	M-9163-H	5	500	B-107	4
	19/#8	M-9306	5	2-150	B-107	4	M-9306-H	5	500	B-107	4
	19/#9	M-9389	5	2-150	B-107	4	M-9389-H	5	500	B-107	4
	7/#5	M-9307	5	2-150	B-107	4	M-9307-H	5	500	B-107	4
	7/#6	M-9421	4	250	B-106	4	M-9421-H	5	2-200	B-107	4
	7/#7	M-9308	4	200	B-106	4	M-9308-H	5	2-150	B-107	4
	7/#8	M-9310	4	200	B-106	4	M-9310-H	5	2-150	B-107	4
19/#6	19/#6	M-9284	5	500	B-107	4	M-9284-H	5	3-250	B-107	4
	19/#7	M-9313	5	500	B-107	4	M-9313-H	5	3-250	B-107	4
	19/#8	M-9314	5	2-200	B-107	4	M-9314-H	5	3-200	B-107	4
	19/#9	M-9344	5	2-150	B-107	4	M-9344-H	5	500	B-107	4
	7/#5	M-9345	5	2-150	B-107	4	M-9345-H	5	500	B-107	4
	7/#6	M-9348	5	2-150	B-107	4	M-9348-H	5	500	B-107	4
	7/#7	M-9350	4	250	B-106	4	M-9350-H	5	2-200	B-107	4
	7/#8	M-9358	4	250	B-106	4	M-9358-H	5	2-200	B-107	4

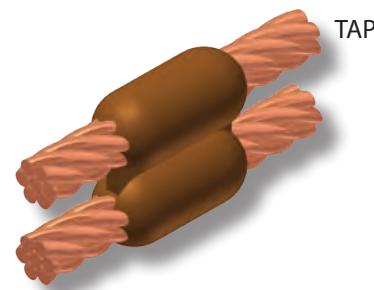
- For sizes not listed, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

 Section 3 - Molds
Copper-Clad Steel Conductors

CC-7

TYPE MOLDS

*Horizontal Parallel through Cables
For Copper-Clad Steel Conductors*



MOLDS FOR COPPER-CLAD STEEL CONDUCTORS							HEAVY DUTY CONNECTION					
Cable			STANDARD CONNECTION				HEAVY DUTY CONNECTION					
Run	Tap	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
7/#10	7/#10	M-9437	4	65	B-106	2	M-9437-H	4	115	B-106	4	
7/#8	7/#8	M-9138	4	90	B-106	2	M-9138-H	4	150	B-106	4	
	7/#10	M-9464	4	65	B-106	4	M-9464-H	4	115	B-106	4	
	7/#7	M-9433	4	115	B-106	2	M-9433-H	4	200	B-106	2	
	7/#8	M-9465	4	115	B-106	4	M-9465-H	4	200	B-106	4	
	7/#10	M-9466	4	90	B-106	4	M-9466-H	4	150	B-106	4	
	7/#6	M-9408	4	150	B-106	2	M-9408-H	4	250	B-106	4	
	7/#7	M-9467	4	150	B-106	4	M-9467-H	4	250	B-106	4	
	7/#8	M-9468	4	115	B-106	4	M-9468-H	4	200	B-106	4	
	7/#10	M-9469	4	115	B-106	4	M-9469-H	4	200	B-106	4	
	7/#5	M-9470	4	200	B-106	2	M-9470-H	5	2-150	B-107	4	
	7/#6	M-9471	4	200	B-106	4	M-9471-H	5	2-150	B-107	4	
	7/#7	M-9472	4	150	B-106	4	M-9472-H	4	250	B-106	4	
	7/#8	M-9473	4	150	B-106	4	M-9473-H	4	250	B-106	4	
	19/#9	M-9379	4	250	B-106	2	M-9379-H	5	2-200	B-107	2	
	7/#5	M-9474	4	200	B-106	4	M-9474-H	5	2-150	B-107	4	
	7/#6	M-9475	4	200	B-106	4	M-9475-H	5	2-150	B-107	4	
	7/#7	M-9432	4	150	B-106	4	M-9432-H	4	250	B-106	4	
	7/#8	M-9476	4	150	B-106	2	M-9476-H	4	250	B-106	4	
	19/#8	M-9136	5	2-150	B-107	4	M-9136-H	5	500	B-107	4	
	19/#9	M-9477	4	250	B-106	4	M-9477-H	5	2-200	B-107	2	
	7/#5	M-9478	4	200	B-106	2	M-9478-H	5	2-150	B-107	4	
	7/#6	M-9479	4	200	B-106	4	M-9479-H	5	2-150	B-107	4	
	7/#7	M-9417	4	150	B-106	4	M-9417-H	4	250	B-106	4	
	7/#8	M-9480	4	150	B-106	2	M-9480-H	4	250	B-106	4	
	19/#7	M-9481	5	2-150	B-107	4	M-9481-H	5	500	B-107	2	
	19/#8	M-9482	5	2-150	B-107	4	M-9482-H	5	500	B-107	4	
	19/#9	M-9431	4	250	B-106	4	M-9431-H	5	2-200	B-107	4	
	7/#5	M-9483	4	200	B-106	4	M-9483-H	5	2-150	B-107	4	
	7/#6	M-9484	4	200	B-106	4	M-9484-H	5	2-150	B-107	4	
	7/#7	M-9430	4	150	B-106	4	M-9430-H	4	250	B-106	4	
	7/#8	M-9485	4	150	B-106	4	M-9485-H	4	250	B-106	4	
	19/#6	M-9486	5	2-200	B-107	2	M-9486-H	6	3-200	B-107	4	
	19/#7	M-9487	5	2-150	B-107	4	M-9487-H	5	500	B-107	4	
	19/#8	M-9488	5	2-150	B-107	4	M-9488-H	5	500	B-107	4	
	19/#9	M-9489	4	250	B-106	2	M-9489-H	5	2-200	B-107	4	
	7/#5	M-9490	4	200	B-106	4	M-9490-H	5	2-150	B-107	4	
	7/#6	M-9491	4	200	B-106	4	M-9491-H	5	2-150	B-107	4	
	7/#7	M-9492	4	150	B-106	4	M-9492-H	4	250	B-106	4	
	7/#8	M-9493	4	150	B-106	4	M-9493-H	4	250	B-106	4	

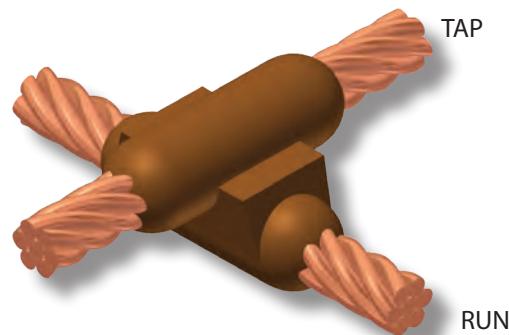
- For sizes not listed, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles) 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

CC-11

TYPE MOLDS

*Horizontal to Horizontal Cable Cross (Uncut)**For Copper-Clad Steel Conductors*

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS					
Cable		Mold #	Price Key	Weld Metal	Handle Clamps
Run	Tap				Lead Time
7/#10	7/#10	M-9494	22	90	B-106
7/#8	7/#8	M-9133	22	150	B-106
	7/#10	M-9495	22	115	B-106
	7/#7	M-9443	22	200	B-106
7/#7	7/#8	M-9702	22	200	B-106
	7/#10	M-9496	22	150	B-106
	7/#6	M-9245	22	250	B-106
7/#6	7/#7	M-9497	22	200	B-106
	7/#8	M-9498	22	200	B-106
	7/#10	M-9499	22	150	B-106
	7/#5	M-9134	22	250	B-106
7/#5	7/#6	M-9500	22	250	B-106
	7/#7	M-9394	22	200	B-106
	7/#8	M-9135	22	200	B-106
	19/#9	M-9186	22	2-150	B-106
19/#9	7/#5	M-9501	22	2-150	B-106
	7/#6	M-9502	22	2-150	B-106
	7/#7	M-9503	22	250	B-106
	7/#8	M-9504	22	250	B-106
19/#8	19/#8	M-9043	23	2-200	B-107
	19/#9	M-9505	23	2-200	B-107
	7/#5	M-9048	22	2-150	B-106
	7/#6	M-9506	22	2-150	B-106
	7/#7	M-9507	22	250	B-106
	7/#8	M-9508	22	250	B-106
19/#7	19/#7	M-9444	23	500	B-107
	19/#8	M-9509	23	500	B-107
	19/#9	M-9510	23	500	B-107
	7/#5	M-9511	23	2-200	B-107
	7/#6	M-9512	23	2-200	B-107
	7/#7	M-9513	22	2-150	B-106
	7/#8	M-9514	22	2-150	B-106
19/#6	19/#6	M-9515	23	3-250	B-107
	19/#7	M-9516	23	3-200	B-107
	19/#8	M-9517	23	3-200	B-107
	19/#9	M-9518	23	500	B-107
	7/#5	M-9395	23	500	B-107
	7/#6	M-9519	23	500	B-107
	7/#7	M-9520	23	2-200	B-107
	7/#8	M-9521	22	2-150	B-106

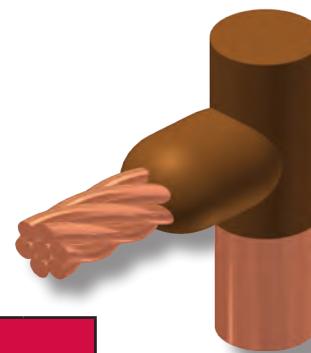


Section 3 - Molds
Copper-Clad Steel Conductors

- For sizes not listed, contact thermOweld®.
- For heavy duty connections or molds with wear plates, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles) 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

CR-1

TYPE MOLDS

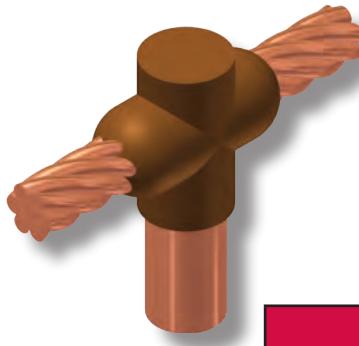
*Horizontal Cable Terminal to Ground Rod**For Copper-Clad Steel Conductors*

Ground Rod Size	Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	7/#10	M-9522	4	65	B-106	4	M-9522-H	4	90	B-106	4
	7/#8	M-9523	4	90	B-106	4	M-9523-H	4	115	B-106	4
	7/#7	M-9164	4	90	B-106	4	M-9164-H	4	150	B-106	4
	7/#6	M-9524	4	90	B-106	4	M-9524-H	4	150	B-106	4
	7/#5	M-9525	4	90	B-106	4	M-9525-H	4	150	B-106	4
	19/#9	M-9165	4	90	B-106	4	M-9165-H	4	150	B-106	4
	19/#8	M-9526	4	90	B-106	4	M-9526-H	4	150	B-106	4
5/8"	7/#10	M-9095	4	65	B-106	4	M-9095-H	4	90	B-106	4
	7/#8	M-9096	4	90	B-106	2	M-9096-H	4	115	B-106	4
	7/#7	M-9166	4	90	B-106	2	M-9166-H	4	115	B-106	4
	7/#6	M-9294	4	90	B-106	2	M-9294-H	4	150	B-106	4
	7/#5	M-9097	4	90	B-106	2	M-9097-H	4	150	B-106	4
	19/#9	M-9167	4	90	B-106	2	M-9167-H	4	150	B-106	4
	19/#8	M-9168	4	115	B-106	2	M-9168-H	4	200	B-106	4
	19/#7	M-9098	4	150	B-106	4	M-9098-H	4	250	B-106	4
	19/#6	M-9530	4	150	B-106	4	M-9530-H	4	250	B-106	4
	7/#10	M-9436	4	90	B-106	4	M-9436-H	4	115	B-106	4
3/4"	7/#8	M-9099	4	90	B-106	2	M-9099-H	4	150	B-106	4
	7/#7	M-9390	4	90	B-106	2	M-9390-H	4	150	B-106	4
	7/#6	M-9381	4	90	B-106	2	M-9381-H	4	150	B-106	2
	7/#5	M-9100	4	90	B-106	2	M-9100-H	4	150	B-106	4
	19/#9	M-9319	4	90	B-106	4	M-9319-H	4	150	B-106	4
	19/#8	M-9101	4	115	B-106	4	M-9101-H	4	200	B-106	4
	19/#7	M-9428	4	150	B-106	4	M-9428-H	4	250	B-106	4
	19/#6	M-9329	4	150	B-106	4	M-9329-H	4	250	B-106	4
	7/#10	M-9533	4	150	B-106	4	M-9533-H	4	200	B-106	4
	7/#8	M-9534	4	150	B-106	4	M-9534-H	4	200	B-106	4
1"	7/#7	M-9535	4	150	B-106	4	M-9535-H	4	200	B-106	4
	7/#6	M-9002	4	150	B-106	4	M-9002-H	4	250	B-106	4
	7/#5	M-9536	4	150	B-106	4	M-9536-H	4	250	B-106	4
	19/#9	M-9537	4	150	B-106	4	M-9537-H	4	250	B-106	4
	19/#8	M-9538	4	200	B-106	4	M-9538-H	5	2-150	B-107	4
	19/#7	M-9539	4	200	B-106	4	M-9539-H	5	2-150	B-107	4
	19/#6	M-9540	4	200	B-106	4	M-9540-H	5	2-150	B-107	4

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

NOTES

1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.



CR-2

TYPE MOLDS

*Horizontal Cable to Ground Rod
For Copper-Clad Steel Conductors*

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS											
Ground Rod Size	Cable Size	STANDARD CONNECTION				HEAVY DUTY CONNECTION					
		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	7/#10	M-9543	4	90	B-106	4	M-9543-H	4	150	B-106	4
	7/#8	M-9544	4	90	B-106	4	M-9544-H	4	150	B-106	4
	7/#7	M-9169	4	90	B-106	4	M-9169-H	4	150	B-106	4
	7/#6	M-9545	4	115	B-106	4	M-9545-H	4	200	B-106	4
	7/#5	M-9102	4	150	B-106	4	M-9102-H	4	250	B-106	4
	19/#9	M-9170	4	150	B-106	4	M-9170-H	4	250	B-106	4
	19/#8	M-9546	4	200	B-106	4	M-9546-H	5	2-150	B-107	4
5/8"	7/#10	M-9550	4	90	B-106	2	M-9550-H	4	150	B-106	4
	7/#8	M-9103	4	115	B-106	4	M-9103-H	4	200	B-106	4
	7/#7	M-9171	4	115	B-106	2	M-9171-H	4	200	B-106	4
	7/#6	M-9297	4	115	B-106	2	M-9297-H	4	200	B-106	4
	7/#5	M-9104	4	150	B-106	2	M-9104-H	4	250	B-106	4
	19/#9	M-9105	4	150	B-106	2	M-9105-H	4	250	B-106	4
	19/#8	M-9106	4	200	B-106	2	M-9106-H	5	2-150	B-107	4
3/4"	7/#7	M-9172	4	250	B-106	2	M-9172-H	5	2-200	B-107	4
	19/#7	M-9107	4	250	B-106	4	M-9107-H	5	2-200	B-107	4
	7/#10	M-9552	4	90	B-106	4	M-9552-H	4	150	B-106	4
	7/#8	M-9108	4	115	B-106	2	M-9108-H	4	200	B-106	4
	7/#7	M-9287	4	115	B-106	2	M-9287-H	4	200	B-106	4
	7/#6	M-9380	4	115	B-106	2	M-9380-H	4	200	B-106	4
	7/#5	M-9109	4	150	B-106	2	M-9109-H	4	250	B-106	4
1"	19/#9	M-9110	4	150	B-106	2	M-9110-H	4	250	B-106	4
	19/#8	M-9111	4	200	B-106	4	M-9111-H	5	2-150	B-107	4
	19/#7	M-9320	4	250	B-106	4	M-9320-H	5	2-200	B-107	4
	19/#6	M-9291	4	250	B-106	4	M-9291-H	5	2-200	B-107	2
	7/#10	M-9554	4	150	B-106	4	M-9554-H	4	250	B-106	2
	7/#8	M-9699	4	150	B-106	4	M-9699-H	4	250	B-106	4
	7/#7	M-9555	4	150	B-106	4	M-9555-H	4	250	B-106	4
1"	7/#6	M-9556	4	150	B-106	4	M-9556-H	4	250	B-106	4
	7/#5	M-9557	4	200	B-106	4	M-9557-H	5	2-150	B-107	4
	19/#9	M-9558	4	200	B-106	4	M-9558-H	5	2-150	B-107	4
	19/#8	M-9559	4	200	B-106	4	M-9559-H	5	2-150	B-107	4
	19/#7	M-9560	4	250	B-106	4	M-9560-H	5	2-200	B-107	4
	19/#6	M-9561	4	250	B-106	4	M-9561-H	5	2-200	B-107	4

NOTES

1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

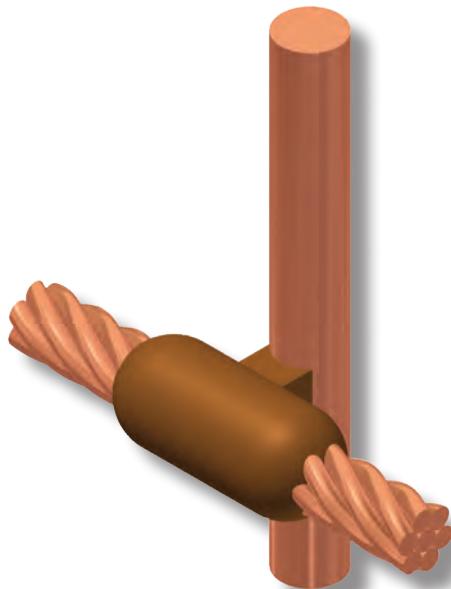
• For sizes not listed, contact thermOweld®.

- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles) 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

Section 3 - Molds
Copper-Clad Steel Conductors

CR-3**TYPE MOLDS**

**Horizontal Thru Cable to Ground Rod
For Copper-Clad Steel Conductors**

**NOTES**

1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS

Ground Rod Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	7/#10	M-9563	24	90	B-106	4
	7/#8	M-9564	24	115	B-106	4
	7/#7	M-9439	24	115	B-106	4
	7/#6	M-9565	24	150	B-106	4
	7/#5	M-9440	24	150	B-106	4
	19/#9	M-9387	24	150	B-106	4
	19/#8	M-9566	24	200	B-106	4
	7/#10	M-9567	24	90	B-106	4
	7/#8	M-9278	24	115	B-106	4
5/8"	7/#7	M-9568	24	115	B-106	2
	7/#6	M-9276	24	150	B-106	2
	7/#5	M-9143	24	150	B-106	2
	19/#9	M-9336	24	150	B-106	2
	19/#8	M-9569	24	200	B-106	4
	19/#7	M-9335	13	2-150	B-107	4
	19/#6	M-9570	13	2-200	B-107	4
	7/#10	M-9571	24	90	B-106	2
	7/#8	M-9049	24	115	B-106	4
3/4"	7/#7	M-9271	24	115	B-106	4
	7/#6	M-9268	24	150	B-106	4
	7/#5	M-9226	24	200	B-106	2
	19/#9	M-9142	24	200	B-106	2
	19/#8	M-9572	24	250	B-106	4
	19/#7	M-9573	13	2-200	B-107	4
	19/#6	M-9328	13	500	B-107	4
	7/#10	M-9574	24	90	B-106	4
	7/#8	M-9349	24	115	B-106	4
1"	7/#7	M-9575	24	115	B-106	4
	7/#6	M-9576	24	150	B-106	4
	7/#5	M-9577	24	200	B-106	4
	19/#9	M-9578	24	200	B-106	4
	19/#8	M-9579	24	250	B-106	4
	19/#7	M-9580	13	2-200	B-107	4
	19/#6	M-9581	13	500	B-107	4

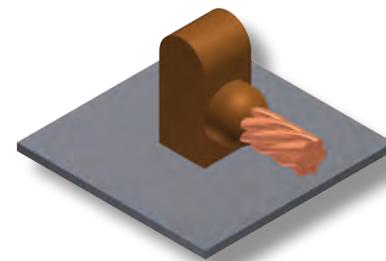
- **For sizes not listed, contact thermOweld®.**
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

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CS-1**TYPE MOLDS***Horizontal Cable to Horizontal Steel Surface**For Copper-Clad Steel Conductors*

Note that the cable is OFF the surface

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS										
Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	M-9582	4	90	B-106	4	M-9582-H	4	150	B-106	4
7/#8	M-9583	4	90	B-106	4	M-9583-H	4	150	B-106	4
7/#7	M-9191	4	90	B-106	2	M-9191-H	4	150	B-106	4
7/#6	M-9584	4	115	B-106	2	M-9584-H	4	200	B-106	4
7/#5	M-9144	4	115	B-106	4	M-9144-H	4	200	B-106	4
19/#9	M-9193	4	115	B-106	4	M-9193-H	4	200	B-106	2
19/#8	M-9585	4	150	B-106	4	M-9585-H	4	250	B-106	4
19/#7	M-9192	4	200	B-106	4	M-9192-H	5	2-150	B-107	4
19/#6	M-9698	4	200	B-106	4	M-9698-H	5	2-150	B-107	4

**CS-8****TYPE MOLDS***Horizontal Cable to Horizontal Steel Surface**For Copper-Clad Steel Conductors*

Note that the cable is ON the surface

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS										
Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	M-9656	3+	65	Included	4	M-9656-H	4	115	B-106	4
7/#8	M-9661	4	90	B-106	4					
7/#7	M-9270	4	90	B-106	2					
7/#6	M-9668	4	115	B-106	4					
7/#5	M-9326	4	115	B-106	4					
19/#9	M-9341	4	115	B-106	2					
19/#8	M-9675	4	150	B-106	2					
19/#7	M-9676	4	200	B-106	4					
19/#6	M-9677	4	200	B-106	4					



- For sizes not listed, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - + Sold Complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3, CS-8 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 7/#8 & Larger Molds (CS-8 Molds Only)

Welding to Horizontal Pipe: To weld to horizontal pipe, add pipe size to mold number. Example: To weld 7/#6 copper-clad steel cable to 6" horizontal pipe, the mold number would be M-9584-6. To weld 7/#8 copper-clad steel cable or smaller to pipe 14" and larger, use flat surface mold. For 7/#7 copper-clad steel cable and larger, use flat surface mold only on pipe 30" and larger.

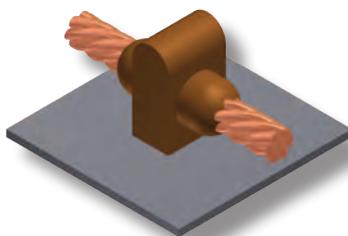
CS-2

TYPE MOLDS

Horizontal Thru Cable to Horizontal Steel Surface

For Copper-Clad Steel Conductors

Note that the cable is OFF the surface



Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	M-9586	4	90	B-106	4	M-9586-H	4	150	B-106	4
7/#8	M-9587	4	90	B-106	4	M-9587-H	4	150	B-106	4
7/#7	M-9588	4	115	B-106	4	M-9588-H	4	200	B-106	4
7/#6	M-9141	4	150	B-106	2	M-9141-H	4	250	B-106	4
7/#5	M-9140	4	150	B-106	4	M-9140-H	4	250	B-106	4
19/#9	M-9589	4	150	B-106	4	M-9589-H	4	250	B-106	4
19/#8	M-9590	4	200	B-106	4	M-9590-H	5	2-150	B-107	4
19/#7	M-9591	4	250	B-106	4	M-9591-H	5	2-200	B-107	4
19/#6	M-9592	5	2-150	B-107	4	M-9592-H	5	500	B-107	4

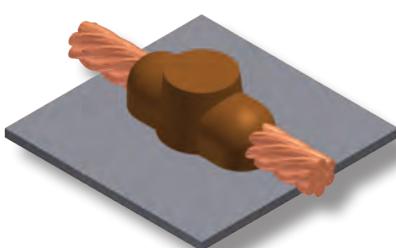
CS-9

TYPE MOLDS

Horizontal Thru Cable to Horizontal Steel Surface

For Copper-Clad Steel Conductors

Note that the cable is ON the surface



Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	M-9629	3†	65	Included	4	M-9629-H	4	115	B-106	4
7/#8	M-9630	4	90	B-106	4	M-9630-H	4	150	B-106	4
7/#7	M-9631	4	115	B-106	4	M-9631-H	4	200	B-106	4
7/#6	M-9632	4	150	B-106	4	M-9632-H	4	250	B-106	4
7/#5	M-9633	4	150	B-106	4	M-9633-H	4	250	B-106	4
19/#9	M-9634	4	150	B-106	4	M-9634-H	4	250	B-106	4
19/#8	M-9635	4	200	B-106	4	M-9635-H	5	2-150	B-107	4
19/#7	M-9636	4	250	B-106	4	M-9636-H	5	2-200	B-107	4
19/#6	M-9637	5	2-150	B-107	4	M-9637-H	5	500	B-107	4

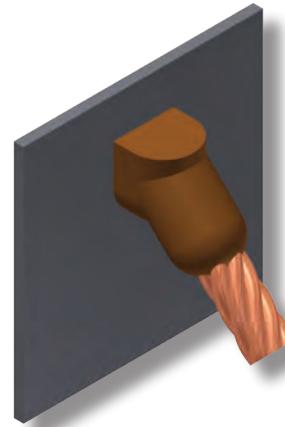
- For sizes not listed, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 7/#8 & Larger Molds (CS-9 Molds Only)

Welding to Horizontal Pipe: To weld to horizontal pipe, add pipe size to mold number. Example: To weld 7/#6 copper-clad steel cable to 6" horizontal pipe, the mold number would be M-9141-6. To weld 7/#8 copper-clad steel cable or smaller to pipe 14" and larger, use flat surface mold. For 7/#7 copper-clad steel cable and larger, use flat surface mold only on pipe 30" and larger.

CS-3**TYPE MOLDS**

*Angular Cable Drop to Vertical Steel Surface
For Copper-Clad Steel Conductors*

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS												
Cable Size	STANDARD CONNECTION				HEAVY DUTY CONNECTION							
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time		
7/#10	M-9112	4	65	B-106	4			M-9112-H	4	115	B-106	4
7/#8	M-9113	4	90	B-106	4			M-9113-H	4	150	B-106	4
7/#7	M-9173	4	90	B-106	3			M-9173-H	4	150	B-106	4
7/#6	M-9114	4	115	B-106	4			M-9114-H	4	200	B-106	2
7/#5	M-9115	4	115	B-106	4			M-9115-H	4	200	B-106	2
19/#9	M-9174	4	115	B-106	2			M-9174-H	4	200	B-106	2
19/#8	M-9116	4	150	B-106	4			M-9116-H	4	250	B-106	4
19/#7	M-9175	4	200	B-106	4			M-9175-H	5	2-150	B-107	4
19/#6	M-9117	4	200	B-106	4			M-9117-H	5	2-150	B-107	4

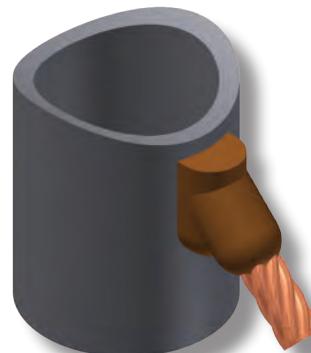


Welding to Vertical Pipe: To weld to vertical pipe, add pipe size to mold number. Example: To weld 7/#6 copper-clad steel cable to 6" vertical pipe, the mold number would be M-9114-V6. To weld 7/#8 copper-clad steel cable or smaller to pipe 14" and larger, use flat surface mold. For 7/#7 copper-clad steel cable and larger, use flat surface mold only on pipe 30" and larger.

CS-3**TYPE MOLDS**

*Angular Cable Drop to Vertical Steel Pipe
For Copper-Clad Steel Conductors*

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS						
Cable Size	Pipe Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	1 1/4" to 4"	M-9678	4	65	B-106	4
	4" to 6"	M-9679	4	65	B-106	4
	6" to 10"	M-9680	4	65	B-106	4
	12" to 30"	M-9681	4	65	B-106	4
7/#8	1 1/4" to 4"	M-9682	4	90	B-106	2
	4" to 6"	M-9683	4	90	B-106	4
	6" to 10"	M-9684	4	90	B-106	4
	12" to 30"	M-9685	4	90	B-106	4
7/#7	1 1/4" to 4"	M-9686	4	90	B-106	2
	4" to 6"	M-9687	4	90	B-106	2
	6" to 10"	M-9688	4	90	B-106	4
	12" to 30"	M-9689	4	90	B-106	4
7/#6	1 1/4" to 4"	M-9298	4	115	B-106	4
	4" to 6"	M-9691	4	115	B-106	2
	6" to 10"	M-9692	4	115	B-106	4
	12" to 30"	M-9693	4	115	B-106	4
7/#5	1 1/4" to 4"	M-9694	4	115	B-106	4
	4" to 6"	M-9695	4	115	B-106	2
	6" to 10"	M-9696	4	115	B-106	2
	12" to 30"	M-9697	4	115	B-106	4



- For sizes not listed, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
40-0106-32 ~ Vertical Chain Clamp w/ B-106 Handles for 4" Pipe & smaller
40-0106-27 ~ 20" Chain Extension for 4" to 10" Pipe Use (2) 20" Chain Extensions for pipe sizes between 10" and 16"
40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp

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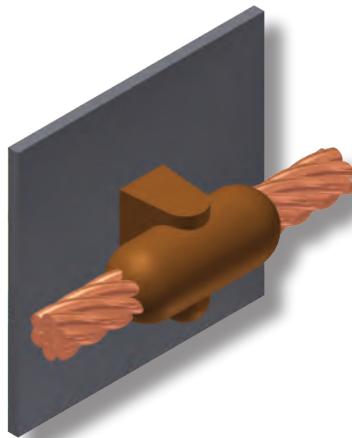
CS-6

TYPE MOLDS

Horizontal Thru Cable to Vertical Steel Surface

For Copper-Clad Steel Conductors

Note that the cable is OFF the surface



MOLDS FOR COPPER-CLAD STEEL CONDUCTORS

Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	M-9597	4	90	B-106	2
7/#8	M-9598	4	115	B-106	4
7/#7	M-9599	4	115	B-106	4
7/#6	M-9600	4	150	B-106	4
7/#5	M-9266	4	150	B-106	4
19/#9	M-9399	4	150	B-106	4

Welding to Vertical Pipe: To weld to vertical pipe, add pipe size to mold number. Example: To weld 7/#6 copper-clad steel cable to 6" vertical pipe, the mold number would be M-9600-V6. To weld 7/#8 copper-clad steel cable or smaller to pipe 14" and larger, use flat surface mold. For 7/#7 copper-clad steel cable and larger, use flat surface mold only on pipe 30" and larger.

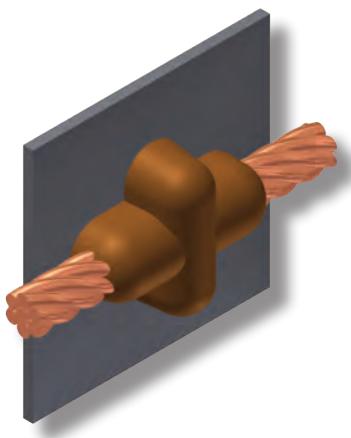
CS-27

TYPE MOLDS

Horizontal Thru Cable to Vertical Steel Surface

For Copper-Clad Steel Conductors

Note that the cable is ON the surface



MOLDS FOR COPPER-CLAD STEEL CONDUCTORS

Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	M-9650	4	65	B-106	4
7/#8	M-9651	4	115	B-106	4
7/#7	M-9652	4	115	B-106	4
7/#6	M-9653	4	150	B-106	4
7/#5	M-9654	4	150	B-106	4
19/#9	M-9655	4	150	B-106	4

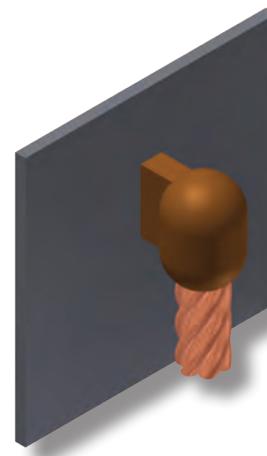
Welding to Vertical Pipe: Use Weld Type CS-6 above.

- **For sizes not listed, contact thermOweld®.**
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles) 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500 (CS-6 Molds Only)
 - 40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 7/#8 & Larger Molds (CS-27 Molds Only)

CS-23**TYPE MOLDS***Vertical Cable Drop to Vertical Steel Surface**For Copper-Clad Steel Conductors*

Note that the cable is OFF the surface

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS										
Cable Size	STANDARD CONNECTION				HEAVY DUTY CONNECTION					
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	M-9438	4	65	B-106	2	M-9438-H	4	115	B-106	4
7/#8	M-9601	4	115	B-106	2	M-9601-H	4	200	B-106	4
7/#7	M-9602	4	115	B-106	2	M-9602-H	4	200	B-106	4
7/#6	M-9412	4	150	B-106	2	M-9412-H	4	250	B-106	4
7/#5	M-9375	4	150	B-106	4	M-9375-H	4	250	B-106	4
19/#9	M-9603	4	200	B-106	2	M-9603-H	17	2-150	B-106	2
19/#8	M-9604	4	200	B-106	4	M-9604-H	17	2-150	B-106	4
19/#7	M-9605	4	250	B-106	4	M-9605-H	5	2-200	B-107	4
19/#6	M-9361	17	2-150	B-106	4	M-9361-H	6	500	B-107	4

**CS-7****TYPE MOLDS***Overhead Vertical Tap Cable to Vertical Steel Surface**For Copper-Clad Steel Conductors*

Note that the cable is ON the surface

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS										
Cable Size	STANDARD CONNECTION				HEAVY DUTY CONNECTION					
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	M-9644	4	90	B-106	4	M-9644-H	4	150	B-106	4
7/#8	M-9645	4	150	B-106	4	M-9645-H	17	250	B-106	4
7/#7	M-9397	4	150	B-106	4	M-9397-H	17	250	B-106	4
7/#6	M-9413	17	200	B-106	4	M-9413-H	6	2-150	B-107	4
7/#5	M-9398	17	200	B-106	4	M-9398-H	6	2-150	B-107	4
19/#9	M-9646	17	200	B-106	2	M-9646-H	6	2-150	B-107	4
19/#8	M-9647	17	250	B-106	4	M-9647-H	6	2-200	B-107	4
19/#7	M-9648	6	2-150	B-107	4	M-9648-H	6	500	B-107	4
19/#6	M-9649	6	2-200	B-107	4	M-9649-H	6	3-200	B-107	4



- For sizes not listed, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp

Welding to Vertical Pipe: To weld to vertical pipe, add pipe size to mold number. Example: To weld 7/#6 copper-clad steel cable to 6" vertical pipe, the mold number would be M-9412-V6. To weld 7/#8 copper-clad steel cable or smaller to pipe 14" and larger, use flat surface mold. For 7/#7 copper-clad steel cable and larger, use flat surface mold only on pipe 30" and larger.

CS-4

TYPE MOLDS

Horizontal Thru Cable to Vertical Steel Surface

For Copper-Clad Steel Conductors



MOLDS FOR COPPER-CLAD STEEL CONDUCTORS										
Cable Size	STANDARD CONNECTION					HEAVY DUTY CONNECTION				
	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	M-9118	4	115	B-106	4	M-9118-H	17	250	B-106	4
7/#8	M-9594	17	200	B-106	4	M-9594-H	6	2-200	B-107	4
7/#7	M-9176	17	200	B-106	2	M-9176-H	6	2-200	B-107	4
7/#6	M-9119	17	250	B-106	4	M-9119-H	6	500	B-107	4
7/#5	M-9272	17	250	B-106	4	M-9272-H	6	500	B-107	4
19/#9	M-9177	17	250	B-106	4	M-9177-H	6	500	B-107	4
19/#8						M-9595-H	6	3-200	B-107	4
19/#7	Use Heavy Duty Connections					M-9178-H	6	3-200	B-107	4
19/#6						M-9596-H	6	3-200	B-107	4

Welding to Vertical Pipe: To weld to vertical pipe, add pipe size to mold number. Example: To weld 7/#6 copper-clad steel cable to 6" vertical pipe, the mold number would be M-9119-V6. To weld 7/#8 copper-clad steel cable or smaller to pipe 14" and larger, use flat surface mold. For 7/#7 copper-clad steel cable and larger, use flat surface mold only on pipe 30" and larger.

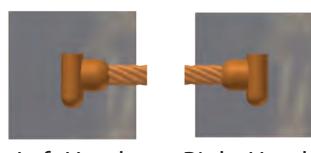
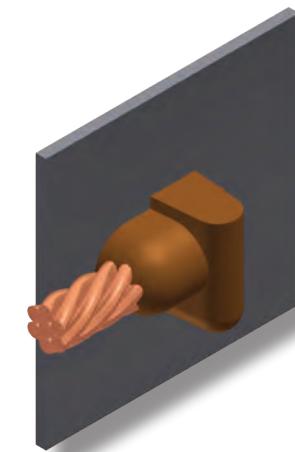
CS-18

TYPE MOLDS

Horizontal Tap Cable to Vertical Steel Surface

For Copper-Clad Steel Conductors

Note that the cable is ON the surface



Left Hand Mold

Right Hand Mold

MOLDS FOR COPPER-CLAD STEEL CONDUCTORS

Cable Size	Mold #†	Price Key	Weld Metal	Handle Clamps	Lead Time
7/#10	M-9638	4	65	B-106	4
7/#8	M-9639	4	90	B-106	4
7/#7	M-9640	4	90	B-106	4
7/#6	M-9641	4	115	B-106	4
7/#5	M-9642	4	115	B-106	4
19/#9	M-9643	4	115	B-106	4

† Add (RH) to mold number for right hand mold or (LH) for left hand mold. Right hand (RH) mold will be furnished if none specified. EXAMPLE: M-9640-LH

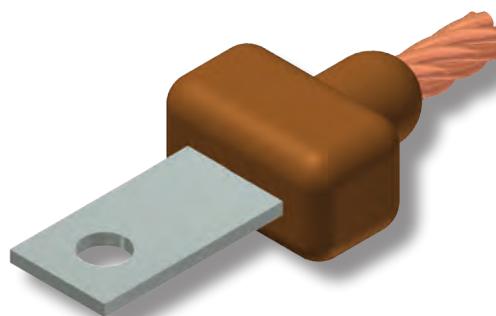
Welding to Horizontal Pipe: To weld to horizontal pipe, add pipe size to mold number. Example: To weld 7/#6 copper-clad steel cable to 6" horizontal pipe, the mold number would be M-9641-L6.

- For sizes not listed, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools:
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp
38-4129-00 ~ Packing Material for 7/#8 & Larger Molds (CS-18 Molds Only)

CB-1**TYPE MOLDS**

*Horizontal Cable Tap to Horizontal Lug or Bus
For Copper-Clad Steel Conductors*

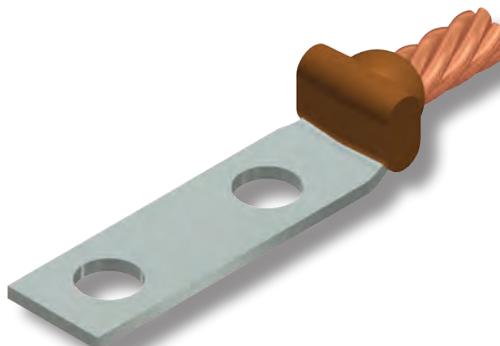
See pages 8-184, 8-185, and 8-186 for Lug part numbers.



MOLDS FOR COPPER-CLAD STEEL CONDUCTORS						
Cable Size	Lug Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7#10	3/16 X 1	M-9607	4	65	B-106	4
7/#8	3/16 X 1	M-9701	4	65	B-106	4
	1/4 X 1	M-9121	4	65	B-106	4
7/#7	3/16 X 1	M-9609	4	90	B-106	4
	1/4 X 1	M-9126	4	90	B-106	4
7/#6	3/16 X 1	M-9410	4	90	B-106	4
	1/4 X 1	M-9613	4	90	B-106	4
	1/4 X 1 1/2	M-9127	4	90	B-106	4
7/#5	3/16 X 1	M-9617	4	90	B-106	2
	1/4 X 1	M-9445	4	90	B-106	4
	1/4 X 1 1/2	M-9228	4	90	B-106	4
19/#9	3/16 X 1	M-9181	4	90	B-106	2
	1/4 X 1	M-9620	4	90	B-106	2
	1/4 X 1 1/2	M-9182	4	90	B-106	2
19/#8	1/4 X 1	M-9129	4	115	B-106	4
	1/4 X 1 1/2	M-9131	4	115	B-106	4
19/#7	1/4 X 1	M-9446	4	150	B-106	2
	1/4 X 1 1/2	M-9185	4	150	B-106	4
19/#6	1/4 X 1	M-9625	4	200	B-106	4
	1/4 X 1 1/2	M-9263	4	200	B-106	4

CB-33**TYPE MOLDS**

*Horizontal Cable Tap to Horizontal Lug or Bus
For Copper-Clad Steel Conductors*



MOLDS FOR COPPER-CLAD STEEL CONDUCTORS						
Cable Size	Lug Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
7#10	1/8 X 1	M-9365	4	32	B-106	4
7/#8	1/8 X 1	M-9366	4	45	B-106	4
7/#7	1/8 X 1	M-9367	4	45	B-106	4
7/#6	1/8 X 1	M-9368	4	65	B-106	4
7/#5	1/8 X 1	M-9369	4	65	B-106	4
19/#9	3/16 X 1	M-9370	4	65	B-106	2
19/#8	3/16 X 1	M-9371	4	90	B-106	4
19/#7	3/16 X 1	M-9372	4	90	B-106	4
19/#6	1/4 X 1	M-9373	4	115	B-106	4

Section 3 - Molds
Copper-Clad Steel Conductors

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles) 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush



Section 4 - Molds
Lightning Protection Conductors

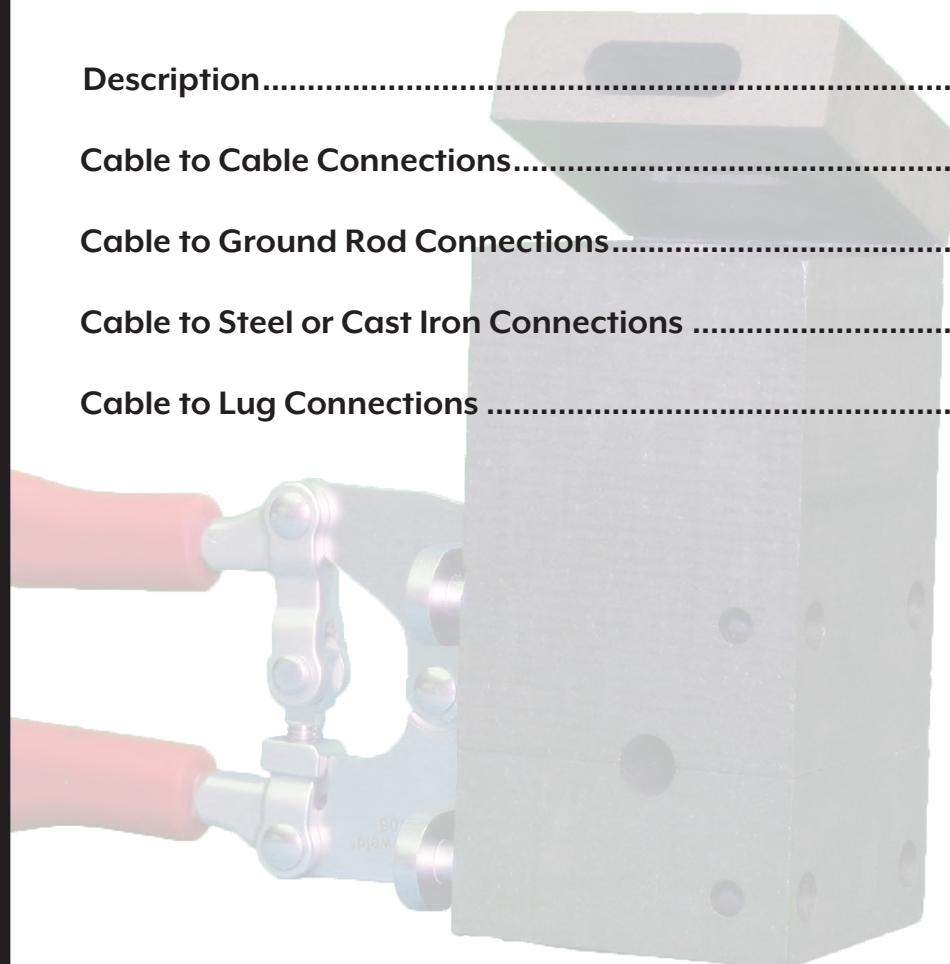
Section 4

Molds

for use with

Lightning Protection Conductors

Description.....	Page #
Cable to Cable Connections.....	4-101
Cable to Ground Rod Connections.....	4-104
Cable to Steel or Cast Iron Connections	4-109
Cable to Lug Connections	4-115



Section 4 - Molds
Lightning Protection Conductors

MOLDS

Lightning Protection Conductors

Weld Type	
	AC-1
	AC-2
	CB-1
	CC-1
	CC-2
	CC-4
	CR-1

Weld Type	
	CR-2
	CR-3
	CR-18
	CR-36
	CS-1
	CS-2
	CS-3
	CS-4

Weld Type	
	CS-6
	CS-7
	CS-8
	CS-9
	CS-18
	CS-27
	Rebar Bond

Additional configurations available, contact thermOweld®.

Use the chart below to determine the cable code. Then select the weld connection type needed and then find the corresponding cable code to acquire the mold number, price key and cartridge size.

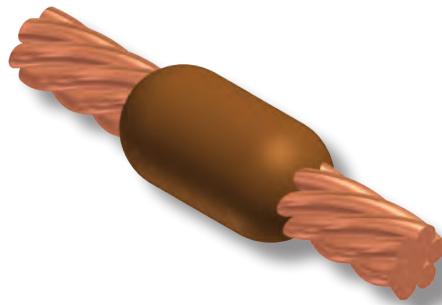
CABLE CODE	thermOweld	THOMPSON	ROBBINS	INDEPENDENT	AC	EAST COAST	HEARY	HARGER®	PREFERRED	ERICO®
A	36-7563-00, 36-7563-01	14	11A, 10	22	C-150	C14	HB6C	14	C61, C63	
B	36-7563-02, 36-7563-03	509	11		C-152		HB4C	10	C62	
C	36-7562-00, 36-7562-01, 36-7562-02, 36-7562-03, 36-7562-04, 36-7561-00, 36-7561-01	29X, 32	1	32S	C-122, C-122L	C29, C32	HB29-17C, HB32-17C	29, 30, 32, 33	C50, C50T, C51, C52, C52T, C53, C56-19	LPC120, LPC121, LPC122, LPC120L, LPC122L
D	36-7562-06, 36-7561-08, 36-7562-07, 36-7557-00, 36-7557-01	32S, 505, 28R	601, 603	20, 500	C-125, C-126, C-128	C385	HB24-14C, HB28-14C	25, 35, 28	C54, C55, C58	LPC125, LPC126, LPC126L, LPC128
E			604	40, G1						
F	36-7557-02, 36-7557-03, 36-7561-02, 36-7561-03	36S, 506	602	36S	C-123, C-127		HB36-17C, BH28B-13C	20, 36	C56R	LPC123, LPC127
G				501, 21, 44S, 40S	C-124		HB40-17C	40		LPC124
H				502						
J				501B						
K		507		G3				38		
L				502A						
Q	36-7561-04*, 36-7561-06*, 36-7561-07*		605*		C-137*	C4/0-19*	HB122-4/0*	54*, 64*	C59-19*, C59-37*	LPC137*

* = 4/0 CONCENTRIC CABLE

CC-1

TYPE MOLDS

Horizontal End to End
For Lightning Protection Conductors



MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

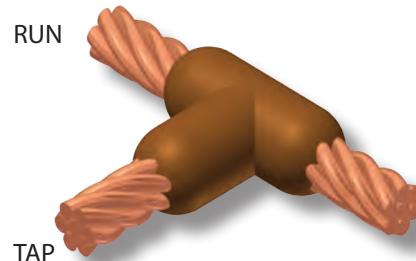
Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
A	M-5002	4	25	B-106	4
B	M-5006	4	45	B-106	4
C	M-5032	4	65	B-106	2
D	M-5012	4	90	B-106	2
E	M-5013	4	90	B-106	2
F	M-5016	4	90	B-106	2
G	M-5005	4	115	B-106	2
H	M-2176	4	115	B-106	4
J	M-2178	4	115	B-106	4
K	M-2180	4	115	B-106	2
L	M-2182	4	150	B-106	4
Q	M-5077	4	90	B-106	SDS

- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections , contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

CC-2

TYPE MOLDS

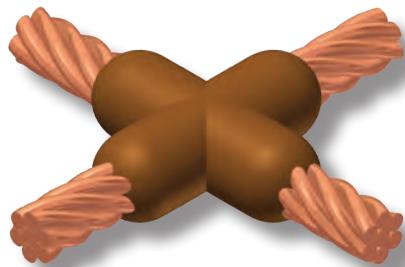
*Horizontal Cable Tap to Horizontal Cable Run
For Lightning Protection Conductors*



MOLDS FOR LIGHTNING PROTECTION CONDUCTORS						
Cable Code		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
A	A	M-5050	4	45	B-106	4
B	B	M-5056	4	65	B-106	2
	A	M-2183	4	45	B-106	4
C	C	M-5048	4	115	B-106	2
	B	M-2186	4	90	B-106	4
	A	M-2184	4	65	B-106	2
D	D	M-5287	4	115	B-106	2
	C	M-5040	4	90	B-106	2
	B	M-2185	4	90	B-106	4
	A	M-5288	4	65	B-106	2
E	E	M-5023	4	150	B-106	2
	D	M-5284	4	150	B-106	2
	C	M-2187	4	115	B-106	2
	B	M-2192	4	90	B-106	4
	A	M-5286	4	90	B-106	4
F	F	M-2193	4	150	B-106	2
	E	M-5014	4	150	B-106	2
	D	M-5015	4	115	B-106	2
	C	M-2194	4	115	B-106	2
	B	M-5019	4	90	B-106	2
	A	M-5017	4	90	B-106	2
	Q	M-5018	4	150	B-106	4
G	G	M-2195	4	150	B-106	2
	F	M-2197	4	150	B-106	4
	E	M-2222	4	150	B-106	4
	D	M-2223	4	115	B-106	4
	C	M-2224	4	115	B-106	4
	B	M-2225	4	90	B-106	4
	A	M-2226	4	90	B-106	4
	Q	M-2227	4	150	B-106	4
H	H	M-2228	4	150	B-106	4
	G	M-2229	4	150	B-106	4
	F	M-2230	4	150	B-106	4
	E	M-2231	4	150	B-106	4
	D	M-2232	4	115	B-106	4
	C	M-2233	4	115	B-106	4
	B	M-2234	4	90	B-106	4
	A	M-2843	4	90	B-106	4
	Q	M-2236	4	150	B-106	4
J	J	M-2237	4	200	B-106	4
	H	M-2238	4	150	B-106	4
	G	M-2239	4	150	B-106	4
	F	M-2240	4	150	B-106	4
	E	M-2241	4	150	B-106	4
	D	M-2242	4	150	B-106	4
	C	M-2243	4	115	B-106	4
	B	M-2244	4	90	B-106	4
	A	M-2245	4	90	B-106	4
	Q	M-2246	4	150	B-106	4

MOLDS FOR LIGHTNING PROTECTION CONDUCTORS						
Cable Code		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
K	K	M-2247	4	200	B-106	2
	J	M-2248	4	200	B-106	4
	H	M-2249	4	200	B-106	4
	G	M-2250	4	150	B-106	2
	F	M-2251	4	150	B-106	4
	E	M-2252	4	150	B-106	2
	D	M-2253	4	150	B-106	2
	C	M-2254	4	150	B-106	2
	B	M-2255	4	115	B-106	4
	A	M-2256	4	115	B-106	4
L	Q	M-2257	4	150	B-106	4
	L	M-2258	4	250	B-106	4
	K	M-2259	4	200	B-106	4
	J	M-2260	4	200	B-106	4
	H	M-2261	4	200	B-106	4
	G	M-2262	4	200	B-106	4
	F	M-2263	4	200	B-106	4
	E	M-2264	4	150	B-106	2
	D	M-2265	4	150	B-106	4
	C	M-2266	4	150	B-106	4
Q	B	M-2267	4	115	B-106	4
	A	M-2268	4	115	B-106	4
	Q	M-2269	4	200	B-106	4
	Q	M-5283	4	150	B-106	2
	F	M-5033	4	150	B-106	2
	E	M-5035	4	150	B-106	2
	D	M-5036	4	115	B-106	2
	C	M-5020	4	115	B-106	2
Q	B	M-2270	4	90	B-106	2
	A	M-5037	4	90	B-106	2

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp



CC-4

TYPE MOLDS

Horizontal to Horizontal Cable Cross

For Lightning Protection Conductors

Tap cable is cut

MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

Cable Code		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
A	A	M-2271	4	65	B-106	4
B	B	M-2272	4	90	B-106	4
	A	M-2273	4	65	B-106	4
C	C	M-2274	4	150	B-106	2
	B	M-2275	4	115	B-106	4
	A	M-2276	4	90	B-106	4
D	D	M-5231	4	150	B-106	2
	C	M-2277	4	150	B-106	2
	B	M-2278	4	115	B-106	4
	A	M-2279	4	90	B-106	4
E	E	M-2280	4	200	B-106	2
	D	M-2281	4	200	B-106	4
	C	M-2282	4	150	B-106	4
	B	M-2283	4	115	B-106	4
	A	M-2284	4	115	B-106	4
F	F	M-5232	4	200	B-106	2
	E	M-2285	4	200	B-106	4
	D	M-2286	4	150	B-106	4
	C	M-2287	4	150	B-106	4
	B	M-2288	4	115	B-106	4
	A	M-2289	4	115	B-106	4
	Q	M-2290	4	200	B-106	4
G	G	M-2291	4	200	B-106	2
	F	M-2292	4	200	B-106	4
	E	M-2293	4	200	B-106	4
	D	M-2294	4	150	B-106	4
	C	M-2295	4	150	B-106	4
	B	M-2296	4	115	B-106	4
	A	M-2297	4	115	B-106	4
	Q	M-2298	4	200	B-106	4
H	H	M-2299	4	200	B-106	4
	G	M-2300	4	200	B-106	4
	F	M-2301	4	200	B-106	4
	E	M-2302	4	200	B-106	4
	D	M-2303	4	150	B-106	4
	C	M-2304	4	150	B-106	4
	B	M-2305	4	115	B-106	4
	A	M-2306	4	115	B-106	4
J	Q	M-2307	4	200	B-106	4
	J	M-2308	4	250	B-106	2
	H	M-2309	4	200	B-106	4
	G	M-2310	4	200	B-106	4
	F	M-2311	4	200	B-106	4
	E	M-2312	4	200	B-106	4
	D	M-2313	4	200	B-106	4
	C	M-2314	4	150	B-106	4
	B	M-2315	4	115	B-106	4
	A	M-2316	4	115	B-106	4
	Q	M-2317	4	200	B-106	4

MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap				
K	K	M-2318	4	250	B-106
	J	M-2319	4	250	B-106
	H	M-2855	4	250	B-106
	G	M-2321	4	200	B-106
	F	M-2322	4	200	B-106
	E	M-2323	4	200	B-106
	D	M-2324	4	200	B-106
	C	M-2325	4	200	B-106
	B	M-2326	4	150	B-106
	A	M-2327	4	150	B-106
L	Q	M-2328	4	200	B-106
	L	M-2329	5	2-150	B-107
	K	M-2330	4	250	B-106
	J	M-2331	4	250	B-106
	H	M-2332	4	250	B-106
	G	M-2333	4	250	B-106
	F	M-2334	4	250	B-106
	E	M-2335	4	200	B-106
	D	M-2336	4	200	B-106
	C	M-2337	4	200	B-106
Q	B	M-2338	4	150	B-106
	A	M-2339	4	150	B-106
	Q	M-2340	4	250	B-106
	Q	M-5201	4	200	B-106
	F	M-2341	4	200	B-106
	E	M-2342	4	200	B-106

- For sizes not listed, contact thermOweld®.

• For heavy duty connections, contact thermOweld®.

• For expedited service, contact thermOweld®.

• To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.

• Required Tools;

Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®

• Other recommended accessories;

40-0319-01 ~ Mold Cleaner for cartridge sizes #15~#65

40-0319-03 ~ Mold Cleaner for cartridge sizes #90~#500

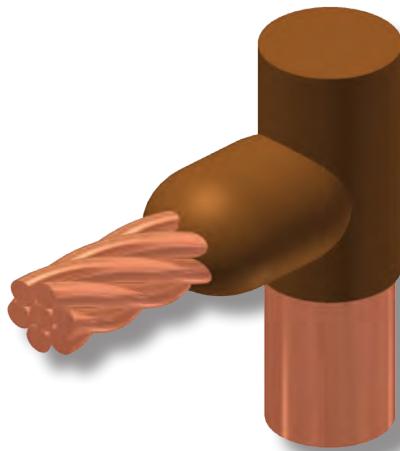
38-3922-00 ~ Mold Cleaning Brush

38-0135-00 ~ Cable Cleaning Brush

38-0330-00 ~ Cable Clamp

CR-1**TYPE MOLDS**

*Horizontal Cable Terminal to Ground Rod
For Lightning Protection Conductors*



NOTES

1. Molds listed are for copper clad steel ground rods: $\frac{1}{2}$ " rods are 0.475" diameter, $\frac{5}{8}$ " rods are 0.563" diameter, $\frac{3}{4}$ " rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

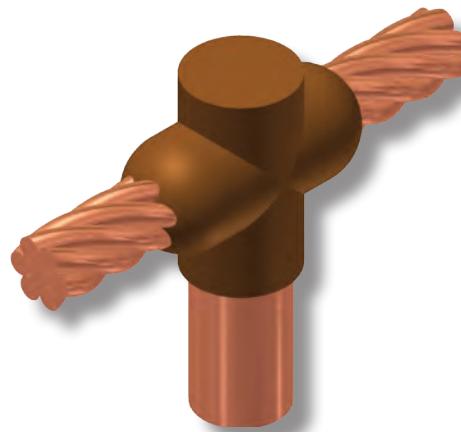
MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

Ground Rod Size	Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	A	M-5060	4	90	B-106	2
	B	M-2347	4	90	B-106	4
	C	M-5064	4	90	B-106	4
	D	M-5061	4	115	B-106	2
	E	M-5062	4	115	B-106	2
	F	M-5063	4	115	B-106	4
	G	M-2348	4	115	B-106	4
	H	M-2349	4	115	B-106	4
	J	M-2350	4	115	B-106	4
	K	M-2351	4	115	B-106	4
	L	M-2352	4	150	B-106	4
	Q	M-5022	4	90	B-106	4
5/8"	A	M-5066	4	90	B-106	2
	B	M-2353	4	90	B-106	4
	C	M-5073	4	115	B-106	2
	D	M-5069	4	115	B-106	2
	E	M-5070	4	115	B-106	2
	F	M-5071	4	115	B-106	2
	G	M-2354	4	115	B-106	2
	H	M-2355	4	115	B-106	4
	J	M-2356	4	115	B-106	4
	K	M-2357	4	115	B-106	2
	L	M-2358	4	150	B-106	4
	Q	M-5038	4	90	B-106	4
3/4"	A	M-5079	4	90	B-106	2
	B	M-5086	4	90	B-106	4
	C	M-5085	4	115	B-106	2
	D	M-5081	4	115	B-106	2
	E	M-5083	4	115	B-106	2
	F	M-5084	4	115	B-106	2
	G	M-2359	4	115	B-106	2
	H	M-2360	4	115	B-106	4
	J	M-2361	4	115	B-106	2
	K	M-2362	4	115	B-106	2
	L	M-2363	4	150	B-106	4
	Q	M-5039	4	90	B-106	4
1"	A	M-2364	4	150	B-106	4
	B	M-2365	4	150	B-106	4
	C	M-2366	4	150	B-106	4
	D	M-2367	4	150	B-106	2
	E	M-5089	4	150	B-106	4
	F	M-2368	4	200	B-106	4
	G	M-2369	4	200	B-106	4
	H	M-2370	4	200	B-106	4
	J	M-2371	4	200	B-106	4
	K	M-2372	4	200	B-106	4
	L	M-2373	4	250	B-106	4
	Q	M-5041	4	150	B-106	4

CR-2**TYPE MOLDS**

*Horizontal Cable to Ground Rod
For Lightning Protection Conductors*

MOLDS FOR LIGHTNING PROTECTION CONDUCTORS						
Ground Rod Size	Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	A	M-5090	4	90	B-106	4
	B	M-2374	4	90	B-106	4
	C	M-2375	4	115	B-106	2
	D	M-5091	4	115	B-106	2
	E	M-5092	4	115	B-106	4
	F	M-5093	4	115	B-106	4
	G	M-2376	4	150	B-106	4
	H	M-2377	4	150	B-106	4
	J	M-2378	4	150	B-106	4
	K	M-2379	4	150	B-106	4
	L	M-2380	4	200	B-106	4
	Q	M-5088	4	115	B-106	4
5/8"	A	M-5094	4	90	B-106	4
	B	M-2381	4	115	B-106	4
	C	M-5099	4	150	B-106	2
	D	M-5095	4	150	B-106	2
	E	M-5097	4	150	B-106	2
	F	M-5098	4	150	B-106	2
	G	M-2382	4	200	B-106	2
	H	M-2383	4	200	B-106	4
	J	M-2384	4	200	B-106	4
	K	M-2385	4	200	B-106	2
	L	M-2386	4	250	B-106	4
	Q	M-5051	4	115	B-106	2
3/4"	A	M-5100	4	90	B-106	4
	B	M-5106	4	115	B-106	2
	C	M-5105	4	150	B-106	2
	D	M-5102	4	150	B-106	2
	E	M-5103	4	150	B-106	2
	F	M-5104	4	150	B-106	2
	G	M-2387	4	200	B-106	2
	H	M-2388	4	200	B-106	4
	J	M-2389	4	200	B-106	4
	K	M-2390	4	200	B-106	2
	L	M-2391	4	250	B-106	4
	Q	M-5052	4	115	B-106	4
1"	A	M-2392	4	150	B-106	4
	B	M-2393	4	150	B-106	4
	C	M-2394	4	150	B-106	4
	D	M-2395	4	200	B-106	4
	E	M-2396	4	200	B-106	4
	F	M-2397	4	250	B-106	4
	G	M-2398	4	250	B-106	4
	H	M-2399	4	250	B-106	4
	J	M-2400	4	250	B-106	4
	K	M-2401	4	250	B-106	4
	L	M-2402	4	2-150	B-106	4
	Q	M-5055	4	150	B-106	4



NOTES

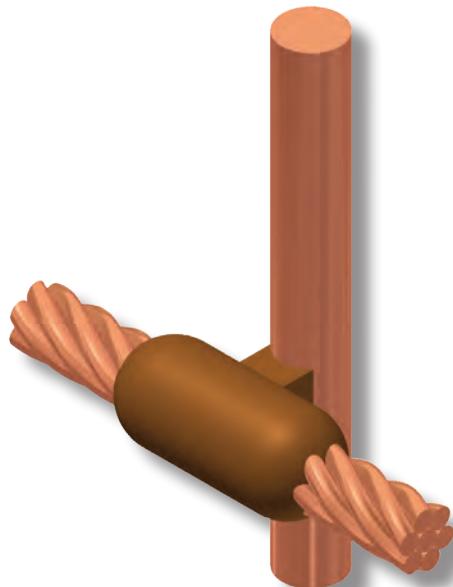
1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

• For sizes not listed, contact thermOweld®.

- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "N" to mold number.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0304-00 ~ File
38-0330-00 ~ Cable Clamp

CR-3**TYPE MOLDS**

*Horizontal Thru Cable to Ground Rod
For Lightning Protection Conductors*



NOTES

1. Molds listed are for copper clad steel ground rods: $\frac{1}{2}$ " rods are 0.475" diameter, $\frac{5}{8}$ " rods are 0.563" diameter, $\frac{3}{4}$ " rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

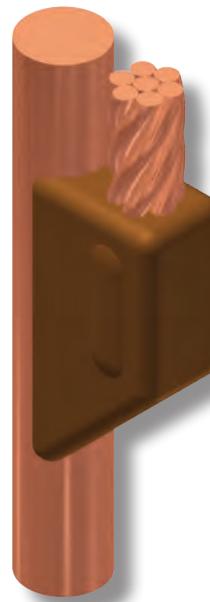
MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

Ground Rod Size	Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
$\frac{1}{2}$ "	A	M-5107	24	90	B-106	4
	B	M-2403	24	115	B-106	4
	C	M-5111	24	150	B-106	2
	D	M-5108	24	150	B-106	4
	E	M-5109	24	150	B-106	4
	F	M-5110	24	150	B-106	4
	G	M-2404	24	200	B-106	4
	H	M-2405	24	200	B-106	4
	J	M-2406	24	200	B-106	4
	K	M-2407	24	200	B-106	4
	L	M-2408	24	250	B-106	4
	Q	M-5057	24	150	B-106	4
	A	M-5114	24	90	B-106	4
	B	M-2409	24	115	B-106	4
$\frac{5}{8}$ "	C	M-5118	24	150	B-106	2
	D	M-5115	24	150	B-106	2
	E	M-5116	24	150	B-106	2
	F	M-5117	24	150	B-106	2
	G	M-2410	24	200	B-106	4
	H	M-2411	24	200	B-106	4
	J	M-2412	24	200	B-106	4
	K	M-2413	24	200	B-106	2
	L	M-2414	24	250	B-106	4
	Q	M-5058	24	150	B-106	4
	A	M-5119	24	90	B-106	2
	B	M-5125	24	115	B-106	4
	C	M-5124	24	150	B-106	2
$\frac{3}{4}$ "	D	M-5120	24	150	B-106	2
	E	M-5121	24	150	B-106	2
	F	M-5123	24	150	B-106	2
	G	M-2415	24	200	B-106	2
	H	M-2416	24	200	B-106	4
	J	M-2417	24	200	B-106	4
	K	M-2418	24	200	B-106	2
	L	M-2419	24	250	B-106	4
	Q	M-2420	24	150	B-106	2
	A	M-2421	24	90	B-106	4
	B	M-2422	24	115	B-106	4
	C	M-2423	24	150	B-106	4
	D	M-2424	24	150	B-106	4
1"	E	M-2174	24	150	B-106	4
	F	M-2425	24	150	B-106	2
	G	M-2426	24	200	B-106	2
	H	M-5122	24	200	B-106	4
	J	M-5132	24	200	B-106	2
	K	M-2427	24	200	B-106	4
	L	M-2428	24	250	B-106	4
	Q	M-2429	24	150	B-106	2

CR-18**TYPE MOLDS**

*Vertical Cable Up to Ground Rod
For Lightning Protection Conductors*

MOLDS FOR LIGHTNING PROTECTION CONDUCTORS						
Ground Rod Size	Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	A	M-10570	17	90	B-106	4
	B	M-10571	17	90	B-106	4
	C	M-10572	17	115	B-106	4
	D	M-10573	17	150	B-106	4
	E	M-10574	17	150	B-106	4
	F	M-10575	17	150	B-106	4
	G	M-10576	17	150	B-106	4
	H	M-10577	17	150	B-106	4
	J	M-10578	17	200	B-106	4
	K	M-10579	17	200	B-106	4
	L	M-10580	17	250	B-106	4
	Q	M-10581	17	150	B-106	4
5/8"	A	M-10582	17	90	B-106	4
	B	M-10583	17	90	B-106	4
	C	M-5177	17	150	B-106	2
	D	M-8472	17	150	B-106	2
	E	M-10584	17	150	B-106	4
	F	M-10585	17	150	B-106	4
	G	M-10586	17	150	B-106	4
	H	M-10587	17	150	B-106	4
	J	M-10588	17	200	B-106	4
	K	M-10589	17	200	B-106	4
	L	M-10590	17	250	B-106	4
	Q	M-10591	17	150	B-106	4
3/4"	A	M-10592	17	115	B-106	4
	B	M-10593	17	115	B-106	4
	C	M-8177	17	150	B-106	2
	D	M-10594	17	200	B-106	4
	E	M-5490	17	200	B-106	4
	F	M-10595	17	200	B-106	4
	G	M-10596	17	200	B-106	4
	H	M-10597	17	200	B-106	4
	J	M-10598	17	200	B-106	4
	K	M-2138	17	200	B-106	4
	L	M-10599	17	250	B-106	4
	Q	M-10600	17	150	B-106	4
1"	A	M-10601	17	150	B-106	4
	B	M-10602	17	150	B-106	4
	C	M-10603	17	200	B-106	4
	D	M-10604	17	200	B-106	4
	E	M-10605	17	200	B-106	4
	F	M-10606	17	250	B-106	4
	G	M-10607	17	250	B-106	4
	H	M-10608	17	250	B-106	4
	J	M-10609	17	250	B-106	4
	K	M-10610	17	250	B-106	4
	L	M-10611	17	2-150	B-106	4
	Q	M-10612	17	200	B-106	4



NOTES

1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

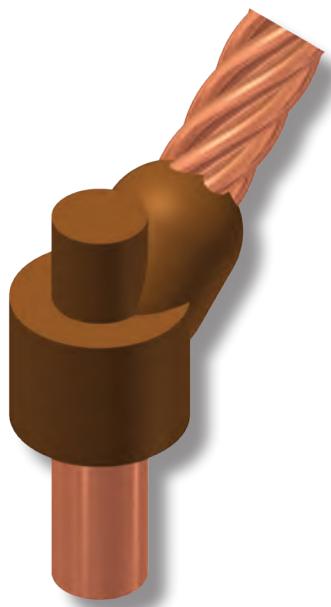
• **For sizes not listed, contact thermOweld®.**

- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0304-00 ~ File
38-0330-00 ~ Cable Clamp

CR-36

TYPE MOLDS

*30° Up Cable to Ground Rod
For Lightning Protection Conductors*



NOTES

1. Molds listed are for copper clad steel ground rods: 1/2" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, 3/4" rods are 0.682" diameter, and 1" rods are 0.914" diameter.
2. Molds are available for galvanized steel, stainless steel, and solid copper rods that are sold by actual diameter. The suffix "-N" is added to the mold number, i.e. M-XXX-N is for full sized rods.
3. Molds are available for sectional/threaded copper clad steel ground rods. The suffix "-T" is added to the mold number, i.e. M-XXX-T is for a sectional/threaded ground rod.

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

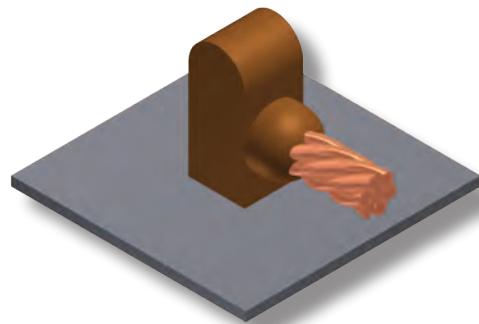
Ground Rod Size	Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	A	M-10613	17	90	B-106	4
	B	M-10614	17	90	B-106	4
	C	M-10615	17	115	B-106	4
	D	M-10616	17	150	B-106	4
	E	M-10617	17	150	B-106	4
	F	M-10618	17	150	B-106	4
	G	M-10619	17	150	B-106	4
	H	M-10620	17	150	B-106	4
	J	M-10621	17	200	B-106	4
	K	M-10622	17	200	B-106	4
	L	M-10623	17	250	B-106	4
	Q	M-10624	17	150	B-106	4
5/8"	A	M-10625	17	90	B-106	4
	B	M-10626	17	90	B-106	4
	C	M-10627	17	115	B-106	4
	D	M-10628	17	150	B-106	4
	E	M-10629	17	150	B-106	2
	F	M-10630	17	150	B-106	4
	G	M-10631	17	150	B-106	4
	H	M-10632	17	150	B-106	4
	J	M-10633	17	200	B-106	4
	K	M-10634	17	200	B-106	4
	L	M-10635	17	250	B-106	4
	Q	M-10636	17	150	B-106	4
3/4"	A	M-10637	17	115	B-106	4
	B	M-10638	17	115	B-106	4
	C	M-10639	17	150	B-106	4
	D	M-10640	17	200	B-106	4
	E	M-10641	17	200	B-106	4
	F	M-10642	17	200	B-106	4
	G	M-10643	17	200	B-106	4
	H	M-10644	17	200	B-106	4
	J	M-10645	17	200	B-106	4
	K	M-10646	17	200	B-106	4
	L	M-10647	17	250	B-106	4
	Q	M-10648	17	150	B-106	4
1"	A	M-10649	17	150	B-106	4
	B	M-10650	17	150	B-106	4
	C	M-10651	17	200	B-106	4
	D	M-10652	17	200	B-106	4
	E	M-10653	17	250	B-106	4
	F	M-10654	17	250	B-106	4
	G	M-10655	17	250	B-106	4
	H	M-10656	17	250	B-106	4
	J	M-10657	17	250	B-106	4
	K	M-10658	17	250	B-106	4
	L	M-10659	17	2-150	B-106	4
	Q	M-10660	17	200	B-106	4

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CS-1**TYPE MOLDS****Horizontal Cable to Horizontal Steel Surface****For Lightning Protection Conductors**

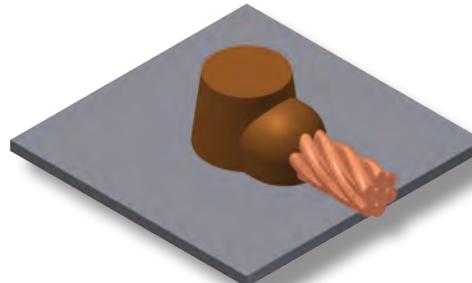
Note that the cable is OFF the surface



MOLDS FOR LIGHTNING PROTECTION CONDUCTORS					
Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
D	M-5134	4	115	B-106	2
E	M-5135	4	115	B-106	4
F	M-5136	4	115	B-106	4
G	M-2430	4	115	B-106	2
H	M-2431	4	115	B-106	4
J	M-2432	4	150	B-106	4
K	M-2433	4	200	B-106	4
L	M-2434	4	250	B-106	4
Q	M-5290	4	115	B-106	2

CS-8**TYPE MOLDS****Horizontal Cable to Horizontal Steel Surface****For Lightning Protection Conductors**

Note that the cable is ON the surface



MOLDS FOR LIGHTNING PROTECTION CONDUCTORS					
Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
A	M-5127	3†	45	Included	4
B	M-2455	3†	65	Included	2
C	M-5133	4	90	B-106	2
D	M-5128	4	115	B-106	2
E	M-5129	4	115	B-106	4
F	M-5131	4	115	B-106	2
G	M-2456	4	115	B-106	4
H	M-2457	4	115	B-106	4
J	M-2458	4	150	B-106	4
K	M-2459	4	200	B-106	4
L	M-2460	4	250	B-106	4
Q	M-5126	4	115	B-106	2

- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3, CS-8 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for cable code "C" & Larger Molds (CS-8 Molds Only)

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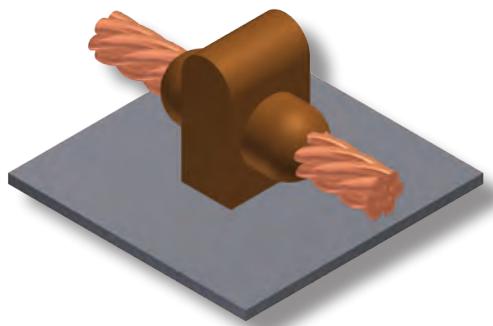
CS-2

TYPE MOLDS

Horizontal Thru Cable to Horizontal Steel Surface

For Lightning Protection Conductors

Note that the cable is OFF the surface



MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
D	M-5141	4	150	B-106	2
E	M-5142	4	150	B-106	4
F	M-5143	4	150	B-106	2
G	M-2435	4	150	B-106	4
H	M-2436	4	150	B-106	4
J	M-2437	4	200	B-106	4
K	M-2438	4	200	B-106	4
L	M-2439	4	250	B-106	4
Q	M-5137	4	150	B-106	2

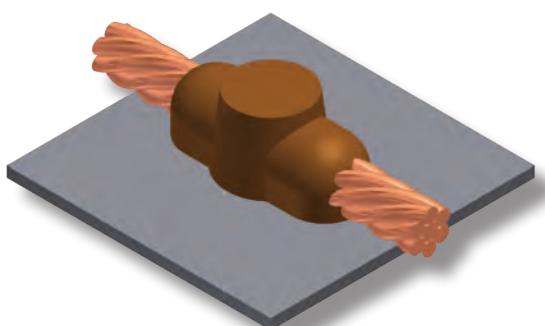
CS-9

TYPE MOLDS

Horizontal Thru Cable to Horizontal Steel Surface

For Lightning Protection Conductors

Note that the cable is ON the surface



MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

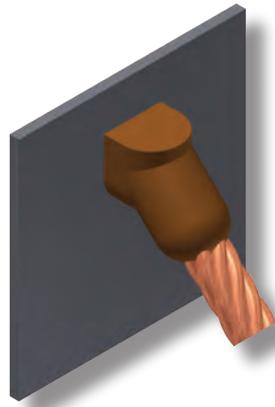
Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
A	M-10661	3†	65	Included	4
B	M-10662	3†	65	Included	4
C	M-10663	4	90	B-106	4
D	M-10664	4	150	B-106	4
E	M-10665	4	150	B-106	4
F	M-10666	4	150	B-106	4
G	M-10667	4	150	B-106	4
H	M-10668	4	150	B-106	4
J	M-10669	4	200	B-106	4
K	M-10670	4	200	B-106	4
L	M-10671	4	250	B-106	4
Q	M-10672	4	150	B-106	4

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for cable code "C" & Larger Molds (CS-8 Molds Only)

CS-3

TYPE MOLDS

*Angular Cable Drop to Vertical Steel Surface
For Lightning Protection Conductors*



MOLDS FOR LIGHTNING PROTECTION CONDUCTORS					
Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
A	M-5145	4	65	B-106	2
B	M-5150	4	65	B-106	2
C	M-5149	4	90	B-106	2
D	M-5146	4	115	B-106	2
E	M-5147	4	115	B-106	2
F	M-5148	4	115	B-106	2
G	M-2440	4	150	B-106	2
H	M-2441	4	150	B-106	4
J	M-2442	4	150	B-106	4
K	M-2443	4	150	B-106	2
L	M-2444	4	200	B-106	4
Q	M-5138	4	115	B-106	2

- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for Cart. Size #15-#65 (PK-3 Molds Only)
 - 40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for cable code "C" & Larger Molds (CS-9 Molds Only)

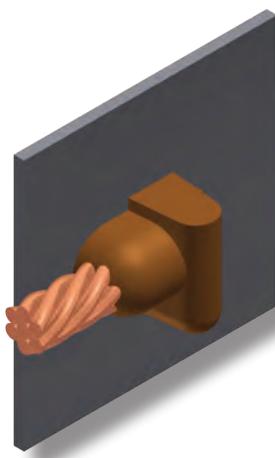
CS-18

TYPE MOLDS

Horizontal Tap Cable to Vertical Steel Surface

For Lightning Protection Conductors

Note that the cable is ON the surface



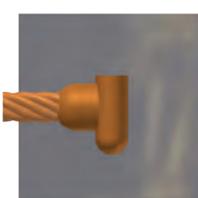
MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

Cable Code	Mold # †	Price Key	Weld Metal	Handle Clamps	Lead Time
A	M-5054	4	45	B-106	4
B	M-10673	4	65	B-106	4
C	M-5205	4	65	B-106	2
D	M-5202	4	90	B-106	2
E	M-5203	4	115	B-106	4
F	M-5000	4	115	B-106	2
Q	M-11926	4	115	B-106	2

† Add (RH) to mold number for right hand mold or (LH) for left hand mold. Right hand (RH) mold will be furnished if none specified. EXAMPLE: M-5054-LH



Left Hand
Mold



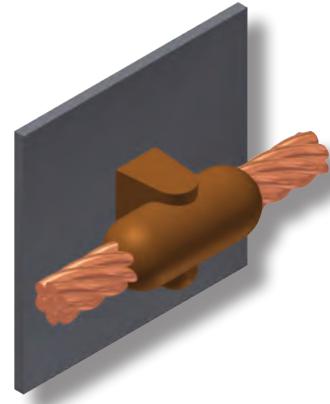
Right Hand
Mold

- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500 (CS-6 Molds Only)
40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp
38-4129-00 ~ Packing Material for cable code "C" & Larger Molds (CS-18 Molds Only)

CS-6**TYPE MOLDS***Horizontal Thru Cable to Vertical Steel Surface**For Lightning Protection Conductors*

Note that the cable is OFF the surface

MOLDS FOR LIGHTNING PROTECTION CONDUCTORS					
Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
A	M-5171	4	90	B-106	4
B	M-5176	4	90	B-106	4
C	M-5175	4	115	B-106	2
D	M-5172	4	150	B-106	2
E	M-5173	4	150	B-106	4
F	M-5174	4	150	B-106	2
G	M-2461	4	150	B-106	4
H	M-2462	4	150	B-106	4
J	M-2463	4	200	B-106	4
K	M-2464	4	200	B-106	4
L	M-2465	4	250	B-106	4
Q	M-5179	4	150	B-106	2

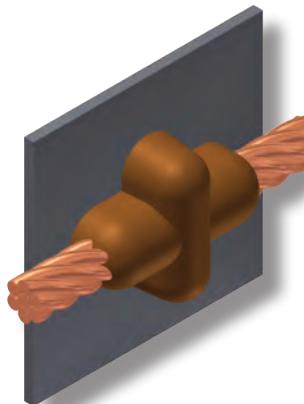


- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles) 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500 (CS-6 Molds Only)
40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp
38-4129-00 ~ Packing Material for cable code "C" & Larger Molds (CS-18 Molds Only)

CS-27**TYPE MOLDS***Horizontal Thru Cable to Vertical Steel Surface**For Lightning Protection Conductors*

Note that the cable is ON the surface

MOLDS FOR LIGHTNING PROTECTION CONDUCTORS					
Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
A	M-5162	4	65	B-106	4
B	M-5169	4	90	B-106	4
C	M-5168	4	115	B-106	2
D	M-5163	4	150	B-106	2
E	M-5165	4	150	B-106	4
F	M-5167	4	150	B-106	2
G	M-2856	4	150	B-106	4
H	M-2451	4	150	B-106	4
J	M-2452	4	200	B-106	4
K	M-2453	4	200	B-106	4
L	M-2454	4	250	B-106	4
Q	M-5152	4	150	B-106	2



CS-4

TYPE MOLDS

Vertical Thru Cable to Vertical Steel Surface

For Lightning Protection Conductors

Note that the cable is OFF the surface



MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
A	M-5153	4	90	B-106	4
B	M-5160	4	115	B-106	4
C	M-5159	17	200	B-106	2
D	M-5154	17	250	B-106	2
E	M-5156	17	2-150	B-106	2
F	M-5158	17	2-150	B-106	2
G	M-2445	17	2-150	B-106	4
H	M-2446	17	2-150	B-106	4
J	M-2447	6	2-200	B-106	4
K	M-2448	6	2-200	B-106	2
L	M-2449	6	500	B-106	4
Q	M-5144	17	250	B-106	2

CS-7

TYPE MOLDS

Overhead Vertical Tap Cable to Vertical Steel Surface

For Lightning Protection Conductors

Note that the cable is ON the surface



MOLDS FOR LIGHTNING PROTECTION CONDUCTORS

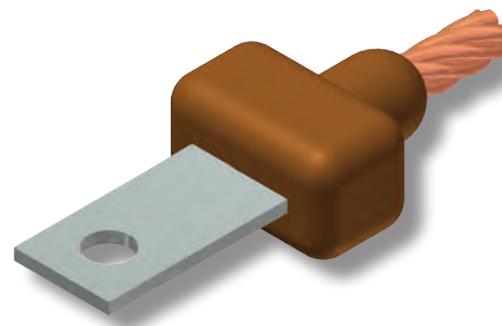
Cable Code	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
A	M-5180	4	90	B-106	4
B	M-5200	4	90	B-106	4
C	M-5185	4	115	B-106	2
D	M-5181	17	150	B-106	2
E	M-5182	17	150	B-106	4
F	M-5184	17	150	B-106	2
G	M-2466	17	150	B-106	4
H	M-2467	17	150	B-106	4
J	M-2468	17	200	B-106	4
K	M-2469	17	200	B-106	4
L	M-2470	17	250	B-106	4
Q	M-5161	17	150	B-106	2

- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp

CB-1**TYPE MOLDS***Horizontal Cable Tap to Horizontal Lug or Bus**For Lightning Protection Conductors*

See pages 8-184 and 8-185 for Lug part numbers.

MOLDS FOR LIGHTNING PROTECTION CONDUCTORS						
Cable Size	Lug Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
A	1/8" X 1"	M-2471	4	65	B-106	2
B		M-2472	4	65	B-106	4
C		M-2473	4	90	B-106	2
D		M-2474	4	90	B-106	2
E		M-2475	4	90	B-106	2
F		M-2521	4	90	B-106	4
G		M-5008	4	90	B-106	2
H		M-5009	4	90	B-106	4
J	3/16" X 1"	M-2201	4	115	B-106	4
K		M-5030	4	115	B-106	2
Q		M-11928	4	90	B-106	2
J	1/4" X 1"	M-5029	4	115	B-106	4
K		M-5031	4	150	B-106	2
L		M-5034	4	150	B-106	4
Q		M-11927	4	90	B-106	2

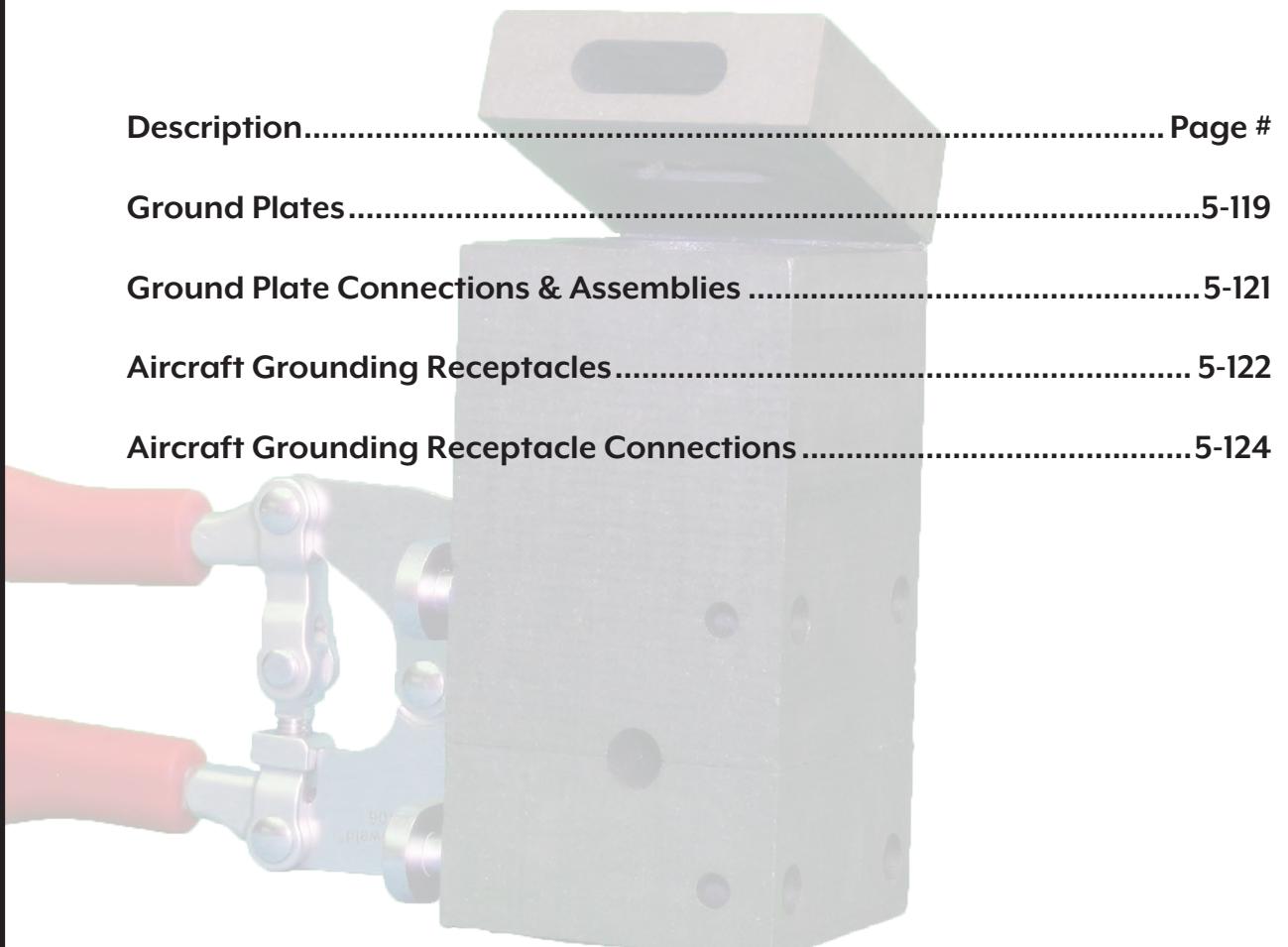


- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush

GROUND PLATES & AIRCRAFT GROUNDING RECEPTACLES

Section 5

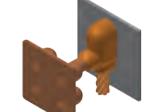
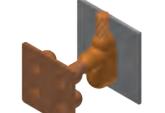
Ground Plates & Aircraft Grounding Receptacles



Description.....	Page #
Ground Plates	5-119
Ground Plate Connections & Assemblies	5-121
Aircraft Grounding Receptacles.....	5-122
Aircraft Grounding Receptacle Connections	5-124

GROUND PLATES & AIRCRAFT GROUNDING RECEPTACLES

Weld Type	
	AC-1
	AC-2
	ACR-1
	ACR-2
	Aircraft Grd Recpt
	AR-1
	CR-27

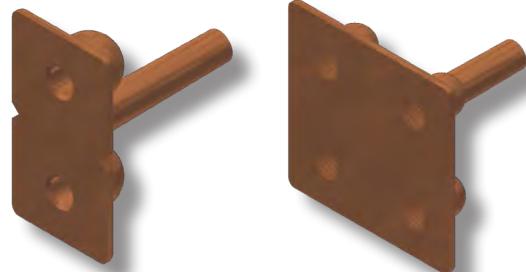
Weld Type	
	CR-30
	CR-31
	CR-32
	CRS-1
	CRS-2
	Grd Plates
	RS-3

GROUND PLATES & AIRCRAFT GROUNDING RECEPTACLES

GROUND PLATES

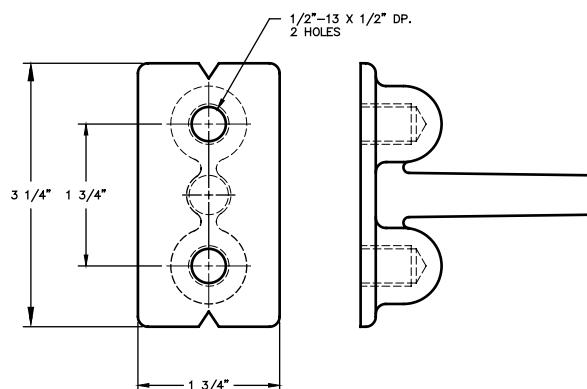
GROUND PLATES

When cast into concrete structures, these offer grounding points for equipment, machinery, etc. They are made from high quality copper alloy and can be exothermically welded easily to copper cable.



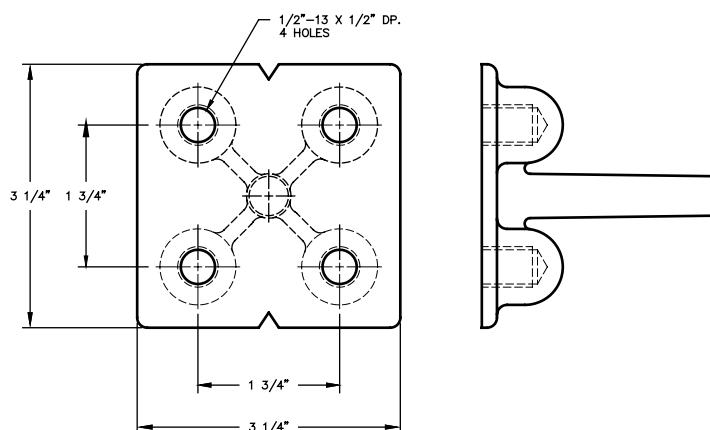
Part #	Stud Size
38-2999-00	4/0

NEMA Spaced Holes

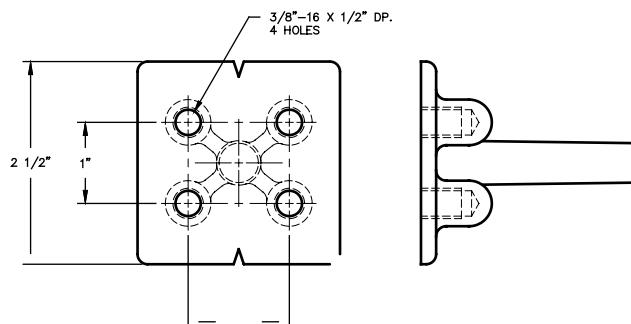


Part #	Stud Size
38-4051-00	4/0

NEMA Spaced Holes



Part #	Stud Size
38-2864-00	4/0



GROUND PLATES & AIRCRAFT GROUNDING RECEPTACLES

GROUND PLATES

GROUND PLATES

Use weld types CC-1 and CC-2 to connect copper cable to ground plates. Contact thermOweld® for mold numbers.

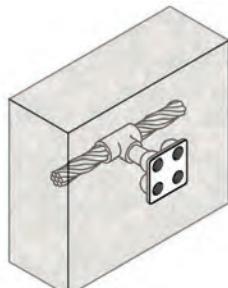
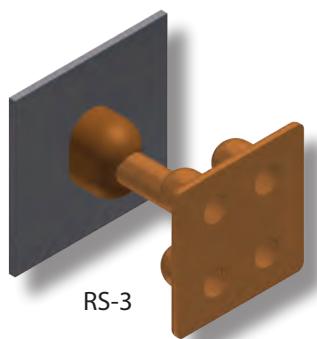
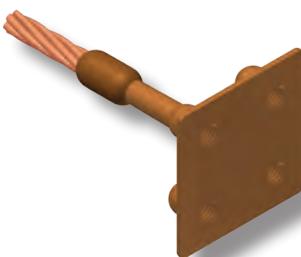
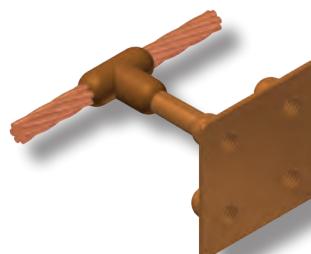
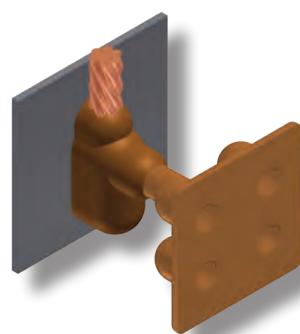


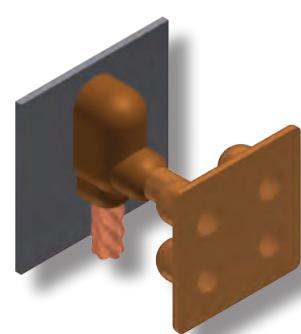
Illustration at left shows a ground plate installed in a concrete wall.



RS-3



CRS-2



CRS-1

MOLDS FOR AWG CONDUCTORS					
Ground Plate Part #	RS-3 Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
38-2864-00	M-6091	4	150	B-106	2
38-2999-00	M-6091	4	150	B-106	2
38-4051-00	M-6091	4	150	B-106	2

* To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.

NOTE:

For structural purposes, weld types RS-3, CRS-1 and CRS-2 should only be used when the ground plate is to be encased in concrete.

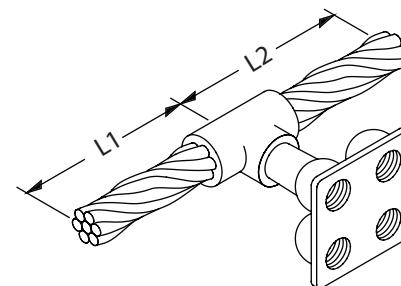
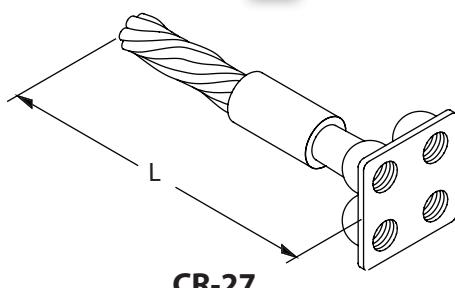
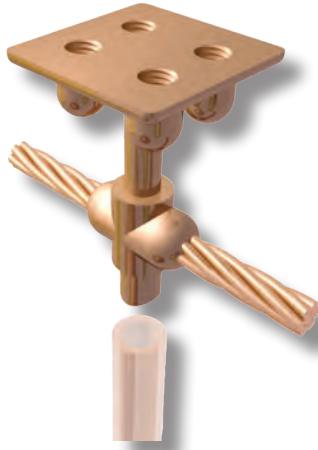
MOLDS FOR AWG CONDUCTORS											
CRS-1† Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Cable Size	CRS-2† Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
M-6093	17	200	B-106	4	1/0	M-6101	17	200	B-106	4	
M-6094	17	200	B-106	2	2/0	M-6102	17	200	B-106	4	
M-6095	17	250	B-106	2	3/0	M-6103	17	250	B-106	4	
M-6096	17	250	B-106	2	4/0	M-6104	17	250	B-106	2	
M-6097	17	250	B-106	4	250 MCM	M-6105	17	250	B-106	4	
M-6098	17	2-150	B-106	4	300 MCM	M-6106	17	2-150	B-106	2	
M-6099	17	2-150	B-106	4	350 MCM	M-6107	6	2-200	B-107	4	
M-6100	6	2-200	B-107	4	500 MCM	M-6108	6	500	B-107	4	

† These mold numbers are for use with Ground Plates 38-2999-00, 38-4051-00 and 38-2864-00.

* To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.

GROUND PLATES & AIRCRAFT GROUNDING RECEPTACLES

GROUND PLATES



GROUND PLATE ASSEMBLY

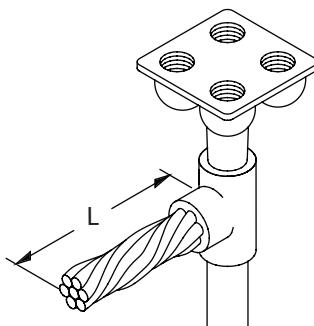
thermOweld® Pre-fabricated Ground Plate Assemblies come ready to splice into your grounding system. Types CR-31 and CR-32 are welded in an inverted position and the resulting riser is used to place the ground plate on top of 1/2" pipe. This helps position the ground plate flush with a floor slab.

Ground Plate	Type CR-27 Assy.
38-2864-00	38-4529-†‡
38-2999-00	38-4531-†‡
38-4051-00	38-4532-†‡

For the complete part number replace with corresponding number for cable size and corresponding letter for cable length. Contact thermOweld® for cable sizes and lengths not shown.

Ground Plate	Type CR-30 Assy.
38-2864-00	38-4534-†‡
38-2999-00	38-4536-†‡
38-4051-00	38-4537-†‡

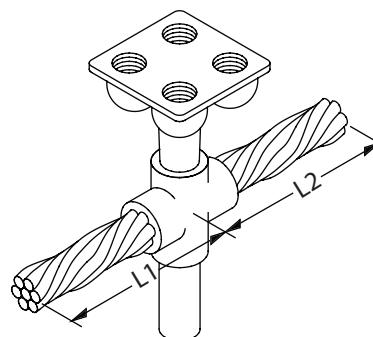
Example: 38-4524-5C would be a CR-32 type with a 38-2864-00 ground plate and a 4/0 str pigtail, 18" (L1) + 18" (L2) long for a total length of 36".



Ground Plate	Type CR-31 Assy.
38-2864-00	38-4519-†‡
38-2999-00	38-4521-†‡
38-4051-00	38-4522-†‡

† = CABLE SIZE	
1 = #4 STR	5 = 4/0 STR
2 = #2 STR	6 = 250 MCM
3 = 1/0 STR	7 = 350 MCM
4 = 2/0 STR	8 = 500 MCM

‡ = LENGTH IN INCHES	
A = 6"	D = 24"
B = 12"	E = 36"
C = 18"	F = 48"
G = 10"	H = 96"
J = 60"	K = 72"
L = 144"	M = 30"
N = 120"	P = 240"
	R = 180"

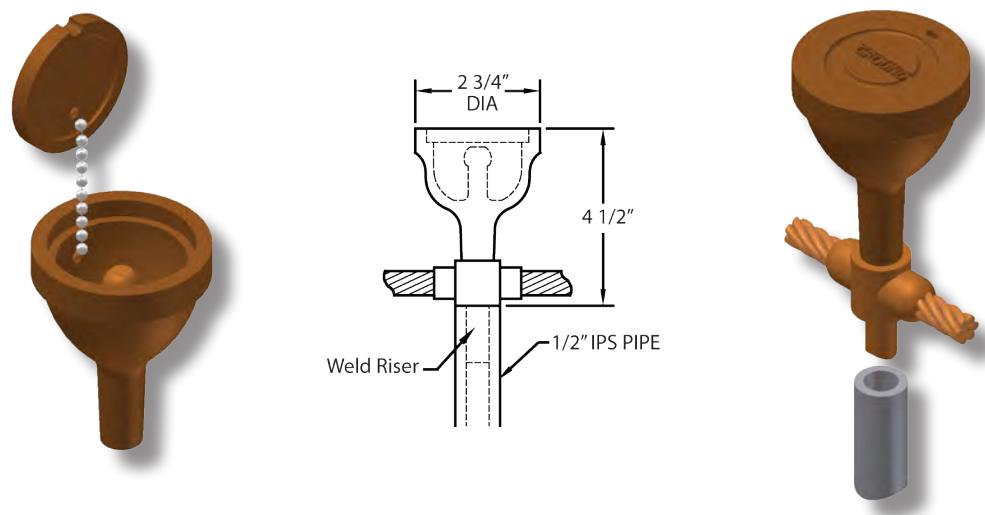


Ground Plate	Type CR-32 Assy.
38-2864-00	38-4524-†‡
38-2999-00	38-4526-†‡
38-4051-00	38-4527-†‡

GROUND PLATES & AIRCRAFT GROUNDING RECEPTACLES

AIRCRAFT GROUNDING RECEPTACLE

Aircraft Grounding Receptacle 38-0119-00 is a copper alloy casting used for static grounding in aircraft refueling areas. The receptacle, when installed, is flush with the airport apron surface and provides a permanent, corrosion-proof static grounding connection. It can easily be attached to copper cable or ground rods in several configurations with a thermOweld® mold. Replacement studs available, part #38-0119-13.



GROUND PLATES & AIRCRAFT GROUNDING RECEPTACLES

AIRCRAFT GROUNDING RECEPTACLE

AC TYPE MOLDS

Horizontal Cable to Aircraft Grounding Receptacle

AC-1 Type Molds are used to terminate a horizontal copper cable to a ground receptacle. AC-2 Type Molds are used to connect a horizontal through copper cable to a ground receptacle. thermOweld® types AC-1 and AC-2 are made with the receptacle in an inverted position. The resulting riser is then used to position the receptacle on top of 1/2" IPS pipe. Size range is #2 through 4/0 solid, roperlay or concentric stranded conductors.

MOLDS FOR AWG CONDUCTORS										
AC-1						Cable Size	AC-2			
Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #		Price Key	Weld Metal	Handle Clamps	Lead Time
M-6330	4	115	B-106	2	#2	M-6338	4	115	B-106	2
M-6332	4	115	B-106	4	#1	M-6339	4	115	B-106	2
M-6333	4	150	B-106	4	1/0	M-6341	4	150	B-106	2
M-6335	4	150	B-106	2	2/0	M-6342	4	150	B-106	2
M-6336	4	150	B-106	2	3/0	M-6343	4	200	B-106	2
M-6337	4	150	B-106	2	4/0	M-6344	4	200	B-106	2



AC-2



AC-1

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools:
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush

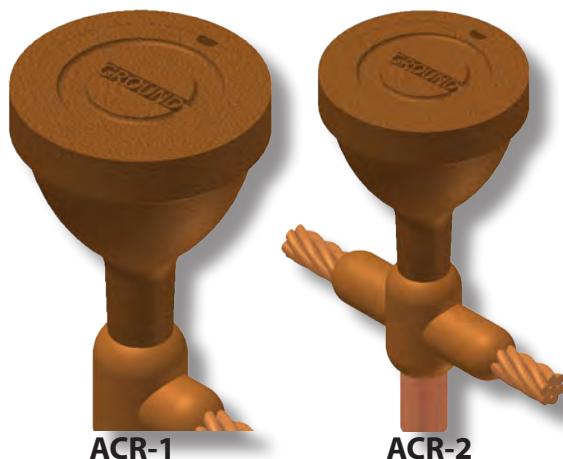
GROUND PLATES & AIRCRAFT GROUNDING RECEPTACLES

AIRCRAFT GROUNDING RECEPTACLE

AR & ACR TYPE MOLDS

Horizontal Cable and Aircraft Grounding Receptacle to Ground Rod

Type AR-1 molds are used to weld a ground receptacle to the top of a ground rod. Types ACR-1 and ACR-2 are used to weld a horizontal cable and ground receptacle to the top of a ground rod.



AR-1

MOLDS FOR AWG CONDUCTORS						
ACR-1						
Ground Rod Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
5/8"	1/0	M-6305	8	2-200	B-107	4
	2/0	M-6306	8	2-200	B-107	2
	3/0	M-6307	8	2-200	B-107	2
	4/0	M-6309	8	2-200	B-107	4
3/4"	1/0	M-6310	8	2-200	B-107	2
	2/0	M-6311	8	2-200	B-107	2
	3/0	M-6312	8	2-200	B-107	2
	4/0	M-6313	8	2-200	B-107	2
1"	1/0	M-6314	8	500	B-107	4
	2/0	M-6315	8	500	B-107	4
	3/0	M-6316	8	500	B-107	4
	4/0	M-6317	8	500	B-107	4

ACR-2						
Ground Rod Size	Cable Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
5/8"	1/0	M-6318	8	2-200	B-107	2
	2/0	M-6319	8	2-200	B-107	2
	3/0	M-6320	8	2-200	B-107	4
	4/0	M-6321	8	2-200	B-107	2
3/4"	1/0	M-6322	8	2-200	B-107	2
	2/0	M-6323	8	2-200	B-107	2
	3/0	M-6324	8	2-200	B-107	2
	4/0	M-6325	8	2-200	B-107	2
1"	1/0	M-6326	8	500	B-107	4
	2/0	M-6327	8	500	B-107	4
	3/0	M-6328	8	500	B-107	4
	4/0	M-6329	8	500	B-107	4

AR-1						
Ground Rod Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
5/8"	M-6301		17	2-150	B-106	2
3/4"	M-6300		17	2-150	B-106	4
1"	M-6303		6	2-200	B-107	4

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For heavy duty connections, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- Required Tools:
Handle Clamps w/ Flint Ignitor (see chart for correct handles), 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0304-00 ~ File
38-0330-00 ~ Cable Clamp

Section 6

Weld Metal, Tools & Accessories

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Tools & Accessories	6-129
Adapter Sleeves & Shim Stock	6-131
Wear Plates	6-131
Handle Clamps & Chain Clamps	6-132

WELD METAL, TOOLS & ACCESSORIES

FLINT IGNITOR 38-0309-00

The 38-0309-00 Flint Ignitor is used to ignite the starting powder. Each mold that is sold with a frame has a Flint Ignitor included.

Replacement flints are available upon request.
Part #38-0309-01.



FLINT IGNITOR EXTENSION 38-0904-00

The 38-0904-00 Flint Ignitor Extension allows the installer to stand 36" from the mold. Flint Ignitor is included.



WELD METAL, TOOLS & ACCESSORIES

EZ Lite Remote® Electric Ignition System

Mission Critical jobs require the versatility of thermOweld's EZ Lite Remote® System so you can finish without delays. Our remote system is the only system that gives you 2 ignition options so you can finish your job on time.

- ▶ Use your Flint Ignitor or the EZ Lite Remote® and never be stuck out on the job!
- ▶ Have 100% confidence that you will get your connections done when you want!
- ▶ Reliable ignitor - 100% guaranteed to ignite
- ▶ Use with existing thermOweld® EZ Lite® Mold and Weld Metal
- ▶ Uses 4 Alkaline "D" size batteries (we recommend a high quality brand battery such as Duracell® or Energizer®).

EZ Lite Remote® Electric Ignition Catalog #'s		Lead Time
Catalog #	Description	
38-EZLT-RU	EZ Lite Remote® Unit, ready to use with batteries installed at the factory	SDS
38-EZLT-15	EZ Lite Remote® Unit with 15 ft lead, ready to use with batteries installed at the factory	3
38-EZLT-IG	(10) 38-EZLT-IG EZ Lite Remote® Ignitors for use with existing thermOweld® EZ Lite® Molds and weld metal on your shelf, in your truck or at the job site.	SDS
38-EZLT-SK	Starter Kit complete with: (1) 38-EZLT-RU EZ Lite Remote® Unit, ready to use with batteries installed at the factory (20) 38-EZLT-IG EZ Lite Remote® Ignitors for use with existing thermOweld® EZ Lite® Molds and weld metal on your shelf, in your truck or at the job site	SDS
38-EZLT-CA	6 ft. Replacement lead	3
38-EZLT-CX	15 ft. Replacement lead	3
38-EZLT-CY	20 ft. Replacement lead	3
38-EZLT-CW	Cold Weather Kit	2

Pre-packaged Weld Metal with Ignitors			
Standard	Cast Iron	Cathodic Protection	Packed per box
TW15EZ	—	TW15CPEZ	20
TW25EZ	TW25CIEZ	TW25CPEZ	20
TW32EZ	TW32CIEZ	TW32CPEZ	10
TW45EZ	TW45CIEZ	TW45CPEZ	20
TW65EZ	TW65CIEZ	TW65CPEZ	20
TW90EZ	TW90CIEZ	—	10
TW115EZ	TW115CIEZ	—	10
TW150EZ	—	—	10
TW200EZ	—	—	10
TW250EZ	—	—	10
TW500EZ	—	—	10

thermOweld® Weld Metal is sold in box quantities only



12 CM
(Weld Metal)



QR Code to YouTube
EZ Lite Remote® video

EZ Lite Remote® Cold Weather Kit Instructions

When using thermOweld®'s EZ Lite Remote® in temperatures below 32° F (freezing) we recommend using our Cold Weather Kit 38-EZLT-CW. The Kit includes 4 adapters and 12 AA Batteries (we recommend a high quality brand battery such as Duracell® or Energizer®).



WELD METAL, TOOLS & ACCESSORIES

WELD METAL

thermOweld® weld metal is the most reliable and consistently-performing weld metal available worldwide. Our continuous-improvement manufacturing process is supplemented with multiple quality validation steps for every lot we produce. Upon final acceptance, our weld metal is specially packaged in moisture-resistant plastic cartridges with special closure caps. Then the cartridges and required metal discs are packaged in moisture-resistant boxes with unique manufacturing lot codes. These lot codes are a thermOweld® innovation, providing complete traceability from raw material origination, through our multiple processing stages to shipment. Finally, thermOweld® applies special shrink-wrap plastic to every weld metal box, insuring reliable storage, positive field ignition and superior welds every time.

Every individual weld metal cartridge is marked with the size and weight in grams for easy identification, even when separated from the host box. thermOweld® weld metal is shipped worldwide to more than 50 countries via ground, air and ocean freight. All sizes of weld metal are available immediately with thermOweld's Same Day Service (SDS) shipment program.

Our engineers have formulated and created various weld metal types for application-specific use, including our standard formulations:

- 1) copper-to-copper, copper-to-steel and copper-to-copper-clad steel
- 2) copper-to-ductile (cast) iron

Standard Cartridge Size	Low Emission Cartridge* Size	Cast Iron Cartridge Size	CP Standard Cartridge Size	Packed Per Box
#15	LE#15	—	#15CP #15CPS	20
#25	LE#25	#25CI	#25CP	20
#32	LE#32	#32CI	#32CP	10
#45	LE#45	#45CI	#45CP	20
#65	LE#65	#65CI	#65CP	20
#90	LE#90	#90CI		10
#115	LE#115	#115CI		10
#150	LE#150	—		10
#200	LE#200	—		10
#250	LE#250	—		10
—	LE#300	—		4*
—	LE#400	—		4*
#500	LE#500	—		10

thermOweld® Weld Metal is sold in box quantities only

*Low Emission Weld Metal cartons contain four (4) cartridges; four (4) ignitors; gasket(s), and one (1) filter. **



Weld Metal Discs

Weld Metal Discs are used to hold the weld metal in place until the reaction occurs. One disc per weld is required. Discs are included with the weld metal.

Part #37-0320-01 ¾" Dia. Disc (For use w/ #15 thru #65 Weld Metal Cartridges) 20 pack

Part #37-0320-02 1" Dia. Disc (For use w/ #90 thru #115 Weld Metal Cartridges) 10 pack

Part #37-0320-03 1 ½" Dia. Disc (For use w/ #150 thru #500 Weld Metal Cartridges) 10 pack

Part #37-6127-00 Disc Kit (Kit consists of a tube with 25 each of the above discs)



ACCESSORIES

TOOL KIT

- 38-0302-00 ~ Tool Kit with Tools
(includes the following items)
- 38-0304-00 ~ 8" File
38-0307-00 ~ Crimping Tool
38-3922-00 ~ Mold Cleaning Brush
38-0308-00 ~ Screwdriver
38-0306-00 ~ Card Cloth Brush
38-0305-00 ~ Wire Cleaning Brush
- 38-0302-02 ~ Tool Kit with Tools listed above plus
- 38-0101-00 ~ Rasp
 - 38-4129-00 ~ 1 lb. Packing Material
- 38-0303-00 ~ Tool Box Only



Items included in tool kit 38-0302-00



38-0101-00 RASP

This tempered steel, curved Rasp is recommended for removing rust and mill scale from steel and cast iron surfaces. The blade is replaceable.

Specify part # 38-0101-01.

Not recommended for use on galvanized surfaces.



PACKING MATERIAL

Packing Material is used to prevent the molten weld metal from leaking out of the mold. When cable opening becomes worn from heavy use, the packing material may be used to prolong mold use. It is also used around 7 strand cable to prevent leaking. Packing material comes in a 1 lb or a 5 lb package.

- Part #38-4129-00 for 1 lb package
- Part #38-4129-05 for 5 lb package
- Part #38-4129-01 for International

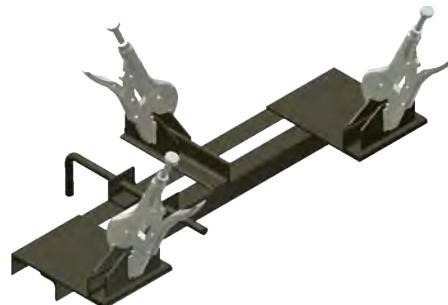
Note: This packing material to be used on outside of mold only. If packing gets into weld cavity, gassy welds will result.



ACCESSORIES

38-0330-00 CABLE CLAMP

The thermOweld® Cable Clamp is recommended for holding a wide range of cables properly in place in molds when welding cables that are under tension. This prevents the cables from pulling out of the mold when the weld is made.



GROUND ROD DRIVING SLEEVES

Ground Rod Driving Sleeves are placed over the top of a ground rod while driving it into the ground. This prevents the top from mushrooming or flaring out. Ground rod driving sleeves come in sizes to fit all standard unthreaded ground rods.

Catalog #	Ground Rod Size
38-3662-01	1/2" Copper Clad or Steel Ground Rod
38-3662-02	5/8" Copper Clad Ground Rod
38-3662-05	5/8" Steel Ground Rod
38-3662-03	3/4" Copper Clad Ground Rod
38-3662-06	3/4" Steel Ground Rod
38-3662-04	1" Copper Clad Ground Rod
38-3662-07	1" Steel Ground Rod



CABLE CLEANING AND CARD CLOTH BRUSH

The Cable Cleaning Brush is recommended for cleaning heavily oxidized cables. The V-shape Brushes permit their use over a wide range of cable sizes. Brush assembly consists of a handle with two stiff wire bristle brushes that are rotatable, for longer life and are replaceable.

The Card Cloth Brush is used for cleaning large conductors and bus bar. It has short stiff bristles. These brushes are for cleaning cable only, not molds.

The Mold Cleaning Brush is used to clean the graphite mold without damaging the mold.

Cable Cleaning Brush.....	38-0135-00
Replacement Brushes	38-0135-01
Card Cloth Brush.....	38-0306-00
Mold Cleaning Brush.....	38-3922-00



38-0135-00



38-0306-00



38-3922-00



MOLD CLEANERS

Mold Cleaners are used to clean the slag from molds that are not split through the crucible.

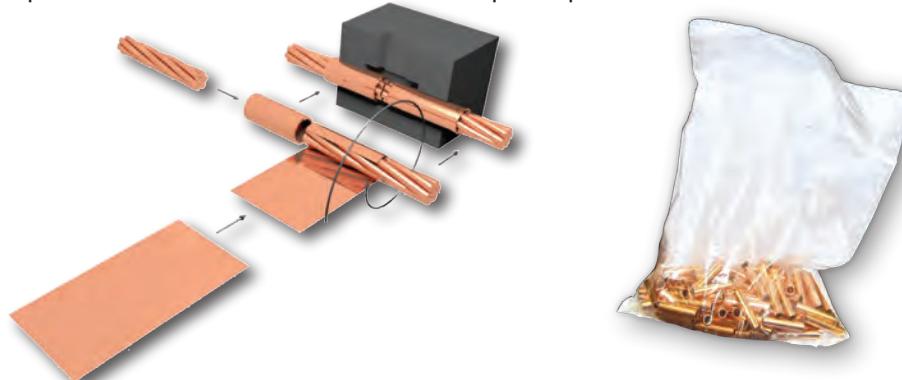
- 40-0319-01for cartridge sizes #15 thru #65
- 40-0319-03for cartridge sizes #90 thru #500

ADAPTER SLEEVES

SHIM STOCK AND ADAPTER SLEEVES

thermOweld® molds designed for larger cable sizes can be used on smaller diameter cables if copper adapter sleeves or shim stock are utilized. The copper shim stock, .0108" x 1-1/2" x 3", is normally wrapped around cable until the diameter is about equal to the cable opening. A tight fit is not necessary as the shim stock will unwrap slightly and prevent leakage of weld metal.

To order shim stock use part # 38-0329-00. Shim stock comes 100 pieces per box.



For Use On Cable Size		Catalog #	Use In Mold Size	Sleeve Dimensions		
Stranded	Solid			O.D.	I.D.	Length
#12, #14	#10, #12, #14	38-0200-00	#6 STR & Sol	.156	.111	1.00
#9, #10	#8, #9, #10	38-0208-00	#4 Sol	.203	.140	1.00
2.5, 6 mm ²	2.5 mm	38-4590-00	16 mm ²	.203	.140	1.00
10 mm ²	4 mm	38-4588-00	25 mm ²	.250	.200	1.00
#7, #8, #10	#6, #8	38-0201-00	#4	.227	.177	1.00
#6	#5	38-0202-00	#2	.292	.198	1.00
#4, #5	#3, #4	38-0207-00	#2	.287	.246	1.00
16 mm ²		38-4589-00	32 mm ²	.303	.209	1.00
#4	#2	38-0204-00	#1	.328	.265	1.00
#2	#1	38-0203-00	1/0	.370	.307	1.00
#1	1/0	38-0209-00	2/0	.420	.359	1.00
1/0, #1	2/0	38-0205-00	3/0 & 4/0 Sol	.452	.389	1.00
2/0, 1/0	3/0	38-0240-00	4/0	.524	.437	1.50

WEAR PLATES

WEAR PLATES

The average life of a mold is 50 plus welds depending on the care and treatment it receives. The maximum wear on a mold takes place at the mold openings due to forcing the mold shut over "out-of-round" conductors, hitting and then chipping openings with ends of conductors, etc. To increase the mold life, "Wear Plates" can be factory installed around the mold openings. They can be supplied for all molds for cable sizes: 1/0 AWG through 500 MCM and Copper-Clad Steel cable 7/#10 through 19/#6. To order, simply add the suffix "-W" to the mold catalog number such as M-241-W.



Weld Type	No. Wear Plates Req'd	Weld Type	No. Wear Plates Req'd	Weld Type	No. Wear Plates Req'd	Weld Type	No. Wear Plates Req'd
AC-1	1	CS-1	1	CC-1	2	CR-1	1
AC-2	2	CS-2	2	CC-2	3	CR-2	2
ACR-1	1	CS-3	1	CC-6 [†]	3	CR-3	2
ACR-2	2	CS-4	1	CC-7 [†]	4	CRE-3	2
CB-1	1	CS-6	2	CC-11	4	CRE-4	2
CB-5	2	CB-33	1				

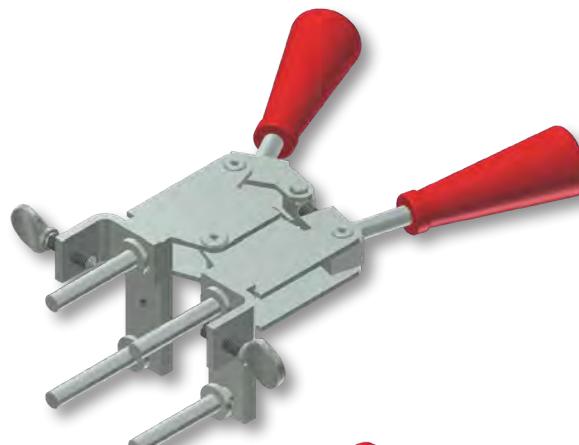
[†]Wear plates only available on 1/0 Str or 7/#10 and larger cable.

HANDLE CLAMPS

B-106 & B-107 HANDLE CLAMPS

For most connections involving lugs, cable or rectangular bus, thermOweld® Handle Clamps are used. thermOweld® Handle Clamps make possible the use of many different sizes and types of molds with only two different clamps. The two handle clamps are catalog numbers B-106 and B-107. These will fit of all standard thermOweld® molds.

1. Use B-106 clamps for all molds having a price key 4, 7, 17, 22 or 24. These molds are a nominal 3 1/8" wide molds.
2. Use B-107 clamps for all molds having a price key 5, 6, 8, 13 or 23. These molds are a nominal 4" wide molds.
3. All molds having a price key 3, 10, 12, 14, 15, 16 or 33 have an attached frame; separate handles are not required.



PK-3 MAGNETIC CLAMP

The PK-3 integral magnetic clamp is adaptable to all thermOweld® price key 3 molds. A strong, 48 lb. magnet holds the mold in place and prevents leakage. Works on both cast iron and steel and can be used to weld to both pipe as well as flat surfaces. Designed for remote welding, using our thermOweld® EZ Lite Remote® ignition system.

Part # 40-7202-00



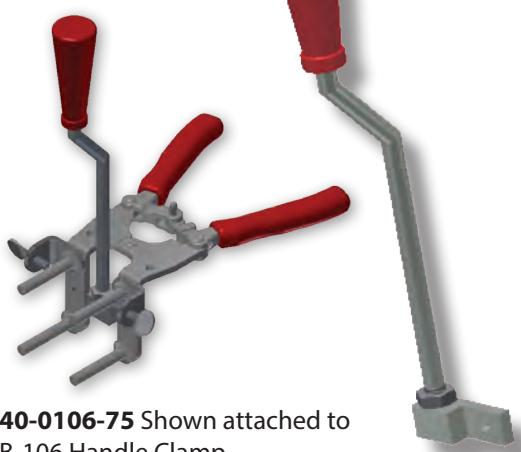
SHOWN WITH HANDLE

PK-14 HANDLE ATTACHMENT

The PK-14 Handle Attachment is used to hold a PK-14 molds in position. It is easily attached to the B-106 Handle Clamps. The PK-14 Handle Attachment can be used with weld types CRE-1 and CRE-4.



Part # 40-0106-75

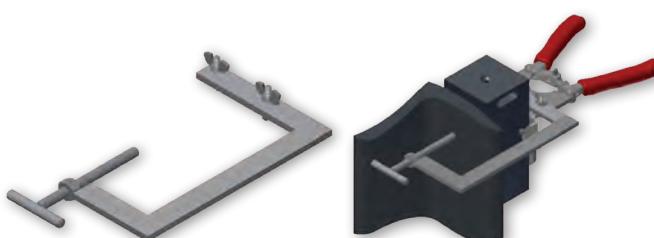


40-0106-75 Shown attached to
B-106 Handle Clamp

MOLD SUPPORT CLAMP

The Mold Support Clamp is used to hold a mold in position on a vertical steel column or angle. It is easily attached to the Handle Clamps. The Mold Support Clamp can be used with weld types CS-3, CS-18, CS-23 and CS-27.

Part # 40-3657-00



40-3657-00 Shown in use
with the B-106 Handle Clamp.

HANDLE CLAMPS

VERTICAL MAGNETIC CLAMPS

thermOweld® Magnetic Clamp is used to hold a mold in position on a vertical steel surface. The magnetic clamp can be purchased complete with B-106 Handle Clamps or if you already have a set of handles, you can order just the magnetic mounting assembly. The mounting assembly can easily be mounted on the prongs of your existing B-106 handle clamps. A minimum of 10" is required.

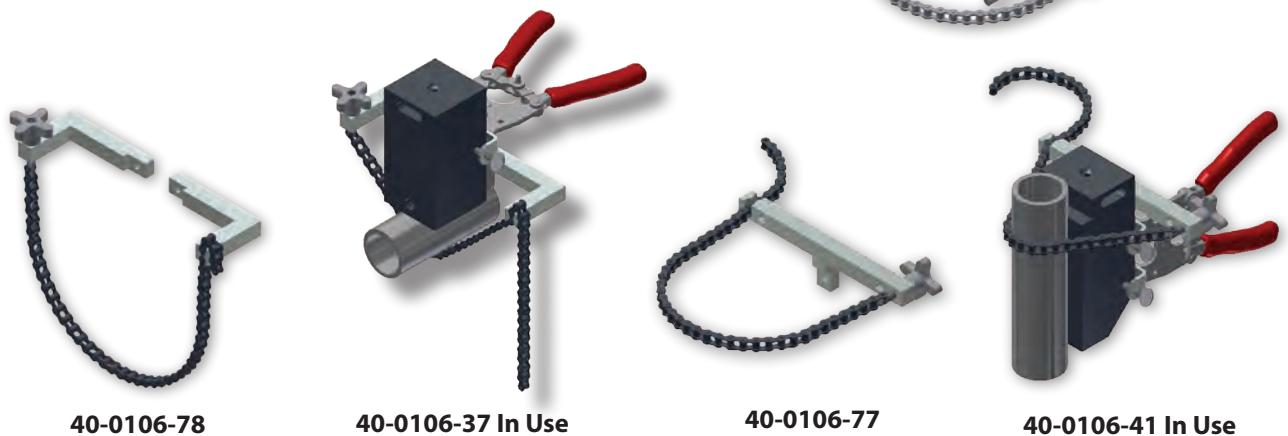


Vertical Magnetic Handle Clamps (Complete with B-106 Handle Clamp)		
Catalog #	Fits Molds w/ Price Key	For Use With Weld Types
40-4431-00	4 & 17	CS-3, 4, 7 & 23
Vertical Magnetic Clamp Only (Handle Clamp Not Included)		
Catalog #	Fits Handle Clamp	For Use With Weld Types
40-4431-01	B-106/B-107	CS-3, 4, 7 & 23

HORIZONTAL & VERTICAL CHAIN CLAMPS

thermOweld® Chain Clamps are used to hold a mold in position on horizontal or vertical pipe up to 4" in diameter. For larger pipe a 20" chain extension is available to allow the chain clamps to be used on pipe up to 10" in diameter. The chain clamp can be purchased complete with B-106 or B-107 Handle Clamps or if you already have a set of clamps, you can order just the chain clamp and mounting assembly. The mounting assembly can easily attach to your existing thermOweld® Handle Clamps. 20" Chain Extension part #40-0106-27.

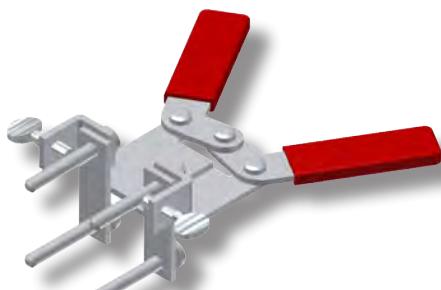
Chain Clamps (Complete with Handle Clamps)			
Catalog #	Fits Molds w/ Price Key	For Use With Weld Types	Pipe Position
40-0106-32	4, 17, 22 & 24	CS-3, 4, 7, 23 & CRE-6	Vertical
40-0107-32	5, 6 & 23	CS-3, 4, 7 & 23	Vertical
40-0106-37	4, 17, 22 & 24	CS-1, 2, 5, 8 & 9	Horizontal
40-0107-37	5, 6 & 23	CS-1, 2, 5, 8 & 9	Horizontal
40-0106-41	4, 17	CS-6, 18 & CRE-3	Vertical
Chain Clamp Only (Handle Clamps Not Included)			
Catalog #	Fits Handle Clamp	For Use With Weld Types	Pipe Position
40-0106-76	B-106 & B-107	CS-3, 4, 7, 23 & CRE-6	Vertical
40-0106-78	B-106 & B-107	CS-1, 2, 5, 8 & 9	Horizontal
40-0106-77	B-106 & B-107	CS-6, 18 & CRE-3	Vertical



MINI HANDLE CLAMPS

MINI HANDLE CLAMPS

thermOweld® Mini Handle Clamps are used PK-18, 19 and 20 Molds.



40-4565-00

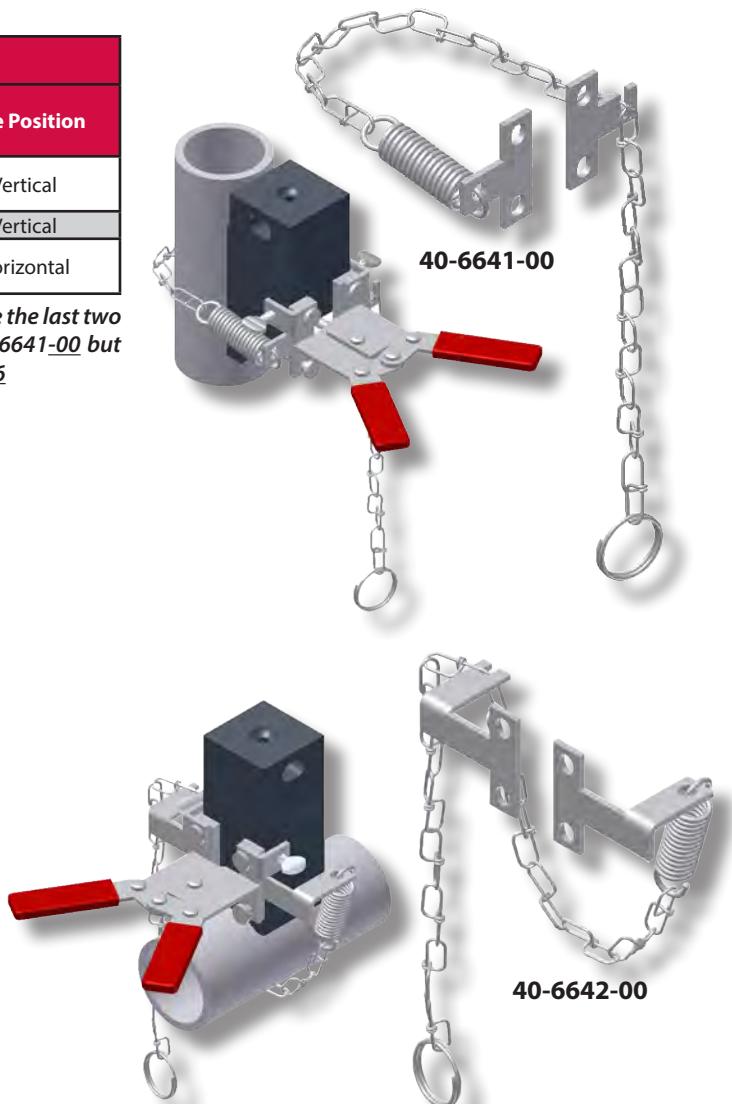
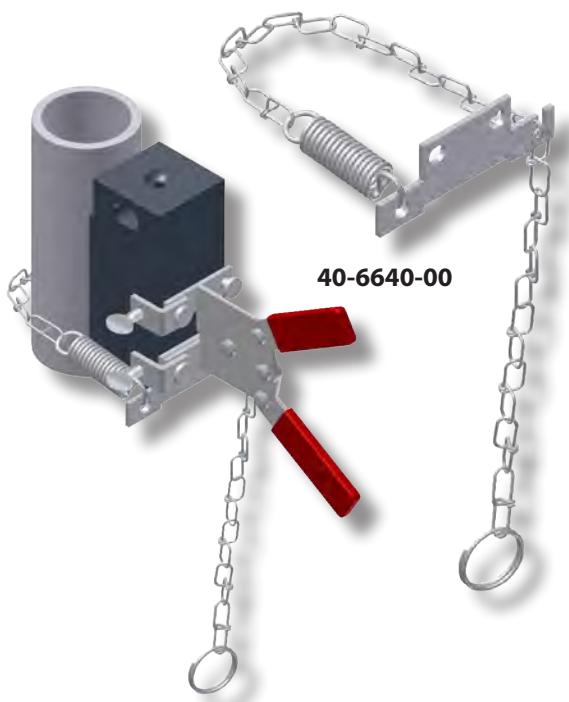
Mini Handle Clamps	
Catalog #	Fits Molds w/ Price Key
40-4565-00	18, 19, 20

HORIZONTAL & VERTICAL CHAIN CLAMPS

thermOweld® Chain Clamps for use with the Mini Handle Clamps are used to hold a mold in position on horizontal or vertical pipe up to 4" in diameter. The mounting assembly easily attaches to your existing thermOweld® Mini Handle Clamps.

Chain Clamps Only (Handle Clamps Not Included)			
Catalog #	Fits Molds w/ Price Key	For Use With Weld Types	Pipe Position
40-6641-00	18, 19 & 20	CS-3, 4, 7, 23, 36, 37 & CRE-6	Vertical
40-6640-00	18, 19 & 20	CS-6, 18, 27 & CRE-3	Vertical
40-6642-00	18, 19 & 20	CS-1, 2, 5, 8, 9 & CRE-4	Horizontal

Standard chain length is 24". Other lengths available. Replace the last two digits (-00) with required length. Example: chain clamp 40-6641-00 but with total length of 36" would be catalog number 40-6641-36



Section 7

UL Lightning Protection Products

Description.....	Page #
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For Lightning Protection Molds see Section 4

UL LIGHTNING PROTECTION PRODUCTS

UL LISTED LIGHTNING PROTECTION CONDUCTORS

UL Listed Conductors

Catalog #	MATERIAL	AWG	STRAND CONFIGURATION	NO. OF STRANDS	STRAND DIAMETER	TIN PLATED	LBS PER 1000 FT	CIRCULAR MILLS	CABLE CODES
36-7562-00	Copper	LP Class I	Smooth Weave	29	.046"	NO	189	61,350	C
36-7562-01	Copper	LP Class I	Smooth Weave	29	.046"	YES	189	61,350	C
36-7562-02	Copper	LP Class I	Smooth Weave	30	.046"	NO	191	63,450	C
36-7573-00	Aluminum	LP Class I	Smooth Weave	24	.065"	NO	98	98,640	N/A
36-7562-03	Copper	#2	Smooth Weave	32	.046"	NO	206	67,700	C
36-7562-04	Copper	#2	Smooth Weave	32	.046"	YES	206	67,700	C
36-7562-06	Copper	1/0	Smooth Weave	24	.067"	NO	340	105,600	D
36-7562-07	Copper	1/0	Smooth Weave	24	.067"	YES	340	105,600	D
36-7573-02	Aluminum	1/0	Smooth Weave	26	.065"	NO	103	109,850	N/A
36-7573-01	Aluminum	1/0	Smooth Weave	28	.065"	NO	109	118,300	N/A
36-7561-08	Copper	1/0	Concentric	19	.075"	NO	325	106,850	D
36-7557-00	Copper	LP Class II	Rope Lay	28	.067"	NO	380	125,600	D
36-7557-01	Copper	LP Class II	Rope Lay	28	.067"	YES	380	125,600	D
36-7557-02	Copper	2/0	Rope Lay	30	.067"	NO	420	134,600	F
36-7557-03	Copper	2/0	Rope Lay	30	.067"	YES	420	134,600	F
36-7561-00	Copper	2/0	Concentric	19	.0837"	NO	410	133,100	C
36-7561-01	Copper	2/0	Concentric	19	.0837"	YES	410	133,100	C
36-7573-03	Aluminum	2/0	Smooth Weave	32	.065"	NO	124	135,200	N/A
36-7561-02	Copper	3/0	Concentric	19	.094"	NO	518	167,800	F
36-7561-03	Copper	3/0	Concentric	19	.094"	YES	518	167,800	F
36-7561-04	Copper	4/0	Concentric	19	.1057"	NO	653	211,600	Q
36-7561-05	Copper	4/0	Concentric	19	.1057"	YES	653	211,600	Q
36-7561-06	Copper	4/0	Concentric	37	.0757"	NO	653	211,600	Q
36-7561-07	Copper	4/0	Concentric	37	.0757"	YES	653	211,600	Q
36-7559-00	Aluminum	4/0	Concentric	19	.1057"	NO	204	211,700	N/A



Smooth Weave



Rope Lay



Concentric



Smooth Weave Aluminum

UL
LISTED
6GA3
Lightning
Conductor

UL LIGHTNING PROTECTION PRODUCTS

UL LISTED LIGHTNING PROTECTION CONDUCTORS

UL Listed Secondary Conductors

Catalog #	MATERIAL	AWG	STRAND CONFIGURATION	NO. OF STRANDS	STRAND DIAMETER	TIN PLATED	LBS PER 1000 FT	CIRCULAR MILLS	CABLE CODE
36-7563-00	Copper	#6	Smooth Weave	14	.046"	NO	92	29,600	A
36-7563-01	Copper	#6	Smooth Weave	14	.046"	YES	92	29,600	A
36-7563-02	Copper	#4	Smooth Weave	10	.067"	NO	130	44,800	B
36-7563-03	Copper	#4	Smooth Weave	10	.067"	YES	130	44,800	B
36-7573-04	Aluminum	#2	Smooth Weave	16	.065"	NO	62	67,600	N/A
36-7558-01	Copper	#6	Solid	1	.162"	NO	80	26,240	N/A
36-7558-00	Copper	#6	Solid	1	.162"	YES	80	26,240	N/A
36-7558-02	Copper	#4	Solid	1	.2044"	NO	127	41,740	N/A
36-7558-03	Copper	#4	Solid	1	.2044"	YES	127	41,740	N/A
36-7560-00	Aluminum	#4	Solid	1	.2044"	NO	40	41,740	N/A
36-7558-04	Copper	#2	Solid	1	.2577"	NO	204	66,360	N/A
36-7558-05	Copper	#2	Solid	1	.2577"	YES	204	66,360	N/A
36-7560-01	Aluminum	#2	Solid	1	.2577"	NO	60	66,360	B
36-7559-01	Aluminum	#4	Concentric	10	.065"	NO	41	42,200	N/A

Section 7
UL Lightning Protection


LISTED
6GA3
Lightning
Conductor



Solid Copper



Smooth Weave



Solid Aluminum

UL Listed Aluminum Steel Reinforced Conductors for Catenary LP Systems

Catalog #	MATERIAL	AWG	STRAND CONFIGURATION	NO. OF STRANDS	STRAND DIAMETER	TIN PLATED	LBS PER 1000 FT	CIRCULAR MILLS	CABLE CODE
36-8193-01	Aluminum Steel Reinforced	1/0	Concentric	7	.1327	NO	145	105,656	A
36-8193-03	High Strength Aluminum Steel Reinforced	Class II	Concentric	19	.1327	NO	527	211,311	A



UL LIGHTNING PROTECTION PRODUCTS

UL LISTED AIR TERMINALS

UL Listed Air Terminals

UL Listed Air Terminals are made of solid aluminum, copper, nickel plated, stainless steel, lead dipped or tinned* rod. They can be ordered with a standard 2" taper or safety tipped. * Tinned rod only available up to 24" lengths.



Catalog #	Product Description	Diameter (in)	Length (in)	Material
38-7237-00	2" Tapered Tip Air Terminal	1/2"	12"	Aluminum
38-7237-05		1/2"	15"	Aluminum
38-7237-04		1/2"	18"	Aluminum
38-7237-01		1/2"	24"	Aluminum
38-7237-10		1/2"	48"	Aluminum
38-7237-11		1/2"	60"	Aluminum
38-7613-03		5/8"	12"	Aluminum
38-7613-00		5/8"	15"	Aluminum
38-7613-12		5/8"	18"	Aluminum
38-7613-02		5/8"	24"	Aluminum
38-7613-08		5/8"	48"	Aluminum
38-7613-10		5/8"	60"	Aluminum
38-7321-01		1/2"	12"	Copper
38-7321-13		1/2"	15"	Copper
38-7321-10		1/2"	18"	Copper
38-7321-00		1/2"	24"	Copper
38-7321-03		1/2"	48"	Copper
38-7321-11		1/2"	60"	Copper
38-7425-23	2" Safety Tipped Air Terminal	5/8"	12"	Copper
38-7425-18		5/8"	15"	Copper
38-7425-20		5/8"	18"	Copper
38-7425-13		5/8"	24"	Copper
38-7425-24		5/8"	48"	Copper
38-7425-05		5/8"	60"	Copper

Catalog #	Product Description	Diameter (in)	Length (in)	Material
38-7237-09	Safety Tipped Air Terminal	1/2"	12"	Aluminum
38-7237-08		1/2"	15"	Aluminum
38-7237-02		1/2"	18"	Aluminum
38-7237-07		1/2"	24"	Aluminum
38-7237-03		1/2"	48"	Aluminum
38-7237-12		1/2"	60"	Aluminum
38-7613-04		5/8"	12"	Aluminum
38-7613-05		5/8"	15"	Aluminum
38-7613-06		5/8"	18"	Aluminum
38-7613-07		5/8"	24"	Aluminum
38-7613-09		5/8"	48"	Aluminum
38-7613-11		5/8"	60"	Aluminum
38-7347-01		1/2"	12"	Copper
38-7321-14		1/2"	15"	Copper
38-7321-15		1/2"	18"	Copper
38-7347-00		1/2"	24"	Copper
38-7321-16		1/2"	48"	Copper
38-7321-17		1/2"	60"	Copper
38-7425-17	2" Safety Tipped Air Terminal	5/8"	12"	Copper
38-7425-19		5/8"	15"	Copper
38-7425-21		5/8"	18"	Copper
38-7425-04		5/8"	24"	Copper
38-7425-16		5/8"	48"	Copper
38-7425-22		5/8"	60"	Copper

Other lengths and materials available, contact thermOweld. 3/8" Copper rod available upon request.

UL LIGHTNING PROTECTION PRODUCTS

UL LISTED AIR TERMINAL ACCESSORIES

UL Listed Air Terminal Extension Rods

Solid Aluminum, Copper or Stainless Steel rod threaded at each end for use as a main conductor or air terminal extension. Available in lengths up to (12'). Specify length in feet, by replacing the "L" with the length in inches when ordering. UL Listed Example: 38-7594-48 = 1/2" Copper 48" long.

Catalog #	Product Description	Diameter (in)	Material
38-7590-"L"	Extension Rod	1/2"	Aluminum
38-7591-"L"	Extension Rod	5/8"	Aluminum
38-7593-"L"	Extension Rod	3/8"	Copper
38-7594-"L"	Extension Rod	1/2"	Copper
38-7595-"L"	Extension Rod	5/8"	Copper
38-7596-"L"	Extension Rod	3/4"	Copper

"L" = Length of Extension Rod in Inches.



Section 7
UL Lightning Protection

UL Listed Swivels

Cast aluminum or brass swivel action allows air terminals to level on most surfaces. Added jam nut allows swivel to be locked in place. UL Listed.

Catalog #	Product Description	Size	Material
38-7751-01	Swivel	1/2" female to 1/2" male	Aluminum
38-7751-00	Swivel	1/2" female to 5/8" male	Aluminum
38-7751-02	Swivel	1/2" male to 5/8" female	Aluminum
38-7751-03	Swivel	5/8" female to 5/8" male	Aluminum
38-7752-00	Swivel	3/8" female to 3/8" male	Brass
38-7752-01	Swivel	3/8" female to 1/2" male	Brass
38-7752-02	Swivel	3/8" male to 1/2" female	Brass
38-7752-03	Swivel	1/2" female to 1/2" male	Brass
38-7752-04	Swivel	1/2" female to 5/8" male	Brass
38-7752-05	Swivel	1/2" male to 5/8" female	Brass
38-7752-06	Swivel	5/8" female to 5/8" male	Brass



UL LISTED AIR TERMINAL ACCESSORIES

UL Listed Tripod Brace

Galvanized tripod brace is made of mild steel. Can be attached with screw or adhesive. For all air terminals over 24" in length. Fits 3/8", 1/2" & 5/8" rods. UL Listed.

Catalog #	Product Description	Use with Air Terminal
38-7494-18	Tripod Brace	30"
38-7494-24	Tripod Brace	36"
38-7494-36	Tripod Brace	48"
38-7494-48	Tripod Brace	60"
38-7494-60	Tripod Brace	72"
38-7494-72	Tripod Brace	84"
38-7494-84	Tripod Brace	96"

Other Sizes available upon request.



UL LIGHTNING PROTECTION PRODUCTS

UL LISTED AIR TERMINAL BASES

UL Listed Cast Multi-Purpose Point Base

UL Listed Cast Multi-Purpose Base is a cast base threaded for mounting on horizontal and/or vertical surfaces using screws, 1/4" bolts, 1/4" drive-in anchors or an adhesive. Bolt tension cap can be turned so cables can run horizontal or vertical. Accepts up to two conductors.

Catalog #	Product Description	Material
38-7806-11	Cast Multi-Purpose Point Base - For 1/2" Air Terminals	Brass
38-7806-01	Cast Multi-Purpose Point Base - For 1/2" Air Terminals	Aluminum
38-7806-12	Cast Multi-Purpose Point Base - For 5/8" Air Terminals	Brass
38-7806-02	Cast Multi-Purpose Point Base - For 5/8" Air Terminals	Aluminum



Section 7
UL Lightning Protection

UL Listed Dual Mount Base

UL Listed Dual Mount Bases are cast and threaded for mounting on horizontal or vertical surfaces using screws, 1/4" bolts, 1/4" drive-in anchors, or an adhesive. Bolt tension cap can be turned so cables can run horizontal or vertical.

Catalog #	Product Description	Material
38-7239-01	Dual Mount Bases - for 1/2" Air Terminal	Aluminum
38-7239-10	Dual Mount Bases - for 3/8" Air Terminal	Bronze
38-7239-11	Dual Mount Bases - for 1/2" Air Terminal	Bronze
38-7239-20	Dual Mount Bases - for 3/8" Air Terminal	Tinned
38-7239-21	Dual Mount Bases - for 1/2" Air Terminal	Tinned



UL Listed Dual Mount Narrow Base

UL Listed Dual Mount Bases are cast and can be mounted either horizontally or vertically with screws, 1/4" bolt, or 1/4" drive-in-anchor. Bolt tension cap can be turned so cables run horizontal or vertical. Furnished for air terminal size 3/8" or 1/2".

Catalog #	Product Description	Material
38-7244-01	Dual Mount Bases - for 1/2" Air Terminal	Aluminum
38-7244-10	Dual Mount Bases - for 3/8" Air Terminal	Bronze
38-7244-11	Dual Mount Bases - for 1/2" Air Terminal	Bronze
38-7244-21	Dual Mount Bases - for 3/8" Air Terminal	Tinned
38-7244-22	Dual Mount Bases - for 1/2" Air Terminal	Tinned



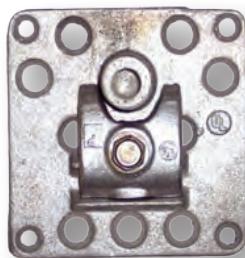
Suitable for use with lightning protection cable range of approximately 29,000 to 212,000 circular mils.

UL LIGHTNING PROTECTION PRODUCTS

UL LISTED AIR TERMINAL BASES

UL Listed Adhesive Base

UL Listed Adhesive Bases are designed with bolt tension cable clamping and can be used on any surface with an adhesive. It is available for all air terminals sizes 3/8", 1/2", and 5/8"



Catalog #	Product Description	Material
38-7242-01	Adhesive Bases - for 1/2" Air Terminal	Aluminum
38-7242-02	Adhesive Bases - for 5/8" Air Terminal	Aluminum
38-7242-10	Adhesive Bases - for 3/8" Air Terminal	Bronze
38-7242-11	Adhesive Bases - for 1/2" Air Terminal	Bronze
38-7242-12	Adhesive Bases - for 5/8" Air Terminal	Bronze
38-7242-20	Adhesive Bases - for 3/8" Air Terminal	Tinned
38-7242-21	Adhesive Bases - for 1/2" Air Terminal	Tinned
38-7242-22	Adhesive Bases - for 5/8" Air Terminal	Tinned

UL Listed Side Mount Narrow Base

This cast base can be mounted vertically with screws, 1/4 " bolts, or 1/4 " drive- in anchors. Bolt tension cap can be turned so cables can run horizontal or vertical. Furnished for all air terminal sizes 3/8", 1/2", and 5/8". Specify when ordering. UL listed.



Catalog #	Product Description	Material
38-7496-01	Side Mount Base - for 1/2" Air Terminal	Aluminum
38-7496-02	Side Mount Base - for 5/8" Air Terminal	Aluminum
38-7496-10	Side Mount Base - for 3/8" Air Terminal	Bronze
38-7496-11	Side Mount Base - for 1/2" Air Terminal	Bronze
38-7496-12	Side Mount Base - for 5/8" Air Terminal	Bronze
38-7496-20	Side Mount Base - for 3/8" Air Terminal	Tinned
38-7496-21	Side Mount Base - for 1/2" Air Terminal	Tinned
38-7496-22	Side Mount Base - for 5/8" Air Terminal	Tinned

Suitable for use with lightning protection cable range of approximately 29,000 to 212,000 circular mils.

UL LIGHTNING PROTECTION PRODUCTS

UL LISTED AIR TERMINAL BASES

UL Listed Top Mount Narrow Base

This cast base can be mounted horizontally with screws, 1/4" bolts, or 1/4" drive-in anchors. Bolt tension cap can be turned so cables can run horizontal or vertical. Furnished for all air terminal sizes 3/8", 1/2", and 5/8". Specify when ordering. UL listed.

Catalog #	Product Description	Material
38-7495-01	Top Mount Base - for 1/2" Air Terminal	Aluminum
38-7495-02	Top Mount Base - for 5/8" Air Terminal	Aluminum
38-7495-10	Top Mount Base - for 3/8" Air Terminal	Bronze
38-7495-11	Top Mount Base - for 1/2" Air Terminal	Bronze
38-7495-12	Top Mount Base - for 5/8" Air Terminal	Bronze
38-7495-20	Top Mount Base - for 3/8" Air Terminal	Tinned
38-7495-21	Top Mount Base - for 1/2" Air Terminal	Tinned
38-7495-22	Top Mount Base - for 5/8" Air Terminal	Tinned

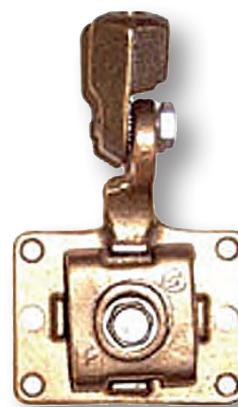


Section 7
UL Lightning Protection

UL Listed Universal Swivel Base

This is the most universal base in the industry. The swivel adaptor allows the air terminal to level under most conditions. It can be secured with screws, nails, 1/4" bolts, 1/4" drive-in anchors, or an adhesive. Bolt tension cap can be turned so the cable can run horizontal or vertical. Perfect for skylights, domed or gently sloping roofs, or any uneven surface. Furnished for all air terminal sizes 3/8", 1/2", and 5/8". Specify when ordering. UL Listed.

Catalog #	Product Description	Material
38-7491-01	Universal Swivel Base - for 1/2" Air Terminal	Aluminum
38-7491-02	Universal Swivel Base - for 5/8" Air Terminal	Aluminum
38-7491-10	Universal Swivel Base - for 3/8" Air Terminal	Bronze
38-7491-11	Universal Swivel Base - for 1/2" Air Terminal	Bronze
38-7491-12	Universal Swivel Base - for 5/8" Air Terminal	Bronze
38-7491-20	Universal Swivel Base - for 3/8" Air Terminal	Tinned
38-7491-21	Universal Swivel Base - for 1/2" Air Terminal	Tinned
38-7491-22	Universal Swivel Base - for 5/8" Air Terminal	Tinned



UL LIGHTNING PROTECTION PRODUCTS

UL LISTED AIR TERMINAL BASES

UL Lightning Protection Section 7

UL Listed Narrow Surface Base

This strap base can be mounted on a narrow surface or ridge roof with screws or nails. Base can be modified to accept other anchors. Bolt tension cap provides maximum cable support. Furnished for all air terminal sizes - 3/8", 1/2", and 5/8". Specify when ordering. UL listed.

Catalog #	Product Description	Material
38-7499-01	Narrow Surface Base - for 1/2" Air Terminal	Aluminum
38-7499-02	Narrow Surface Base - for 5/8" Air Terminal	Aluminum
38-7499-10	Narrow Surface Base - for 3/8" Air Terminal	Copper
38-7499-11	Narrow Surface Base - for 1/2" Air Terminal	Copper
38-7499-12	Narrow Surface Base - for 5/8" Air Terminal	Copper
38-7499-20	Narrow Surface Base - for 3/8" Air Terminal	Tinned
38-7499-21	Narrow Surface Base - for 1/2" Air Terminal	Tinned
38-7499-22	Narrow Surface Base - for 5/8" Air Terminal	Tinned



UL Listed Offset Base

A cast base with a 2" offset to clear an overhang when mounted on a vertical surface using screws, 1/4 " bolts, or 1/4 " drive-in anchors. Bolt tension cap can be turned so cables can run horizontal or vertical. Furnished for all air terminal sizes 3/8", 1/2", and 5/8". Specify when ordering. UL listed

Catalog #	Product Description	Material
38-7444-01	Offset Base - for 1/2" Air Terminal	Aluminum
38-7444-02	Offset Base - for 5/8" Air Terminal	Aluminum
38-7444-10	Offset Base - for 3/8" Air Terminal	Bronze
38-7444-11	Offset Base - for 1/2" Air Terminal	Bronze
38-7444-12	Offset Base - for 5/8" Air Terminal	Bronze
38-7444-20	Offset Base - for 3/8" Air Terminal	Tinned
38-7444-21	Offset Base - for 1/2" Air Terminal	Tinned
38-7444-22	Offset Base - for 5/8" Air Terminal	Tinned



UL LISTED AIR TERMINAL BASES

UL Listed Ridge Mount Base

This strap base can be mounted on ridge roof with screws or nails. Base can be modified to accept other anchors. Bolt tension cap provides maximum cable support. Furnished for point sizes - 3/8", 1/2", and 5/8". Specify when ordering. UL listed.

Catalog #	Product Description	Material
38-7501-01	Ridge Mount Base - for 1/2" Air Terminal	Aluminum
38-7501-02	Ridge Mount Base - for 5/8" Air Terminal	Aluminum
38-7501-10	Ridge Mount Base - for 3/8" Air Terminal	Copper
38-7501-11	Ridge Mount Base - for 1/2" Air Terminal	Copper
38-7501-12	Ridge Mount Base - for 5/8" Air Terminal	Copper
38-7501-20	Ridge Mount Base - for 3/8" Air Terminal	Tinned
38-7501-21	Ridge Mount Base - for 1/2" Air Terminal	Tinned
38-7501-22	Ridge Mount Base - for 5/8" Air Terminal	Tinned



UL Listed Cast Straight Base

Cast straight base. Two bolts or set screws hold cable firmly and air terminal screws into top to keep cable and air terminal in straight line. Available for air terminal sizes 3/8", 1/2" and 5/8". Specify when ordering. Hex Rod for all air terminal sizes and with set screws in lieu of bolts. UL Listed

Catalog #	Product Description	Material
38-7505-21	Cast Straight Base - Hex Rod - for 1/2" Air Terminal	Aluminum
38-7505-22	Cast Straight Base - Hex Rod - for 5/8" Air Terminal	Aluminum
38-7505-30	Cast Straight Base - Hex Rod - for 3/8" Air Terminal	Bronze
38-7505-31	Cast Straight Base - Hex Rod - for 1/2" Air Terminal	Bronze
38-7505-32	Cast Straight Base - Hex Rod - for 5/8" Air Terminal	Bronze



UL LIGHTNING PROTECTION PRODUCTS

UL LISTED AIR TERMINAL BASES

UL Listed Standing Seam Base

This cast base for standing seam roof has 3/4" groove to fit over most seams. Provided with a swivel adapter for leveling air terminals. Cable holder is adjustable so cables can run parallel or perpendicular. Two set screws secure base to seam. Available for air terminal sizes 3/8", 1/2", and 5/8". Specify when ordering. UL Listed



Catalog #	Product Description	Material
38-7507-01	Standing Seam Base - for 1/2" Air Terminal	Aluminum
38-7507-02	Standing Seam Base - for 5/8" Air Terminal	Aluminum
38-7507-10	Standing Seam Base - for 3/8" Air Terminal	Bronze
38-7507-11	Standing Seam Base - for 1/2" Air Terminal	Bronze
38-7507-12	Standing Seam Base - for 5/8" Air Terminal	Bronze
38-7507-20	Standing Seam Base - for 3/8" Air Terminal	Tinned
38-7507-21	Standing Seam Base - for 1/2" Air Terminal	Tinned
38-7507-22	Standing Seam Base - for 5/8" Air Terminal	Tinned

UL Listed Stamped Vent Base

Stamped vent air terminal base with no cable holder. Over 3 square inches of contact to direct mount air terminal on continuous metal surface. Furnished for all air terminal sizes 3/8", 1/2", and 5/8". Specify when ordering. UL listed



Catalog #	Product Description	Material
38-7523-01	Stamped Vent Base - for 1/2" Air Terminal	Aluminum
38-7523-02	Stamped Vent Base - for 5/8" Air Terminal	Aluminum
38-7523-10	Stamped Vent Base - for 3/8" Air Terminal	Copper
38-7523-11	Stamped Vent Base - for 1/2" Air Terminal	Copper
38-7523-12	Stamped Vent Base - for 5/8" Air Terminal	Copper
38-7523-20	Stamped Vent Base - for 3/8" Air Terminal	Tinned
38-7523-21	Stamped Vent Base - for 1/2" Air Terminal	Tinned
38-7523-22	Stamped Vent Base - for 5/8" Air Terminal	Tinned

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UL LIGHTNING PROTECTION PRODUCTS

UL LISTED AIR TERMINAL BASES

UL Listed U-Bolt Pipe Mount Bases with Cable Connector

UL Listed cast aluminum, brass or tinned u-bolt pipe mount base. Can be configured for top or side mount. Size 3" O.D. or above can be provided with a cable connection. Fits O.D. pipes from 1.315" O.D. to 8.625" O.D. Available for air terminal sizes 3/8", 1/2", or 5/8".



Section 7
UL Lightning Protection

UL Listed U-Bolt Pipe Mount Base with Cable Connector 1.900" to 3.00" Range

Catalog #	Product Description	Material
38-7685-21	1/2" Terminal U-Bolt Dual Mount Base - Fits 1.9" to 3.0" OD Pipe, w/cable connector	Aluminum
38-7685-22	5/8" Terminal U-Bolt Dual Mount Base - Fits 1.9" to 3.0" OD Pipe, w/cable connector	Aluminum
38-7685-34	3/8" Terminal U-Bolt Dual Mount Base - Fits 1.9" to 3.0" OD Pipe, w/cable connector	Tinned
38-7685-35	1/2" Terminal U-Bolt Dual Mount Base - Fits 1.9" to 3.0" OD Pipe, w/cable connector	Tinned
38-7685-36	5/8" Terminal U-Bolt Dual Mount Base - Fits 1.9" to 3.0" OD Pipe, w/cable connector	Tinned

UL Listed U-Bolt Pipe Mount Base with Cable Connector 2.75" to 4.50" Range

Catalog #	Product Description	Material
38-7686-21	1/2" Terminal U-Bolt Dual Mount Base - Fits 2.75" to 4.5" OD Pipe, w/cable connector	Aluminum
38-7686-22	5/8" Terminal U-Bolt Dual Mount Base - Fits 2.75" to 4.5" OD Pipe, w/cable connector	Aluminum
38-7686-34	3/8" Terminal U-Bolt Dual Mount Base - Fits 2.75" to 4.5" OD Pipe, w/cable connector	Tinned
38-7686-35	1/2" Terminal U-Bolt Dual Mount Base - Fits 2.75" to 4.5" OD Pipe, w/cable connector	Tinned
38-7686-36	5/8" Terminal U-Bolt Dual Mount Base - Fits 2.75" to 4.5" OD Pipe, w/cable connector	Tinned

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UL LIGHTNING PROTECTION PRODUCTS

UL LISTED AIR TERMINAL BASES

UL Listed U-Bolt Pipe Mount Bases with Cable Connector Continued

UL Listed U-Bolt Pipe Mount Base with Cable Connector 4.50" to 6.75" Range

Catalog #	Product Description	Material
38-7687-21	1/2" Terminal U-Bolt Dual Mount Base - Fits 4.5" to 6.75" OD Pipe, w/cable connector	Aluminum
38-7687-22	5/8" Terminal U-Bolt Dual Mount Base - Fits 4.5" to 6.75" OD Pipe, w/cable connector	Aluminum
38-7687-34	3/8" Terminal U-Bolt Dual Mount Base - Fits 4.5" to 6.75" OD Pipe, w/cable connector	Tinned
38-7687-35	1/2" Terminal U-Bolt Dual Mount Base - Fits 4.5" to 6.75" OD Pipe, w/cable connector	Tinned
38-7687-36	5/8" Terminal U-Bolt Dual Mount Base - Fits 4.5" to 6.75" OD Pipe, w/cable connector	Tinned

UL Listed U-Bolt Pipe Mount Base with Cable Connector 6.00" to 8.625" Range

Catalog #	Product Description	Material
38-7688-21	1/2" Terminal U-Bolt Dual Mount Base - Fits 6.0" to 8.625" OD Pipe, w/cable connector	Aluminum
38-7688-22	5/8" Terminal U-Bolt Dual Mount Base - Fits 6.0" to 8.625" OD Pipe, w/cable connector	Aluminum
38-7688-34	3/8" Terminal U-Bolt Dual Mount Base - Fits 6.0" to 8.625" OD Pipe, w/cable connector	Tinned
38-7688-35	1/2" Terminal U-Bolt Dual Mount Base - Fits 6.0" to 8.625" OD Pipe, w/cable connector	Tinned
38-7688-36	5/8" Terminal U-Bolt Dual Mount Base - Fits 6.0" to 8.625" OD Pipe, w/cable connector	Tinned



UL LIGHTNING PROTECTION PRODUCTS

UL LISTED CONDUCTOR SPLICERS

UL Listed Parallel Splitters

UL Listed Parallel Cable Splitters are cast and is designed with one carriage bolt and 1-1/2" of contact on cables or wires. Designed so the bolt does not come through bottom of the splicer and penetrate roof membrane. May be used with full size cables and secondary bonding wire.

Catalog #	Product Description	Material
38-7248-00	Parallel Splitters (Single Carriage Bolt, 1-1/2" of contact)	Aluminum
38-7248-10	Parallel Splitters (Single Carriage Bolt, 1-1/2" of contact)	Bronze
38-7248-11	Parallel Splitters (Single Carriage Bolt, 1-1/2" of contact)	Tinned



Section 7
UL Lightning Protection

UL Listed Parallel Splitters

UL Listed Cast Parallel Cable Splitters are designed with a double carriage bolt tension and 2" of contact on cables or wires. May be used with full size cables and secondary bonding wire.

Catalog #	Product Description	Material
38-7250-00	Parallel Splitters (Double Carriage Bolts, 2" of contact)	Aluminum
38-7250-10	Parallel Splitters (Double Carriage Bolts, 2" of contact)	Bronze
38-7250-11	Parallel Splitters (Double Carriage Bolts, 2" of contact)	Tinned



UL Listed Parallel Splicer

UL Listed Parallel Cable Splitters are cast and is designed with one carriage bolt. This splicer may be used with rod, cable, or bonding wire where less contact is acceptable.

Catalog #	Product Description	Material
38-7297-00	Parallel Splitters (Single Carriage Bolt, 1" of contact)	Aluminum
38-7297-10	Parallel Splitters (Single Carriage Bolt, 1" of contact)	Bronze
38-7297-11	Parallel Splitters (Single Carriage Bolt, 1" of contact)	Tinned

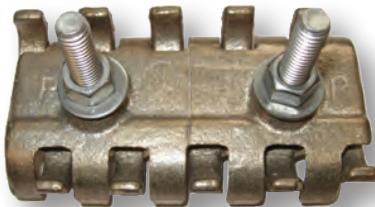


Visit www.thermoweld.com for training videos

UL LISTED CONDUCTOR SPLICERS

UL Listed Cast Parallel Splicer

UL Listed Cast Parallel Cable Splicers are designed with double bolt tension and 4" of contact on cable or wires. Splicer may be used with full size cables or secondary bonding wires.



Catalog #	Product Description	Material
38-7300-00	Cast Parallel Splicers (Double Carriage Bolts, 4" of contact)	Aluminum
38-7300-10	Cast Parallel Splicers (Double Carriage Bolts, 4" of contact)	Bronze
38-7300-11	Cast Parallel Splicers (Double Carriage Bolts, 4" of contact)	Tinned

UL Listed Cast Parallel Splicer

UL Listed Cast Parallel Cable Splicers are designed with double bolt tension and 2" of contact on cable or wires. Splicer may be used with full size cables or secondary bonding wires.



Catalog #	Product Description	Material
38-7301-00	Cast Parallel Splicers (Single Carriage Bolt, 2" of contact)	Aluminum
38-7301-10	Cast Parallel Splicers (Single Carriage Bolt, 2" of contact)	Bronze
38-7301-11	Cast Parallel Splicers (Single Carriage Bolt, 2" of contact)	Tinned

UL Listed Cast Straight Splicer

UL Listed Straight Cable Splicers are cast and is designed with four bolt cable tension - two per cable. This splicer is used to butt ends of cable in straight line. It is also available with set screws in lieu of bolts.



Catalog #	Product Description	Material
38-7299-00	Cast Straight Splicers	Aluminum Hex
38-7299-10	Cast Straight Splicers	Brass Hex

Suitable for use with lightning protection cable range of approximately 29,000 to 212,000 circular mils.

UL LISTED CONDUCTOR SPLICERS

UL Listed Cast Tee Splicer

Cast tee cable splicer has bolt tension for connections with all main size conductors. UL listed

Catalog #	Product Description	Material
38-7492-00	Cast Tee Splicer	Aluminum
38-7492-10	Cast Tee Splicer	Bronze
38-7492-11	Cast Tee Splicer	Tinned



UL Listed Cross Run Splicer

Cast cross run cable splicer has 1-1/2" of contact with four bolt tension. For use with all full size cables. UL listed

Catalog #	Product Description	Material
38-7445-00	Cross Run Splicer	Aluminum
38-7445-10	Cross Run Splicer	Bronze
38-7445-11	Cross Run Splicer	Tinned



UL Listed Cast Bimetallic Splicer

UL Listed Cast Bimetallic Cable Splicers are designed for making connections between aluminum and copper cables in a straight line. Two-bolt tension on each cable for making a strong connection. Use with all main size conductors.

Catalog #	Product Description	Material
38-7346-00	Bimetallic Splicer - Cast	Aluminum to Copper



UL Listed Machined Bimetallic Splicer

Machined bimetallic cable splicer for making connections between aluminum and copper cables in a straight line. Used to make connections inside 1" PVC conduit. Use with all main size conductors. UL Listed

Catalog #	Product Description	Material
38-7346-10	Bimetallic Splicer - Machined	Aluminum to Copper



Suitable for use with lightning protection cable range of approximately 29,000 to 212,000 circular mils.

UL LIGHTNING PROTECTION PRODUCTS

UL LISTED CONDUCTOR SPLICERS

UL Listed Aluminum and Brass Cast Bimetallic 1-Bolt Parallel Splicer

Cast bimetallic cable splicer for making connections between Aluminum and Copper cables. Single bolt tension cap allows the cables to come from a variety of directions. Use with all main size conductors. Eliminates the use of an additional splicer. UL Listed



Catalog #	Product Description	Material
38-7764-00	Bimetallic Splicer - Cast	Aluminum to Brass

UL Listed Cable Disconnects

Cast cable disconnects are used for testing system continuity or ground resistance. Single bolt caps allow for easy disconnection. UL Listed



UL Listed Cable Disconnects

Catalog #	Product Description	Material
38-7530-10	Brass Cast Cable Disconnect	Brass
38-7530-00	Aluminum Cast Cable Disconnect	Aluminum

UL LISTED BONDING PLATES

UL Listed Cast Bonding Plate

Cast bonding plate with 3 square inches of contact. Bolt tension cap can be turned so cables can run horizontal or vertical. For use with all full size cables. UL listed.

Catalog #	Product Description	Material
38-7532-00	Cast Bonding Plate	Aluminum
38-7532-10	Cast Bonding Plate	Bronze
38-7532-11	Cast Bonding Plate	Tinned
38-7532-50	Cast Bonding Plate - Bimetallic	Alum/Brass



UL Listed Cast Bonding Plate

Cast bonding plate with 8 square inches of contact surface. Holes provided for 1/4" bolts or smaller screws. Bolt tension cap can be turned so cables can run any direction. For use with all full size cables. UL listed

Catalog #	Product Description	Material
38-7471-00	Cast Bonding Plate	Aluminum
38-7471-10	Cast Bonding Plate	Bronze
38-7471-11	Cast Bonding Plate	Tinned
38-7471-50	Cast Bonding Plate - Bimetallic	Alum/Brass



UL Listed Stamped Bonding Plate

Stamped bonding plate with 8 square inches of contact. Bolt tension cap provides maximum cable support. For use with all full size cables. UL listed

Catalog #	Product Description	Material
38-7533-00	Stamped Bonding Plate	Aluminum
38-7533-10	Stamped Bonding Plate	Bronze
38-7533-11	Stamped Bonding Plate	Tinned



UL LIGHTNING PROTECTION PRODUCTS

UL LISTED BONDING LUGS

UL Listed Cast Bonding Lug

Cast bonding lug with 3 square inches of contact surface. Available for bolt sizes #10 to 7/8" diameter. Anchor hole drilled in center. Bolt tension cap can turn so cable can be connected from any direction. For use with all full size cables. Specify bolt size when ordering. UL Listed



Catalog #	Product Description	Material
38-7535-00	1/4" Cast Bonding Lug	Aluminum
38-7535-01	3/8" Cast Bonding Lug	Aluminum
38-7535-02	1/2" Cast Bonding Lug	Aluminum
38-7535-10	1/4" Cast Bonding Lug	Bronze
38-7535-11	3/8" Cast Bonding Lug	Bronze
38-7535-12	1/2" Cast Bonding Lug	Bronze
38-7535-20	1/4" Cast Bonding Lug	Tinned
38-7535-21	3/8" Cast Bonding Lug	Tinned
38-7535-22	1/2" Cast Bonding Lug	Tinned
38-7535-50	1/4" Cast Bonding Lug - Bimetallic	Alum/Bronze
38-7535-51	3/8" Cast Bonding Lug - Bimetallic	Alum/Bronze
38-7535-52	1/2" Cast Bonding Lug - Bimetallic	Alum/Bronze

UL Listed Cast Bonding Lug

Cast bonding lug with 3 square inches of contact surface. Available for bolt sizes #10 to 1/2" diameter. Anchor hole drilled at top. Bolt tension cap can turn so cable can be connected from any direction. For use with all full size cables. Specify bolt size when ordering. UL Listed



Catalog #	Product Description	Material
38-7536-00	1/4" Cast Bonding Lug	Aluminum
38-7536-01	3/8" Cast Bonding Lug	Aluminum
38-7536-02	1/2" Cast Bonding Lug	Aluminum
38-7536-10	1/4" Cast Bonding Lug	Bronze
38-7536-11	3/8" Cast Bonding Lug	Bronze
38-7536-12	1/2" Cast Bonding Lug	Bronze
38-7536-20	1/4" Cast Bonding Lug	Tinned
38-7536-21	3/8" Cast Bonding Lug	Tinned
38-7536-22	1/2" Cast Bonding Lug	Tinned
38-7536-50	1/4" Cast Bonding Lug - Bimetallic	Alum/Bronze
38-7536-51	3/8" Cast Bonding Lug - Bimetallic	Alum/Bronze
38-7536-52	1/2" Cast Bonding Lug - Bimetallic	Alum/Bronze

UL LIGHTNING PROTECTION PRODUCTS

UL LISTED BONDING LUGS

UL Listed Secondary Cast Bonding Lug

Cast terminal bonding lug with 2 bolt tension on secondary wires. Lug can be secured with a screw, 1/4" drive-in anchor, or 1/4" bolt. For use with all secondary wires. UL listed

Catalog #	Product Description	Material
38-7540-00	Secondary Cast Bonding Lug	Aluminum
38-7540-10	Secondary Cast Bonding Lug	Bronze
38-7540-20	Secondary Cast Bonding Lug	Stainless Steel
38-7540-11	Secondary Cast Bonding Lug	Tinned



Section 7
UL Lightning Protection

UL LISTED BONDING CLAMPS

UL Listed C-Clamp Bonding Clamp

Cast bonding clamp has 8 square inches of surface contact. C-type clamp allows easy installation on I-beams or other flat areas up to 1" thickness. Bolt tension cap has 1-1/2" of cable contact. For use with all full size cables. UL Listed

Catalog #	Product Description	Material
38-7537-00	C-Clamp Bonding Clamp	Aluminum
38-7537-10	C-Clamp Bonding Clamp	Bronze
38-7537-11	C-Clamp Bonding Clamp	Tinned



UL Listed C-Clamp Bonding Clamp

Cast bonding clamp has 8 square inches of surface contact. C-type allows easy installation on I-beams or other flat areas up to 3" thickness. Bolt tension cap has 1-1/2" of cable contact. For use with all full size cables. UL listed

Catalog #	Product Description	Material
38-7538-00	C-Clamp Bonding Clamp	Aluminum
38-7538-10	C-Clamp Bonding Clamp	Bronze
38-7538-11	C-Clamp Bonding Clamp	Tinned



UL LIGHTNING PROTECTION PRODUCTS

UL LISTED BONDING CLAMPS

UL Listed Bonding Clamp

Cast bolt tension bonding clamp with 3 square inches of contact secures to i-beams, purlin flange, etc. For use with all full size cables and secondary wires. UL listed



Catalog #	Product Description	Material
38-7541-00	Bonding Clamp	Aluminum
38-7541-10	Bonding Clamp	Bronze
38-7541-11	Bonding Clamp	Tinned

UL Listed Bonding Clamp

Cast bolt tension bonding clamp secures to i-beams, purlin flange, etc. For use with all full size cables and secondary wires. For secondary bond only. UL listed



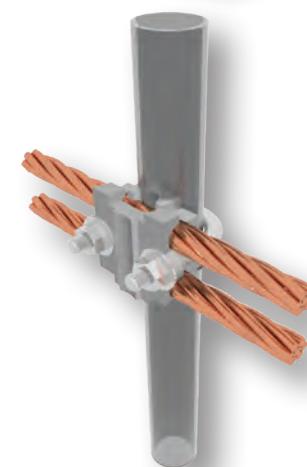
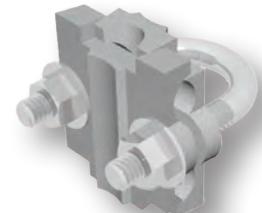
Catalog #	Product Description	Material
38-7542-00	Bonding Clamp	Aluminum
38-7542-10	Bonding Clamp	Bronze
38-7542-11	Bonding Clamp	Tinned

UL LISTED BONDING CLAMPS

UL Listed 1" U-Bolt Bonding Clamp

1" Cast U-Bolt Bonding Clamps for use with pipe or round bar sizes .400" to 1.315". Can be used with cable and wire sizes from #6 to 250 MCM. UL Listed.

Catalog Number	Material	Description
38-7420-00	Aluminum	1" U-Bolt Bonding Clamp - Fits .400" to 1.375" O.D. Pipe
38-7420-10	Bronze	1" U-Bolt Bonding Clamp - Fits .400" to 1.375" O.D. Pipe
38-7420-11	Tinned	1" U-Bolt Bonding Clamp - Fits .400" to 1.375" O.D. Pipe



Section 7
UL Lightning Protection

UL Listed 2"-8" U-Bolt Bonding Clamp

2"-8" Cast U-Bolt Bonding Clamps provide 1-1/2" of contact on pipe or cable. Use with all full size conductors. Fits pipe sizes 1.315" to 8.625". Used to bond any metal body including grade level water pipe. UL Listed.

Catalog Number	Material	Description
38-7421-00	Aluminum	2" U-Bolt Bonding Clamp - Fits 1.315" to 2.000" O.D. Pipe
38-7421-10	Bronze	2" U-Bolt Bonding Clamp - Fits 1.315" to 2.000" O.D. Pipe
38-7421-11	Tinned	2" U-Bolt Bonding Clamp - Fits 1.315" to 2.000" O.D. Pipe
38-7422-00	Aluminum	3" U-Bolt Bonding Clamp - Fits 1.900" to 3.000" O.D. Pipe
38-7422-10	Bronze	3" U-Bolt Bonding Clamp - Fits 1.900" to 3.000" O.D. Pipe
38-7422-11	Tinned	3" U-Bolt Bonding Clamp - Fits 1.900" to 3.000" O.D. Pipe
38-7423-00	Aluminum	4" U-Bolt Bonding Clamp - Fits 2.750" to 4.500" O.D. Pipe
38-7423-10	Bronze	4" U-Bolt Bonding Clamp - Fits 2.750" to 4.500" O.D. Pipe
38-7423-11	Tinned	4" U-Bolt Bonding Clamp - Fits 2.750" to 4.500" O.D. Pipe
38-7424-00	Aluminum	6" U-Bolt Bonding Clamp - Fits 4.500" to 6.750" O.D. Pipe
38-7424-10	Bronze	6" U-Bolt Bonding Clamp - Fits 4.500" to 6.750" O.D. Pipe
38-7424-11	Tinned	6" U-Bolt Bonding Clamp - Fits 4.500" to 6.750" O.D. Pipe
38-7711-00	Aluminum	8" U-Bolt Bonding Clamp - Fits 6.000" to 8.625" O.D. Pipe
38-7711-10	Bronze	8" U-Bolt Bonding Clamp - Fits 6.000" to 8.625" O.D. Pipe
38-7711-11	Tinned	8" U-Bolt Bonding Clamp - Fits 6.000" to 8.625" O.D. Pipe



Pipe Range 2" - 8"

UL LIGHTNING PROTECTION PRODUCTS

UL LISTED BONDING CLAMPS

UL Listed Secondary Bonding Clamp

Cast bolt tension secondary bonding lug for connections to VTR's (Vent Through Roof), roof drains, flashings, etc. For use with secondary wire. UL listed



Catalog #	Product Description	Material
38-7539-00	Secondary Bonding Clamp	Aluminum
38-7539-10	Secondary Bonding Clamp	Bronze
38-7539-11	Secondary Bonding Clamp	Tinned

UL Listed Ground Rod Clamp

Cast bronze ground rod clamp has 1 1/2" of contact and two bolt tension. UL listed



Catalog #	Product Description	Material
38-7461-00	Ground Rod Clamp for 1/2" Rod	Bronze
38-7461-02	Ground Rod Clamp for 5/8" to 3/4" Rod	Bronze

UL LISTED THRU ROD ASSEMBLIES & ACCESSORIES

UL Listed Thru Rod Assembly with Two Cable Connectors

Threaded 1/2" rod with parallel cable connectors on each end. Comes standard with 1/2" Neoprene washer for weatherproofing the outside terminal end. UL Listed.

UL Listed Thru Rod Assembly with One Cable Connector

Threaded rod furnished with a parallel cable connector and swivel air terminal adaptor. Comes standard with 1/2" Neoprene washer for weatherproofing the outside terminal end. UL Listed.

UL Listed Thru Rod Assembly with Two Cable Connectors

Catalog #	Product Description	Length	Material
38-7754-00	1/2" Rod Assembly	12"	Aluminum
38-7755-00	1/2" Rod Assembly	18"	Aluminum
38-7614-00	1/2" Rod Assembly	24"	Aluminum
38-7754-10	1/2" Rod Assembly	12"	Brass
38-7755-10	1/2" Rod Assembly	18"	Brass
38-7614-10	1/2" Rod Assembly	24"	Brass
38-7754-20	1/2" Rod Assembly	12"	Bimetallic
38-7755-20	1/2" Rod Assembly	18"	Bimetallic
38-7614-20	1/2" Rod Assembly	24"	Bimetallic

UL Listed Thru Rod Assembly with One Cable Connector

Catalog #	Product Description	Swivel Adapter Size	Material
38-7756-01	12" Thru Rod Assembly	1/2"	Aluminum
38-7757-01	18" Thru Rod Assembly	1/2"	Aluminum
38-7758-01	24" Thru Rod Assembly	1/2"	Aluminum
38-7756-02	12" Thru Rod Assembly	5/8"	Aluminum
38-7757-02	18" Thru Rod Assembly	5/8"	Aluminum
38-7758-02	24" Thru Rod Assembly	5/8"	Aluminum
38-7756-11	12" Thru Rod Assembly	1/2"	Brass
38-7757-11	18" Thru Rod Assembly	1/2"	Brass
38-7758-11	24" Thru Rod Assembly	1/2"	Brass
38-7756-12	12" Thru Rod Assembly	5/8"	Brass
38-7757-12	18" Thru Rod Assembly	5/8"	Brass
38-7758-12	24" Thru Rod Assembly	5/8"	Brass
38-7756-21	12" Thru Rod Assembly	1/2"	Bimetallic
38-7757-21	18" Thru Rod Assembly	1/2"	Bimetallic
38-7758-21	24" Thru Rod Assembly	1/2"	Bimetallic
38-7756-22	12" Thru Rod Assembly	5/8"	Bimetallic
38-7757-22	18" Thru Rod Assembly	5/8"	Bimetallic
38-7758-22	24" Thru Rod Assembly	5/8"	Bimetallic



**Thru Rod Assembly
with Two Cable
Connectors
(Bimetallic shown)**

**Thru Rod Assembly
with One Cable
Connectors
(Aluminum shown)**

UL LIGHTNING PROTECTION PRODUCTS

UL LISTED THRU ROD ASSEMBLIES & ACCESSORIES

UL Listed Thru Rod Assembly with PVC Cap

The thru rod assembly with PVC cap is designed with 1/2" threaded rod furnished with a parallel cable connector, conductor inside the conduit. The assembly fits over 1" conduit in order to form a water-tight connection to the connector inside the conduit. UL Listed.

Catalog #	Product Description	Material
38-7402-00	Thru Rod Assembly with 1" PVC Cap	Aluminum
38-7402-10	Thru Rod Assembly with 1" PVC Cap	Brass
38-7402-20	Thru Rod Assembly with 1" PVC Cap	Bimetallic



PVC Protector Pipe

PVC protector pipe for use where cable are subject to displacement or damage. Schedule 40 and sunlight resistant.



Catalog #	Product Description
38-7647-04	PVC Protector Pipe 3/4" x 4'
38-7647-10	PVC Protector Pipe 3/4" x 10'
38-7648-10	PVC Protector Pipe 1" x 10'

UL Listed Protector Pipe Strap

Galvanized EMT 1-hole strap. Used to secure protector pipes. Fits pipe up to 1" i.d. UL Listed



Catalog #	Product Description	Material
38-7646-01	1-Hole Strap for 1" Schedule 40 PVC	Galvanized

UL LIGHTNING PROTECTION PRODUCTS

UL LISTED FASTENERS

UL Listed Loop Fastener

1/2" wide loop – secure with a single nail or screw. For use with all main conductors. UL Listed

Catalog #	Product Description	Material
38-7544-00	1/2" Loop Fastener	Aluminum
38-7544-10	1/2" Loop Fastener	Copper
38-7544-11	1/2" Loop Fastener	Tinned



UL Listed Loop Fastener

5/8" wide loop – secure with a single nail, screw, 1/4" bolt, or 1/4" drive-in anchor. For use with all main conductors. UL Listed

Catalog #	Product Description	Material
38-7446-00	5/8" Loop Fastener with 1/4" holes	Aluminum
38-7446-01	5/8" Loop Fastener with 3/8" holes	Aluminum
38-7446-10	5/8" Loop Fastener with 1/4" holes	Copper
38-7446-11	5/8" Loop Fastener with 3/8" holes	Copper
38-7446-20	5/8" Loop Fastener with 1/4" holes	Tinned
38-7446-21	5/8" Loop Fastener with 3/8" holes	Tinned



UL Listed Stamped Adhesive Cable Clip

Stamped adhesive cable clip with three compression type fingers to hold the cable securely to the roof. Middle finger stamped so the adhesive does not interfere with the anchoring process. For use with all main size cables and secondary bonding wires. UL Listed.

Catalog #	Product Description	Material
38-7549-00	Stamped Finger Bonding Plate	Aluminum
38-7549-10	Stamped Finger Bonding Plate	Brass
38-7549-20	Stamped Finger Bonding Plate	Copper
38-7549-11	Stamped Finger Bonding Plate	Tinned



UL Listed Class II Cast Adhesive Cable Holder

Our cast adhesive cable holder is designed with a bolt tension cable clip. It is designed for use with all #6 to 4/0 AWG full and secondary cable sizes. UL Listed.

Catalog #	Product Description	Material
38-7632-00	Cast Adhesive Cable Holder	Aluminum
38-7632-10	Cast Adhesive Cable Holder	Bronze
38-7632-11	Cast Adhesive Cable Holder	Tinned



LIGHTNING PROTECTION STRUCTURAL ADHESIVE

M-1 Structural Adhesive/Sealant

M-1 Structural Adhesive/Sealant-10.1 oz. tube is available in 3 colors; Aluminum Gray, Black and White.

Catalog #	Product Description	Color
38-7547-00	M-1 Structural Adhesive/Sealant 10.1 oz.	Aluminum/Gray
38-7547-01	M-1 Structural Adhesive/Sealant 10.1 oz.	White
38-7547-02	M-1 Structural Adhesive/Sealant 10.1 oz.	Black



GROUND ACCESS WELLS

PVC Ground Access Well

PVC Ground Access Wells are available in 10" or 12" diameter. Galvanized Steel lid included with "Ground" tag on lid.



UL Listed Ground Well

Catalog #	Product Description	Material
38-7804-01	PVC Ground Well w/Galvanized Lid - 10"x 12", Schedule 40	PVC/Steel
38-7804-11	PVC Ground Well w/Galvanized Lid - 12"x 12", Schedule 40	PVC/Steel
38-7804-02	PVC Ground Well w/Galvanized Lid - 10"x 18", Schedule 40	PVC/Steel
38-7804-12	PVC Ground Well w/Galvanized Lid - 12"x 18", Schedule 40	PVC/Steel
38-7804-00	PVC Ground Well w/Galvanized Lid - 10"x 24", Schedule 40	PVC/Steel
38-7804-10	PVC Ground Well w/Galvanized Lid - 12"x 24, Schedule 40	PVC/Steel
38-7804-03	PVC Ground Well w/Galvanized Lid - 10"x 36", Schedule 40	PVC/Steel
38-7804-13	PVC Ground Well w/Galvanized Lid - 12"x 36", Schedule 40	PVC/Steel

Section 8

Grounding Products

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Section 8
Grounding Products

GROUNDING PRODUCTS

GROUND RODS



Listed

Copper Bonded Ground Rods

Manufactured from high tensile low carbon steel by molecularly bonding 99.9% pure electrolytic copper. These ground rods are UL-467 listed and have a minimum copper thickness of 10 mils.

Copper Bonded Ground Rods			
Catalog #	Rod Dia	Length	Copper Thickness
38-4635-01	5/8"	8'	10 mils
38-4635-00	5/8"	10'	10 mils
38-4635-03	3/4"	8'	10 mils
38-4635-04	3/4"	10'	10 mils

Other sizes available upon request



Listed

Sectional Copper Bonded Ground Rods

Manufactured from high tensile low carbon steel by molecularly bonding 99.9% pure electrolytic copper. These ground rods are UL-467 listed and have a minimum copper thickness of 10 mils. The rods are threaded by rolling threading process.

Copper Bonded Ground Rods				
Catalog #	Rod Dia (in)	Length (ft)	Thread Dia	Copper Thickness
38-4635-71	5/8"	8'	5/8"	10 mils
38-4635-21	5/8"	10'	5/8"	10 mils
38-4635-23	3/4"	8'	3/4"	10 mils
38-4635-24	3/4"	10'	3/4"	10 mils

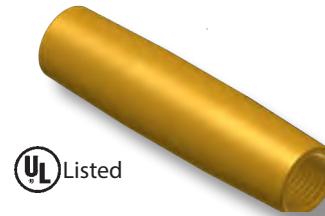
Other sizes available upon request

GROUND ROD ACCESSORIES

Threaded Coupling

Threaded couplings are made of high grade material for higher strength with counter bores for protecting the rod threads from damage.

Threaded Coupling, Bronze	
Catalog #	Rod Dia
38-6313-02	5/8"
38-6313-04	3/4"



UL Listed

Compression Coupling

Compression couplings are made of high grade material for higher strength.

Compression Coupling, Bronze	
Catalog #	Rod Dia
38-6313-09	5/8"
38-6313-08	3/4"



UL Listed

Driving Stud for Threaded Coupling

Suitable for both manual and power hammering. Can be reused.

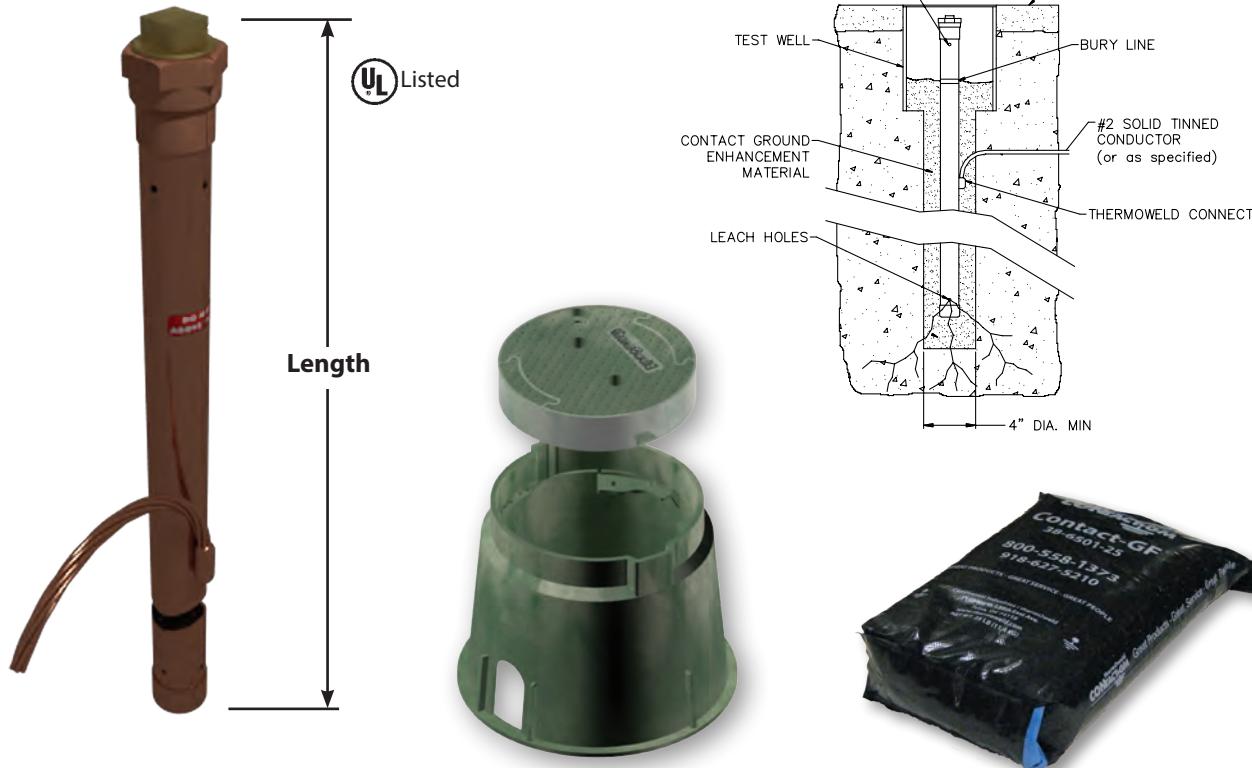
Driving Stud	
Catalog #	Thread Dia
38-6607-03	5/8"
38-6607-04	3/4"



GROUNDING PRODUCTS

UL LISTED CHEMICAL GROUND ROD KITS VERTICAL

Section 8
Grounding Products



Catalog Number	Length	Inspection Well	Contact GF 25# Bag	Pigtail
38-6050-01	5'	No	~	5' - 4/0 STR
38-6050-31	5'	Yes	2	5' - 4/0 STR
38-6050-02	10'	No	~	5' - #2 SOL (Tinned)
38-6050-32	10'	Yes	4	5' - #2 SOL (Tinned)
38-6050-03	10'	No	~	5' - 2/0 STR
38-6050-33	10'	Yes	4	5' - 2/0 STR
38-6050-04	10'	No	~	5' - 4/0 STR
38-6050-34	10'	Yes	4	5' - 4/0 STR
38-6050-05	20'	No	~	5' - #2 SOL (Tinned)
38-6050-35	20'	Yes	8	5' - #2 SOL (Tinned)
38-6050-06	20'	No	~	5' - 2/0 STR
38-6050-36	20'	Yes	8	5' - 2/0 STR
38-6050-07	20'	No	~	5' - 4/0 STR
38-6050-37	20'	Yes	8	5' - 4/0 STR

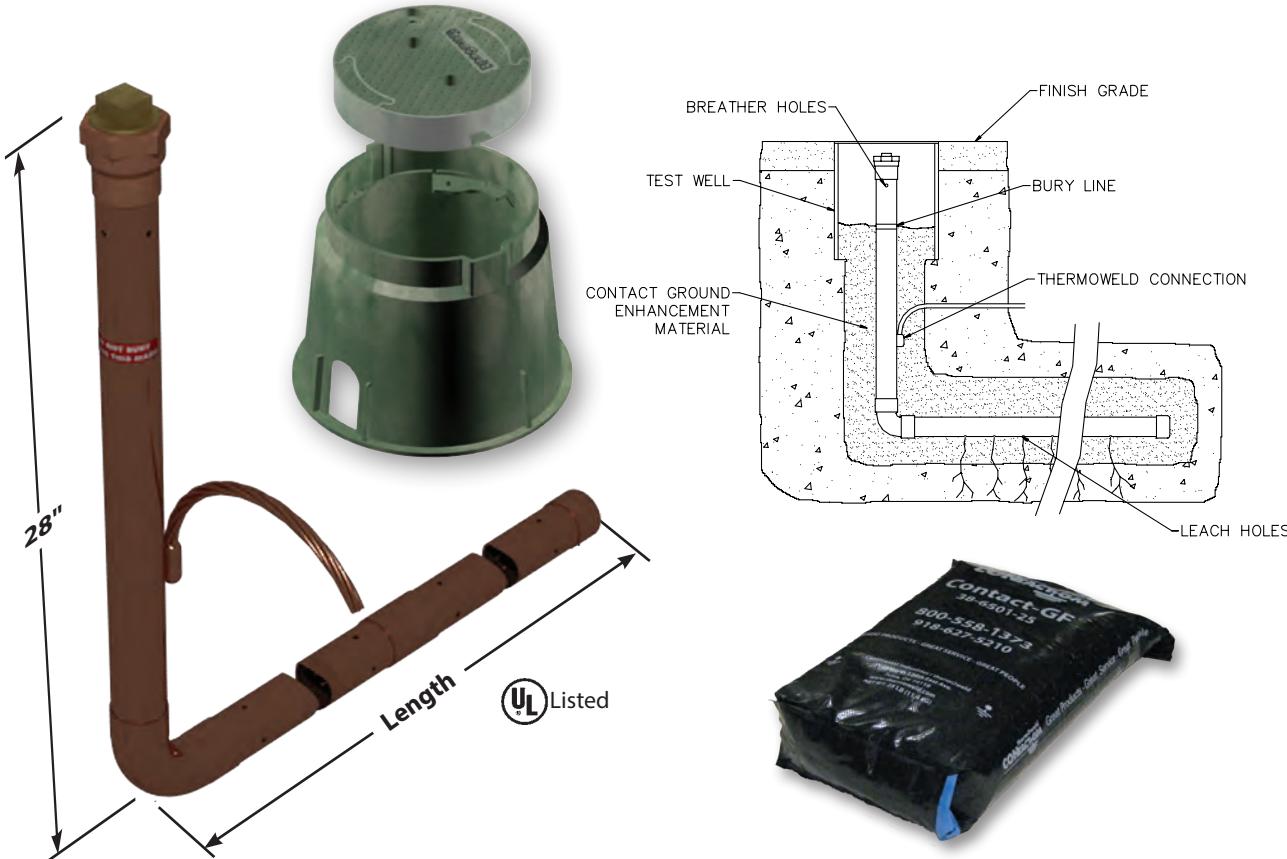
- Other sizes and conductor types available. Contact the factory for details.

APPLICATION NOTES:

- Supplied Pre-Filled.
- Chemical Ground Rods are used in high resistivity soil conditions and when low resistance ground electrode systems are critical.
- Conductor is welded 18" down from the top.
- Outside diameter of copper tube is 2-1/8".

UL LISTED CHEMICAL GROUND ROD KITS

HORIZONTAL L-SHAPED



Section 8
Grounding Products

Catalog Number	Length	Inspection Well	Contact GF 25# Bag	Pigtail
38-6051-02	2' X 10'	No	~	5' - #2 SOL (Tinned)
38-6051-32	2' X 10'	Yes	4	5' - #2 SOL (Tinned)
38-6051-03	2' X 10'	No	~	5' - 2/0 STR
38-6051-33	2' X 10'	Yes	4	5' - 2/0 STR
38-6051-04	2' X 10'	No	~	5' - 4/0 STR
38-6051-34	2' X 10'	Yes	4	5' - 4/0 STR
38-6051-05	2' X 20'	No	~	5' - #2 SOL (Tinned)
38-6051-35	2' X 20'	Yes	8	5' - #2 SOL (Tinned)
38-6051-06	2 X 20'	No	~	5' - 2/0 STR
38-6051-36	2' X 20'	Yes	8	5' - 2/0 STR
38-6051-07	2' X 20'	No	~	5' - 4/0 STR
38-6051-37	2' X 20'	Yes	8	5' - 4/0 STR

- Other sizes and conductor types available. Contact the factory for details.

APPLICATION NOTES:

- Supplied Pre-Filled.
- Chemical Ground Rods are used in high resistivity soil conditions and when low resistance ground electrode systems are critical.
- L-shaped Chemical ground rods are used when proper depth cannot be achieved due to physical conditions such as bedrock.
- Conductor is welded 18" down from the top.
- Outside diameter of copper tube is 2-1/8".

GROUNDING PRODUCTS



CONTACT-GM

CONTACT-GF

thermOweld® CONTACT-GF is an economical solution for areas with very difficult grounding issues.

CONTACT-GF is highly conductive in a wet or dry application and does not require moisture to lower the resistance of your grounding system.

CONTACT-GF contains a corrosion inhibitor which forms a film on copper creating a barrier against corrosion.

CONTACT-GF can be poured in dry or pumped in slurry form. No tamping required. It is very contractor friendly. No special tools required.

Type	Part #
CONTACT - GF 25lb	38-6501-25
CONTACT - GF 50lb	38-6501-50

CONTACT-GF Advantages:

- Easy to install
- Electrically Conductive
- Environmentally Friendly
- Will not leach into the ground
- Positive low resistance, electrical connection to earth
- Does not contain any hazardous chemicals
- Compatible with all copper grounding systems
- Contains a corrosion inhibitor to protect copper
- Will not expand or shrink
- Not affected by freezing
- Excellent shelf life
- Typical resistivity <10 Ohm-cm



CONTACT-GF Material Required Per Linear Foot of Trench

DEPTH of CONTACT-GF (Inches)	WIDTH OF TRENCH (Inches)										
	4	6	8	10	12	14	16	18	20	22	24
2	4.1	6.2	8.1	10.1	12.1	14.1	16.2	18.2	20.2	22.2	24.2
3	6.2	9.3	12.1	15.2	18.2	21.2	24.2	27.3	30.3	33.3	36.4
4	8.2	12.3	16.2	20.2	24.2	28.3	32.3	36.4	40.4	44.5	48.5
5	10.3	15.4	20.2	25.3	30.3	35.4	40.4	45.5	50.5	55.6	60.6
6	12.3	18.5	24.2	30.3	36.4	42.4	48.5	54.6	60.6	66.7	72.7
7	14.4	21.6	28.3	35.4	42.4	49.5	56.6	63.7	70.7	77.8	84.9
8	16.4	24.7	32.3	40.4	48.5	56.0	64.7	72.7	80.8	88.9	97.0
9	18.5	27.8	36.4	45.5	54.6	63.7	72.7	81.8	90.9	100.0	109.1
10	20.6	30.8	40.4	50.5	60.6	70.7	80.8	90.9	101.0	111.1	121.2

To calculate the lbs of material required to fill a trench

1. Determine desired thickness
2. Move to the right until you are under the known width of the trench. This number will be the weight of the material lbs/linear ft.
3. Take this number and multiply by the length of the trench in feet. Your answer will be the amount of **CONTACT-GF** material required to fill the trench to the desired level in lbs.

Example:

Depth of CONTACT-GF	=	6 inches
Width of trench	=	18 inches
Length of trench	=	25 ft.
Answer	=	1,365 lbs of CONTACT-GF

1,365 lbs. = 54.6 lbs* per linear ft or 28 (50 lb) bags of **CONTACT-GF**

* From chart above.

CONTACT-GM

CONTACT-GS

Certain applications require a permanent hardening grounding material. thermOweld® **CONTACT-GS** is the product of choice.

CONTACT-GS is compatible with all standard copper grounding systems. It is an economical solution to difficult grounding issues in hard to deal with areas.

CONTACT-GS is manufactured from environmentally safe material and is extremely stable when mixed with water or exposed to moisture.

CONTACT-GS attains the hardening characteristics of cement while retaining its highly conductive properties.

CONTACT-GS will remain highly conductive during a drought or when exposed to extremely low temperature.

Since **CONTACT-GS** does not have any shrinkage or expansion properties it will remain in constant **CONTACT** with the earth.

CONTACT-GS can be poured in dry or pumped in slurry form. No tamping required. It is very contractor friendly. No special tools required.



CONTACT-GS Advantages:

- Easy to install
- Will attain a hardened state
- Electrically Conductive
- Environmentally Friendly
- Will not leech into the ground
- Positive low resistance, electrical connection to earth
- Does not contain any hazardous chemicals
- Compatible with all copper grounding systems
- Will not expand or shrink
- Not affected by freezing
- Excellent shelf life
- Typical resistivity <10 Ohm-cm



CONTACT-GS Material Required Per Linear Foot of Trench

DEPTH of CONTACT-GS (Inches)	Width of Trench (Inches)										
	4	6	8	10	12	14	16	18	20	22	24
2	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0	19.7	21.5
3	5.4	8.1	10.8	13.5	16.2	18.8	21.5	24.2	26.9	29.6	32.3
4	7.2	10.8	14.4	18.0	21.5	25.1	28.7	32.3	35.9	39.5	43.1
5	9.0	13.5	18.0	22.4	26.9	31.4	35.9	40.4	44.9	49.4	53.9
6	10.8	16.3	21.5	26.9	32.3	37.7	43.1	48.5	53.9	59.2	64.6
7	12.6	19.0	25.1	31.4	37.7	44.0	50.3	56.5	62.8	69.1	75.4
8	14.4	21.7	28.7	35.9	43.1	50.3	57.4	64.6	71.8	79	86.2
9	16.3	24.4	32.3	40.4	48.5	56.5	64.6	72.7	80.8	88.9	96.9
10	18.1	27.1	35.9	44.9	53.9	62.8	71.8	80.8	89.8	98.7	107.7

To calculate the lbs of material required to-fill a trench

1. Determine desired thickness
2. Move to the right until you are under the known width of the trench. This number will be the weight of the material lbs/linear ft.
3. Take this number and multiply by the length of the trench in feet. Your answer will be the amount of **CONTACT-GS** material required to fill the trench to the desired level in lbs.

Example:

Depth of CONTACT-GS	=	6 inches
Width of trench	=	18 inches
Length of trench	=	25 ft.
Answer	=	1,212 lbs of CONTACT-GS

1,212 lbs. = 48.5 lbs* per linear ft. or 24 (50 lb) bags of **CONTACT-GF**

* From chart above.

GROUNDING PRODUCTS

GROUND ACCESS WELLS

Light Duty Ground Access Well

Catalog Number	Diameter (in)	Length (in)	Cover Type
PE6AHDH00L74	6	9	HDPE
PE9AHDH00L74	9	10	HDPE
PE10AHDH00L74	10	18.875	HDPE
PE10UPH00009	10	18.25	Steel
38-8130-02	10	19	Steel with Steel/PC Ring



Access Well with Cast Iron Cover

Catalog Number	Diameter	Length	Cover Type
38-6344-12*	12"	12"	Cast Iron
38-6343-36	10"	36"	Cast Iron
38-6343-42	10"	42"	Cast Iron

- Schedule 80 PVC well.
- Four 27" slots allow for ground electrode connections to be made before installation of test well. * No Slots
- Cast iron cover fits into cast iron ring for extra support.



Heavy Duty Well with Cast Iron Cover

Catalog Number	Diameter	Length	Cover Type
38-6344-18	12"	18"	Cast Iron
38-6344-24	12"	24"	Cast Iron
38-6344-30	12"	30"	Cast Iron
38-6344-36	12"	36"	Cast Iron

- 12" diameter Schedule 80 PVC well.
- Cast iron cover fits into cast iron ring for extra support.
- Tier 22: Driveway, Parking lot, and off-roadway applications subject to occasional non deliberate heavy vehicular traffic.



Contact thermOweld for other options

APPLICATION NOTES:

- Provides ready access to ground electrode for testing and inspection purposes.
- To prevent displacement by frost, the access well must be longer than the frost line is deep.

GROUND ACCESS WELLS

thermOweld® polymer concrete enclosures meet or exceed the test provisions of ANSI/SCTE 77 2013.

Testing requirements for ANSI/SCTE 77 2013 are:

- Three-Position Load testing to simulate actual application performance
- UV Degradation per ASTM G-154
- Fire Resistance per RUS 7CFR 1755.919 (PE-91)
- Chemical Resistance per ASTM D-543
- Water Absorption per ASTM D-570
- Impact Resistance per ASTM D2444
- Accelerated Service per ASTM D-756, procedure E

Stackable Access Wells

Stackable access wells are designed so they can be stacked to increase the well depth. Used for a variety of purposes, such as a splice box, pull box, equipment enclosure, or for any application requiring easy access to an underground service. The straight sides allow for easy adjustment of the box should the grade level change.

Rectangular Stackable Access Well

Catalog Number	Width	Length	Depth	Cover Type	Tier
38-8175-00	13"	24"	18"	Polymer Concrete	15
38-8171-00	13"	24"	12"	Polymer Concrete	15

Other sizes and tiers available upon request.

Tier 15: Driveway, parking lot, and off-roadway applications subject to occasional non-deliberate heavy vehicular traffic.



Square Stackable Access Well

Catalog Number	Width	Length	Depth	Cover Type	Tier
38-8131-00	8"	8"	12"	Polymer Concrete	15
38-8132-00	8"	8"	18"	Polymer Concrete	15
38-8145-00	12"	12"	12"	Polymer Concrete	15
38-8147-00	12"	12"	24"	Polymer Concrete	15

Other sizes and tiers available upon request.

Tier 15: Driveway, parking lot, and off-roadway applications subject to occasional non-deliberate heavy vehicular traffic.



GROUNDING PRODUCTS

GROUND ACCESS WELLS

Nestable Access Wells

Nestable access wells are designed for compact storage and are excellent for service box assemblies and offer flared design to prevent frost heave.



Nestable Access Well

Catalog Number	Width	Length	Depth	Cover Type	Tier
38-8166-00	12"	12"	24"	Polymer Concrete	15

Other sizes and tiers available upon request.

Tier 15: Driveway, parking lot, and off-roadway applications subject to occasional non-deliberate heavy vehicular traffic.

Cylindrical Access Wells

Cylindrical access wells prevent the enclosure cover from falling into the box.



Cylindrical Access Well

Catalog Number	Diameter	Depth	Cover Type	Tier
38-8185-00	27"	36"	Polymer Concrete	8

Other sizes and tiers available upon request.

Tier 8: Sidewalk applications with a safety factor for non-deliberate vehicular traffic.

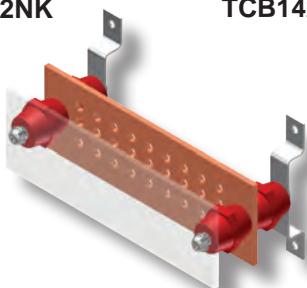
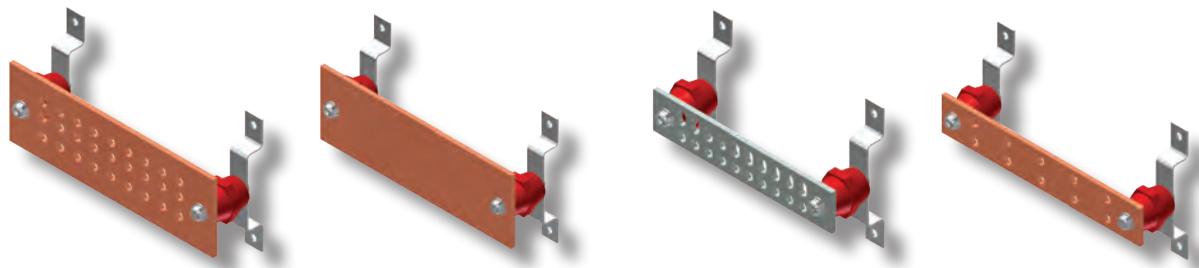
GROUNDING PRODUCTS

BUS BARS/GROUND BARS

Series CB, TCB and SSB

Proper bonding is essential to create an isopotential plane between service grounds and equipment during fault and transient conditions. This isopotential plane provides a near zero voltage differential and serves to protect people and equipment during these events. The most popular bonding product in use today is the ground bar or bonding bar.

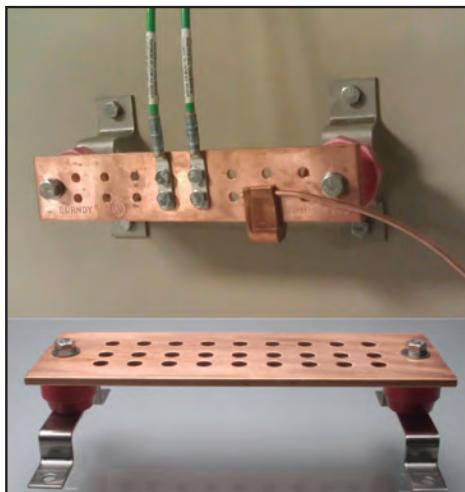
thermOweld® ground bars and bus bars are UL approved and produced on our state-of-the-art automated production line to give you thermOweld's famous rapid shipment and excellent quality. Virtually endless sizes and configurations, hole and slot patterns, unplated copper or tin plated, as well as stainless steel and other options with and without brackets and insulators. Customers worldwide are taking advantage of thermOweld's ground bars for a wide range of applications and unique requirements, from telecom sites to energy facilities. Please contact us with your specific needs!



CB14412JP:
Ground Bar with Plexiglas Cover



Section 8
Grounding Products

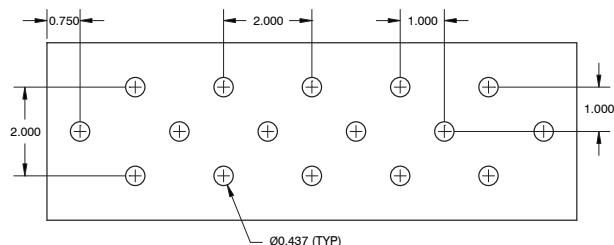


Call Today Ship Today!
Same Day Service
GROUND BARS BUS BARS

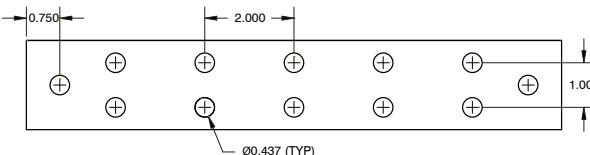
Catalog Number	Hole Pattern	Tinned	Bar Size	# of Holes
CB14412JK	Pattern J w/ Insulators & Brackets	No	1/4" X 4" X 12"	27
CB14412M	Pattern M	No	1/4" X 4" X 12"	48
CB14412MK	Pattern M w/ Insulators & Brackets	No	1/4" X 4" X 12"	48
CB14210P	Pattern P	No	1/4" X 2" X 10"	26
CB14210PK	Pattern P w/ Insulators & Brackets	No	1/4" X 2" X 10"	26
CB14212P	Pattern P	No	1/4" X 2" X 12"	26
CB14212PK	Pattern P w/ Insulators & Brackets	No	1/4" X 2" X 12"	26

GROUNDING PRODUCTS

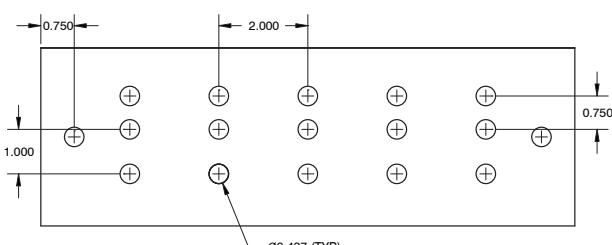
GROUND BAR HOLE PATTERNS



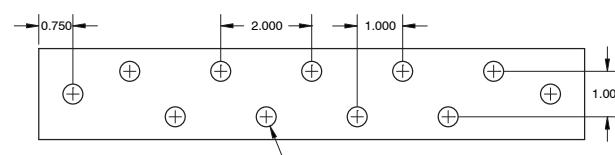
Pattern A



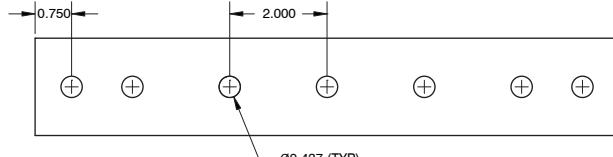
Pattern B



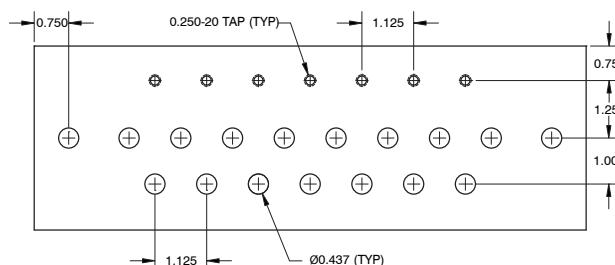
Pattern C



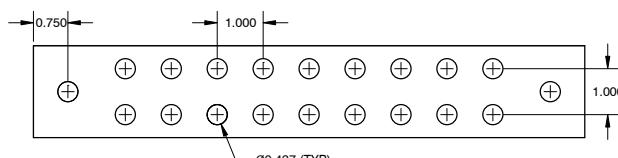
Pattern D



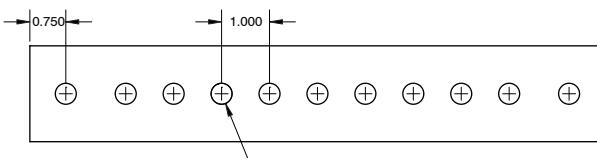
Pattern E



Pattern F



Pattern G



Pattern H

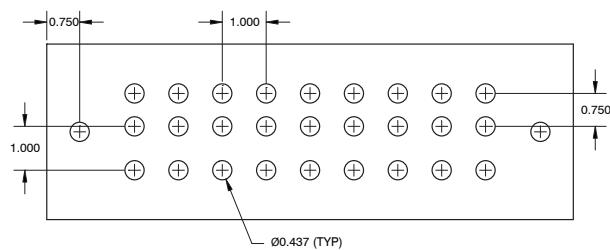
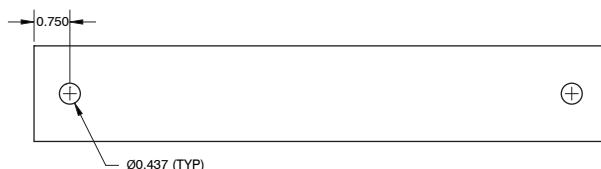
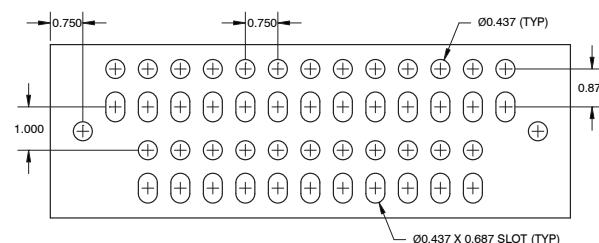
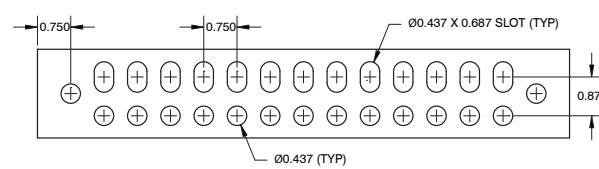
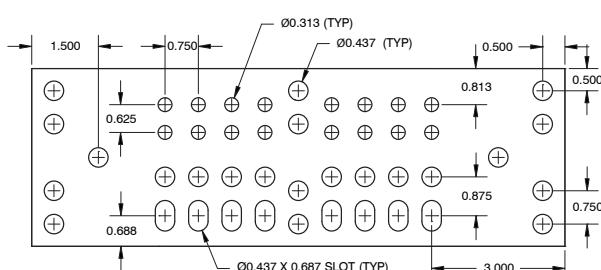
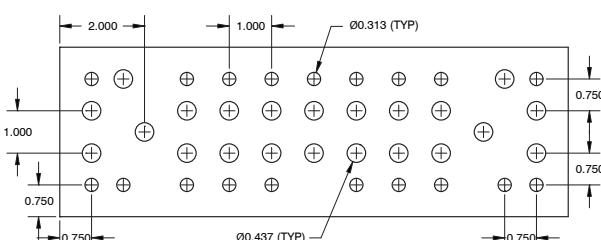
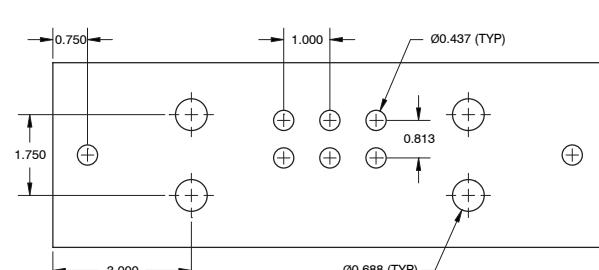
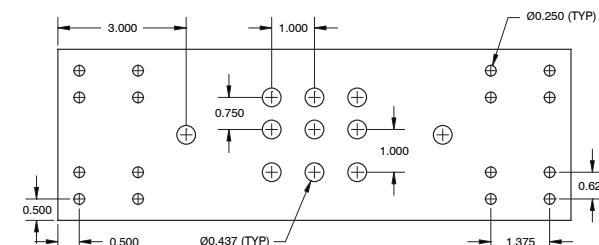
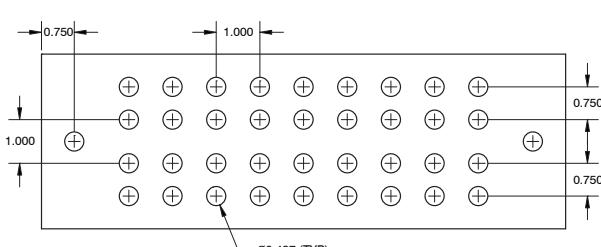
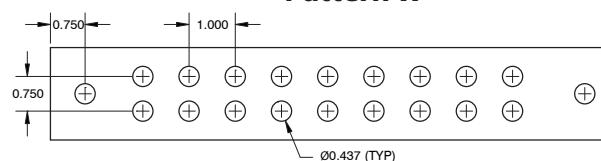
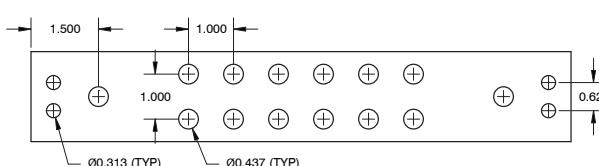
NOTES:

- All holes are 7/16" unless specified differently. To order threaded holes, specify hole size. The standard tapped hole size is 1/4-20 unless specified differently.
- Above bar patterns represent a 12" ground bar.
- All bars are available with electro-tin plating.

Visit www.thermoweld.com for training videos

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GROUND BAR HOLE PATTERNS

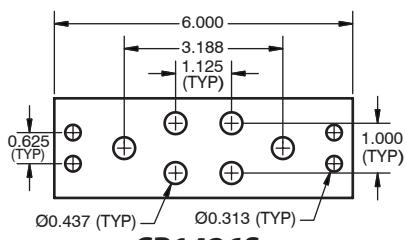
**Pattern J****Pattern N****Pattern M****Pattern P****Pattern Q****Pattern T****Pattern R****Pattern V****Pattern W****Pattern Z****Pattern X**

NOTE: For telecom ground bar reference
Telecom Ground Bar Hole Pattern S 2"
Bars and Pattern S 4" Bars on next pages.

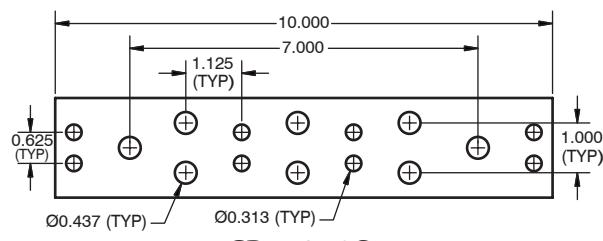
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GROUNDING PRODUCTS

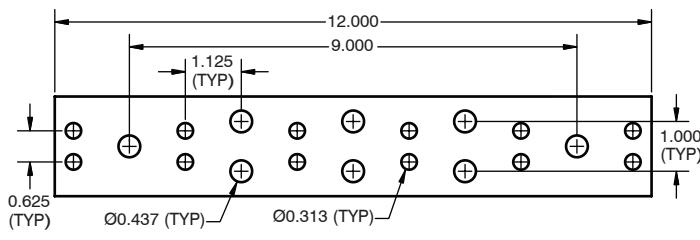
TELECOM GROUND BAR HOLE PATTERN S 2" BARS



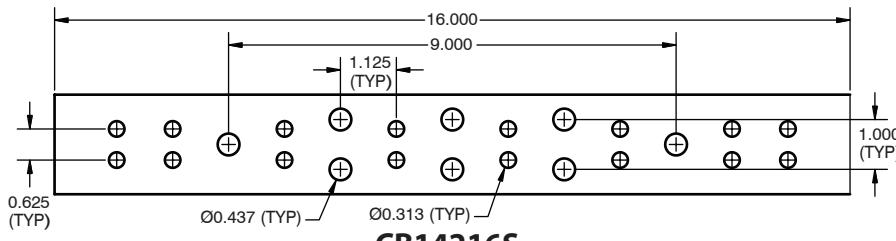
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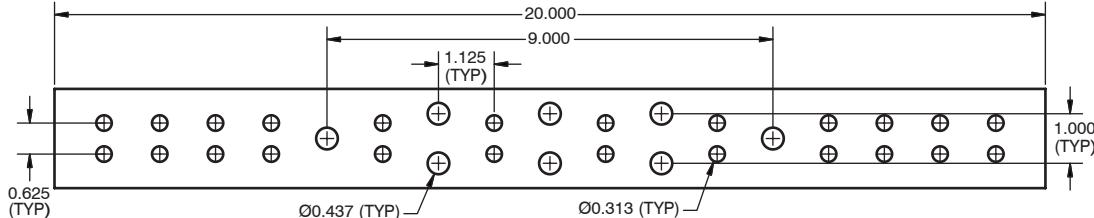
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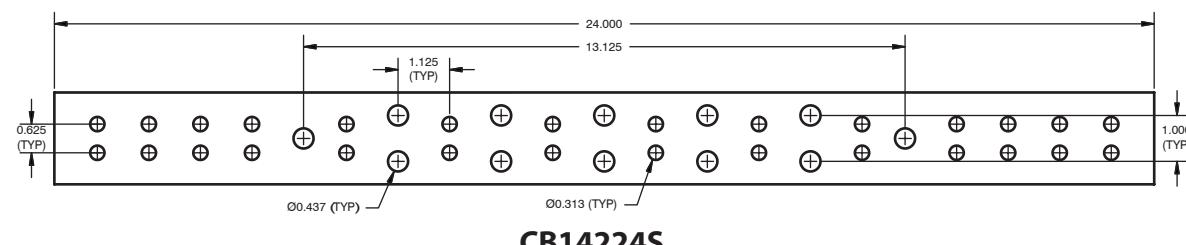
CB14212S



CB14216S

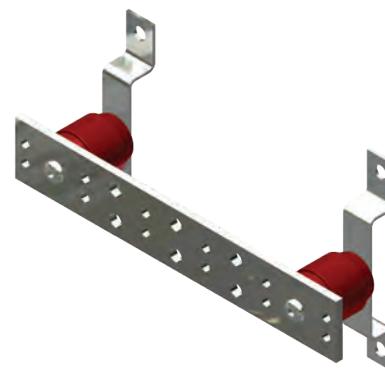


CB14220S



CB14224S

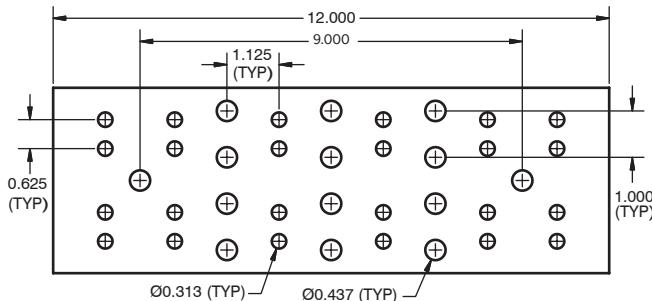
Catalog number shown is for the bar only if a kit is needed add a K to the end of the catalog number.



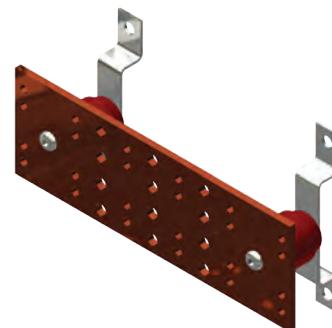
TCB14212SK

TELECOM GROUND BAR HOLE PATTERN S 4" BARS

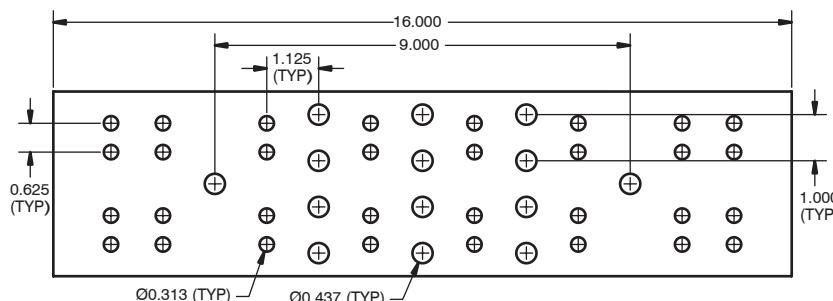
Catalog number shown is for the bar only if a kit is needed add a K to the end of the catalog number.



CB14412S

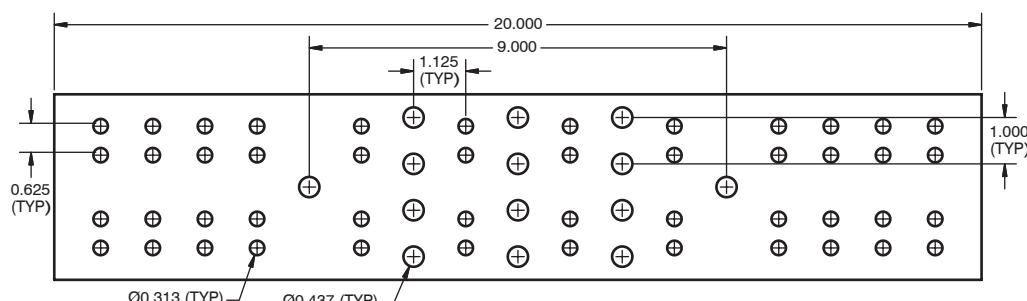


CB14412SK

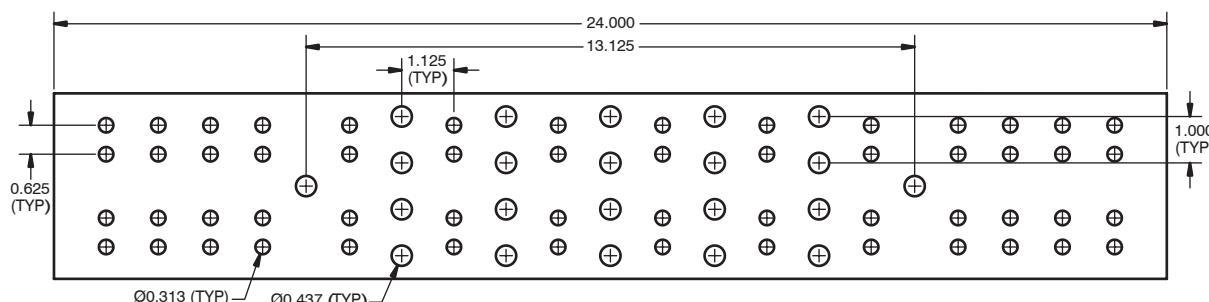


CB14416S

Section 8
Grounding Products



CB14420S



CB14424S

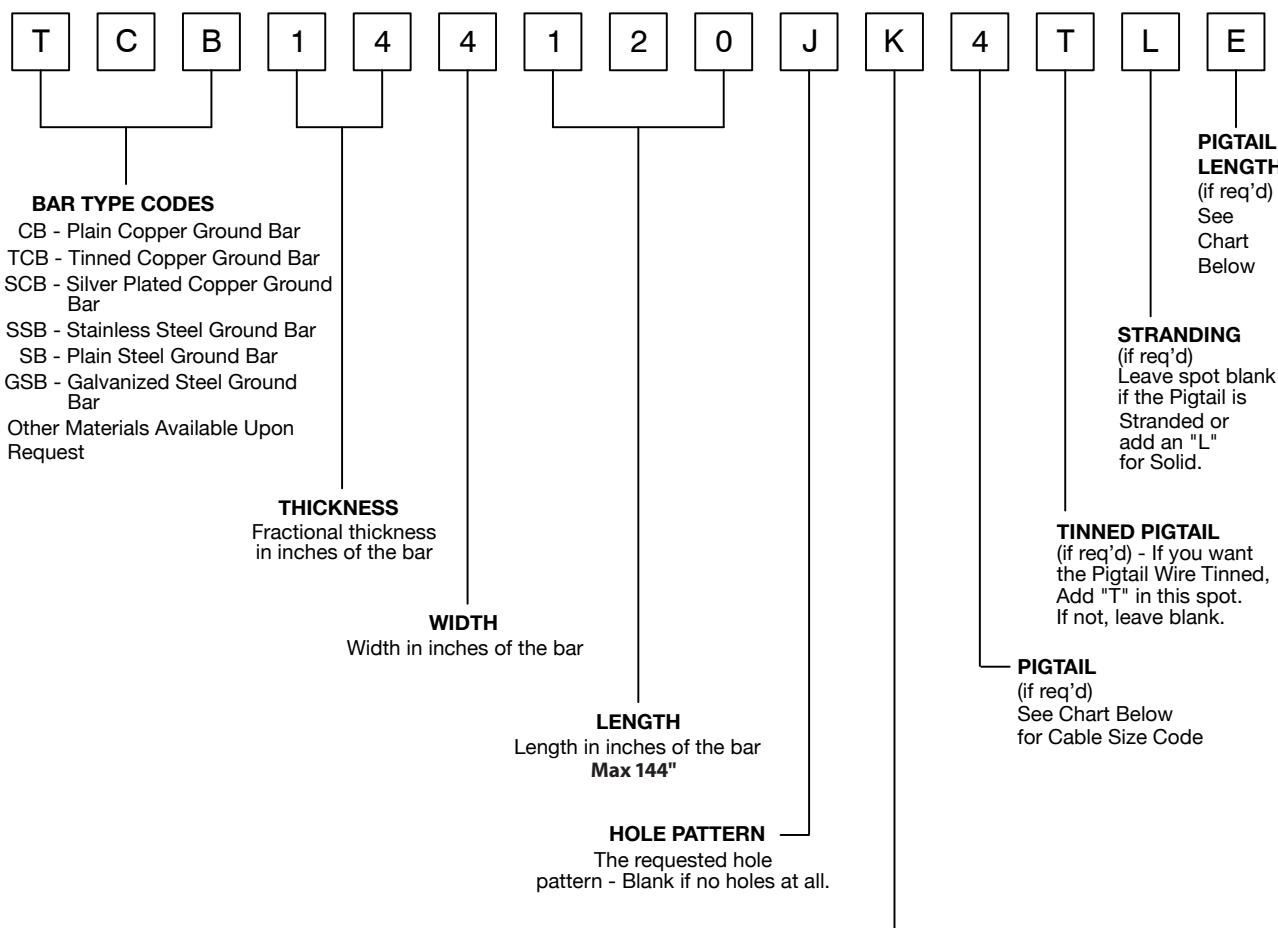
Visit www.thermoweld.com for training videos

GROUNDING PRODUCTS

GROUND BARS

GROUND BAR NUMBERING SYSTEM

Below is a guide on how to understand thermOweld's ground bar numbering system. Each digit of the catalog number represents specific details of our ground bars. Please note that other sizes are available. Contact thermOweld for details.



Pigtail Cable Size Chart

Pigtail No.	Size
1	#6
2	#4
3	250 mcm
4	#2
5	#1
6	1/0
7	2/0
8	500 mcm
9	4/0

Pigtail Cable Length Chart

Pigtail Length	Length in Feet*
A	2'
B	5'
C	10'
D	15'
E	20'
F	25'
G	30'
H	35'

*Custom lengths available upon request, contact thermOweld for details.

ASSEMBLY TYPE CODES

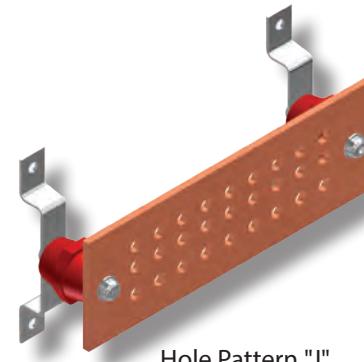
- K = Brackets & Insulators
- B = Brackets Only
- I = Insulators Only
- C = Beam Clamps & Insulators
- A = Brackets & Insulators with Anti-Theft Bolts
- P = Plexiglass Cover (Includes Brackets & Insulators)
- T = TMGB (Telecom Main Ground Bar) Plexiglass Cover (Includes Brackets & Insulators)
- M = MGB (Main Ground Bar) Plexiglass Cover (Includes Brackets & Insulators)
- U = Universal (Includes Brackets, Insulators, Beam Clamps & Drive-In Anchors)
- Blank for Nothing (no Brackets or Insulators- Bar Only)

GROUNDING PRODUCTS

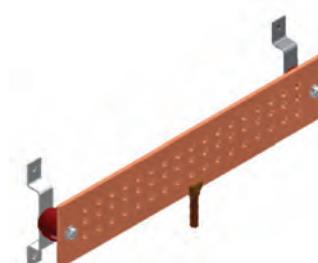
GROUND BARS

Pattern "J"				
Catalog Number	Kit	Tinned	Bar Size	# of Holes
CB14412J	Bar Only	No	1/4" X 4" X 12"	27
TCB14412J		Yes	1/4" X 4" X 12"	27
CB14412JK	Bar w/ Insulators & Brackets	No	1/4" X 4" X 12"	27
TCB14412JK		Yes	1/4" X 4" X 12"	27
CB14420J	Bar Only	No	1/4" X 4" X 20"	51
TCB14420J		Yes	1/4" X 4" X 20"	51
CB14420JK	Bar w/ Insulators & Brackets	No	1/4" X 4" X 20"	51
TCB14420JK		Yes	1/4" X 4" X 20"	51
CB14424J	Bar Only	No	1/4" X 4" X 24"	63
TCB14424J		Yes	1/4" X 4" X 24"	63
CB14424JK	Bar w/ Insulators & Brackets	No	1/4" X 4" X 24"	63
TCB14424JK		Yes	1/4" X 4" X 24"	63

- Mounting holes not included in total.
- Accommodates two hole lugs spaced 3/4", 1" and 1-3/4" on center.
- 12" bar pictured. Holes are 7/16" diameter.
- Bars available electro-tin plated.
- Bars available with pigtailed.
- Tamper proof bolts available.
- Plexiglas cover available.
- Other sizes available. Contact factory for details.



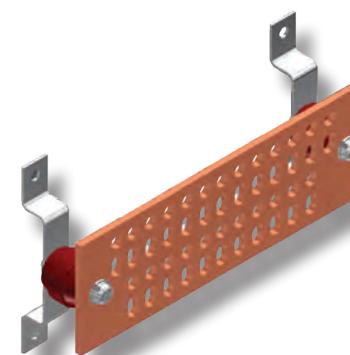
Hole Pattern "J"



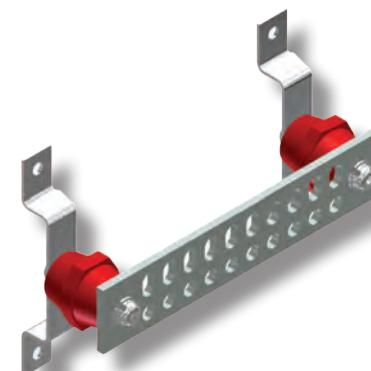
Ground Bar shown with optional pigtail.

Pattern "M"				
Catalog Number	Kit	Tinned	Bar Size	# of Holes
CB14412M	Bar Only	No	1/4" X 4" X 12"	48
TCB14412M		Yes	1/4" X 4" X 12"	48
CB14412MK	Bar w/ Insulators & Brackets	No	1/4" X 4" X 12"	48
TCB14412MK		Yes	1/4" X 4" X 12"	48
CB14420M	Bar Only	No	1/4" X 4" X 20"	88
TCB14420M		Yes	1/4" X 4" X 20"	88
CB14420MK	Bar w/ Insulators & Brackets	No	1/4" X 4" X 20"	88
TCB14420MK		Yes	1/4" X 4" X 20"	88
CB14424M	Bar Only	No	1/4" X 4" X 24"	112
TCB14424M		Yes	1/4" X 4" X 24"	112
CB14424MK	Bar w/ Insulators & Brackets	No	1/4" X 4" X 24"	112
TCB14424MK		Yes	1/4" X 4" X 24"	112

- Mounting holes not included in total.
- Accommodates two hole lugs spaced 3/4" and 1" on center.
- 12" bar pictured. Holes are 7/16" diameter and slots are 7/16" x 11/16".
- Bars available electro-tin plated.
- Tamper proof bolts available.
- Plexiglas cover available.
- Other sizes available. Contact factory for details.



Hole Pattern "M"



Hole Pattern "P"

Pattern "P"				
Catalog Number	Kit	Tinned	Bar Size	# of Holes
CB14212P	Bar Only	No	1/4" X 2" X 12"	26
TCB14212P		Yes	1/4" X 2" X 12"	26
CB14212PK	Bar w/ Insulators & Brackets	No	1/4" X 2" X 12"	26
TCB14212PK		Yes	1/4" X 2" X 12"	26

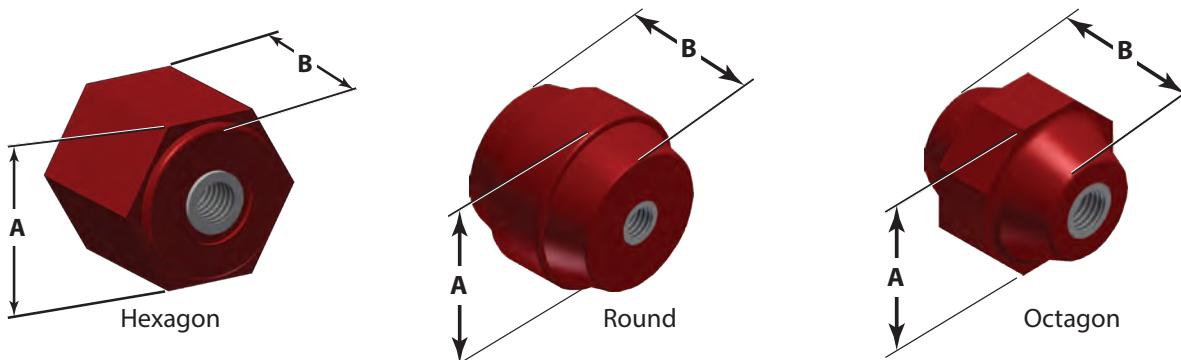
- Mounting holes not included in total.
- Accommodates two hole lugs spaced 3/4" and 1" on center.
- 12" bar pictured. Holes are 7/16" diameter and slots are 7/16" x 11/16".
- Bars available electro-tin plated.
- Tamper proof bolts available.
- Plexiglas cover available.
- Other sizes available. Contact factory for details.



Grounding Equipment
12 CM

GROUNDING PRODUCTS

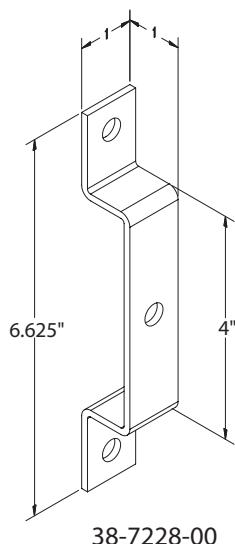
STANDOFF INSULATORS - RED



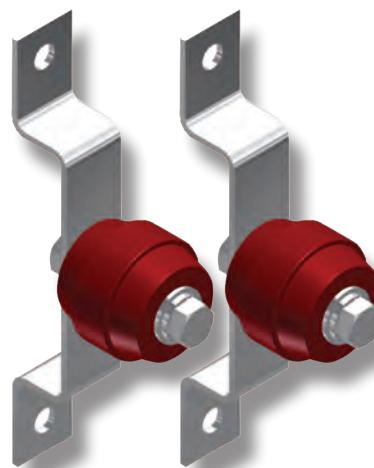
Manufactured from glass reinforced thermoset polyester.

Catalog Number	"A"	"B"	Shape	Thread Size	Voltage Rating
38-6330-00	1"	1"	Hex	1/4"- 20 X 5/16" AL	600
38-6330-01	1"	1 1/4"	Hex	1/4"-20 x 5/16" AL	600
38-6331-00	2"	1 1/2"	Octagon	1/4"- 20 X 7/16" STL	1500
38-6333-00	1 3/4"	2"	Round	3/8"- 16 X 9/16" STL	2500
38-6334-00	2"	2"	Octagon	1/2"- 13 X 5/8" STL	2500
38-6334-01	2"	2"	Octagon	3/8"- 16 X 9/16" STL	2500
38-7725-00	2"	2 1/4"	Octagon	3/8"- 16 X 9/16" STL	2700
38-7725-01	2"	2 1/4"	Octagon	1/2"- 13 X 5/8" STL	2700
38-6335-00	2 1/2"	2 5/8"	Octagon	5/8"- 11 X 3/4" AL	3400

MOUNTING BRACKETS



38-7228-00



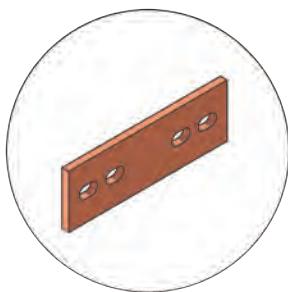
Catalog Number	Mounting Hole Size	"H"	Kit
38-7230-00	7/16"	1"	Yes
38-7228-00	7/16"	1"	No

- Manufactured from 304 series stainless steel.
- Kit includes two of the assembly (pictured) plus the 3/8" hardware required to mount to a ground bar.
- Mounting Kit uses 38-6333-00 insulators

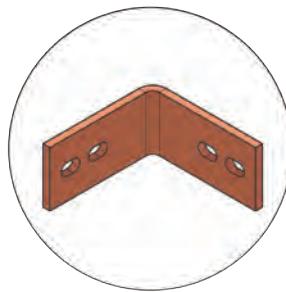
GROUNDING PRODUCTS

PERIMETER BUS BARS

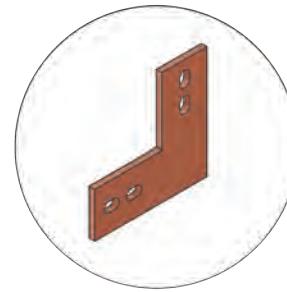
thermOweld's perimeter bus bar system is designed to terminate ground wires and cables from equipment and other devices within a structure. The system encompasses straight bars, elbows, splicers, insulators and mounting brackets. This versatile system is great for clean rooms, data centers and laboratories when designing around corners and doors. thermOweld's technical support can help with the designing of your system to meet your design criteria.



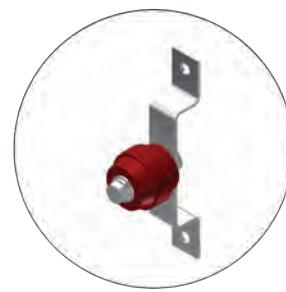
SPB Splice Plate



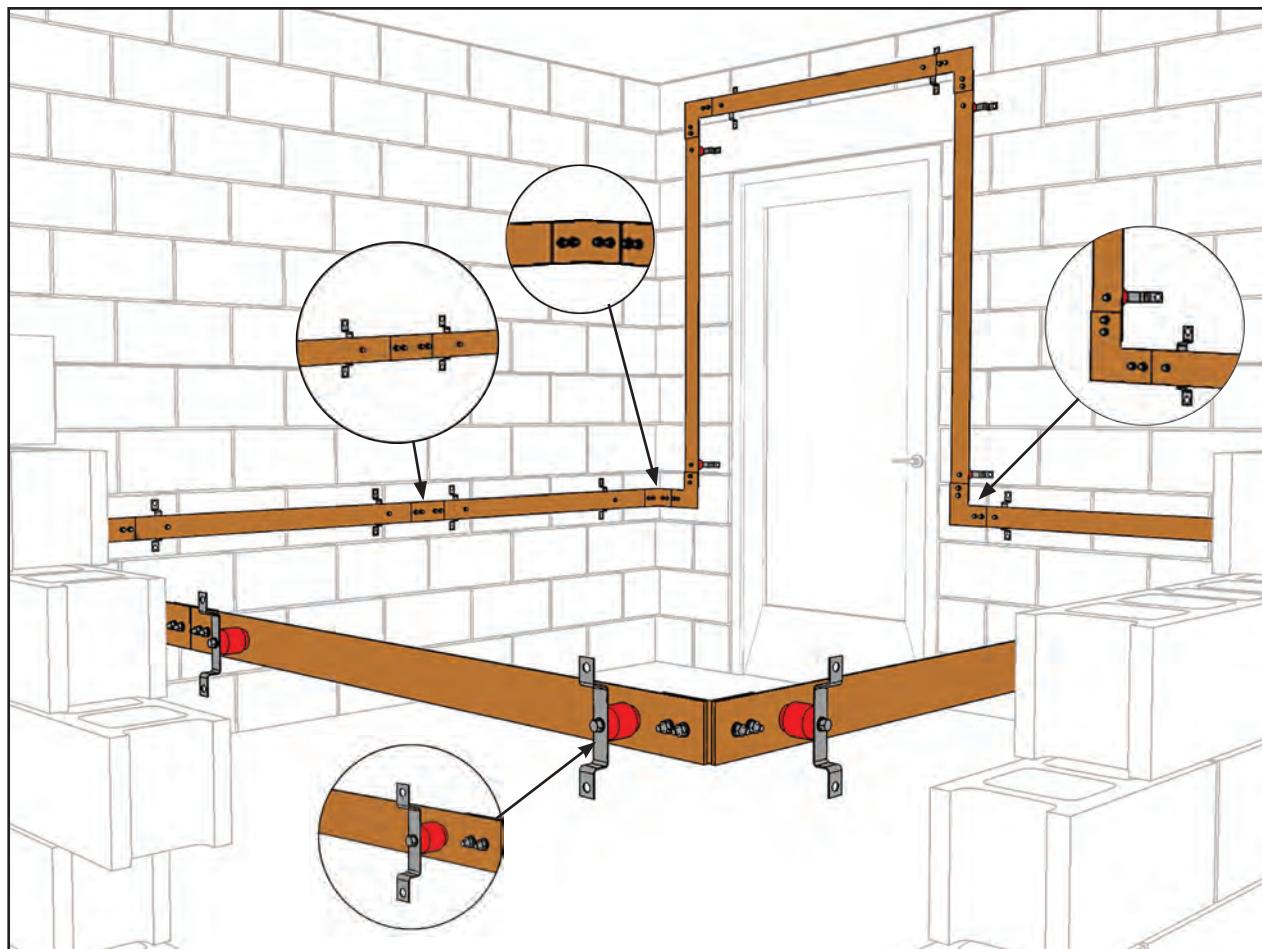
90SPB Splice Plate



PLB Splice Plate



Mounting Kit



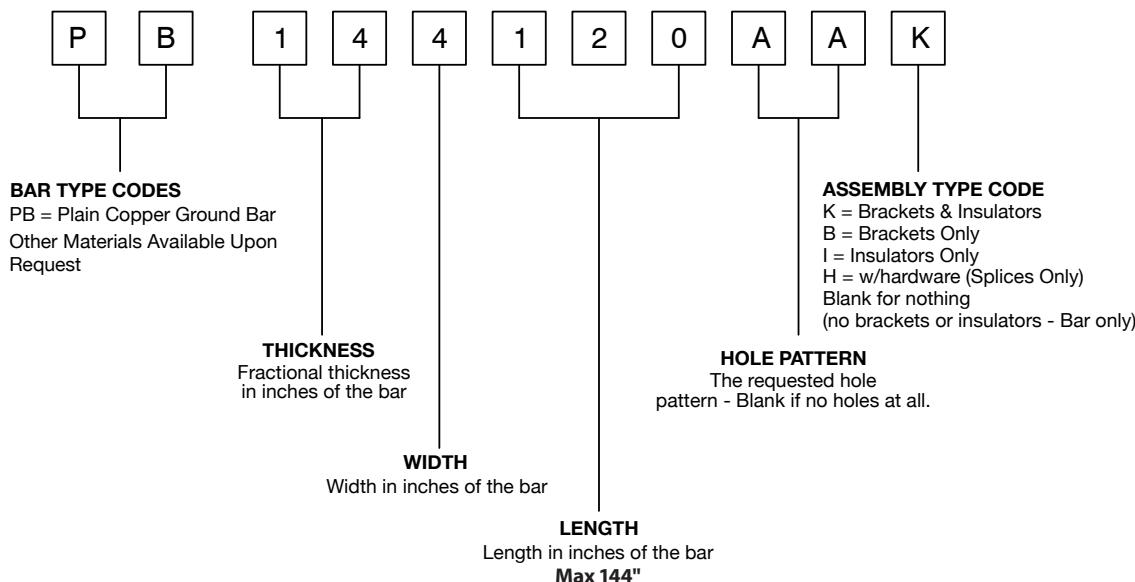
GROUNDING PRODUCTS

PERIMETER BUS BARS

PERIMETER BAR NUMBERING SYSTEM

Below is a guide on how to understand thermOweld's perimeter bus bar numbering system. Each digit of the catalog number represents specific details of our ground bars. Please note that other sizes are available. Contact thermOweld for details.

The example below indicates a plain copper ground bar, 1/4" thick, 10' (120") long, with hole pattern AA, with brackets and insulators.



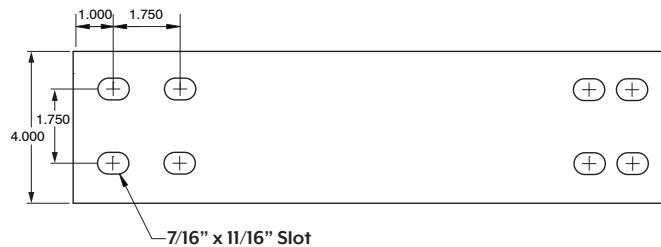
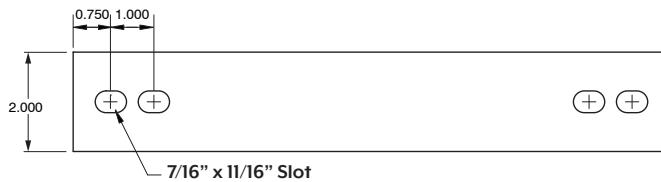
Perimeter Bus Bar Splices	
Catalog Number	Description
SPB1426N	2" SPB Splice Plate
SPB1426NH	2" SPB Splice Plate with Hardware*
SPB1449N	4" SPB Splice Plate
SPB1449NH	4" SPB Splice Plate with Hardware*
90PB1424N	2" 90SPB Splice Plate
90PB1424NH	2" 90SPB Splice Plate with Hardware*
90PB1446N	4" 90SPB Splice Plate
90PB1446NH	4" 90SPB Splice Plate with Hardware*
PLB1425N	2" PLB Splice Plate
PLB1425NH	2" PLB Splice Plate with Hardware*
PLBX1448N	4" PLB Splice Plate
PLBX1448NH	4" PLB Splice Plate with Hardware*

* Hardware consists of nuts, bolts and washers

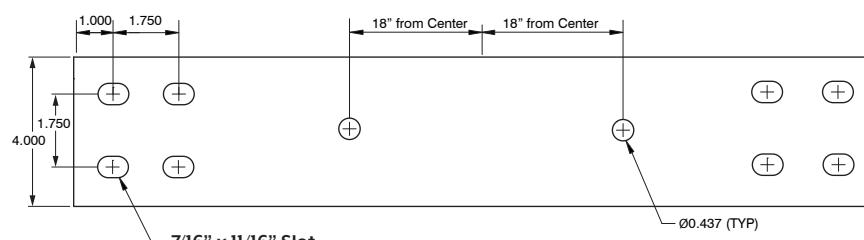
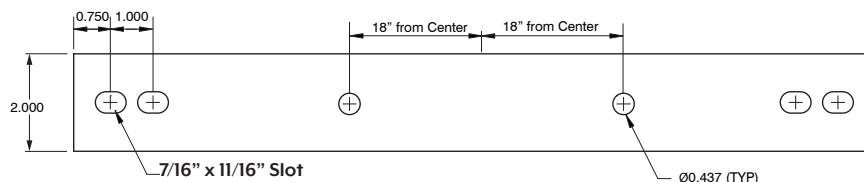


Mounting Kit
38-7230-01

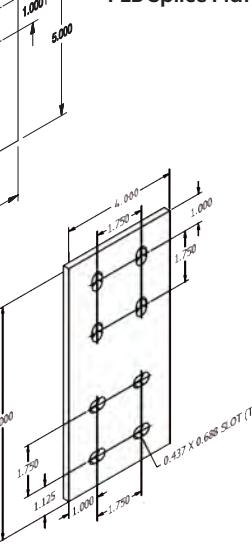
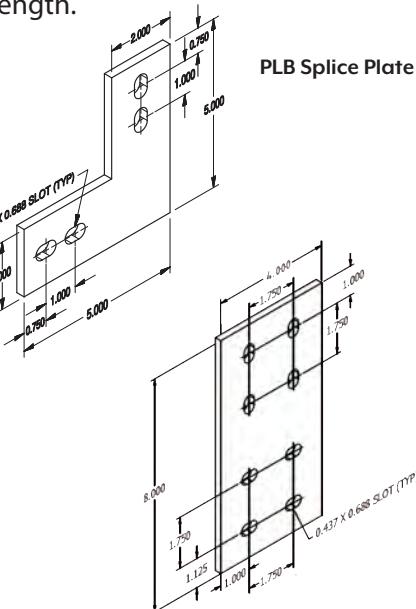
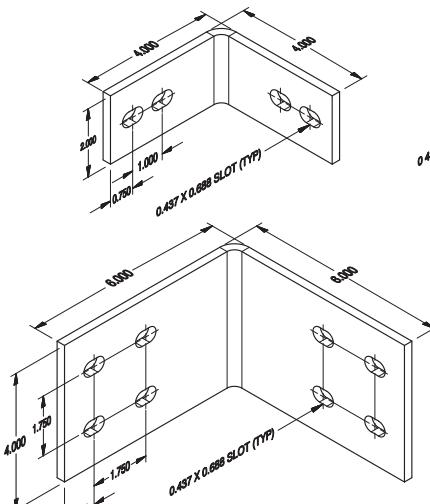
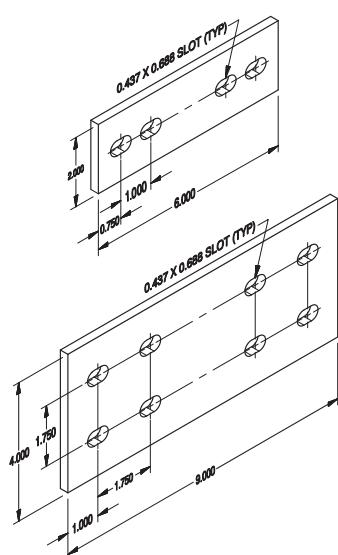
PERIMETER BUS BARS

**NN Pattern**

No hole pattern, except mounting holes, can be made to any length.

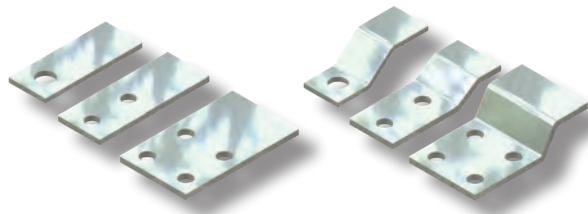
**AA Pattern**

Holes are spaced 36" apart, can be made to any length.



GROUNDING PRODUCTS

COPPER LUGS

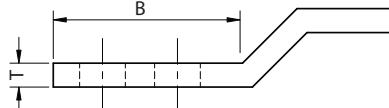
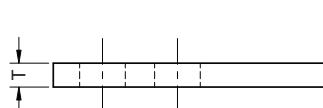
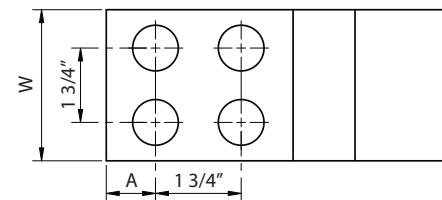
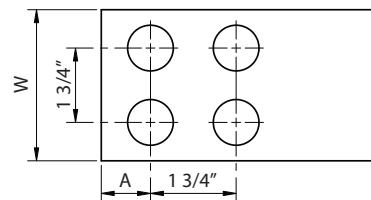
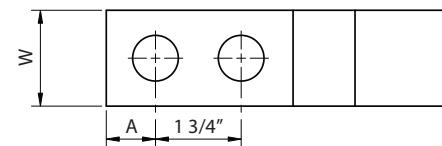
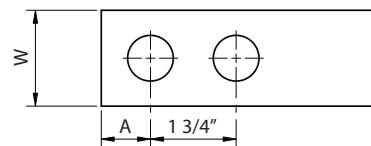
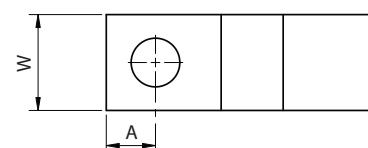
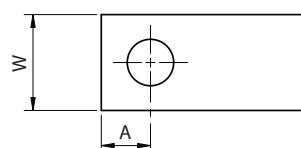


STRAIGHT AND OFFSET COPPER LUGS

thermOweld® straight & offset lugs are designed to be used with CB-1 Type Molds. The lugs are made from electrolytic grade copper bar stock and are tin plated. The lugs are available with one, two or four bolt holes with NEMA spacing. For lug sizes not listed, contact thermOweld®.

Lug Size	Straight Lug Part #	Offset Lug Part #	# Of Holes	Bolt Size	T	W	A	B
1/8 X 1	38-4200-00	38-4150-00	1	3/8	1/8	1	1/2	7/8
1/8 X 1	38-4202-00	38-4152-00	2	1/2	1/8	1	5/8	3
3/16 X 1	38-4203-00	38-4153-00	1	1/2	3/16	1	9/16	1-1/8
3/16 X 1	38-4205-00	38-4155-00	2	1/2	3/16	1	5/8	3
1/4 X 1	38-4206-00	38-4156-00	1	1/2	1/4	1	5/8	1-1/8
1/4 X 1	38-4208-00	38-4158-00	2	1/2	1/4	1	5/8	3
1/4 X 1-1/2	38-4212-00	38-4162-00	1	5/8	1/4	1-1/2	3/4	1-1/2
1/4 X 1-1/2	38-4214-00	38-4164-00	2	1/2	1/4	1-1/2	5/8	3
1/4 X 2	38-3605-00	38-3607-00	2	1/2	1/4	2	5/8	3
3/8 X 1-1/2	38-4215-00	38-4165-00	1	5/8	3/8	1-1/2	3/4	1-1/2
3/8 X 1-1/2	38-4217-00	38-4167-00	2	1/2	3/8	1-1/2	5/8	3
3/8 X 2	38-4218-00	38-4168-00	1	5/8	3/8	2	1	2-1/8
3/8 X 2	38-4220-00	38-4170-00	2	1/2	3/8	2	5/8	3
1/4 X 3	38-4221-00	38-4171-00	4	1/2	1/4	3	5/8	3
3/8 X 3	38-4225-00	38-4175-00	4	1/2	3/8	3	5/8	3
1/2 X 3	38-4226-00	38-4176-00	4	1/2	1/2	3	5/8	3

For sizes not listed, contact thermOweld®.



STRAIGHT LUG

OFFSET LUG

COPPER LUGS

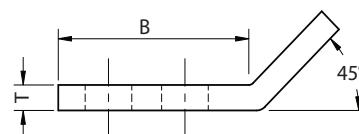
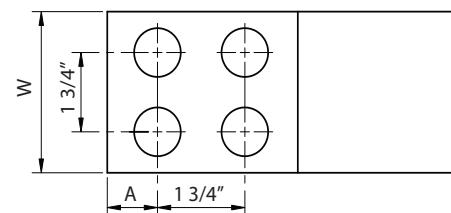
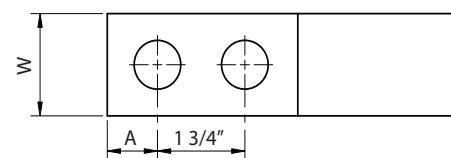
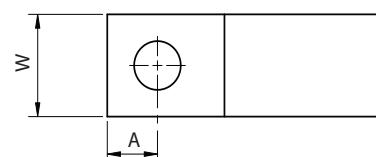


45° COPPER LUGS

thermOweld® 45° lugs are designed to be used with CB-1 Type Molds. The lugs are made from electrolytic grade copper bar stock and tin plated. The lugs are available with one, two or four bolt holes with NEMA spacing. For lug sizes not listed, contact thermOweld®.

Lug Size	45° Lug Part #	# Of Holes	Bolt Size	T	W	A	B
1/8 X 1	38-4227-00	1	3/8	1/8	1	7/16	7/8
1/8 X 1	38-4229-00	2	1/2	1/8	1	5/8	3
3/16 X 1	38-4230-00	1	1/2	3/16	1	5/8	1-1/4
3/16 X 1	38-4232-00	2	1/2	3/16	1	5/8	3
1/4 X 1	38-4233-00	1	1/2	1/4	1	5/8	1-1/4
1/4 X 1	38-4235-00	2	1/2	1/4	1	5/8	3
1/4 X 1-1/2	38-4239-00	1	5/8	1/4	1-1/2	3/4	1-1/2
1/4 X 1-1/2	38-4241-00	2	1/2	1/4	1-1/2	5/8	3
3/8 X 1-1/2	38-4242-00	1	5/8	3/8	1-1/2	3/4	1-1/2
3/8 X 1-1/2	38-4244-00	2	1/2	3/8	1-1/2	5/8	3
3/8 X 2	38-4245-00	1	5/8	3/8	2	3/4	1-1/2
3/8 X 2	38-4247-00	2	1/2	3/8	2	5/8	3
1/4 X 3	38-4248-00	4	1/2	1/4	3	5/8	3
3/8 X 3	38-4252-00	4	1/2	3/8	3	5/8	3
1/2 X 3	38-4253-00	4	1/2	1/2	3	5/8	3

For sizes not listed, contact thermOweld®.



GROUNDING PRODUCTS

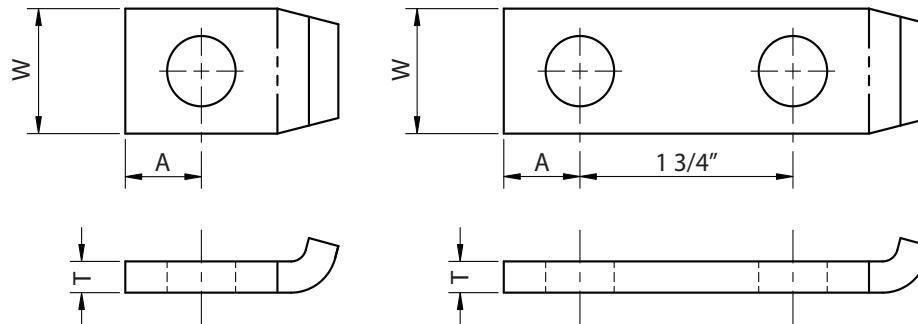
COPPER LUGS

CB-33 STYLE COPPER LUGS

thermOweld® CB-33 Style lugs are designed to be used with CB-33 Type Molds. The lugs are made from electrolytic grade copper bar stock and are tin plated. The lugs are available with one or two bolt holes with NEMA spacing. For lug sizes not listed, contact thermOweld®.

Lug Size	Lug Part #	# Of Holes	Bolt Size	T	W	A
1/8 X 1	38-4294-00	1	1/2	1/8	1	5/8
1/8 X 1	38-3575-00	2	1/2	1/8	1	5/8
3/16 X 1	38-4293-00	1	1/2	3/16	1	5/8
3/16 X 1	38-4297-00	2	1/2	3/16	1	5/8
1/4 X 1	38-4295-00	1	1/2	1/4	1	5/8
1/4 X 1	38-4298-00	2	1/2	1/4	1	5/8
1/4 X 1-1/2	38-4296-00	1	1/2	1/4	1-1/2	5/8
1/4 X 1-1/2	38-4299-00	2	1/2	1/4	1-1/2	5/8

For sizes not listed, contact thermOweld®.



PREFABRICATED LUG BONDS

COPPER LUG BONDS

Prefabricated Lug Bonds and Lug Stub Bonds are made to your specifications. Typical uses for Prefabricated Lug Bonds include cable tray bonding and grounding, structure bonds, surge arrester leads and power jumpers.

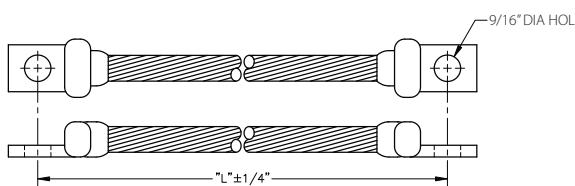


Figure 1

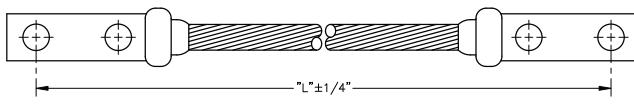


Figure 2



Figure 3

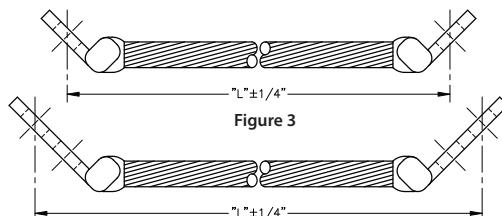


Figure 4

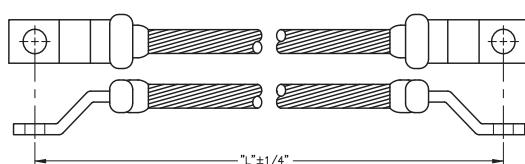


Figure 5

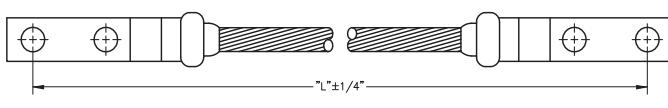
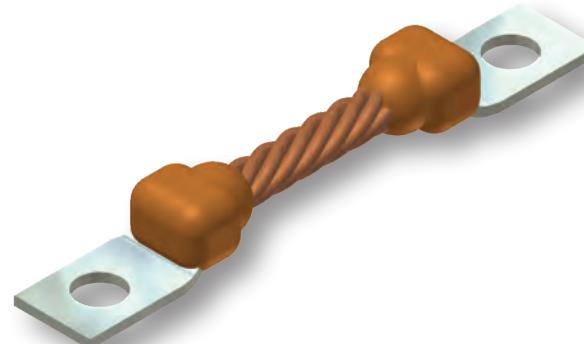


Figure 6



LUG BONDS

Cable Size	Lug Size	One Hole Figure 1	Two Hole Figure 2	One Hole 45° Figure 3	Two Hole 45° Figure 4	One Hole Offset Figure 5	Two Hole Offset Figure 6
#4	1/8 X 1	38-5672-'L"	38-5673-'L"	38-5674-'L"	38-5675-'L"	38-7311-'L"	TBD
#2	1/8 X 1	38-5676-'L"	38-5677-'L"	38-5678-'L"	38-5679-'L"	TBD	TBD
#1	1/8 X 1	38-5680-'L"	38-5681-'L"	38-5682-'L"	38-5683-'L"	TBD	TBD
1/0	1/8 X 1	38-5684-'L"	38-5685-'L"	38-5686-'L"	38-5687-'L"	TBD	TBD
2/0	1/8 X 1	38-5688-'L"	38-5689-'L"	38-5690-'L"	38-5691-'L"	TBD	TBD
4/0	3/16 X 1	38-5692-'L"	38-5693-'L"	38-5694-'L"	38-5695-'L"	TBD	TBD
250 MCM	3/16 X 1	38-5696-'L"	38-5697-'L"	38-5698-'L"	38-5699-'L"	TBD	TBD

"L" = Length of Bond in inches

For sizes not listed, contact thermOweld®

GROUNDING PRODUCTS

PREFABRICATED LUG BONDS

COPPER LUG STUB BONDS

Prefabricated Lug Bonds and Lug Stub Bonds are made to your specifications. Typical uses for Prefabricated Lug Bonds include cable tray bonding and grounding, structure bonds, surge arrester leads and power jumpers.

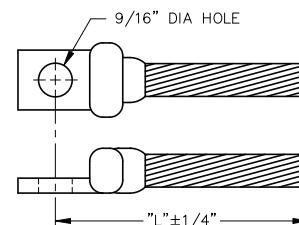
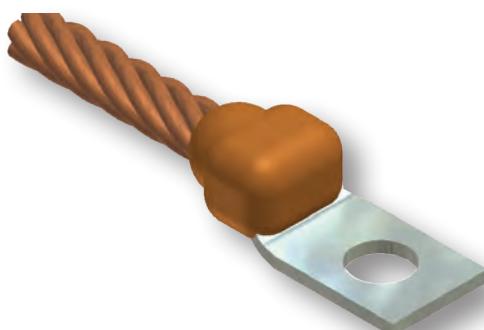


FIGURE 1

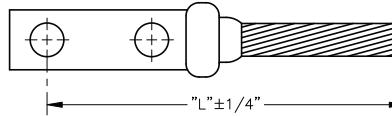


FIGURE 2

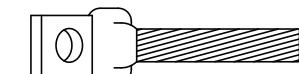


FIGURE 3

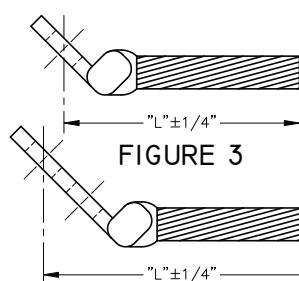


FIGURE 4

LUG STUB BONDS					
Cable Size	Lug Size	One Hole Figure 1	Two Hole Figure 2	One Hole 45° Figure 3	Two Hole 45° Figure 4
#4	1/8 X 1	38-5700-"L"	38-5701-"L"	38-5702-"L"	38-5703-"L"
#2	1/8 X 1	38-5704-"L"	38-5705-"L"	38-5706-"L"	38-5707-"L"
#1	1/8 X 1	38-5708-"L"	38-5709-"L"	38-5710-"L"	38-5711-"L"
1/0	1/8 X 1	38-5712-"L"	38-5713-"L"	38-5714-"L"	38-5715-"L"
2/0	1/8 X 1	38-5716-"L"	38-5717-"L"	38-5718-"L"	38-5719-"L"
4/0	3/16 X 1	38-5720-"L"	38-5721-"L"	38-5722-"L"	38-5723-"L"
250 MCM	3/16 X 1	38-5724-"L"	38-5725-"L"	38-5726-"L"	38-5727-"L"

"L" = Length of Bond in inches

For sizes not listed, contact thermOweld®

REBAR BONDS

Rebar Bonding Assemblies consist of Rebar cut to 18" long, with 5' long copper wire attached to the center of the rebar using our CRE-1 exothermic connection.



Rebar Size	Cable Size\Code	Catalog #
#4 x 18"	Q* x 5'	38-7319-00
#4 x 18"	D* x 5'	38-7304-00
#4 x 18"	4/0 x 5'	38-6875-00

* See page 4-100 for lightning protection cable code.
Contact thermOweld for other cable sizes and custom configurations

UL LISTED PREFABRICATED COPPER GROUND MESH

Prefabricated wire mesh is a simple and cost effective method of enhancing ground systems. Our Prefabricated wire mesh is used in the telecommunication industry to improve grounding and reduce electromagnetic interference. It is also used in power plants and sub-station facilities to reduce potential injury due to electrical discharge.

We manufacture our ground mesh from solid copper or copper clad steel wire. The wire size range from #10 AWG to #4 AWG. We offer ground mesh with no overhang and overlapping ends typical .

Otherwise known as:

Gradient Mesh: Canadian Standards & US -Pipeline

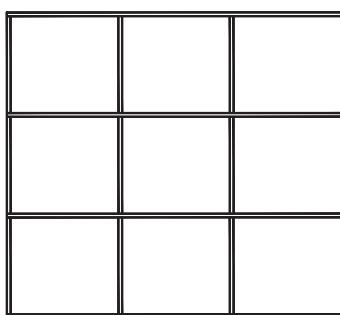
Equipotential Mesh: NEC - Swimming Pools

Personnel Safety Mat: IEEE80

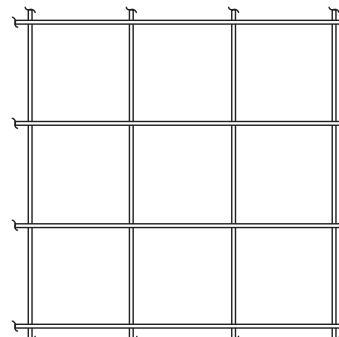
Ground Mesh: UL467

Overlapping Ends

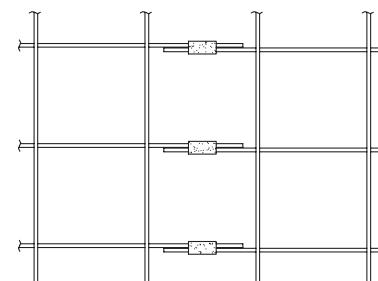
This configuration is designed to allow for side by side connections of adjoining mats; thus providing the easiest method of joining two mesh sections. Adding 2" to one half the conductor spacing provides the overlapping ends. For example, if the mesh size is 6" square, the overlapping end length is 5".



Without Overhang



With Overhang



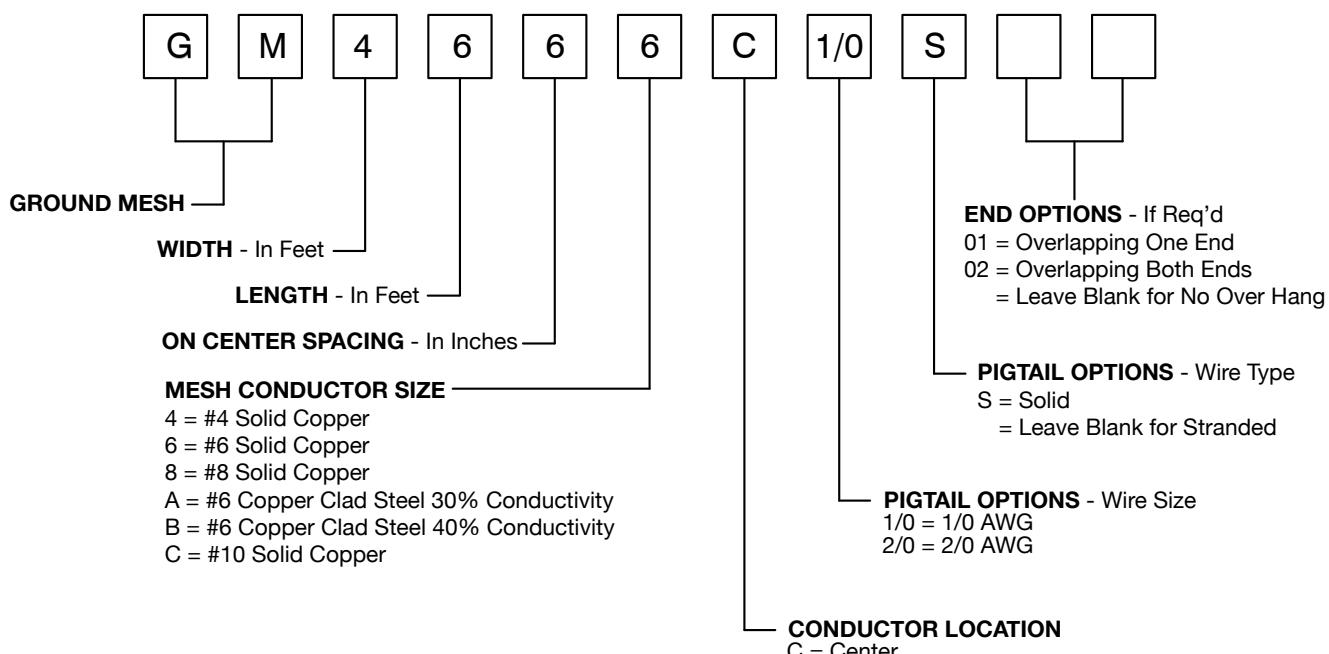
"Overlapping" ends

GROUNDING PRODUCTS

UL LISTED PREFABRICATED COPPER GROUND MESH

GROUND MESH NUMBERING SYSTEM

Example



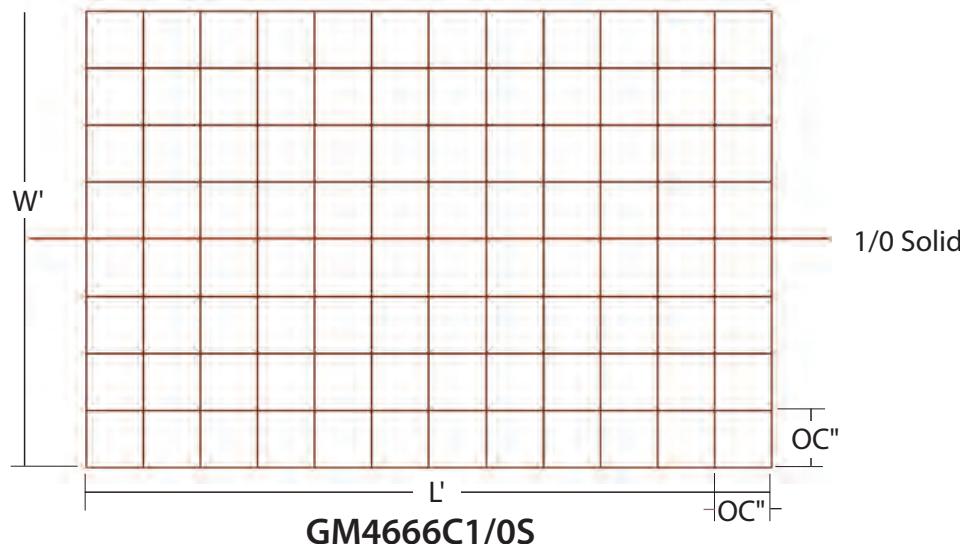
Catalog No.	Description
GM4666C1/OS	4' x 6' x 6" On Center - #6 Solid Copper - Center Conductor 1/0 Solid Pigtail
GM4666	4' x 6' x 6" On Center - #6 Solid Copper
GM468B	4' x 6' x 8" On Center - #6 Copper Clad Steel 40% Conductivity
GM105012801	10' x 50' x 12" On Center - #8 Solid Copper - with Over Hang One End
GM1230126	12' x 30' x 12" On Center - #6 Solid Copper

*Custom sizes and options available upon request, contact thermOweld for details.

NOTES:

- Overlapping ends are equal to 1/2 the spacing plus 2" Don't count overhang for total dimensions.
- Center wire conductors overhang 6" on each end.
- Typical Sizes: 4' x 4', and 4' x 6', Mesh is also available on rolls. Contact factory for details
- Silver Solder Brazed
- Minimum spacing available is 2". UL467 allows 4" to 24" spacing for listing

UL LISTED PREFABRICATED COPPER GROUND MESH



Type	Width (W)	Length (L)	O.C. Spacing	Conductor	Pigtail Options					
G M	4	6	6	6	C	1	/	0	S	
Ground Mesh	Width in Feet	Length in Feet	On Center Spacing in Inches	Conductor Size and Type	Pigtail Conductor Location, Size and Type					

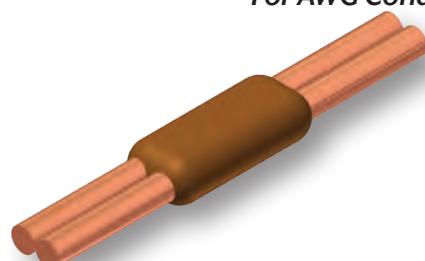
Section 8
Grounding Products

CC-14

TYPE MOLDS

*Horizontal Parallel through Cables
For AWG Conductors*

MOLDS FOR AWG CONDUCTORS					
Cable		Mold #	Price Key	Weld Metal	Handle Clamps
Run	Tap				Lead Time
#8	#8	M-1929-S	18†	15	40-4565-00
#8 CCS	#8 CCS	M-6210-S	18†	15	40-4565-00
#6	#6	M-5618-S	18†	25	40-4565-00
#6 CCS	#6 CCS	M-6207	18†	15	40-4565-00



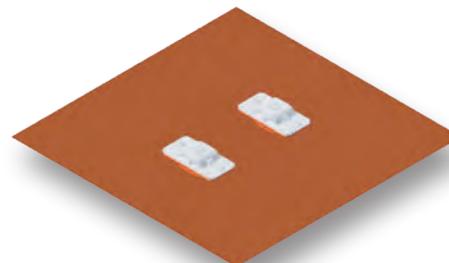
- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- CCS = Copper Clad Steel
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - † ~ Sold complete with handles
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

GROUNDING PRODUCTS

COPPER GROUND PLATES

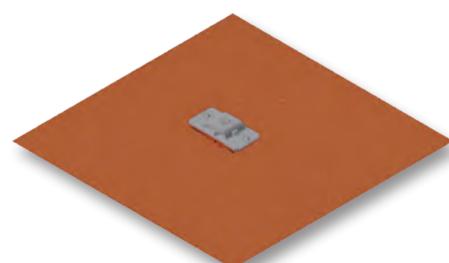
Catalog Number	Ground Plate Size	Thickness (Inches)
38-6338-00	18" X 18"	.032
38-6339-00	24" X 24"	.032

- Copper Ground Plate features two dual cable connectors for a secure electrical connection.



Catalog Number	Ground Plate Size	Thickness (Inches)
38-6338-01	18" X 18"	.032
38-6339-01	24" X 24"	.032

- Same as above except only has a single cable connector.



Catalog Number	Ground Plate Size	Thickness (Inches)
38-6340-X0	18" X 18"	.032
38-6341-X0	24" X 24"	.032

- Copper Ground Plate features an 18" or 24" (depending on the size of the plate) copper conductor exothermically welded to the plate.



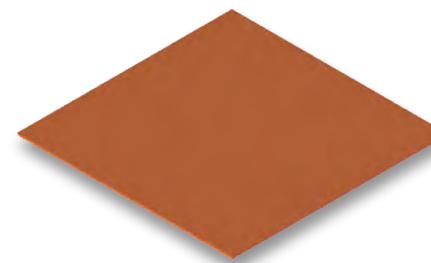
Note - "X" When ordering, please specify type of conductor to be used.

1 = #4 STR 4 = 1/0 STR 7 = 250 MCM
2 = #2 SOL 5 = 2/0 STR 8 = 350 MCM
3 = #2 STR 6 = 4/0 STR 9 = 500 MCM

(Example: 38-6340-30 = 18" x 18" Ground Plate w/ #2 STR conductor)

Catalog Number	Ground Plate Size	Thickness (Inches)
38-6342-18	18" X 18"	.25
38-6342-24	24" X 24"	.25

- 1/4" thick bare copper ground plate.
- Field connection required.



*Other sizes and thicknesses are available.
Please contact factory for details.*

APPLICATION NOTES:

- Copper Ground Plates are used in areas having little or no top soil.
- Can also be used to enhance ground grid systems.
- Can be used in conjunction with earth enhancement material such as Contact.

POLE PLATES

With "One Step Pole Plates," grounding pole equipment is possible without the problems of having to drive a ground rod. Just place the plate in the hole with six inches of Contact GF back fill material below and above the copper plate. Then connect the wire to the pole above the ground line. This easy process is a quick and efficient way to get the job done.

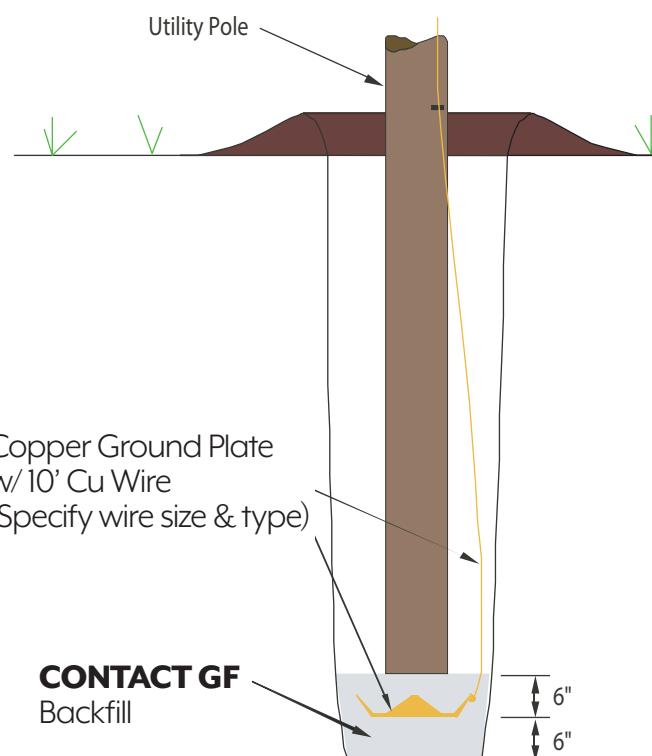
This installation is equivalent to a ground rod driven into undisturbed soil.

Features

- No need to drive a ground rod when installed as directed.
- Reduces strain and injuries.
- Reduces installation time.
- Reduces grounding errors.
- 100% Copper plate with thermOweld® pigtail.
- Saves time and money.
- Used for grounding Class 5 and larger poles.
- Different configurations available to fit smaller diameter holes.
- Meets the NESC 2002 094B4b for ground plates



Catalog Number	Pigtail Size
38-5955-00	10 ft of #6 Solid
38-5955-03	10 ft of #4 Solid
38-5955-04	10 ft of #2 Stranded



GROUNDING PRODUCTS

T-WRAP

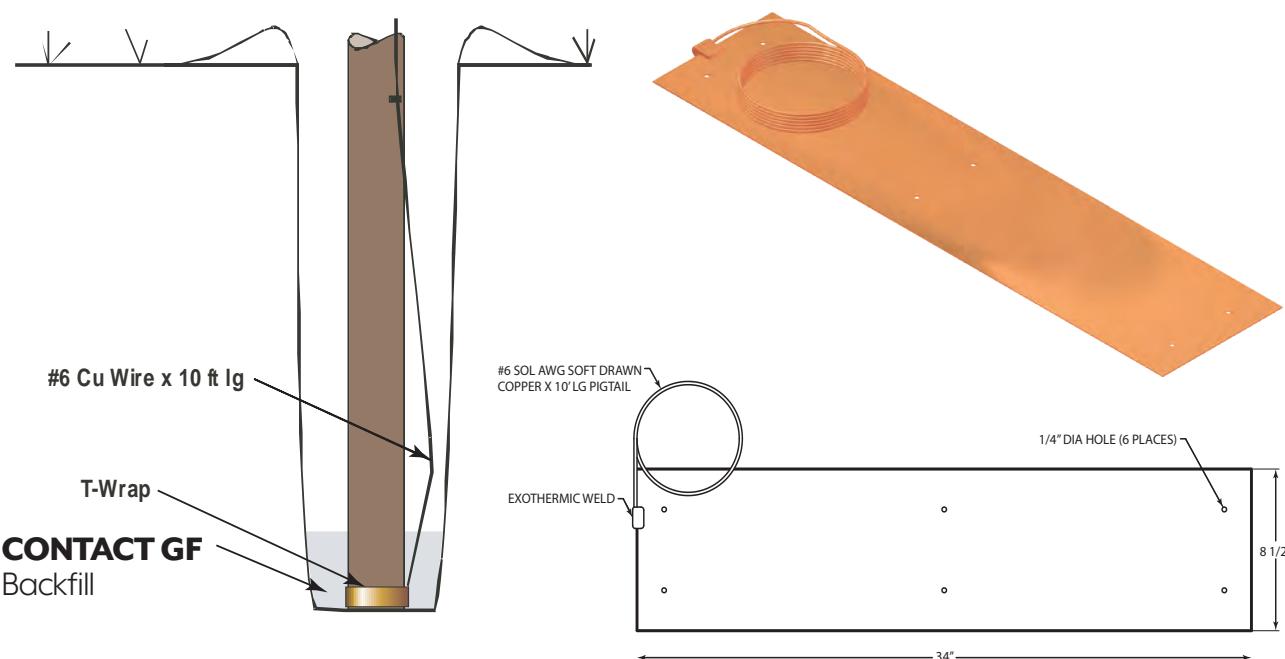
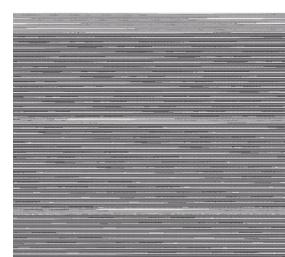
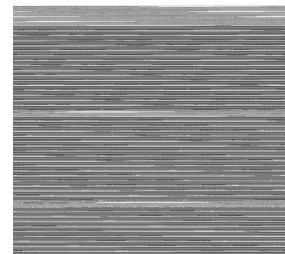
Part Number 38-6558-00

The National Electric Safety Code (NESC) requires a separate ground at any pole with a transformer installed on it. Many power companies also require a second ground at any pole with equipment. Common practice is to install a ground rod with #6 wire attached to it. This task can sometimes be a problem.

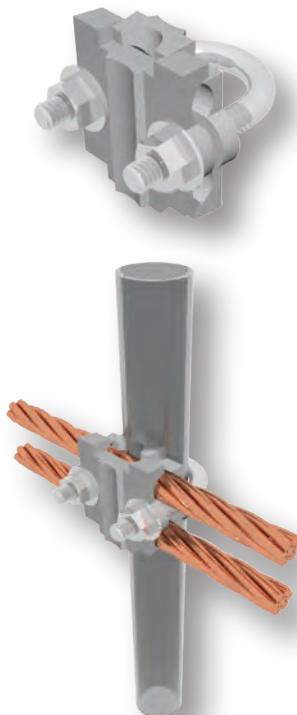
With the T-Wrap you can satisfy this requirement without the problems of driving a ground rod. Just place the plate in the pole hole with 6 inches of Contact GF back fill material below and on top of the T-Wrap. Set the pole on top of the T-Wrap and attach the #6 wire to the pole above the ground line.

This installation is equivalent to a ground rod driven into undisturbed soil.

- Will fit any size wood, concrete or composite pole
- Hole does not need to be augured deeper than normal
- Does not require a larger auger than the one needed to fit pole
- Can be prepped at the yard before transfer to site
- Meets the NESC 2002 094B4b for ground plates
- Reduces labor (no need to drive ground rod)
- Reduces impedance
- Works well with ground enhancing products
- Could be used to ground slab mounted transformers



BONDING/PIPE CLAMPS



Cast U-Bolt Pipe Clamps for use with pipe or round bar.

- Manufactured from electroplated tinned bronze or aluminum.
- Wider conductor range; #6 through 250 MCM.
- Features "quick connect", bidirectional design.
- PEM® stud ensures a flush mounting surface.
- Suitable for Direct Burial.

Catalog Number	Material	Description
38-7420-00	Aluminum	1" U-Bolt Bonding Clamp - Fits .400" to 1.375" O.D. Pipe
38-7420-10	Bronze	1" U-Bolt Bonding Clamp - Fits .400" to 1.375" O.D. Pipe
38-7420-11	Tinned	1" U-Bolt Bonding Clamp - Fits .400" to 1.375" O.D. Pipe

Pipe Range 0.375" - 1"



Pipe Range 2" - 8"

Catalog Number	Material	Description
38-7421-00	Aluminum	2" U-Bolt Bonding Clamp - Fits 1.315" to 2.000" O.D. Pipe
38-7421-10	Bronze	2" U-Bolt Bonding Clamp - Fits 1.315" to 2.000" O.D. Pipe
38-7421-11	Tinned	2" U-Bolt Bonding Clamp - Fits 1.315" to 2.000" O.D. Pipe
38-7422-00	Aluminum	3" U-Bolt Bonding Clamp - Fits 1.900" to 3.000" O.D. Pipe
38-7422-10	Bronze	3" U-Bolt Bonding Clamp - Fits 1.900" to 3.000" O.D. Pipe
38-7422-11	Tinned	3" U-Bolt Bonding Clamp - Fits 1.900" to 3.000" O.D. Pipe
38-7423-00	Aluminum	4" U-Bolt Bonding Clamp - Fits 2.750" to 4.500" O.D. Pipe
38-7423-10	Bronze	4" U-Bolt Bonding Clamp - Fits 2.750" to 4.500" O.D. Pipe
38-7423-11	Tinned	4" U-Bolt Bonding Clamp - Fits 2.750" to 4.500" O.D. Pipe
38-7424-00	Aluminum	6" U-Bolt Bonding Clamp - Fits 4.500" to 6.750" O.D. Pipe
38-7424-10	Bronze	6" U-Bolt Bonding Clamp - Fits 4.500" to 6.750" O.D. Pipe
38-7424-11	Tinned	6" U-Bolt Bonding Clamp - Fits 4.500" to 6.750" O.D. Pipe
38-7711-00	Aluminum	8" U-Bolt Bonding Clamp - Fits 6.000" to 8.625" O.D. Pipe
38-7711-10	Bronze	8" U-Bolt Bonding Clamp - Fits 6.000" to 8.625" O.D. Pipe
38-7711-11	Tinned	8" U-Bolt Bonding Clamp - Fits 6.000" to 8.625" O.D. Pipe

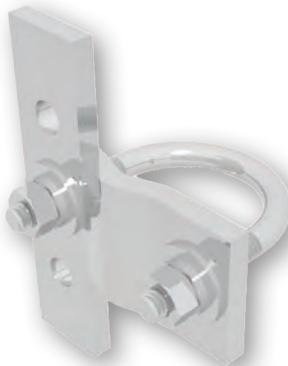
GROUNDING PRODUCTS

UNIVERSAL PIPE CLAMPS

Catalog Number	Nominal Pipe Size
38-6352-00	.75" to 1.25"
38-6353-00	1.5" to 2"
38-6353-01	2.5" to 3"
38-6353-02	3.5" to 4"
38-6353-03	5" to 6"

- All clamps provide 1-1/2" of contact area to ensure sufficient electrical contact for both ground fault and lightning current.
- These clamps can be connected to ground conductors via exothermic connections and/or standard compression lugs.
- Lug ends are 1/4" x 1" and have holes that are 3/8" diameter 1" on center spacing.
- The Universal Pipe Clamp 38-6352-00 provides bidirectional grounding capabilities making it the perfect connection for grounding fence rail to fence post applications.
- Sizes range from 3/4" up through 6" nominal pipe diameters.
- All clamps are manufactured from highly conductive tinned copper and feature stainless steel hardware.

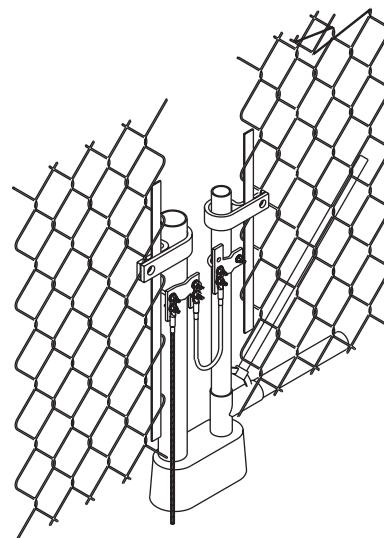
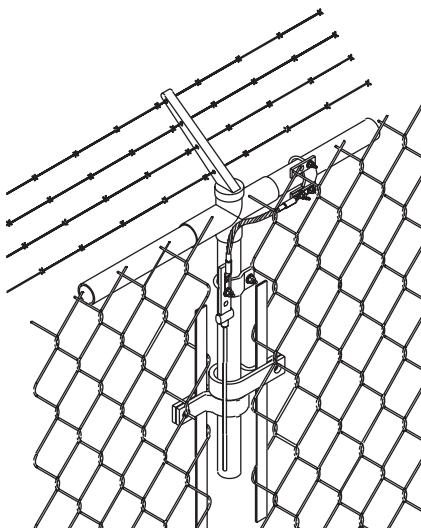
Section 8 Grounding Products



38-6352-00



38-6353-XX



FENCE CLAMP ASSEMBLIES



Figure 1
EXAMPLE
0000-38-6007-1D

3" Post
Left Ground Conductor is
#2 AWG Tinned Solid x 24" long
No Right Ground Conductor



Figure 2
EXAMPLE
0000-38-6010-6L

4" Post
No Left Ground Conductor
Right Ground Conductor is
4/0 Concentric x 144" long

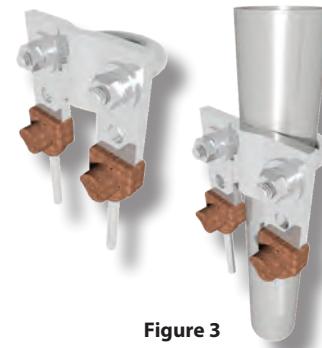


Figure 3
EXAMPLE
0000-38-6013-1D

1.5" Post
Left Ground Conductor is
#2 AWG Tinned Solid x 24" long
Right Ground Conductor is
#2 AWG Tinned Solid x 24" long

Catalog Number	Nominal Pipe Size	Figure
38-6003-†‡	Fits 3/4" to 1 1/4" Post - Left Hand	1
38-6004-†‡	Fits 3/4" to 1 1/4" Post - Right Hand	2
38-6005-†‡	Fits 1 1/2" to 2" Post - Left Hand	1
38-6006-†‡	Fits 1 1/2" to 2" Post - Right Hand	2
38-6007-†‡	Fits 2 1/2" to 3" Post - Left Hand	1
38-6008-†‡	Fits 2 1/2" to 3" Post - Right Hand	2
38-6009-†‡	Fits 3 1/2" to 4" Post - Left Hand	1
38-6010-†‡	Fits 3 1/2" to 4" Post - Right Hand	2
38-6011-†‡	Fits 3/4" to 1 1/4" Post	3
38-6013-†‡	Fits 1 1/2" to 2" Post	3
38-6015-†‡	Fits 2 1/2" to 3" Post	3
38-6017-†‡	Fits 3 1/2" to 4" Post	3

Replace † with the appropriate code from Chart A and ‡ from Chart B. See examples above. For sizes and combinations not listed, contact factory.

Chart A (†)	
Ground Conductor Size Codes	
1 = #2 AWG Tinned Solid	
2 = #2 AWG Concentric	
3 = #1 AWG Concentric	
4 = 1/0 Concentric	
5 = 2/0 Concentric	
6 = 4/0 Concentric	
7 = 250 MCM Concentric	
8 = 300 MCM Concentric	
9 = 350 MCM Concentric	

Chart B (‡)	
Conductor Length Codes	
A = 6"	G = 10"
B = 12"	H = 96"
C = 18"	J = 60"
D = 24"	K = 72"
E = 36"	L = 144"
F = 48"	M = 30"

GROUNDING PRODUCTS

FLEXIBLE GATE JUMPERS

Section 8
Grounding Products



Catalog Number	Jumper Size	Mold Size
38-5532-24	#2	#2 SOLID
38-5533-24	2/0	2/0 STR
38-5534-24	4/0	4/0 STR

- Can be used with the universal pipe clamps or can be exothermically welded to the fence/gate post themselves.
- Three sizes designed to fit either a #2 solid, 2/0 stranded or 4/0 stranded exothermic mold.
- Flex jumpers made from welding cable.
- Standard length is 24" long.



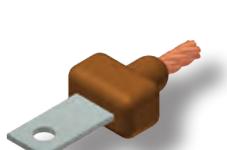
CB-1 Weld Type

Cable Size	Lug Size	Mold #	Weld Metal	Price Key
#2 Sol	1/4" X 1"	M-6667-S	#65	4
2/0	1/4" X 1"	M-981	#65	4
4/0	1/4" X 1"	M-985	#90	4

CS-23 Weld Type

Cable Size	Mold #	Weld Metal	Price Key
#2 Sol	M-2781-SV(P.S.)	#65	4
2/0	M-2540-V(P.S.)	#115	4
4/0	M-8718-V(P.S.)	#150	4

(P.S.) = ADD PIPE SIZE
(EX. M-8718-V3 = 4/0 STR TO 3" VERTICAL PIPE)



CB-1



CS-23

CS-23 Weld Type (Pipe Range)

Cable Size	Nominal Pipe Size	Mold #	Weld Metal	Price Key
#2 Sol	1 1/4" to 4"	M-6199-S	#65	4
2/0	1 1/4" to 3 1/2" Pipe	M-5495	#90	4
	2" to 4" Pipe	M-7202	#90	4
4/0	1 1/4" to 4" Pipe	M-5622	#150	4

FENCE GATE ASSEMBLIES

(EXOTHERMICALLY WELDED)

0000-38-5990-D0
 4" Fence Post
 1.5" Gate Post
 Fence Post is on the **Right**
 4/0 Welding Cable Jumper x 24" long
 No Ground Conductor



Follow the steps outlined below to specify the Fence Clamp Assembly (Exothermically Welded) you need. Replace (#) with the appropriate code from Chart A to specify the flexible jumper size. Contact factory for sizes not listed.

Catalog Number	Description
38-5987-D#	24" Length, Fits 3 1/2" to 4" Gate Post X 3/4" to 1 1/4" Gate Frame - LH
38-5988-D#	24" Length, Fits 3 1/2" to 4" Gate Post X 3/4" to 1 1/4" Gate Frame - RH
38-5989-D#	24" Length, Fits 3 1/2" to 4" Gate Post X 1 1/2" to 2" Gate Frame - LH
38-5990-D#	24" Length, Fits 3 1/2" to 4" Gate Post X 1 1/2" to 2" Gate Frame - RH
38-5991-D#	24" Length, Fits 2 1/2" to 3" Gate Post X 3/4" to 1 1/4" Gate Frame - LH
38-5992-D#	24" Length, Fits 2 1/2" to 3" Gate Post X 3/4" to 1 1/4" Gate Frame - RH
38-5993-D#	24" Length, Fits 2 1/2" to 3" Gate Post X 1 1/2" to 2" Gate Frame - LH
38-5994-D#	24" Length, Fits 2 1/2" to 3" Gate Post X 1 1/2" to 2" Gate Frame - RH
38-5995-D#	24" Length, Fits 1 1/2" to 2" Gate Post X 3/4" to 1 1/4" Gate Frame - LH
38-5996-D#	24" Length, Fits 1 1/2" to 2" Gate Post X 3/4" to 1 1/4" Gate Frame - RH

Chart A (#)
Flexible Jumper Size Codes
2 = #2 AWG Welding Cable
1 = 2/0 AWG Welding Cable
0 = 4/0 AWG Welding Cable

GROUNDING PRODUCTS

FENCE GATE ASSEMBLIES (EXOTHERMICALLY WELDED)



Follow the steps outlined below to specify the Fence Clamp Assembly (Exothermically Welded) you need. Replace (†) with the appropriate code from Chart A to specify the size of the ground conductor and replace (#) with the appropriate code from Chart B to specify the length of the ground conductor.

38-6358-7F
3" Fence Post
1.5" Gate Post
Fence Post is on the **Left**
4/0 Jumper x 24" long
250 MCM Ground Conductor x 48" long

Section 8 Grounding Products

Catalog Number	Flexible Jumper	Description	Left/Right Hand
38-6356-†‡	4/0 W/C	Fits 1 1/2" to 2" Gate Post & 3/4" to 1 1/4" Gate Frame	Left Hand
38-7356-†‡			Right Hand
38-6357-†‡		Fits 2 1/2" to 3" Gate Post & 3/4" to 1 1/4" Gate Frame	Left Hand
38-7357-†‡			Right Hand
38-6358-†‡		Fits 2 1/2" to 3" Gate Post & 1 1/2" to 2" Gate Frame	Left Hand
38-7358-†‡			Right Hand
38-6359-†‡		Fits 3 1/2" to 4" Gate Post & 3/4" to 1 1/4" Gate Frame	Left Hand
38-7359-†‡			Right Hand
38-6360-†‡		Fits 3 1/2" to 4" Gate Post & 1 1/2" to 2" Gate Frame	Left Hand
38-7360-†‡			Right Hand
38-6361-†‡	2/0 W/C	Fits 1 1/2" to 2" Gate Post & 3/4" to 1 1/4" Gate Frame	Left Hand
38-7361-†‡			Right Hand
38-6362-†‡		Fits 2 1/2" to 3" Gate Post & 3/4" to 1 1/4" Gate Frame	Left Hand
38-7362-†‡			Right Hand
38-6363-†‡		Fits 2 1/2" to 3" Gate Post & 1 1/2" to 2" Gate Frame	Left Hand
38-7363-†‡			Right Hand
38-6364-†‡		Fits 3 1/2" to 4" Gate Post & 3/4" to 1 1/4" Gate Frame	Left Hand
38-7364-†‡			Right Hand
38-6365-†‡		Fits 3 1/2" to 4" Gate Post & 1 1/2" to 2" Gate Frame	Left Hand
38-7365-†‡			Right Hand
38-6366-†‡	#2 W/C	Fits 1 1/2" to 2" Gate Post & 3/4" to 1 1/4" Gate Frame	Left Hand
38-7366-†‡			Right Hand
38-6367-†‡		Fits 2 1/2" to 3" Gate Post & 3/4" to 1 1/4" Gate Frame	Left Hand
38-7367-†‡			Right Hand
38-6368-†‡		Fits 2 1/2" to 3" Gate Post & 1 1/2" to 2" Gate Frame	Left Hand
38-7368-†‡			Right Hand
38-6369-†‡		Fits 3 1/2" to 4" Gate Post & 3/4" to 1 1/4" Gate Frame	Left Hand
38-7369-†‡			Right Hand
38-6370-†‡		Fits 3 1/2" to 4" Gate Post & 1 1/2" to 2" Gate Frame	Left Hand
38-7370-†‡			Right Hand

Chart A (†)
Ground Conductor Size Codes
1 = #2 Sol (Tinned)
2 = #2 Str
3 = #1 Str
4 = 1/0 Str
5 = 2/0 Str
6 = 4/0 Str
7 = 250 Mcm

Chart B (#)	
Ground Conductor Length Codes	
A = 6"	G = 10"
B = 12"	H = 96"
C = 18"	J = 60"
D = 24"	K = 72"
E = 36"	L = 144"
F = 48"	M = 30"

NOTE:

All the listed Fence Gate Assemblies come with a 24" long flexible jumper.

FENCE GATE ASSEMBLIES

(COMPRESSION LUGS)



Section 8
Grounding Products

Catalog Number	Nominal Gate Post Size Range	Nominal Fence Post Size Range	Jumper Size	Jumper Length
38-6355-00	1.5" to 2"	2.5" to 3"	#2 AWG	24"
38-6355-01	1.5" to 2"	3.5" to 4"	#2 AWG	24"
38-6355-02	1.5" to 2"	5" to 6"	#2 AWG	24"

- Integral component of a fence grounding system.
- Helps eliminate dangerous touch potential.
- Used when it is not feasible to exothermically bond to fence/gate posts.
- Flex jumper assemblies use #2 AWG welding cable.

GROUNDING PRODUCTS

FENCE FABRIC GROUND CLAMPS

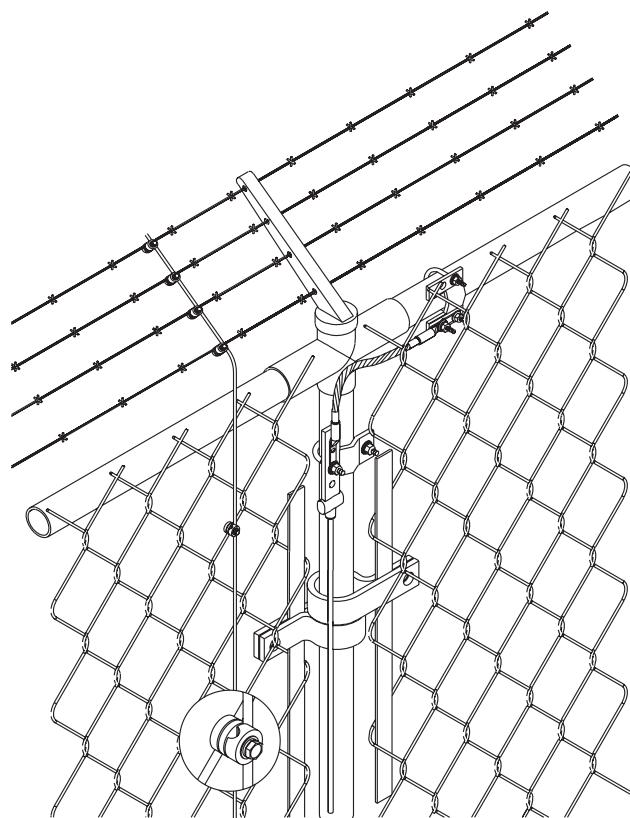
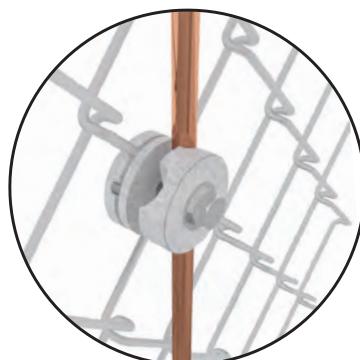
Catalog Number	Conductor Size
38-6354-00	#2
38-6354-02	#8
38-6354-03	#6
38-6354-04	#4
38-6354-05	2/0

- Unique design allows clamp to form connections at most any angle.
- Specific uses include connection to both fence fabric and barbed wire.
- The conductor maintains a direct path to ground while connected to an object that is parallel, perpendicular or in any degree in between.
- Electroplated tinned brass clamp comes complete with stainless steel hardware.
- Allows for use with most metallic surfaces including galvanized.
- Other sizes available. Contact the factory for details.



Fence Ground System

Fence grounding systems are designed to provide protection against dangerous "touch" potentials. The Fence Fabric Ground Clamp is an integral component of this personnel safety system.

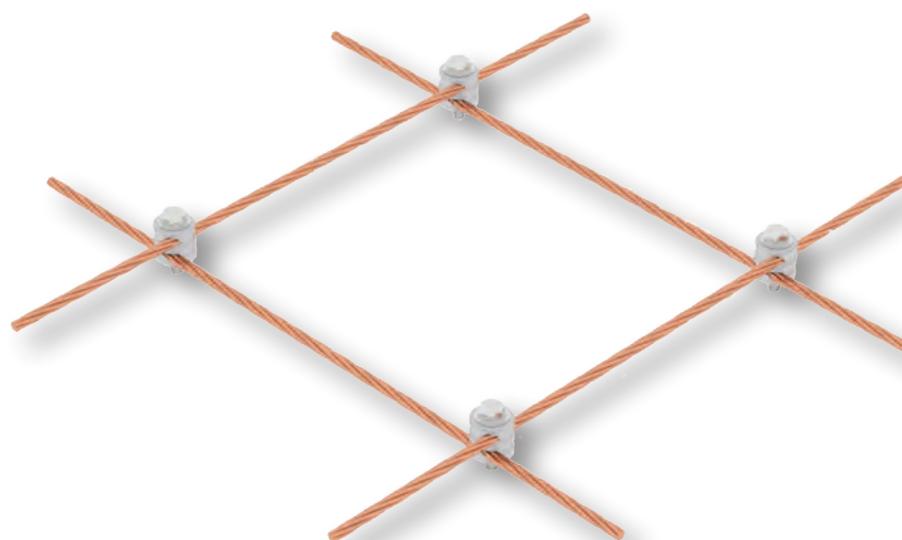


COMPUTER ROOM GROUND CLAMPS

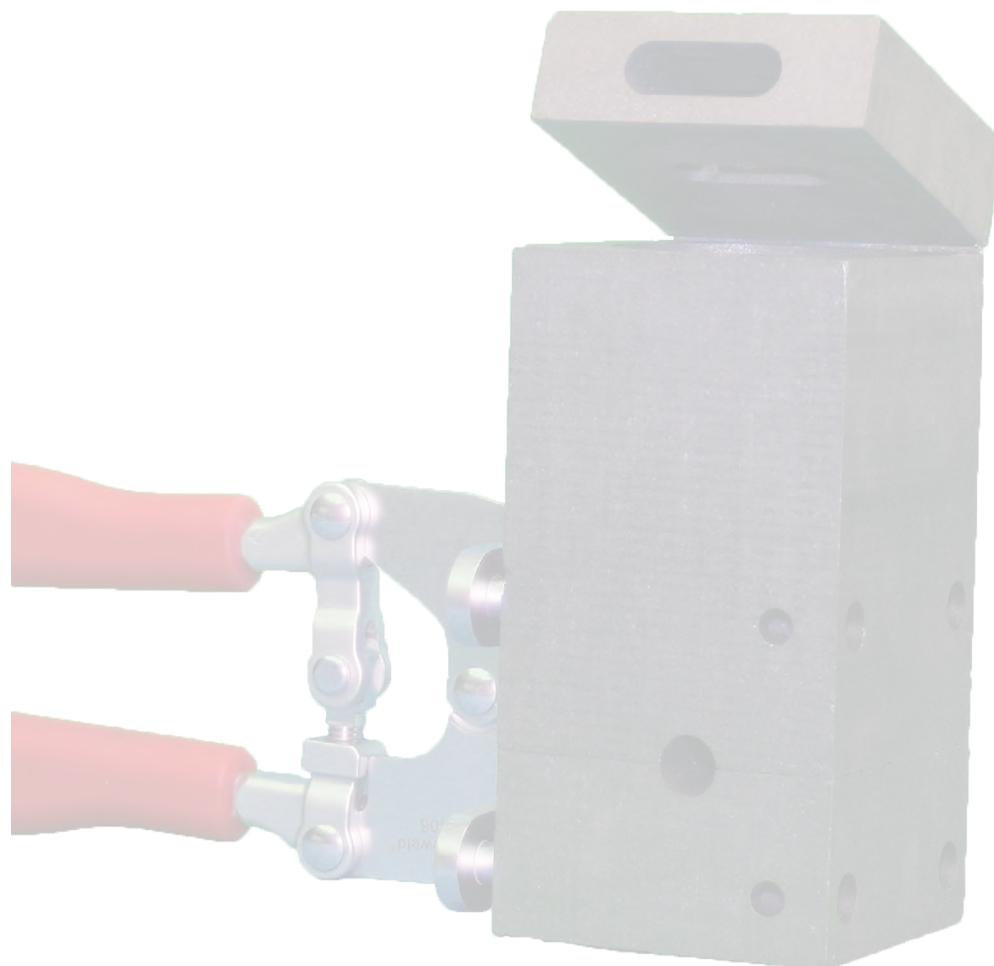


Catalog Number	Conductor Size
38-6348-00	#6 STR
38-6348-01	#4 STR
38-6348-02	#2 STR

Used when welded connections are not feasible.
Unique design allows clamps to form connections at most any angle.
Specific uses include fabrication under an existing computer room floor.



CATHODIC PROTECTION



Section 9 -
Cathodic Protection

Section 9

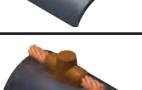
Cathodic Protection

Description	Page #
Cable to Steel Connections	9-207
Cable to Cast Iron Connections	9-209
Cable to Steel Connections	9-210
Cable to Cast Iron Connections	9-212
Cable to Steel Connections	9-213
Cable to Cast Iron Connections	9-214
Cable to Steel Connections	9-215
Cable to Cast Iron Connections	9-216
Cathodic Protection Cable	9-217
Jumper Bonds.....	9-219
Strap Bonds.....	9-221
AC Mitigation Mats.....	9-221
Cable to Cable Connections.....	9-224
Cable to Lug Connections	9-226
Cable to Ground Rod Connections.....	9-227
CP Kit.....	9-228
Hammer Dies	9-228
Ci thermOcap®	9-229
CP Molds with Magnetic Mold Support.....	9-230
CP Same Day Service.....	9-231

Section 9 -
Cathodic Protection

CATHODIC PROTECTION

Weld Type

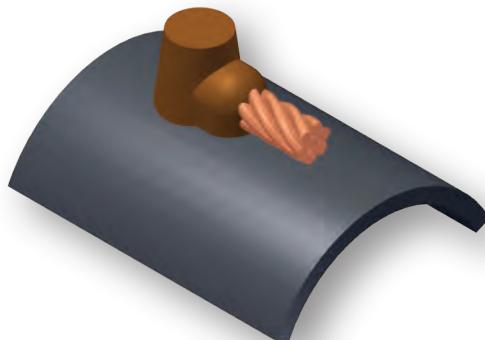
	CB-1
	CC-1
	CC-2
	CC-6
	CR-1
	CR-2
	CS-32
	CS-33
	CS-34
	CS-35
	CS-36
	CS-37

Weld Type

	CP Kit
	thermOcap
	Magnetic Mold Support
	CP Weld Metal
	Cathodic Protection Cable
	Jumper Bonds
	Strap Bonds
	AC Mitigation Mats
	Hammer Dies

CATHODIC PROTECTION

Cathodic Steel Pipe Exothermic Weld Video:
link: <https://youtu.be/OybPeVq4umE>



NOTE

Welding To Ductile Iron Pipe: When welding to ductile iron pipe, use weld metal and molds designated for cast iron.

CS-32

TYPE MOLDS

*Cathodic Protection
Horizontal Cable to Horizontal Steel Surface
For AWG Conductors*

MOLDS FOR AWG CONDUCTORS						
Cable Size	Surface	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6 Sol‡	Flat (4" & Larger pipe)	M-100	3†	15CP	SDS	SDS
	3/4" to 3 1/2" pipe	M-101	3†	15CP		
#6	Flat (4" & Larger pipe)	M-102	3†	15CP	SDS	2
	3/4" to 3 1/2" pipe	M-103	3†	15CP		
#4 Sol	Flat (6" & Larger pipe)	M-104	3†	15CP	SDS	2
	3/4" to 3 1/2" pipe	M-105	3†	15CP		
	4" to 5" pipe	M-130	3†	15CP		
#4	Flat (6" & Larger pipe)	M-106	3†	15CP	SDS	2
	3/4" to 3 1/2" pipe	M-107	3†	15CP		
	4" to 5" pipe	M-108	3†	15CP		
#2 Sol	Flat (10" & Larger pipe)	M-109	3†	25CP	Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 9-230	2
	1" to 3 1/2" pipe	M-110	3†	25CP		
	4" to 8" pipe	M-111	3†	25CP		
#2	Flat (10" & Larger pipe)	M-112	3†	32CP	Included	2
	1" to 3 1/2" pipe	M-113	3†	32CP		
	4" to 8" pipe	M-114	3†	32CP		
	10" to 14" pipe	M-115	3†	32CP		
#1	Flat (16" & Larger pipe)	M-116	3†	45CP	Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 9-230	2
	1 1/2" to 3 1/2" pipe	M-117	3†	45CP		
	4" to 8" pipe	M-118	3†	45CP		
	10" to 14" pipe	M-119	3†	45CP		
1/0	Flat (20" & Larger pipe)	M-120	3†	65CP	Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 9-230	2
	2 1/2" to 3 1/2" pipe	M-121	3†	65CP		
	4" to 8" pipe	M-122	3†	65CP		
	10" to 18" pipe	M-123	3†	65CP		
2/0	Flat (20" & Larger pipe)	M-124	3†	65CP	Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 9-230	2
	2 1/2" to 3 1/2" pipe	M-125	3†	65CP		
	4" to 8" pipe	M-126	3†	65CP		
	10" to 18" pipe	M-127	3†	65CP		

‡ For Wire Size #14 to #10 Solid, 38-0200-00 Sleeve/Weld Req'd

<ul style="list-style-type: none"> For sizes not listed, contact thermoweld®. Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors. For expedited service, contact thermoweld®. To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number. Required Tools: Handle Clamps w/ Flint Ignitor (see chart for correct handles) † ~ Sold complete with frame If frame not required, specify MOLD NUMBER followed by suffix "-G" 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote® Other recommended accessories; 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 38-3922-00 ~ Mold Cleaning Brush 38-0135-00 ~ Cable Cleaning Brush 38-0101-00 ~ Rasp 38-4129-00 ~ Packing Material for 1/0 & Larger Molds

Section 9 -
Cathodic Protection

CATHODIC PROTECTION

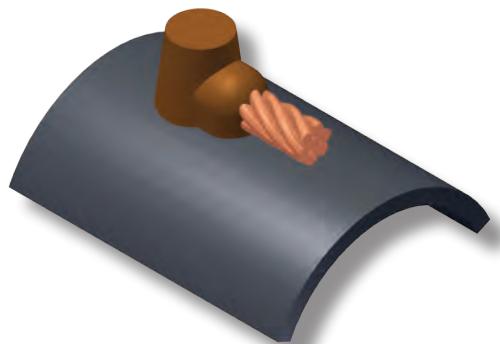
CS-32

TYPE MOLDS

Cathodic Protection

Horizontal Cable to Horizontal Steel Pipe

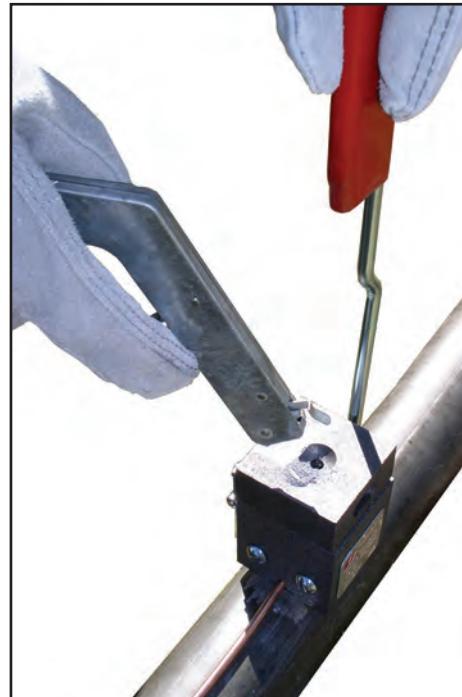
For Metric Conductors



MOLDS FOR METRIC CONDUCTORS						
Cable Size (mm ²)	Pipe Dia. in mm	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2.5, 4 & 6	up to 125	M-4146‡	3†	15CP	Included Optional: Magnetic Mold Support, Catalog Number 40-7220-00, See Page 9-230	2
2.5, 4 & 6	over 125	M-4147‡	3†	15CP		2
10	up to 125	M-4148	3†	15CP	Included Optional: Magnetic Mold Support, Catalog Number 40-7220-00, See Page 9-230	2
	over 125	M-4149	3†	15CP		2
16	up to 125	M-4146	3†	15CP	Included Optional: Magnetic Mold Support, Catalog Number 40-7220-00, See Page 9-230	2
	over 125	M-4147	3†	15CP		2
25	up to 70	M-4152	3†	25CP	Included Optional: Magnetic Mold Support, Catalog Number 40-7220-00, See Page 9-230	2
	70 to 165	M-4153	3†	25CP		2
	over 165	M-4154	3†	25CP		2
30	up to 70	M-2833	3†	32CP	Included Optional: Magnetic Mold Support, Catalog Number 40-7220-00, See Page 9-230	4
	70 to 165	M-2834	3†	32CP		4
	165 to 250	M-2835	3†	32CP		4
	over 250	M-2836	3†	32CP		4
35	up to 70	M-4155	3†	32CP	Included Optional: Magnetic Mold Support, Catalog Number 40-7220-00, See Page 9-230	2
	70 to 165	M-4156	3†	32CP		2
	165 to 250	M-4157	3†	32CP		2
	over 250	M-4158	3†	32CP		2
50	up to 70	M-4159	3†	45CP	Included Optional: Magnetic Mold Support, Catalog Number 40-7220-00, See Page 9-230	4
	70 to 165	M-4160	3†	45CP		2
	165 to 250	M-4161	3†	45CP		2
	over 250	M-4162	3†	45CP		2
70	up to 70	M-4163	3†	65CP	Included Optional: Magnetic Mold Support, Catalog Number 40-7220-00, See Page 9-230	2
	70 to 165	M-4164	3†	65CP		2
	165 to 250	M-4165	3†	65CP		2
	over 250	M-4166	3†	65CP		2

‡ 38-4590 Sleeve/Weld Req'd

Optional: Magnetic Mold Support, Catalog Number 40-7220-00,
See Page 9-230



- For sizes not listed, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
† ~ Sold complete with frame
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
(Price Key 3 Molds Only)
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp
38-4129-00 ~ Packing Material for 50 mm² & Larger Molds

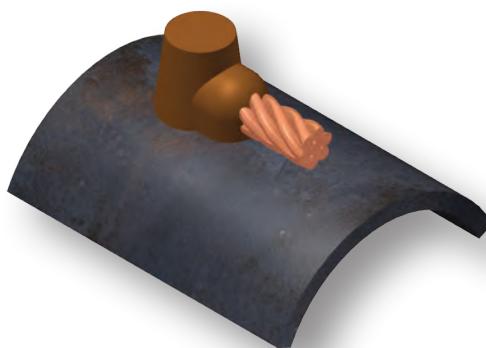
APPLICATION NOTES:

When specifying and applying thermOweld® products for cathodic protection of buried piping systems, it is the specifier and buyer's responsibility to respect the following ASME guidelines in conjunction with ASTM, NACE and applicable country, state, municipality and local guidelines:

ASME B31.8-2000, "Gas Transmission and Distribution Piping Systems"
862.115 Para (b)1 (steel pipe) 15 grams maximum weld metal cartridge

ASME B31.8-2000, "Gas Transmission and Distribution Piping Systems"
862.223 Para (a) (ductile / cast iron pipe) 32 grams maximum weld metal cartridge

CATHODIC PROTECTION



CS-33

TYPE MOLDS

*Cathodic Protection
Horizontal Cable to
Horizontal Cast Iron Surface
For AWG Conductors*

- For sizes not listed, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 50 mm² & Larger Molds

MOLDS FOR AWG CONDUCTORS							
Cable Size	Surface	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
#6 Sol‡	Flat (30" & larger pipe)	M-156	3†	25CI		SDS	
#6	Flat (30" & larger pipe)	M-157	3†	25CI		2	
#4 Sol	Flat (30" & larger pipe)	M-158	3†	45CI		2	
#4	Flat (30" & larger pipe)	M-159	3†	45CI		2	
#2 Sol	Flat (30" & larger pipe)	M-160	3†	45CI		2	
#2	Flat (30" & larger pipe)	M-161	3†	45CI		2	
#1	Flat (30" & larger pipe)	M-163	3†	65CI		2	

‡ For Wire Size #14 to #10 Solid, 38-0200-00 Sleeve/Weld Req'd

Welding To Horizontal Pipe: To weld to 4" to 24" horizontal pipe, add pipe size to mold number. Example: To weld #1 str cable to 6" horizontal pipe, the mold number would be M-163-6. To weld to pipe 30" and larger, use flat surface mold.

CS-33

TYPE MOLDS

*Cathodic Protection
Horizontal Cable to Horizontal Cast Iron Pipe For
Metric Conductors*

MOLDS FOR METRIC CONDUCTORS						
Cable Size (mm ²)	Pipe Dia. in mm	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2.5, 4 & 6	Flat Surface	M-4188‡	3†	25CI	Included	2
10		M-10024	3†	25CI	Optional:	2
16	or	M-10805	3†	45CI	Magnetic Mold Support, Catalog Number 40-7202-00, See Page 136	4
25	750 Dia	M-4191	3†	45CI		2
35	and	M-4192	3†	45CI		2
50	above	M-4193	3†	45CI		4
70	pipe	M-2868	3†	65CI		4

‡ 38-4590 Sleeve/Weld Req'd

DO NOT use Type CS-33 molds on Soil Pipe (ASTM A74-82).
A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.



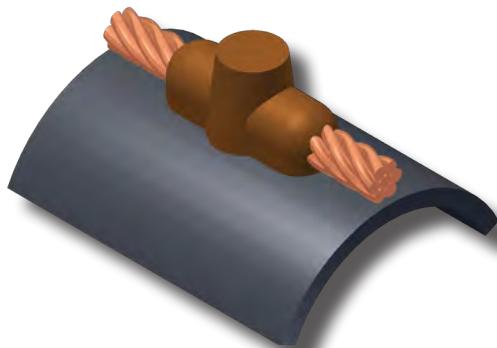
Section 9 -
Cathodic Protection

CATHODIC PROTECTION

CS-34

TYPE MOLDS

Cathodic Protection
Horizontal Thru Cable to
Horizontal Steel Surface
For AWG Conductors



NOTE

Welding To Ductile Iron Pipe: When welding to ductile iron pipe, use weld metal and molds designated for cast iron.



Section 9 -
Cathodic Protection

MOLDS FOR AWG CONDUCTORS						
Cable Size	Surface	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6 Sol‡	Flat (12" & Larger pipe)	M-1955	3	25CP		2
	3/4" to 2" pipe	M-5666	3	25CP		2
	2 1/2" to 5" pipe	M-3097	3	25CP		2
	6" to 10" pipe	M-3141	3	25CP		2
#6	Flat (12" & Larger pipe)	M-5661	3	25CP		2
	3/4" to 2" pipe	M-5662	3	25CP		4
	2 1/2" to 5" pipe	M-5663	3	25CP		2
	6" to 10" pipe	M-5664	3	25CP		2
#4 Sol	Flat (12" & Larger pipe)	M-1956	3	25CP		4
	3/4" to 2" pipe	M-1957	3	25CP		2
	2 1/2" to 5" pipe	M-1958	3	25CP		2
	6" to 10" pipe	M-1966	3	25CP		4
#4	Flat (12" & Larger pipe)	M-6000	3	25CP		2
	3/4" to 2" pipe	M-1967	3	25CP		2
	2 1/2" to 5" pipe	M-5501	3	25CP		2
	6" to 10" pipe	M-5503	3	25CP		2
#2 Sol	Flat (14" & Larger pipe)	M-5505	3	32CP		4
	2" to 3 1/2" pipe	M-5507	3	32CP		4
	4" to 8" pipe	M-5510	3	32CP		2
	10" to 16" pipe	M-5514	3	32CP		2
#2	Flat (14" & Larger pipe)	M-5518	3	45CP		2
	2" to 3 1/2" pipe	M-5986	3	45CP		2
	4" to 8" pipe	M-5605	3	45CP		4
	10" to 16" pipe	M-5988	3	45CP		4
#1	Flat (18" & Larger pipe)	M-5519	3	45CP		4
	2" to 3 1/2" pipe	M-5520	3	45CP		4
	4" to 8" pipe	M-5521	3	45CP		4
	10" to 16" pipe	M-5523	3	45CP		4
1/0	Flat (30" & Larger pipe)	M-5524	3	65CP		4
	3" to 4" pipe	M-5525	3	65CP		4
	5" to 6" pipe	M-5526	3	65CP		4
	8" to 10" pipe	M-5527	3	65CP		2
	12" to 28" pipe	M-5529	3	65CP		4
2/0	Flat (30" & Larger pipe)	M-6251	3	65CP		4
	3" to 4" pipe	M-5530	3	65CP		4
	5" to 6" pipe	M-5531	3	65CP		4
	8" to 10" pipe	M-5532	3	65CP		2
	12" to 28" pipe	M-5533	3	65CP		4

‡ For Wire Size #14 to #10 Solid, (2) 38-0200-00 Sleeves/Weld Req'd

Optional: Magnetic Mold Support, Catalog Number 40-7202-00
Included

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame If frame not required, specify MOLD NUMBER followed by suffix "-G"
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 1/0 & Larger Molds

CATHODIC PROTECTION

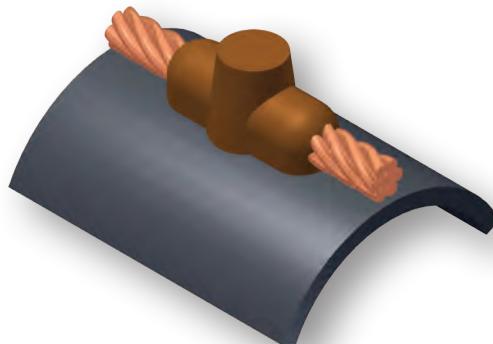
CS-34

TYPE MOLDS

Cathodic Protection

Horizontal Thru Cable to Horizontal Steel Pipe

For Metric Conductors



MOLDS FOR METRIC CONDUCTORS							
Cable Size (mm ²)	Pipe Dia. in mm	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00
2.5, 4 & 6	up to 105	M-4167‡	3†	25CP	2		
2.5, 4 & 6	over 105	M-4168‡	3†	25CP	2		
10	up to 105	M-10806	3†	25CP	4	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00	
	over 105	M-10807	3†	25CP	4		
16	up to 105	M-10808	3†	25CP	4	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00	
	over 105	M-10809	3†	25CP	2		
25	up to 70	M-4173	3†	32CP	4	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00	
	70 to 165	M-4174	3†	32CP	4		
	over 165	M-4175	3†	32CP	2		
35	up to 70	M-4176	3†	45CP	2	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00	
	70 to 165	M-4177	3†	45CP	2		
	165 to 250	M-4178	3†	45CP	2		
	over 250	M-4179	3†	45CP	2		
50	up to 70	M-4180	3†	65CP	4	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00	
	70 to 165	M-4181	3†	65CP	4		
	165 to 250	M-4182	3†	65CP	4		
	over 250	M-4183	3†	65CP	2		

‡ (2) 38-4590 Sleeve/Weld Req'd

**Section 9 -
Cathodic Protection**

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
† ~ Sold complete with frame. If frame not required, specify MOLD NUMBER followed by suffix "-G"
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp
38-4129-00 ~ Packing Material for 1/0 & Larger Molds

CATHODIC PROTECTION

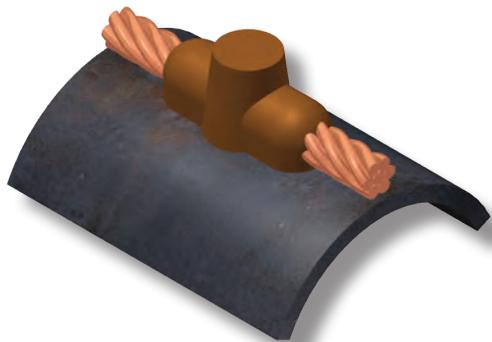
CS-35

TYPE MOLDS

Cathodic Protection

Horizontal Thru Cable to Horizontal Cast Iron Pipe

For Metric Conductors



MOLDS FOR METRIC CONDUCTORS						
Cable Size (mm ²)	Pipe Dia. in mm	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2.5, 4 & 6	Flat	M-2876‡	3†	32CI	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00	4
10	Surface	M-10810	3†	32CI		4
16	or	M-10811	3†	45CI		4
25	750 Dia	M-2884	3†	45CI		4
35	&	M-2887	3†	45CI		2
50	larger	M-2889	3†	65CI		4
70	pipe	M-2890	3†	65CI		4

‡ (2) 38-4590 Sleeve/Weld Req'd

DO NOT use Type CS-35 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

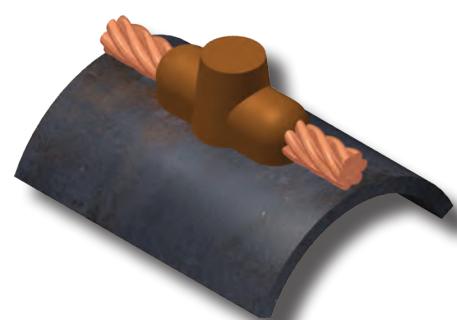
CS-35

TYPE MOLDS

Cathodic Protection

Horizontal Thru Cable to Horizontal Cast Iron Pipe

For AWG Conductors



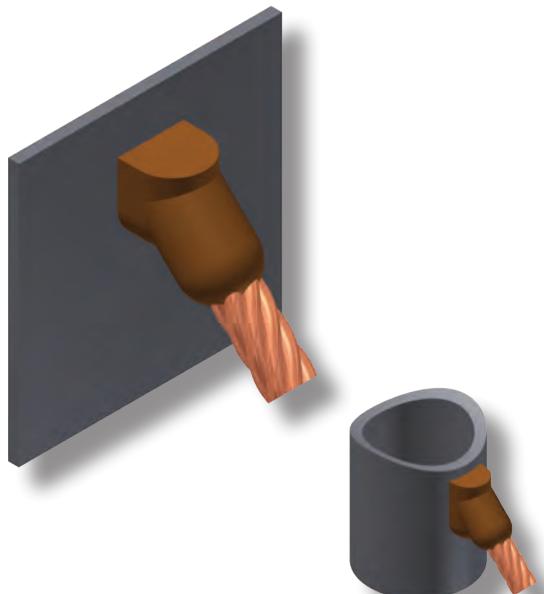
MOLDS FOR AWG CONDUCTORS						
Cable Size	Surface	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6 Sol‡	Flat surface or 30" Dia. & larger pipe	M-5316	3	32CI	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00	4
#6		M-5535	3	32CI		4
#4 Sol		M-5536	3	45CI		4
#4		M-5537	3	45CI		2
#2 Sol		M-5538	3	45CI		4
#2		M-5540	3	45CI		2
#1		M-5542	3	65CI		4

‡ For Wire Size #14 to #10 Solid, (2) 38-0200-00 Sleeves/Weld Req'd

Welding To Horizontal Pipe: To weld to 4" to 24" horizontal pipe, add pipe size to mold number. Example: To weld #1 str cable to 6" horizontal pipe, the mold number would be M-163-6. To weld to pipe 30" and larger, use flat surface mold.

- For sizes not listed, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
† ~ Sold complete with frame If frame not required, specify MOLD NUMBER followed by suffix "-G"
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3 Molds Only)
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp
38-4129-00 ~ Packing Material for 50 mm² & Larger Molds

CATHODIC PROTECTION



For connections to pipe,
contact thermOweld®.

CS-36

TYPE MOLDS

Cathodic Protection
Angular Cable Drop to Vertical Steel Surface
For Metric Conductors

MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	M-10721	18†	15CP	40-4565-00	2
16	M-10722	18†	25CP	40-4565-00	2
25	M-4274	18†	32CP	40-4565-00	2
30	M-10723	18†	32CP	40-4565-00	4
35	M-9878	18†	32CP	40-4565-00	2
50	M-10724	18†	65CP	40-4565-00	4
70	M-10725	18†	65CP	40-4565-00	4

CS-36

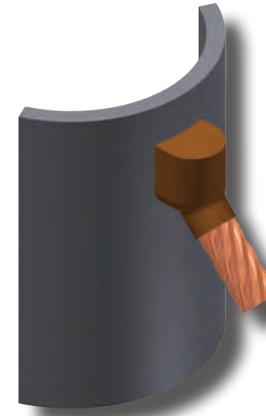
TYPE MOLDS

Cathodic Protection
Cable to Vertical Steel Surface
For AWG Conductors

MOLDS FOR AWG CONDUCTORS						
Cable Size	Surface	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6 Sol‡	Flat (12" & Larger pipe)	M-142	18†	15CP	40-4565-00	2
	3/4" to 3 1/2" pipe	M-150	18†	15CP	40-4565-00	2
	4" to 10" pipe	M-151	18†	15CP	40-4565-00	2
#6	Flat (12" & Larger pipe)	M-144	18†	15CP	40-4565-00	2
	3/4" to 3 1/2" pipe	M-152	18†	15CP	40-4565-00	2
	4" to 10" pipe	M-153	18†	15CP	40-4565-00	2
#4 Sol	Flat (12" & Larger pipe)	M-145	18†	25CP	40-4565-00	2
	3/4" to 1 1/2" pipe	M-186	18†	25CP	40-4565-00	2
	2" to 4" pipe	M-187	18†	25CP	40-4565-00	2
	5" to 10" pipe	M-188	18†	25CP	40-4565-00	2
#4	Flat (12" & Larger pipe)	M-146	18†	25CP	40-4565-00	2
	3/4" to 1 1/2" pipe	M-189	18†	25CP	40-4565-00	2
	2" to 4" pipe	M-190	18†	25CP	40-4565-00	2
	5" to 10" pipe	M-191	18†	25CP	40-4565-00	2
	Flat (14" & Larger pipe)	M-147	18†	25CP	40-4565-00	2
#2 Sol	1" to 1 1/2" pipe	M-192	18†	25CP	40-4565-00	2
	2" to 4" pipe	M-193	18†	25CP	40-4565-00	2
	5" to 12" pipe	M-194	18†	25CP	40-4565-00	2
	Flat (14" & Larger pipe)	M-148	18†	32CP	40-4565-00	2
#2	1" to 1 1/2" pipe	M-195	18†	32CP	40-4565-00	2
	2" to 3" pipe	M-196	18†	32CP	40-4565-00	2
	4" to 6" pipe	M-197	18†	32CP	40-4565-00	2
	8" to 12" pipe	M-198	18†	32CP	40-4565-00	2
	Flat (18" & Larger pipe)	M-6117	19†	45CP	40-4565-00	4
#1	1 1/2" to 2 1/2" pipe	M-6118	19†	45CP	40-4565-00	2
	3" to 4" pipe	M-6119	19†	45CP	40-4565-00	2
	5" to 10" pipe	M-6120	19†	45CP	40-4565-00	2
	12" to 16" pipe	M-6121	19†	45CP	40-4565-00	2

† For Wire Size #14 to #10 Solid, 38-0200-00 Sleeve/Weld Req'd

Welding To Horizontal Pipe: To weld to 4" to 24" horizontal pipe, add pipe size to mold number. Example: To weld #1 str cable to 6" horizontal pipe, the mold number would be M-163-6. To weld to pipe 30" and larger, use flat surface mold.



NOTE

Welding To Ductile Iron Pipe: When welding to ductile iron pipe, use weld metal and molds designated for cast iron.

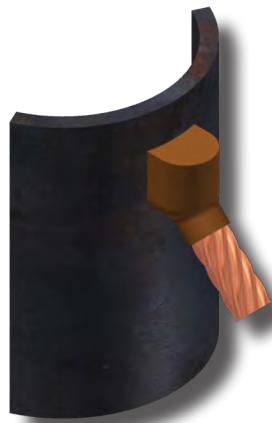
Section 9 -
Cathodic Protection

CATHODIC PROTECTION

CS-37

TYPE MOLDS

**Cathodic Protection
Cable to Vertical Cast Iron
For AWG Conductors**



DO NOT use Type CS-37 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

MOLDS FOR AWG CONDUCTORS						
Cable Size	Surface	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6 Sol#	Flat (30" & larger pipe)	M-2594-S	18 †	25CI	40-4565-00	2
#6	Flat (30" & larger pipe)	M-2594	18 †	25CI	40-4565-00	2
#4 Sol	Flat (30" & larger pipe)	M-2595-S	18 †	32CI	40-4565-00	4
#4	Flat (30" & larger pipe)	M-2595	18 †	32CI	40-4565-00	2
#2 Sol	Flat (30" & larger pipe)	M-2596-S	19 †	45CI	40-4565-00	4
#2	Flat (30" & larger pipe)	M-2596	19 †	45CI	40-4565-00	2
#1	Flat (30" & larger pipe)	M-2597	19 †	65CI	40-4565-00	4

† For Wire Size #14 to #10 Solid, 38-0200-00 Sleeve/Weld Req'd

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
† ~ Sold complete with handles. If not required, specify MOLD NUMBER followed by suffix “-G”.
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp

Welding To Vertical Pipe (CS-37 only): To weld to 4" to 24" vertical pipe, add pipe size to mold number. Example: To weld #1 str cable to 6" vertical pipe, the mold number would be M-2597-V6. To weld to pipe 30" and larger, use flat surface mold.

CS-37

TYPE MOLDS

**Cathodic Protection
Angular Cable Drop to Vertical Cast Iron Surface
For Metric Conductors**

MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	M-10726	18	45CI	40-4565-00	4
16	M-10727	18	45CI	40-4565-00	4
25	M-10728	18	45CI	40-4565-00	4
30	M-10729	18	45CI	40-4565-00	4
35	M-10730	18	45CI	40-4565-00	4
8 mm Ø	M-10731	18	65CI	40-4565-00	4
50	M-10732	18	65CI	40-4565-00	2
10 mm Ø	M-10733	18	65CI	40-4565-00	4
70	M-10734	18	2-45CI	40-4565-00	4

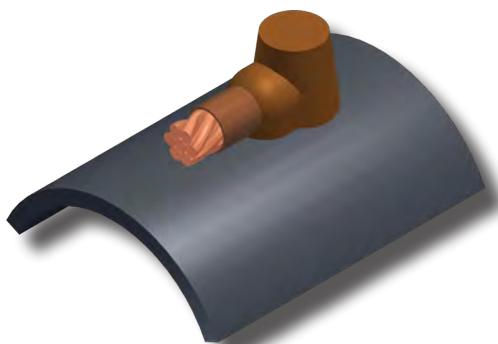


For connections to pipe,
contact thermOweld®.



DO NOT use Type CS-37 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

CATHODIC PROTECTION



CS-48

TYPE MOLDS

Cathodic Protection

Field Made Bond to Horizontal Steel Surface

For AWG Conductors

MOLDS FOR AWG CONDUCTORS

CS-48 MOLD INFORMATION FOR STEEL PIPE

Bond Size	Surface	Mold #	Price Key	Weld Metal	Copper Adapter Sleeves	Hammer Die	Handle Clamps	Lead Time
#8	4" pipe	M-11379	3†	15CP	38-0201-00	38-6019-00		4
	6" to 8" pipe	M-11380	3†	15CP				4
	10" & Larger pipe	M-7339	3†	15CP				4
#6	4" pipe	M-7343	3†	15CP	38-0202-00	38-6020-00		4
	6" to 8" pipe	M-7344	3†	15CP				4
	10" & Larger pipe	M-7342	3†	15CP				2
#4	4" pipe	M-7346	3†	25CP	38-0204-00	38-4859-00		4
	6" to 8" pipe	M-7347	3†	25CP				2
	10" & Larger pipe	M-7345	3†	25CP				2
#2	4" pipe	M-7336	3†	25CP	38-0203-00	38-0310-00		2
	6" to 8" pipe	M-131	3†	25CP				2
	10" & Larger pipe	M-129	3†	25CP				2
#1	4" pipe	M-7349	3†	32CP	38-0209-00	38-0392-00		4
	6" to 8" pipe	M-7350	3†	32CP				4
	10" & Larger pipe	M-7348	3†	32CP				2
1/0	4" pipe	M-7337	3†	32CP	38-0205-00	38-0311-00		4
	6" to 8" pipe	M-134	3†	32CP				4
	10" & Larger pipe	M-132	3†	32CP				2
2/0	4" pipe	M-7338	3†	45CP	38-0240-00	38-0312-00		4
	6" to 8" pipe	M-137	3†	45CP				4
	10" & Larger pipe	M-135	3†	45CP				4

Included
Optional: Magnetic Mold Support, Catalog Number 40-7202-00

DO NOT use Type CS-49 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame If frame not required, specify MOLD NUMBER followed by suffix "-G"
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 1/0 & Larger Molds

**Section 9 -
Cathodic Protection**

CATHODIC PROTECTION

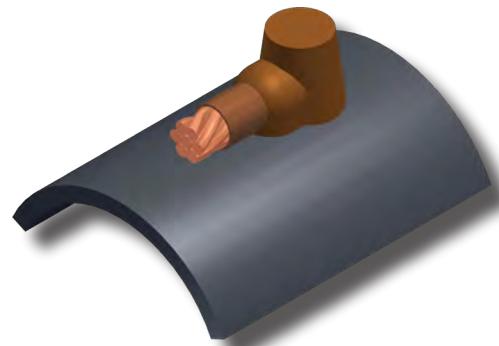
CS-49

TYPE MOLDS

Cathodic Protection

Field Made Bond to Cast Iron Surface

For AWG Conductors



MOLDS FOR AWG CONDUCTORS									
CS-49 MOLD INFORMATION FOR CAST IRON PIPE									
Bond Size	Surface	Mold #	Price Key	Weld Metal	Copper Adapter Sleeves	Hammer Die	Handle Clamps	Lead Time	Optional: Magnetic Mold Support, Catalog Number 40-7202-00
#8	4" to 24" pipe: Replace P.S. with Pipe Size (Ex. M-7351-4 for 4" Pipe)	M-7351-P.S.	3†	25CI	38-0201-00	38-6019-00	2	2	
	30" & Larger pipe	M-7351	3†	25CI					
#6	4" to 24" pipe: Replace P.S. with Pipe Size (Ex. M-7352-4 for 4" Pipe)	M-7352-P.S.	3†	25CI	38-0202-00	38-6020-00	2	2	
	30" & Larger pipe	M-7352	3†	25CI					
#4	4" to 24" pipe: Replace P.S. with Pipe Size (Ex. M-0154-4 for 4" Pipe)	M-154-P.S.	3†	32CI	38-0204-00	38-4859-00	2	2	
	30" & Larger pipe	M-154	3†	32CI					
#2	4" to 24" pipe: Replace P.S. with Pipe Size (Ex. M-0175-4 for 4" Pipe)	M-175-P.S.	3†	32CI	38-0203-00	38-0310-00	4	2	
	30" & Larger pipe	M-175	3†	32CI					
#1	4" to 24" pipe: Replace P.S. with Pipe Size (Ex. M-7354-4 for 4" Pipe)	M-7354-P.S.	3†	45CI	38-0209-00	38-0392-00	4	4	
	30" & Larger pipe	M-7354	3†	45CI					
1/0	4" to 24" pipe: Replace P.S. with Pipe Size (Ex. M-5809-4 for 4" Pipe)	M-5809-P.S.	3†	45CI	38-0205-00	38-0311-00	2	2	
	30" & Larger pipe	M-5809	3†	45CI					
2/0	4" to 24" pipe: Replace P.S. with Pipe Size (Ex. M-7355-4 for 4" Pipe)	M-7355-P.S.	3†	45CI	38-0240-00	38-0312-00	4	4	
	30" & Larger pipe	M-7355	3†	45CI					

DO NOT use Type CS-49 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame. If frame not required, specify MOLD NUMBER followed by suffix "-G"
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 1/0 & Larger Molds

CATHODIC PROTECTION CABLE

Continental Cathodic Protection Cable is designed with durable high molecular weight polyethylene to withstand harsh direct burial conditions. Continental products perform exceptionally in cathodic systems for oil tanks, pipelines, wells, ocean vessels, and steel structures.



Features:

- Direct Burial use
- Abrasion Resistant
- Oil Resistant
- Crush Resistant
- Available in 500' and 1000' spools (other spool length available upon request)

High molecular polyethylene (HMW/PE)

COPPER CONDUCTOR SIZE	1/0	2 AWG	4 AWG	6 AWG	8 AWG
ITEM NUMBER	36-7716-01	TBD	36-7715-01	36-7714-01	36-7713-01
STRANDING	19	7	7	7	7
JACKET MATERIAL	HMW/PE	HMW/PE	HMW/PE	HMW/PE	HMW/PE
JACKET THICKNESS (IN)	.125"	.110"	.110"	.110"	.110"
INSULATING MATERIAL	N/A	N/A	N/A	N/A	N/A
INSULATING THICKNESS	N/A	N/A	N/A	N/A	N/A
FINISHED O.D. (IN)	.681"	.514"	.453"	.414"	.369"
WEIGHT (PER 1000 FT.)	405 LBS	284 LBS	175 LBS	122 LBS	87 LBS
TEMPERATURE RATING	75°C	75°C	75°C	75°C	75°C
OPERATING VOLTAGE	600v	600v	600v	600v	600v

Applicable ASTM Standards: ASTM B-8, ASTM D1248.

Continental Industries - HMWPE Cathodic Protection Cable 600v Direct Burial Use

Section 6 -
Cathodic Protection

Visit www.thermoweld.com for training videos.

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CATHODIC PROTECTION

CATHODIC PROTECTION CABLE



Section 9 - Cathodic Protection

HMW/PE jacket with Halar (ECTFE) insulation

COPPER CONDUCTOR SIZE	1/0	2 AWG	4 AWG	6 AWG	8 AWG
ITEM NUMBER	TBD	TBD	TBD	TBD	TBD
STRANDING	19	7	7	7	7
JACKET MATERIAL	HMW/PE	HMW/PE	HMW/PE	HMW/PE	HMW/PE
JACKET THICKNESS (IN)	.065"	.065"	.065"	.065"	.065"
INSULATING MATERIAL	HALAR	HALAR	HALAR	HALAR	HALAR
INSULATING THICKNESS	.020"	.020"	.020"	.020"	.020"
FINISHED NOMINAL O.D. (IN)	.59"	.46"	.42"	.35"	.32"
WEIGHT (PER 1000 FT.)	373 LBS	251 LBS	167 LBS	115 LBS	98 LBS
TEMPERATURE RATING	75°C	75°C	75°C	75°C	75°C
VOLTAGE RATING	600v	600v	600v	600v	600v

Applicable ASTM Standards: ASTM B-1, B-3, B-8, B-33, B-172, and B-173 for soft drawn annealed copper conductors. ASTM D1248, D-638, D-639, D-792, D-257, NEMA WC-5, ICEA S-61-402, IEC 60502 for HMWPE. All conductors per UL83.

HMW/PE with Kynar (PVDF) insulation

COPPER CONDUCTOR SIZE	1/0	2 AWG	4 AWG	6 AWG	8 AWG
ITEM NUMBER	TBD	TBD	TBD	TBD	TBD
STRANDING	19	7	7	7	7
JACKET MATERIAL	HMW/PE	HMW/PE	HMW/PE	HMW/PE	HMW/PE
JACKET THICKNESS (IN)	.065"	.065"	.065"	.065"	.065"
INSULATING MATERIAL	PVDF	PVDF	PVDF	PVDF	PVDF
INSULATING THICKNESS (IN)	.020"	.020"	.020"	.020"	.020"
FINISHED NOMINAL O.D. (IN)	.59"	.46"	.42"	.35"	.32"
WEIGHT (PER 1000 FT.)	374 LBS	252 LBS	168 LBS	116 LBS	99 LBS
TEMPERATURE RATING	75°C	75°C	75°C	75°C	75°C
VOLTAGE RATING	600v	600v	600v	600v	600v

Applicable ASTM Standards: ASTM B-1, B-3, B-8, B-33, B-172, and B-173 for soft drawn annealed copper conductors. ASTM D1248, D-638, D-639, D-792, D-257, NEMA WC-5, ICEA S-61-402, IEC 60502 for HMWPE. All conductors per UL83.

JUMPER BONDS

Factory made jumper bonds come in multiple wire gauge, length, and end configurations; without sleeves, rounded sleeves, and formed sleeves.



Jumper Bond without Sleeve

Part Number	Description
27-6997-18	#2 AWG HMW.PE x 18" Long w/out Sleeves
27-6997-24	#2 AWG HMW.PE x 24" Long w/out Sleeves
27-6997-36	#2 AWG HMW.PE x 36" Long w/out Sleeves
27-6997-48	#2 AWG HMW.PE x 48" Long w/out Sleeves
27-6523-18	#4 AWG HMW.PE x 18" Long w/out Sleeves
27-6523-24	#4 AWG HMW.PE x 24" Long w/out Sleeves
27-6523-36	#4 AWG HMW.PE x 36" Long w/out Sleeves
27-6523-48	#4 AWG HMW.PE x 48" Long w/out Sleeves
27-6998-18	#6 AWG HMW.PE x 18" Long w/out Sleeves
27-6998-24	#6 AWG HMW.PE x 24" Long w/out Sleeves
27-6998-36	#6 AWG HMW.PE x 36" Long w/out Sleeves
27-6998-48	#6 AWG HMW.PE x 48" Long w/out Sleeves
27-6999-18	#8 AWG HMW.PE x 18" Long w/out Sleeves
27-6999-24	#8 AWG HMW.PE x 24" Long w/out Sleeves
27-6999-36	#8 AWG HMW.PE x 36" Long w/out Sleeves
27-6999-48	#8 AWG HMW.PE x 48" Long w/out Sleeves
27-7102-18	#10 AWG HMW.PE x 18" Long w/out Sleeves
27-7102-24	#10 AWG HMW.PE x 24" Long w/out Sleeves
27-7102-36	#10 AWG HMW.PE x 36" Long w/out Sleeves
27-7102-48	#10 AWG HMW.PE x 48" Long w/out Sleeves
27-7105-18	#12 AWG HMW.PE x 18" Long w/out Sleeves
27-7105-24	#12 AWG HMW.PE x 24" Long w/out Sleeves
27-7105-36	#12 AWG HMW.PE x 36" Long w/out Sleeves
27-7105-48	#12 AWG HMW.PE x 48" Long w/out Sleeves

- For sizes not listed, contact thermOweld®.



End View of Bond

Jumper Bond with Round Sleeve

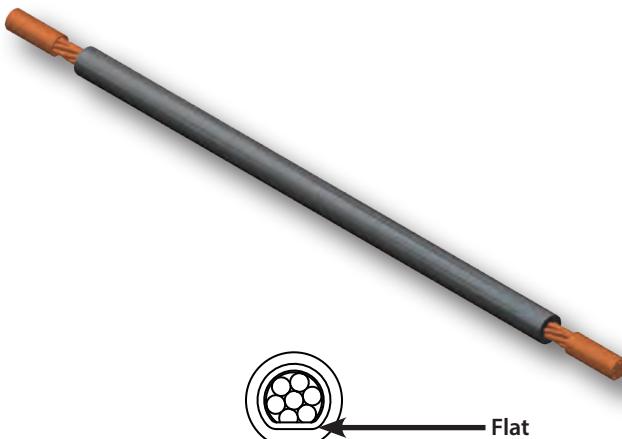
Part Number	Description
27-7095-18	#2 AWG HMW.PE x 18" Long w/ Round Sleeves
27-7095-24	#2 AWG HMW.PE x 24" Long w/ Round Sleeves
27-7095-36	#2 AWG HMW.PE x 36" Long w/ Round Sleeves
27-7095-48	#2 AWG HMW.PE x 48" Long w/ Round Sleeves
27-7096-18	#4 AWG HMW.PE x 18" Long w/ Round Sleeves
27-7096-24	#4 AWG HMW.PE x 24" Long w/ Round Sleeves
27-7096-36	#4 AWG HMW.PE x 36" Long w/ Round Sleeves
27-7096-48	#4 AWG HMW.PE x 48" Long w/ Round Sleeves
27-7097-18	#6 AWG HMW.PE x 18" Long w/ Round Sleeves
27-7097-24	#6 AWG HMW.PE x 24" Long w/ Round Sleeves
27-7097-36	#6 AWG HMW.PE x 36" Long w/ Round Sleeves
27-7097-48	#6 AWG HMW.PE x 48" Long w/ Round Sleeves
27-7098-18	#8 AWG HMW.PE x 18" Long w/ Round Sleeves
27-7098-24	#8 AWG HMW.PE x 24" Long w/ Round Sleeves
27-7098-36	#8 AWG HMW.PE x 36" Long w/ Round Sleeves
27-7098-48	#8 AWG HMW.PE x 48" Long w/ Round Sleeves
27-7101-18	#10 AWG HMW.PE x 18" Long w/ Round Sleeves
27-7101-24	#10 AWG HMW.PE x 24" Long w/ Round Sleeves
27-7101-36	#10 AWG HMW.PE x 36" Long w/ Round Sleeves
27-7101-48	#10 AWG HMW.PE x 48" Long w/ Round Sleeves

- For sizes not listed, contact thermOweld®.

Visit www.thermoweld.com for training videos

CATHODIC PROTECTION

JUMPER BONDS



Jumper Bond with Formed Sleeve

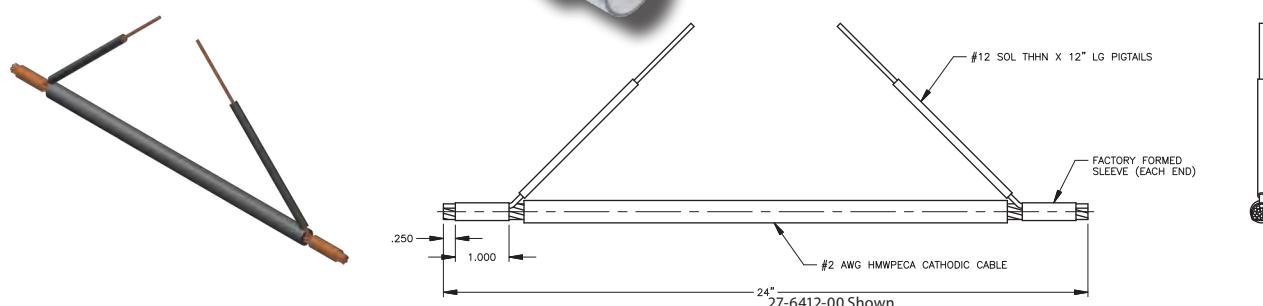
Part Number	Description
27-6378-18	#2 AWG HMW.PE x 18" Long w/ Formed Sleeves
27-6378-24	#2 AWG HMW.PE x 24" Long w/ Formed Sleeves
27-6378-36	#2 AWG HMW.PE x 36" Long w/ Formed Sleeves
27-6378-48	#2 AWG HMW.PE x 48" Long w/ Formed Sleeves
27-6426-18	#4 AWG HMW.PE x 18" Long w/ Formed Sleeves
27-6426-24	#4 AWG HMW.PE x 24" Long w/ Formed Sleeves
27-6426-36	#4 AWG HMW.PE x 36" Long w/ Formed Sleeves
27-6426-48	#4 AWG HMW.PE x 48" Long w/ Formed Sleeves
27-6540-18	#6 AWG HMW.PE x 18" Long w/ Formed Sleeves
27-6540-24	#6 AWG HMW.PE x 24" Long w/ Formed Sleeves
27-6540-36	#6 AWG HMW.PE x 36" Long w/ Formed Sleeves
27-6540-48	#6 AWG HMW.PE x 48" Long w/ Formed Sleeves
27-6570-18	#8 AWG HMW.PE x 18" Long w/ Formed Sleeves
27-6570-24	#8 AWG HMW.PE x 24" Long w/ Formed Sleeves
27-6570-36	#8 AWG HMW.PE x 36" Long w/ Formed Sleeves
27-6570-48	#8 AWG HMW.PE x 48" Long w/ Formed Sleeves
27-7100-18	#10 AWG HMW.PE x 18" Long w/ Formed Sleeves
27-7100-24	#10 AWG HMW.PE x 24" Long w/ Formed Sleeves
27-7100-36	#10 AWG HMW.PE x 36" Long w/ Formed Sleeves
27-7100-48	#10 AWG HMW.PE x 48" Long w/ Formed Sleeves

• For sizes not listed, contact thermOweld®.

Factory made Jumper Bonds with pigtails are used bonding across Dresser Style Couplings.



BOND INFORMATION			
Bond Size	Pigtail Size	Length	Catalog #
#4 Str	#12 Sol	24"	27-6644-00
#2 Str	#12 Sol	24"	27-6412-00



CS-48 MOLD INFORMATION FOR STEEL PIPE				CS-32 MOLD FOR PIGTAIL TO STEEL PIPE				BOND SIZE	CS-49 MOLD INFORMATION FOR CAST IRON PIPE				CS-33 MOLD FOR PIGTAIL TO CAST IRON PIPE			
Surface	Mold #	Price Key	Weld Metal	Mold #	Price Key	Weld Metal	Surface		Mold #	Price Key	Weld Metal	Mold #	Price Key	Weld Metal		
4" pipe	M-7336	3	25CP	M-100	3	15CP	#2 Str	4" to 24" pipe	M-175-P.S.	3	32CI	M-156-P.S.	3	25CI		
6" to 8" pipe	M-131	3	25CP	M-100	3	15CP		30" & Larger pipe	M-175	3	32CI	M-156	3	25CI		
10" & Larger pipe	M-129	3	25CP	M-100	3	15CP		Replace P.S. with Pipe Size (Ex. M-156-4 for 4" Pipe)								

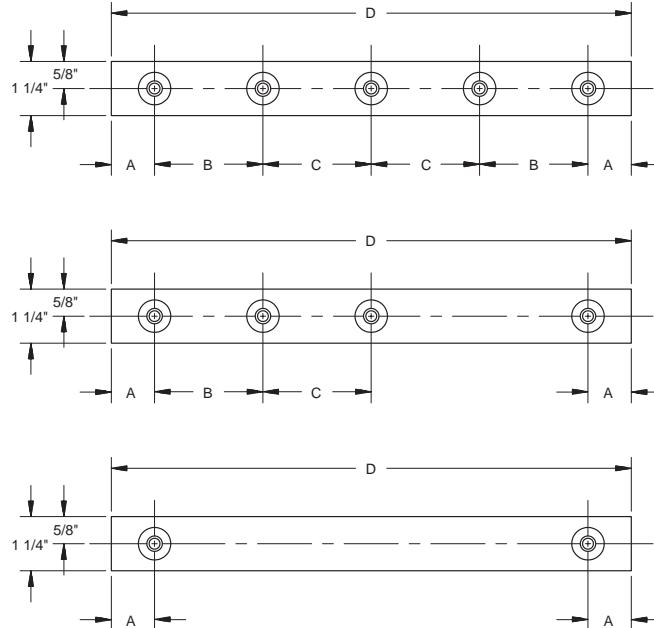
• For sizes not listed, contact thermOweld®.

DO NOT use Type CS-32 or CS-48 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

STRAP BONDS



The Strap Bond is a method of bonding across joints. It is particularly suited for providing electrical contact across Dresser® Couplers. The strap is made of soft copper strip available in size equivalent to 1/0 str. copper and supplied to desired length. The soft copper allows easy hand forming of the strap to the coupler contour. Normal application requires 5 welds, 2 on the pipe and 3 on the coupler. Welds are made with mold M-128 sold complete with handle, cleaning tool and flint ignitor. Requires #15CP cartridge for each weld.



COPPER STRAP BONDS						
Coupling Size	Catalog #	# of Holes	A	B	C	D
5" & Larger Pipe Style 38	27-0180-00	4	1"	3 3/4"	5 1/4"	20"
5" & Larger Pipe Style 38	27-0181-00	4	1"	3 3/4"	6 1/4"	22"
5" & Larger Pipe Style 38	27-0182-00	5	1"	3 3/4"	5 1/4"	20"
5" & Larger Pipe Style 38	27-0183-00	5	1"	3 3/4"	6 1/4"	22"
Under 5" & Light Pattern Style 38	27-0184-00	4	1"	3 1/4"	4 1/4"	17"
Under 5" & Light Pattern Style 38	27-0185-00	4	1"	3 1/4"	5 1/4"	19"
Under 5" & Light Pattern Style 38	27-0186-00	5	1"	3 1/4"	4 1/4"	17"
Under 5" & Light Pattern Style 38	27-0187-00	5	1"	3 1/4"	5 1/4"	19"
For All Style 40 Couplings Use (2) 27-0188-00 Bonds	27-0188-00	3	1"	3 3/4"	—	9 1/2"
N/A	27-2745-00	2	1"	—	—	20"
N/A	27-2745-01	2	1"	—	—	17"
N/A	27-2745-02	2	1"	—	—	18"
N/A	27-2745-03	2	1"	—	—	11"

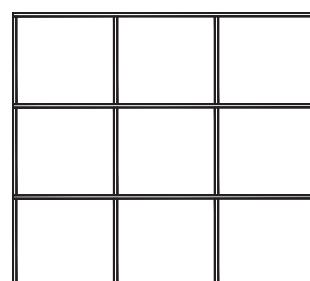
- For sizes not listed, contact thermOweld®.
- Current capacity of the copper strap bonds is equivalent to 1/0 Str copper cable.
- Use Mold M-128 to attach bonds with #15 cartridge.

Section 9 -
Cathodic Protection

AC MITIGATION MATS

AC Mitigation Mats are used near pipelines when the structure is above the grade to limit step and touch potentials. AC Mitigation mats are hot dip zinc galvanized and come in the standard size of 4ft x 8ft with 3" x 3" squares.

Catalog Number	Size
38-6855-00	4' x 8'



CATHODIC PROTECTION

UL LISTED PREFABRICATED COPPER AC MITIGATION MATS

AC Mitigation Mats are a simple and cost effective method to alleviate induced AC effect upon buried pipelines when sharing a common right of way. Our AC Mitigation Mats are used in cathodic protection systems to prevent voltage spikes during fault conditions and to reduce electromagnetic interference. It is also used in power plants and substation facilities to reduce potential injury due to electrical discharge.

We manufacture our AC Mitigation Mats from solid copper or Copperweld® Copper coated steel-core. The wire size range from #10 AWG to #4 AWG. We offer AC Mitigation Mats with no overhang and overlapping ends typical.

Otherwise known as:

Gradient Mesh: Canadian Standards & US -Pipeline

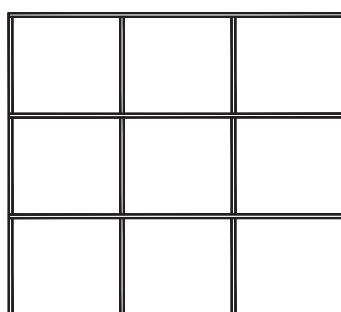
Equipotential Mesh: NEC - Swimming Pools

Personnel Safety Mat: IEEE80

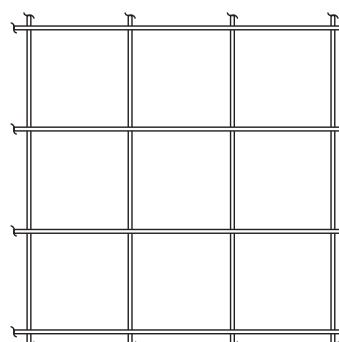
Ground Mesh: UL467

Overlapping Ends

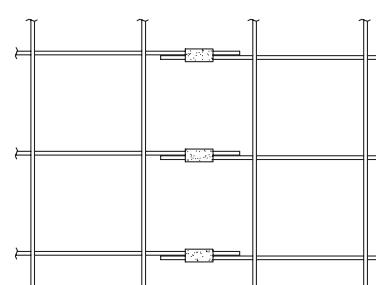
This configuration is designed to allow for side by side connections of adjoining mats; thus providing the easiest method of joining two mesh sections. Adding 2" to one half the conductor spacing provides the overlapping ends. For example, if the mesh size is 6" square, the overlapping end length is 5".



Without Overhang



With Overhang



"Overlapping" ends

Example

Catalog No.	Description
GM4666C1/0S	4' x 6' x 6" On Center - #6 Solid Copper - Center Conductor 1/0 Solid Pigtail
GM4666	4' x 6' x 6" On Center - #6 Solid Copper
GM468B	4' x 6' x 8" On Center - #6 Copperweld® Copper coated steel-core
GM105012801	10' x 50' x 12" On Center - #8 Solid Copper - with Over Hang One End
GM1230126	12' x 30' x 12" On Center - #6 Solid Copper

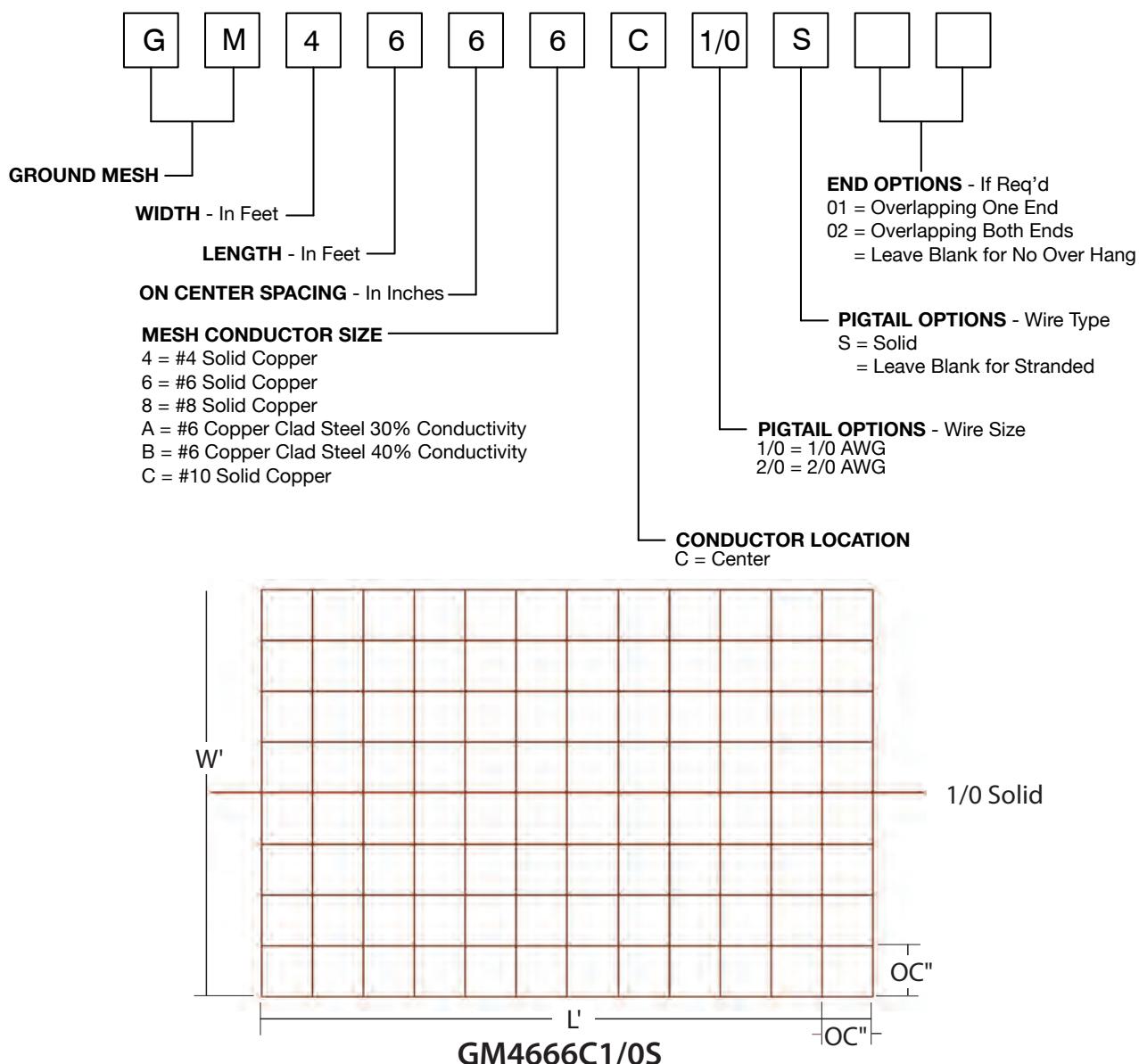
*Custom sizes and options available upon request, contact thermoweld for details.

NOTES:

- Overlapping ends are equal to 1/2 the spacing plus 2" Don't count overhang for total dimensions.
- Center wire conductors overhang 6" on each end.
- Typical Sizes: 4' x 4', and 4' x 6'; Mesh is also available on rolls. Contact factory for details
- Silver Solder Brazed
- Minimum spacing available is 2". UL467 allows 4" to 24" spacing for listing

UL LISTED PREFABRICATED AC MITIGATION MATS

AC MITIGATION MAT NUMBERING SYSTEM



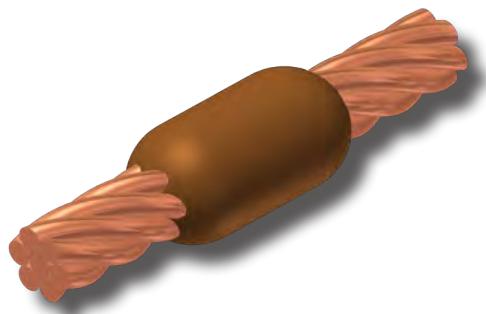
Type	Width (W)	Length (L)	O.C. Spacing	Conductor	Pigtail Options
G M	4	6	6	6	C 1 / 0 S
Ground Mesh	Width in Feet	Length in Feet	On Center Spacing in Inches	Conductor Size and Type	Pigtail Conductor Location, Size and Type

CATHODIC PROTECTION

CC-1

TYPE MOLDS

Horizontal End to End
For AWG Conductors



MOLDS FOR AWG CONDUCTORS						
Cable	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
#12 Sol	M-8224-S	18	15	40-4565-00	4	
#10 Sol	M-8225-S	18	15	40-4565-00	2	
#8 Sol	M-8228-S	18	15	40-4565-00	2	
#6 Sol	M-8229-S	18	25	40-4565-00	2	
#6	M-8229	18	25	40-4565-00	2	
#4 Sol	M-8232-S	18	25	40-4565-00	4	
#4	M-8232	18	25	40-4565-00	2	
#2 Sol	M-8235-S	18	32	40-4565-00	2	
#2	M-8235	18	32	40-4565-00	2	
#1	M-8239	18	32	40-4565-00	4	
1/0	M-8242	19	45	40-4565-00	2	
2/0	M-8244	19	65	40-4565-00	2	

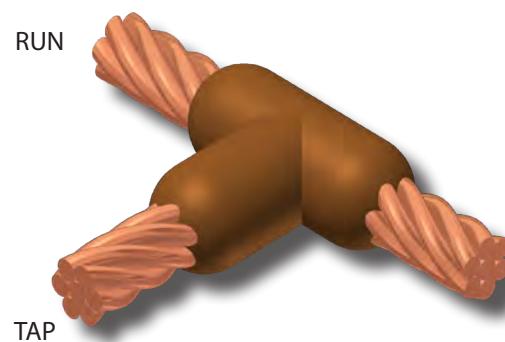
CC-2

TYPE MOLDS

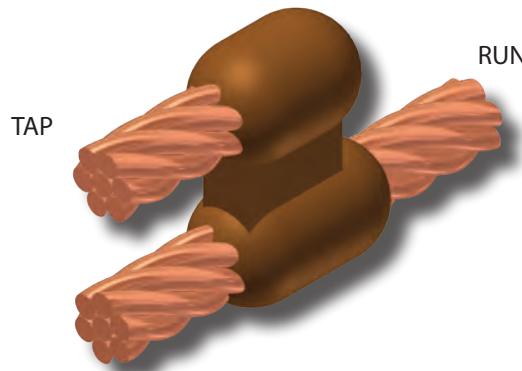
Horizontal Cable Tap to
Horizontal Cable Run
For AWG Conductors

MOLDS FOR AWG CONDUCTORS						
Cable		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
#2	#2	M-8245	20	45	40-4565-00	2
	#4	M-8246	20	45	40-4565-00	4
#1	#1	M-8247	20	45	40-4565-00	4
	#2	M-8248	20	45	40-4565-00	4
	#4	M-8249	20	45	40-4565-00	4
1/0	#1	M-8250	20	45	40-4565-00	4
	#2	M-8251	20	45	40-4565-00	2
	#4	M-8252	20	45	40-4565-00	4
2/0	#1	M-8253	20	45	40-4565-00	4
	#2	M-8256	20	45	40-4565-00	2
	#4	M-8260	20	45	40-4565-00	2

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix “-S” to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp



CC-6

TYPE MOLDS
Horizontal Parallel Tap
For AWG Conductors


MOLDS FOR AWG CONDUCTORS						
Cable		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
#6	#6	M-8261	18	25	40-4565-00	2
	#6 Sol	M-8264	18	25	40-4565-00	4
	#8	M-8265	18	25	40-4565-00	2
	#8 Sol	M-8266	18	25	40-4565-00	4
#4	#4	M-8267	18	32	40-4565-00	4
	#6	M-8268	18	32	40-4565-00	2
	#6 Sol	M-8269	18	32	40-4565-00	4
	#8	M-8274	18	32	40-4565-00	4
	#8 Sol	M-8275	18	32	40-4565-00	4
#2	#2	M-8276	18	65	40-4565-00	2
	#4	M-8280	18	45	40-4565-00	4
	#6	M-8281	18	32	40-4565-00	4
	#6 Sol	M-8283	18	32	40-4565-00	4
	#8	M-8284	18	32	40-4565-00	4
	#8 Sol	M-8285	18	32	40-4565-00	4
#1	#2	M-8286	19	65	40-4565-00	4
	#4	M-8287	19	45	40-4565-00	4
	#6	M-8288	19	45	40-4565-00	4
	#6 Sol	M-8291	19	45	40-4565-00	4
	#8	M-8292	19	45	40-4565-00	4
	#8 Sol	M-8293	19	45	40-4565-00	4
1/0	#2	M-8295	19	65	40-4565-00	4
	#4	M-8297	19	65	40-4565-00	4
	#6	M-8299	19	45	40-4565-00	4
	#6 Sol	M-8300	19	45	40-4565-00	4
	#8	M-8301	19	45	40-4565-00	4
	#8 Sol	M-8304	19	45	40-4565-00	4
2/0	#2	M-8306	19	2-45	40-4565-00	4
	#4	M-8307	19	65	40-4565-00	4
	#6	M-8310	19	65	40-4565-00	2
	#6 Sol	M-8311	19	65	40-4565-00	4
	#8	M-8313	19	65	40-4565-00	4
	#8 Sol	M-8316	19	65	40-4565-00	4

- For sizes not listed, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp

Section 9 -
Cathodic Protection

CATHODIC PROTECTION

CB-1

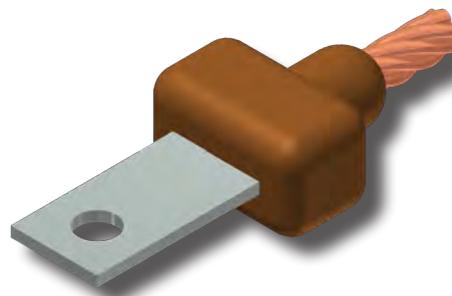
TYPE MOLDS

Cathodic Protection

Cable to Lug

For AWG Conductors

See pages 8-184 and 8-185 for Lug part numbers.

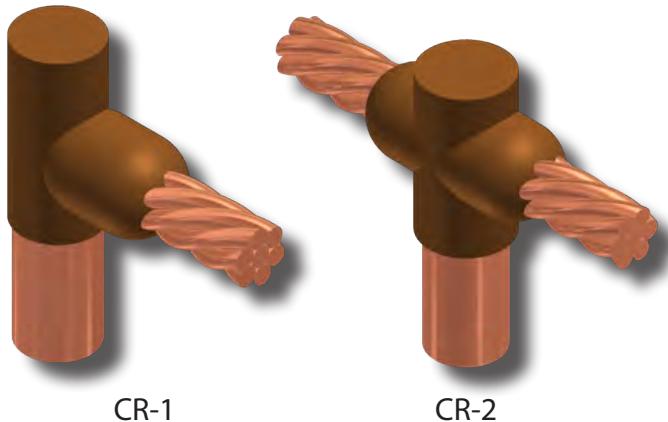


MOLDS FOR AWG CONDUCTORS							
Cable Size	Lug Size	Lug Part #	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6 Sol†	1/16"x 1/2"	38-4709-00	M-8391-S	18 †	25	40-4565-00	4
#6	1/16"x 1/2"		M-8391	18 †	25	40-4565-00	4
#4 Sol	1/16"x 1/2"		M-8393-S	18 †	25	40-4565-00	4
#4	1/16"x 1/2"		M-8393	18 †	25	40-4565-00	4
#2 Sol	1/16"x 1/2"		M-8395-S	18 †	32	40-4565-00	4
#2	1/16"x 1/2"		M-8395	18 †	32	40-4565-00	4
#1	1/16"x 1/2"		M-8397	18 †	32	40-4565-00	4
1/0	1/16"x 1/2"		M-8398	19 †	45	40-4565-00	4
2/0	1/8"x 1"	38-4200-00	M-8399	19 †	45	40-4565-00	4

† For Wire Size #14 to #10 Solid, 38-0200-00 Sleeve/Weld Req'd

- For sizes not listed, contact thermOweld®.
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - † ~ Sold complete with handles. If not required, specify MOLD NUMBER followed by suffix "G".
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush

CATHODIC PROTECTION



CR-1 / CR-2

TYPE MOLDS

**Horizontal Cable to Ground Rod
For AWG Conductors**

MOLDS FOR AWG CONDUCTORS											
Ground Rod Size	Cable Size	CR-1 Molds				CR-2 Molds					
		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
1/2"	#6 Sol‡	M-1960-S	18	25	40-4565-00	4	M-1984-S	18	32	40-4565-00	4
	#6	M-1960	18	25	40-4565-00	4	M-1984	18	32	40-4565-00	4
	#4 Sol	M-1961-S	18	25	40-4565-00	4	M-1985-S	18	32	40-4565-00	4
	#4	M-1961	18	25	40-4565-00	4	M-1985	18	32	40-4565-00	4
	#2 Sol	M-1962-S	18	32	40-4565-00	4	M-1986-S	19	45	40-4565-00	4
	#2	M-1962	18	32	40-4565-00	2	M-1986	19	45	40-4565-00	4
	#1	M-1963	19	45	40-4565-00	4	M-1987	19	65	40-4565-00	4
	1/0	M-1964	19	65	40-4565-00	4	M-1988	19	65	40-4565-00	4
	2/0	M-1965	19	65	40-4565-00	4	M-1989	19	65	40-4565-00	4
	#6 Sol‡	M-1968-S	18	32	40-4565-00	2	M-1992-S	19	45	40-4565-00	2
5/8"	#6	M-1968	18	32	40-4565-00	2	M-1992	19	45	40-4565-00	2
	#4 Sol	M-1969-S	18	32	40-4565-00	2	M-1993-S	19	65	40-4565-00	4
	#4	M-1969	18	32	40-4565-00	2	M-1993	19	65	40-4565-00	4
	#2 Sol	M-1970-S	19	45	40-4565-00	4	M-1994-S	19	65	40-4565-00	2
	#2	M-1970	19	45	40-4565-00	2	M-1994	19	65	40-4565-00	2
	#1	M-1971	19	45	40-4565-00	4	M-1995	19	65	40-4565-00	4
	1/0	M-1972	19	65	40-4565-00	4	M-1996	20	2-45	40-4565-00	2
	2/0	M-1973	19	65	40-4565-00	2	M-1997	20	2-45	40-4565-00	2
	#6 Sol‡	M-1976-S	18	32	40-4565-00	2	M-2000-S	19	45	40-4565-00	2
	#6	M-1976	18	32	40-4565-00	4	M-2000	19	45	40-4565-00	2
3/4"	#4 Sol	M-1977-S	19	45	40-4565-00	2	M-2001-S	19	65	40-4565-00	4
	#4	M-1977	19	45	40-4565-00	2	M-2001	19	65	40-4565-00	4
	#2 Sol	M-1978-S	19	45	40-4565-00	4	M-2002-S	19	65	40-4565-00	4
	#2	M-1978	19	45	40-4565-00	4	M-2002	19	65	40-4565-00	2
	#1	M-1979	19	45	40-4565-00	4	M-2003	19	65	40-4565-00	4
	1/0	M-1980	19	65	40-4565-00	4	M-2004	20	2-45	40-4565-00	2
	2/0	M-1981	19	65	40-4565-00	2	M-2005	20	2-45	40-4565-00	2

‡ For wire size #14 to #10 Solid, order (1) 38-0200-00 Sleeve for CR-1 Type Molds or (2) 38-0200-00 Sleeves for CR-2 Type Molds

- For sizes not listed, contact thermoweld®.
- Molds listed are for copper clad ground rods. For welding to steel, stainless steel or galvanized steel ground rods add suffix "-N" to mold number.
- For expedited service, contact thermoweld®
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

NOTES

1. .475" actual diameter. For full 1/2" (.500) ground rod and roll-threaded rod, add suffix "-N" to mold number, i.e. M-1965-N is full 1/2" diameter ground rod or roll-threaded rod to 2/0 Str cable.
2. .563" actual diameter. For full 5/8" (.625) ground rod and roll-threaded rod, add suffix "-N" to mold number, i.e. M-1973-N is full 5/8" diameter ground rod or roll-threaded rod to 2/0 Str cable.
3. .682" actual diameter. For full 3/4" (.750) ground rod and roll-threaded rod, add suffix "-N" to mold number, i.e. M-1981-N is full 3/4" diameter ground rod or roll-threaded rod to 2/0 Str. cable.

Section 9 -
Cathodic Protection

CATHODIC PROTECTION

CP KIT



Each CP Kit Contains

Flat to 4" & Larger Pipe	3/4" to 3 1/2" & Larger Pipe	Flat 4" & Larger Pipe	Flat to 125mm & Larger Pipe	Flat to 125mm & Larger Pipe
(1) M-100 Mold	(1) M-101 Mold	(1) M-102 Mold	(1) M-4147 Mold	(1) M-4149 Mold
(80) 15CPS Cartridges*	(80) 15CPS Cartridges*	(80) 15CPS Cartridges*	(80) 15CPS Cartridges*	(80) 15CPS Cartridges*
Flint Ignitor	Flint Ignitor	Flint Ignitor	Flint Ignitor	Flint Ignitor
Mold Cleaner	Mold Cleaner	Mold Cleaner	Mold Cleaner	Mold Cleaner
Part #	Part #	Part #	Part #	Part #
38-4350-00	38-4351-00	38-7280-00	38-4518-00	38-8589-00

* Sleeves are included in weld metal.

Specialty kits are available for other infrastructure applications and unique contractor needs. The NACE-trained staff at thermOweld® is ready to help you with your cathodic protection project.

HAMMER DIES

HAMMER DIES

Bonds can be made in the field using your own cable, a copper adapter sleeve and a hammer die.



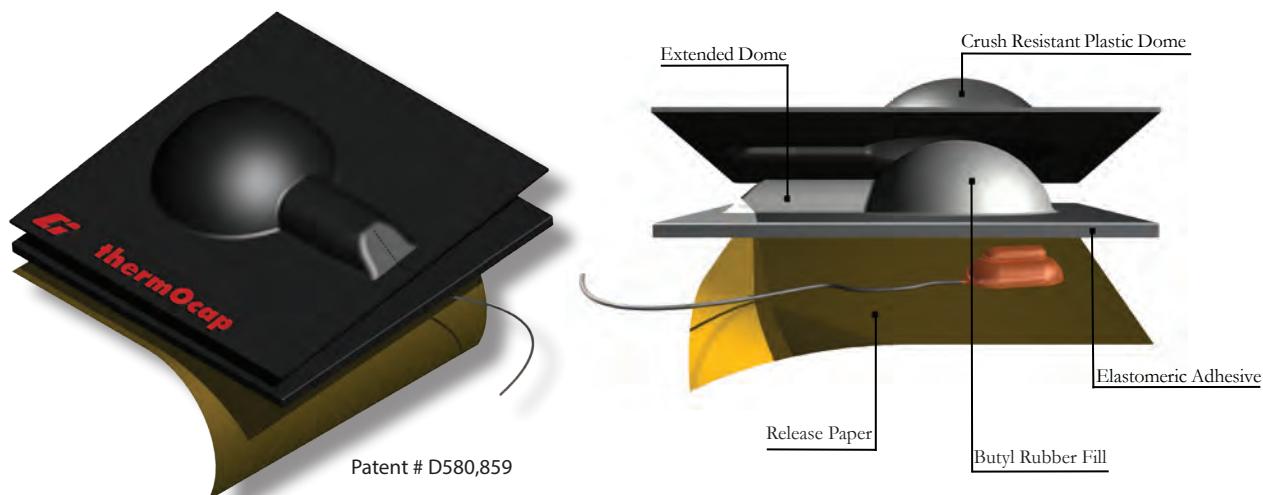
Hammer Die Catalog #	For Use On Cable Size	Adapter Sleeve Catalog #
38-6019-00	#8 Str	38-0201-00
38-6020-00	#6 Str	38-0202-00
38-4859-00	#4 Str	38-0204-00
38-0310-00	#2 Str	38-0203-00
38-0392-00	#1 Str	38-0209-00
38-0311-00	1/0 Str	38-0205-00
38-0312-00	2/0 Str	38-0240-00
38-7292-00	#10 Str	38-0208-00

CATHODIC PROTECTION

Ci thermOcap®

thermWeld®'s Ci thermOcap PC® is designed to cover your cathodic protection wire connections on metal pipe and tanks.

- Thick outer shell designed to resist puncture.
- Folds in plastic allow the cap to conform easier to the pipe.
- Butyl rubber filled dome for added corrosion protection for the weld.
- Superior resistance to aging shown through accelerated aging testing.
- Adheres to Ductile Iron, Steel, Stainless Steel, Copper, Aluminum, PVC, PP, PE, FBE powder coating, natural and synthetic rubbers, and Epoxy.
- Outstanding shelf life, resistant to dry rot and cracking.
- Packaged in boxes of 20 with immediate delivery available.
- Works with exothermic and brazed connections
- Ci thermOcap PC® is designed to adhere without spray primer. *"Simply peel and stick!"*



Ci thermOcap PC Specifications

PROPERTIES		CI THERMOCAP PC®
Part Number		38-6687-02
Dimensions	Overall	4" x 4" (102 mm x 102 mm)
	Dome	1.75" Dia. 0.75" tall (44.5 mm Dia. 19 mm tall)
	Elastomeric Adhesive	0.125" thick (3.2 mm thick)
	Plastic Backing	0.021" thick (0.5 mm thick)
Primer Required		NO
Application Temperature		35 °F to 150 °F (2 °C to 66 °C)
Service Temperature		-20 °F to 180 °F (-29 °C to 82 °C)
*Adhesion to Steel		15 lb/in (26 N/cm)

*Determined per ASTM D1000/IEC 6045-2, testing method with minor deviations.

Information contained in this document is for reference only. Customers are responsible for determination of this product's suitability for their application. No liability for any loss related to the use or misuse of the material contained herein is accepted.

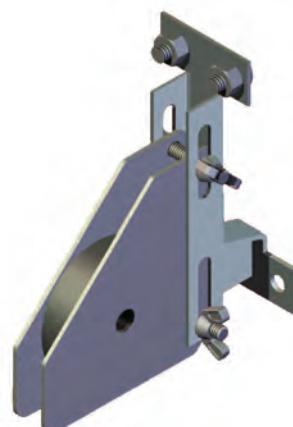
CATHODIC PROTECTION

Cathodic Protection Molds with Magnetic Mold Support

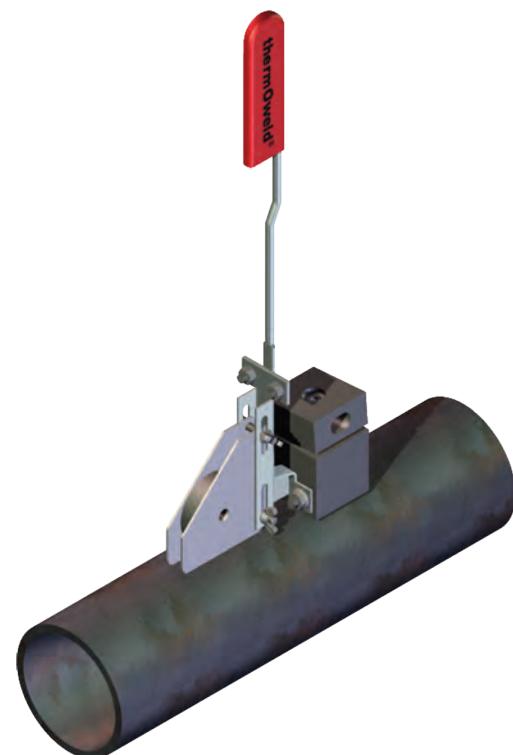
New magnetic mold support is adaptable to all thermOweld® price key 3 molds.

- Designed for remote welding use with the thermOweld® EZ Lite Remote® ignition system
- Strong, 48 lb. Magnet Holds Mold in Place and Prevents Leakage
- Adjustable Height
- Works on Both Cast Iron and Steel Pipe as well as Flat Surfaces
- Available as an accessory which can be attached to any existing thermOweld® Price Key 3 mold in your stock, on your truck, or at the jobsite

Catalog #	Description
40-7202-00	Price Key 3 Mold Magnet Assembly
To order molds complete with Magnet Assembly, add suffix -M to mold number. Ex. M-100-M	



40-7202-00 ~ Price Key 3
Mold Magnet Assembly



**EZ Lite Remote® Electric Ignition
System
for Cathodic Protection**
38-EZLT-SK



SAME DAY SERVICE

(Cathodic Protection Market)

JUST LIKE HAVING IT ON THE SHELF

MOLDS

- M-100
- M-101
- M-102
- M-103
- M-104
- M-106
- M-142
- M-151
- M-156

WELD METAL

- # 15CP
- # 15CPS
- # 25CI
- # 32CI
- # 45CI

ACCESSORIES

- 38-0200-00 Copper Sleeves
- 38-0201-00 Copper Sleeves
- 38-0207-00 Copper Sleeves

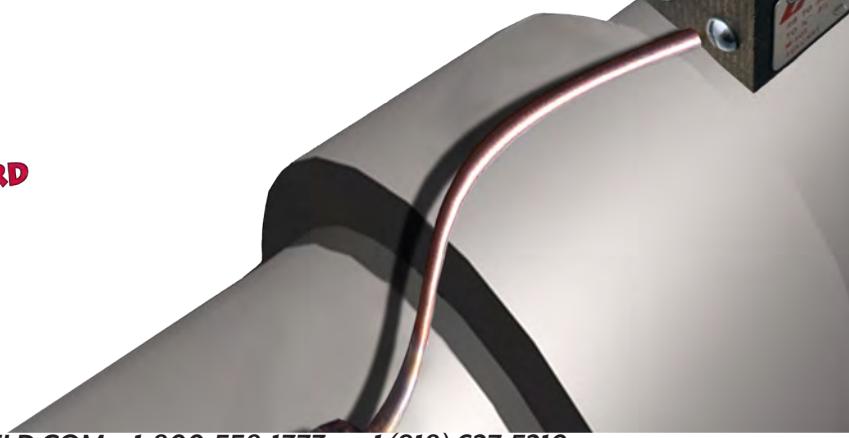
THERMOCAPS

- 38-6687-02 Ci thermOcap® PC



Call Today Ship Today!

4
PM
CENTRAL STANDARD
TIME



METRIC SECTION

Section 10 -
Metric Section

10-232

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Section 10

Metric Section

Description	Page #
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Bus to Bus Connections.....	10-249
Bus to Steel Connections	10-252
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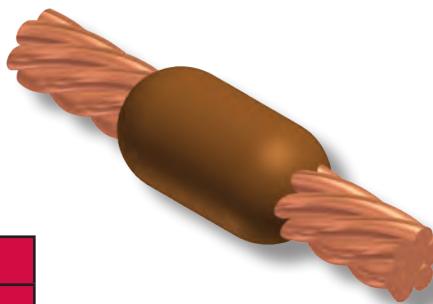
METRIC SECTION

CC-1

TYPE MOLDS

Horizontal End to End

For Metric Conductors



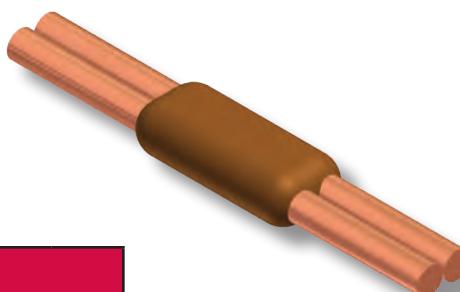
MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	M-10038	4	15	B-106	2
16	M-10040	4	25	B-106	2
25	M-3004	4	32	B-106	2
30	M-2842	4	32	B-106	2
35	M-3005	4	32	B-106	2
50	M-3006	4	45	B-106	2
8 mm Ø	M-2849	4	45	B-106	2
70	M-3008	4	65	B-106	2
10 mm Ø	M-2910	4	65	B-106	2
95	M-3010	4	90	B-106	2
120	M-3011	4	115	B-106	2
150	M-3012	4	115	B-106	2
185	M-3013	4	150	B-106	2
240	M-3014	4	200	B-106	2
300	M-3015	4	250	B-106	2

CC-14

TYPE MOLDS

Horizontal Parallel through Cables

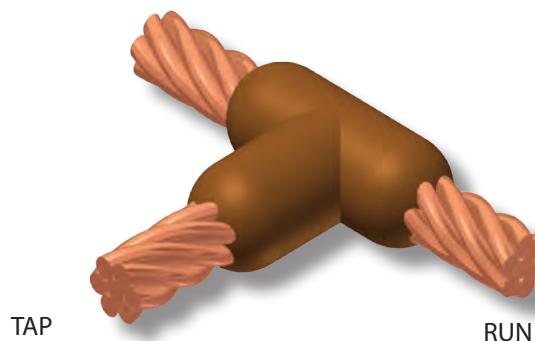
For Metric Conductors



MOLDS FOR METRIC CONDUCTORS					
Cable (mm ²)		Mold #	Price Key	Weld Metal	Handle Clamps
Run	Tap				Lead Time
10	10	M-10698	4	45	B-106
16	16	M-10699	4	65	B-106
25	25	M-10700	4	45	B-106
30	30	M-10701	4	45	B-106
35	35	M-10702	4	65	B-106
	25	M-10703	4	65	B-106
8 mm Ø	8 mm Ø	M-10704	4	90	B-106
	50	M-10237	4	90	B-106
50	35	M-3128	4	90	B-106
	25	M-10705	4	90	B-106
10 mm Ø	10 mm Ø	M-10706	4	115	B-106
	70	M-4689	4	90	B-106
70	50	M-10707	4	90	B-106
	35	M-10708	4	90	B-106
	25	M-10709	4	90	B-106
95	95	M-3126	4	200	B-106
	70	M-10710	4	150	B-106
95	50	M-3127	4	150	B-106
	35	M-10711	4	115	B-106
120	120	M-8677	4	200	B-106
	95	M-10239	4	200	B-106
120	70	M-10712	4	200	B-106
	50	M-10238	4	150	B-106

- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0330-00 ~ Cable Clamp

METRIC SECTION



TAP

RUN

CC-2

TYPE MOLDS

*Horizontal Cable Tap to Horizontal Cable Run
For Metric Conductors*

MOLDS FOR METRIC CONDUCTORS

Cable (mm ²)		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
10	10	M-10780	4	32	B-106	4
16	16	M-10781	4	32	B-106	2
25	25	M-3021	4	45	B-106	2
5.6 mm Ø	5.6 mm Ø	M-2914	4	45	B-106	4
30	30	M-2915	4	45	B-106	4
35	35	M-3022	4	45	B-106	2
	25	M-3023	4	45	B-106	2
8 mm Ø	8 mm Ø	M-2949	4	65	B-106	2
	50	M-3024	4	90	B-106	2
50	35	M-3025	4	65	B-106	2
	25	M-3026	4	65	B-106	2
	10 mm Ø	M-2916	4	90	B-106	2
70	70	M-3031	4	90	B-106	2
	50	M-3033	4	90	B-106	2
	35	M-3034	4	65	B-106	2
	25	M-3035	4	65	B-106	2
	16	M-4777	4	65	B-106	4
95	95	M-3041	4	115	B-106	2
	70	M-3043	4	90	B-106	2
	50	M-3045	4	90	B-106	2
	35	M-3046	4	90	B-106	2
120	120	M-3047	4	150	B-106	2
	95	M-3048	4	150	B-106	2
	70	M-3051	4	90	B-106	2
	50	M-3052	4	90	B-106	2
	35	M-4403	4	90	B-106	4
	25	M-4353	4	90	B-106	4
150	16	M-3113	4	115	B-106	4
	150	M-3053	4	200	B-106	2
	120	M-3054	4	150	B-106	2
	95	M-3055	4	150	B-106	2
	70	M-3057	4	90	B-106	2
185	185	M-3059	4	200	B-106	2
	150	M-3060	4	200	B-106	2
	120	M-3061	4	200	B-106	2
	95	M-3062	4	150	B-106	2
	70	M-4528	4	115	B-106	4
	240	M-3065	4	2-150	B-106	2
240	185	M-3066	4	200	B-106	2
	150	M-3067	4	200	B-106	2
	120	M-3068	4	200	B-106	2
	95	M-4561	4	150	B-106	4
	70	M-4890	4	90	B-106	4
	50	M-4661	4	90	B-106	4
	25	M-4639	4	90	B-106	4
	16	M-3352	4	90	B-106	4
300	300	M-3071	5	2-200	B-107	2
	240	M-3072	5	2-200	B-107	2
	185	M-3073	4	250	B-106	2
	150	M-3074	4	200	B-106	2
	120	M-3878	4	200	B-106	4

- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before andbEZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp

METRIC SECTION

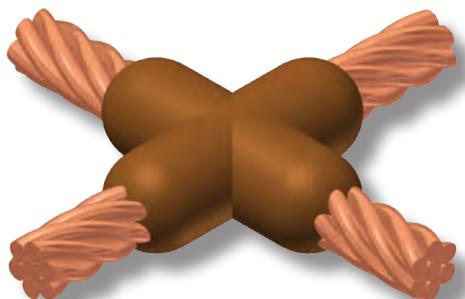
CC-4

TYPE MOLDS

Horizontal to Horizontal Cable Cross

For Metric Conductors

Tap cable is cut



MOLDS FOR METRIC CONDUCTORS					
Cable (mm ²)		Mold #	Price Key	Weld Metal	Handle Clamps
Run	Tap				Lead Time
10	10	M-10856	4	32	B-106
16	16	M-10782	4	45	B-106
25	25	M-3147	4	45	B-106
30	30	M-2926	4	45	B-106
35	35	M-3148	4	65	B-106
	25	M-3149	4	65	B-106
8 mm Ø	8 mm Ø	M-2950	4	90	B-106
	50	M-3150	4	90	B-106
50	35	M-3151	4	90	B-106
	25	M-3152	4	90	B-106
10 mm Ø	10 mm Ø	M-2928	4	115	B-106
	70	M-3157	4	115	B-106
70	50	M-3159	4	115	B-106
	35	M-3160	4	115	B-106
	25	M-3161	4	115	B-106
95	95	M-3167	4	150	B-106
	70	M-3169	4	150	B-106
	50	M-3171	4	115	B-106
	35	M-3172	4	115	B-106
120	120	M-3173	4	200	B-106
	95	M-3174	4	200	B-106
	70	M-3176	4	150	B-106
	50	M-3178	4	150	B-106
150	150	M-3179	4	250	B-106
	120	M-3180	4	250	B-106
	95	M-3181	4	200	B-106
	70	M-3183	4	150	B-106
185	185	M-3185	4	250	B-106
	150	M-3186	4	250	B-106
	120	M-3187	4	250	B-106
	95	M-3188	4	200	B-106
240	240	M-3191	5	500	B-107
	185	M-3192	5	2-200	B-107
	150	M-3193	5	2-200	B-107
	120	M-3194	5	2-150	B-107
300	300	M-3197	5	3-200	B-107
	240	M-3198	5	3-200	B-107
	185	M-3199	5	500	B-107
	150	M-3200	5	500	B-107
	120	M-3201	5	2-200	B-107
	95	M-3202	5	2-200	B-107

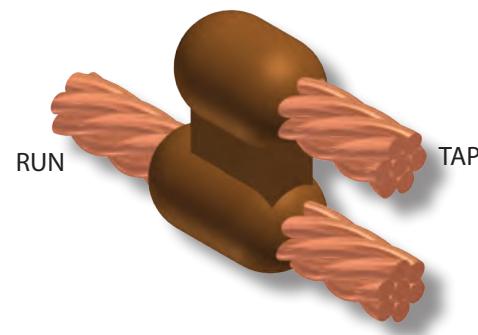
- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and bEZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15~#65
40-0319-03 ~ Mold Cleaner for cartridge sizes #90~#500
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp

METRIC SECTION

CC-6

TYPE MOLDS

*Horizontal Parallel Tap
For Metric Conductors*

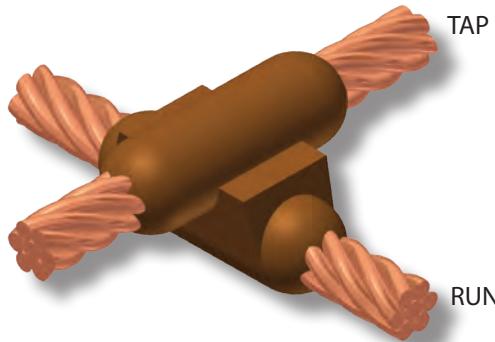


MOLDS FOR METRIC CONDUCTORS						
Cable (mm ²)		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
10	10	M-10783	4	25	B-106	4
16	16	M-9993	4	32	B-106	2
25	25	M-2971	4	45	B-106	4
30	30	M-3269	4	65	B-106	4
35	35	M-3432	4	65	B-106	4
	25	M-4254	4	65	B-106	4
50	50	M-4260	4	90	B-106	2
	35	M-4290	4	65	B-106	4
	25	M-4291	4	65	B-106	4
70	70	M-3234	4	115	B-106	2
	50	M-4292	4	115	B-106	2
	35	M-3237	4	90	B-106	4
	25	M-3238	4	90	B-106	2
95	95	M-4302	4	150	B-106	2
	70	M-4303	4	115	B-106	2
	50	M-4311	4	115	B-106	2
	35	M-4319	4	115	B-106	4
120	120	M-4325	4	200	B-106	2
	95	M-4337	4	200	B-106	2
	70	M-4338	4	150	B-106	2
	50	M-4347	4	115	B-106	2

CC-11

TYPE MOLDS

*Horizontal to Horizontal Cable Cross
For Metric Conductors*



MOLDS FOR METRIC CONDUCTORS						
Cable (mm ²)		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
25	25	M-8762	4	65	B-106	4
35	35	M-4980	4	90	B-106	2
50	50	M-4981	22	150	B-106	2
70	70	M-4060	22	200	B-106	2
95	95	M-3732	22	250	B-106	4
120	120	M-4289	22	2-150	B-106	2
150	150	M-4749	23	2-200	B-107	2
185	185	M-4145	23	500	B-107	2
240	240	M-3044	23	3-200	B-107	2
300	300	M-3392	23	2-500	B-107	2

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles) 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (CC-11 Molds Only)
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500 (CC-11 Molds Only)
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp

METRIC SECTION

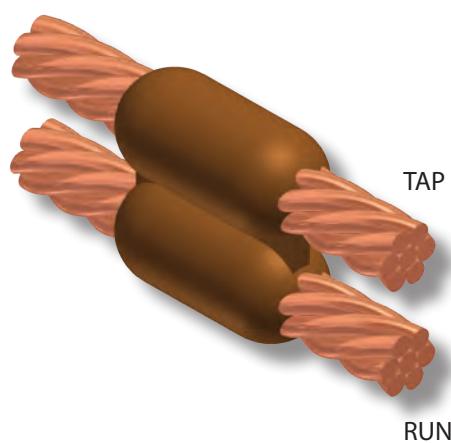
CC-7

TYPE MOLDS

Horizontal Parallel through Cables

For Metric Conductors

MOLDS FOR METRIC CONDUCTORS						
Run	Cable (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	10	M-10784	4	25	B-106	4
16	16	M-10785	4	32	B-106	4
25	25	M-3254	4	45	B-106	2
30	30	M-4348	4	45	B-106	4
35	35	M-3255	4	65	B-106	2
	25	M-3256	4	65	B-106	4
8 mm Ø	8 mm Ø	M-4643	4	90	B-106	2
	50	M-3257	4	90	B-106	2
50	35	M-3258	4	90	B-106	4
	25	M-3259	4	65	B-106	4
10 mm Ø	10 mm Ø	M-4350	4	115	B-106	4
	70	M-3264	4	115	B-106	2
70	50	M-3266	4	115	B-106	2
	35	M-3267	4	90	B-106	2
	25	M-3268	4	90	B-106	2
95	95	M-3274	4	150	B-106	2
	70	M-3276	4	115	B-106	4
	50	M-3278	4	115	B-106	2
	35	M-3279	4	115	B-106	4
120	120	M-3280	4	200	B-106	2
	95	M-3281	4	200	B-106	2
	70	M-3283	4	150	B-106	2
	50	M-3285	4	150	B-106	4
150	150	M-3286	5	2-150	B-107	2
	120	M-3287	4	250	B-106	2
	95	M-3288	4	200	B-106	2
	70	M-3290	4	150	B-106	4
185	185	M-3292	5	2-150	B-107	2
	150	M-3293	5	2-150	B-107	2
	120	M-3294	4	250	B-106	2
	95	M-3295	4	200	B-106	4
240	240	M-3298	5	2-200	B-107	2
	185	M-3299	5	2-150	B-107	4
	150	M-3300	5	2-150	B-107	4
	120	M-3301	4	250	B-106	2
300	300	M-3304	5	500	B-107	2
	240	M-3305	5	500	B-107	2
	185	M-3306	5	2-200	B-107	4
	150	M-3307	5	2-150	B-107	2

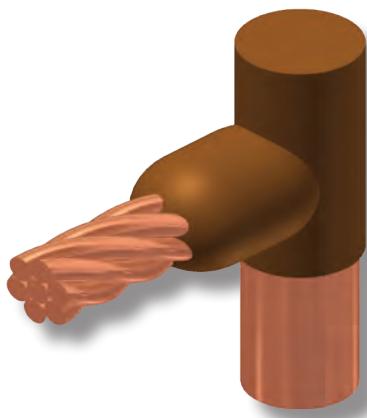


- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0330-00 ~ Cable Clamp

CR-1

TYPE MOLDS

*Horizontal Cable Terminal to Ground Rod
For Metric Conductors*



MOLDS FOR METRIC CONDUCTORS						
Ground Rod Size (mm)	Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
12.8	10	M-10786	4	45	B-106	4
	16	M-10787	4	65	B-106	4
	25	M-3321	4	65	B-106	4
	5.6 mm Ø	M-4351	4	65	B-106	4
	30	M-4352	4	65	B-106	4
	35	M-3322	4	65	B-106	2
	50	M-3323	4	65	B-106	2
	8 mm Ø	M-4644	4	65	B-106	4
	70	M-3325	4	90	B-106	4
	95	M-3327	4	90	B-106	4
14.3	120	M-3328	4	90	B-106	4
	5.6 mm Ø	M-4381	4	65	B-106	4
	25	M-3336	4	65	B-106	2
	30	M-4392	4	65	B-106	2
	35	M-3337	4	65	B-106	2
	50	M-3338	4	90	B-106	2
	8 mm Ø	M-4412	4	90	B-106	2
	70	M-3340	4	90	B-106	2
	95	M-3342	4	90	B-106	2
	120	M-3343	4	90	B-106	2
	150	M-3344	4	115	B-106	2
	185	M-3345	4	115	B-106	2
17.2	240	M-3346	4	150	B-106	2
	25	M-3354	4	90	B-106	2
	30	M-4413	4	90	B-106	2
	35	M-3355	4	90	B-106	2
	50	M-3356	4	90	B-106	2
	8 mm Ø	M-4414	4	90	B-106	4
	70	M-3358	4	90	B-106	2
	95	M-3360	4	90	B-106	2
	120	M-3361	4	90	B-106	2
	150	M-3362	4	115	B-106	2
200	185	M-3363	4	115	B-106	2
	240	M-3364	4	150	B-106	2
	300	M-3365	4	200	B-106	2

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weldmetal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

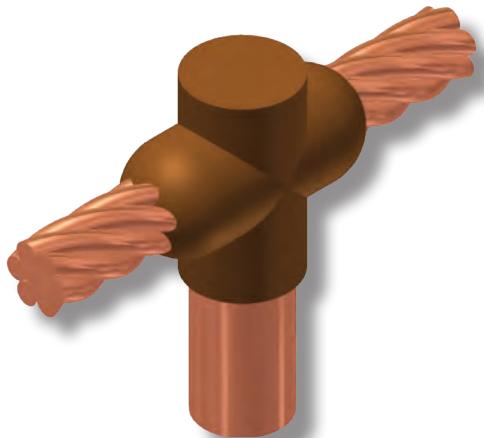
METRIC SECTION

CR-2

TYPE MOLDS

Horizontal Cable to Ground Rod

For Metric Conductors



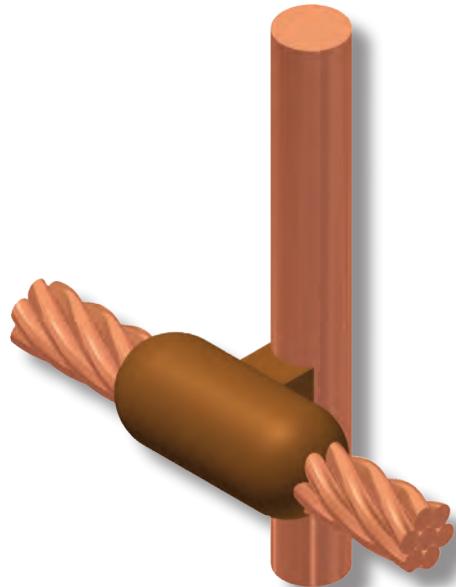
MOLDS FOR METRIC CONDUCTORS						
Ground Rod Size (mm)	Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
12.8	10	M-10788	4	65	B-106	4
	16	M-10789	4	90	B-106	4
	25	M-3372	4	90	B-106	2
	5.6 mm Ø	M-4486	4	90	B-106	4
	30	M-4503	4	90	B-106	4
	35	M-3373	4	90	B-106	2
	50	M-3374	4	90	B-106	2
	8 mm Ø	M-4881	4	90	B-106	2
	70	M-3376	4	90	B-106	2
	95	M-3378	4	115	B-106	4
	120	M-3379	4	150	B-106	2
	5.6 mm Ø	M-4505	4	90	B-106	4
14.3	25	M-3387	4	90	B-106	2
	30	M-4513	4	90	B-106	4
	35	M-3388	4	90	B-106	2
	50	M-3389	4	90	B-106	2
	8 mm Ø	M-4515	4	90	B-106	2
	70	M-3391	4	115	B-106	2
	95	M-3393	4	115	B-106	2
	120	M-3394	4	150	B-106	2
	150	M-3395	4	200	B-106	2
	185	M-3396	4	200	B-106	2
	240	M-3397	4	250	B-106	2
	25	M-3405	4	90	B-106	2
17.2	30	M-4518	4	90	B-106	4
	35	M-3406	4	90	B-106	2
	50	M-3407	4	115	B-106	2
	8 mm Ø	M-4645	4	115	B-106	4
	70	M-3409	4	115	B-106	2
	95	M-3411	4	115	B-106	2
	120	M-3412	4	150	B-106	2
	150	M-3413	4	200	B-106	2
	185	M-3414	4	200	B-106	2
	240	M-3415	4	250	B-106	2
	300	M-3416	5	2-150	B-107	2

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

CR-3

TYPE MOLDS

*Horizontal Thru Cable to Ground Rod
For Metric Conductors*



MOLDS FOR METRIC CONDUCTORS						
Ground Rod Size (mm)	Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
12.8	10	M-10790	24	65	B-106	4
	16	M-10791	24	90	B-106	4
	25	M-2804	24	90	B-106	2
	5.6 mm Ø	M-2805	24	90	B-106	4
	30	M-2808	24	90	B-106	4
	35	M-2813	24	90	B-106	2
	50	M-2815	24	115	B-106	2
	8 mm Ø	M-2816	24	115	B-106	4
	70	M-2818	24	115	B-106	2
	95	M-2819	24	115	B-106	2
14.3	120	M-2821	24	150	B-106	4
	5.6 mm Ø	M-2823	24	90	B-106	4
	30	M-2824	24	90	B-106	4
	35	M-2826	24	115	B-106	2
	50	M-2827	24	115	B-106	2
	8 mm Ø	M-2828	24	115	B-106	4
	70	M-2829	24	115	B-106	2
	95	M-2831	24	115	B-106	2
	120	M-2837	24	150	B-106	2
	150	M-2838	24	150	B-106	2
17.2	185	M-2839	24	250	B-106	4
	240	M-2840	13	2-200	B-107	2
	30	M-2841	24	90	B-106	4
	35	M-2844	24	90	B-106	2
	50	M-2845	24	115	B-106	2
	8 mm Ø	M-2846	24	115	B-106	4
	70	M-2847	24	150	B-106	2
	95	M-2848	24	150	B-106	2
	120	M-4882	24	200	B-106	2
	150	M-2850	24	250	B-106	2
17.2	185	M-2851	13	2-200	B-107	2
	240	M-2852	13	500	B-107	2
	300	M-2853	13	3-200	B-107	2

MOLDS FOR METRIC CONDUCTORS					
Ground Rod Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
12.8	M-3624-H	17	250	B-106	4
14.3	M-3625-H	17	2-150	B-106	4
17.2	M-4522-H	17	2-200	B-106	4

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File

RR-1

TYPE MOLDS

Ground Rod to Ground Rod



METRIC SECTION

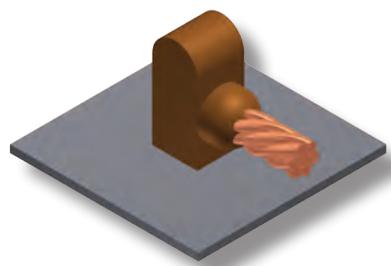
CS-1

TYPE MOLDS

Horizontal Cable to Horizontal Steel Surface

For Metric Conductors

Note that the cable is OFF the surface



MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
8 mm Ø	M-4527	4	90	B-106	2
50	M-3419	4	90	B-106	2
10 mm Ø	M-4529	4	90	B-106	4
70	M-3421	4	90	B-106	2
95	M-3423	4	115	B-106	2
120	M-3424	4	115	B-106	2
150	M-3425	4	150	B-106	2
185	M-3426	4	200	B-106	4
240	M-3427	4	200	B-106	2
300	M-3428	4	250	B-106	4

CS-8

TYPE MOLDS

Horizontal Cable to Horizontal Steel Surface

For Metric Conductors

Note that the cable is ON the surface



MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	M-10792	3†	45	Included	4
16	M-10264	3†	45	Included	4
25	M-3479	3†	45	Included	2
30	M-4530	3†	45	Included	4
35	M-3480	3†	45	Included	2
8 mm Ø	M-4534	3†	45	Included	4
50	M-3481	3†	45	Included	2
10 mm Ø	M-4536	3†	65	Included	4
70	M-3483	3†	65	Included	2
95	M-3485	4	90	Included	2
120	M-3486	4	115	B-106	2
150	M-3487	4	150	B-106	4
185	M-3488	4	200	B-106	2
240	M-3489	4	200	B-106	2
300	M-3490	4	250	B-106	4

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 50 mm² & Larger Molds (CS-8 Molds Only)

METRIC SECTION

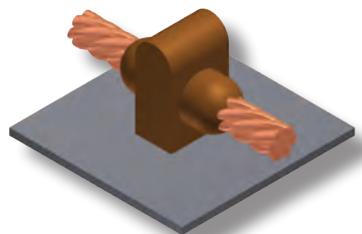
CS-2

TYPE MOLDS

Horizontal Thru Cable to Horizontal Steel Surface

For Metric Conductors

Note that the cable is OFF the surface



MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
8 mm Ø	M-4537	4	90	B-106	2
50	M-4538	4	90	B-106	2
10 mm Ø	M-4551	4	115	B-106	4
70	M-4552	4	115	B-106	2
95	M-4560	4	115	B-106	2
120	M-4585	4	150	B-106	2
150	M-4592	4	200	B-106	4
185	M-4602	4	250	B-106	4
240	M-4617	5	2-150	B-107	4
300	M-4622	5	2-200	B-107	4

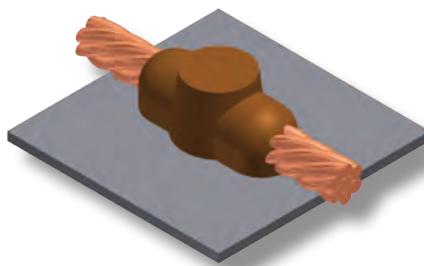
CS-9

TYPE MOLDS

Horizontal Thru Cable to Horizontal Steel Surface

For Metric Conductors

Note that the cable is ON the surface



MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	M-10793	3†	45	Included	4
16	M-10794	3†	45	Included	4
25	M-3496	3†	45	Included	2
30	M-4638	3†	45	Included	4
35	M-3497	3†	45	Included	4
8 mm Ø	M-4641	4	90	B-106	4
50	M-3498	4	90	B-106	2
10 mm Ø	M-4653	4	115	B-106	4
70	M-3500	4	115	B-106	2
95	M-3502	4	115	B-106	2
120	M-3503	4	150	B-106	4
150	M-3504	4	200	B-106	4
185	M-3505	4	250	B-106	4
240	M-3506	5	2-150	B-107	4
300	USE TYPE CS-2				

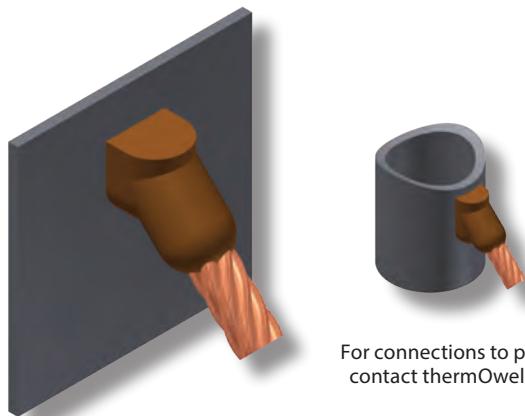
- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - † ~ Sold complete with frame
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp
 - 38-4129-00 ~ Packing Material for 50 mm² & Larger Molds (CS-9 Molds Only)

METRIC SECTION

CS-3

TYPE MOLDS

*Angular Cable Drop to Vertical Steel Surface
For Metric Conductors*



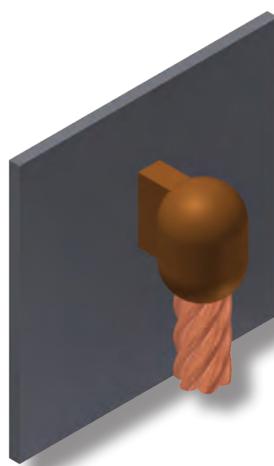
MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	M-10795	4	45	B-106	4
16	M-10796	4	45	B-106	4
25	M-3445	4	45	B-106	2
30	M-4670	4	45	B-106	4
35	M-3446	4	45	B-106	2
8 mm Ø	M-4672	4	90	B-106	2
50	M-3447	4	90	B-106	2
10 mm Ø	M-4691	4	115	B-106	2
70	M-3449	4	90	B-106	2
95	M-3451	4	115	B-106	2
120	M-3452	4	115	B-106	2
150	M-3453	4	115	B-106	4
185	M-3454	4	200	B-106	2
240	M-3455	4	200	B-106	2
300	M-3456	4	250	B-106	4

CS-23

TYPE MOLDS

*Vertical Cable Drop to Vertical Steel Surface
For Copper-Clad Steel Conductors*

Note that the cable is OFF the surface

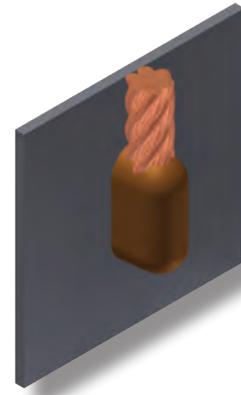


MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	M-3070	4	45	B-106	4
16	M-10797	4	65	B-106	4
25	M-4679	4	65	B-106	2
30	M-10798	4	65	B-106	2
35	M-4114	4	65	B-106	2
8 mm Ø	M-10799	4	65	B-106	4
50	M-3140	4	115	B-106	2
70	M-4678	4	115	B-106	2
95	M-4601	4	150	B-106	2
120	M-3747	4	200	B-106	2
150	M-3080	4	200	B-106	4
185	M-9823	4	250	B-106	2
240	M-10800	17	2-150	B-106	4
300	M-10801	17	2-150	B-106	4

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-4431-00 ~ Magnetic Handle Clamp w/ B-106 Handles
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0101-00 ~ Rasp

CS-7**TYPE MOLDS**

*Overhead Vertical Tap Cable to Vertical Steel Surface
For Metric Conductors*

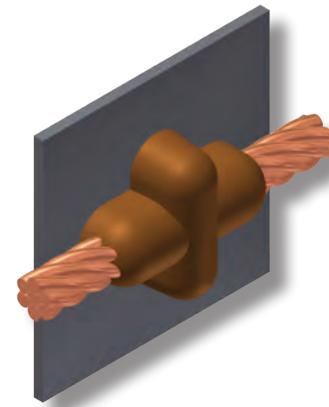


MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	M-10802	4	65	B-106	4
16	M-10803	4	65	B-106	4
25	M-3462	4	65	B-106	4
30	M-4701	4	65	B-106	4
35	M-3463	4	65	B-106	4
8 mm Ø	M-4752	4	90	B-106	4
50	M-3464	4	90	B-106	2
10 mm Ø	M-4769	17	150	B-106	4
70	M-3466	17	150	B-106	2
95	M-3468	17	200	B-106	2
120	M-3469	17	200	B-106	2
150	M-3470	17	250	B-106	2
185	M-3471	6	2-150	B-107	2
240	M-3472	6	2-150	B-107	2
300	M-3473	6	2-200	B-107	4

CS-27**TYPE MOLDS**

*Horizontal Thru Cable to Vertical Steel Surface
For Metric Conductors*

Note that the cable is ON the surface



MOLDS FOR METRIC CONDUCTORS					
Cable Size (mm ²)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	M-10804	4	45	B-106	4
16	M-3522	4	45	B-106	4
25	M-3523	4	45	B-106	2
30	M-4779	4	45	B-106	4
35	M-3524	4	45	B-106	2
8 mm Ø	M-4780	4	65	B-106	4
50	M-3525	4	65	B-106	2
10 mm Ø	M-4833	4	115	B-106	4
70	M-3527	4	115	B-106	2
95	M-3529	4	150	B-106	4
120	M-3530	4	150	B-106	4
150	M-4757	17	200	B-106	4
185	M-4834	5	250	B-107	4
240	M-4835	5	2-150	B-107	4
300	M-2803	5	2-200	B-107	4

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (Price Key 3 Molds Only)
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0101-00 ~ Rasp
38-4129-00 ~ Packing Material for 50 mm² & Larger Molds (CS-27 Molds Only)

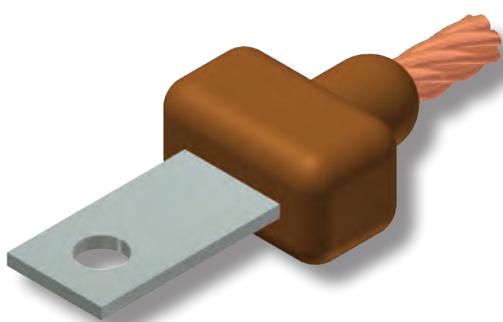
METRIC SECTION

CB-1

TYPE MOLDS

Horizontal Cable Tap to Horizontal Lug or Bus

For Metric Conductors



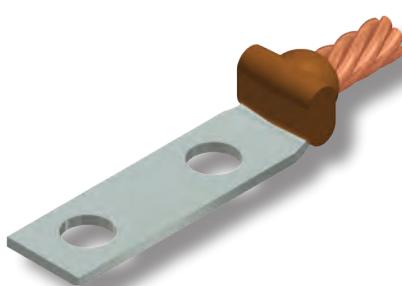
MOLDS FOR METRIC CONDUCTORS							
Cable Size (mm ²)	Lug Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
10	2 X 20	M-10812	4	32	B-106	4	
16	2 X 20	M-10813	4	32	B-106	4	
25	2 X 20	M-3534	4	32	B-106	4	
35	2 X 20	M-3535	4	32	B-106	4	
30	2 X 25	M-3536	4	45	B-106	4	
	2 X 25	M-3537	4	45	B-106	2	
	3 X 25	M-3538	4	65	B-106	2	
	2 X 25	M-3539	4	45	B-106	4	
	3 X 25	M-3540	4	65	B-106	2	
	3 X 25	M-3541	4	65	B-106	2	
	4 X 25	M-3544	4	65	B-106	2	
	3 X 25	M-3545	4	65	B-106	4	
	4 X 25	M-3548	4	65	B-106	4	
	4 X 25	M-3549	4	90	B-106	4	
	5 X 25	M-3550	4	90	B-106	4	
	5 X 25	M-3551	4	90	B-106	2	
	5 X 30	M-3552	4	115	B-106	2	
	5 X 30	M-3553	4	115	B-106	4	
	5 X 40	M-3554	4	150	B-106	4	
	5 X 40	M-3555	4	150	B-106	2	
	5 X 50	M-3556	5	200	B-107	4	
	5 X 50	M-3557	5	200	B-107	4	
	6 X 50	M-3558	5	2-150	B-107	2	
	6 X 50	M-3559	5	2-150	B-107	2	
	8 X 50	M-3560	5	2-200	B-107	4	

CB-33

TYPE MOLDS

Horizontal Cable Tap to Horizontal Lug or Bus

For Metric Conductors



MOLDS FOR METRIC CONDUCTORS								
Cable Size (mm ²)	Lug Size	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	One Hole Lug #	Two Hole Luge #
25	3.18 X 25.4	M-10735	4	32	B-106	4	38-4294-00	38-3575-00
35	3.18 X 25.4	M-10736	4	32	B-106	4	38-4294-00	38-3575-00
50	3.18 X 25.4	M-10737	4	45	B-106	4	38-4294-00	38-3575-00
70	3.18 X 25.4	M-4915	4	45	B-106	2	38-4294-00	38-3575-00
95	4.76 X 25.4	M-10738	4	65	B-106	4	38-4293-00	38-4297-00
120	4.76 X 25.4	M-4284	4	65	B-106	4	38-4293-00	38-4297-00
150	6.35 X 25.4	M-10739	4	90	B-106	4	38-4295-00	38-4298-00
185	6.35 X 25.4	M-10740	4	90	B-106	4	38-4295-00	38-4298-00
240	6.35 X 25.4	M-10741	4	150	B-106	4	38-4295-00	38-4298-00

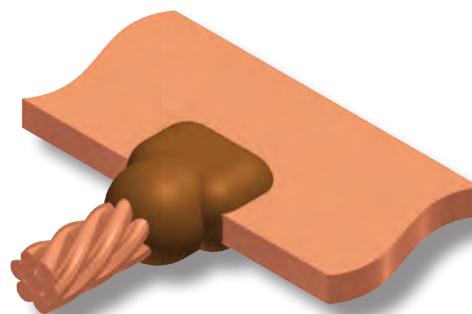
- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush

CB-4

TYPE MOLDS

*For Metric Conductors**Horizontal Cable Tap to Horizontal Bus**For AWG Conductors*

MOLDS FOR METRIC CONDUCTORS						
Cable Size (mm ²)	Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	2 X 20	M-10814	4	25	B-106	4
16	2 X 20	M-10815	4	32	B-106	4
25	2 X 20	M-3563	4	25	B-106	2
35	2 X 20	M-3565	4	32	B-106	2
30	2 X 25	M-3566	4	45	B-106	4
50	2 X 25	M-3567	4	45	B-106	2
	3 X 25	M-3568	4	45	B-106	2
8 mm Ø	2 X 25	M-3569	4	45	B-106	4
	3 X 25	M-3570	4	45	B-106	2
70	3 X 25	M-3571	4	65	B-106	2
	4 X 25	M-3572	4	65	B-106	2
10 mm Ø	3 X 25	M-3575	4	65	B-106	2
	4 X 25	M-3576	4	65	B-106	2
95	4 X 25	M-3579	4	90	B-106	2
	5 X 25	M-3580	4	90	B-106	4
120	5 X 25	M-3581	4	90	B-106	2
	5 X 30	M-3582	4	115	B-106	2
150	5 X 30	M-3583	4	115	B-106	2
	5 X 40	M-3584	4	115	B-106	2
185	5 X 40	M-3585	4	150	B-106	4
	5 X 50	M-3586	4	150	B-106	2
240	5 X 50	M-3587	4	200	B-106	2
	6 X 50	M-3588	4	250	B-106	2
300	6 X 50	M-3589	5	2-150	B-107	2
	8 X 50	M-3590	5	2-200	B-107	2



- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush

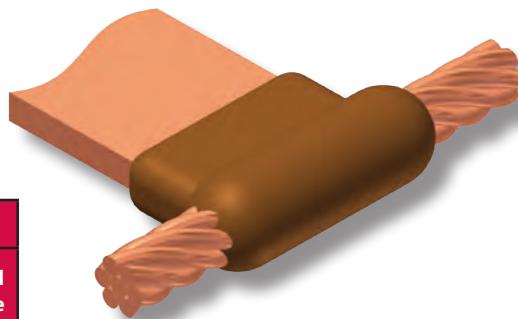
METRIC SECTION

CB-5

TYPE MOLDS

Horizontal Bus Tap to Horizontal Cable Run

For Metric Conductors



MOLDS FOR METRIC CONDUCTORS						
Cable Size (mm ²)	Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
10	2 X 20	M-10816	4	45	B-106	4
16	2 X 20	M-10817	4	45	B-106	4
25	2 X 20	M-3595	4	45	B-106	4
35	2 X 20	M-3596	4	45	B-106	2
30	2 X 25	M-3597	4	65	B-106	4
50	2 X 25	M-3598	4	65	B-106	4
	3 X 25	M-3599	4	65	B-106	2
8 mm Ø	2 X 25	M-3600	4	65	B-106	4
	3 X 25	M-3601	4	65	B-106	4
70	3 X 25	M-3602	4	90	B-106	2
	4 X 25	M-3603	4	115	B-106	2
10 mm Ø	3 X 25	M-3606	4	115	B-106	4
	4 X 25	M-3607	4	150	B-106	4
95	4 X 25	M-3610	4	150	B-106	4
	5 X 25	M-3611	4	150	B-106	4
120	5 X 25	M-3612	4	150	B-106	4
	5 X 30	M-3613	4	200	B-106	4
150	5 X 30	M-3614	4	200	B-106	4
	5 X 40	M-3615	4	250	B-106	4
185	5 X 40	M-3616	4	250	B-106	4
	5 X 50	M-3617	5	2-150	B-107	4
240	5 X 50	M-3618	5	2-150	B-107	2
	6 X 50	M-3619	5	2-200	B-107	2
300	6 X 50	M-3620	5	2-250	B-107	2
	8 X 50	M-3621	5	2-250	B-107	2

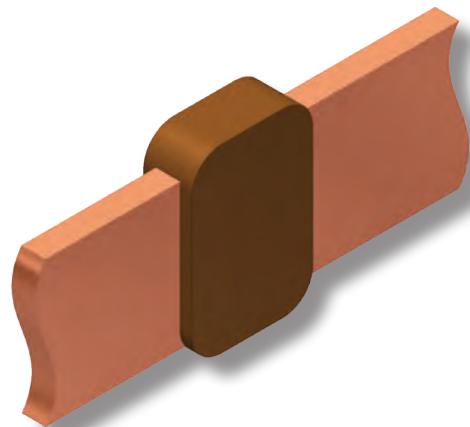
- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For molds with wear plates, see page 6-131.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65
40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush

METRIC SECTION

BB-1

TYPE MOLDS

Horizontal Bus End to End



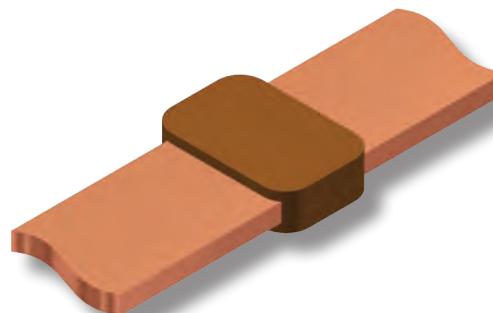
MOLDS FOR METRIC CONDUCTORS

Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2 X 20	M-3628	4	45	B-106	4
2 X 25	M-3629	4	65	B-106	4
2 X 30	M-3630	4	65	B-106	2
3 X 20	M-3631	4	45	B-106	4
3 X 25	M-3632	4	65	B-106	2
3 X 30	M-3633	4	90	B-106	4
3 X 40	M-3634	4	115	B-106	4
4 X 25	M-3635	4	90	B-106	4
4 X 30	M-3636	4	115	B-106	4
4 X 40	M-3637	4	150	B-106	4
5 X 30	M-3638	4	115	B-106	2
5 X 40	M-3639	4	150	B-106	2
5 X 50	M-3640	4	200	B-106	2
6 X 40	M-3641	4	200	B-106	2
6 X 50	M-3642	4	250	B-106	2
6 X 60	M-3643	4	250	B-106	4
6 X 80	M-3644	5	2-200	B-107	4
8 X 50	M-3645	5	2-150	B-107	2
8 X 60	M-3646	5	2-200	B-107	4
8 X 80	M-3647	5	500	B-107	4
10 X 60	M-3648	5	500	B-107	4
10 X 80	M-3649	5	3-200	B-107	4

BB-7

TYPE MOLDS

Horizontal Flat Bus End to End



MOLDS FOR METRIC CONDUCTORS

Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2 X 20	M-3804	4	45	B-106	4
2 X 25	M-3805	4	45	B-106	4
2 X 30	M-3806	4	65	B-106	2
3 X 20	M-3807	4	45	B-106	2
3 X 25	M-3808	4	65	B-106	2
3 X 30	M-3809	4	65	B-106	2
3 X 40	M-3810	4	65	B-106	4
3 X 50	M-3811	4	90	B-106	2
4 X 20	M-3812	4	65	B-106	4
4 X 25	M-3813	4	90	B-106	4
4 X 30	M-3814	4	90	B-106	2
4 X 40	M-3815	4	115	B-106	2
5 X 20	M-3816	4	90	B-106	4
5 X 25	M-3817	4	90	B-106	4
5 X 30	M-3818	4	115	B-106	2
5 X 40	M-3819	4	150	B-106	2
5 X 50	M-3820	5	200	B-107	2
6 X 25	M-3821	4	115	B-106	2
6 X 30	M-3822	4	150	B-106	4
6 X 40	M-3823	4	200	B-106	2
6 X 50	M-3824	5	250	B-107	2
6 X 60	M-3825	5	2-150	B-107	4
8 X 50	M-3826	5	2-150	B-107	2
8 X 60	M-3827	5	2-200	B-107	4
10 X 50	M-3828	5	2-200	B-107	4
10 X 60	M-3829	5	500	B-107	4

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (BB-7 Molds Only)
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500 (BB-7 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0305-00 ~ Card Cloth Brush

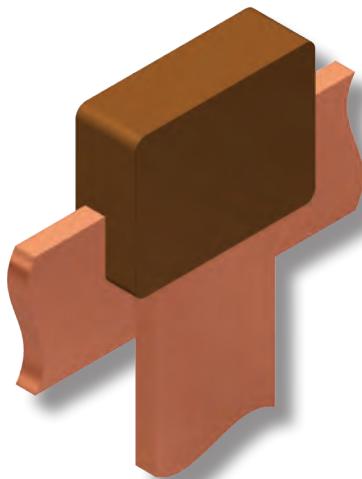
METRIC SECTION

BB-3

TYPE MOLDS

Vertical Drop Tap to Horizontal Run

For Metric Conductors

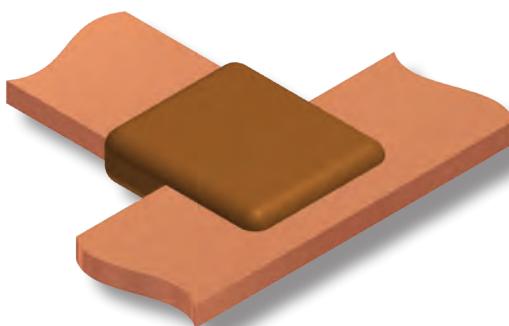


BB-14

TYPE MOLDS

Horizontal Flat Bus Run and Tap

For Metric Conductors



- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (BB-41 Molds Only)
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500 (BB-41 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0305-00 ~ Card Cloth Brush

MOLDS FOR METRIC CONDUCTORS					
Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2 X 20	M-3703	4	45	B-106	4
2 X 25	M-3704	4	65	B-106	4
2 X 30	M-3705	4	65	B-106	2
3 X 20	M-3706	4	65	B-106	2
3 X 25	M-3707	4	65	B-106	2
3 X 30	M-3708	4	90	B-106	4
3 X 40	M-3709	4	115	B-106	4
4 X 25	M-3710	4	90	B-106	2
4 X 30	M-3711	4	115	B-106	2
4 X 40	M-3712	4	150	B-106	2
5 X 30	M-3713	4	115	B-106	2
5 X 40	M-3714	4	150	B-106	4
5 X 50	M-3715	4	200	B-106	4
6 X 40	M-3716	4	200	B-106	2
6 X 50	M-3717	4	250	B-106	2
6 X 60	M-3718	5	2-150	B-107	4
6 X 80	M-3719	6	2-200	B-107	4
8 X 50	M-3720	4	2-150	B-106	2
8 X 60	M-3721	5	2-200	B-107	4
8 X 80	M-3722	6	500	B-107	4
10 X 60	M-3723	5	500	B-107	4
10 X 80	M-3724	6	3-200	B-107	4

MOLDS FOR METRIC CONDUCTORS					
Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2 X 20	M-3831	4	45	B-106	4
2 X 25	M-3832	4	45	B-106	4
2 X 30	M-3833	4	65	B-106	2
3 X 20	M-3834	4	45	B-106	4
3 X 25	M-3835	4	65	B-106	2
3 X 30	M-3836	4	65	B-106	2
3 X 40	M-3837	4	90	B-106	4
4 X 20	M-3838	4	65	B-106	2
4 X 25	M-3839	4	90	B-106	2
4 X 30	M-3840	4	90	B-106	2
4 X 40	M-3841	4	115	B-106	2
5 X 20	M-3842	4	90	B-106	2
5 X 25	M-3843	4	90	B-106	2
5 X 30	M-3844	4	115	B-106	2
5 X 40	M-3845	4	150	B-106	2
5 X 50	M-3846	5	200	B-107	2
6 X 40	M-3847	4	200	B-106	2
6 X 50	M-3848	5	250	B-107	2
6 X 60	M-3849	5	2-150	B-107	4
8 X 50	M-3850	5	2-150	B-107	2
8 X 60	M-3851	5	2-200	B-107	4
10 x 40	M-9200	5	150	B-107	4
10 X 60	M-3852	5	500	B-107	4

METRIC SECTION

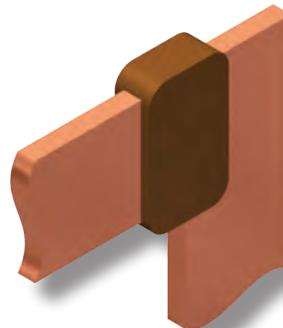
MOLDS FOR METRIC CONDUCTORS

Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2 X 20	M-10831	4	45	B-106	4
2 X 25	M-10832	4	45	B-106	4
2 X 30	M-10833	4	45	B-106	4
3 X 20	M-4514	4	45	B-106	2
3 X 25	M-4509	4	45	B-106	2
3 X 30	M-10834	4	65	B-106	4
3 X 40	M-5977	4	65	B-106	4
4 X 25	M-10835	4	90	B-106	4
4 X 30	M-10836	4	90	B-106	4
4 X 40	M-10837	4	115	B-106	4
5 X 30	M-10838	4	115	B-106	4
5 X 40	M-9976	4	150	B-106	2
5 X 50	M-10839	4	200	B-106	4
6 X 40	M-10840	4	200	B-106	4
6 X 50	M-4472	4	250	B-106	2
6 X 60	M-10841	5	2-150	B-107	4
6 X 80	M-10842	5	2-200	B-107	4
8 X 50	M-10843	5	2-200	B-107	4
8 X 60	M-10844	5	500	B-107	4
8 X 80	M-10845	6	3-200	B-107	4
10 X 60	M-10846	5	500	B-107	4
10 X 80	M-10847	6	3-200	B-107	4

BB-2

TYPE MOLDS

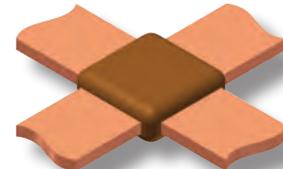
Horizontal to Vertical at Right Angle



BB-40

TYPE MOLDS

Horizontal Flat Bus Cross



MOLDS FOR METRIC CONDUCTORS

Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
3 X 25	M-3748	4	150	B-106	2
6 X 25	M-4966	5	2-150	B-107	2

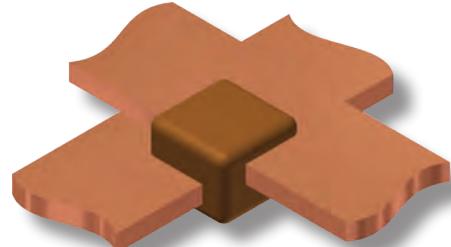
MOLDS FOR METRIC CONDUCTORS

Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2 X 20	M-9807	4	45	B-106	4
2 X 25	M-4344	4	65	B-106	2
2 X 30	M-9796	4	65	B-106	4
3 X 20	M-9797	4	65	B-106	2
3 X 25	M-4935	4	65	B-106	2
3 X 30	M-9798	4	90	B-106	4
3 X 40	M-10848	4	115	B-106	2
3 X 50	M-4123	5	115	B-106	4
4 X 20	M-9811	4	115	B-106	2
4 X 25	M-9800	4	90	B-106	2
4 X 30	M-9801	4	90	B-106	2
4 X 40	M-9802	4	150	B-106	2
5 X 20	M-10849	4	115	B-106	4
5 X 25	M-6902	4	115	B-106	4
5 X 30	M-9803	4	115	B-106	2
5 X 40	M-9804	4	150	B-106	4
5 X 50	M-9805	5	200	B-106	2
6 X 25	M-9386	4	200	B-106	2
6 X 30	M-10850	4	200	B-106	4
6 X 40	M-9767	4	200	B-106	2
6 X 50	M-3370	5	250	B-107	2
6 X 60	M-10851	5	2-150	B-107	4
8 X 50	M-10852	5	2-200	B-107	4
8 X 60	M-10853	5	500	B-107	4
10 X 50	M-10854	5	500	B-107	4
10 X 60	M-10855	5	3-200	B-107	4

BB-41

TYPE MOLDS

Horizontal to Horizontal Flat Bus



- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 40-0319-01 ~ Mold Cleaner for cartridge sizes #15-#65 (BB-41 Molds Only)
 - 40-0319-03 ~ Mold Cleaner for cartridge sizes #90-#500 (BB-41 Molds Only)
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0305-00 ~ Card Cloth Brush

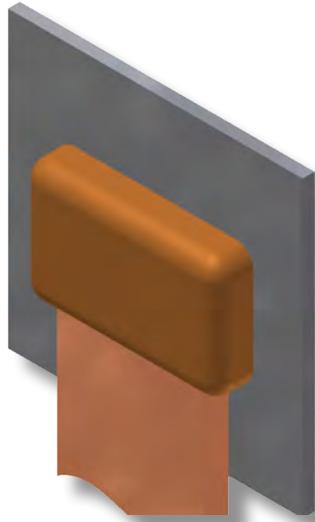
METRIC SECTION

BS-1

TYPE MOLDS

Vertical Tap to Vertical Steel Surface

For Metric Conductors



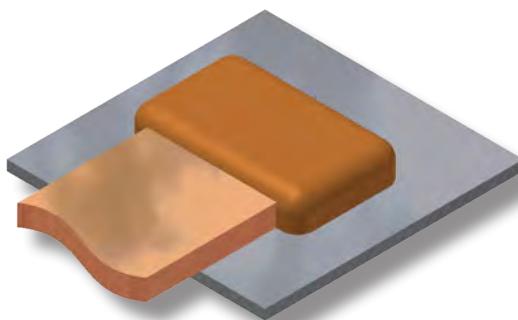
MOLDS FOR METRIC CONDUCTORS						
Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
2 X 20	M-4066	4	65	B-106	4	
2 X 25	M-4067	4	90	B-106	4	
2 X 30	M-4068	4	90	B-106	2	
3 X 20	M-4069	4	65	B-106	4	
3 X 25	M-4070	4	90	B-106	2	
3 X 30	M-4071	4	90	B-106	4	
3 X 40	M-4072	4	150	B-106	4	
4 X 25	M-4073	4	90	B-106	2	
4 X 30	M-4074	4	115	B-106	4	
4 X 40	M-4075	4	200	B-106	4	
5 X 30	M-4076	4	150	B-106	2	
5 X 40	M-4077	4	200	B-106	2	
5 X 50	M-4078	4	250	B-106	2	
6 X 40	M-4079	4	250	B-106	4	
6 X 50	M-4080	5	2-150	B-107	4	
6 X 60	M-4081	5	2-200	B-107	4	
6 X 80	M-4082	5	500	B-107	4	
8 X 50	M-4083	5	2-200	B-107	4	
8 X 60	M-4084	5	500	B-107	4	
8 X 80	M-4085	5	3-200	B-107	4	
10 X 60	M-4086	5	3-200	B-107	4	
10 X 80	M-4087	5	3-250	B-107	4	

BS-2

TYPE MOLDS

Horizontal Tap to Horizontal Steel Surface

For Metric Conductors



MOLDS FOR METRIC CONDUCTORS						
Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time	
2 X 20	M-4090	4	65	B-106	4	
2 X 25	M-4091	4	90	B-106	4	
3 X 20	M-4092	4	90	B-106	4	
3 X 25	M-4093	4	90	B-106	2	
3 X 30	M-4094	4	115	B-106	4	
3 X 40	M-4095	4	115	B-106	4	
4 X 25	M-4096	4	90	B-106	4	
4 X 30	M-4097	4	150	B-106	4	
4 X 40	M-4098	4	200	B-106	4	
5 X 30	M-4099	4	200	B-106	4	
5 X 40	M-4100	4	200	B-106	2	
5 X 50	M-4101	5	2-150	B-107	4	
6 X 40	M-4102	4	250	B-106	4	
6 X 50	M-4103	5	2-150	B-107	4	
8 X 50	M-4104	5	2-200	B-107	4	

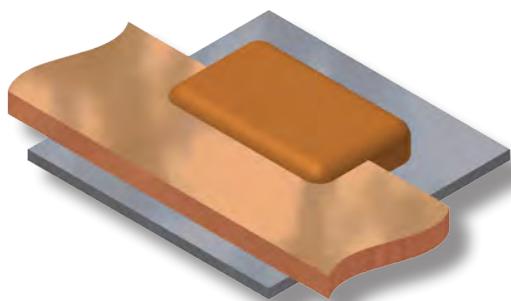
- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
 - 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0306-00 ~ Card Cloth Brush
 - 38-0101-00 ~ Rasp

METRIC SECTION

BS-3

TYPE MOLDS

*Horizontal Thru Bar to Horizontal Steel Surface
For Metric Conductors*



MOLDS FOR METRIC CONDUCTORS					
Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2 X 20	M-2892	4	65	B-106	4
2 X 25	M-2893	4	90	B-106	4
3 X 20	M-2909	4	90	B-106	4
3 X 25	M-2911	4	115	B-106	2
3 X 30	M-2912	4	115	B-106	2
3 X 40	M-2913	4	150	B-106	4
4 X 25	M-2939	4	115	B-106	4
4 X 30	M-2940	4	150	B-106	4
4 X 40	M-2954	4	200	B-106	4
5 X 30	M-2985	4	200	B-106	4
5 X 40	M-2986	4	250	B-106	4
5 X 50	M-2989	4	250	B-106	4
6 X 50	M-2990	4	250	B-106	4
8 X 60	M-4257	5	2-150	B-107	4
10 X 60	M-4266	5	2-200	B-107	4

- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0306-00 ~ Card Cloth Brush
38-0101-00 ~ Rasp

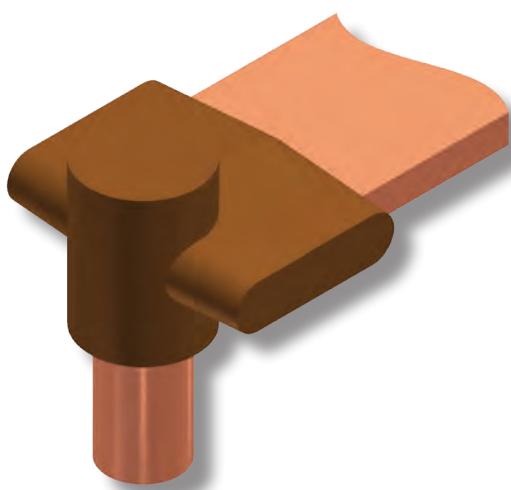
METRIC SECTION

BR-1

TYPE MOLDS

Horizontal Bus Terminal to Ground Rod

For Metric Conductors



MOLDS FOR METRIC CONDUCTORS						
Ground Rod Size (mm)	Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
12.8	2 X 20	M-3912	4	65	B-106	4
	2 X 25	M-3913	4	65	B-106	4
	2 X 30	M-3914	4	90	B-106	4
	3 X 20	M-3915	4	90	B-106	4
	3 X 25	M-3916	4	90	B-106	2
	3 X 30	M-3917	4	90	B-106	4
	3 X 40	M-3918	4	90	B-106	4
	3 X 50	M-3919	4	115	B-106	4
	4 X 20	M-3920	4	90	B-106	4
	4 X 25	M-3921	4	90	B-106	4
14.3	2 X 30	M-3922	4	115	B-106	4
	3 X 20	M-3923	4	90	B-106	4
	3 X 25	M-3924	4	90	B-106	2
	3 X 30	M-3925	4	115	B-106	4
	3 X 40	M-3926	4	115	B-106	4
	3 X 50	M-3927	4	150	B-106	4
	4 X 20	M-3928	4	90	B-106	4
	4 X 25	M-3929	4	115	B-106	2
	5 X 25	M-3930	4	115	B-106	4
	5 X 30	M-3931	4	150	B-106	2
	5 X 40	M-3932	4	150	B-106	4
	5 X 50	M-3933	4	200	B-106	2
	6 X 25	M-3934	4	150	B-106	2
	6 X 30	M-3935	4	150	B-106	2
	6 X 40	M-3936	4	200	B-106	4
	6 X 50	M-3937	5	200	B-107	2
17.2	2 X 30	M-3938	4	150	B-106	4
	3 X 20	M-3939	4	115	B-106	4
	3 X 25	M-3940	4	150	B-106	2
	3 X 30	M-3941	4	150	B-106	4
	3 X 40	M-3942	4	200	B-106	4
	3 X 50	M-3943	5	2-150	B-107	4
	4 X 20	M-3944	4	150	B-106	4
	4 X 25	M-3945	4	150	B-106	4
	5 X 25	M-3946	4	150	B-106	4
	5 X 30	M-3947	4	200	B-106	4
	5 X 40	M-3948	4	200	B-106	4
	5 X 50	M-3853	5	2-150	B-107	4
	6 X 25	M-3854	4	200	B-106	4
	6 X 30	M-3855	4	250	B-106	4
	6 X 40	M-3856	5	2-150	B-107	4
	6 X 50	M-3857	5	2-200	B-107	4

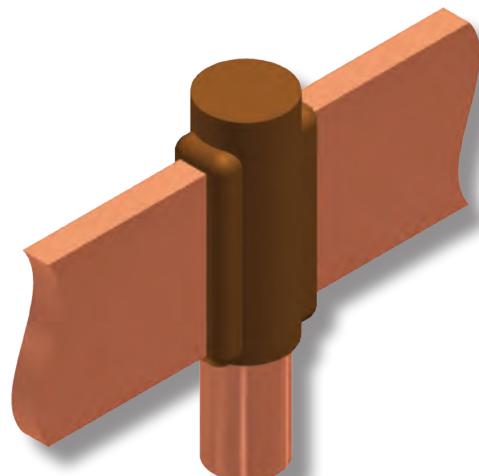
- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles) 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

BR-2

TYPE MOLDS

*Horizontal Bus to Ground Rod**For Metric Conductors*

MOLDS FOR METRIC CONDUCTORS						
Ground Rod Size (mm)	Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
12.8	2 X 20	M-3949	4	65	B-106	4
	2 X 25	M-3950	4	65	B-106	4
	2 X 30	M-3951	4	90	B-106	4
	3 X 20	M-3952	4	90	B-106	4
	3 X 25	M-3953	4	90	B-106	4
	3 X 30	M-3954	4	90	B-106	4
	3 X 40	M-3955	4	90	B-106	4
	3 X 50	M-3956	4	115	B-106	4
	4 X 20	M-3957	4	90	B-106	4
	4 X 25	M-3958	4	90	B-106	4
14.3	2 X 30	M-3959	4	90	B-106	4
	3 X 20	M-3960	4	90	B-106	4
	3 X 25	M-3961	4	90	B-106	2
	3 X 30	M-3962	4	115	B-106	4
	3 X 40	M-3963	4	150	B-106	4
	3 X 50	M-3964	4	200	B-106	4
	4 X 20	M-3965	4	90	B-106	4
	4 X 25	M-3966	4	115	B-106	2
	5 X 25	M-3967	4	115	B-106	4
	5 X 30	M-3968	4	150	B-106	2
	5 X 40	M-3969	4	150	B-106	4
	5 X 50	M-3970	4	200	B-106	4
	6 X 25	M-3971	4	150	B-106	2
	6 X 30	M-3972	4	150	B-106	4
	6 X 40	M-3973	4	200	B-106	2
	6 X 50	M-3974	4	250	B-106	2
17.2	2 X 30	M-3975	4	150	B-106	4
	3 X 20	M-3976	4	150	B-106	4
	3 X 25	M-3977	4	150	B-106	2
	3 X 30	M-3978	4	150	B-106	4
	3 X 40	M-3979	4	200	B-106	4
	3 X 50	M-3980	5	2-150	B-107	4
	4 X 20	M-3981	4	150	B-106	4
	4 X 25	M-3982	4	200	B-106	4
	5 X 25	M-3983	4	150	B-106	4
	5 X 30	M-3984	4	200	B-106	2
	5 X 40	M-3985	4	200	B-106	4
	5 X 50	M-3986	5	2-150	B-107	4
	6 X 25	M-3987	4	200	B-106	2
	6 X 30	M-3988	4	250	B-106	2
	6 X 40	M-3989	4	250	B-106	4
	6 X 50	M-3988	5	2-150	B-107	2



- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles) 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0304-00 ~ File
38-0330-00 ~ Cable Clamp

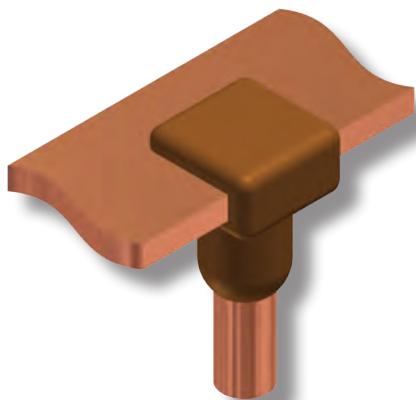
METRIC SECTION

BR-7

TYPE MOLDS

Horizontal Bus to Ground Rod

For Metric Conductors



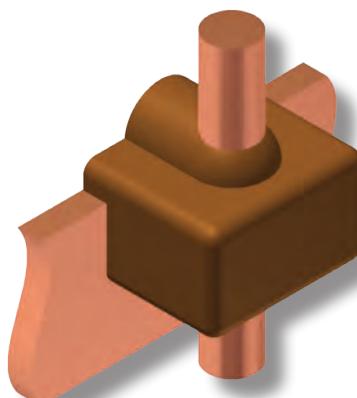
MOLDS FOR METRIC CONDUCTORS						
Ground Rod Size (mm)	Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
12.8	2 X 30	M-10818	4	115	B-106	4
14.3		M-10819	4	115	B-106	4
17.2		M-10820	4	115	B-106	4
12.8	3 X 25	M-10821	4	150	B-106	4
14.3		M-4851	4	150	B-106	2
17.2		M-9311	4	200	B-106	4
12.8	6 X 50 & Wider	M-10822	4	150	B-106	4
14.3		M-9747	5	200	B-107	2
17.2		M-9781	5	200	B-107	2

BR-3

TYPE MOLDS

Horizontal Thru Bus to Ground Rod

For Metric Conductors



MOLDS FOR METRIC CONDUCTORS						
Ground Rod Size (mm)	Bus Bar Size (mm)	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
12.8	3 X 25	M-10778	24	200	B-106	4
14.3	3 X 25	M-2919	24	200	B-106	4
17.2	3 X 25	M-10779	24	2-200	B-106	4

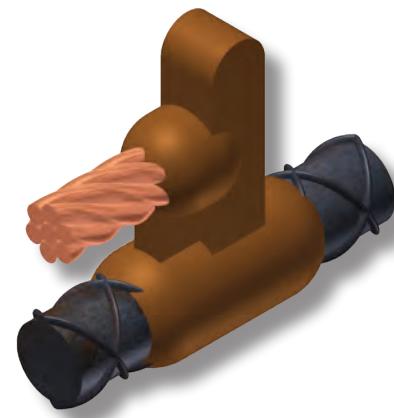
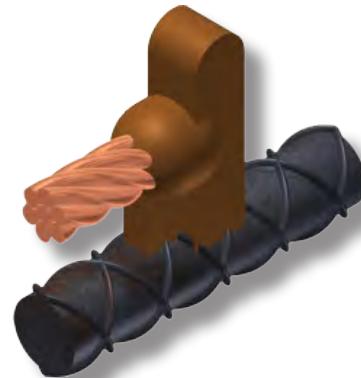
- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles) 38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush
 - 38-0135-00 ~ Cable Cleaning Brush
 - 38-0304-00 ~ File
 - 38-0330-00 ~ Cable Clamp

CRE-1

TYPE MOLDS

*Horizontal Parallel Tap
For Metric Conductors*

MOLDS FOR AWG CONDUCTORS							
Rebar Size (mm)	Cable Size (mm ²)	Mold #	Packing Mat'l # See Note	Price Key	Weld Metal	Handle Clamps	Lead Time
12	25	M-10746	38-0329	4	45	B-106	4
	35	M-10747	38-0329	4	45	B-106	4
	50	M-8789	38-0329	4	90	B-106	2
	70	M-8790	38-0329	4	90	B-106	2
	95	M-8787	38-0329	4	90	B-106	2
16	25	M-10748	38-0329	4	45	B-106	4
	35	M-10749	38-0329	4	45	B-106	4
	50	M-8782	38-0329	4	90	B-106	2
	70	M-8793	38-0329	4	90	B-106	2
	95	M-8813	38-0329	4	115	B-106	2
22 & Larger	35	M-10750	38-4062	14†	45	Included	4
	50	M-10751	38-4062	14†	90	Included	4
	70	M-10752	38-4062	14†	90	Included	2
	95	M-10753	38-4062	14†	115	Included	4



- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools:
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
† ~ Sold complete with frame
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0304-00 ~ File

REBAR PACKING

A packing material is necessary when making thermOweld® connections to Rebar. Be sure to specify Packing Material No. when ordering Mold and Weld Metal. Packing Material is either copper shim stock or ceramic fiber pad and can be used for **one** connection only.

Part #38-0329-00 Copper Shim

Part #38-4061-00 3" x 3" x 1/4"

Part #38-4062-00 3" x 3" x 1/4"

Part #38-4063-00 3" x 2 1/2" x 1/4"



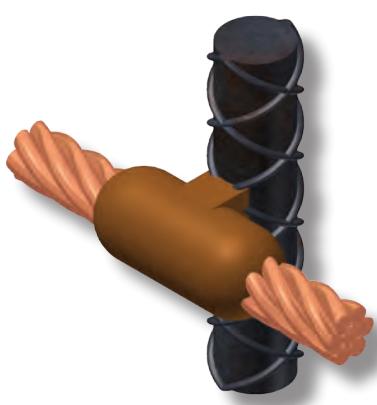
METRIC SECTION

CRE-3

TYPE MOLDS

Horizontal thru Cable to Vertical Rebar

For Metric Conductors



MOLDS FOR AWG CONDUCTORS							
Rebar Size (mm)	Cable Size (mm ²)	Mold #	Packing Mat'l # See Note	Price Key	Weld Metal	Handle Clamps	Lead Time
12	25	M-10823	38-0329	24	90	B-106	4
	35	M-10824	38-0329	24	90	B-106	4
	50	M-10825	38-0329	24	115	B-106	4
	70	M-10826	38-0329	24	115	B-106	2
	95	M-10827	38-0329	24	150	B-106	4
16	25	M-10828	38-0329	24	90	B-106	4
	35	M-9892	38-0329	24	90	B-106	2
	50	M-10829	38-0329	24	115	B-106	4
	70	M-3297	38-0329	24	115	B-106	2
	95	M-3302	38-0329	24	150	B-106	2
22 & Larger	35	M-10830	38-4063	4	115	B-106	2
	50	M-9998	38-4063	4	115	B-106	2
	70	M-9285	38-4063	4	115	B-106	2
	95	M-9288	38-4063	4	150	B-106	2

- **For sizes not listed, contact thermOweld®.**
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
 - Handle Clamps w/ Flint Ignitor (see chart for correct handles)
† ~ Sold complete with frame
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
 - Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0304-00 ~ File



REBAR PACKING

A packing material is necessary when making thermOweld® connections to Rebar. Be sure to specify Packing Material No. when ordering Mold and Weld Metal. Packing Material is either copper shim stock or ceramic fiber pad and can be used for **one** connection only.

Part #38-0329-00 Copper Shim

Part #38-4061-00 3" x 3" x 1/4"

Part #38-4062-00 3" x 3" x 1/4"

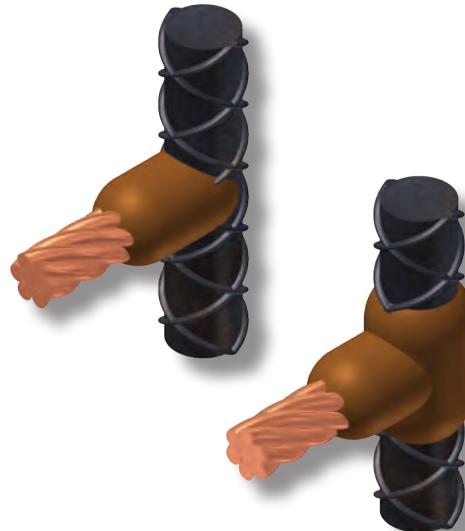
Part #38-4063-00 3" x 2 1/2" x 1/4"

METRIC SECTION

CRE-6

TYPE MOLDS

*Horizontal Cable Tap to Vertical Rebar
For Metric Conductors*



MOLDS FOR AWG CONDUCTORS							
Rebar Size (mm)	Cable Size (mm²)	Mold #	Packing Mat'l # See Note	Price Key	Weld Metal	Handle Clamps	Lead Time
12	25	M-10766	38-0329	4	65	B-106	4
	35	M-10767	38-0329	4	65	B-106	4
	50	M-10768	38-0329	4	115	B-106	2
	70	M-3740	38-0329	4	115	B-106	2
	95	M-10769	38-0329	4	150	B-106	2
16	25	M-10770	38-0329	4	65	B-106	4
	35	M-10771	38-0329	4	65	B-106	4
	50	M-10772	38-0329	4	115	B-106	4
	70	M-4263	38-0329	4	115	B-106	2
	95	M-10773	38-0329	4	150	B-106	2
22 & Larger	25	M-10774	38-4063	4	65	B-106-32	4
	35	M-47	38-4063	4	65	B-106-32	2
	50	M-4113	38-4063	4	115	B-106-32	2
	70	M-3876	38-4063	4	115	B-106-32	2
	95	M-8692	38-4063	4	150	B-106-32	2

BRE-8

TYPE MOLDS

*Horizontal Bus Tap to Vertical Rebar
For Metric Conductors*



MOLDS FOR AWG CONDUCTORS							
Rebar Size (mm)	Bus Bar Size (mm)	Mold #	Packing Mat'l # See Note	Price Key	Weld Metal	Handle Clamps	Lead Time
12	3 X 25	M-3668	38-0329	17	115	B-106	4
16		M-10775	38-0329	17	200	B-106	2
22		M-10776	38-0329	7	250	B-106	4
25		M-3669	38-0329	7	250	B-106	2
32		M-10777	38-0329	7	250	B-106	4

- For sizes not listed, contact thermOweld®.
- For heavy duty connections, contact thermOweld®.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required Tools;
Handle Clamps w/ Flint Ignitor (see chart for correct handles)
38-0309-00 ~ Flint Ignitor or 38-EZLT-RU EZ Lite Remote®
- Other recommended accessories;
38-3922-00 ~ Mold Cleaning Brush
38-0135-00 ~ Cable Cleaning Brush
38-0304-00 ~ File



REBAR PACKING

A packing material is necessary when making thermOweld® connections to Rebar. Be sure to specify Packing Material No. when ordering Mold and Weld Metal. Packing Material is either copper shim stock or ceramic fiber pad and can be used for **one** connection only.

- Part #38-0329-00 Copper Shim
- Part #38-4061-00 3" x 3" x 1/4"
- Part #38-4062-00 3" x 3" x 1/4"
- Part #38-4063-00 3" x 2 1/2" x 1/4"

TROUBLE SHOOTING TIPS

TROUBLE SHOOTING TIPS

Problem	Probable Cause	Correction To Make
Insufficient metal to make weld.	Worn mold resulting in leaking weld metal. See image 5 page 11-263	Replace mold or if only worn around conductor opening, use duct seal around conductor. Do not get duct seal into mold cavity.
	Wrong size cartridge for mold. See image 5 page 11-263	Check ID plate for mold and compare with number on bottom of cartridge.
	Too much spillage when dumping powder. See image 3 page 11-262	Carefully open lid while holding over crucible and dump.
	Wrong mold for conductor being used.	Replace with correct mold. In some applications, shim stock or adapter sleeves can be used to enlarge cable to fit mold.
Mold does not close tightly causing weld metal to leak out.	Handle clamps not properly adjusted.	Remove set screw between the handles of the mold and adjust handle tension by backing out the eye bolt.
	Dirt or slag stuck in parting line of mold.	Clean mold thoroughly between connections.
	Bent or out-of-round cable.	Straighten or cut out bad section of cable.
Handle clamps will not lock closed.	Handle clamps not properly adjusted.	Remove set screw between the handles of the mold and adjust handle tension by backing out the eye bolt.
Excessively high weld, bubbly or gassy appearance, poor weld.	Moisture in mold. See image 6 page 11-263	Pre-heat mold to above 220° F with a propane torch.
	Oil, grease, moisture or foreign material on conductors. See image 6 page 11-263	Pre-heat conductors with propane torch then use a clean wire brush on conductor to remove any residue left on conductors. If welding to cast iron or steel surface, weld area must be cleaned down to bright metal.
	Wrong size cartridge for mold. See image 4 page 11-262	Check ID plate for mold and compare with number on bottom of cartridge.
	Duct seal in weld cavity.	Take special precautions to keep duct seal out of weld cavity.
	Weld powder has gotten wet.	Replace with fresh, dry weld powder.
Weld metal blows out top of mold.	Mold worn or chipped around disc seal allowing powder to leak into mold cavity.	Replace mold.
	Forgot to use steel disc or did not seat it properly at bottom of crucible.	Make sure disc is seated at bottom of crucible before pouring the powder into crucible.

Continued on next page

TROUBLE SHOOTING TIPS

Problem	Probable Cause	Correction To Make
Cannot ignite powder.	Insufficient starting powder in ignition pocket on mold lid.	Place at least half of starting powder in ignition pocket of mold lid.
	Flint ignitor not shooting enough spark.	Clean flint ignitor according to directions on box or replace flint ignitor.
	Starting powder lumped together.	Break up starting powder on lid with edge of powder tube.
Mold wearing out too fast.	Improper cleaning of mold.	Use mold cleaner, soft natural bristle brush or clean rag to clean mold between shots. Do not use wire brush or screwdriver on molds.
	Bent or out of round cable causes chipping and premature wear of the mold.	Use caution when closing mold. Do not force mold shut around bent, twisted or out of round conductors.
Poor weld to ground rod.	Weight of mold not supported during reaction causing mold to slip when cable melts.	Use locking pliers on ground rod under mold to support the weight of the mold during the reaction.
	Moisture or contaminant on cable or ground rod.	Pre-heat conductors with propane torch then use a clean wire brush on conductors to remove any residue left on conductors.
Weld will not stick to steel surface.	Improperly cleaned area on steel.	An area larger than the weld area should be cleaned down to bright clean metal.
	Moisture or contaminant on cable or steel surface.	Pre-heat conductors with propane torch then use a clean wire brush on conductors to remove any residue left on conductors.
	Cable is improperly positioned in mold, blocking the flow of weld metal.	Position cable in mold in accordance with directions for mold. If directions are not available, position top of cable in the center of where the liquid weld metal hits the steel.
Weld will not stick to cast iron surface.	All of the causes listed under welding to steel surface also apply to this section.	
	Not using CI (Cast Iron) powder.	Specify "CI" behind cartridge when order powder (i.e. 25 CI).
Cable pulls out of mold when it is fired.	Cables are either twisted or under tension.	Use 38-0330-00 cable clamp or other method to remove tension. Cut out severely twisted cable.

TROUBLE SHOOTING TIPS

EXAMPLES OF ACCEPTABLE AND NON ACCEPTABLE WELDS

A Good connection is a normal weld with only minor surface imperfections.

An Acceptable connection is a less than normal weld, but a good performing weld. Imperfections indicate that:

- 1) a new mold is required,
- 2) a change in procedure is necessary, or
- 3) the proper mold conductor and/or welding material was not used.

A Bad connection shows inadequate fill or an extra high riser due to

- 1) use of incorrect procedure,
- 2) use of incorrect equipment and/or equipment worn beyond its useful life, or
- 3) use of incorrect material.

Good Weld



Image 1: A solid weld with only minor surface imperfections.

Acceptable Welds

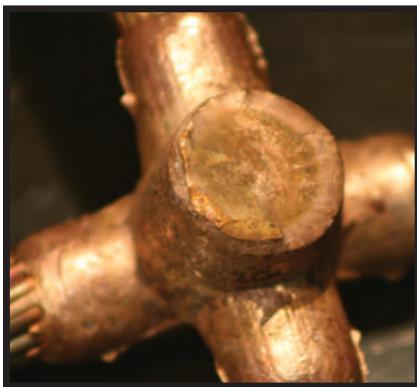


Image 2: Fill is lower than normal, but still sufficient.



Image 3: A worn or incorrect mold was used, allowing leakage around conductor. The fill in this connection is sufficient to make it as acceptable.



Image 4: Weld is too high. This makes it difficult to remove the weld from the mold.

Continued on next page

EXAMPLES OF ACCEPTABLE AND NON ACCEPTABLE WELDS

Bad Welds



Image 5: Fill too low. Weld cavity was not filled over cable strands.



Image 6: Contaminated weld. Cables excessively dirty or moisture present.



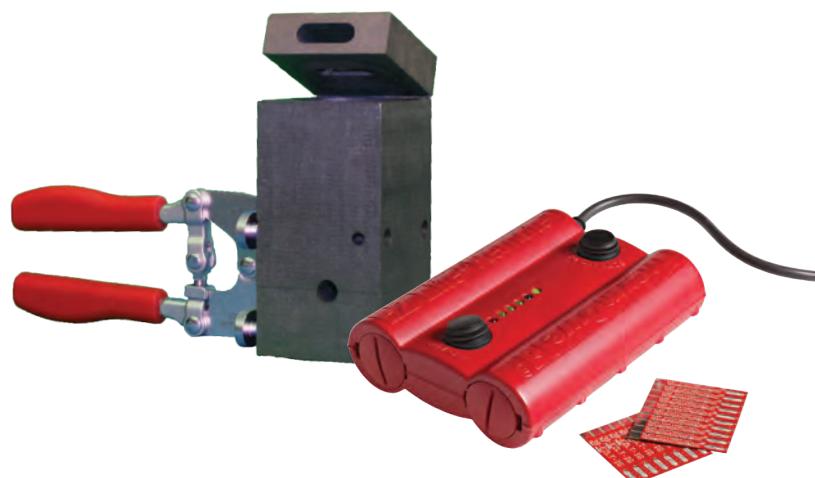
Image 7: Poor connectivity. Visible wire shown in weld.

TROUBLE SHOOTING TIPS

TROUBLE SHOOTING TIPS for the EZ Lite Remote® Ignition System

USE A FLINT IGNITOR OR THE EZ Lite Remote® AND NEVER BE STUCK OUT ON THE JOB

Problem	Probable Cause	Correction To Make
Weld metal does not ignite.	Batteries need to be replaced.	Check the battery level indicator; if yellow or red replace with 4 D alkaline batteries.
Ignitor does not ignite.	Ignitor not inserted in the connector properly.	Make sure the ignitor is inserted such that it snaps in the connector.
	Batteries need to be replaced.	Check battery level indicator; if yellow or red replace with 4 D alkaline batteries.
	Ignitor could be used or damaged.	Replace with a new ignitor.
	Cord damaged by improper storage	Replace unit
Battery level indicator does not function.	Batteries need to be replaced.	Replace with 4 D size alkaline batteries.
	Batteries inserted incorrectly.	Check direction at the back of the remote unit to insert the batteries.
	Incorrect battery type.	Make sure D size alkaline batteries are used.
	Blown fuse.	Replace fuse with GMA-6A Cooper Bussmann or equivalent.
	Cold weather has effected the batteries.	Use our Cold Weather kit page 6-127, or keep EZ Lite Remote warm.



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TERMS AND CONDITIONS

STANDARD TERMS AND CONDITIONS OF SALE

1. Applicability. BURNDY, LLC ("Seller") hereby offers for sale to the buyer named on the face hereof ("Buyer") the products listed on the face hereof (the "Products") on the express condition that Buyer agrees to accept and be bound by the terms and conditions set forth herein. Any provisions contained in any document issued by Buyer are expressly rejected and if these terms and conditions differ from the terms of Buyer's offer, this document shall be construed as a counter offer and shall not be effective as an acceptance of Buyer's document. Buyer's receipt of Products provided hereunder will constitute Buyer's acceptance of these terms and conditions. This is the complete and exclusive statement of the contract between Seller and Buyer with respect to Buyer's purchase of the Products. No waiver, consent, modification, amendment or change of the terms contained herein shall be binding unless in writing and signed by Seller and Buyer. Seller's failure to object to terms contained in any subsequent communication from Buyer will not be a waiver or modification of the terms set forth herein. All orders are subject to acceptance in writing by an authorized representative of Seller.

2. Prices. Prices in written quotations issued by Seller are valid for thirty (30) days. All other prices are subject to change at any time, unless otherwise expressly agreed by Seller. Any prices shown in published literature are maintained as a general source of information and are not quotations or offers to sell. Seller reserves the right to make corrections due to typographical, clerical or engineering errors or due to incomplete or inaccurate information from Buyer. Prices for accepted orders may change due to customer order, quantity, material or engineering changes.

3. Taxes. Prices do not include any state, local, use or excise taxes, duties or other charges now or hereafter imposed for which Seller may be liable as a result of the sale, use or delivery of the Products ("Taxes"). In the absence of proper evidence of exemption supplied by Buyer to Seller, Buyer will be responsible for any and all such Taxes.

4. Minimum Order Quantity. Orders are subject to standard package sizes.

5. Payment Terms. Subject to credit approval, unless otherwise specified on the quotation or invoice, payment terms shall be Net 30 days from the date of invoice. All payment shall be in US dollars. If Buyer fails to pay any amounts when due, Buyer agrees to pay Seller interest thereon at a periodic rate of the greater of the maximum percentage allowed by law or 1% per month. Buyer will also be responsible for all costs and expenses, including attorneys' fees incurred by Seller in collecting any overdue amounts or otherwise enforcing Seller's rights hereunder.

6. Shipping and Delivery. Estimated delivery dates are provided in the quotation or acknowledgment, and shall not represent a fixed or guaranteed ship date. Unless otherwise agreed to by Seller, Seller reserves the right to ship at its convenience and/or ship and invoice for partial orders. All deliveries are FCA Seller's location (INCOTERMS 2010); freight may be pre-paid and added to invoice. Seller may stop delivery of Products in transit and/or withhold shipments in whole or in part if Buyer fails to make any payment to Seller when due or otherwise fails to perform under these terms. In the event of a delay due to any cause beyond Seller's reasonable control, Seller reserves the right to terminate the order or to reschedule the shipment within a reasonable period of time, and Seller shall not be responsible for any damages resulting from delay. If delivery is delayed due to any cause within Buyer's control, Seller may place the Products in storage at Buyer's risk and expense and for Buyer's account.

7. Title and Risk of Loss. Title and risk of loss to the Products shall pass to Buyer upon delivery by Seller to the carrier.

8. Cancellations, Returns. Orders may not be cancelled or modified once accepted by Seller unless agreed upon in writing by Seller. Any cancellation or return of Products shall be subject to Seller's return policies, and may be subject to Seller's cancellation or restocking fee. Seller's restocking policy is available upon request. Non-stock or special order items are non-cancellable and non-returnable. No returns shall be permitted without a Return Material Authorization (RMA).

9. Packaging, Allocation. All Products are packaged in accordance with Seller's standard packaging, unless otherwise agreed upon by the parties. Additional or modified packaging requirements may result in an increase in price. In the event of inability for any reason to supply the total demand for the materials or Products specified, Seller may allocate its available supply among any or all purchasers, at its discretion and without liability for failure of performance that may result therefrom.

10. Tooling. Any tooling required for an initial order will be billed to Buyer. Any Non-Recurring Engineering (NRE) charges invoiced by Seller shall not be deemed to grant any right, title or interest in any tools, dies, jigs, fixtures and items of like nature, or in any design, engineering, trade secret, patent or other proprietary rights embodied in the tooling, upon Buyer's payment of such charges and such items shall at all times be, and remain, the property of Seller.

11. Warranty.

11.1 Seller warrants that the Products will perform substantially in accordance with Seller's published specifications (or other applicable specifications as agreed upon in writing by Seller) and will be free from defects in material and workmanship, when subject to normal, proper and intended usage by properly trained personnel, for the following warranty period, which shall begin on the date of shipment by Seller (the "Warranty Period"): (a) Tools: The Warranty Period shall be as specified in the product literature or, if no period is so specified, five (5) years; (b) UL Listed Products: the Warranty Period shall be two (2) years; (c) for all other products, the Warranty Period shall be 30 days. (d) For UL Certified Compression Connection (the "Connection"), provided that the Connection is made using (i) a recommended and properly calibrated tool, (ii) a recommended and properly calibrated die set, and (iii) a compression connector manufactured by Seller and specified in the UL Listing for such connection, and Buyer otherwise complies with the requirements set forth in the applicable UL Listing, Seller warrants that the Connection will conform with the UL Listing for a period of 5 years from the date the Connection is made, provided such Connection is made within one year of the purchase of the connector used in the Connection.

11.2 Remedies. During the Warranty Period, Seller agrees to repair or replace, at Seller's option, Products in order to ensure that the Products perform in accordance with the applicable specifications provided that Buyer shall (a) promptly notify Seller in writing upon the discovery of any defect, which notice shall include the product model and serial number (if applicable) and details of the warranty claim; and (b) after Seller's review, Seller will provide Buyer with a RMA. Buyer may return the defective Products to Seller with all costs prepaid by Buyer. In case of a defect in the Connection during the Warranty Period, Seller shall replace the connector used to make such connection. All replaced parts shall become the property of Seller. Shipment to Buyer of repaired or replacement Products shall be made in accordance with the Delivery provisions herein. Any consumables, including but not limited to, bulbs and batteries, are excluded from warranty. Seller will have no obligation to make repairs, replacements or corrections which are defective as a result of: (i) normal wear and tear, (ii) Buyer's misuse, fault or negligence, (iii) use of the Products in a manner for which they were not designed, or (iv) improper storage, maintenance, installation and handling of the Products, and in the case of the Connection, Buyer's failure to use Seller's Tool, connector and die set Products, as specified in 11.1 (d) above, and in accordance with the requirements of the UL Listing for such Connection. If Seller determines that Products for which Buyer has requested warranty services are not covered by the warranty hereunder, Buyer shall pay or reimburse Seller for all costs of investigating and responding to such request at Seller's then prevailing time and materials rates. If Seller provides repair services or replacement parts that are not covered by this warranty, Buyer shall pay Seller therefor at Seller's then prevailing time and materials rates. THE OBLIGATIONS CREATED BY THIS WARRANTY TO REPAIR OR REPLACE A DEFECTIVE PRODUCT SHALL BE THE SOLE REMEDY OF BUYER IN THE EVENT OF A DEFECTIVE PRODUCT OR SERVICE. EXCEPT AS EXPRESSLY PROVIDED HEREIN,

TERMS AND CONDITIONS

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12. Intellectual Property. Seller's specifications and design of the Products and any developments, improvements and intellectual property created under this order, whether made solely by a party or jointly by Buyer and Seller ("Intellectual Property") shall be owned by Seller. Buyer is not granted any interest, right or license with respect to any such intellectual property, except to the extent required to use the Products for the purpose for which it is specifically provided to Buyer in accordance with these terms and conditions.

13. Software. With respect to any software incorporated in or forming a part of the Products hereunder ("Software"), Seller and Buyer intend and agree that such Software is being licensed and not sold. Notwithstanding anything to the contrary contained herein, Seller or its licensor, as the case may be, retains all rights and interest in Software. Seller hereby grants to Buyer a royalty-free, non-exclusive, nontransferable license, without power to sublicense, to use Software provided hereunder solely in connection with the Products and to use the related documentation solely for Buyer's own internal business purposes. This license will terminate when Buyer's lawful possession of the Products ceases, unless earlier terminated as provided herein. Buyer agrees to not sell, transfer, license, loan or otherwise make available in any form Software to any third party. Buyer may not disassemble, decompile or reverse engineer, copy, modify, enhance or otherwise change or supplement the Software without Seller's prior written consent. Seller may terminate this license if Buyer fails to comply with any term or condition herein.

14. Indemnity. By Seller. Seller agrees to indemnify, defend and save Buyer from and against any and all damages, liabilities, actions, causes of action, suits, claims, demands, losses, costs and expenses (including without limitation reasonable attorney's fees) ("Claims") for (i) personal injury or death or damage to real property to the extent caused by the negligence or willful misconduct of Seller, its employees, agents or representatives in connection with the performance of services at Buyer's premises and (ii) claims that a Product infringes any valid United States patent, copyright or trade secret. Notwithstanding the foregoing, Seller shall have no liability to the extent any such Claims are caused by either (i) the negligence or willful misconduct of Buyer or third party, (ii) use of a Product in combination with equipment or software not supplied by Seller where the Product would not itself be infringing, (iv) Seller's compliance with Buyer's designs, specifications or instructions, (v) use of the Product in an application or environment for which it was not designed or (vi) service, installation or modification of any Product except by Seller. Buyer shall provide Seller prompt written notice of any Claims and Seller shall have the right to assume exclusive control of the defense of such claim or, at the option of the Seller, to settle the same. Buyer agrees to cooperate reasonably with Seller in connection with the performance by Seller of its obligations in this Section. Notwithstanding the above, Seller's infringement related indemnification obligations shall be extinguished and relieved if Seller, at its discretion and at its own expense (a) procures for Buyer the right, at no additional expense to Buyer, to continue using the Product; (b) replaces or modifies the Product so that it becomes non-infringing, provided the modification or replacement does not adversely affect the specifications of the Product or (c) if neither of the preceding is reasonably practicable, refund the purchase price for the Product. THE FOREGOING INDEMNIFICATION PROVISION STATES SELLER'S ENTIRE

LIABILITY TO BUYER FOR THE CLAIMS DESCRIBED HEREIN.

By Buyer. Buyer shall indemnify, defend and hold harmless Seller from and against any and all Claims to the extent arising from or in connection with (i) the negligence or willful misconduct of Buyer; (ii) use of a Product in combination with equipment or software not supplied by Seller where the Product itself would not be infringing; (iii) Seller's compliance with designs, specifications or instructions supplied to Seller by Buyer; (iv) use of a Product in an application or environment for which it was not designed; or (v) modifications of a Product by anyone other than Seller.

15. Limitation of Liability. Notwithstanding anything to the contrary contained herein, Seller's aggregate liability for any claim of any kind shall not exceed the price paid by Buyer for the products giving rise to such claim. IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, LIQUIDATED, OR CONSEQUENTIAL DAMAGES HOWSOEVER ARISING OUT OF SELLER'S PERFORMANCE (OR NON-PERFORMANCE) OF THE CONTRACT AND NOTWITHSTANDING WHETHER BUYER MAY HAVE BEEN ADVISED OR IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

16. Compliance with Laws. Export Laws. Seller agrees to observe and comply with all applicable federal, state and local laws, rules, regulations, including but not limited to all applicable laws, regulations, laws, treaties, and agreements relating to the export, re-export, and import of any Product or part of Product. Buyer shall not, without first obtaining any required license to do so from the appropriate U.S. government agency; (i) export or re-export any Product or part of a Product, or (ii) export, re-export, distribute or supply any Product or part of a Product to any restricted or embargoed country or to a person or entity whose privilege to participate in exports has been denied or restricted by the U.S. government. At Seller's request, Buyer will provide information on the end user and end use of any Product or part thereof exported or to be exported by Buyer. Buyer shall cooperate fully with Seller in any audit or inspection related to applicable export or import control laws or regulations, and shall indemnify and hold Seller harmless from, or in connection with, any violation of this section by Buyer or its employees, consultants, or agents.

17. Miscellaneous. (a) Any legal claim shall be controlled under the laws of the state of the Seller's primary place of business. Seller and Buyer agree to accept and be bound by the exclusive jurisdiction of the federal and state courts thereof. The application to this Agreement of the U.N. Convention on Contracts for the International Sale of Goods is hereby expressly excluded.

(b) In the event that any one or more provisions contained in these terms shall be held by a court of competent jurisdiction to be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall remain in full force and effect.

(c) Seller's failure to enforce or waive of a breach of any provision contained herein shall not constitute a waiver of any other breach or of such provision.

(d) Any notice or communication required or permitted hereunder shall be in writing and shall be deemed received when personally delivered or three (3) business days after being sent by certified mail, postage prepaid, to a party at the address specified herein or at such other address as either party may from time to time designate to the other. (e) Buyer may not assign or delegate any rights or obligations without Seller's prior written consent. (f) Seller reserves the right to place a Lien and notifications of liens should Seller not be paid for equipment provided hereunder. (g) Buyer agrees that all pricing, discounts, data, design and technical information, operations/maintenance manuals, testing procedures, drawings, schematics and any other information regarding the Products or Seller's processes provided by Seller to Buyer are the confidential and proprietary information of Seller. Buyer agrees to (a) keep such information confidential and not disclose such information to any third party, and (b) use such information solely for Buyer's internal purposes and in connection with the Products supplied hereunder. Nothing herein shall restrict the use of information available to the general public.



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Rev. 12/01/2018

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