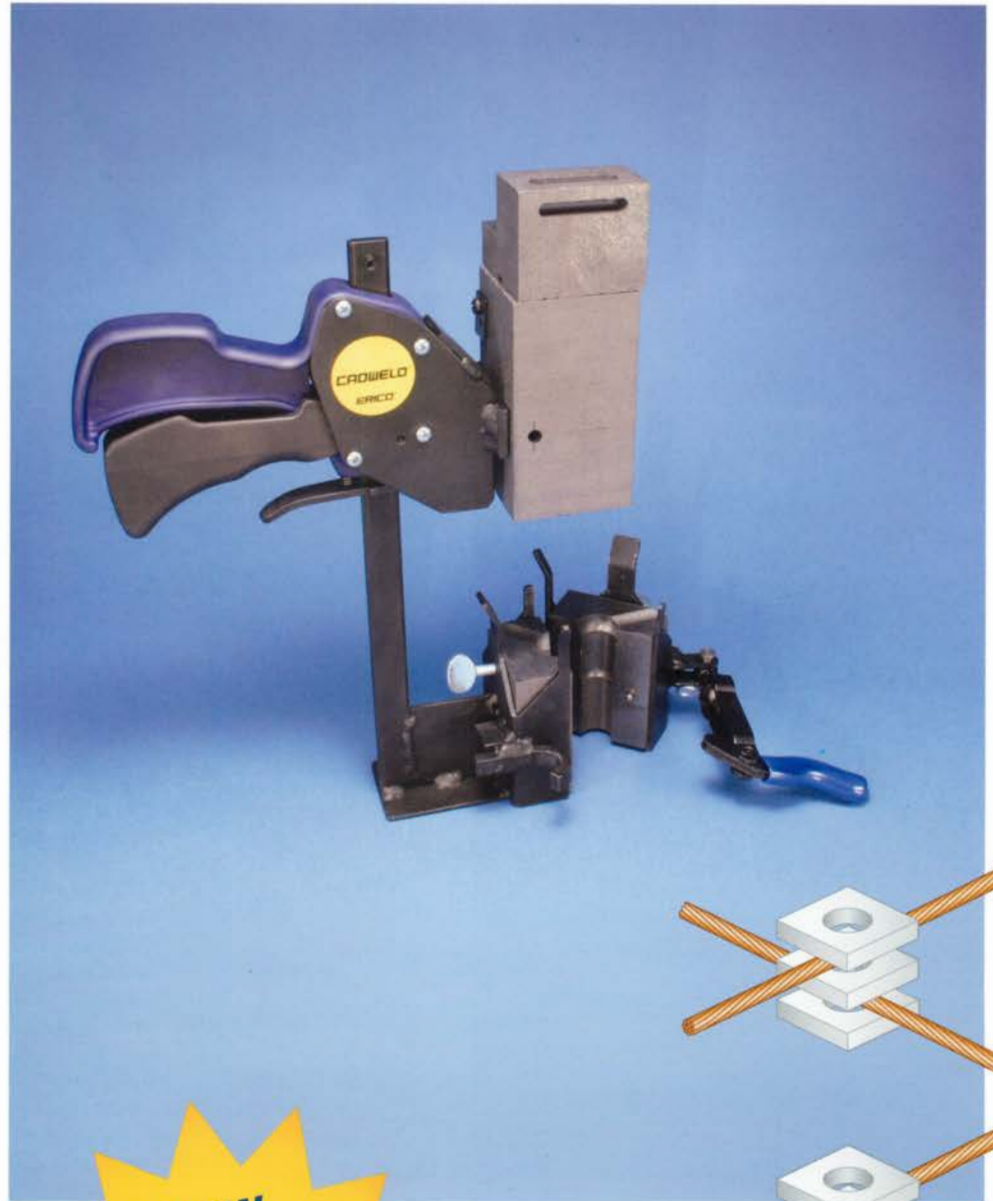


**ERITECH**

# CADWELD® MULTI

A New Evolution In Exothermic Welding



**NEW  
UPGRADED  
DESIGN**

CADWELD® MULTI  
now performs  
connections to  
ground rods



**RUSTROL® SYSTEMS**

*Interprovincial Corrosion Control Company Limited*

930 Sheldon Court, Burlington, Ontario, CANADA

Tel: (905) 634-7751 Fax: (905) 333-4313 Website: [www.Rustrol.com](http://www.Rustrol.com)



## Exothermic Welded Connections

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



## CADWELD® Connection

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

## CADWELD® MULTI

The new CADWELD MULTI offers enhanced user benefits:

- Now performs welds to ground rods
- Versatile mold produces an unlimited variety of connections
- Patented self-sealing system prevents weld metal leakage
- Compact compression structure enables easy alignment of conductors
- Language-free instruction guide
- Lightweight kit for easy transportation
- Easy-to-use system completes weld in seconds
- Video available on [www.erico.com](http://www.erico.com)

## Standard Compliance

CADWELD MULTI satisfies the requirements of:

- BS 6651
- BS 7430
- NFC 15-100
- IEEE® 837-1987
- IEEE 80-2000
- IEC<sup>SM</sup> 1025-1 (ENV 61024-1)

**Patented**

# CADWELD® MULTI

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



**Welding material sold separately.**

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

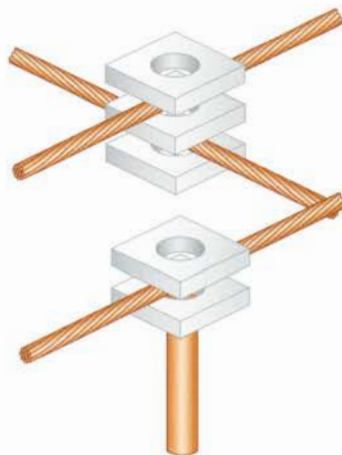
## How Does It Work?

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



The process is similar to the classic CADWELD with one distinct difference... *there is no need to change the mold for different connection types.*

The whole process is complete in about one minute. The back page table details the gasket quantities required for each weld.



## 4 Easy steps for multiple welded, electrical connections



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



**STEP 3** Close cover and connect CADWELD PLUS control unit.

CADWELD MULTI also works with CADWELD Tra

**CADWELD® MULTI offers all of the benefits of CADWELD® connections:**

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

Welding material sold separately.



**Multiple, permanently connections**



**STEP 2** Add CADWELD PLUS welding material.



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

ditional Welding Material.



GT



PK



CP



SS



CN



RF



TG



XA



TA



PG

# CADWELD® MULTI Connection Capabilities

## Copper Cable/Solid to Copper Cable/Solid



## Copper Cable/Solid Strip to Rebar



## Copper Strip to Copper Strip



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



## Galvanized Steel Strip to Galvanized Steel Strip



## Ground Rod Connections



## CADWELD® MULTI Available Items

Part Nr	Article Nr	Description	Weight (kg)
KITCDMV01	167782	CADWELD MULTI Kit	25.000
<b>The CADWELD MULTI kit (KITCDMV01) contains the following list of items:</b>			
FMCDMV01	120883	Handle Clamp	1.800
CDMV01H	240399	Mold for H welds	1.200
CDMV0112	240398	Mold for welds on 1/2 rods	1.200
CDMV0158	240397	Mold for welds on 5/8 rods	1.200
CDMV0134	240396	Mold for welds on 3/4 rods*	1.200
SCDM01	120886	Set of 33 batting/gaskets	0.200
B399P	162070	SKK1 clamp	0.500
TSCSTP	197295	Toolset	2.000
B136B	182030	Slag Removal Spade	0.144
		Language free instruction sheet	1
<b>The following items can be used with the CADWELD MULTI Kit (KITCDMV01). They are sold separately.</b>			
T320	165000	Flint Ignitor T320	0.090
90	163040	CADWELD Traditional welding material	0.090
115	163050	CADWELD Traditional welding material	0.115
PLUSCU	165745	Control Unit	1.088
PLUS#90F20	165705	CADWELD PLUS welding material	0.158
PLUS#115F20	165706	CADWELD PLUS welding material	0.185

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

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



### NOTES:

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

### NEW Products:

A NEW Version of the Kit:

- INCLUDES a complete package of molds
- EXCLUDES welding material, control units, or ignitors

Due to ERICO's continuous product improvement policy, products shown in this catalog are subject to change without notice. If you would like to know more about the benefits of CADWELD MULTI contact ERICO or visit: [www.erico.com](http://www.erico.com)

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