

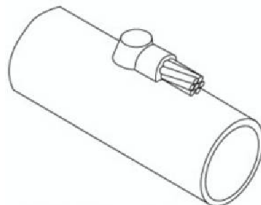
# Cadweld<sup>®</sup> Type CAHA

## Thermite Welders and Metal

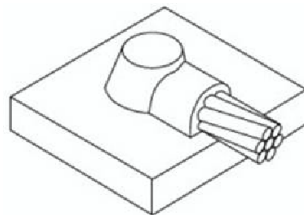
### For Horizontal Steel Connectors

Strong wire connections begin with the right welding equipment. Cadweld is a name synonymous with long-lasting thermite welds, and is the right choice for making anode and test lead connections on your cathodic protection system. Type CAHA welders and metal are designed to form horizontal connections on steel pipe or flat-surface steel structures. They are constructed with specially sized welding cavities and crucibles to allow excellent control over the direction and flow of the molten weld metal. Because they can withstand extremely high temperatures, the welders may be used to make approximately 50 to 100 connections. Cadweld metal is composed of a mixture of copper oxide and aluminum. It is packaged with starting powder in individual plastic tubes.

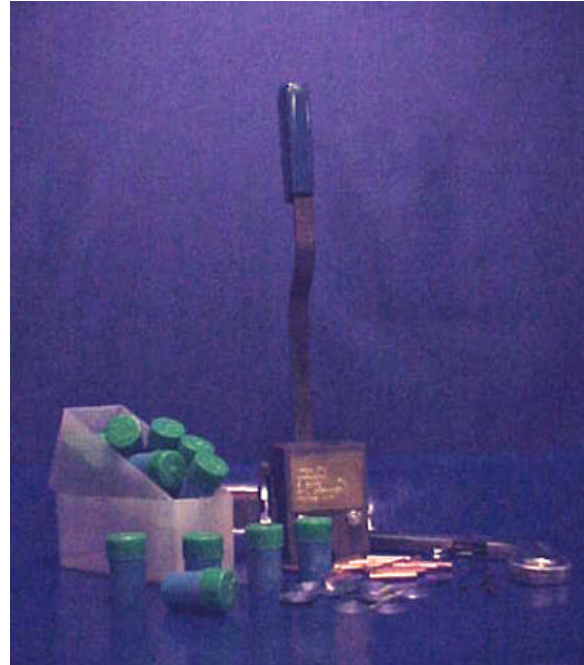
Cadweld connections are made by igniting the starting powder contained in each weld metal tube. This causes the powdered weld metal to change into a molten state and flow into the weld cavity. The fusion weld that is formed has the same current capacity as the conductor, and will not corrode. The welding process will not damage even thin-wall, high-strength pipe.



CAHA - Cable to Horizontal Steel Pipe



CAHA - Cable on surface



### Typical Applications

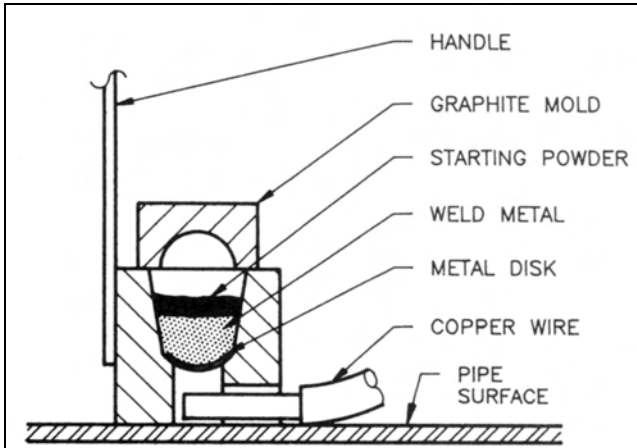
Cadweld connections are an accepted method for attaching cathodic protection leads to pipes, tanks, or any other buried metallic structure. The Type CAHA welders and metal are designed specifically for horizontal welds on steel pipe or any flat surface steel structure. CAHA welding metal cannot spontaneously ignite, and may be handled and stored without danger. It also does not require special packaging or labeling when shipped. Because the Cadweld welders and weld metal are specially engineered to work in conjunction, they should not be used with any other manufacturer's thermite welding products.

## Cadweld® Type CAHA Thermite Welders and Metal

### Ordering Procedure

Brance Krachy Co., Inc. is an authorized Erico distributor and stocks a full line of Type CAHA welders and metal. To order the right welder and metal for your particular application, indicate that you need Cadweld welding equipment, and specify the welder part number and/or the welding metal part number, along with the quantity desired. An example is included to help illustrate this process.

Ordering Procedure Example	
ITEM	EXAMPLE
Quantity	1
Product	<i>Cadweld Equipment</i>
CAHA Welder Part No.	<i>CAHAA-1KB</i>
Quantity	100
CAHA Weld Metal Part No.	<i>CA15</i>



### Cadweld Type CAHA Ordering Info

CONDUCTOR SIZE	SURFACE	WELDER PART NO.†	WELD METAL PART NO.
#14 to #10 Solid (use sleeve CAB-133-1H)*; or #8 Solid or Stranded; or #6 Solid	Flat (4" & larger pipe) 3/4" to 3-1/2" pipe	CAHAA-1G CAHAA-1GA	CA15 CA15
6 Stranded	Flat (4" & larger pipe) 3/4" to 3-1/2" pipe	CAHAA-1H CAHAA-1HA	CA15 CA15
4 Solid	Flat (6" & larger pipe) 3/4" to 3-1/2" pipe 4" to 5" pipe	CAHAA-1K CAHAA-1KA <i>CAHAA-1KB</i>	CA15 CA15 <i>CA15</i>
4 Stranded	Flat (6" & larger pipe) 3/4" to 3-1/2" pipe 4" to 5" pipe	CAHAA-1L CAHAA-1LA CAHAA-1LB	CA15 CA15 CA15
2 Solid	Flat (10" & larger pipe) 1" to 3-1/2" pipe 4" to 8" pipe	CAHAA-1T CAHAA-1TA CAHAA-1TB	CA25 CA25 CA25
2 Stranded	Flat (16" & larger pipe) 1" to 3-1/2" pipe 4" to 8" pipe 10" to 14" pipe	CAHAA-1V CAHAA-1VA CAHAA-1VB CAHAA-1VC	CA32 CA32 CA32 CA32
1 Stranded	Flat (16" & larger pipe) 1-1/2" to 3-1/2" pipe 4" to 8" pipe 10" to 14" pipe	CAHAA-1Y CAHAA-1YA CAHAA-1YB CAHAA-1YC	CA45 CA45 CA45 CA45
1/0 Stranded	Flat (20" & larger pipe) 2-1/2" to 3-1/2" pipe 4" to 8" pipe 10" to 18" pipe	CAHAA-2C CAHAA-2CA CAHAA-2CB CAHAA-2CC	CA65 CA65 CA65 CA65
2/0 Stranded	Flat (20" & larger pipe) 2-1/2" to 3-1/2" pipe 4" to 8" pipe 10" to 18" pipe	CAHAA-2G CAHAA-2GA CAHAA-2GB CAHAA-2GC	CA65 CA65 CA65 CA65

\* 1 sleeve per connection

† Welder Part No. includes mold frame. If mold only (less frame) is required, order Welder Part No. "M".

