

**THERMITE WELDING EQUIPMENT****Cadweld<sup>®</sup> Type CAVS****Thermite Welders and Metal****For Vertical Steel Connections**

Thermite welding is the accepted method for connecting anode and test lead wires to buried metallic structures, and no other brand of welding equipment has a better reputation for quality and reliability than Cadweld. For making vertical connections on steel pipe or flat-surface steel structures, the company manufactures the Type CAVS welders and metal. The CAVS welders are designed with locking and hold-down handles, and are made from solid graphite. Because they can withstand extremely high temperatures, the welders can be used over and over 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 for making quality welds that will not loosen or corrode.

Cadweld connections do not require the use of external power or heat. A flint igniter gun is provided in each mold to ignite the starting powder included in each weld metal pack. This starts an exothermic reaction, which welds the wire conductors to the structure, but will not damage even thin-wall, high-strength pipe.

**Typical Applications**

Cadweld connections are an accepted method for attaching cathodic protection leads to pipes, tanks, or any other metallic structure. The Type CAVS welders and metal are designed specifically for vertical welds on steel pipe or any flat-surface steel structure. The welding metal is supplied in individually packaged plastic tubes, and cannot spontaneously ignite. It may be handled and stored without danger, and 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.

**Corrpro Companies Europe Limited**

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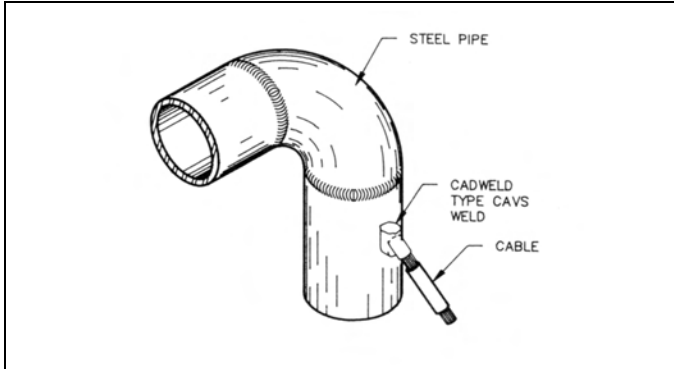
## Cadweld® Type CAVS

### Thermite Welders and Metal

#### Ordering Procedure

Corrpro is an authorized Erico distributor, and stocks a full line of Type CAVS 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 weld 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>
CAVS Welder Part No.	<i>CAVST-1KB</i>
Quantity	100
CAVS Weld Metal Part No.	<i>CA25</i>



#### Cadweld Type CAVS 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 (12" & larger pipe)	CAVST-1G	CA15
	3/4" to 3-1/2" pipe	CAVST-1GA	CA15
	4" to 10" pipe	CAVST-1GB	CA15
6 Stranded	Flat (12" & larger pipe)	CAVST-1H	CA15
	3/4" to 3-1/2" pipe	CAVST-1HA	CA15
	4" to 10" pipe	CAVST-1HB	CA15
4 Solid	Flat (12" & larger pipe)	CAVST-1K	CA2G
	3/4" to 1-1/2" pipe	CAVST-1KA	CA25
	2" to 4" pipe	<i>CAVST-1KB</i>	<i>CA25</i>
	5" to 10" pipe	CAVST-1KC	CA25
4 Stranded	Flat (12" & larger pipe)	CAVST-1L	CA2G
	3/4" to 1-1/2" pipe	CAVST-1LA	CA25
	2" to 4" pipe	CAVST-1LB	CA25
	5" to 10" pipe	CAVST-1LC	CA25
2 Solid	Flat (14" & larger pipe)	CAVST-1T	CA2G
	1" to 1-1/2" pipe	CAVST-1TA	CA25
	2" to 4" pipe	CAVST-1TB	CA25
	5" to 12" pipe	CAVST-1TC	CA25
2 Stranded	Flat (14" & larger pipe)	CAVST-1V	CA32
	1" to 1-1/2" pipe	CAVST-1VA	CA32
	2" to 3" pipe	CAVST-1VB	CA32
	4" to 6" pipe	CAVST-1VC	CA32
1 Stranded	Flat (18" & larger pipe)	CAVSP-1Y	CA45
	1-1/2" to 2-1/2" pipe	CAVSP-1YA	CA45
	3" to 4" pipe	CAVSP-1YB	CA45
	5" to 10" pipe	CAVSP-1YC	CA45
1/0 Stranded	Flat (18" & larger pipe)	CAVSP-1YD	CA45
	2-1/2" to 4" pipe	CAVSP-2C	CA65
	5" to 10" pipe	CAVSP-2CA	CA65
	12" to 16" pipe	CAVSP-2CB	CA65
2/0 Stranded	Flat (18" & larger pipe)	CAVSP-2CC	CA65
	3" to 4" pipe	CAVSP-2G	CA65
	5" to 10" pipe	CAVSP-2GA	CA65
	12" to 16" pipe	CAVSP-2GB	CA65
		CAVSP-2GC	CA65

\* 1 sleeve per connection.

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



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