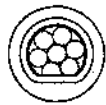
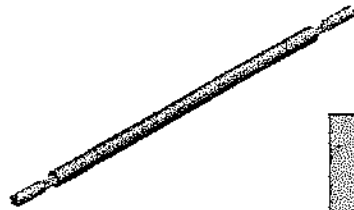
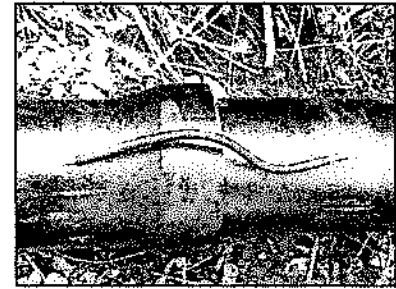


JUMPER BONDS

Factory made jumper bonds have copper sleeves formed on each end. These bonds are most commonly used for bonding pipe joints. Formed ends allow the use of smaller weld metal size.

BOND INFORMATION		
SIZE	LENGTH	CATALOG #
#4 Str	18"	27-6623-18
	24"	27-6623-24
#2 Str	18"	27-6378-18
	24"	27-6378-24

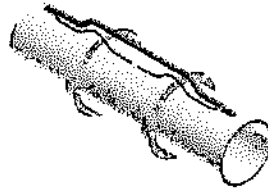


End View of Bond

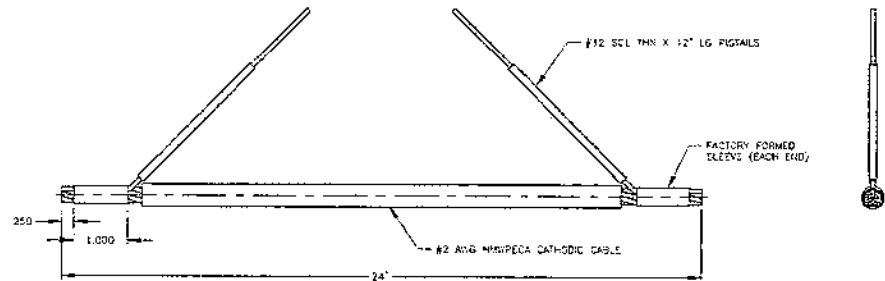
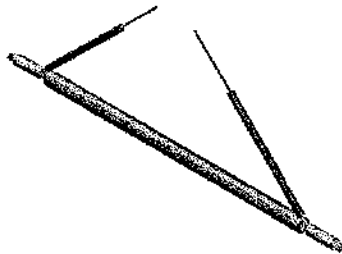
MOLD INFORMATION FOR STEEL PIPE				BOND SIZE	MOLD INFORMATION FOR CAST IRON PIPE			
SURFACE	MOLD #	PRICE KEY	WELD METAL		SURFACE	MOLD #	PRICE KEY	WELD METAL
4" pipe	M-7346	3	25CP	#4 Str	4" to 24" pipe	M-154-P.S.	3	32CI
6" to 8" pipe	M-7347	3	25CP		30" & Larger pipe	M-154	3	32CI
10" & Larger pipe	M-7345	3	25CP		Replace P.S. with Pipe Size (Ex. M-156-4 for 4" Pipe)			
4" pipe	M-7336	3	25CP	#2 Str	4" to 24" pipe	M-175-P.S.	3	32CI
6" to 8" pipe	M-131	3	25CP		30" & Larger pipe	M-175	3	32CI
10" & Larger pipe	M-129	3	25CP		Replace P.S. with Pipe Size (Ex. M-156-4 for 4" Pipe)			

• For sizes not listed, contact thermOweld®.

Factory made jumper bonds with pigtailed are used bonding across Dresser Style Couplings.



BOND INFORMATION			
BOND SIZE	PIGTAIL SIZE	LENGTH	CATALOG #
#2 Str	#12 Sol	24"	27-6412-00



MOLD INFORMATION FOR STEEL PIPE				MOLD FOR PIGTAIL TO STEEL PIPE			BOND SIZE	MOLD INFORMATION FOR CAST IRON PIPE				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	2	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	2	15CP		30" & Larger pipe	M-175	3	32CI	M-156	3	25CI
10" & Larger pipe	M-129	3	25CP	M-100	2	15CP		Replace P.S. with Pipe Size (Ex. M-156-4 for 4" Pipe)						

• For sizes not listed, contact thermOweld®.

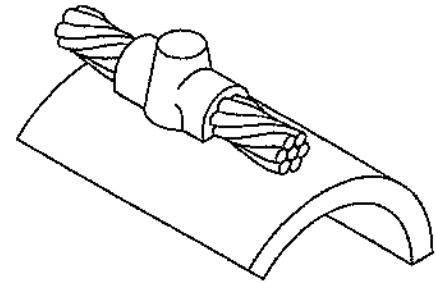
DO NOT use Type CS-48 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

CS-34 TYPE MOLDS

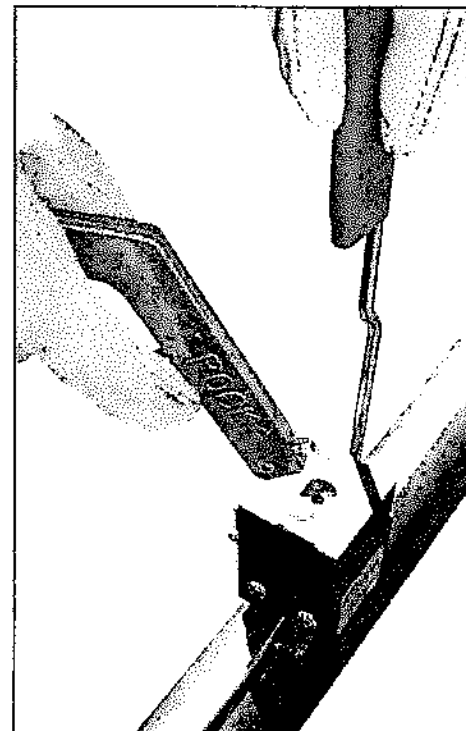
Horizontal Thru Cable to Horizontal Steel Surface

CS-34

CS-34 type molds are for connecting copper cable to horizontal steel surfaces. When welding to steel pipe, each mold fits a wide range of pipe sizes. When welding to pipe, the cable runs parallel to the pipe. For welding to ductile iron pipe, see note below.



CABLE SIZE	SURFACE	MOLD #	PRK KEY	WELD METAL
#6 Sol†	Flat (12" & Larger pipe)	M-1955	3	25CP
	3/4" to 2" pipe	M-5666	3	25CP
	2 1/2" to 5" pipe	M-3097	3	25CP
	6" to 10" pipe	M-3141	3	25CP
#6 Str	Flat (12" & Larger pipe)	M-5661	3	25CP
	3/4" to 2" pipe	M-5662	3	25CP
	2 1/2" to 5" pipe	M-5663	3	25CP
	6" to 10" pipe	M-5664	3	25CP
#4 Sol	Flat (12" & Larger pipe)	M-1956	3	25CP
	3/4" to 2" pipe	M-1957	3	25CP
	2 1/2" to 5" pipe	M-1958	3	25CP
	6" to 10" pipe	M-1966	3	25CP
#4 Str	Flat (12" & Larger pipe)	M-6000	3	25CP
	3/4" to 2" pipe	M-1967	3	25CP
	2 1/2" to 5" pipe	M-5501	3	25CP
	6" to 10" pipe	M-5503	3	25CP
#2 Sol	Flat (14" & Larger pipe)	M-5505	3	32CP
	2" to 3 1/2" pipe	M-5507	3	32CP
	4" to 8" pipe	M-5510	3	32CP
	10" to 16" pipe	M-5514	3	32CP
#2 Str	Flat (14" & Larger pipe)	M-5518	3	45CP
	2" to 3 1/2" pipe	M-5986	3	45CP
	4" to 8" pipe	M-5605	3	45CP
	10" to 16" pipe	M-5988	3	45CP
#1 Str	Flat (18" & Larger pipe)	M-5519	3	45CP
	2" to 3 1/2" pipe	M-5520	3	45CP
	4" to 8" pipe	M-5521	3	45CP
	10" to 16" pipe	M-5523	3	45CP
1/0 Str	Flat (30" & Larger pipe)	M-5524	3	65CP
	3" to 4" pipe	M-5525	3	65CP
	5" to 6" pipe	M-5526	3	65CP
	8" to 10" pipe	M-5527	3	65CP
	12" to 28" pipe	M-5529	3	65CP
2/0 Str	Flat (30" & Larger pipe)	M-6251	3	65CP
	3" to 4" pipe	M-5530	3	65CP
	5" to 6" pipe	M-5531	3	65CP
	8" to 10" pipe	M-5532	3	65CP
	12" to 28" pipe	M-5533	3	65CP

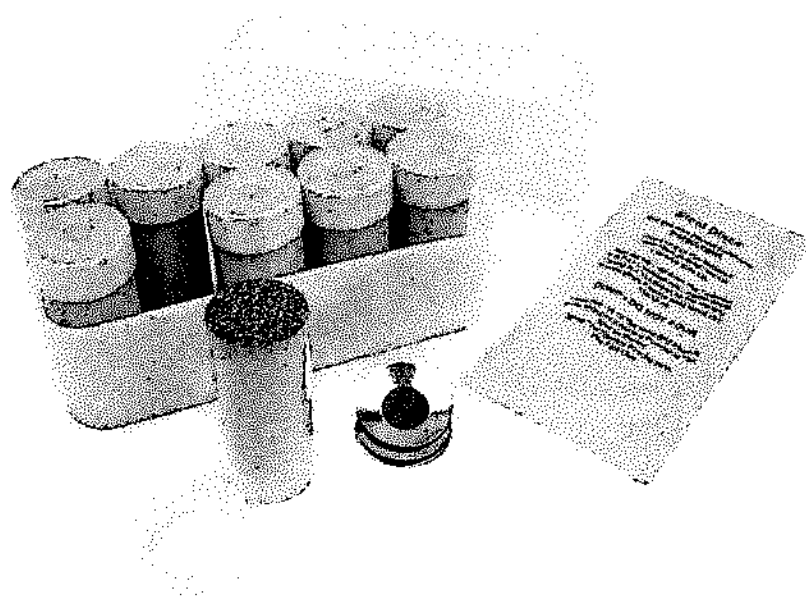


- For sizes not listed, contact thermOweld®.
- Sold complete with frame. If not required, specify MOLD NUMBER followed by suffix "-G".
- † For wire size #14 to #10 solid, order (2) 38-0200-00 sleeves per weld.
- Required Tools;
 - 38-0309-00 ~ Flint Ignitor
- Other recommended accessories;
 - 38-3922-00 ~ Mold Cleaning Brush (pg 18)
 - 38-0135-00 ~ Cable Cleaning Brush (pg 18)
 - 38-0101-00 ~ Rasp (pg 18)
 - 38-4129-00 ~ Packing Material for 1/0 & Larger Molds (pg 18)
 - 38-6687-00 ~ thermOcap (pg 14)
- **Welding To Ductile Iron Pipe:** When welding to ductile iron pipe, use weld metal and molds designated for cast iron.

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. This insures the weld metal will arrive in good condition, always dry, and ready for a positive ignition every time.

WELD METAL

thermOweld® weld metal is used for welding copper to steel, copper to ductile iron and copper to cast iron. The size and weight of the cartridge are marked on each individual tube. thermOweld® weld metal is available to be shipped via ground, air or ocean freight.



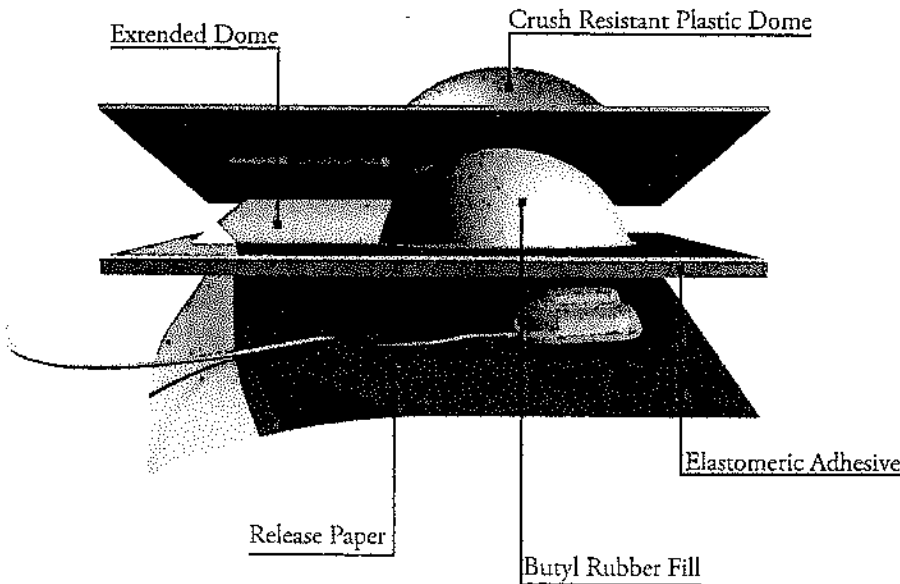
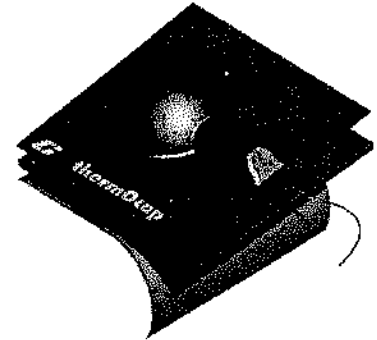
CAST IRON CARTRIDGE SIZE	CATHODIC PROTECTION CARTRIDGE SIZE	PACKED PER BOX
#15CI	#15CP	20
#25CI	#25CP	20
#32CI	#32CP	10
#45CI	#45CP	20
#65CI	#65CP	20

thermOcap

Protect Your Weld

thermOwelds® NEW thermOcap is designed to cover your exothermically welded connections.

- Elongated wire inlet allows the cap to conform easier to the pipe.
- Outer shell designed to prevent crushing.
- Butyl rubber filled dome.
- Easier field application.
- Packaged in boxes of 20 with immediate delivery available.



Part Number	Item
38-6687-00	thermOcap

Properties:

Construction - Molded plastic dome filled with corrosion resistant compound on a base of thick elastomeric tape.

Dimensions: Overall: 4" x 4"
 Sheet Thickness: 21 mils
 Plastic Dome: 1 5/8" x 5/8"
 Wire Way: 3/8" x 1 3/8"

Application Temperature: 35° F to 170° F
Service Temperature: -20° F to 225° F
Height: 3/4"
Adhesive Thickness: 1/8"