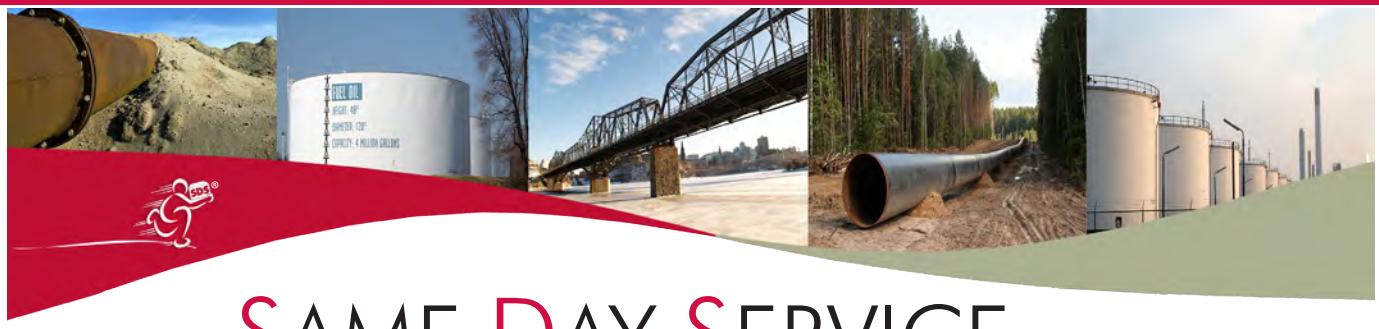
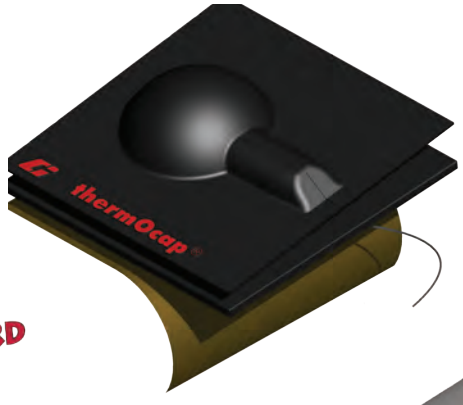


SAME DAY SERVICE

(Cathodic Protection Market)

JUST LIKE HAVING IT ON THE SHELF

MOLDS	WELD METAL	ACCESSORIES
M-100	15CP Cathodic Protection Weld Metal	Mini-Handle Clamp
M-101	25CP Cathodic Protection Weld Metal	Flint Ignitors
M-102	25CI Cathodic Protection Weld Metal	Steel Disc
M-104	32CI Cathodic Protection Weld Metal	Mold Cleaner
M-106	45CI Cathodic Protection Weld Metal	Natural Bristle Brush
M-112		Ez-Lite Ignitor
M-142		Ez Lite Remote® Unit
M-151		Ez Lite Remote® Starter Kit
M-154		6ft Cable assembly for EZ Lite Remote®
M-156		Thermocap PC
M-159		Thermocap
M-161		



5PM CENTRAL STANDARD TIME

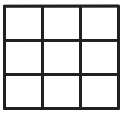
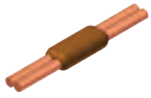
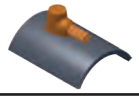
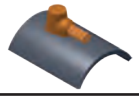
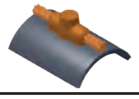
Call Today Ship Today!

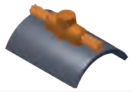
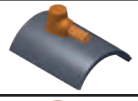
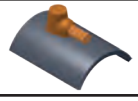
*SDS is not a guaranteed service.

Section 7

Products for Cathodic Protection

	Description	Page #
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Weld Type		Page #
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Weld Type		Page #
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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

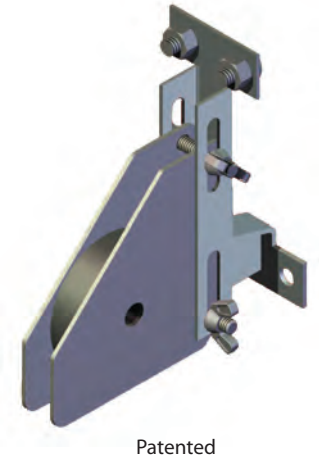
ASME B31.8-2000, "Gas Transmission and Distribution Piping Systems"
862.223 Para (a) (ductile / cast iron pipe) 32 grams maximum weld metal cartridge

Cathodic Protection Molds with Magnetic Mold Support

New magnetic mold support is adaptable to all thermOweld® price key 3 molds.

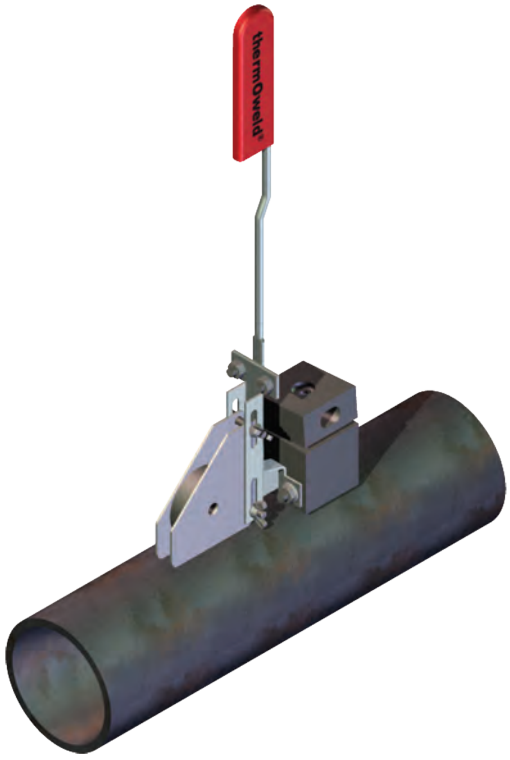
- Designed for remote welding use with the thermOweld® EZ Lite Remote® ignition system
- Strong, 55 lb. Magnet Holds Mold in Place and Prevents Leakage
- Adjustable Height
- Works on Both Cast Iron and Steel Pipe as well as Flat Surfaces
- Available as an accessory which can be attached to any existing 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	



Patented

40-7202-00 ~ Price Key 3 Mold Magnet Assembly



EZ Lite Remote® Electric Ignition System for Cathodic Protection

38-EZLT-SK

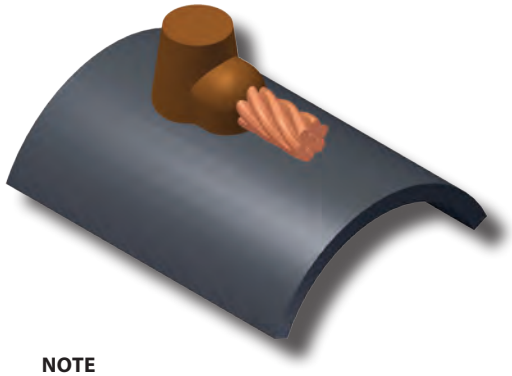


CS-32

TYPE MOLDS

Cathodic Protection Horizontal 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.

- **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

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	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 163	SDS
	3/4" to 3 1/2" pipe	M-101	3	15CP		SDS
#6	Flat (4" & Larger pipe)	M-102	3	15CP		SDS
	3/4" to 3 1/2" pipe	M-103	3	15CP		2
#4 Sol	Flat (6" & Larger pipe)	M-104	3	15CP		SDS
	3/4" to 3 1/2" pipe	M-105	3	15CP		2
	4" to 5" pipe	M-130	3	15CP		2
#4	Flat (6" & Larger pipe)	M-106	3	15CP		SDS
	3/4" to 3 1/2" pipe	M-107	3	15CP		2
	4" to 5" pipe	M-108	3	15CP		2
#2 Sol	Flat (10" & Larger pipe)	M-109	3	25CP		2
	1" to 3 1/2" pipe	M-110	3	25CP		2
	4" to 8" pipe	M-111	3	25CP		2
#2	Flat (10" & Larger pipe)	M-112	3	32CP		2
	1" to 3 1/2" pipe	M-113	3	32CP		2
	4" to 8" pipe	M-114	3	32CP		2
	10" to 14" pipe	M-115	3	32CP		2
#1	Flat (16" & Larger pipe)	M-116	3	45CP		2
	1 1/2" to 3 1/2" pipe	M-117	3	45CP		2
	4" to 8" pipe	M-118	3	45CP		2
	10" to 14" pipe	M-119	3	45CP		2
1/0	Flat (20" & Larger pipe)	M-120	3	65CP		2
	2 1/2" to 3 1/2" pipe	M-121	3	65CP		2
	4" to 8" pipe	M-122	3	65CP		2
	10" to 18" pipe	M-123	3	65CP		2
2/0	Flat (20" & Larger pipe)	M-124	3	65CP		2
	2 1/2" to 3 1/2" pipe	M-125	3	65CP		2
	4" to 8" pipe	M-126	3	65CP		2
	10" to 18" pipe	M-127	3	65CP		2

‡ For Wire Size #14 to #10 Solid, 38-0200-00 Sleeve/Weld Req'd

CP Kit



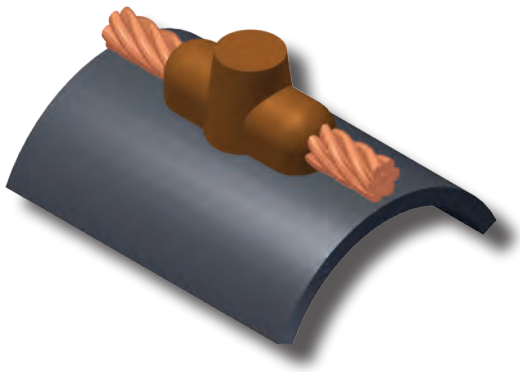
Each CP Kit Contains		
Flat to 4" & Larger Pipe	3/4" to 3 1/2" & Larger Pipe	Flat 4" & Larger Pipe
(1) M-100 Mold	(1) M-101 Mold	(1) M-102
(80) 15CPS Cartridges*	(80) 15CPS Cartridges*	(80) 15CPS Cartridges*
Flint Ignitor	Flint Ignitor	Flint Ignitor
Mold Cleaner	Mold Cleaner	Mold Cleaner
Part #	Part #	Part #
38-4350-00	38-4351-00	38-7280-00

* 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.

CS-34
TYPE MOLDS
Cathodic Protection Horizontal Thru 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 (12" & Larger pipe)	M-1955	3	25CP	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 163	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		2
	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						



NOTE
Welding To Ductile Iron Pipe: When welding to ductile iron pipe, use weld metal and molds designated for cast iron.



- **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

CS-33

TYPE MOLDS

Cathodic Protection
Horizontal Cable to
Horizontal Cast Iron Surface
For AWG Conductors



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	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 163	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						

CS-35

TYPE MOLDS

Cathodic Protection
Horizontal Thru Cable to
Horizontal Cast Iron Surface
For AWG Conductors



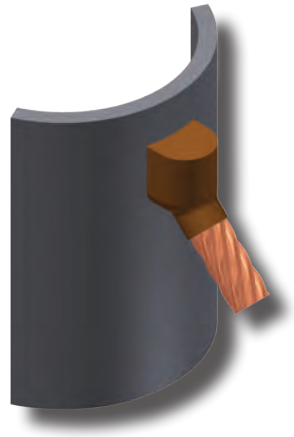
MOLDS FOR AWG CONDUCTORS						
Cable Size	Surface	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#6 Sol‡	Flat (30" & larger pipe)	M-5316	3	32CI	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 163	4
#6	Flat (30" & larger pipe)	M-5535	3	32CI		4
#4 Sol	Flat (30" & larger pipe)	M-5536	3	45CI		4
#4	Flat (30" & larger pipe)	M-5537	3	45CI		2
#2 Sol	Flat (30" & larger pipe)	M-5538	3	45CI		4
#2	Flat (30" & larger pipe)	M-5540	3	45CI		2
#1	Flat (30" & larger pipe)	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.

DO NOT use Type CS-33 or 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.

- **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

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
#2 Sol	Flat (14" & Larger pipe)	M-147	18 †	25CP	40-4565-00	2
	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
#2	Flat (14" & Larger pipe)	M-148	18 †	32CP	40-4565-00	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
#1	Flat (18" & Larger pipe)	M-6117	19 †	45CP	40-4565-00	4
	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						

CS-37
TYPE MOLDS
Cathodic Protection
Cable to Vertical <u>Cast Iron</u>
For AWG Conductors



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						

NOTE
Welding To Ductile Iron Pipe: When welding to ductile iron pipe, use weld metal and molds designated for cast iron.

- **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

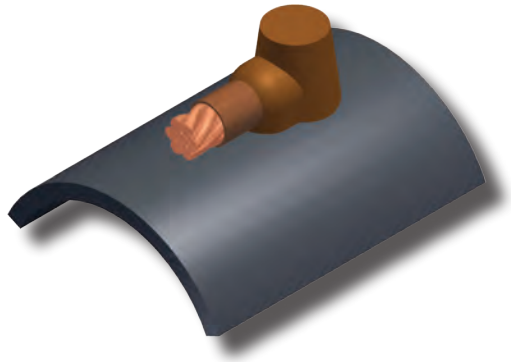
Welding To Vertical Pipe (CS-37 only): To weld to 4" to 24" vertical pipe, add pipe size to mold number. Example: To weld #1 str cable to 6" vertical pipe, the mold number would be M-2597-V6. To weld to pipe 30" and larger, use flat surface mold.

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.

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	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 163	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

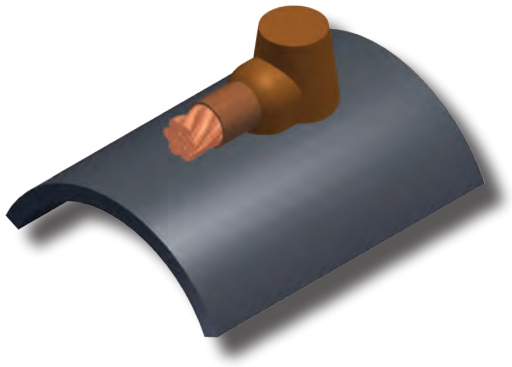
DO NOT use Type CS-49 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

- **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

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**
#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	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 163	2
	30" & Larger pipe	M-7351	3†	25CI				2
#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
	30" & Larger pipe	M-7352	3†	25CI				2
#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
	30" & Larger pipe	M-154	3†	32CI				2
#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
	30" & Larger pipe	M-175	3†	32CI				2
#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
	30" & Larger pipe	M-7354	3†	45CI				4
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
	30" & Larger pipe	M-5809	3†	45CI				2
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
	30" & Larger pipe	M-7355	3†	45CI				4

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.

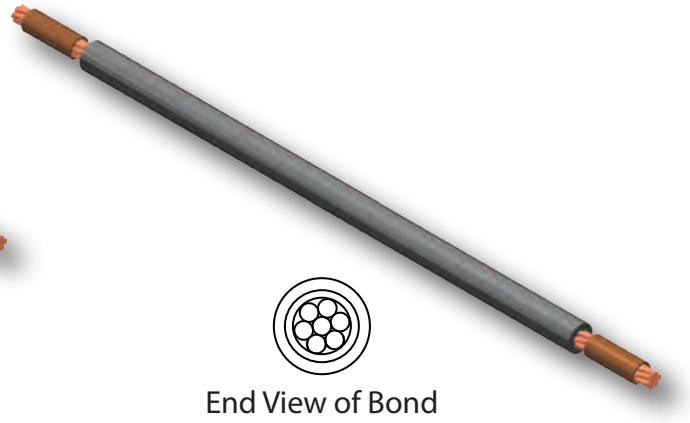
- **For sizes not listed, contact thermOweld®.**
- Molds listed are for concentric stranded cable. Add suffix "-S" to mold number for solid conductors.
- For expedited service, contact thermOweld®.
- To order weld metal for use with EZ Lite Remote® insert TW before and EZ after weld metal number.
- Required 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

JUMPER BONDS

Factory made jumper bonds come in multiple wire gauge, length, and end configurations; without sleeves, rounded sleeves, and formed sleeves. See page 168 and 169 for the appropriate molds for connecting jumper bonds to steel or cast iron services.







End View of Bond

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®.**

Jumper Bond with Round Sleeve

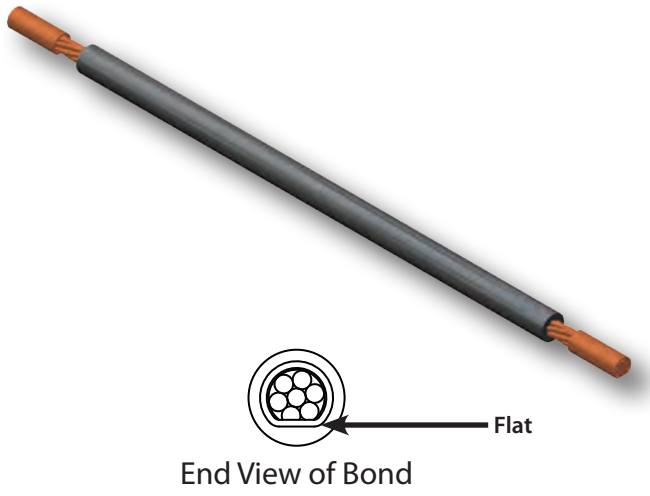
Part Number	Description
27-7095-18	#2 AWG HMW.PE x 18" Long w/ Round Sleeves
27-7095-24	#2 AWG HMW.PE x 24" Long w/ Round Sleeves
27-7095-36	#2 AWG HMW.PE x 36" Long w/ Round Sleeves
27-7095-48	#2 AWG HMW.PE x 48" Long w/ Round Sleeves
27-7096-18	#4 AWG HMW.PE x 18" Long w/ Round Sleeves
27-7096-24	#4 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®.**

JUMPER BONDS

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®.**



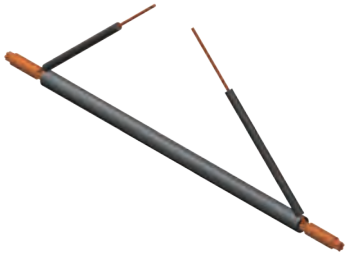
End View of Bond

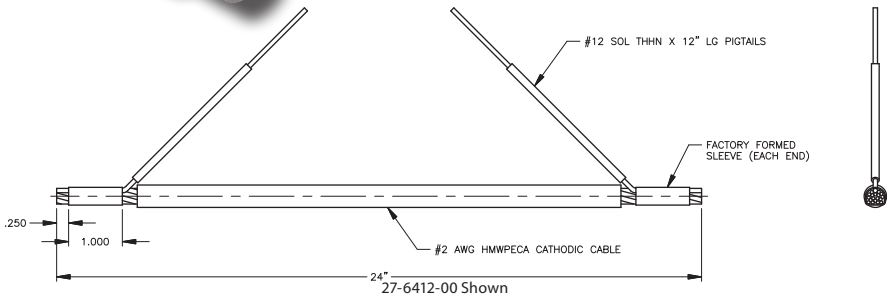
Jumper Bond with Formed Sleeve

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





27-6412-00 Shown

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		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	#2 Str	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®.**

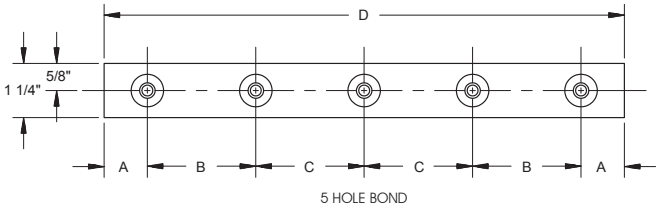
DO NOT use Type CS-32 or CS-48 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of the pipe being used to determine the possibility of detrimental metallurgical effects.

STRAP BONDS

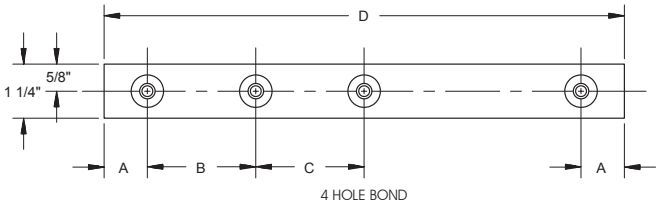
The Strap Bond is a method of bonding across joints. It is particularly suited for providing electrical contact across Dresser® Couplers. The strap is made of soft copper strip available in size equivalent to 1/0 str. copper and supplied to desired length. The soft copper allows easy hand forming of 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"

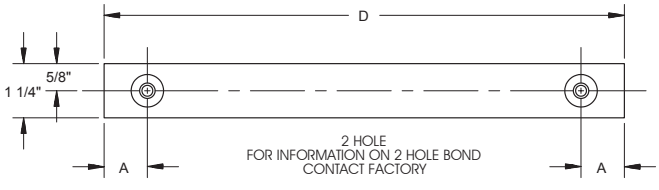
- **For sizes not listed, contact thermOweld®.**
- Current capacity of the copper strap bonds is equivalent to 1/0 Str copper cable.
- Use Mold M-128 to attach bonds with #15 cartridge.



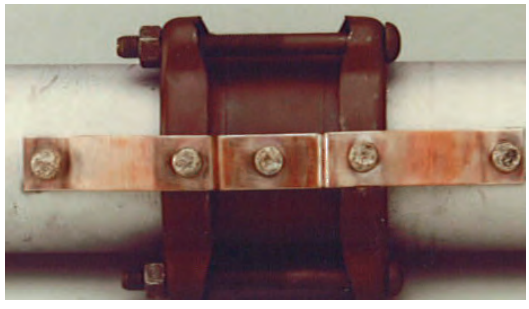
5 HOLE BOND



4 HOLE BOND



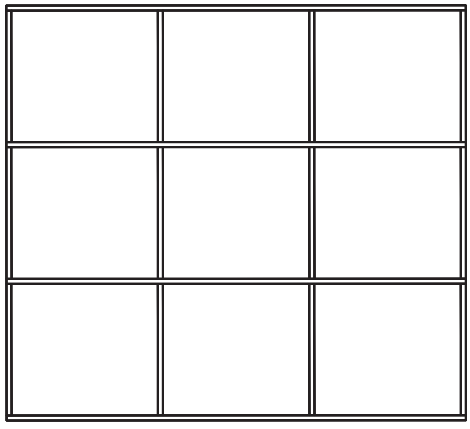
2 HOLE
FOR INFORMATION ON 2 HOLE BOND
CONTACT FACTORY



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'



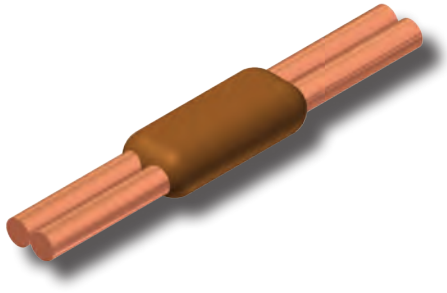
CC-14

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					
.135 STL	.135 STL	M-8578	18†	15	40-4565-00	2
#6	.135 STL	M-8579	18†	15	40-4565-00	2

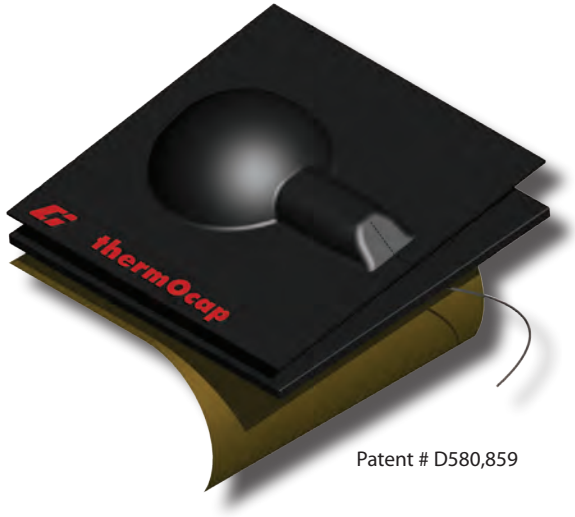


Ci thermOcap®

Ci thermOcap®

thermOweld's Ci 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.

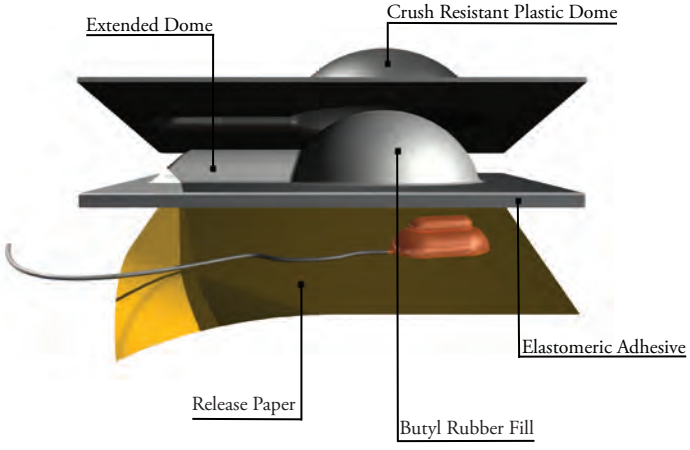


Patent # D580,859

Part Number	Description
38-6687-00	Ci thermOcap®
38-6687-02	Ci thermOcap® PC

Ci thermOcap® PC

thermOweld®'s Ci thermOcap® PC is designed to cover your exothermically welded connections. The Ci thermOcap® PC is our pre primed cap and requires no spray primer. You simply "Peel and Stick"!



Properties:	thermOcap®	Ci thermOcap® PC
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"	
Application Temperature	35° F to 170° F	40° F to 100° F
Service Temperature	-20° F to 225° F	-20° F to 150° F
Height	3/4"	
Adhesive Thickness	1/8"	

thermOprime

To be used with 38-6687-00 thermOcaps only.

thermOprime liquid adhesive systems consist of butyl based elastomers blended with polymeric resin dissolved on an organic solvent system. They are non-toxic and non-polluting, and conform to local and national standards. In addition to the excellent adhesion to the pipe substrate and cathodic disbondment resistance, the pipe surface is protected against stress corrosion cracking with industry proven SCC inhibitors. Approximately 100 Ci thermOcap® applications per can.



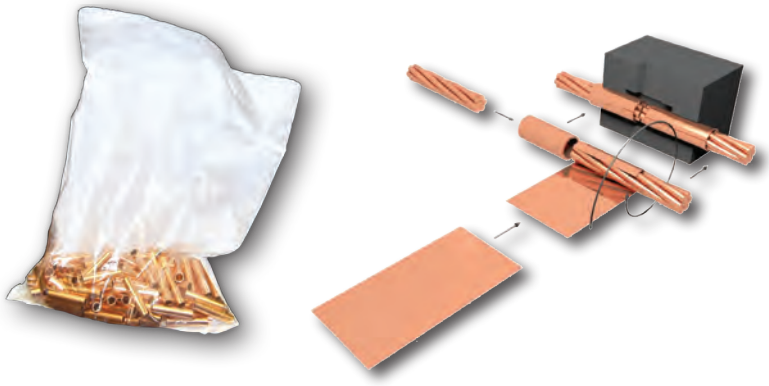
Part Number
38-6769-00

ADAPTER SLEEVES

ADAPTER SLEEVES AND SHIM STOCK

thermOweld® molds designed for larger cable sizes can be used on smaller diameter cables if copper adapter sleeves or shim stock are utilized, except CS-48 and CS-49. 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
#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
#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

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

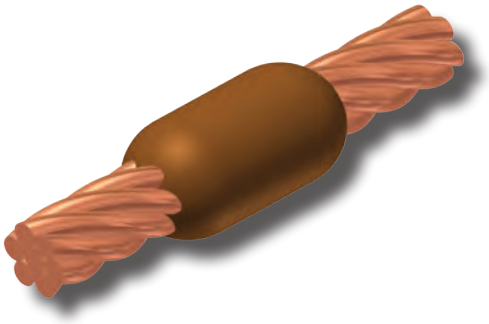


CC-1

TYPE MOLDS

Horizontal End to End

For AWG Conductors



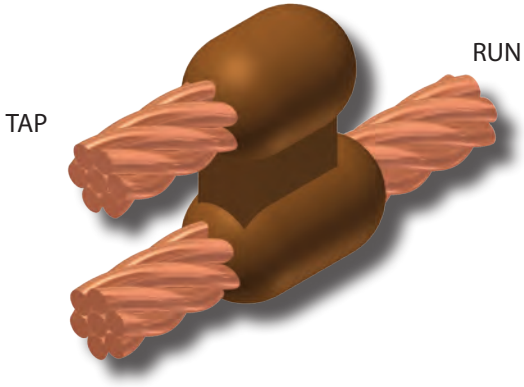
MOLDS FOR AWG CONDUCTORS					
Cable	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
#12 Sol	M-8224-S	18	15	40-4565-00	4
#10 Sol	M-8225-S	18	15	40-4565-00	2
#8 Sol	M-8228-S	18	15	40-4565-00	2
#6 Sol	M-8229-S	18	25	40-4565-00	2
#6	M-8229	18	25	40-4565-00	2
#4 Sol	M-8232-S	18	25	40-4565-00	4
#4	M-8232	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-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

CC-2

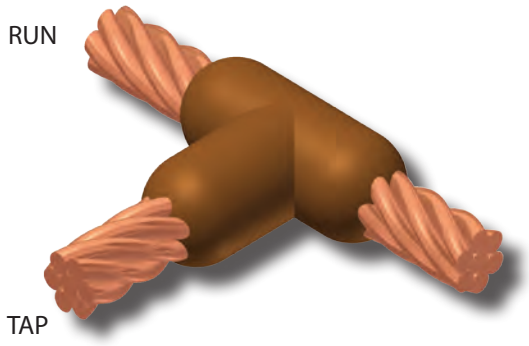
TYPE MOLDS

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



CB-1

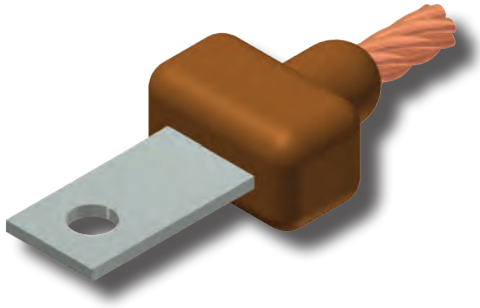
TYPE MOLDS

Cathodic Protection Cable to Lug

For AWG Conductors

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

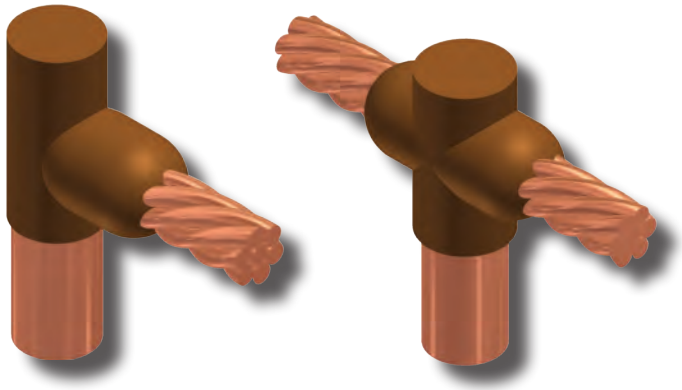


CR-1 / CR-2

TYPE MOLDS

Horizontal Cable to Ground Rod

For AWG Conductors



CR-1 CR-2

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
5/8"	#6 Sol‡	M-1968-S	18	32	40-4565-00	2	M-1992-S	19	45	40-4565-00	2
	#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
3/4"	#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
	#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. Molds listed are for copper clad steel ground rods: ½" rods are 0.475" diameter, 5/8" rods are 0.563" diameter, ¾" 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.