

THERMIT WELDING

thermOweld® Cathodic Protection weld metal is the most reliable and consistently-performing weld metal available worldwide.

Our continuous-improvement manufacturing process is supplemented with multiple quality validation steps for every lot we produce. Upon final acceptance, our weld metal is specially packaged in moisture-resistant plastic cartridges with special closure caps.

Then the cartridges and required metal discs are packaged in moisture-resistant boxes with unique manufacturing lot codes. These lot codes are a thermOweld® innovation, providing complete traceability from raw material origination, through our multiple processing stages to shipment. Finally, thermOweld® applies special shrink-wrap plastic to every weld metal box, insuring reliable storage, positive field ignition and superior welds every time.

Every individual weld metal cartridge is marked with the size and weight in grams for easy identification, even when separated from the host box. thermOweld® weld metal is shipped worldwide to more than 50 countries via ground, air and ocean freight. All sizes of weld metal are available immediately with thermOweld's Same Day Service (SDS) shipment program.

Our engineers have formulated our weld metal for cathodic protection application use.

DATASHEET 1.50

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12 CM
(Weld Metal)

Standard Cartridge Size	Cathodic Protection Cartridge Size	Cast Iron Cartridge Size	Packed Per Box
#15	#15CP, 15CPS*	—	20
#25	#25CP	#25CI	20
#32	#32CP	#32CI	10
#45	#45CP	#45CI	20
#65	#65CP	#65CI	20

thermOweld® Weld Metal is sold in box quantities only

* 15CPS includes: 20 sleeves.

BAC®

CORROSION CONTROL

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THERMIT WELDING

CS-32 TYPE MOLDS
Cathodic Protection

Horizontal Cable to Horizontal Steel Pipe
For Metric Conductors



DATASHEET 1.50 THERMIT WELDING



MOLDS FOR METRIC CONDUCTORS						
Cable Size (mm ²)	Pipe Dia. In mm	Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
2.5, 4 & 6	up to 125	M-4146‡	3†	15CP	Included Optional: Magnetic Mold Support, Catalog Number 40-7202-00, See Page 136	2
	over 125	M-4147‡	3†	15CP		2
10	up to 125	M-4148	3†	15CP		2
	over 125	M-4149	3†	15CP		2
16	up to 125	M-4146	3†	15CP		2
	over 125	M-4147	3†	15CP		2
25	up to 70	M-4152	3†	25CP		2
	70 to 165	M-4153	3†	25CP		2
	over 165	M-4154	3†	25CP		2
30	up to 70	M-2833	3†	32CP		4
	70 to 165	M-2834	3†	32CP		4
	165 to 250	M-2835	3†	32CP		4
	over 250	M-2836	3†	32CP		4
35	up to 70	M-4155	3†	32CP		2
	70 to 165	M-4156	3†	32CP		2
	165 to 250	M-4157	3†	32CP		2
50	up to 70	M-4158	3†	32CP	2	
	up to 70	M-4159	3†	45CP	4	
	70 to 165	M-4160	3†	45CP	2	
70	165 to 250	M-4161	3†	45CP	2	
	over 250	M-4162	3†	45CP	2	
	up to 70	M-4163	3†	65CP	2	
70	70 to 165	M-4164	3†	65CP	2	
	165 to 250	M-4165	3†	65CP	2	
	over 250	M-4166	3†	65CP	2	
‡ 38-4590 Sleeve/Weld Req'd						



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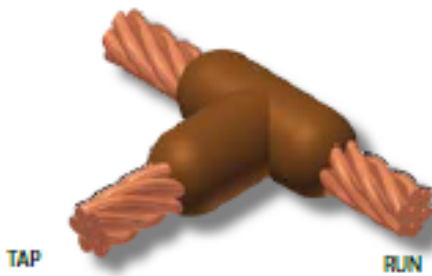


HORIZONTAL 'T' TYPE MOLD

CC-2

TYPE MOLDS

Horizontal Cable Tap to Horizontal Cable Run
For Metric Conductors



MOLDS FOR METRIC CONDUCTORS						
Cable (mm ²)		Mold #	Price Key	Weld Metal	Handle Clamps	Lead Time
Run	Tap					
10	10	M-10780	4	32	E-106	4
16	16	M-10781	4	32	E-106	2
25	25	M-3021	4	45	E-106	2
5.6 mm Ø	5.6 mm Ø	M-2914	4	45	E-106	4
30	30	M-2915	4	45	E-106	4
35	35	M-3022	4	45	E-106	2
	25	M-3023	4	45	E-106	2
8 mm Ø	8 mm Ø	M-2949	4	65	E-106	2
50	50	M-3024	4	90	E-106	2
	35	M-3025	4	65	E-106	2
	25	M-3026	4	65	E-106	2
10 mm Ø	10 mm Ø	M-2916	4	90	E-106	2
70	70	M-3031	4	90	E-106	2
	50	M-3033	4	90	E-106	2
	35	M-3034	4	65	E-106	2
	25	M-3035	4	65	E-106	2
95	95	M-3041	4	115	E-106	2
	70	M-3043	4	90	E-106	2
	50	M-3045	4	90	E-106	2
	35	M-3046	4	90	E-106	2
120	120	M-3047	4	150	E-106	2
	95	M-3048	4	150	E-106	2
	70	M-3051	4	90	E-106	2
	50	M-3052	4	90	E-106	2
150	150	M-3053	4	200	E-106	2
	120	M-3054	4	150	E-106	2
	95	M-3055	4	150	E-106	2
	70	M-3057	4	90	E-106	2
185	185	M-3059	4	200	E-106	2
	150	M-3060	4	200	E-106	2
	120	M-3061	4	200	E-106	2
	95	M-3062	4	150	E-106	2
240	240	M-3065	4	2-150	E-106	2
	185	M-3066	4	200	E-106	2
	150	M-3067	4	200	E-106	2
	120	M-3068	4	200	E-106	2
300	300	M-3071	5	2-200	E-107	2
	240	M-3072	5	2-200	E-107	2
	185	M-3073	4	250	E-106	2
	150	M-3074	4	200	E-106	2



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