

Installation Is Easy!

4 Simple Steps For Permanently Welded Electrical Connections



1 Insert CADWELD® PLUS package into mould



2 Attach control unit termination clip to ignition strip



3 Press and hold control unit switch and wait for the ignition



4 Open the mould and remove the expended steel cup – no special disposal required

CADWELD PLUS for Grounding Applications

CADWELD PLUS Reference Code	Part No.	Traditional Welding Material Part Number (Clear Cap)
15PLUSF20	165700	15
25PLUSF20	165701	25
32PLUSF20	165702	32
45PLUSF20	165703	45
65PLUSF20	165704	65
90PLUSF20	165705	90
115PLUSF20	165706	115
150PLUSF20	165707	150
200PLUSF20	165708	200
250PLUSF20	165709	250
300PLUSF20	165710	use 2 x 150
400PLUSF20	165711	use 2 x 200
500PLUSF20	165712	500
600PLUSF20		600
750PLUSF20		750

CADWELD PLUS for Cathodic Applications

CADWELD PLUS Reference Code	Part No.	Traditional Welding Material Part Number (Green Cap)
CA15PLUSF33	165713	CA15/CA15S
CA25PLUSF33	165714	CA25
CA32PLUSF33	165715	CA32
CA45PLUSF33	165716	CA45
CA65PLUSF33	165717	CA65

Gram weight PLUS welding material type i.e. 45PLUSF20



PLUSCU

CADWELD PLUS Patent Numbers
6,553,911 6,835,910 6,703,578

Accessories

Reference Code	Part No.	Description
PLUSCU	165738	CADWELD PLUS Control Unit
PLUSCU15L	165745	CADWELD PLUS Control Unit with 15 ft. (4.6 meters) Lead
PLUSCULDQC	PLUSCULDQC	Pluggable Control Unit Replacement Lead 6 ft. (1.8 meters)
PLUSCULD15QC	PLUSCULD15QC	Pluggable Control Unit Replacement Lead 15 ft. (4.6 meters)



CADWELD PLUS control unit initiates the reaction of the metal crucible. The standard unit includes a 6-foot (1.8 meter) high temperature control unit lead. The lead attaches to the ignition strip using a custom made, purpose-designed termination clip.

After the termination clip is installed on the ignition strip, the installer pushes and holds the ignition button to start a charging and discharging sequence. Within a few seconds the control unit sends a predetermined voltage to the ignition strip and the reaction is initiated.

CADWELD® AND CADWELD® PLUS

Traditional CADWELD® & CADWELD® PLUS Welding Material



Welding Material Size	Traditional CADWELD					CADWELD PLUS				
	Reference code	Part No.	 Unit Weight kg	Disk Type*	Reference code	Part No.	 Unit Weight kg			
F20 Alloy - Clear Cap - Copper/Copper - Copper/Steel - Steel/Steel										
15	15	163590	20	0,015	19	15PLUSF20	165700	20	0,049	
25	25	163000	20	0,025	19	25PLUSF20	165701	20	0,063	
32	32	163010	20	0,032	19	32PLUSF20	165702	20	0,065	
45	45	163020	20	0,045	19	45PLUSF20	165703	20	0,086	
65	65	163030	20	0,065	19	65PLUSF20	165704	20	0,104	
90	90	163040	10	0,090	25	90PLUSF20	165705	10	0,158	
115	115	163050	10	0,115	25	115PLUSF20	165706	10	0,185	
150	150	163060	10	0,150	38	150PLUSF20	165707	10	0,217	
200	200	163070	10	0,200	38	200PLUSF20	165708	10	0,267	
250	250	163080	10	0,250	38	250PLUSF20	165709	10	0,353	
300	use (2) 150					300PLUSF20	165710	10	0,376	
400	use (2) 200					400PLUSF20	165711	10	0,480	
500	500	163090	10	0,500	38	500PLUSF20	165712	10	0,585	
600	use (3) 200		10			600PLUSF20		10		
750	use (3) 250		10			750PLUSF20		10		
F33 Alloy - Green Cap - Cathodic protection - Steel pipe										
15	CA15	163200	20	0,015	19	CA15PLUSF33	165713	20	0,049	
25	CA25	163210	20	0,025	19	CA25PLUSF33	165714	20	0,063	
32	CA32	163220	20	0,032	19	CA32PLUSF33	165715	20	0,065	
45	CA45	163230	20	0,045	19	CA45PLUSF33	165716	20	0,086	
65	CA65	163240	20	0,065	19	CA65PLUSF33	165717	20	0,104	
90	CA90	163250	10	0,090	25					
115	CA115	163260	10	0,115	25					
150	CA150	163270	10	0,150	38					

CADWELD® Welding Material

CADWELD welding material consists of copper oxide and aluminum, packaged by weight (in grams) in plastic tubes. Each tube contains starting material at the bottom of the plastic tube. Welding material is packaged in containers along with metal disks. Standard welding material (F20) is packaged in tubes with clear caps and is used for all grounding connections with the exception of those to cast iron or rail.

CADWELD® PLUS

CADWELD PLUS simplifies the method of making exothermic connections by eliminating the need for starting material or a separate disk. With the CADWELD PLUS control unit, welds can be completed 1.8 m or more than 4 m away.