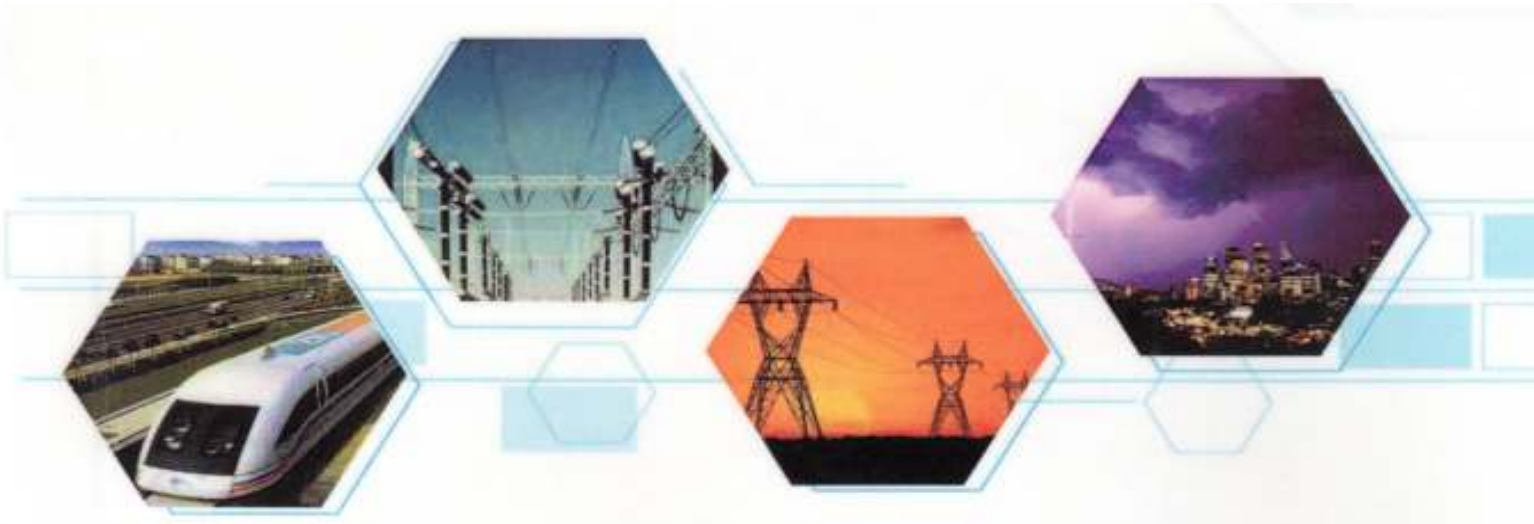
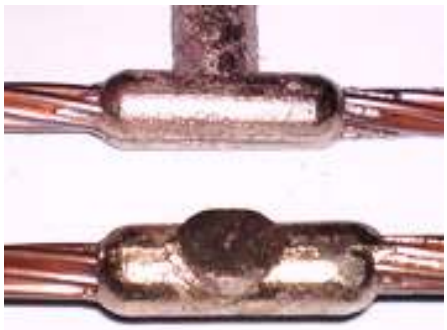
LEEWELDs

EXOTHERMIC WELDING CONNECTION



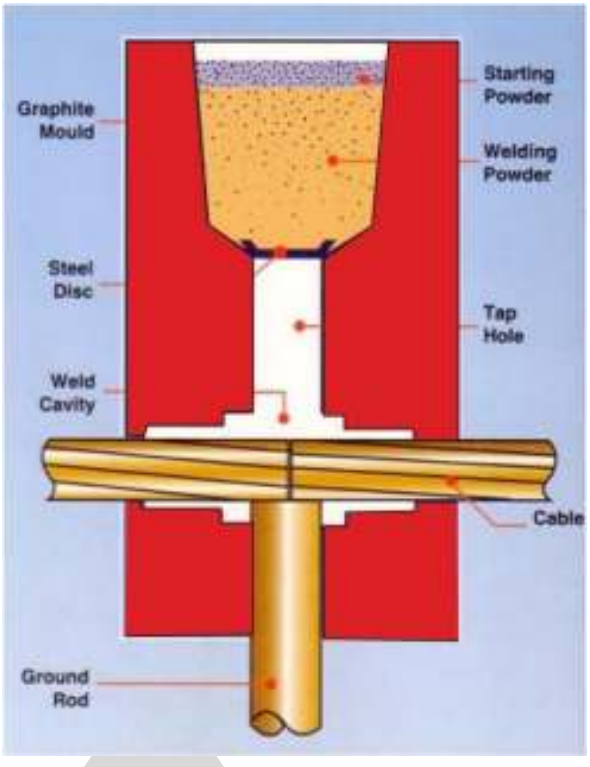
LEEWELDs

Manufacturing of the Exothermic welding powder, Graphite Mould, One time Ceramic Mould, Ductseal and equipment for Electric, Utility, Telecom, Cathodic, and Rail Markets with the high quality and lowest price on the complete cycle of the Grounding & Lightning protection system, Industrial Buildings and Telecom, Lightning Protection, Grounding Products, Cathodic, Government as well as many other grounding needs.



WELDING METHOD

LEEWELDS Exothermic Welding process is a molecular chemical reaction between copper oxide and aluminum, genetates a tremendous superheat with molten metals reaching approximately temperatures of 4,000°F (2,600°C). The process can be completed itself automatically without external source of powder or heat.



COMPLETE CONNECTION

WELD POWDER

The welding powder consists of copper oxide and aluminum which is measure into specific weight in grams for the connections should be made approximatly 97 % of the contents of this cartridge is the weld metal, the remaining part is a starting powder which is tamped into the bottom of the each cartridge.

Code	Size	Tubes/Box
LW15	15g.	30
LW25	25g.	20
LW32	32g.	20
LW45	45g.	20
LW65	65g.	20
LW90	90g.	10
LW115	115g.	10
LW150	150g.	10
LW200	200g.	10
LW250	250g.	10

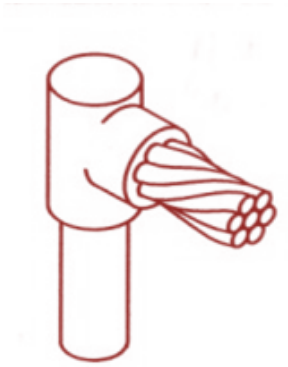
- ✓ **1. A** smooth metal connection that will not loosen or corrode.
- ✓ **2. IT** is not affected by high current surge or over current.
- ✓ **3. NO** needfor the external welding machine.
- ✓ **4. USE** only lightweight and cheap equipment.
- ✓ **5. Virtually** maintenance –free

ONETIME CERAMIC

The LEEWELDS ONE TIME system is a cost effective solution when only a small number of joints are required. Unlike the graphite mould, the ONE TIME mould are single-use and are disposed of, or buried in place, with the joint once completed.

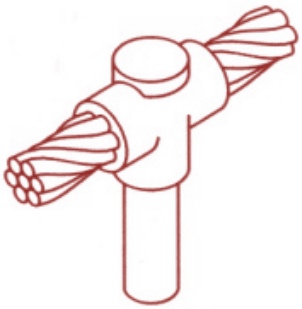
ONETIME CERAMIC

One Way Cable To Rod



CODE NO.	Cable Size	Powder (g)
GO 116	16	45
GO 125	25	45
GO 135	35	65
GO 150	50	65
GO 170	70	90
GO 195	95	90
GO 1120	120	90
GO 1150	150	250
GO 1185	185	150
GO 1240	240	200
GO 1300	300	250

Two Way Cable To Rod



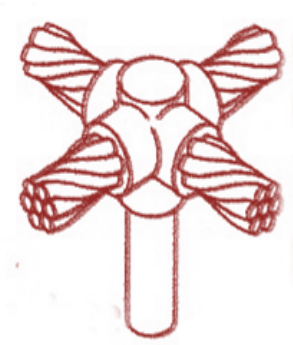
CODE NO.	Cable Size	Powder (g)
GTW 216	16	45
GTW 225	25	45
GTW 235	35	65
GTW 250	50	65
GTW 270	70	90
GTW 295	95	90
GTW 2120	120	90
GTW 2150	150	250
GTW 2185	185	250
GTW 2240	240	250
GTW 2300	300	300

ONETIME CERAMIC

Three Way Cable To Rod

CODE NO.	Cable Size	Powder (g)
GTH 316	16	45
GTH 325	25	45
GTH 335	35	65
GTH 350	50	65
GTH 370	70	90
GTH 395	95	90
GTH 3120	120	90
GTH 3150	150	250
GTH 3185	185	250
GTH 3240	240	250
GTH 3300	300	350

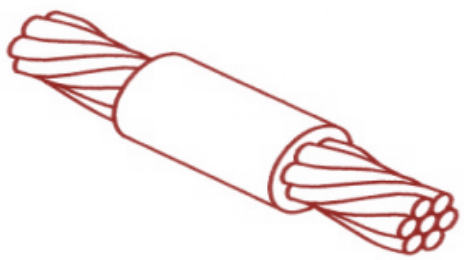
Four Way Cable To Rod



CODE NO.	Cable Size	Powder (g)
GF416	16	45
GF425	25	45
GF435	35	65
GF450	50	65
GF470	70	90
GF495	95	90
GF4120	120	90
GF4150	150	250
GF4185	185	250
GF4240	240	300
GF4300	300	350

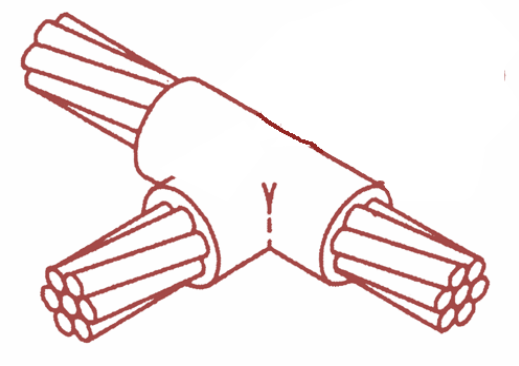
ONETIME CERAMIC

TWO WAY CABLE TO CABLE



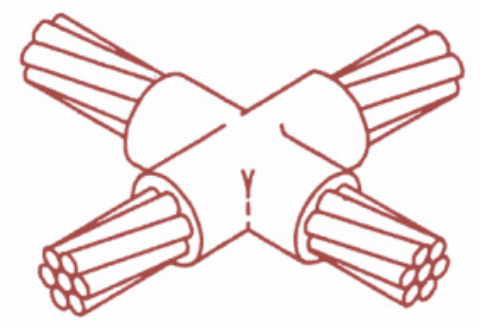
CODE NO.	Cable Size	Powder (g)
CTW 216	16	45
CTW 225	25	45
CTW 235	35	65
CTW 250	50	65
CTW 270	70	90
CTW 295	95	90
CTW 2120	120	90
CTW 2150	150	250
CTW 2185	185	250
CTW 2240	240	250
CTW 2300	300	250

THREE WAY CABLE TO CABLE



CODE NO.	Cable Size	Powder (g)
CTH 316	16	45
CTH 325	25	45
CTH 335	35	65
CTH 350	50	65
CTH 370	70	90
CTH 395	95	90
CTH 3120	120	90
CTH 3150	150	250
CTH 3185	185	250
CTH 3240	240	250
CTH 3300	300	300

FOUR WAY CABLE TO CABLE



CODE NO.	Cable Size	Powder (g)
CF 416	16	45
CF 425	25	45
CF 435	35	65
CF 450	50	65
CF 470	70	90
CF 495	95	90
CF 4120	120	90
CF 4150	150	250
CF 4185	185	250
CF 4240	240	250
CF 4300	300	300

LEEWELDs GRAPHITE MOULD

A. LEEWELDS Mould is made from graphite which makes it fragile and would crack or break if not handled with care.
B. Designed to withstand high temperatures produced from the exothermic welding.
C. Requires pre-heating with a butane torch to ensure the mould is totally dry before every first joint regardless new or used mould. Otherwise, the mould may crack or break or a bad joint produced or cuts down the life span of the mould.
D. Always ensure that the conductors fits snugly and sections of moulds are clamped tightly with the handle clamp to avoid leakage of weldmetal. Leakage will produced a bad joint and cuts down the life span of the mould.
E. After every joint produced, always remove the slag with a recommended mould scrapper, then brush off the smaller particles with a proper mould cleaning brush.
F. Caution : Do not use any other hard object and brush that would damage the mould.
G. Always keep the mould away from water or damn areas while it is hot. Otherwise, the mould may crack or break.
H. Do not over-heat the mould the throughout too many joints. Always either allow to rest or use a spare mould. Otherwise, the mould may crack or break or a bad joint produced or cuts down the life span of the mould

- LONG LIFT
- FAST DELIVERY
- CAN BE DESIGN
- LOWEST COST

TOOLS AND ACCESSORIES

HANDLE CLAMP

LEEWELDs handle clamp make possible the use of many different size and type of graphite moulds.

- Clamp Type "HCC" for nominal size mould 3-1/8" x 3-1/8" square and distance between rod 2-5/16"
- Clamp Type "HCD" for nominal size mould 4" x 4" square and distance between rod 3"

- Clamp Type "HCX" for Chain support "X" used to hold a mould fit at its horizontal and vertical position on up to 4" pipe's diameter.

- Clamp Type "HCP" support are used to hold a mould in position on horizontal or vertical pipe

- Clamp Type "HCR" for Railway mould

LWT001

GLOVE

LWT002

FLINT GUN

LWT003

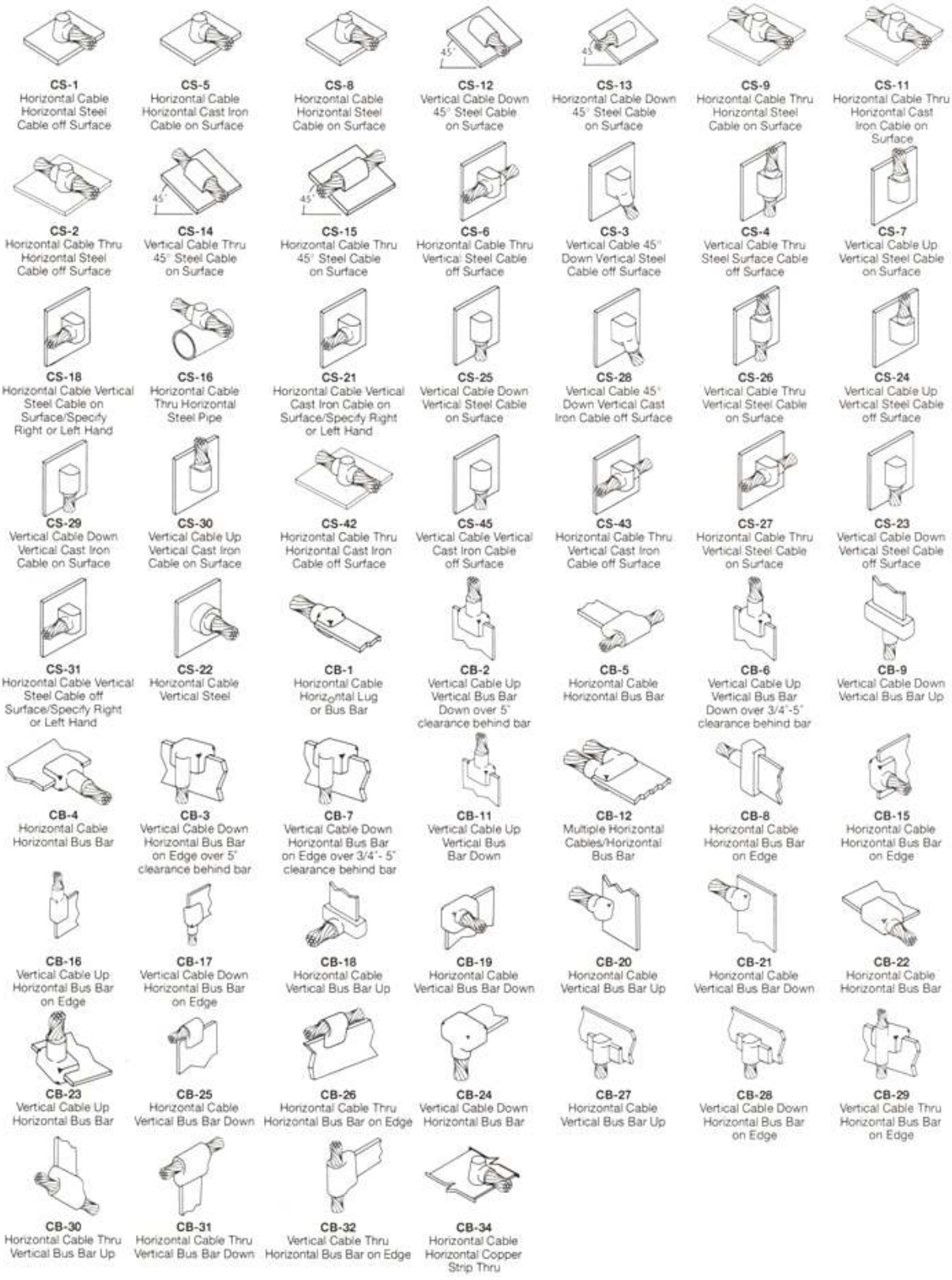
BRASS WIRE BRUSH

LWT004

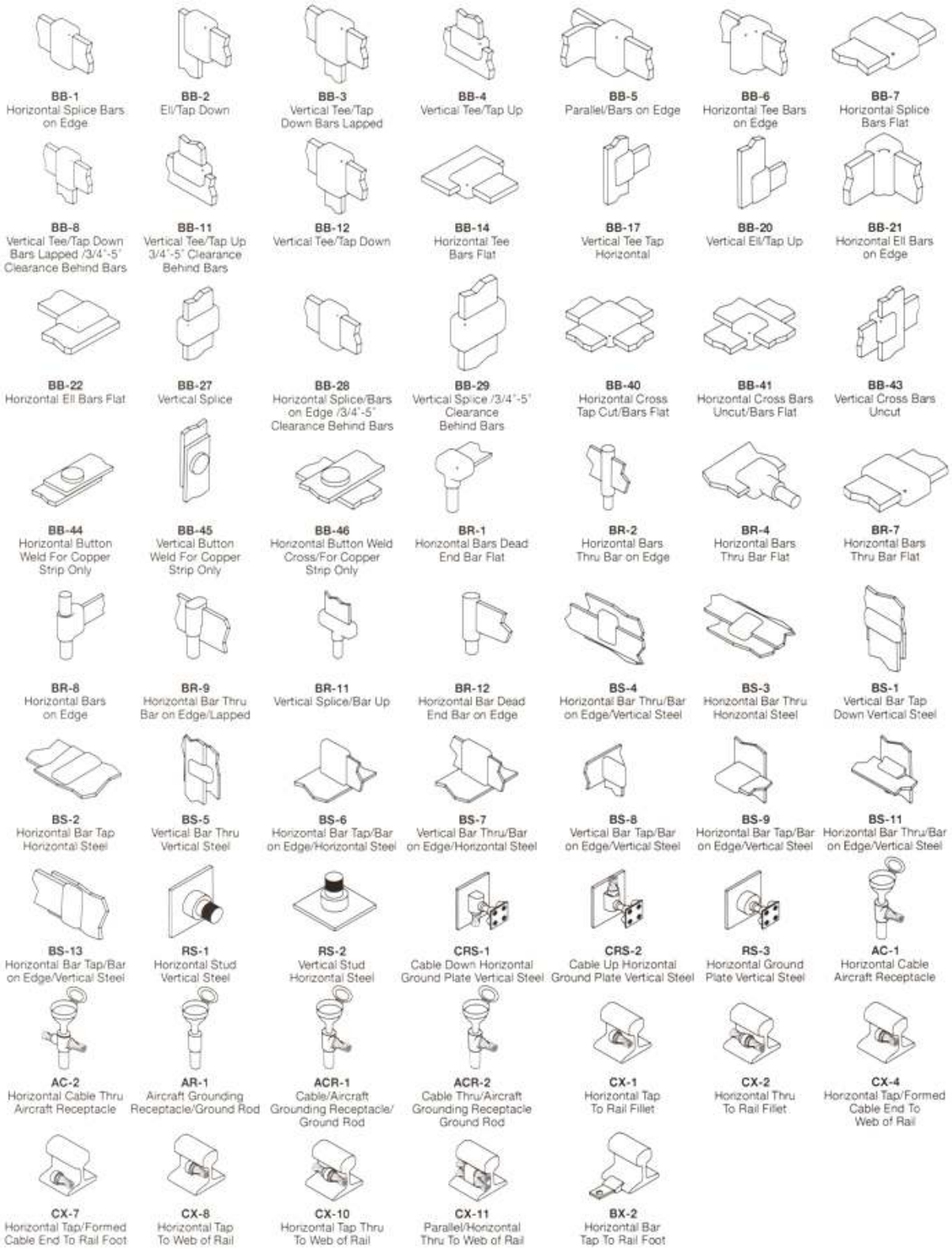
V STEEL WIRE BRUSH

MOULD CHART (A)

MOULD CHART (B)



MOULD CHART ©


BB-1 Horizontal Splice Bars on Edge
BB-2 Ell/Tap Down
BB-3 Vertical Tee/Tap Down Bars Lapped
BB-4 Vertical Tee/Tap Up
BB-5 Parallel/Bars on Edge
BB-6 Horizontal Tee Bars on Edge
BB-7 Horizontal Splice Bars Flat
BB-8 Vertical Tee/Tap Down Bars Lapped /3/4"-5" Clearance Behind Bars
BB-11 Vertical Tee/Tap Up 3/4"-5" Clearance Behind Bars
BB-12 Vertical Tee/Tap Down
BB-14 Horizontal Tee Bars Flat
BB-17 Vertical Tee Tap Horizontal
BB-20 Vertical Ell/Tap Up
BB-21 Horizontal Ell Bars on Edge
BB-22 Horizontal Ell Bars Flat
BB-27 Vertical Splice
BB-28 Horizontal Splice/Bars on Edge /3/4"-5" Clearance Behind Bars
BB-29 Vertical Splice /3/4"-5" Clearance Behind Bars
BB-40 Horizontal Cross Tap Cut/Bars Flat
BB-41 Horizontal Cross Bars Uncut/Bars Flat
BB-43 Vertical Cross Bars Uncut
BB-44 Horizontal Button Weld For Copper Strip Only
BB-45 Vertical Button Weld For Copper Strip Only
BB-46 Horizontal Button Weld Cross/For Copper Strip Only
BR-1 Horizontal Bars Dead End Bar Flat
BR-2 Horizontal Bars Thru Bar on Edge
BR-4 Horizontal Bars Thru Bar Flat
BR-7 Horizontal Bars Thru Bar Flat
BR-8 Horizontal Bars on Edge
BR-9 Horizontal Bar Thru Bar on Edge/Lapped
BR-11 Vertical Splice/Bar Up
BR-12 Horizontal Bar Dead End Bar on Edge
BS-4 Horizontal Bar Thru/Bar on Edge/Vertical Steel
BS-3 Horizontal Bar Thru Horizontal Steel
BS-1 Vertical Bar Tap Down Vertical Steel
BS-2 Horizontal Bar Tap Horizontal Steel
BS-5 Vertical Bar Thru Vertical Steel
BS-6 Horizontal Bar Tap/Bar on Edge/Horizontal Steel
BS-7 Vertical Bar Thru/Bar on Edge/Horizontal Steel
BS-8 Vertical Bar Tap/Bar on Edge/Vertical Steel
BS-9 Horizontal Bar Tap/Bar on Edge/Vertical Steel
BS-11 Horizontal Bar Thru/Bar on Edge/Vertical Steel
BS-13 Horizontal Bar Tap/Bar on Edge/Vertical Steel
RS-1 Horizontal Stud Vertical Steel
RS-2 Vertical Stud Horizontal Steel
CRS-1 Cable Down Horizontal Ground Plate Vertical Steel
CRS-2 Cable Up Horizontal Ground Plate Vertical Steel
RS-3 Horizontal Ground Plate Vertical Steel
AC-1 Horizontal Cable Aircraft Receptacle
AC-2 Horizontal Cable Thru Aircraft Receptacle
AR-1 Aircraft Grounding Receptacle/Ground Rod
ACR-1 Cable/Aircraft Grounding Receptacle/ Ground Rod
ACR-2 Cable Thru/Aircraft Grounding Receptacle Ground Rod
CX-1 Horizontal Tap To Rail Fillet
CX-2 Horizontal Thru To Rail Fillet
CX-4 Horizontal Tap/Formed Cable End To Web of Rail
CX-7 Horizontal Tap/Formed Cable End To Rail Foot
CX-8 Horizontal Tap To Web of Rail
CX-10 Horizontal Tap Thru To Web of Rail
CX-11 Parallel/Horizontal Thru To Web of Rail
BX-2 Horizontal Bar Tap To Rail Foot

MOULD CHART (D)

CRE-1
Parallel/Horizontal
Cable Horizontal Rebar

CRE-2
Tee/Horizontal
Cable Horizontal Rebar

CRE-3
Cross/Horizontal
Cable Thru/Vertical Rebar

CRE-4
Cross/Horizontal
Cable Thru/Horizontal Rebar

CRE-7
Splice/Vertical Cable
Up/Vertical Rebar Down

CRE-8
Splice/Vertical Cable
Down/Vertical Rebar Up

CRE-5
Cross/Vertical Cable
Thru/Horizontal Rebar

CRE-6
Tee/Horizontal Cable
Vertical Rebar

CRE-9
Splice/Horizontal Cable
Horizontal Rebar

CRE-11
Tee/Horizontal Cable
Thru Horizontal Rebar

CRE-12
Vertical Cable Thru
Horizontal Rebar

CRE-13
Tee/Vertical Cable
Up/Horizontal Rebar

CRE-15
Tee/Horizontal Cable
Thru/Vertical Rebar Up

CRE-14
Tee/Vertical Cable Down

CRE-16
Tee/Horizontal Cable
Thru/Vertical Rebar Down

CRE-17
Parallel/Horizontal Cable
Horizontal Rebar

CRE-18
Parallel/Vertical Cable
Down/Vertical Rebar

CRE-19
Parallel/Vertical Cable
Up Vertical Rebar

CRE-20
Parallel/Vertical Cable
Thru/Vertical Rebar Thru

RE-1
Splice/Horizontal

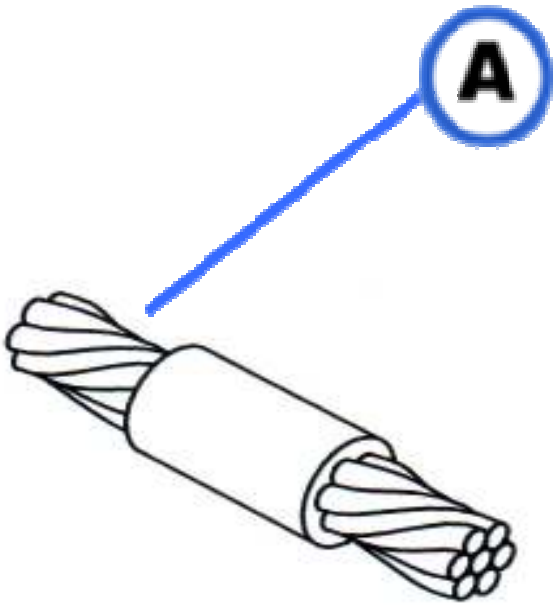
RE-2
Splice/Vertical

CC-1 Horizontal End to End

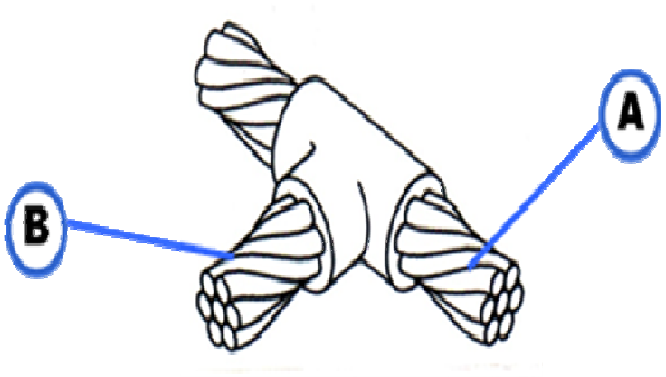
CABLE TO CABLE

CC-1 Type Mould are used for horizontal butt splice cable connections

A mm^2	Powder (g)	Mould Type	Clamp Type
10	15	CC1-C-10	HCC
16	25	CC1-C-16	HCC
25	32	CC1-C-25	HCC
35	32	CC1-C-35	HCC
50	45	CC1-C-50	HCC
70	65	CC1-C-70	HCC
95	90	CC1-C-95	HCC
120	115	CC1-C-120	HCC
150	115	CC1-C-150	HCC
185	150	CC1-C-185	HCC
240	200	CC1-D-240	HCD
300	250	CC1-D-300	HCD
400	150 x 2	CC1-D-400	HCD
500	200 x 2	CC1-E-500	HCD



CC-2



CABLE TO CABLE

Horizontal Cable Tap

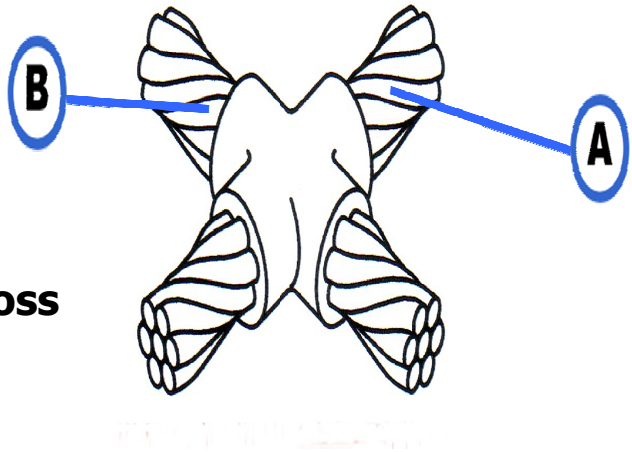
to Horizontal Cable Run

A mm^2	B mm^2	Powder (g)	Mould Type	Clamp
10	10	25	CC2-C-1010	HCC
16	16	32	CC2-C-1616	HCC
25	25	45	CC2-C-2525	HCC
35	35	45	CC2-C-3535	HCC
35	25	45	CC2-C-3525	HCC
50	50	90	CC2-C-5050	HCC
50	35	45	CC2-C-5035	HCC
50	25	45	CC2-C-5025	HCC
70	70	90	CC2-C-7070	HCC
70	50	90	CC2-C-7050	HCC
70	35	45	CC2-C-7035	HCC
70	25	45	CC2-C-7025	HCC
95	95	115	CC2-C-9595	HCC
95	70	90	CC2-C-9570	HCC
95	50	90	CC2-C-9550	HCC
95	35	90	CC2-C-9535	HCC
95	25	90	CC2-C-9525	HCC
120	120	150	CC2-C-120120	HCC
120	95	150	CC2-C-12095	HCC
120	70	90	CC2-C-12070	HCC
120	50	90	CC2-C-12050	HCC
120	35	90	CC2-C-12035	HCC
120	25	90	CC2-C-12025	HCC
150	150	200	CC2-D-150150	HCD
150	120	150	CC2-C-150120	HCC
150	95	150	CC2-C-15095	HCC
150	70	90	CC2-C-15070	HCC
150	50	90	CC2-C-15050	HCC
150	35	90	CC2-C-15035	HCC

A mm^2	B mm^2	Powder (g)	Mould Type	Clamp
150	25	90	CC2-C-15025	HCC
185	185	200	CC2-D-185185	HCD
185	150	200	CC2-D-185150	HCC
185	120	200	CC2-D-185120	HCD
185	95	150	CC2-C-18595	HCC
185	70	90	CC2-C-18570	HCC
185	50	90	CC2-C-18550	HCC
185	35	90	CC2-C-18535	HCC
185	25	90	CC2-C-18525	HCC
240	240	150 x 2	CC2-D-240240	HCD
240	185	200	CC2-C-240185	HCD
240	150	200	CC2-C-240150	HCD
240	120	200	CC2-C-240120	HCC
240	95	150	CC2-C-24095	HCC
240	70	90	CC2-C-24070	HCC
240	50	90	CC2-C-24050	HCC
240	35	90	CC2-C-24035	HCC
240	25	90	CC2-C-24025	HCC
300	300	200 x 2	CC2-D-300300	HCD
300	240	200 x 2	CC2-D-300240	HCD
300	185	250	CC2-C-300185	HCC
300	150	200	CC2-C-300150	HCC
300	120	150	CC2-C-300120	HCC
300	95	150	CC2-C-30095	HCC
300	70	150	CC2-C-30070	HCC
300	50	150	CC2-C-30050	HCC
300	50	150	CC2-C-30050	HCC
300	35	150	CC2-C-30035	HCC
300	25	150	CC2-C-30025	HCC

LEEWELDs
EXOTHERMIC WELDING

CC-4



CABLE TO CABLE

Horizontal to Horizontal Cable Cross

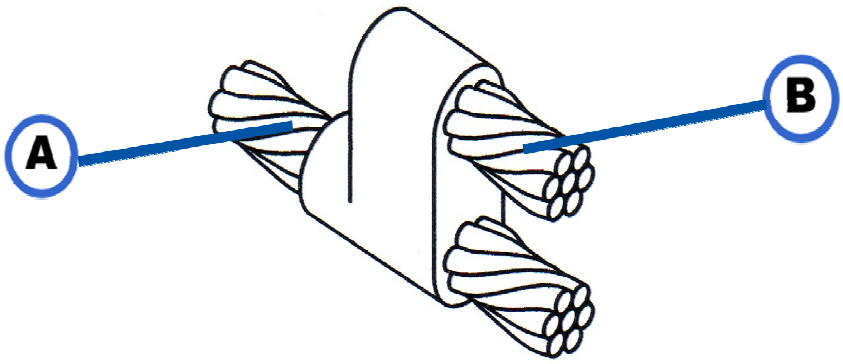
Type Mould are used to

join two horizontal cable at right angles.

A		B		Powder	Mould	Clamp
mm 2	AWG	mm 2	AWG	(g)	Type	Type
10	8	10	8	32	CC4-C-1010	HCC
16	6	16	6	45	CC4-C-1616	HCC
25	4	25	4	45	CC4-C-2525	HCC
35	2	35	2	65	CC4-C-3535	HCC
35	2	25	4	65	CC4-C-3525	HCC
50	1/0	50	1/0	90	CC4-C-5050	HCC
50	1/0	35	2	90	CC4-C-5035	HCC
50	1/0	25	4	90	CC4-C-5025	HCC
70	2/0	70	2/0	115	CC4-C-7070	HCC
70	2/0	50	1/0	115	CC4-C-7050	HCC
70	2/0	35	2	115	CC4-C-7035	HCC
70	2/0	25	4	115	CC4-C-7025	HCC
95	3/0	95	3/0	150	CC4-C-9595	HCC
95	3/0	70	2/0	150	CC4-C-9570	HCC
95	3/0	50	1/0	115	CC4-C-9550	HCC
95	3/0	35	2	115	CC4-C-9535	HCC
95	3/0	25	4	115	CC4-C-9525	HCC
120	4/0	120	4/0	200	CC4-D-120120	HCD
120	4/0	95	3/0	200	CC4-C-12095	HCC
120	4/0	70	2/0	150	CC4-C-12070	HCC
120	4/0	50	1/0	150	CC4-C-12050	HCC
120	4/0	35	2	115	CC4-C-12035	HCC
120	4/0	25	4	115	CC4-C-12025	HCC
150	300 MCM	150	300 MCM	250	CC4-D-150150	HCD
150	300 MCM	120	4/0	250	CC4-D-150120	HCD

A		B		Powder	Mould	Clamp
mm^2	AWG	mm 2	AWG	(g)	Type	Type
150	300 MCM	95	3/0	**200**	CC4-D-15095	HCD
150	300 MCM	70	2/0	150	CC4-C-15070	HCC
150	300 MCM	50	1/0	150	CC4-C-15050	HCC
150	300 MCM	35	2	115	CC4-C-15035	HCC
150	300 MCM	25	4	115	CC4-C-15025	HCC
185	350 MCM	185	350 MCM	150 x 2	CC4-E-185185	HCD
185	350 MCM	150	300 MCM	250	CC4-D-185150	HCD
185	350 MCM	120	4/0	250	CC4-D-185120	HCD
185	350 MCM	95	3/0	200	CC4-D-18595	HCD
185	350 MCM	70	2/0	200	CC4-D-18570	HCD
185	350 MCM	50	1/0	200	CC4-C-18550	HCC
185	350 MCM	35	2	150	CC4-C-18535	HCC
185	350 MCM	25	4	150	CC4-C-18525	HCC
240	500 MCM	240	500 MCM	250x2	CC4-D-240240	HCD
240	500 MCM	185	350 MCM	200x2	CC4-D-240185	HCD
240	500 MCM	150	300 MCM	200x2	CC4-D-240150	HCD
240	500 MCM	120	4/0	150X2	CC4-D-240120	HCD
240	500 MCM	95	3/0	150X2	CC4-D-24095	HCD
240	500 MCM	70	2/0	250	CC4-C-24070	HCC
240	500 MCM	50	1/0	250	CC4-C-24050	HCC
300	750 MCM	300	750 MCM	200x3	CC4-D-300300	HCD
300	750 MCM	240	500 MCM	200x3	CC4-D-300240	HCD
300	750 MCM	185	350 MCM	250x2	CC4-D-300185	HCD
300	750 MCM	150	300 MCM	250x2	CC4-D-300150	HCD
300	750 MCM	120	4/0	200x2	CC4-D-300120	HCD
300	750 MCM	95	3/0	200x2	CC4-D-30095	HCD

CC-6



CABLE TO CABLE

Horizontal Parallel Tap

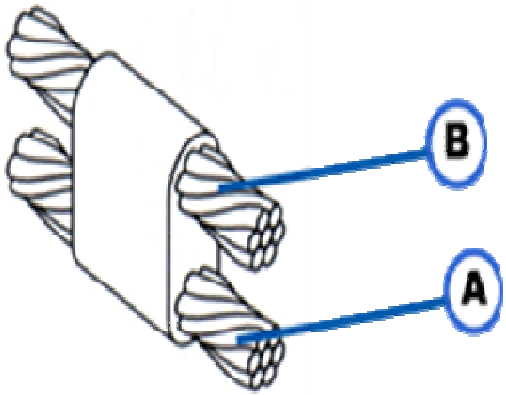
CC-6 Type Mould are used to join horizontal parallel tap to run connection.

A		B		Powder	Mould	Clamp
mm^2	AWG	mm^2	AWG	(g)	Type	Type
10	8	10	8	45	CC6-C-1010	HCC
16	6	16	6	45	CC6-C-1616	HCC
25	4	25	4	45	CC6-C-2525	HCC
35	2	35	2	65	CC6-C-3535	HCC
50	1/0	50	1/0	90	CC6-C-5050	HCC
50	1/0	35	2	65	CC6-C-5035	HCC
50	1/0	25	4	65	CC6-C-5025	HCC
70	2/0	70	2/0	115	CC6-C-7070	HCC
70	2/0	50	1/0	115	CC6-C-7050	HCC
70	2/0	35	2	90	CC6-C-7035	HCC
70	2/0	25	4	90	CC6-C-7025	HCC
95	3/0	95	3/0	150	CC6-C-9595	HCC
95	3/0	70	2/0	115	CC6-C-9570	HCC
95	3/0	50	1/0	115	CC6-C-9550	HCC
95	3/0	35	2	115	CC6-C-9535	HCC
120	4/0	120	4/0	200	CC6-C-120120	HCC
120	4/0	95	3/0	200	CC6-C-12095	HCC
120	4/0	70	2/0	150	CC6-C-12070	HCC
120	4/0	50	1/0	115	CC6-C-12050	HCC

LEEWELDs
EXOTHERMIC WELDING

CC-7 CABLE TO CABLE

Horizontal Parallel Through Cables

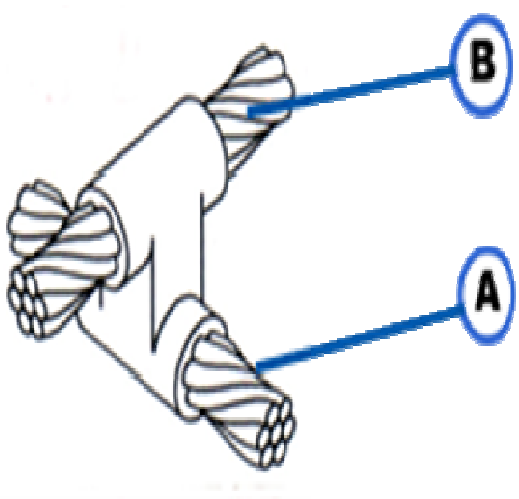


A		B		Powder	Mould	Clamp
mm^2	AWG	mm^2	AWG	(g)	Type	Type
10	8	10	8	32	CC7-C-1010	HCC
16	6	16	6	32	CC7-C-1616	HCC
25	4	25	4	45	CC7-C-2525	HCC
35	2	35	2	65	CC7-C-3535	HCC
35	2	25	4	65	CC7-C-3525	HCC
50	1/0	50	1/0	90	CC7-C-5050	HCC
50	1/0	35	2	90	CC7-C-5035	HCC
50	1/0	25	4	65	CC7-C-5025	HCC
70	2/0	70	2/0	115	CC7-C-7070	HCC
70	2/0	50	1/0	115	CC7-C-7050	HCC
70	2/0	35	2	90	CC7-C-7035	HCC
70	2/0	25	4	90	CC7-C-7025	HCC
95	3/0	95	3/0	150	CC7-C-9595	HCC
95	3/0	70	2/0	150	CC7-C-9570	HCC
95	3/0	50	1/0	115	CC7-C-9550	HCC
95	3/0	35	2	115	CC7-C-9535	HCC
120	4/0	120	4/0	200	CC7-C-120120	HCC
120	4/0	95	3/0	200	CC7-C-12095	HCC
120	4/0	70	2/0	150	CC7-C-12070	HCC
120	4/0	50	1/0	150	CC7-C-12050	HCC
150	300 MCM	150	300 MCM	150x2	CC7-D-150150	HCD
150	300 MCM	120	4/0	250	CC7-C-150120	HCC
150	300 MCM	95	3/0	200	CC7-C-15095	HCC
150	300 MCM	70	2/0	150	CC7-C-15070	HCC
185	350 MCM	185	350 MCM	150x2	CC7-D-185185	HCD
185	350 MCM	150	300 MCM	150x2	CC7-D-185150	HCD
185	350 MCM	120	4/0	250	CC7-C-185120	HCC
185	350 MCM	95	3/0	200	CC7-C-18595	HCC
240	500 MCM	240	500 MCM	200x2	CC7-D-240240	HCD
240	500 MCM	185	350 MCM	150x2	CC7-D-240185	HCD
240	500 MCM	150	300 MCM	150x2	CC7-D-240150	HCD
240	500 MCM	120	4/0	250	CC7-C-240120	HCC
300	750 MCM	300	750 MCM	250x2	CC7-D-300300	HCD
300	750 MCM	240	500 MCM	250x2	CC7-D-300240	HCD
300	750 MCM	185	350 MCM	200x2	CC7-D-300185	HCD
300	750 MCM	150	300 MCM	150x2	CC7-D-300150	HCD

CC-11 CABLE TO CABLE

Horizontal to Horizontal Cable Cross

CC-11 Type Mould are used to join un cut horizontal cables at right angles to each other.

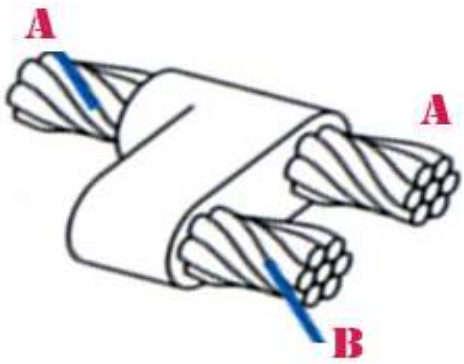


A		B		Powder	Mould	Clamp
mm^2	AWG	mm^2	AWG	(g)	Type	Type
25	4	25	4	65	CC11-E-2525	HCD
35	2	35	2	90	CC11-E-3535	HCD
50	1/0	50	1/0	150	CC11-E-5050	HCD
70	2/0	70	2/0	200	CC11-E-7070	HCD
70	2/0	50	1/0	200	CC11-E-7050	HCD
70	2/0	35	2	150	CC11-E-7035	HCD
95	3/0	95	3/0	250	CC11-E-9595	HCD
95	3/0	70	2/0	250	CC11-E-9570	HCD
95	3/0	50	1/0	200	CC11-E-9550	HCD
95	3/0	35	2	200	CC11-E-9535	HCD
120	4/0	120	4/0	150x2	CC11-E-120120	HCD
120	4/0	95	3/0	150x2	CC11-E-12095	HCD
120	4/0	70	2/0	250	CC11-E-12070	HCD
120	4/0	50	1/0	250	CC11-E-12050	HCD
120	4/0	35	2	200	CC11-E-12035	HCD
150	300 MCM	150	300 MCM	200x2	CC11-E-150150	HCD
150	300 MCM	120	4/0	200x2	CC11-E-150120	HCD
150	300 MCM	95	3/0	150x2	CC11-E-15095	HCD
150	300 MCM	70	2/0	150x2	CC11-E-15070	HCD
150	300 MCM	50	1/0	250	CC11-E-15050	HCD
150	300 MCM	35	2	250	CC11-E-15035	HCD
185	350 MCM	185	350 MCM	250x2	CC11-L-185185	HCD
185	350 MCM	150	300 MCM	250x2	CC11-L-185150	HCD
185	350 MCM	120	4/0	250x2	CC11-L-185120	HCD
185	350 MCM	95	3/0	200x2	CC11-L-18595	HCD
185	350 MCM	70	2/0	150x2	CC11-L-18570	HCD
185	350 MCM	50	1/0	150x2	CC11-L-18550	HCD
185	350 MCM	35	2	150x2	CC11-L-18535	HCD
240	500 MCM	240	500 MCM	200x3	CC11-L-240240	HCD
240	500 MCM	185	350 MCM	200x3	CC11-L-240185	HCD
240	500 MCM	150	300 MCM	200x3	CC11-L-240150	HCD
240	500 MCM	120	4/0	200x3	CC11-L-240120	HCD
240	500 MCM	95	3/0	250x2	CC11-L-24095	HCD
240	500 MCM	70	2/0	250x2	CC11-L-24070	HCD
240	500 MCM	50	1/0	200x2	CC11-L-24050	HCD

CC-13 CABLE TO CABLE

A		B		Powder	Mould	Clamp
mm^2	AWG	mm^2	AWG	(g)	Type	Type
10	8	10	8	45	CC13-C-1010	HCC
16	6	16	6	45	CC13-C-1616	HCC
25	4	25	4	45	CC13-C-2525	HCC
35	2	35	2	65	CC13-C-3535	HCC
50	1/0	50	1/0	90	CC13-C-5050	HCC
		35	2	65	CC13-C-5035	HCC
		25	4	65	CC13-C-5025	HCC
70	2/0	70	2/0	115	CC13-C-7070	HCC
		50	1/0	115	CC13-C-7050	HCC
		35	2	90	CC13-C-7035	HCC
		25	4	90	CC13-C-7025	HCC
95	3/0	95	3/0	150	CC13-C-9595	HCC
		70	2/0	115	CC13-C-9570	HCC
		50	1/0	115	CC13-C-9550	HCC
		35	2	115	CC13-C-9535	HCC
120	4/0	120	4/0	200	CC13-C-120120	HCC
		95	3/0	200	CC13-C-12095	HCC
		70	2/0	150	CC13-C-12070	HCC
		50	1/0	115	CC13-C-12050	HCC
150	300 MGM	150	300 MGM	250	CC13-C-150150	HCC
		120	4/0	250	CC13-C-150120	HCC
		95	3/0	200	CC13-C-15095	HCC
		70	2/0	150	CC13-C-15070	HCC
		50	1/0	150	CC13-C-15050	HCC
185	350 MGM	185	350 MGM	150 x 2	CC13-D-185185	HCD
		150	300 MGM	150 x 2	CC13-D-185150	HCD
		120	4/0	250	CC13-C-185120	HCC
		95	3/0	200	CC13-C-18595	HCC
		70	2/0	200	CC13-C-18570	HCC
240	500 MGM	240	500 MGM	200 x 2	CC13-D-240240	HCD
		185	350 MGM	150 x 2	CC13-D-240185	HCD
		150	300 MGM	150 x 2	CC13-D-240150	HCD
		120	4/0	250	CC13-C-240120	HCC
300	750 MGM	300	750 MGM	250 x 2	CC13-D-300300	HCD
		240	500 MGM	250 x 2	CC13-D-300240	HCD
		185	350 MGM	200 x 2	CC13-D-300185	HCD
		150	300 MGM	150 x 2	CC13-D-300150	HCD

Horizontal Parallel Cable Tap

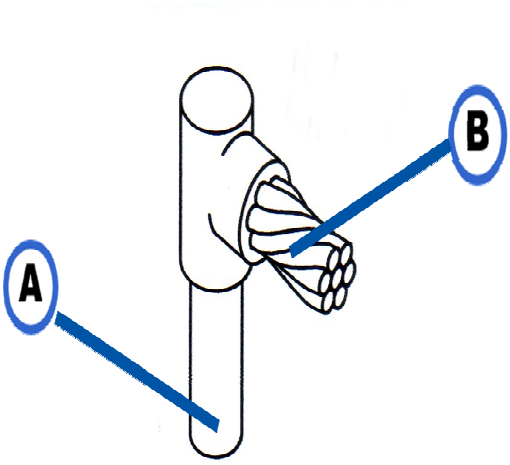


CR-1 CABLE TO ROD

CR-1 Horizontal Cable Terminal to Ground Rod

CR-1 Type Mould are used to terminate horizontal copper cable at the top of a vertical ground rod.

A		B		Powder	Mould	Clamp
mm	inch	mm^2	AWG	(g)	Type	Type
12.7	1/2	10	8	65	CR1-C-12710	HCC
		16	6	65	CR1-C-12716	HCC
		25	4	65	CR1-C-12725	HCC
		35	2	65	CR1-C-12735	HCC
		50	1/0	65	CR1-C-12750	HCC
		70	2/0	90	CR1-C-12770	HCC
		95	3/0	90	CR1-C-12795	HCC
		120	4/0	90	CR1-C-127120	HCC
14.2	5/8	10	8	65	CR1-C-14210	HCC
		16	6	65	CR1-C-14216	HCC
		25	4	65	CR1-C-14225	HCC
		35	2	90	CR1-C-14235	HCC
		50	1/0	90	CR1-C-14250	HCC
		70	2/0	90	CR1-C-14270	HCC
		95	3/0	90	CR1-C-14295	HCC
		120	4/0	90	CR1-C-142120	HCC
		150	300 MCM	115	CR1-C-142150	HCC
		185	350 MCM	150	CR1-C-142185	HCC
		240	500 MCM	150	CR1-C-142240	HCC
17.2	3/4	10	8	65	CR1-C-17210	HCC
		16	6	65	CR1-C-17216	HCC
		25	4	65	CR1-C-17225	HCC
		35	2	65	CR1-C-17235	HCC
		50	1/0	90	CR1-C-17250	HCC
		70	2/0	90	CR1-C-17270	HCC
		95	3/0	90	CR1-C-17295	HCC
		120	4/0	90	CR1-C-172120	HCC
		150	300 MCM	115	CR1-C-172150	HCC
		185	350 MCM	150	CR1-C-172185	HCC
		240	500 MCM	150	CR1-C-172240	HCC
		300	750 MCM	200	CR1-C-172300	HCC

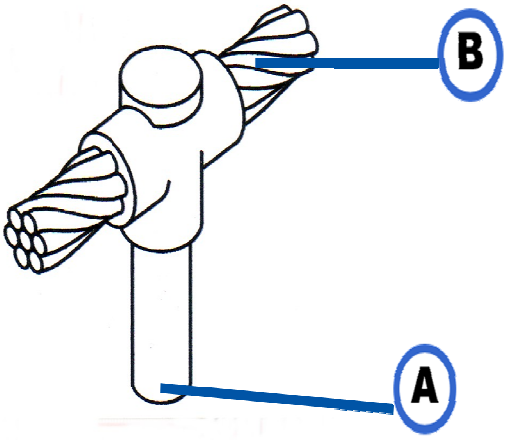


CR-2 CABLE TO ROD

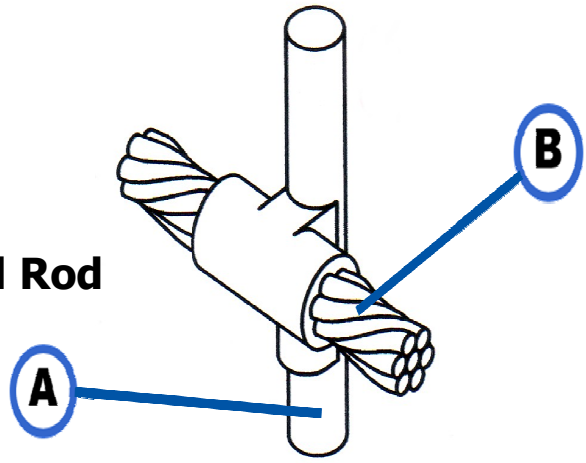
CR-2 Horizontal Cable to Ground Rod

CR-2 Type Mould are used to join horizontal through copper cable to the top of a vertical ground rod.

A		B		Powder	Mould	Clamp
mm	inch	mm^2	AWG	(g)	Type	Type
12.7	1/2	10	8	90	CR2-C-12710	HCC
		16	6	90	CR2-C-12716	HCC
		25	4	90	CR2-C-12725	HCC
		35	2	90	CR2-C-12735	HCC
		50	1/0	90	CR2-C-12750	HCC
		70	2/0	90	CR2-C-12770	HCC
		95	3/0	115	CR2-C-12795	HCC
		120	4/0	150	CR2-C-127120	HCC
14.2	5/8	10	8	65	CR2-C-14210	HCC
		16	6	65	CR2-C-14216	HCC
		25	4	90	CR2-C-14225	HCC
		35	2	90	CR2-C-14235	HCC
		50	1/0	90	CR2-C-14250	HCC
		70	2/0	115	CR2-C-14270	HCC
		95	3/0	115	CR2-C-14295	HCC
		120	4/0	150	CR2-C-142120	HCC
		150	300 MCM	200	CR2-C-142150	HCC
		185	350 MCM	200	CR2-C-142185	HCC
		240	500 MCM	250	CR2-C-142240	HCC
17.2	3/4	10	8	65	CR2-C-17210	HCC
		16	6	65	CR2-C-17216	HCC
		25	4	90	CR2-C-17225	HCC
		35	2	90	CR2-C-17235	HCC
		50	1/0	115	CR2-C-17250	HCC
		70	2/0	115	CR2-C-17270	HCC
		95	3/0	115	CR2-C-17295	HCC
		120	4/0	150	CR2-C-172120	HCC
		150	300 MCM	200	CR2-C-172150	HCC
		185	350 MCM	200	CR2-C-172185	HCC
		240	500 MCM	250	CR2-C-172240	HCC
		300	750 MCM	150x2	CR2-D-172300	HCD



CR-3 CABLE TO ROD



CR-3 Horizontal Thru Cable to Ground Rod

CR-3 Type Mould are used to join horizontal through run cable to the side of a vertical ground rod.

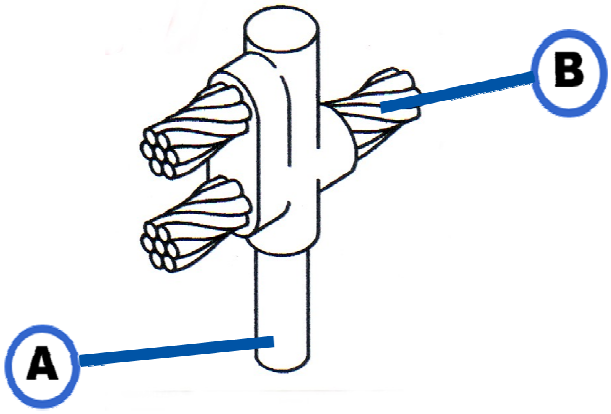
A		B		Powder	Mould	Clamp
mm	inch	mm^2	AWG	(g)	Type	Type
		10	8	90	CR3-E-12710	HCC
		16	6	90	CR3-E-12716	HCC
		25	4	90	CR3-E-12725	HCC
12.7	1/2	35	2	90	CR3-E-12735	HCC
		50	1/0	115	CR3-E-12750	HCC
		70	2/0	115	CR3-E-12770	HCC
		95	3/0	115	CR3-E-12795	HCC
		120	4/0	150	CR3-E-127120	HCC
		10	8	90	CR3-E-14210	HCC
		16	6	90	CR3-E-14216	HCC
		25	4	90	CR3-E-14225	HCC
		35	2	90	CR3-E-14235	HCC
		50	1/0	115	CR3-E-14250	HCC
14.2	5/8	70	2/0	115	CR3-E-14270	HCC
		95	3/0	115	CR3-E-14295	HCC
		120	4/0	150	CR3-E-142120	HCC
		150	300 MCM	200	CR3-E-142150	HCC
		185	350 MCM	250	CR3-E-142185	HCC
		240	500 MCM	200x2	CR3-J-142240	HCD
		10	8	90	CR3-E-17210	HCC
		16	6	90	CR3-E-17216	HCC
		25	4	90	CR3-E-17225	HCC
		35	2	90	CR3-E-17235	HCC
		50	1/0	115	CR3-E-17250	HCC
		70	2/0	150	CR3-E-17270	HCC
17.2	3/4	95	3/0	150	CR3-E-17295	HCC
		120	4/0	200	CR3-E-172120	HCC
		150	300 MCM	250	CR3-E-172150	HCC
		185	350 MCM	200x2	CR3-L-172185	HCD
		240	500 MCM	200x2	CR3-L-172240	HCD
		300	750 MCM	200x3	CR3-L-172300	HCD

LEEWELDs
EXOTHERMIC WELDING

CR-17 CABLE TO ROD

Horizontal Run and Tap Cables to Ground Rod

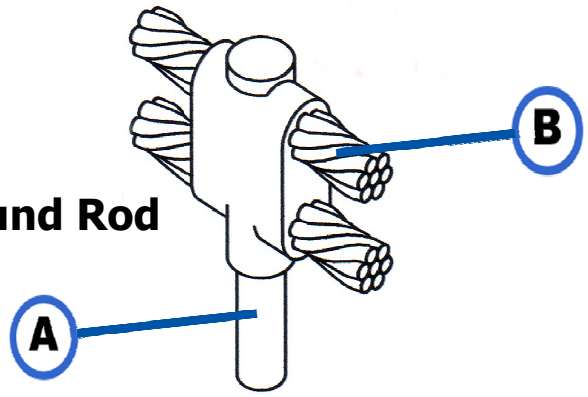
CR-17 Type Mould are used to join horizontal run and tap cables to the top of a vertical ground rod.



A		B		Powder	Mould	Clamp
mm	inch	mm^2	AWG	(g)	Type	Type
	1/2	25	4	90	CR17-C-12725	HCC
	1/2	35	2	90	CR17-C-12735	HCC
12.7	1/2	50	1/0	115	CR17-C-12750	HCC
	1/2	70	2/0	150	CR17-C-12770	HCC
	5/8	95	3/0	200	CR17-C-12795	HCC
	5/8	120	4/0	200	CR17-C-127120	HCC
		25	4	90	CR17-C-14225	HCC
		35	2	115	CR17-C-14235	HCC
		50	1/0	150	CR17-C-14250	HCC
14.2	5/8	70	2/0	200	CR17-C-14270	HCC
		95	3/0	250	CR17-C-14295	HCC
		120	4/0	150x2	CR17-D-142120	HCD
		150	300 MCM	200x2	CR17-D-142150	HCD
		25	4	90	CR17-C-17225	HCC
		35	2	115	CR17-C-17235	HCC
		50	1/0	150	CR17-C-17250	HCC
		70	2/0	200	CR17-C-17270	HCC
17.2	3/4	95	3/0	250	CR17-C-17295	HCC
		120	4/0	150x2	CR17-D-172120	HCD
		150	300 MCM	200x2	CR17-D-172150	HCD
		185	350 MCM	200x2	CR17-D-172185	HCD
		240	500 MCM	200x3	CR17-D-172240	HCD
		25	4	115	CR17-C-23125	HCC
		35	2	150	CR17-C-23135	HCC
		50	1/0	200	CR17-C-23150	HCC
		70	2/0	250	CR17-C-23170	HCC
23.1	1	95	3/0	150x2	CR17-D-23195	HCD
		120	4/0	200x2	CR17-D-231120	HCD
		150	300 MCM	250x2	CR17-D-231150	HCD
		185	350 MCM	250x2	CR17-D-231185	HCD
		240	500 MCM	250x3	CR17-D-231240	HCD

LEEWELDs
EXOTHERMIC WELDING

CR-24 CABLE TO ROD



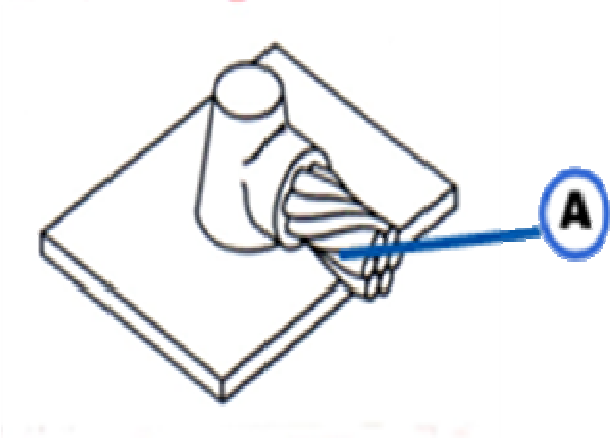
Horizontal Parallel Run Cables to Ground Rod

CR-24 Type Mould are used to join horizontal parallel cables to the top of a vertical ground rod.

A		B		Powder	Mould	Clamp
mm	inch	mm^2	AWG	(g)	Type	Type
12.7	1/2	25	4	115	CR24-C-12725	HCC
		35	2	115	CR24-C-12735	HCC
		50	1/0	150	CR24-C-12750	HCC
		70	2/0	200	CR24-C-12770	HCC
		95	3/0	250	CR24-C-12795	HCC
		120	4/0	150x2	CR24-D-127120	HCD
14.2	5/8	25	4	115	CR24-C-14225	HCC
		35	2	150	CR24-C-14235	HCC
		50	1/0	200	CR24-C-14250	HCC
		70	2/0	250	CR24-C-14270	HCC
		95	3/0	150x2	CR24-D-14295	HCD
		120	4/0	200x2	CR24-D-142120	HCD
		150	300 MCM	250x2	CR24-D-142150	HCD
		185	350 MCM	250x2	CR24-D-142185	HCD
		240	500 MCM	250x3	CR24-D-142240	HCD
17.2	3/4	25	4	115	CR24-C-17225	HCC
		35	2	150	CR24-C-17235	HCC
		50	1/0	200	CR24-C-17250	HCC
		70	2/0	250	CR24-C-17270	HCC
		95	3/0	150x2	CR24-D-17295	HCD
		120	4/0	200x2	CR24-D-172120	HCD
		150	300 MCM	250x2	CR24-D-172150	HCD
		185	350 MCM	250x2	CR24-D-172185	HCD
		240	500 MCM	250x3	CR24-D-172240	HCD
23.1	1	25	4	150	CR24-C-23125	HCC
		35	2	200	CR24-C-23135	HCC
		50	1/0	250	CR24-C-23150	HCC
		70	2/0	150x2	CR24-D-23170	HCD
		95	3/0	200x2	CR24-D-23195	HCD
		120	4/0	250x2	CR24-D-231120	HCD
		150	300 MCM	200x3	CR24-D-231150	HCD
		185	350 MCM	200x3	CR24-D-231185	HCD

CABLE TO STEEL

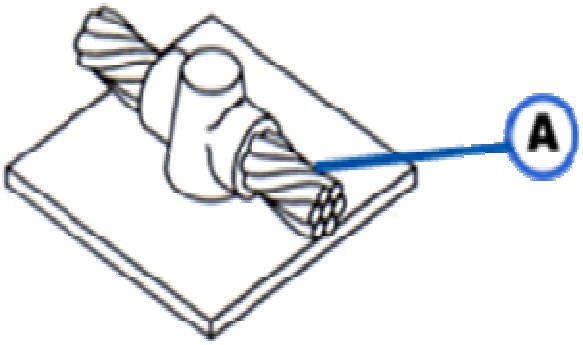
A		Powder	Mould	Clamp
mm^2	AWG	(g)	Type	Type
10	8	45	CS1-A-10	HCA
16	6	45	CS1-A-16	HCA
25	4	45	CS1-A-25	HCA
35	2	45	CS1-A-35	HCA
50	1/0	90	CS1-C-50	HCC
70	2/0	90	CS1-C-70	HCC
95	3/0	115	CS1-C-95	HCC
120	4/0	115	CS1-C-120	HCC
150	300 MCM	150	CS1-C-150	HCC
185	350 MCM	200	CS1-C-185	HCC
240	500 MCM	200	CS1-C-240	HCC
300	750 MCM	250	CS1-C-300	HCC



CS-1 Horizontal Cable to Horizontal Steel Surface

CS-1 Type Mould are used to terminate a horizontal copper cable to any horizontal Steel Surface. Note that the cable is OFF the surface.

A		Powder	Mould	Clamp
mm^2	AWG	(g)	Type	Type
10	8	45	CS2-A-10	HCA
16	6	45	CS2-A-16	HCA
25	4	45	CS2-A-25	HCA
35	2	45	CS2-A-35	HCA
50	1/0	90	CS1-C-50	HCC
70	2/0	115	CS1-C-70	HCC
95	3/0	115	CS1-C-95	HCC
120	4/0	150	CS1-C-120	HCC
150	300 MCM	200	CS1-C-150	HCC
185	350 MCM	250	CS1-C-185	HCC
240	500 MCM	150x2	CS1-D-240	HCD
300	750 MCM	200x2	CS1-D-300	HCD



CS-2 Horizontal Thru Cable to Horizontal Steel Surface

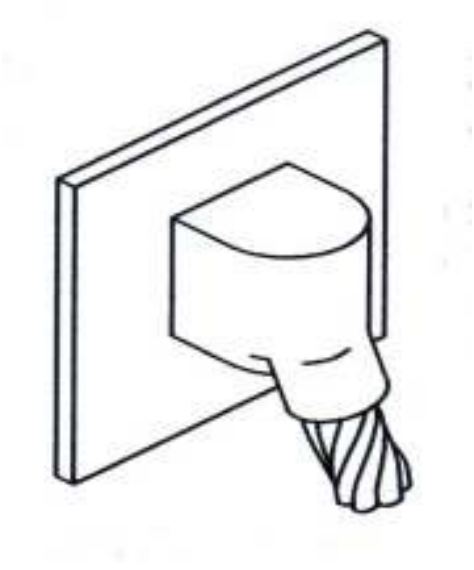
CS-2 Type Mould are used to join horizontal through copper cable to any horizontal steel surface. Note that the cable is OFF the surface.

CABLE TO STEEL

CS-3 Angular Cable to Vertical Steel Surface

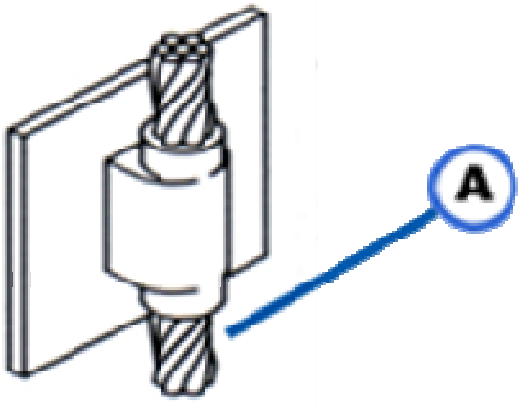
CS-3 Type Mould are used to join the end of a copper cable at a 45° angle to a vertical steel surface.

A		Powder	Mould	Clamp
mm^2	AWG	(g)	Type	Type
10	8	45	CS3-A-10	HCA
16	6	45	CS3-A-16	HCA
25	4	45	CS3-A-25	HCA
35	2	45	CS3-A-35	HCA
50	1/0	90	CS3-C-50	HCC
70	2/0	90	CS3-C-70	HCC
95	3/0	115	CS3-C-95	HCC
120	4/0	115	CS3-C-120	HCC
150	300 MCM	150	CS3-C-150	HCC
185	350 MCM	200	CS3-C-185	HCC
240	500 MCM	200	CS3-C-240	HCC
300	750 MCM	250	CS3-C-300	HCC



CS-4 Vertical Through Cable to Vertical Steel Surface

CS-4 Type Mould are used to join a vertical through copper cable to a



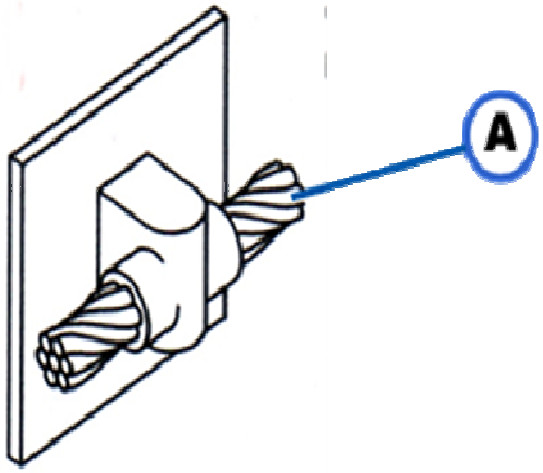
A		Powder	Mould	Clamp
mm^2	AWG	(g)	Type	Type
25	4	90	CS4-C-25	HCC
35	2	115	CS4-C-35	HCC
50	1/0	200	CS4-C-50	HCC
70	2/0	200	CS4-C-70	HCC
95	3/0	250	CS4-C-95	HCC
120	4/0	250	CS4-D-120	HCC
150	300 MCM	250	CS4-D-150	HCC

CABLE TO STEEL

CS-6 Horizontal Thru Cable to Vertical Steel Surface

CS-6 Type Mould are used to join a horizontal through copper cable to a vertical steel surface. Note that the cable is OFF the surface.

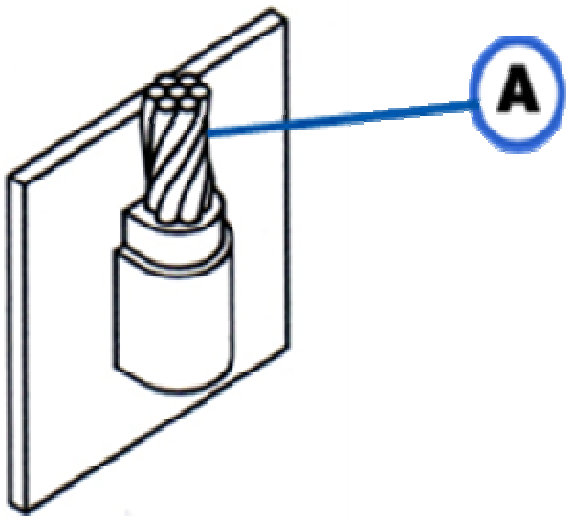
A		Powder	Mould	Clamp
mm^2	AWG	(g)	Type	Type
25	4	65	CS6-C-25	HCC
35	2	65	CS6-C-35	HCC
50	1/0	115	CS6-C-50	HCC
70	2/0	115	CS6-C-70	HCC
95	3/0	150	CS6-C-95	HCC
120	4/0	150	CS6-C-120	HCC



CS-7 Overhead Vertical Tap Cable to vertical Steel Surface

CS-7 Type Mould are used to join an overhead vertical copper conductor drop tap to a vertical steel surface. Note that the cable is ON the surface.

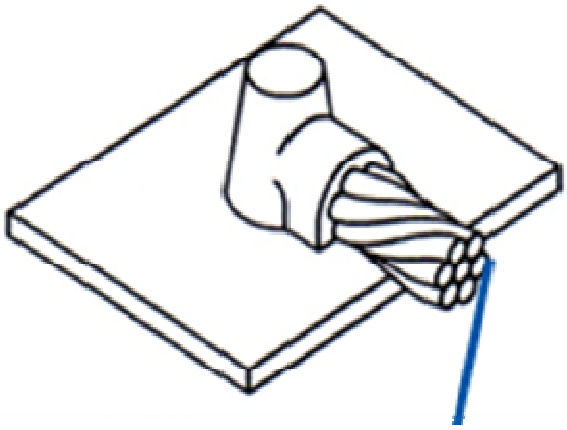
A		Powder	Mould	Clamp
mm^2	AWG	(g)	Type	Type
10	8	65	CS7-C-10	HCC
16	6	65	CS7-C-16	HCC
25	4	65	CS7-C-25	HCC
35	2	65	CS7-C-35	HCC
50	1/0	150	CS7-C-50	HCC
70	2/0	150	CS7-C-70	HCC
95	3/0	200	CS7-D-95	HCD
120	4/0	200	CS7-D-120	HCD
150	300 MCM	250	CS7-D-150	HCD
185	350 MCM	150x2	CS7-D-185	HCD
240	500 MCM	200x2	CS7-D-240	HCD
300	750 MCM	200x2	CS7-D-300	HCD



CABLE TO STEEL

CS8 Horizontal Cable to Horizontal Steel surface

CS-8 Type Mould are used to terminate a horizontal copper cable to any horizontal steel surface. Note that the cable is ON the surface.

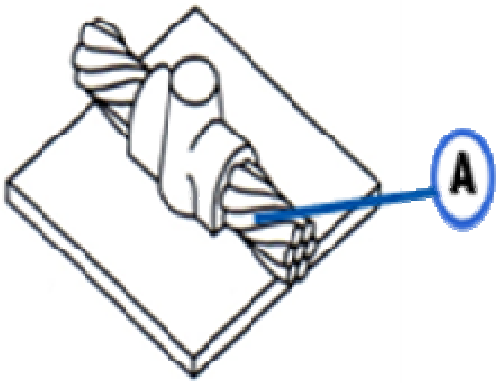


A		Powder	Mould	Clamp
mm^2	AWG	(g)	Type	Type
10	8	45	CS8-A-10	HCA
16	6	45	CS8-A-16	HCA
25	4	45	CS8-A-25	HCA
35	2	45	CS8-A-35	HCA
50	1/0	65	CS8-A-50	HCA
70	2/0	90	CS8-C-70	HCC

A		Powder	Mould	Clamp
mm^2	AWG	(g)	Type	Type
95	3/0	115	CS8-C-95	HCC
120	4/0	115	CS8-C-120	HCC
150	300 MCM	150	CS8-C-150	HCC
185	350 MCM	200	CS8-C-185	HCC
240	500 MCM	200	CS8-C-240	HCC
300	750 MCM	250	CS8-C-300	HCC

CS9 Horizontal thru Cable to Horizontal Steel Surface

A		Powder	Mould	Clamp
mm^2	AWG	(g)	Type	Type
10	8	45	CS9-A-10	HCA
16	6	45	CS9-A-16	HCA
25	4	45	CS9-A-25	HCA
35	2	45	CS9-A-35	HCA
50	1/0	90	CS9-C-50	HCC
70	2/0	115	CS9-C-70	HCC
95	3/0	115	CS9-C-95	HCC
120	4/0	150	CS9-C-120	HCC
150	300 MCM	200	CS9-C-150	HCC
185	350 MCM	250	CS9-C-185	HCC
240	500 MCM	150x2	CS9-D-240	HCD
300	750 MCM	200x2	CS9-D-300	HCD

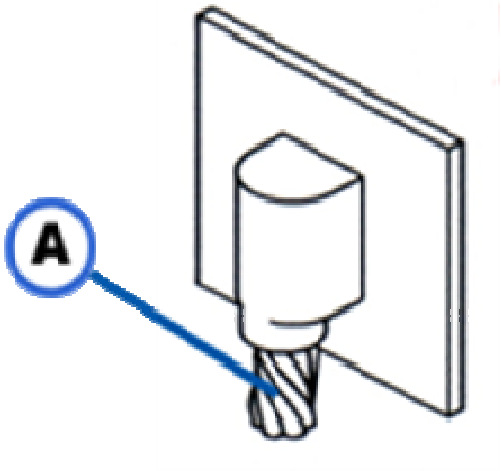


CS-9 Type Mould are used to join horizontal through copper cable to any horizontal steel surface. Note that the cable is ON the surface.

CABLE TO STEEL

CS-23 Vertical Cable Down to Vertical Steel Surface

CS-23 Type Mould are used to join vertical cable down to a vertical steel surface. Note that the cable is OFF the surface.

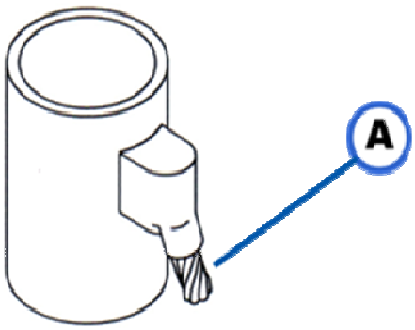


A mm²	A AWG	Powder (g)	Mould Type	Clamp Type
25	4	45	CS23-C-25	HCC
35	2	45	CS23-C-35	HCC
50	1/0	45	CS23-C-50	HCC
70	2/0	45	CS23-C-70	HCC
95	3/0	90	CS23-C-95	HCC
120	4/0	115	CS23-C-120	HCC
150	300 MCM	115	CS23-C-150	HCC
185	350 MCM	150	CS23-C-185	HCC
240	500 MCM	200	CS23-D-240	HCD

CABLE TO PIPE

CS-3.1 Angular Cable Drop to Vertical Pipe

CS-3.1 Type Mould are used to join the end of a copper cable at a 45° angle to a vertical PIPE.



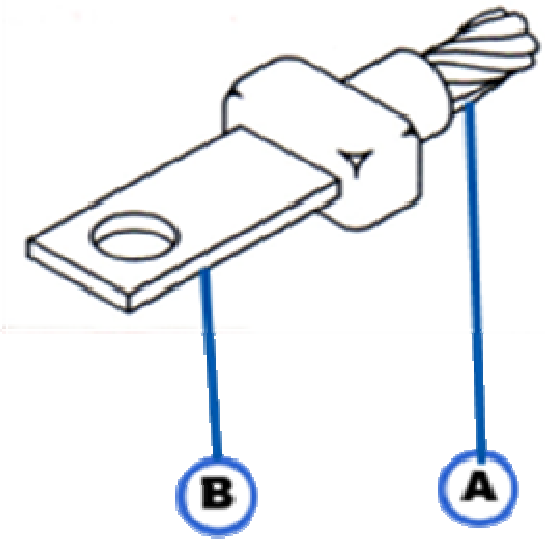
A mm²	A AWG	PIPE SIZE	Powder (g)	Mould Type	Clamp Type
25	4		45	CS3.1-C-25	HCC
35	2	1 1/4" to 4"	45	CS3.1-C-35	HCC
50	1/0	4" to 6"	90	CS3.1-C-50	HCC
70	2/0	6" to 10"	90	CS3.1-C-70	HCC
95	3/0	12" 7 up	115	CS3.1-C-95	HCC
120	4/0		115	CS3.1-C-120	HCC

LEEWELDs
EXOTHERMIC WELDING

CB-1 Horizontal Cable Tap to Horizontal Lug or Bus Bar

CABLE TO BUS BAR

CB-1 Type Mould are used to connect a copper conductor to a copper lug or bus bar.



A		B	Powder	Mould	Clamp
mm²	AWG	mmxmm	(g)	Type	Type
240	500 MCM	50x3	200	CB1-D-240503	HCD
240	500 MCM	50x4	200	CB1-D-240504	HCD
240	500 MCM	50x5	200	CB1-D-240505	HCD
240	500 MCM	50x6	150x2	CB1-D-240506	HCD
300	750 MCM	50x6	150x2	CB1-D-300506	HCD
300	750 MCM	50x8	200x2	CB1-D-300508	HCD

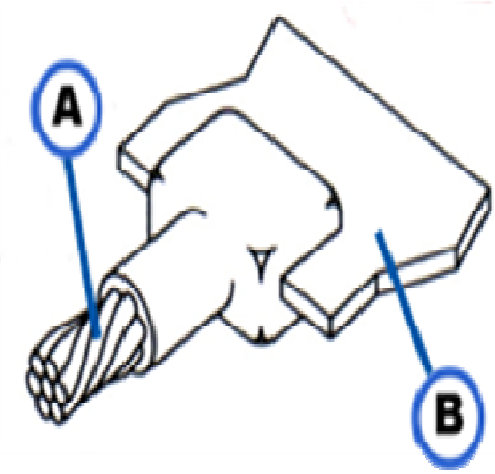
A		B	Powder	Mould	Clamp
mm²	AWG	mmxmm	(g)	Type	Type
10	8	20x2	32	CB1-C-10202	HCC
16	6	20x2	32	CB1-C-16202	HCC
16	6	20x3	32	CB1-C-16203	HCC
16	6	25x3	45	CB1-C-16253	HCC
25	4	20x2	32	CB1-C-25202	HCC
25	4	20x3	45	CB1-C-25203	HCC
25	4	25x3	45	CB1-C-25253	HCC
35	2	20x2	32	CB1-C-35202	HCC
35	2	20x3	45	CB1-C-35203	HCC
35	2	25x3	45	CB1-C-35253	HCC
50	1/0	20x2	45	CB1-C-50202	HCC
50	1/0	20x3	45	CB1-C-50203	HCC
50	1/0	25x3	65	CB1-C-50253	HCC
70	2/0	25x3	65	CB1-C-70253	HCC
70	2/0	25x4	90	CB1-C-70254	HCC
70	2/0	25x6	90	CB1-C-70256	HCC
95	3/0	25x3	90	CB1-C-95253	HCC
95	3/0	25x4	90	CB1-C-95254	HCC
95	3/0	25x5	90	CB1-C-95255	HCC
95	3/0	25x6	90	CB1-C-95256	HCC
120	4/0	25x3	90	CB1-C-120253	HCC
120	4/0	25x4	90	CB1-C-120254	HCC
120	4/0	25x5	115	CB1-C-120255	HCC
120	4/0	25x6	115	CB1-C-120256	HCC
120	4/0	30x5	115	CB1-C-120305	HCC
120	4/0	50x3	115	CB1-C-120503	HCC
120	4/0	50x6	150	CB1-C-120506	HCC
150	300 MCM	25x6	115	CB1-C-150256	HCC
150	300 MCM	30x5	115	CB1-C-150305	HCC
150	300 MCM	40x5	150	CB1-C-150405	HCC
150	300 MCM	50x3	115	CB1-C-150503	HCC
150	300 MCM	50x4	115	CB1-C-150504	HCC
185	350 MCM	30x5	150	CB1-C-185305	HCC
185	350 MCM	31x6	150	CB1-C-185316	HCC
185	350 MCM	38x6	150	CB1-C-185386	HCC
185	350 MCM	40x5	150	CB1-C-185405	HCC
185	350 MCM	50x4	150	CB1-D-185504	HCD
185	350 MCM	50x5	200	CB1-D-185505	HCD
185	350 MCM	50x6	200	CB1-D-185506	HCD

LEEWELDs
EXOTHERMIC WELDING

CABLE TO BUS BAR

CB-4 Horizontal Cable Tap to Horizontal Bus Bar

CB-4 Type Mould are used to connect horizontal copper cable tap to a horizontal copper bus bar with the flat side horizontal.



A		B	Powder	Mould	Clamp
mm^2	AWG	mmxmm	(g)	Type	Type
10	8	20x2	25	CB4-C-10202	HCC
16	6	20x2	32	CB4-C-16202	HCC
16	6	20x3	32	CB4-C-16203	HCC
16	6	25x3	32	CB4-C-16253	HCC
25	4	20x2	25	CB4-C-25202	HCC
25	4	20x3	32	CB4-C-25203	HCC
25	4	25x3	32	CB4-C-25253	HCC
35	2	20x2	32	CB4-C-35202	HCC
35	2	20x3	45	CB4-C-35203	HCC
35	2	25x3	45	CB4-C-35253	HCC
50	1/0	20x3	45	CB4-C-50203	HCC
50	1/0	25x2	45	CB4-C-50252	HCC
50	1/0	25x3	45	CB4-C-50523	HCC
50	1/0	25x4	65	CB4-C-50254	HCC
50	1/0	25x6	65	CB4-C-50256	HCC
70	2/0	25x3	65	CB4-C-70253	HCC
70	2/0	25x4	65	CB4-C-70254	HCC
70	2/0	25x6	90	CB4-C-70256	HCC
95	3/0	25x3	90	CB4-C-95253	HCC

A		B	Powder	Mould	Clamp
mm^2	AWG	mmxmm	(g)	Type	Type
95	3/0	25x4	90	CB4-C-95254	HCC
95	3/0	25x5	90	CB4-C-95255	HCC
95	3/0	25x6	115	CB4-C-95256	HCC
120	4/0	25x3	90	CB4-C-120253	HCC
120	4/0	25x5	90	CB4-C-120254	HCC
120	4/0	25x6	115	CB4-C-120255	HCC
120	4/0	30x5	115	CB4-C-120256	HCC
150	300 MCM	25x6	115	CB4-C-150256	HCC
150	300 MCM	30x5	115	CB4-C-150305	HCC
150	300 MCM	40x5	150	CB4-C-150405	HCC
185	350 MCM	25x3	150	CB4-C-185305	HCC
185	350 MCM	30x5	150	CB4-C-185316	HCC
185	350 MCM	40x5	150	CB4-C-185386	HCC
185	350 MCM	50x5	150	CB4-C-185405	HCC
185	350 MCM	50x6	150	CB4-C-185504	HCC
240	500 MCM	50x5	200	CB4-C-240505	HCC
240	500 MCM	50x6	250	CB4-C-240506	HCC
300	750 MCM	50x6	150x2	CB4-D-300506	HCD
300	750 MCM	50x8	200x2	CB4-D-300508	HCD

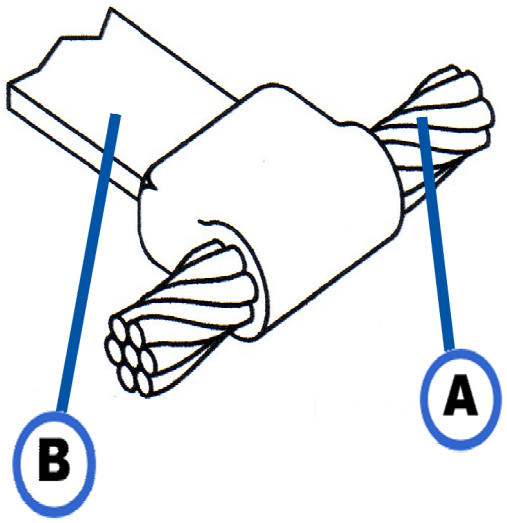
LEEWELDs
EXOTHERMIC WELDING

CABLE TO BUS BAR

CB-5 Horizontal Bus Tap to Horizontal Cable Run

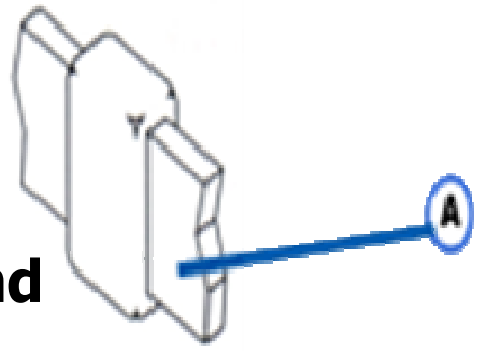
CB-5 Type Mould are used to connect horizontal copper bus bar, flat side horizontal, to a horizontal through run cable.

A		B	Powder	Mould	Clamp
mm²	AWG	mmxmm	(g)	Type	Type
10	8	20x2	45	CB5-C-10202	HCC
16	6	20x2	45	CB5-C-16202	HCC
16	6	20x3	45	CB5-C-16203	HCC
16	6	25x3	65	CB5-C-16253	HCC
25	4	20x2	45	CB5-C-25202	HCC
25	4	20x3	45	CB5-C-25203	HCC
25	4	25x3	65	CB5-C-25253	HCC
35	2	20x2	45	CB5-C-35202	HCC
35	2	20x3	45	CB5-C-35203	HCC
35	2	25x3	65	CB5-C-35253	HCC
50	1/0	20x3	65	CB5-C-50203	HCC
50	1/0	25x2	65	CB5-C-50252	HCC
50	1/0	25x3	65	CB5-C-50523	HCC
70	2/0	25x3	90	CB5-C-70253	HCC
70	2/0	25x4	115	CB5-C-70254	HCC
70	2/0	25x6	115	CB5-C-70256	HCC
95	3/0	25x4	150	CB5-C-95254	HCC
95	3/0	25x5	150	CB5-C-95255	HCC
95	3/0	25x6	150	CB5-C-95256	HCC
120	4/0	25x5	150	CB5-C-120254	HCC
120	4/0	25x6	150	CB5-C-120255	HCC
120	4/0	30x5	200	CB5-C-120256	HCC
150	300 MCM	25x6	200	CB5-C-150256	HCC
150	300 MCM	30x5	200	CB5-C-150305	HCC
150	300 MCM	40x5	250	CB5-C-150405	HCC
185	350 MCM	30x5	250	CB5-C-185305	HCC
185	350 MCM	40x5	250	CB5-C-185405	HCC
185	350 MCM	50x5	150x2	CB5-D-185505	HCD
240	500 MCM	30x5	250	CB5-C-240305	HCC
240	500 MCM	50x6	200x2	CB5-D-240506	HCD
300	750 MCM	50x6	250x2	CB5-D-300506	HCD
300	750 MCM	50x8	250x2	CB5-D-300508	HCD



LEEWELDs
EXOTHERMIC WELDING

BUS BAR TO BUS BAR



BB-1 Horizontal Bus End to End

BB-1 Type Mould are used to connect horizontal copper bus bar end to end. Flat sides are vertical.

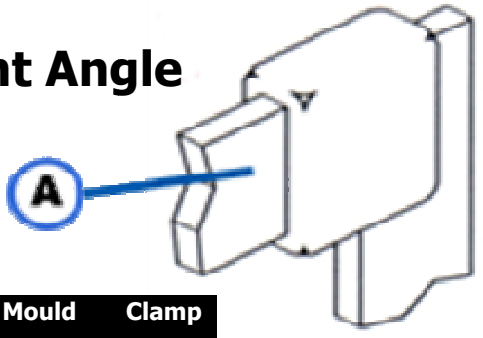
A mmxmm	Powder (g)	Mould Type	Clamp Type
20x2	45	BB1-C-202	HCC
20x3	45	BB1-C-203	HCC
25x2	65	BB1-C-252	HCC
25x3	65	BB1-C-253	HCC
25x4	90	BB1-C-254	HCC
25x6	115	BB1-C-256	HCC
30x2	65	BB1-C-302	HCC
30x3	65	BB1-C-303	HCC
30x4	115	BB1-C-304	HCC
30x5	115	BB1-C-305	HCC

A mmxmm	Powder (g)	Mould Type	Clamp Type
31x3	65	BB1-C-313	HCC
31x6	115	BB1-C-316	HCC
38x3	150	BB1-C-383	HCC
38x5	150	BB1-C-385	HCC
38x6	200	BB1-C-386	HCC
40x3	115	BB1-C-403	HCC
40x4	150	BB1-C-404	HCC
40x5	150	BB1-C-405	HCC
40x6	200	BB1-C-406	HCC
50x3	90	BB1-C-503	HCC

A mmxmm	Powder (g)	Mould Type	Clamp Type
50x4	115	BB1-C-504	HCC
50x5	200	BB1-C-505	HCC
50x6	250	BB1-C-506	HCC
50x8	150x2	BB1-D-508	HCD
60x6	250	BB1-C-606	HCC
60x8	200x2	BB1-D-608	HCD
60x10	250x2	BB1-D-6010	HCD
80x6	200x2	BB1-D-806	HCD
80x8	250x2	BB1-D-808	HCD
80x10	200x3	BB1-D-8010	HCD

BB-2 Horizontal to Vertical at Right Angle

BB-2 Type Mould are used to join horizontal copper bus bar at right angles to the top of vertical bus bar. Flat sides of both are vertical and parallel.



A Mmxmm	Powder (g)	Mould Type	Clamp Type
25x3	65	BB2-C-253	HCC
25x5	90	BB2-C-255	HCC
25x6	115	BB2-C-256	HCC
25x8	150	BB2-C-258	HCC
25x12	250	BB2-C-2512	HCC
31x6	150	BB2-C-316	HCC
38x3	115	BB2-C-383	HCC

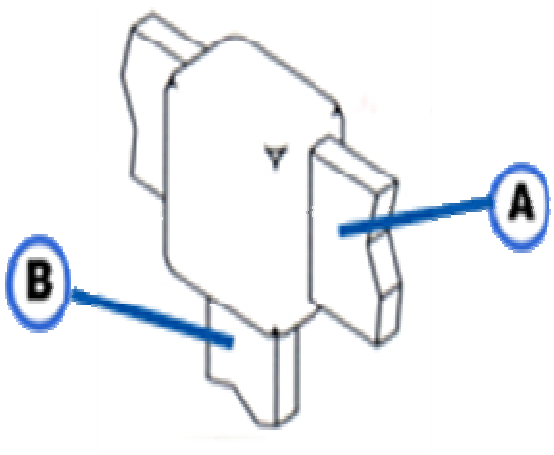
A mmxmm	Powder (g)	Mould Type	Clamp Type
38x6	200	BB2-C-386	HCC
38x8	250	BB2-C-388	HCC
50x3	90	BB2-C-503	HCC
50x4	115	BB2-C-504	HCC
50x5	200	BB2-C-505	HCC
50x6	250	BB2-C-506	HCC
50x8	150x2	BB2-D-508	HCD

LEEWELDs
EXOTHERMIC WELDING

BUS BAR TO BUS BAR

BB-3 Vertical Drop Tap to Horizontal Run

BB-3 Type Mould are used to connect a vertical drop copper bus bar to a horizontal copper bus bar. Flat sides are vertical and parallel.



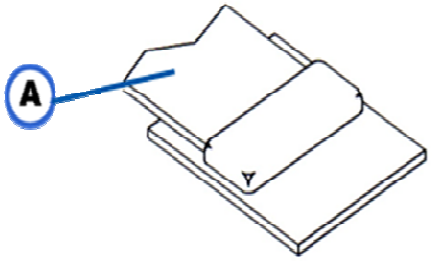
A mmxmm	B mmxmm	Powder (g)	Mould Type	Clamp Type
20x2	20x2	45	BB3-C-202202	HCC
20x3	20x3	65	BB3-C-203203	HCC
25x2	25x2	65	BB3-C-252252	HCC
25x3	25x3	65	BB3-C-253253	HCC
25x4	25x4	90	BB3-C-254254	HCC
25x6	25x6	150	BB3-C-256256	HCC
30x2	30x2	65	BB3-C-302302	HCC
30x3	30x3	90	BB3-C-303303	HCC
30x4	30x4	115	BB3-C-304304	HCC
31x3	31x3	115	BB3-C-313313	HCC
31x6	31x6	200	BB3-C-316316	HCC
38x3	38x3	115	BB3-C-383383	HCC
38x5	38x5	150	BB3-C-385385	HCC
38x6	38x6	200	BB3-C-386386	HCC
40x3	40x3	115	BB3-C-403403	HCC
40x4	40x4	150	BB3-C-404404	HCC
40x5	40x5	150	BB3-C-405405	HCC
40x6	40x6	200	BB3-C-406406	HCC
50x3	50x3	150	BB3-C-503503	HCC
50x4	50x4	200	BB3-C-504504	HCC
50x5	50x5	200	BB3-C-505505	HCC
50x6	50x6	250	BB3-C-506506	HCC
50x8	50x8	150x2	BB3-C-508508	HCC
60x6	60x6	150x2	BB3-C-606606	HCC
60x8	60x8	200x2	BB3-C-608608	HCC
60x10	60x10	250x2	BB3-C-60106010	HCC
80x6	80x6	200x2	BB3-C-806806	HCC
80x8	80x8	250x2	BB3-C-808808	HCC
80x10	80x10	200x3	BB3-C-80108010	HCC

LEEWELDs
EXOTHERMIC WELDING

BUS BAR TO STEEL

BS-1 Vertical Bus Bar Tap to Vertical Steel Surface

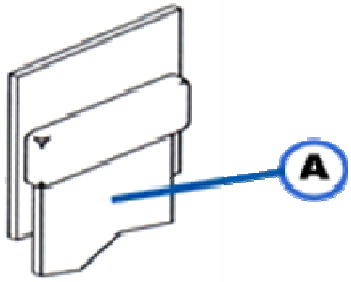
BS-1 Type Mould are used to connect a vertical copper bus bar tap to a vertical steel surface. Bus flat side is parallel to surface



A mmxmm	Powder (g)	Mould Type	Clamp Type
20x2	65	BS1-C-202	HCC
20x3	65	BS1-C-203	HCC
25x2	90	BS1-C-252	HCC
25x3	90	BS1-C-253	HCC
25x4	90	BS1-C-254	HCC
25x6	150	BS1-C-256	HCC
30x2	90	BS1-C-302	HCC
30x3	90	BS1-C-303	HCC
30x4	115	BS1-C-304	HCC
30x5	150	BS1-C-305	HCC
31x3	90	BS1-C-313	HCC
31x6	200	BS1-C-316	HCC
38x3	150	BS1-C-383	HCC
38x5	200	BS1-C-385	HCC
38x6	250	BS1-C-386	HCC
40x3	150	BS1-C-403	HCC
40x4	200	BS1-C-404	HCC
40x5	200	BS1-C-405	HCC
40x6	250	BS1-C-406	HCC
50x3	200	BS1-C-503	HCC
50x4	250	BS1-C-504	HCC
50x5	250	BS1-C-505	HCC
50x6	150x2	BS1-D-506	HCD
50x8	200x2	BS1-D-508	HCD
60x6	200x2	BS1-D-606	HCD
60x8	250x2	BS1-D-608	HCD
60x10	200x3	BS1-D-6010	HCD
80x6	250x2	BS1-D-806	HCD
80x8	200x3	BS1-D-808	HCD
80x10	250x3	BS1-D-8010	HCD

BS-2 Horizontal Tap to Horizontal Steel Surface

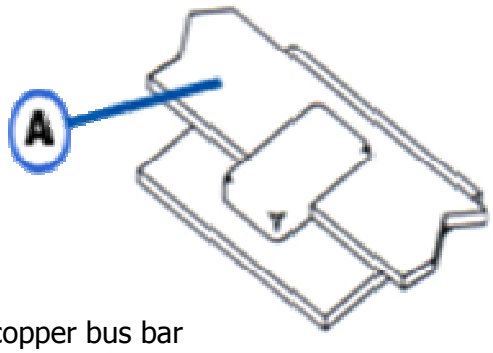
BS-2 Type Mould are used to connect a horizontal copper bus bar tap to a horizontal steel surface. Bus flat side is parallel to surface.



A mmxmm	Powder (g)	Mould Type	Clamp Type
20x2	65	BS2-C-202	HCC
20x3	90	BS2-C-203	HCC
25x2	90	BS2-C-252	HCC
25x3	90	BS2-C-253	HCC
25x4	90	BS2-C-254	HCC
25x6	150	BS2-C-256	HCC
30x2	115	BS2-C-302	HCC
30x3	115	BS2-C-303	HCC
30x4	150	BS2-C-304	HCC
30x5	200	BS2-C-305	HCC
31x3	115	BS2-C-313	HCC
31x6	200	BS2-C-316	HCC
38x3	150	BS2-C-383	HCC
38x5	200	BS2-C-385	HCC
38x6	200	BS2-C-386	HCC
40x3	115	BS2-C-403	HCC
40x4	200	BS2-C-404	HCC
40x5	200	BS2-C-405	HCC
40x6	250	BS2-C-406	HCC
50x3	200	BS2-C-503	HCC
50x4	150x2	BS2-D-504	HCD
50x5	150	BS2-D-505	HCD
50x6	150x2	BS2-D-506	HCD
50x8	200x2	BS2-D-508	HCD

LEEWELDs
EXOTHERMIC WELDING

BUS BAR TO STEEL



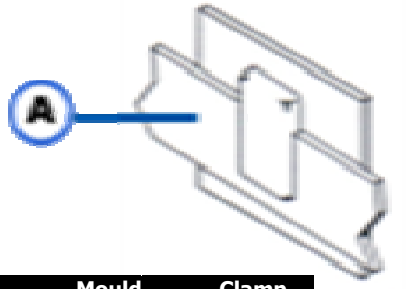
BS-3 Horizontal Thru Bar to Horizontal Steel Surface

BS-3 Type Mould are used to connect a horizontal through copper bus bar to a horizontal steel surface. Bus flat side is parallel to surface.

A mmxmm	Powder (g)	Mould Type	Clamp Type
20x2	65	BS3-C-202	HCC
20x3	90	BS3-C-203	HCC
25x2	90	BS3-C-252	HCC
25x3	115	BS3-C-253	HCC
25x4	115	BS3-C-254	HCC
25x6	150	BS3-C-256	HCC
30x2	115	BS3-C-302	HCC
30x3	115	BS3-C-303	HCC
30x4	150	BS3-C-304	HCC
30x5	200	BS3-C-305	HCC
31x3	115	BS3-C-313	HCC
31x6	200	BS3-C-316	HCC
38x3	150	BS3-C-383	HCC

A mmxmm	Powder (g)	Mould Type	Clamp Type
38x5	200	BS3-C-385	HCC
38x6	250	BS3-C-386	HCC
40x3	150	BS3-C-403	HCC
40x4	200	BS3-C-404	HCC
40x5	250	BS3-C-405	HCC
40x6	250	BS3-C-406	HCC
50x3	250	BS3-C-503	HCC
50x4	250	BS3-C-504	HCC
50x5	250	BS3-C-505	HCC
50x8	150x2	BS3-D-508	HCD
60x8	150x2	BS3-D-608	HCD
60x10	200x2	BS3-D-6010	HCD

BS-4 Horizontal or Vertical Thru Bar to Horizontal Steel Surface



BS-4 Type Mould are used to join a horizontal through copper bus bar to a vertical steel surface. Bus flat side is parallel to surface.

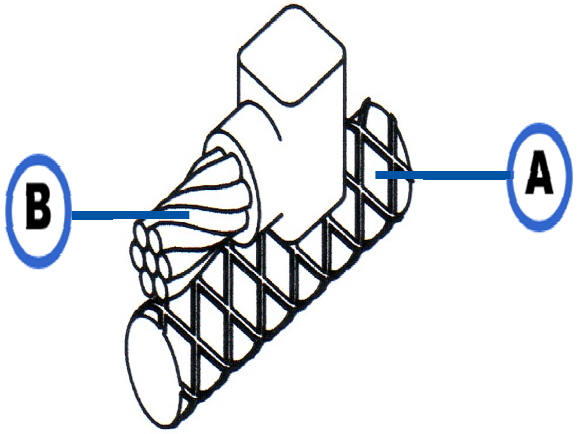
A mmxmm	Powder (g)	Mould Type	Clamp Type
20x2	90	BS4-C-202	HCC
20x3	90	BS4-C-203	HCC
25x2	115	BS4-C-252	HCC
25x3	115	BS4-C-253	HCC
25x4	150	BS4-C-254	HCC
25x6	150	BS4-C-256	HCC
30x2	115	BS4-C-302	HCC
30x3	115	BS4-C-303	HCC
30x4	200	BS4-C-304	HCC
30x5	200	BS4-C-305	HCC
31x3	150	BS4-C-313	HCC
31x6	200	BS4-C-316	HCC

A mmxmm	Powder (g)	Mould Type	Clamp Type
38x3	150	BS4-C-383	HCC
38x5	200	BS4-C-385	HCC
38x6	250	BS4-C-386	HCC
40x3	150	BS4-C-403	HCC
40x4	200	BS4-C-404	HCC
40x5	200	BS4-C-405	HCC
40x6	250	BS4-C-406	HCC
50x3	200	BS4-C-503	HCC
50x4	250	BS4-C-504	HCC
50x8	200x2	BS4-D-508	HCD
60x6	200x2	BS4-D-606	HCD
60x8	250x2	BS4-D-608	HCD
60x10	250x3	BS4-D-6010	HCD

CABLE TO REBAR

CRE-1 Horizontal Parallel Cable to Horizontal Rebar

CRE-1 Type Mould are recommended for parallel, horizontal connection for solid or concentric straded conductor.



A mm	B mm²	Powder (g)	Mould Type	Clamp Type
10	16	115	CER1-C-1610R	HCC
	25	115	CRE1-C-2510R	HCC
	35	115	CRE1-C-3510R	HCC
	50	150	CRE1-C-5010R	HCC
	70	150	CRE1-C-7010R	HCC
	95	200	CRE1-C-9510R	HCC
	120	200	CRE1-C-12010R	HCC
12	16	115	CER1-C-1612R	HCC
	25	115	CRE1-C-2512R	HCC
	35	115	CRE1-C-3512R	HCC
	50	150	CRE1-C-5012R	HCC
	70	150	CRE1-C-7012R	HCC
	95	200	CRE1-C-9512R	HCC
	120	200	CRE1-C-12012R	HCC
16	16	115	CER1-C-1616R	HCC
	25	115	CRE1-C-2516R	HCC
	35	115	CRE1-C-3516R	HCC
	50	150	CRE1-C-5016R	HCC
	70	200	CRE1-C-7016R	HCC
	95	200	CRE1-C-9516R	HCC
	120	200	CRE1-C-12016R	HCC

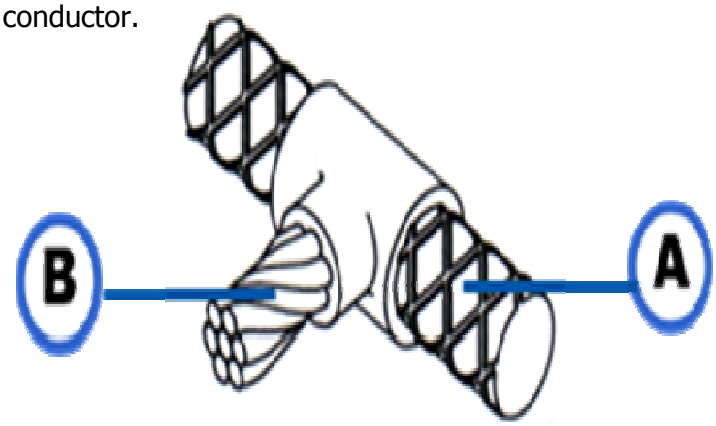
A mm	B mm²	Powder (g)	Mould Type	Clamp Type
20	16	150	CER1-C-1620R	HCC
	25	150	CRE1-C-2520R	HCC
	35	150	CRE1-C-3520R	HCC
	50	200	CRE1-C-5020R	HCC
	70	200	CRE1-C-7020R	HCC
	95	250	CRE1-C-9520R	HCC
	120	250	CRE1-C-12020R	HCC
25	16	150	CER1-C-1625R	HCC
	25	150	CRE1-C-2525R	HCC
	35	200	CRE1-C-3525R	HCC
	50	200	CRE1-C-5025R	HCC
	70	250	CRE1-C-7025R	HCC
	95	250	CRE1-C-9525R	HCC
	120	250	CRE1-C-12025R	HCC
30	35	200	CRE1-C-3530R	HCC
	50	250	CRE1-C-5030R	HCC
	70	250	CRE1-C-7030R	HCC
	95	250	CRE1-C-9530R	HCC
	120	250	CRE1-C-12030R	HCC

LEEWELDs
EXOTHERMIC WELDING

CABLE TO REBAR

CRE-2 Horizontal Cable Tap to Horizontal Rebar

CRE-2 Type Mould are recommended for right angle, horizontal connection for solid or concentric straded conductor.



A mm	B mm²	Powder (g)	Mould Type	Clamp Type
10	16	45	CER2-C-1610R	HCC
	25	45	CRE2-C-2510R	HCC
	35	65	CRE2-C-3510R	HCC
	50	90	CRE2-C-5010R	HCC
	70	90	CRE2-C-7010R	HCC
	95	115	CRE2-C-9510R	HCC
	120	115	CRE2-C-12010R	HCC
	150	150	CRE2-C-15010R	HCC
	185	150	CRE2-C-18510R	HCC
	240	200	CRE2-C-24010R	HCC
	300	200	CRE2-C-30010R	HCC
12	16	45	CER2-C-1612R	HCC
	25	45	CRE2-C-2512R	HCC
	35	65	CRE2-C-3512R	HCC
	50	90	CRE2-C-5012R	HCC
	70	90	CRE2-C-7012R	HCC
	95	115	CRE2-C-9512R	HCC
	120	115	CRE2-C-12012R	HCC
	150	150	CRE2-C-15012R	HCC
	185	150	CRE2-C-18512R	HCC
	240	200	CRE2-C-24012R	HCC
	300	200	CRE2-C-30012R	HCC

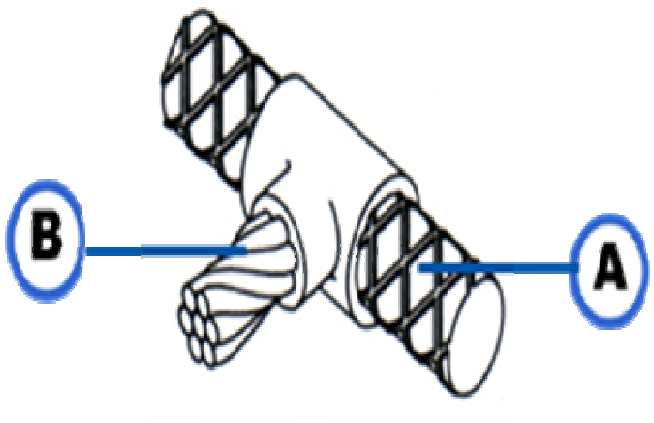
A mm	B mm²	Powder (g)	Mould Type	Clamp Type
16	16	90	CER2-C-1616R	HCC
	25	90	CRE2-C-2516R	HCC
	35	90	CRE2-C-3516R	HCC
	50	115	CRE2-C-5016R	HCC
	70	115	CRE2-C-7016R	HCC
	95	150	CRE2-C-9516R	HCC
	120	150	CRE2-C-12016R	HCC
	150	200	CRE2-C-15016R	HCC
	185	200	CRE2-C-18516R	HCC
	240	250	CRE2-C-24016R	HCC
	300	150x2	CRE2-C-30016R	HCC
20	16	115	CER2-C-1620R	HCC
	25	115	CRE2-C-2520R	HCC
	35	115	CRE2-C-3520R	HCC
	50	150	CRE2-C-5020R	HCC
	70	150	CRE2-C-7020R	HCC
	95	200	CRE2-C-9520R	HCC
	120	200	CRE2-C-12020R	HCC
	150	200	CRE2-C-15020R	HCC
	185	250	CRE2-C-18520R	HCC
	240	150x2	CRE2-D-24020R	HCD
	300	200x2	CRE2-D-30020R	HCD

CABLE TO REBAR

CRE-2 Horizontal Cable Tap to Horizontal Rebar

CRE-2 Type Mould are recommended for right angle, horizontal connection for solid or concentric straded conductor.

A mm	B mm^2	Powder (g)	Mould Type	Clamp Type
25	16	200	CER2-C-1610R	HCC
	25	200	CRE2-C-2510R	HCC
	35	200	CRE2-C-3510R	HCC
	50	200	CRE2-C-5010R	HCC
	70	250	CRE2-C-7010R	HCC
	95	250	CRE2-C-9510R	HCC
	120	250	CRE2-C-12010R	HCC
	150	150x2	CRE2-C-15010R	HCC
	185	150x2	CRE2-C-18510R	HCC
	240	200x2	CRE2-C-24010R	HCC
	300	200x2	CRE2-C-30010R	HCC
30	16	250	CER2-C-1612R	HCC
	25	250	CRE2-C-2512R	HCC
	35	250	CRE2-C-3512R	HCC
	50	150x2	CRE2-C-5012R	HCC
	70	150x2	CRE2-C-7012R	HCC
	95	150x2	CRE2-C-9512R	HCC
	120	200x2	CRE2-C-12012R	HCC
	150	200x2	CRE2-C-15012R	HCC
	185	250x2	CRE2-C-18512R	HCC
	240	200x3	CRE2-C-24012R	HCC
	300	200x3	CRE2-C-30012R	HCC



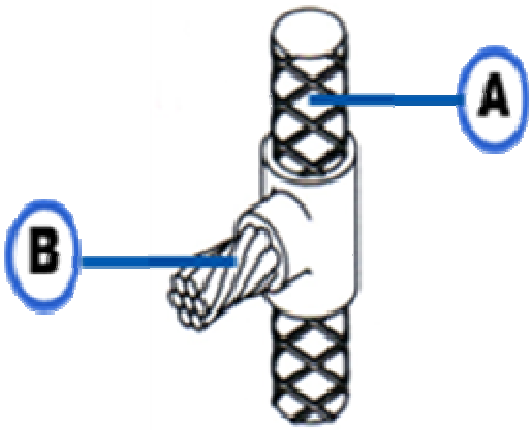
LEEWELDs

EXOTHERMIC WELDING

CABLE TO REBAR

CRE-6 Horizontal Cable Tap to Vertical Rebar

CRE-6 Type Mould are recommended for horizontal conductors terminating at right angles to vertical rebar



A mm	B mm²	Powder (g)	Mould Type	Clamp Type
10	16	65	CER6-C-1610R	HCC
	25	65	CRE6-C-2510R	HCC
	35	65	CRE6-C-3510R	HCC
	50	115	CRE6-C-5010R	HCC
	70	115	CRE6-C-7010R	HCC
	95	150	CRE6-C-9510R	HCC
	120	150	CRE6-C-12010R	HCC
12	16	65	CER6-C-1612R	HCC
	25	65	CRE6-C-2512R	HCC
	35	65	CRE6-C-3512R	HCC
	50	115	CRE6-C-5012R	HCC
	70	115	CRE6-C-7012R	HCC
	95	150	CRE6-C-9512R	HCC
	120	150	CRE6-C-12012R	HCC

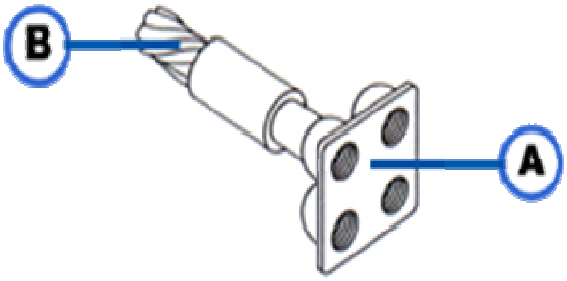
A mm	B mm²	Powder (g)	Mould Type	Clamp Type
	16	65	CER6-C-1616R	HCC
	25	65	CRE6-C-2516R	HCC
	35	65	CRE6-C-3516R	HCC
16	50	115	CRE6-C-5016R	HCC
	70	115	CRE6-C-7016R	HCC
	95	150	CRE6-C-9516R	HCC
	120	150	CRE6-C-12016R	HCC
	16	65	CER6-C-1620R	HCC
	25	65	CRE6-C-2520R	HCC
	35	65	CRE6-C-3520R	HCC
20	50	115	CRE6-C-5020R	HCC
	70	115	CRE6-C-7020R	HCC
	95	150	CRE6-C-9520R	HCC
	120	150	CRE6-C-12020R	HCC

A mm	B mm²	Powder (g)	Mould Type	Clamp Type
	16	65	CER6-C-1625R	HCC
	25	65	CRE6-C-2525R	HCC
	35	65	CRE6-C-3525R	HCC
25	50	115	CRE6-C-5025R	HCC
	70	115	CRE6-C-7025R	HCC
	95	150	CRE6-C-9525R	HCC
	120	150	CRE6-C-12025R	HCC
	16	65	CER6-C-1630R	HCC
	25	65	CRE6-C-2530R	HCC
	35	65	CRE6-C-3530R	HCC
30	50	115	CRE6-C-5030R	HCC
	70	115	CRE6-C-7030R	HCC
	95	150	CRE6-C-9530R	HCC
	120	150	CRE6-C-12030R	HCC

LEEWELDs
EXOTHERMIC WELDING

CABLE TO PLATE

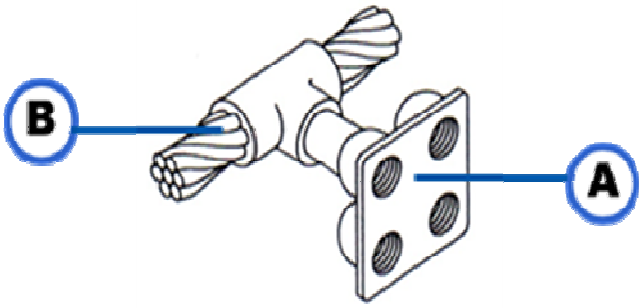
RC-1 Ground Plates to Horizontal Cable end



A mm	B mm²	Powder (g)	Mould Type	Clamp Type
12.7	70	90	RC1-C-12770	HCC
12.7	95	90	RC1-C-12795	HCC
12.7	120	115	RC1-C-127120	HCC

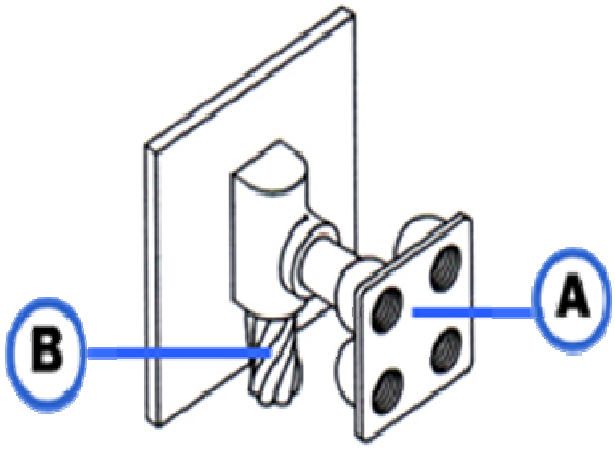
RC-2 Ground Plates to Horizontal Cable end

A mm	B mm²	Powder (g)	Mould Type	Clamp Type
12.7	70	90	RC2-C-12770	HCC
12.7	95	90	RC2-C-12795	HCC
12.7	120	115	RC2-C-127120	HCC



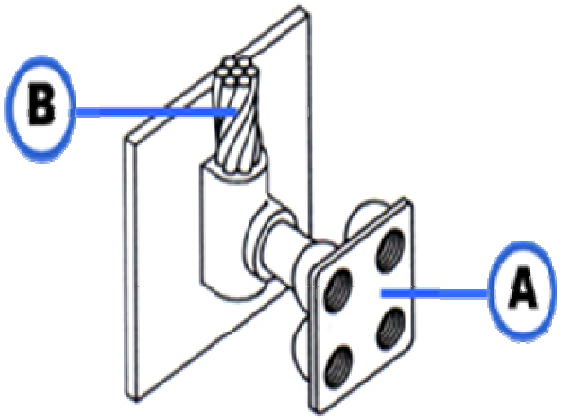
CRS-1 Ground Plates to Vertical Steel and Cable Down

A mm	B mm^2	Powder (g)	Mould Type	Clamp Type
12.7	70	200	CRS1-C-12770	HCC
12.7	95	250	CRS.1-C-12795	HCC
12.7	120	250	CRS1-C-127120	HCC

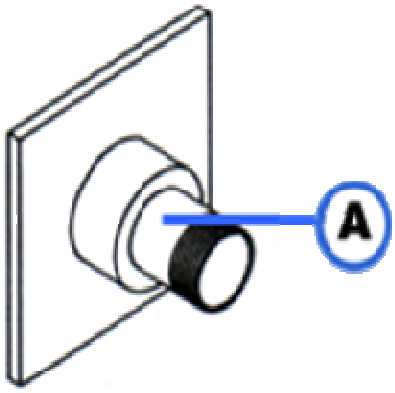


CRS-2 Ground Plates to Vertical Steel and Cable Up

A mm	B mm^2	Powder (g)	Mould Type	Clamp Type
12.7	70	200	CRS2-C-12770	HCC
12.7	95	250	CRS2-C-12795	HCC
12.7	120	250	CRS2-C-127120	HCC



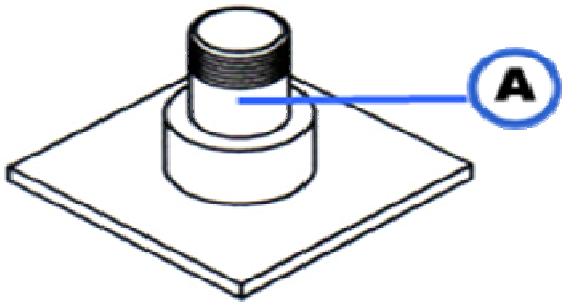
RS-1 Horizontal Stud to Vertical Steel Surface



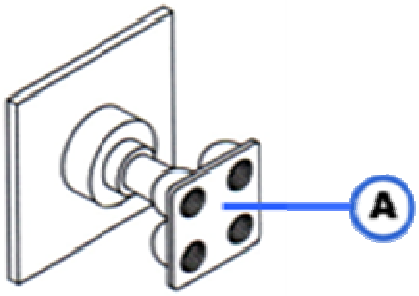
A mm	Powder (g)	Mould Type	Clamp Type
M6	25	RS1-C-M6	HCC
M8	32	RS1-C-M8	HCC
M10	45	RS1-C-M10	HCC
M12	65	RS1-C-M12	HCC
M16	115	RS1-C-M16	HCC

RS-2 Vertical Stud to Vertical Steel Surface

A mm	Powder (g)	Mould Type	Clamp Type
M6	25	RS2-C-M6	HCC
M8	32	RS2-C-M8	HCC
M10	45	RS2-C-M10	HCC
M12	65	RS2-C-M12	HCC
M16	115	RS2-C-M16	HCC



RS-3 Ground Plates to Vertical Steel



A mm	Powder (g)	Mould Type	Clamp Type
12.7	150	RC3-C-127	HCC

AR-1 Ground Receptacle to the Top of Ground Rod

A mean(mm)	A mm	Powder (g)	Mould Type	Clamp Type
14.2	5/8	150x2	AR1-R-158	HCC
17.2	3/4	150x2	AR1-R-172	HCC
23.1	1	200x2	AR1-J-254	HCD

ACR-1 Horizontal Cable And Ground Receptacle to the of Ground rod

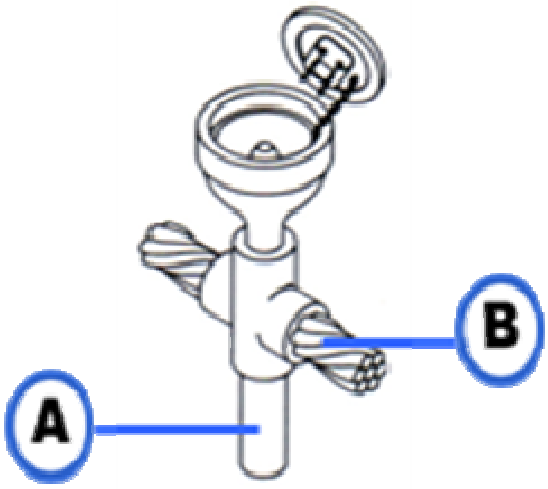
A mm	B mm²	Powder (g)	Mould Type	Clamp Type
12.7	35	115	ACR1-C-12735	HCC
	50	150	ACR1-C-12750	HCC
	70	150	ACR1-C-12770	HCC
	95	150	ACR1-C-12795	HCC
	120	150	ACR1-C-127120	HCC
14.2 (5/8)	50	200x2	ACR1-J-15850	HCD
	70	200x2	ACR1-J-15870	HCD
	95	200x2	ACR1-J-15895	HCD
	120	200x2	ACR1-J-158120	HCD

A mm	B mm²	Powder (g)	Mould Type	Clamp Type
17.2 (3/4)	50	200x2	ACR1-J-17250	HCD
	70	200x2	ACR1-J-17270	HCD
	95	200x2	ACR1-J-17295	HCD
	120	200x2	ACR1-J-172120	HCD
23.1 (1)	50	250x2	ACR1-J-25450	HCD
	70	250x2	ACR1-J-25470	HCD
	95	250x2	ACR1-J-25495	HCD
	120	250x2	ACR1-J-254120	HCD

LEEWELDs
EXOTHERMIC WELDING

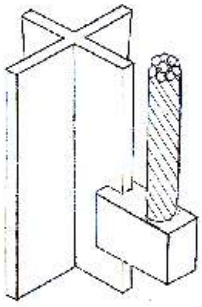
ACR-2 Horizontal Cable Thru And Ground Receptacle to the of Ground rod

A mm	B mm^2	Powder (g)	Mould Type	Clamp Type
12.7	35	115	ACR2-C-12735	HCC
	50	150	ACR2-C-12750	HCC
	70	150	ACR2-C-12770	HCC
	95	200	ACR2-C-12795	HCC
	120	200	ACR2-C-127120	HCC
14.2 (5/8)	50	200x2	ACR2-J-15850	HCD
	70	200x2	ACR2-J-15870	HCD
	95	200x2	ACR2-J-15895	HCD
	120	200x2	ACR2-J-158120	HCD
17.2 (3/4)	50	200x2	ACR2-J-17250	HCD
	70	200x2	ACR2-J-17270	HCD
	95	200x2	ACR2-J-17295	HCD
	120	200x2	ACR2-J-172120	HCD
23.1 (1)	50	250x2	ACR2-J-25450	HCD
	70	250x2	ACR2-J-25470	HCD
	95	250x2	ACR2-J-25495	HCD
	120	250x2	ACR2-J-254120	HCD

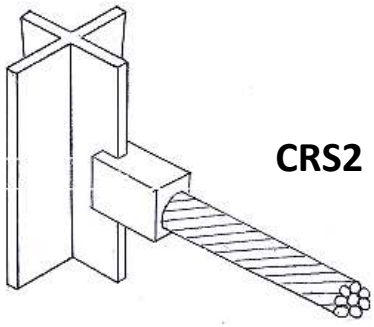


CRS Mould for galvanized steel wire strand to galvanized steel ground rod

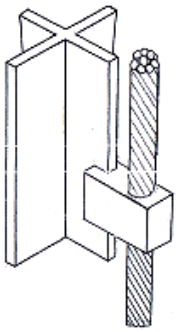
CRS1



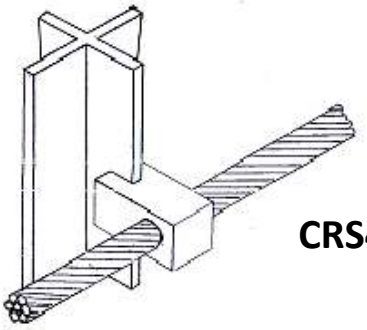
CRS2



CRS3

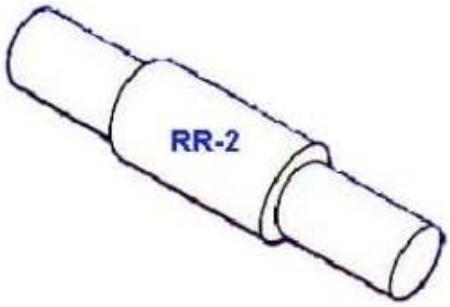


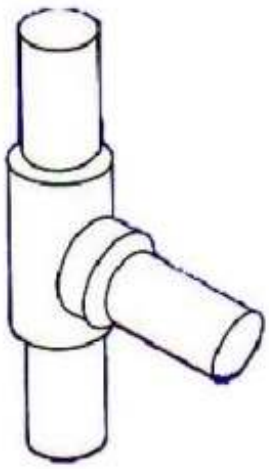
CRS4



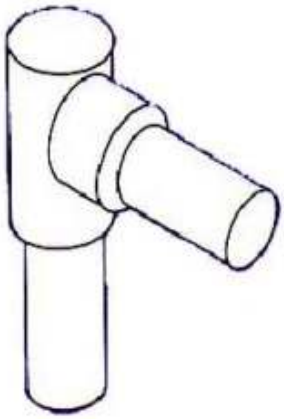
Mould Type	Powder (g)	Handle clamp
CRS1-CL-50205	65 90	HCX
CRS2-CL-50205	45 65 90	HCX
CRS3-CL-50205	90	HCX
CRS4-CL-50205	115	HCX

RR Ground Rod to Ground Rod

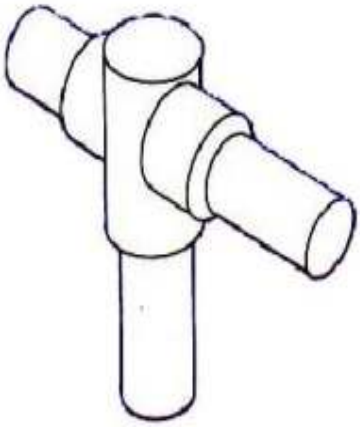




RR-3



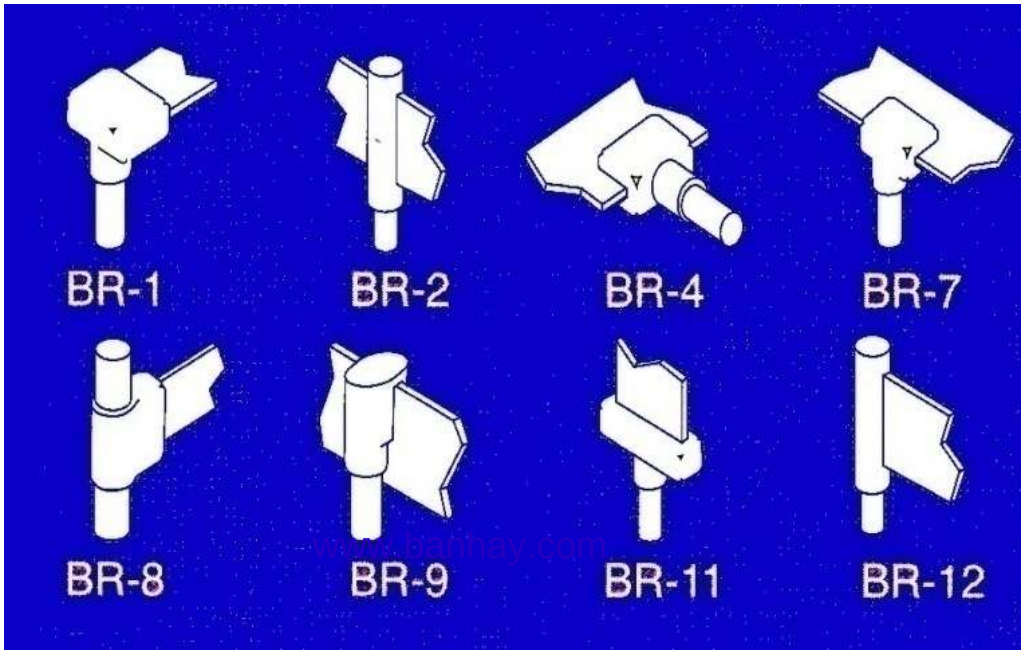
RR-4



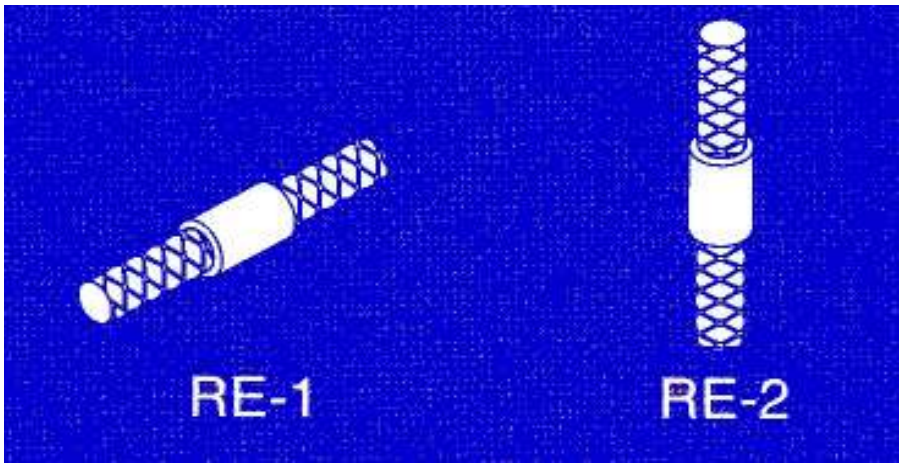
RR-5

LEEWELDs
EXOTHERMIC WELDING

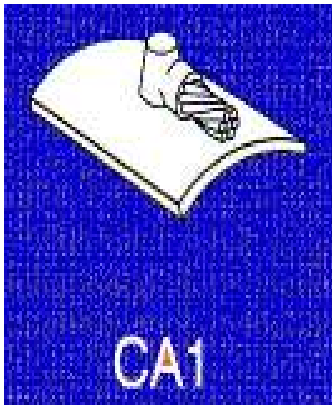
BR Bus Bar to Ground rod



RE Rebar to Rebar

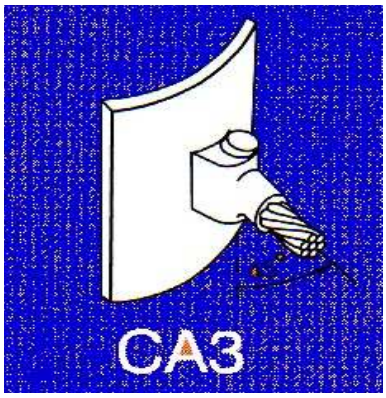


CA MOULD FOR CATHODIC PROTECTION



A mm²	Powder (g)	Mould Type	Clamp Type
2.5	15	CA1-A-2.5	HCA
4	15	CA1-A-4	HCA
6	15	CA1-A-6	HCA
10	15	CA1-A-10	HCA
16	15	CA1-A-16	HCA
25	15	CA1-A-25	HCA
35	32	CA1-A-35	HCA
50	65	CA1-A-50	HCA
70	65	CA1-A-70	HCA

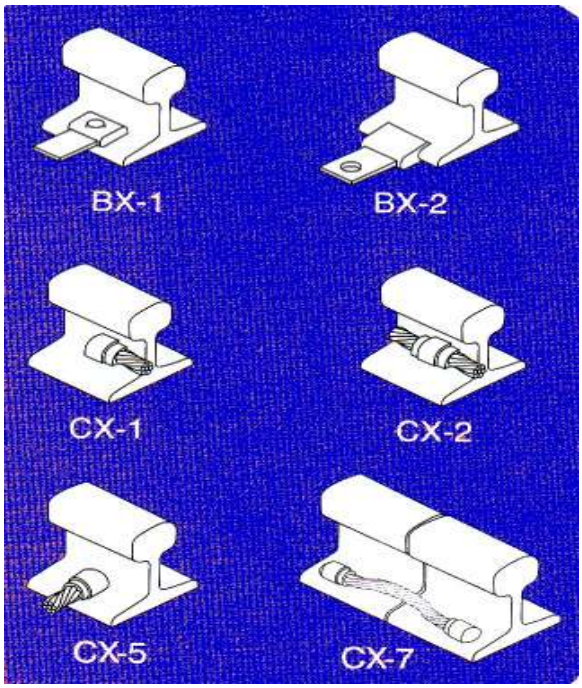
A mm²	Powder (g)	Mould Type	Clamp Type
2.5	25	CA2-A-2.5	HCA
4	25	CA2-A-4	HCA
6	25	CA2-A-6	HCA
10	25	CA2-A-10	HCA
16	25	CA2-A-16	HCA
25	25	CA2-A-25	HCA
35	45	CA2-A-35	HCA
50	65	CA2-A-50	HCA
70	65	CA2-A-70	HCA

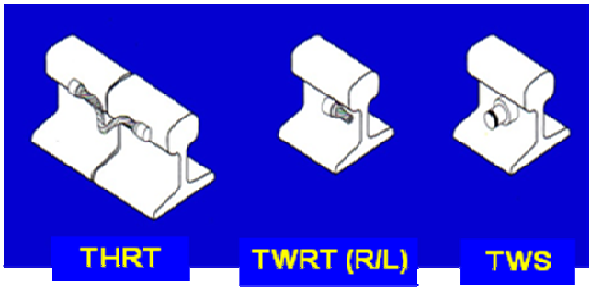


A mm²	Powder (g)	Mould Type	Clamp Type
2.5	15	CA3-A-2.5	HCA
4	15	CA3-A-4	HCA
6	15	CA3-A-6	HCA
10	15	CA3-A-10	HCA
16	15	CA3-A-16	HCA
25	15	CA3-A-25	HCA
35	32	CA3-A-35	HCA
50	65	CA3-A-50	HCA
70	65	CA3-A-70	HCA

LEEWELDs
EXOTHERMIC WELDING

BX-CX RAILWAY MOULD





Signaling Cable Diameter	Length	Powder (g)	Mould Type	Clamp Type
3/16"	24"	25	TWRT 3	HCW
5/16"	24"	32	TWRT 5	HCW

Signaling Cable Diameter	Length	Powder (g)	Mould Type	Clamp Type
3/16"	6 1/2"	25	THRT 3	HCH
5/16"	6 1/2"	32	THRT 5	HCH

Stud mm	Powder (g)	Mould Type	Clamp Type
M6	45	TWS 6	HCW
M8	45	TWS 8	HCW
M10	65	TWS 10	HCW
M12	90	TWS 12	HCW
M16	115	TWS 16	HCW

LEEWELDs
EXOTHERMIC WELDING

DUCTSEAL COMPOUND

Seals Around Junction Boxes, Flashing, Service Mast Entries,

- Service Cable Entries and Countless Other Applications.
- Easy To Use, Forms Around Irregular Surfaces & Configurations.
- Highly Resistant To Cracking, Drying and Shrinking.
- Cuts And Trims Easily.
- Can Be Painted Immediately After Application.
- Gray Color.
- +20F to 212F Workable Temperature Range.

LEEWELDs
EXOTHERMIC WELDING

CONDUCRETE (PHPR)

CONDUCRETE มีลักษณะเป็นผงคล้ายปูน บรรจุในถุงมีปริมาณ 25 กิโลกรัม มีคุณสมบัติพิเศษคือช่วยแก้ปัญหางาน Grounding ต่าง ๆ ให้มีประสิทธิภาพ ปลอดภัยต่อสภาพแวดล้อม ช่วยแก้ปัญหาการติดตั้งเสาสายส่งไฟฟ้าแรงสูงในบริเวณพื้นที่ภูเขาหรือพื้นที่ติดตั้งลำบาก เนื่องจากลักษณะพื้นที่แบบนั้น ส่วนใหญ่จะมีค่าความต้านทานเฉพาะของดินสูง การใช้ทำได้ง่าย ๆ โดยเทผง CONDUCRETE ในแนวยาวให้ทับ Conductor ที่วางในร่องที่ขุดขึ้นมา CONDUCRETE จะดูดความชื้นในดินแล้วแข็งกลายเป็นส่วนหนึ่งของ Grounding Electrode เป็นผลให้ความต้านทานของดินลดลงอย่างมาก และพื้นที่ผิวรอบ ๆ Electrode มีค่ามากขึ้น รวมทั้ง Surge impedance ลดลงอีกด้วย

CONDUCTIVE CONDUCRETE is a Conductive Cement used for Ground Rod and Ground Wirewhich installed underground.

- It is used to Reduce the soil resistivity (Resistant of soil) and to reduce the system impedance.
- It is friendly for Environment.
- Protect the Ground Rod and Ground Wire from corrosion.
- It will protect the System from floating ground.
- Protect the natural and Ground Wire.
- Economy system to protect the Ground and to Reduce the Grounding Resistant.

Conductive Concrete property

- To make low soil resistivity.
- Protect the Ground Wire and Ground Rod from the corrosion.
- Spreading high rise time surge rapidly.
- Economical.
- Go to protect floating ground.

Applications

1. Industrial Grounding.
2. Substations, Power plants, Chemical plants, Cement plants and Gas plants.
3. Micro Wave and Radio Towers.
4. High and Low voltage Towers (over head line towers).
5. Grounding for Computer and Network systems.
6. Grounding for Communication systems.
7. Oil and Water pipes.

LEEWELDs
EXOTHERMIC WELDING

GROUND ROD

LEEWELDs ground rod copper bonded are made by molecularly bonding pure electrolytic copper onto a low carbon high tensile steel cores

- High resistance to corrosion

- Stop corrosion, while providing the lowest possible resistance to ground

- Copper Jacket : Standard copper clad thickness not less than 254 Micron.

- Bending : There shall be no evidence of cracking of the jacket.

They are made by copper hight conductivity and low carbon steel core. Last longer drive easier and will not crack.

standard series

STANDARD SERIES

Rod Diameter	Rod Diameter (Actual)	Length	Code No.
16 mm (5/8")	14.2 mm	1800 mm (6')	LWGRS 586
16 mm (5/8")	14.2 mm	2400 mm (8')	LWGRS 588
16 mm (5/8")	14.2 mm	3000 mm (10')	LWGRS 5810
19 mm (3/4")	17.2 mm	1800 mm (6')	LWGRS 346
19 mm (3/4")	17.2 mm	2400 mm (8')	LWGRS 348
19 mm (3/4")	17.2 mm	3000 mm (10')	LWGRS 3410

Special diameter and copper bond thickness can be requested.