



"PetWeld"
EXOTHERMIC
WELDING
SYSTEM
New Products



"PetWeld" Exothermic Welding System



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PETWELD

EXOTHERMIC WELDING MATERIALS

INDEX

•WELDING POWDER AND ACCESSORIES

Economic "PetWeld" Welding Powder.....2
 Easy use "PetWeld" Welding Powder.....2
 "PetWeld" Exothermic Welding Compound Tablets.....3

•WELDING MOULDS

"PetWeld" Welding Moulds Numbering System.....3

•WELDING MOULDS CONNECTION TYPE

Exothermic Welding Wire to Wire Connection.....4
 Wire to Wire "T" Connection (CC-TH).....5
 Wire to Wire Cross Connection (CC-X).....6
 Wire to Wire Cross Connection (CC-XS).....7
 Wire to Wire Direct Connection (CC-E).....7
 Wire to Wire Parallel Connection (CC-HF).....8
 Wire to Wire Parallel Connection (CC-HA).....9
 Exothermic Welding Wire to Ground Rod Connection.....10
 Wire to Earth Rod Connection (CR-AR).....11
 Tape to Rod Connection (BR-AH).....11
 Wire to Earth Rod Connection (CR-T).....12
 Tape to Rod "T" Connection (BR-TH).....12
 Exothermic Welding Tape to Tape & Plate Connection.....13
 Direct Tape to Tape Connection (BB-EH).....14
 Tape to Tape "T" Connection (BB-TH).....14
 Tape to Tape "T" Connection (BB-TV).....14
 Tape to Plate Connection (BS-HS).....14
 Tape to Tape Connection (BB-V).....15
 Tape to Tape Cross Connection (BB-X).....15
 Direct Tape to Tape Connection (BB-EV).....15
 Tape to Steel Structure Connection (BS-VI).....15
 Exothermic Welding Wire to Tape & Plate Pipe Connection....16
 Tape to Wire Straight Connection (CB-E).....17
 Wire to Vertical Steel Structure Connection (CS-VI).....17
 Wire to Horizontal Plate Connection (CS-DH).....17
 Tape to Wire Connection (CB-T).....18
 Wire to Steel Structure Connection (CS-PVH).....18
 Vertical Wire to Plate Connection (CS-PVV).....18
 Tape to Wire "T" Connection (CBS-H).....19
 Wire to Tape "T" Connection (CB-TVA).....19
 Tape to Wire Connection (CBS-VI).....19
 Wire to Horizontal Plate Connection (CS-vvTH).....19

Wire to Pipe Connection (CP-TH).....20
 Exothermic Welding Wire to Rebar Connection.....21
 Wire to Rebar Cross Connection (CA-TS).....22
 Wire End to Rebar Connection (CA-TL).....22
 Wire to Rebar Cross Connection (CA-PV).....22
 Wire to Rebar "T" Connection (CA-TH).....22
 Wire to Rebar Cross Connection (CA-XS).....23
 Wire to Rebar Parallel Connection (CA-HV).....23
 Wire to Rebar Parallel Connection (CA-HF).....23
 Wire to Rebar Straight Rebar Connection (CA-E).....23
 Different Exothermic Welding Connection.....24
 Wire to Rail Connection (CI-TH).....25
 Wire to Rail Connection (CI-THD).....25
 Wire End to Rail Connection (CI-THI).....25
 Earth Pad to Round Conductor "T" Connection (MC-E).....25
 Earth Pad to Round Conductor "T" Connection (MC-TH).....26
 Ground Receptacle Wire Connection (RP-E).....26
 Ground Receptacle Wire Connection (RP-TH).....26

•WELDING ONE-SHOT MOULDS

Wire to Earth Rod One Shot Connection (CR-OSL).....27
 Wire to Earth Rod "T" One Shot Connection (CR-OSL).....27

•WELDING HANDLE CLAMP

General Handle Clamp (NHC).....28
 CP Mould Handle Clamp (PHC).....28
 Railway Mould Handle Clamp (TRU).....28
 Sheet Support Handle Clamp (VSC).....29
 Magnetic Handle Clamp (MTR).....29
 Chain Handle Clamp (CTR).....29

•EXOTHERMIC WELDING ACCESSORIES

"PetWeld" Mould Warmer.....30
 Copper Wire Change Sleeve.....30
 Mould Sealer.....31
 "PetWeld" Mould Cleaning Tools.....31
 Remote Welding Gun.....31
 Electrical Welding Fuse.....31

•WELDING PROCESS

Welding Process.....32

WELDING POWDER & ACC.

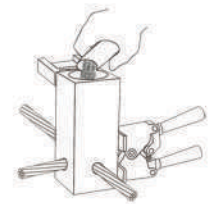
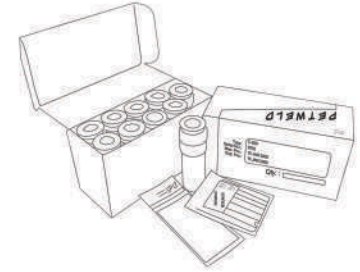
► ECONOMIC “PETWELD” WELDING POWDER

"Petweld" powder, a mixture of copper oxide and aluminum, comes in plastic tubes. Each tube contains a measured quantity of Weld Material powder. The powder supplied is sufficient to make the appropriate joint. Powders are available in two types for both earthing, lightning protection and cathodic protection purposes.

"C" series weld powder are in blue tubes and are used for almost grounding connections.

"SC" series or CP weld metals are in yellow tubes and used for cathodic protection connections.

Reference Code	Application	Plastic Tube Color	Dimension Box (mm)			Cartridge Powder Qty.	Mould Weight (Kg/Box)
			L	W	H		
C-32	Used for General Purpose of welding	Blue	200	80	90	20	0.9
C-45			200	80	90	20	1.1
C-65			200	80	90	20	1.6
C-90			200	80	135	20	2.1
C-115			200	80	90	10	2.5
C-150			200	80	90	10	3.3
C-200			200	80	135	10	4.3
C-250			200	80	135	10	5.3
SC-15	Used for Cathodic Protection Purpose of welding	Yellow	200	80	90	20	0.9
SC-25			200	80	90	20	1
SC-32			200	80	90	20	1.6
SC-45			200	80	135	20	2.1
SC-65			200	80	90	10	2.5
SC-90			200	80	90	10	3.3
SC-115			200	80	135	10	4.3
SC-150			200	80	135	10	5.3

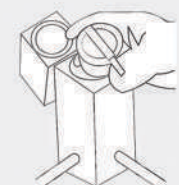


In all packages of welding powder, wicks and discs are in the right number.

► EASY USE “PETWELD” WELDING POWDER

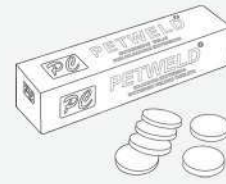
New Easy Welding System is designed and built to facilitate the user. The powder and cans are all placed inside the "powder place" in the Mould, and the combustion process begins with the help of a wick installed on the can. This method does minor damage to the environment and is Eco-friendly and the work is much easier.

Reference Code	Application	Plastic Tube Color	Dimension Box (mm)			Cartridge Powder	Mould Weight (Kg/Box)
			L	W	H		
Cn-32	Used for General Purpose of welding	Blue	220	85	45	30	0.9
Cn-45			220	85	50	30	1.1
Cn-65			220	85	55	20	1.6
Cn-90			220	85	70	20	2.1
Cn-115			220	85	65	10	2.5
Cn-150			220	85	70	10	3.3
Cn-200			220	85	75	10	4.3
Cn-250			220	85	80	10	5.3
SCn-15	Used for Cathodic Protection Purpose of welding	Yellow	220	85	40	30	0.9
SCn-25			220	85	45	30	1
SCn-32			220	85	45	30	1.6
SCn-45			220	85	50	30	2.1
SCn-65			220	85	55	20	2.5
SCn-90			220	85	70	20	3.3
SCn-115			220	85	65	10	4.3
SCn-150			220	85	70	10	5.3



► PETWELD™ EXOTHERMIC WELDING COMPOUND TABLETS™

"PetTab" tablets are an excellent alternative to traditional welding powders. "PetTab" tablets are used for easier use and various pimples. It eliminates the need for numerous exothermic welding size powders, has a long shelf life, is nonflammable, Can be used in windy conditions (zero powder spillage), and is the highest possible ignition rate less material failure, and Reduces wastage from cartons, cups etc.



Reference Code	Application	Tablet Dimension (mm)	Dimension Box (mm)			Cartridge Powder	Mould Weight (Kg/Box)
			L	W	H		
CTAB-43	Exothermic Welding	43	220	52	52	20	0.9
CTAB-55	Compound Tablets	55	220	52	52	20	2

In all packages of welding powder, wicks and discs are in the right number.

WELDING MOULDS

► "PetWeld" WELDING MOULDS

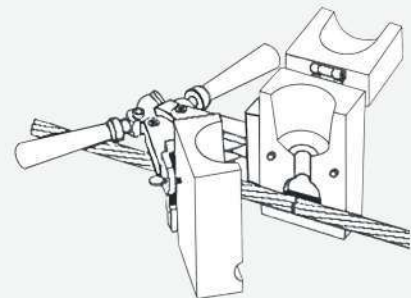
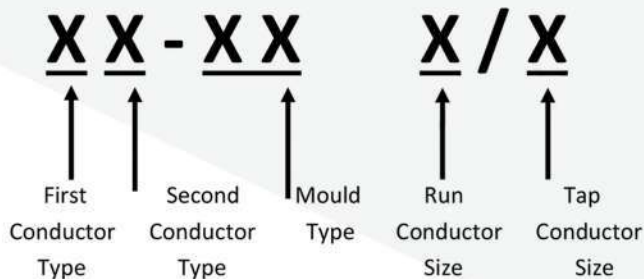
The PETUNIA moulds are made of heat-resistant semipermanent graphite and used to make the "PetWeld" connection.

They comprise a crucible, tap hole, and weld cavity. The high-temperature thermic reaction takes place in the crucible of the moulds allowing molten copper to flow through the tap hole into the weld cavity, producing a solid joint.

They can be used for over 70 connections under normal usage. Graphite cover protects from the reaction projections.

As shown in the figure, the template code provides various information, including the type of connection and type and size(s) of the conductors.

"PetWeld" WELDING MOULDS CODING SYSTEM



Reference Code	First Conductor Type	Second Conductor Type	Mould Type	Run Conductor Size	Tap Conductor Size
CC-TH 120/95	Cable	Cable	TH (Horizontal 'T' Connection)	120 mm ²	95 mm ²
CR-T 20/70	Earth Rod	Cable	T ('T' Connection)	20 mm	70 mm ²
CC-TH 120/95	Tape Bar	Tape Bar	LV ('LV' Connection)	20×2 mm	20×2 mm
CC-TH 120/95	Rebar	Cable	TP ('TP' Connection)	10 mm	95 mm ²



WELDING MOULDS CONNECTION TYPE

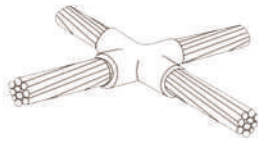
► EXOTHERMIC WELDING WIRE TO WIRE CONNECTION

Petunia offers a wide range of wire-to-wire exothermic welding connections. Mould, cartridge, and handle selection tables for some of the connections shown below are provided on the following pages.

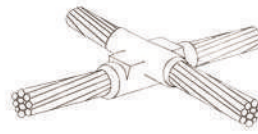
For other types of wire to wire welding, inform our company experts.



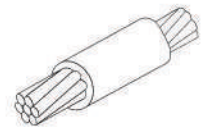
CC-TH
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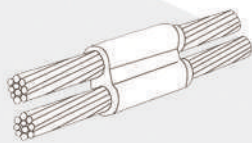
CC-X
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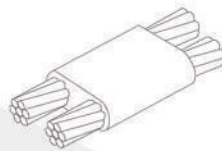
CC-XS
Page: 7



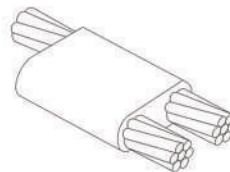
CC-E
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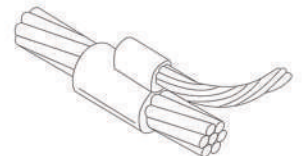
CC-HF
Page: 8



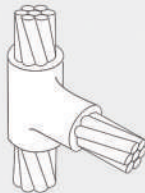
CC-HA
Page: 9



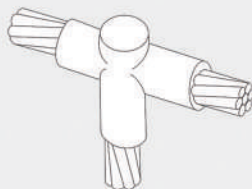
CC-YA



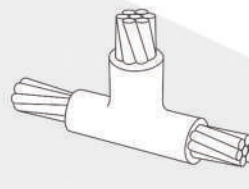
CC-KF



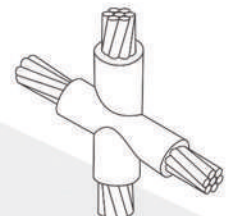
CC-TL



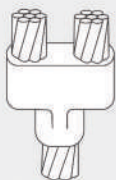
CC-TVD



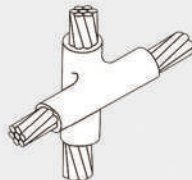
CC-TVT



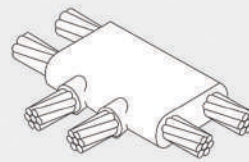
CC-XV



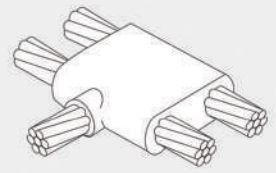
CC-YT



CC-XVS



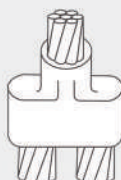
CC-TDC



CC-TDB



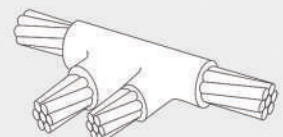
CC-V



CC-YB



CC-YA



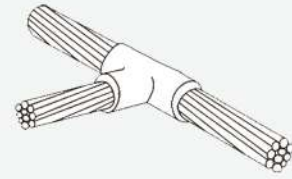
CC-TDA

► WIRE TO WIRE T" CONNECTION (CC-TH)

CC-TH type Moulds are used to join horizontal main wire to a horizontal tap wire connections.

Feature:

- Tee of horizontal main and tap wires.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm ²)				
CC-TH 16/16	16	16	45	NHC-50	1	0.8
CC-TH 25/16	25	16	45	NHC-50	1	0.8
CC-TH 25/25	25	25	45	NHC-50	1	0.8
CC-TH 35/16	35	16	45	NHC-50	1	0.8
CC-TH 35/25	35	25	45	NHC-50	1	0.8
CC-TH 35/35	35	35	45	NHC-50	1	0.8
CC-TH 50/16	50	16	65	NHC-50	1	0.8
CC-TH 50/25	50	25	65	NHC-50	1	0.8
CC-TH 50/35	50	35	65	NHC-50	1	0.9
CC-TH 50/50	50	50	90	NHC-50	1	1.3
CC-TH 70/16	70	16	65	NHC-50	1	0.8
CC-TH 70/25	70	25	65	NHC-50	1	0.9
CC-TH 70/35	70	35	65	NHC-50	1	0.9
CC-TH 70/50	70	50	90	NHC-50	1	1.3
CC-TH 70/70	70	70	90	NHC-50	1	1.3
CC-TH 95/16	95	16	90	NHC-50	1	1.4
CC-TH 95/25	95	25	90	NHC-50	1	1.4
CC-TH 95/35	95	35	90	NHC-50	1	1.4
CC-TH 95/50	95	50	90	NHC-50	1	1.4
CC-TH 95/70	95	70	90	NHC-50	1	1.8
CC-TH 95/95	95	95	115	NHC-50	1	1.8
CC-TH 120/35	120	35	90	NHC-50	1	1.4
CC-TH 120/50	120	50	90	NHC-50	1	1.4
CC-TH 120/70	120	70	90	NHC-50	1	2
CC-TH 120/95	120	95	115	NHC-50	1	2.2
CC-TH 120/120	120	120	150	NHC-80	1	2.2
CC-TH 150/35	150	35	115	NHC-80	1	1.4
CC-TH 150/50	150	50	115	NHC-80	1	1.4
CC-TH 150/70	150	70	115	NHC-80	1	2
CC-TH 150/95	150	95	150	NHC-80	1	2.2
CC-TH 150/120	150	120	150	NHC-80	1	2.2
CC-TH 150/150	150	150	200	NHC-80	1	2.2
CC-TH 185/35	185	35	115	NHC-80	1	1.4
CC-TH 185/50	185	50	115	NHC-80	1	1.4
CC-TH 185/70	185	70	150	NHC-80	1	2
CC-TH 185/95	185	95	150	NHC-80	1	2.2
CC-TH 185/120	185	120	200	NHC-80	1	2.3
CC-TH 185/150	185	150	200	NHC-80	1	2.3
CC-TH 185/185	185	185	200	NHC-80	1	2.3
CC-TH 240/35	240	35	150	NHC-80	1	2
CC-TH 240/50	240	50	150	NHC-80	1	2
CC-TH 240/70	240	70	150	NHC-80	1	2.2
CC-TH 240/95	240	95	150	NHC-80	1	2.2
CC-TH 240/120	240	120	200	NHC-80	1	2.5
CC-TH 240/150	240	150	200	NHC-80	1	2.5
CC-TH 240/185	240	185	200	NHC-80	1	2.7
CC-TH 240/240	240	240	2×150	NHC-80	1	3
CC-TH 300/50	300	50	200	NHC-80	1	2.2
CC-TH 300/70	300	70	200	NHC-80	1	2.2
CC-TH 300/95	300	95	200	NHC-80	1	2.5
CC-TH 300/120	300	120	250	NHC-80	1	2.5
CC-TH 300/150	300	150	250	NHC-80	1	2.5
CC-TH 300/185	300	185	2×150	NHC-80	1	2.7
CC-TH 300/240	300	240	2×200	NHC-100	1	4.2
CC-TH 300/300	300	300	2×200	NHC-100	1	4.4

REQUIRED TOOLS

Handle Clamps Type NHC
 Conductor Cleaning Brush
 Slag Removal Spade
 Mould Cleaning Brush
 Gloves
 Lighter

SUGGESTED TOOLS

Cable Clamp
 Torch Head
 Cleaning Tools CTKA
 Mould Sealer

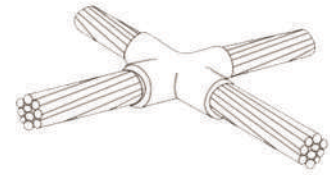


► WIRE TO WIRE CROSS CONNECTION (CC-X)

CC-X type Moulds are used to join horizontal main wire to a horizontal tap wire connections.

Feature:

- Cross of horizontal main and tap wires.
- Concentric stranded copper wire unless other wise noted
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm ²)				
CC-X 16/16	16	16	45	NHC-50	1	0.8
CC-X 25/16	25	16	45	NHC-50	1	0.8
CC-X 25/25	25	25	45	NHC-50	1	0.8
CC-X 35/16	35	16	65	NHC-50	1	0.9
CC-X 35/25	35	25	65	NHC-50	1	0.9
CC-X 35/35	35	35	65	NHC-50	1	0.9
CC-X 50/16	50	16	90	NHC-50	1	1.3
CC-X 50/25	50	25	90	NHC-50	1	1.3
CC-X 50/35	50	35	90	NHC-50	1	1.3
CC-X 50/50	50	50	90	NHC-50	1	1.3
CC-X 70/35	70	35	115	NHC-50	1	1.8
CC-X 70/50	70	50	115	NHC-50	1	1.8
CC-X 70/70	70	70	115	NHC-50	1	1.8
CC-X 95/35	95	35	115	NHC-80	1	1.8
CC-X 95/50	95	50	115	NHC-80	1	1.8
CC-X 95/70	95	70	150	NHC-80	1	2
CC-X 95/95	95	95	150	NHC-80	1	2
CC-X 120/35	120	35	115	NHC-80	1	2
CC-X 120/50	120	50	150	NHC-80	1	2.2
CC-X 120/70	120	70	150	NHC-80	1	2.2
CC-X 120/95	120	95	200	NHC-80	1	2.3
CC-X 120/120	120	120	200	NHC-80	1	2.3
CC-X 150/35	150	35	150	NHC-80	1	2
CC-X 150/50	150	50	150	NHC-80	1	2.2
CC-X 150/70	150	70	150	NHC-80	1	2.2
CC-X 150/95	150	95	200	NHC-80	1	2.3
CC-X 150/120	150	120	250	NHC-80	1	2.7
CC-X 150/150	150	150	250	NHC-80	1	2.7
CC-X 185/50	185	50	200	NHC-80	1	2.3
CC-X 185/70	185	70	200	NHC-80	1	2.3
CC-X 185/95	185	95	200	NHC-80	1	2.3
CC-X 185/120	185	120	250	NHC-80	1	2.7
CC-X 185/150	185	150	250	NHC-80	1	2.7
CC-X 185/185	185	185	250	NHC-80	1	3
CC-X 240/70	240	70	250	NHC-80	1	2.7
CC-X 240/95	240	95	2×150	NHC-80	1	3
CC-X 240/120	240	120	2×150	NHC-80	1	3
CC-X 240/150	240	150	2×200	NHC-80	1	3.3
CC-X 240/185	240	185	2×200	NHC-80	1	4.4
CC-X 240/240	240	240	2×150	NHC-80	1	5.2
CC-X 300/70	300	70	2×150	NHC-100	1	3
CC-X 300/95	300	95	2×150	NHC-100	1	3.3
CC-X 300/120	300	120	2×200	NHC-100	1	3.3
CC-X 300/150	300	150	2×200	NHC-100	1	4
CC-X 300/185	300	185	2×200	NHC-100	1	5.2
CC-X 300/240	300	240	2×250	NHC-100	1	5.7
CC-X 300/300	300	300	2×250	NHC-100	1	5.7

REQUIRED TOOLS

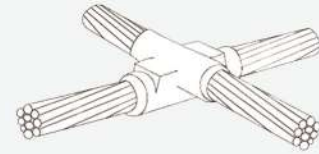
- Handle Clamps Type NHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Golves
- Lighter

SUGGESTED TOOLS

- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

► WIRE TO WIRE CROSS CONNECTION (CC-XS)

CC-XS type Moulds are used to join uncut horizontal main wire to a horizontal tap wire connections.



FEATURE:

- Cross of horizontal main and tap wires.
- Concentric stranded copper wire unless other wise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm ²)				
CC-XS 16/16	16	16	115	NHC-80	1	1.3
CC-XS 25/25	25	25	115	NHC-80	1	1.5
CC-XS 35/35	35	35	115	NHC-80	1	1.8
CC-XS 50/50	50	50	150	NHC-80	1	2.3
CC-XS 70/50	70	50	150	NHC-80	1	2.3
CC-XS 70/70	70	70	150	NHC-80	1	2.3
CC-XS 95/70	95	70	200	NHC-80	1	2.7
CC-XS 95/95	95	95	200	NHC-80	1	2.8
CC-XS 120/70	120	70	250	NHC-80	1	3
CC-XS 120/95	120	95	2x150	NHC-80	1	3
CC-XS 120/120	120	120	250	NHC-80	1	3.2
CC-XS 150/95	150	95	2x150	NHC-80	1	3.3
CC-XS 150/120	150	120	2x150	NHC-80	1	3.3
CC-XS 150/150	150	150	2x150	NHC-80	1	3.7
CC-XS 185/120	185	120	250	NHC-80	1	3.3
CC-XS 185/150	185	150	2x150	NHC-80	1	3.7
CC-XS 185/185	185	185	2x150	NHC-80	1	3.7
CC-XS 240/120	240	120	2x150	NHC-80	1	3.8
CC-XS 240/150	240	150	2x200	NHC-80	1	3.8
CC-XS 240/185	240	185	2x200	NHC-80	1	5.7
CC-XS 240/240	240	240	2x200	NHC-80	1	5.7
CC-XS 300/150	300	150	2x250	NHC-100	1	6
CC-XS 300/185	300	185	2x250	NHC-100	1	6
CC-XS 300/240	300	240	3x200	NHC-100	1	6.2
CC-XS 300/300	300	300	3x200	NHC-100	1	6.2

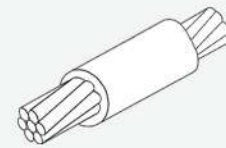
For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE TO WIRE DIRECT CONNECTION (CC-E)

CC-E type Moulds are used to join end of two wires.



FEATURE:

- End to end connection.
- Concentric stranded copper wire unless other wise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm ²)				
CC-E 16/16	16	16	32	NHC-50	1	0.7
CC-E 25/25	25	25	32	NHC-50	1	0.7
CC-E 35/35	35	35	45	NHC-50	1	0.7
CC-E 50/50	50	50	45	NHC-50	1	0.8
CC-E 70/70	70	70	65	NHC-50	1	0.9
CC-E 95/95	95	95	90	NHC-50	1	1.3
CC-E 120/120	120	120	115	NHC-80	1	1.8
CC-E 150/150	150	150	115	NHC-80	1	1.8
CC-E 185/185	185	185	150	NHC-80	1	2
CC-E 240/240	240	240	200	NHC-80	1	2.2
CC-E 300/300	300	300	250	NHC-80	1	2.5

For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

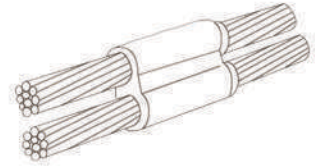
- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE TO WIRE PARALLEL CONNECTION (CC-HF)

CC-HF type Moulds are used to join horizontal parallel through main wires.

FEATURE:

- Parallel of horizontal main wires.
- Concentric stranded copper wire unless other wise noted
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm ²)				
CC-HF 16/16	16	16	65	NHC-50	1	1
CC-HF 25/16	25	16	65	NHC-50	1	1
CC-HF 25/25	25	25	65	NHC-50	1	1
CC-HF 35/16	35	16	65	NHC-50	1	1
CC-HF 35/25	35	25	65	NHC-50	1	1
CC-HF 35/35	35	35	65	NHC-50	1	1
CC-HF 50/25	50	25	65	NHC-50	1	1
CC-HF 50/35	50	35	90	NHC-50	1	1
CC-HF 50/50	50	50	115	NHC-50	1	1
CC-HF 70/35	70	35	90	NHC-80	1	1
CC-HF 70/50	70	50	115	NHC-80	1	2
CC-HF 70/70	70	70	115	NHC-80	1	2
CC-HF 95/70	95	70	150	NHC-80	1	2
CC-HF 95/95	95	95	150	NHC-80	1	2
CC-HF 120/35	120	35	150	NHC-80	1	2
CC-HF 120/50	120	50	150	NHC-80	1	2
CC-HF 120/70	120	70	150	NHC-80	1	2
CC-HF 120/95	120	95	200	NHC-80	1	3
CC-HF 120/120	120	120	250	NHC-80	1	3
CC-HF 150/35	150	35	150	NHC-80	1	2
CC-HF 150/50	150	50	150	NHC-80	1	2
CC-HF 150/70	150	70	150	NHC-80	1	2
CC-HF 150/95	150	95	200	NHC-80	1	3
CC-HF 150/120	150	120	250	NHC-80	1	3
CC-HF 150/150	150	150	2×150	NHC-80	1	3
CC-HF 185/50	185	50	150	NHC-80	1	2
CC-HF 185/70	185	70	150	NHC-80	1	3
CC-HF 185/95	185	95	200	NHC-80	1	3
CC-HF 185/120	185	120	250	NHC-80	1	3
CC-HF 185/150	185	150	2×150	NHC-80	1	3
CC-HF 185/185	185	185	250	NHC-80	1	3
CC-HF 240/50	240	50	200	NHC-80	1	3
CC-HF 240/70	240	70	200	NHC-80	1	3
CC-HF 240/95	240	95	250	NHC-80	1	3
CC-HF 240/120	240	120	250	NHC-80	1	3
CC-HF 240/150	240	150	2×150	NHC-80	1	3
CC-HF 240/185	240	185	2×150	NHC-80	1	3
CC-HF 240/240	240	240	2×150	NHC-80	1	4
CC-HF 300/50	300	50	250	NHC-80	1	3
CC-HF 300/70	300	70	250	NHC-80	1	3
CC-HF 300/95	300	95	250	NHC-80	1	3
CC-HF 300/120	300	120	2×150	NHC-100	1	3
CC-HF 300/150	300	150	2×150	NHC-100	1	4
CC-HF 300/185	300	185	2×200	NHC-100	1	5
CC-HF 300/240	300	240	2×250	NHC-100	1	5
CC-HF 300/300	300	300	2×250	NHC-100	1	5

For sizes not listed, contact PETUNIA Co.

REQUIRED TOOLS

- Handle Clamps Type NHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Gloves
- Lighter

SUGGESTED TOOLS

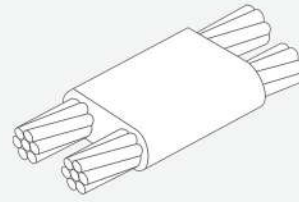
- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

► WIRE TO WIRE PARALLEL CONNECTION (CC-HA)

CC-HA type Moulds are used to make a lay-down of the connection between two horizontal parallel wires.

FEATURE:

- Parallel of horizontal main wires.
- Concentric stranded copper wire unless other wise noted
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm ²)				
CC-HA 16/16	16	16	65	NHC-50	1	1
CC-HA 25/16	25	16	65	NHC-50	1	1
CC-HA 25/25	25	25	65	NHC-50	1	1
CC-HA 35/16	35	16	65	NHC-50	1	1
CC-HA 35/25	35	25	65	NHC-50	1	1
CC-HA 35/35	35	35	65	NHC-50	1	1
CC-HA 50/16	50	16	65	NHC-50	1	1
CC-HA 50/25	50	25	65	NHC-50	1	1
CC-HA 50/35	50	35	90	NHC-50	1	1
CC-HA 50/50	50	50	115	NHC-50	1	1
CC-HA 70/35	70	35	90	NHC-50	1	1
CC-HA 70/50	70	50	115	NHC-50	1	1
CC-HA 70/70	70	70	115	NHC-50	1	1
CC-HA 95/35	95	35	115	NHC-80	1	2
CC-HA 95/50	95	50	115	NHC-80	1	2
CC-HA 95/70	95	70	150	NHC-80	1	2
CC-HA 95/95	95	95	150	NHC-80	1	2
CC-HA 120/35	120	35	150	NHC-80	1	2
CC-HA 120/50	120	50	150	NHC-80	1	2
CC-HA 120/70	120	70	150	NHC-80	1	2
CC-HA 120/95	120	95	200	NHC-80	1	2
CC-HA 120/120	120	120	200	NHC-80	1	2
CC-HA 150/35	150	35	150	NHC-80	1	2
CC-HA 150/50	150	50	150	NHC-80	1	2
CC-HA 150/70	150	70	150	NHC-80	1	2
CC-HA 150/95	150	95	200	NHC-80	1	2
CC-HA 150/120	150	120	250	NHC-80	1	3
CC-HA 150/150	150	150	2×150	NHC-80	1	3
CC-HA 185/50	185	50	150	NHC-80	1	2
CC-HA 185/70	185	70	200	NHC-80	1	2
CC-HA 185/95	185	95	200	NHC-80	1	2
CC-HA 185/120	185	120	250	NHC-80	1	3
CC-HA 185/150	185	150	2×150	NHC-80	1	3
CC-HA 185/185	185	185	2×150	NHC-80	1	3
CC-HA 240/70	240	70	200	NHC-80	1	3
CC-HA 240/95	240	95	250	NHC-80	1	3
CC-HA 240/120	240	120	250	NHC-80	1	3
CC-HA 240/150	240	150	2×150	NHC-80	1	3
CC-HA 240/185	240	185	2×150	NHC-100	1	4
CC-HA 240/240	240	240	2×200	NHC-100	1	4
CC-HA 300/70	300	70	250	NHC-80	1	3
CC-HA 300/95	300	95	250	NHC-80	1	3
CC-HA 300/120	300	120	2×150	NHC-80	1	3
CC-HA 300/150	300	150	2×150	NHC-80	1	3
CC-HA 300/185	300	185	2×200	NHC-100	1	4
CC-HA 300/240	300	240	2×250	NHC-100	1	5
CC-HA 300/300	300	300	2×250	NHC-100	1	5

REQUIRED TOOLS

Handle Clamps Type NHC
 Conductor Cleaning Brush
 Slag Removal Spade
 Mould Cleaning Brush
 Gloves
 Lighter

SUGGESTED TOOLS

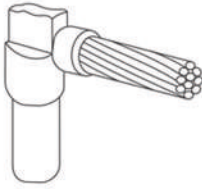
Cable Clamp
 Torch Head
 Cleaning Tools CTKA
 Mould Sealer

For sizes not listed, contact PETUNIA Co.

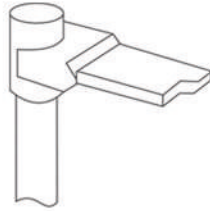


► **EXOTHERMIC WELDING WIRE TO GROUND ROD CONNECTION**

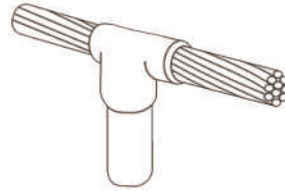
There are many types of wire-to-earth rod exothermic welding connections which Petunia offers. The complete details of connections are included (size, cartridge, handle clamps and etc.) and they will be proposed in table of next pages. For other types of wire to earth rod welding, inform our company experts.



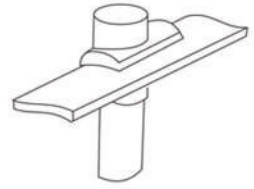
CR-AR
Page: 11



BR-AH
Page: 11



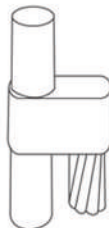
CR-T
Page: 12



BR-TH
Page: 12



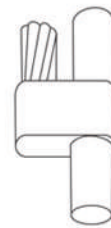
CR-TC



CR-KV



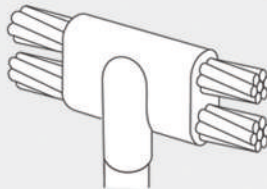
CR-HV



CR-KS



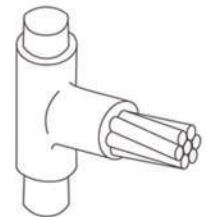
CR-V



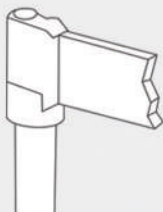
CR-TD



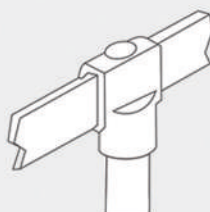
RR-V



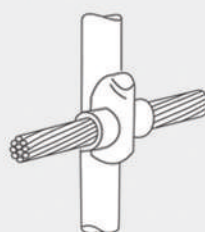
CR-TL



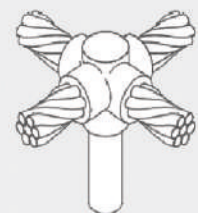
BR-AF



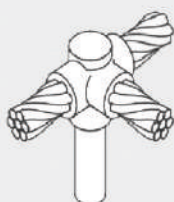
BR-TF



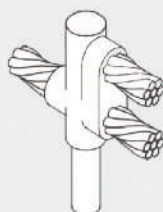
CR-TS



CR-X



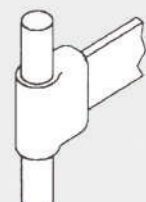
CR-ES



CR-HS



CR-C



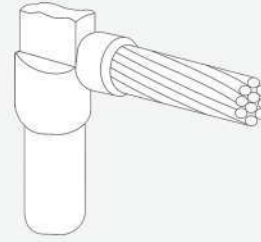
BR-TS

► WIRE TO EARTH ROD CONNECTION (CR-AR)

CC-AR Moulds are used to join wire terminal to earth rod.

FEATURE:

- End of wire to top of earth rod connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.
- Mold listed are for copper clad ground rod. For welding to other type of ground rods, it should be cleared.



Reference Code	Rod Size (mm)	Conductor Size Cartridge		Handle Clamp Type	Box. Qty	Unit Weight (kg)
		(mm ²)	Size (gr)			
CR-AR 14.2/35	14.2	35	65	NHC-50	1	1
CR-AR 14.2/50	14.2	50	115	NHC-50	1	1.4
CR-AR 14.2/70	14.2	70	115	NHC-80	1	1.4
CR-AR 14.2/95	14.2	95	115	NHC-80	1	1.4
CR-AR 14.2/120	14.2	120	115	NHC-80	1	1.4
CR-AR 14.2/150	14.2	150	150	NHC-80	1	1.7
CR-AR 14.2/185	14.2	185	150	NHC-80	1	2.2
CR-AR 14.2/240	14.2	240	150	NHC-80	1	2.2
CR-AR 14.2/300	14.2	300	200	NHC-80	1	2.3
CR-AR 16/35	16	35	65	NHC-50	1	1
CR-AR 16/50	16	50	90	NHC-50	1	1.5
CR-AR 16/70	16	70	115	NHC-80	1	1.5
CR-AR 16/95	16	95	115	NHC-80	1	1.5
CR-AR 16/120	16	120	115	NHC-80	1	1.5
CR-AR 16/150	16	150	150	NHC-80	1	2
CR-AR 16/185	16	185	150	NHC-80	1	2.2
CR-AR 16/240	16	240	150	NHC-80	1	2.2
CR-AR 16/300	16	300	200	NHC-80	1	2.3
CR-AR 17.2/35	17.2	35	90	NHC-50	1	1
CR-AR 17.2/50	17.2	50	90	NHC-50	1	1.5
CR-AR 17.2/70	17.2	70	150	NHC-80	1	1.5
CR-AR 17.2/95	17.2	95	150	NHC-80	1	1.5
CR-AR 17.2/120	17.2	120	150	NHC-80	1	1.5
CR-AR 17.2/150	17.2	150	150	NHC-80	1	2
CR-AR 17.2/185	17.2	185	150	NHC-80	1	2.2
CR-AR 17.2/240	17.2	240	150	NHC-80	1	2.2
CR-AR 17.2/300	17.2	300	200	NHC-80	1	2.3
CR-AR 20/35	20	35	90	NHC-50	1	1.1
CR-AR 20/50	20	50	90	NHC-50	1	1.5
CR-AR 20/70	20	70	150	NHC-80	1	1.5
CR-AR 20/95	20	95	150	NHC-80	1	1.5
CR-AR 20/120	20	120	150	NHC-80	1	1.5
CR-AR 20/150	20	150	150	NHC-80	1	2.2
CR-AR 20/185	20	185	150	NHC-80	1	2.3
CR-AR 20/240	20	240	150	NHC-80	1	2.3
CR-AR 20/300	20	300	200	NHC-80	1	2.5

For sizes not listed, contact PETUNIA Co.

► TAPE TO ROD CONNECTION (BR-AH)

BR-AH Moulds are used to join tape to earth rod.

FEATURE:

- Horizontal tape to the top of earth rod connection.
- Solid tapes may be copper or copper-clad.

Reference Code	Rod Size (mm)	Conductor Size Cartridge		Handle Clamp Type	Box. Qty	Unit Weight (kg)
		(mm)	Size (gr)			
BR-AH 14.2/20×3	14.2	20×3	90	NHC-50	1	1.4
BR-AH 14.2/25×3	14.2	25×3	90	NHC-50	1	1.4
BR-AH 14.2/30×3	14.2	30×3	115	NHC-80	1	1.8
BR-AH 14.2/30×5	14.2	30×5	150	NHC-80	1	2
BR-AH 14.2/50×5	14.2	50×5	200	NHC-80	1	2.2
BR-AH 17.2/20×3	17.2	20×3	115	NHC-80	1	1.8
BR-AH 17.2/25×3	17.2	25×3	150	NHC-80	1	2
BR-AH 17.2/30×3	17.2	30×3	150	NHC-80	1	2
BR-AH 17.2/30×5	17.2	30×5	200	NHC-80	1	2.2
BR-AH 17.2/50×5	17.2	50×5	2×150	NHC-80	1	2.7

For sizes not listed, contact PETUNIA Co.



REQUIRED TOOLS

Handle Clamps Type NHC
 Conductor Cleaning Brush
 Slag Removal Spade
 Mould Cleaning Brush
 Gloves
 Lighter

SUGGESTED TOOLS

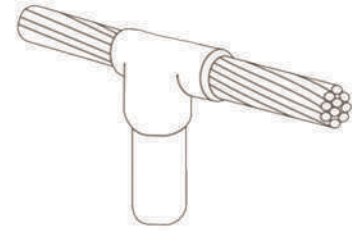
Cable Clamp
 Torch Head
 Cleaning Tools CTKA
 Mould Sealer

► WIRE TO EARTH ROD CONNECTION (CR-T)

CR-T Moulds are used to join run wire to earth rod.

FEATURE:

- wire to top of earth rod connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.
- Moulds listed are for copper clad ground rod. For welding to other type of ground rods, it should be cleared.



Reference Code	Rod Size (mm)	Conductor Size Cartridge		Handle Clamp Type	Box. Qty	Unit Weight (kg)
		(mm ²)	Size (gr)			
CR-T 14.2/35	14.2	35	115	NHC-80	1	1.4
CR-T 14.2/50	14.2	50	115	NHC-80	1	1.7
CR-T 14.2/70	14.2	70	115	NHC-80	1	1.8
CR-T 14.2/95	14.2	95	115	NHC-80	1	1.8
CR-T 14.2/120	14.2	120	150	NHC-80	1	2
CR-T 14.2/150	14.2	150	200	NHC-80	1	2.3
CR-T 14.2/185	14.2	185	200	NHC-80	1	2.3
CR-T 14.2/240	14.2	240	200	NHC-80	1	2.5
CR-T 14.2/300	14.2	300	2×150	NHC-80	1	2.7
CR-T 16/35	16	35	115	NHC-80	1	1.4
CR-T 16/50	16	50	115	NHC-80	1	1.8
CR-T 16/70	16	70	115	NHC-80	1	2
CR-T 16/95	16	95	115	NHC-80	1	2
CR-T 16/120	16	120	150	NHC-80	1	2.2
CR-T 16/150	16	150	200	NHC-80	1	2.3
CR-T 16/185	16	185	200	NHC-80	1	2.3
CR-T 16/240	16	240	250	NHC-80	1	2.5
CR-T 16/300	16	300	2×150	NHC-80	1	2.8
CR-T 17.2/35	17.2	35	115	NHC-80	1	1.4
CR-T 17.2/50	17.2	50	115	NHC-80	1	1.8
CR-T 17.2/70	17.2	70	115	NHC-80	1	2
CR-T 17.2/95	17.2	95	115	NHC-80	1	2
CR-T 17.2/120	17.2	120	150	NHC-80	1	2.2
CR-T 17.2/150	17.2	150	200	NHC-80	1	2.3
CR-T 17.2/185	17.2	185	200	NHC-80	1	2.3
CR-T 17.2/240	17.2	240	250	NHC-80	1	2.7
CR-T 17.2/300	17.2	300	2×150	NHC-80	1	2.8
CR-T 20/35	20	35	90	NHC-80	1	1.5
CR-T 20/50	20	50	115	NHC-80	1	1.8
CR-T 20/70	20	70	115	NHC-80	1	2
CR-T 20/95	20	95	115	NHC-80	1	2
CR-T 20/120	20	120	150	NHC-80	1	2.2
CR-T 20/150	20	150	200	NHC-80	1	2.3
CR-T 20/185	20	185	200	NHC-80	1	2.3
CR-T 20/240	20	240	250	NHC-80	1	2.7
CR-T 20/300	20	300	2×150	NHC-80	1	2.8

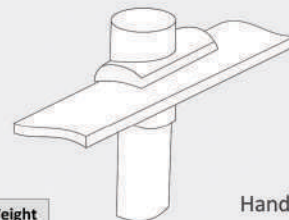
For sizes not listed, contact PETUNIA Co.

► TAPE TO ROD “T” CONNECTION (BR-TH)

BR-TH Moulds are used to join tape to earth rod.

FEATURE:

- Horizontal run tape to the top of earth rod connection.
- Solid conductor may be copper or copper-clad.



Reference Code	Rod Size (mm)	Conductor Size Cartridge		Handle Clamp Type	Box. Qty	Unit Weight (kg)
		(mm)	Size (gr)			
BR-TH 14.2/20×3	14.2	20×3	90	NHC-50	1	1.3
BR-TH 14.2/25×3	14.2	25×3	90	NHC-50	1	1.3
BR-TH 14.2/30×3	14.2	30×3	90	NHC-50	1	1.3
BR-TH 14.2/30×5	14.2	30×5	150	NHC-80	1	2
BR-TH 14.2/50×5	14.2	50×5	150	NHC-80	1	2
BR-TH 17.2/20×3	17.2	20×3	115	NHC-80	1	1.8
BR-TH 17.2/25×3	17.2	25×3	115	NHC-80	1	1.8
BR-TH 17.2/30×3	17.2	30×3	115	NHC-80	1	1.8
BR-TH 17.2/30×5	17.2	30×5	150	NHC-80	1	2
BR-TH 17.2/50×5	17.2	50×5	200	NHC-80	1	2.2

For sizes not listed, contact PETUNIA Co.

REQUIRED TOOLS

- Handle Clamps Type NHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Golves
- Lighter

SUGGESTED TOOLS

- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

REQUIRED TOOLS

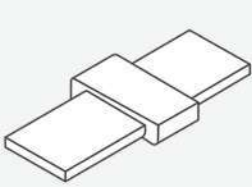
- Handle Clamps Type NHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Golves
- Lighter

SUGGESTED TOOLS

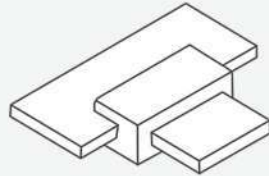
- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

► TAPE TO TAPE DIRECT CONNECTION

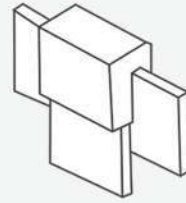
Petunia offers a wide range of exothermic welding connections for tape to tape and tape to plate. The complete details of connections are included (size, cartridge, handle clamps and etc.) and they will be proposed in table of next pages. For other types of tape welding, please consult us.



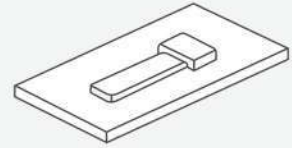
BB-EH
Page: 14



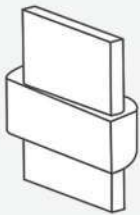
BB-TH
Page: 14



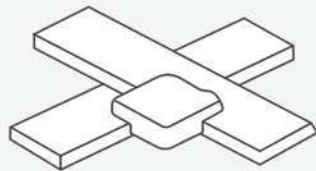
BB-TV
Page: 14



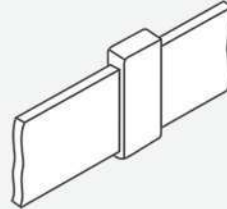
BS-HS
Page: 14



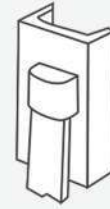
BB-V
Page: 15



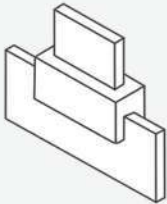
BB-X
Page: 15



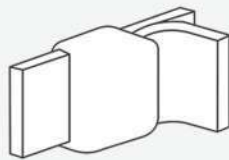
BB-EV
Page: 15



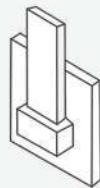
BS-VI
Page: 15



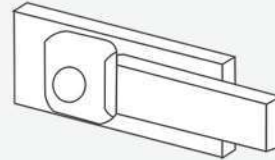
BB-TS



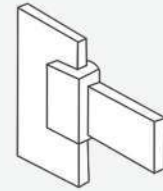
BB-DP



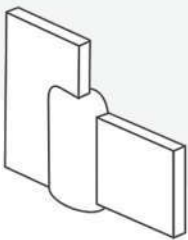
BS-VS



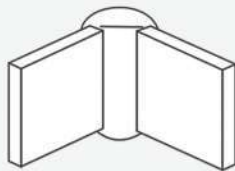
BS-HF



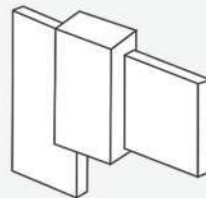
BB-TF



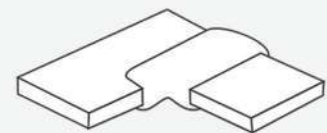
BB-LV



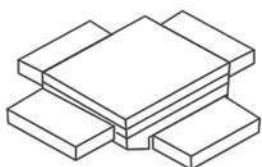
BB-LA



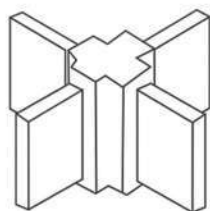
BB-LF



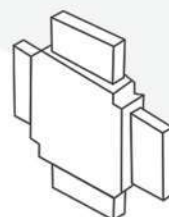
BB-L



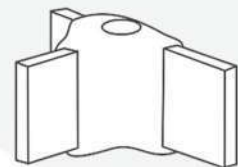
BB-XC



BB-XF



BB-XV



BB-TA

► DIRECT TAPE TO TAPE CONNECTION (BB-EH)

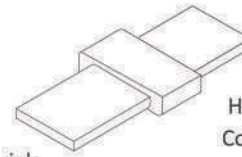
BB-EH Moulds are used to make tape to tape connection.

FEATURE:

- Horizontal tape end to tape end connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm)	Tap (mm)				
BB-EH 20×3	20×3	20×3	65	NHC-80	1	0.8
BB-EH 25×3	25×3	25×3	65	NHC-80	1	0.9
BB-EH 30×3	30×3	30×3	90	NHC-80	1	0.9
BB-EH 30×5	30×5	30×5	115	NHC-80	1	1.5
BB-EH 40×5	40×5	40×5	150	NHC-80	1	2.3
BB-EH 50×5	50×5	50×5	2×150	NHC-80	1	2.5

For sizes not listed, contact PETUNIA Co.



REQUIRED TOOLS

- Handle Clamps Type NHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Golves
- Lighter

SUGGESTED TOOLS

- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

► TAPE TO TAPE "T" CONNECTION (BB-TH)

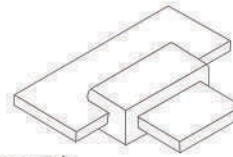
BB-TH Moulds are used to make tape to tape tee connection.

FEATURE:

- Horizontal tape run to tape end "T" connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm)	Tap (mm)				
BB-TH 20×3	20×3	20×3	90	NHC-80	1	0.8
BB-TH 25×3	25×3	25×3	90	NHC-80	1	0.9
BB-TH 30×3	30×3	30×3	115	NHC-80	1	0.9
BB-TH 30×5	30×5	30×5	150	NHC-80	1	1.5
BB-TH 40×5	40×5	40×5	150	NHC-80	1	2.3
BB-TH 50×5	50×5	50×5	200	NHC-80	1	2.5

For sizes not listed, contact PETUNIA Co.



REQUIRED TOOLS

- Handle Clamps Type NHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Golves
- Lighter

SUGGESTED TOOLS

- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

► TAPE TO TAPE "T" CONNECTION (BB-TV)

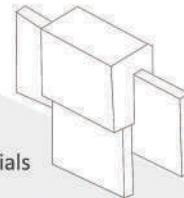
BB-TV Moulds are used to make tape to tape vertical tee connection.

FEATURE:

- Vertical tape run to tape end "T" connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm)	Tap (mm)				
BB-TV 20×3	20×3	20×3	45	NHC-50	1	0.8
BB-TV 25×3	25×3	25×3	65	NHC-50	1	0.9
BB-TV 30×3	30×3	30×3	90	NHC-80	1	1.3
BB-TV 30×5	30×5	30×5	90	NHC-80	1	1.4
BB-TV 40×5	40×5	40×5	150	NHC-80	1	2
BB-TV 50×5	50×5	50×5	200	NHC-80	1	2.2

For sizes not listed, contact PETUNIA Co.



REQUIRED TOOLS

- Handle Clamps Type NHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Golves
- Lighter

SUGGESTED TOOLS

- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

► TAPE TO PLATE CONNECTION (BS-HS)

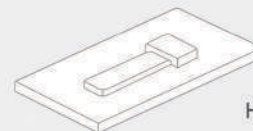
BS-HS Moulds are used to make tape to plate connection.

FEATURE:

- tape terminal to plate connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm)	Tap (mm)				
BS-HS 20×3	20×3	20×3	90	PHC-50	1	1
BS-HS 25×3	25×3	25×3	90	PHC-50	1	1
BS-HS 30×3	30×3	30×3	115	PHC-80	1	1.3
BS-HS 30×5	30×5	30×5	150	PHC-80	1	1.8
BS-HS 40×5	40×5	40×5	150	PHC-80	1	2.2
BS-HS 50×5	50×5	50×5	250	PHC-80	1	2.7

For sizes not listed, contact PETUNIA Co.



REQUIRED TOOLS

- Handle Clamps Type PHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Golves
- Lighter

SUGGESTED TOOLS

- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

► TAPE TO TAPE CONNECTION (BB-V)

BB-V Moulds are used to make tapes end to end connection.

FEATURE:

- Vertical tape end to tape end connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.



Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm)	Tap (mm)				
BB-V 20x3	20x3	20x3	65	NHC-80	1	1
BB-V 25x3	25x3	25x3	65	NHC-80	1	1.5
BB-V 30x3	30x3	30x3	90	NHC-80	1	2.2
BB-V 30x5	30x5	30x5	115	NHC-80	1	2.3
BB-V 40x5	40x5	40x5	150	NHC-80	1	2.8
BB-V 50x5	50x5	50x5	2x150	NHC-80	1	3

For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

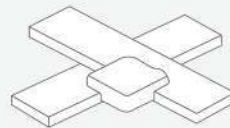
- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► TAPE TO TAPE CROSS CONNECTION (BB-X)

BB-X Moulds are used to make tape to tape cross connection.

FEATURE:

- Tape to tape cross connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.



Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm)	Tap (mm)				
BB-X 20x3	20x3	20x3	65	NHC-50	1	0.9
BB-X 25x3	25x3	25x3	65	NHC-50	1	0.9
BB-X 30x3	30x3	30x3	90	NHC-80	1	1.8
BB-X 30x5	30x5	30x5	115	NHC-80	1	1.8
BB-X 40x5	40x5	40x5	200	NHC-80	1	2.3
BB-X 50x5	50x5	50x5	250	NHC-80	1	2.7

For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

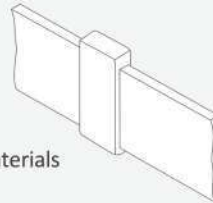
- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► DIRECT TAPE TO TAPE CONNECTION (BB-EV)

BB-EV Moulds are used to make tape to tape end to end connection.

FEATURE:

- Tape end to tape end connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.



Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm)	Tap (mm)				
BB-EV 20x3	20x3	20x3	45	NHC-50	1	0.9
BB-EV 25x3	25x3	25x3	65	NHC-50	1	1
BB-EV 30x3	30x3	30x3	90	NHC-80	1	1.5
BB-EV 30x5	30x5	30x5	115	NHC-80	1	2.2
BB-EV 40x5	40x5	40x5	150	NHC-80	1	2.8
BB-EV 50x5	50x5	50x5	200	NHC-80	1	3

For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

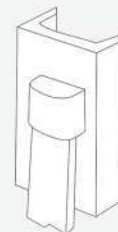
- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► TAPE TO STEEL STRUCTURE CONNECTION (BS-VI)

BS-VI Moulds are used to make tape to steel structure connection.

FEATURE:

- Tape terminal to vertical steel structure connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.



Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm)	Tap (mm)				
BS-VI 20x3	20x3	20x3	90	VSC-50	1	1
BS-VI 25x3	25x3	25x3	90	VSC-50	1	1.2
BS-VI 30x3	30x3	30x3	115	VSC-80	1	1.2
BS-VI 30x5	30x5	30x5	150	VSC-80	1	1.8
BS-VI 40x5	40x5	40x5	150	VSC-80	1	2.6
BS-VI 50x5	50x5	50x5	250	VSC-80	1	2.8

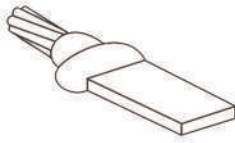
For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type VSC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

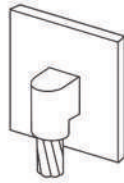
- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► EXOTHERMIC WELDING WIRE TO TAPE & PLATE & PIPE CONNECTION

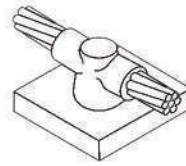
Petunia offers a wide range of exothermic welding connections for the wire to tape and plate. The complete details of connections are included (size , cartridge , handle clamps and etc.) and they will be proposed in table of following pages. For other types welding, inform our company experts.



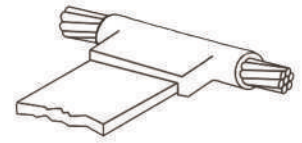
CB-E
Page: 17



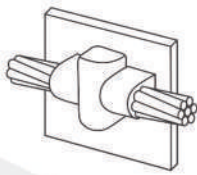
CS-VI
Page: 17



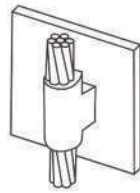
CS-DH
Page: 17



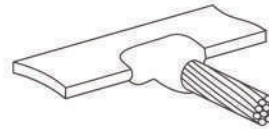
CB-T
Page: 18



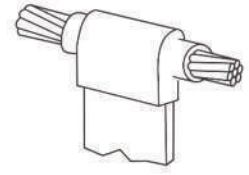
CS-PVH
Page: 18



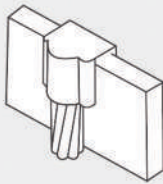
CS-PVV
Page: 18



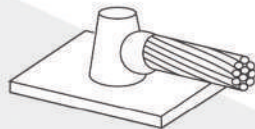
CBS-H
Page: 19



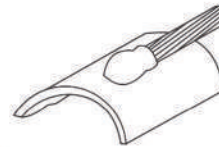
CB-TVA
Page: 19



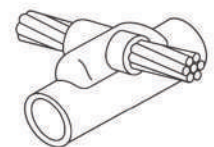
CBS-VI
Page: 19



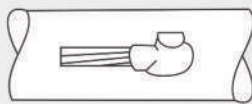
CS-TH
Page: 19



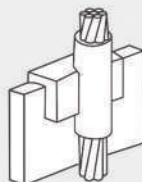
CP-TH
Page: 20



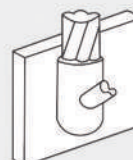
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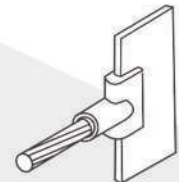
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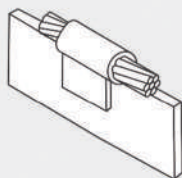
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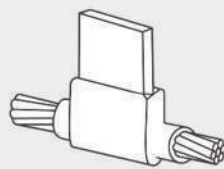
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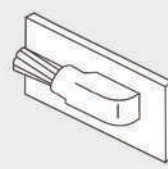
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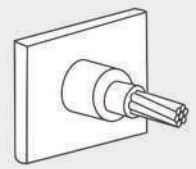
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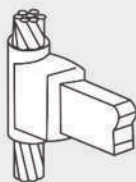
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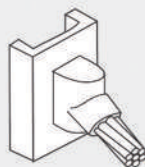
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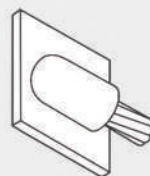
CS-TD



CB-TVF



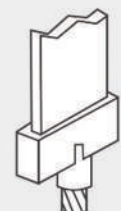
CS-TC



CS-TVD



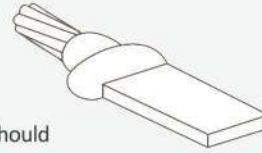
CBS-VC



CB-V

▶ TAPE TO WIRE STRAIGHT CONNECTION (CB-E)

CB-E Moulds are used to make wire to tape end connection.



FEATURE:

- Tape to wire terminal connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm)				
CB-E 35/20x3	35	20x3	45	NHC-50	1	1
CB-E 35/25x3	35	25x3	65	NHC-50	1	1
CB-E 50/20x3	50	20x3	45	NHC-50	1	1
CB-E 50/25x3	50	25x3	65	NHC-50	1	1.1
CB-E 70/25x3	70	25x3	65	NHC-80	1	1.1
CB-E 70/30x3	70	30x3	90	NHC-80	1	1.2
CB-E 95/25x3	95	25x3	90	NHC-80	1	1.3
CB-E 95/30x3	95	30x3	90	NHC-80	1	1.3
CB-E 120/25x3	120	25x3	115	NHC-80	1	1.3
CB-E 120/30x3	120	30x3	115	NHC-80	1	1.9
CB-E 120/30x5	120	30x5	115	NHC-80	1	1.9
CB-E 120/40x5	120	40x5	150	NHC-80	1	2
CB-E 120/50x5	120	50x5	150	NHC-80	1	2
CB-E 150/25x3	150	25x3	115	NHC-80	1	1.9
CB-E 150/30x3	150	30x3	115	NHC-80	1	1.9
CB-E 150/30x5	150	30x5	115	NHC-80	1	1.9
CB-E 150/40x5	150	40x5	150	NHC-80	1	2
CB-E 150/50x5	150	50x5	150	NHC-80	1	2
CB-E 185/25x3	185	25x3	150	NHC-80	1	2.5
CB-E 185/30x3	185	30x3	200	NHC-80	1	2.8
CB-E 185/30x5	185	30x5	200	NHC-80	1	2.8
CB-E 185/40x5	185	40x5	250	NHC-80	1	3.2
CB-E 185/50x5	185	50x5	250	NHC-80	1	3.2

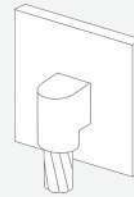
For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

▶ WIRE TO VERTICAL STEEL STRUCTURE CONNECTION (CS-VI)

CS-VI Moulds are used for wire end to steel structure connection.



FEATURE:

- Round conductor to steel structure connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CS-VI 35	35	65	VSC-50	1	1
CS-VI 50	50	90	VSC-80	1	1.4
CS-VI 70	70	90	VSC-80	1	1.4
CS-VI 95	95	115	VSC-80	1	2
CS-VI 120	120	115	VSC-80	1	2
CS-VI 150	150	150	VSC-80	1	2.3
CS-VI 185	185	200	VSC-80	1	2.5
CS-VI 240	240	250	VSC-80	1	2.8

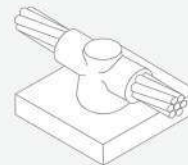
For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type VSC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

▶ WIRE TO HORIZONTAL PLATE CONNECTION (CS-DH)

CS-DH Moulds are used for wire to plate connection.



FEATURE:

- Round conductor to horizontal plate connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CS-DH 35	35	115	NHC-50	1	1
CS-DH 50	50	150	NHC-80	1	1.8
CS-DH 70	70	150	NHC-80	1	2
CS-DH 95	95	150	NHC-80	1	2
CS-DH 120	120	200	NHC-80	1	2.2
CS-DH 150	150	200	NHC-80	1	2.5
CS-DH 185	185	250	NHC-80	1	2.8
CS-DH 240	240	2x150	NHC-80	1	3

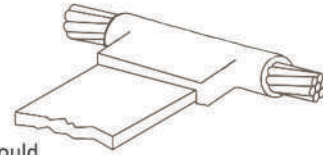
For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type VSC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

▶ TAPE TO WIRE CONNECTION (CB-T)

CB-T Moulds are used for wire run to tape connection.



FEATURE:

- Horizontal round conductor to tape connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm)				
CB-T 35/20×3	35	20×3	45	NHC-50	1	1
CB-T 35/25×3	35	25×3	65	NHC-50	1	1
CB-T 50/20×3	50	20×3	65	NHC-50	1	1
CB-T 50/25×3	50	25×3	65	NHC-50	1	1.1
CB-T 70/25×3	70	25×3	90	NHC-50	1	1.5
CB-T 70/30×3	70	30×3	115	NHC-50	1	1.8
CB-T 95/30×3	95	30×3	150	NHC-80	1	2.3
CB-T 95/30×5	95	30×5	150	NHC-80	1	2.3
CB-T 95/40×5	95	40×5	200	NHC-80	1	2.3
CB-T 95/50×5	95	50×5	200	NHC-80	1	2.3
CB-T 120/30×3	120	30×3	150	NHC-80	1	2.3
CB-T 120/30×5	120	30×5	150	NHC-80	1	2.3
CB-T 120/40×5	120	40×5	200	NHC-80	1	3
CB-T 120/50×5	120	50×5	250	NHC-80	1	3
CB-T 150/30×3	150	30×3	200	NHC-80	1	2.7
CB-T 150/30×5	150	30×5	200	NHC-80	1	2.7
CB-T 150/40×5	150	40×5	250	NHC-80	1	3.3
CB-T 150/50×5	150	50×5	2×150	NHC-80	1	3.3
CB-T 185/30×5	185	30×3	250	NHC-80	1	3
CB-T 185/30×5	185	30×5	250	NHC-80	1	3
CB-T 185/40×5	185	40×5	2×150	NHC-80	1	3.3
CB-T 185/50×5	185	50×5	2×150	NHC-80	1	3.3
CB-T 240/30×3	240	30×3	250	NHC-80	1	3.2
CB-T 240/30×5	240	30×5	250	NHC-80	1	3.2
CB-T 240/40×5	240	40×5	2×150	NHC-80	1	3.3
CB-T 240/50×5	240	50×5	2×150	NHC-80	1	3.3

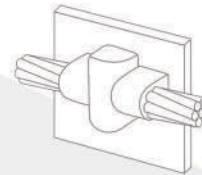
For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

▶ WIRE TO STEEL STRUCTURE CONNECTION (CS-PVH)

CS-PVH Moulds are used for wire to steel structure connection.



FEATURE:

- Round conductor to steel structure connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CS-PVH 35	35	90	VSC-80	1	1.8
CS-PVH 50	50	115	VSC-80	1	2
CS-PVH 70	70	115	VSC-80	1	2.2
CS-PVH 95	95	150	VSC-80	1	2.3
CS-PVH 120	120	150	VSC-80	1	2.3
CS-PVH 150	150	200	VSC-80	1	3
CS-PVH 185	185	250	VSC-80	1	3.2
CS-PVH 240	240	2×150	VSC-80	1	4.9

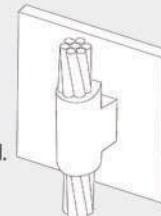
For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type VSC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

▶ VERTICAL WIRE TO PLATE CONNECTION (CS-PVV)

CS-PVV Moulds are used to make vertical wire run to plate connection.



FEATURE:

- Wire run to vertical plate connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CS-PVV 35	35	115	VSC-80	1	2.2
CS-PVV 50	50	150	VSC-80	1	2.5
CS-PVV 70	70	200	VSC-80	1	2.7
CS-PVV 95	95	250	VSC-80	1	3
CS-PVV 120	120	250	VSC-80	1	3.2
CS-PVV 150	150	250	VSC-80	1	3.2
CS-PVV 185	185	2×200	VSC-80	1	3.5
CS-PVV 240	240	2×200	VSC-80	1	4

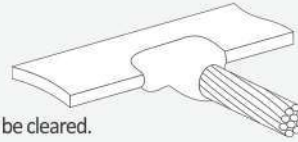
For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type VSC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

▶ TAPE TO WIRE "T" CONNECTION (CBS-H)

CBS-H Moulds are used to make wire end to tape connection.



FEATURE:

- Tape to wire terminal connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm)				
CBS-H 35/3	35	3	90	NHC-80	1	1
CBS-H 50/3	50	3	90	NHC-80	1	1
CBS-H 70/3	70	3	90	NHC-80	1	1.1
CBS-H 95/3	95	3	90	NHC-80	1	1.5
CBS-H 120/3	120	3	90	NHC-80	1	1.7
CBS-H 35/5	35	5	90	NHC-80	1	1
CBS-H 50/5	50	5	90	NHC-80	1	1.1
CBS-H 70/5	70	5	90	NHC-80	1	1.5
CBS-H 95/5	95	5	115	NHC-80	1	1.5
CBS-H 120/5	120	5	115	NHC-80	1	2
CBS-H 150/5	150	5	150	NHC-80	1	2.3
CBS-H 185/5	185	5	200	NHC-80	1	2.5
CBS-H 240/5	240	5	250	NHC-80	1	2.8

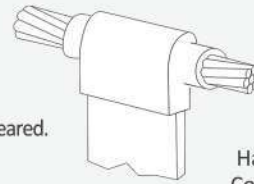
For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

▶ WIRE TO TAPE "T" CONNECTION (CB-TVA)

CB-TVA Moulds are used for wire run to tape connection.



FEATURE:

- horizontal round conductor to tape connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm)				
CB-TVA 35/20x3	35	20x3	45	NHC-50	1	0.9
CB-TVA 50/20x3	50	20x3	65	NHC-50	1	1
CB-TVA 70/25x3	70	25x3	90	NHC-50	1	1.4
CB-TVA 95/30x3	95	30x3	150	NHC-80	1	2.2
CB-TVA 120/30x5	120	30x5	200	NHC-80	1	2.5
CB-TVA 150/30x5	150	30x5	200	NHC-80	1	2.5
CB-TVA 185/50x5	185	50x5	2x150	NHC-80	1	3
CB-TVA 240/50x5	240	50x5	2x150	NHC-80	1	3

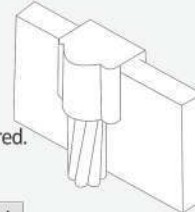
For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

▶ TAPE TO WIRE CONNECTION (CBS-VI)

CBS-VI Moulds are used for vertical wire end to tape/plate connection.



FEATURE:

- Vertical round conductor to tape connection.
- The below connection is suitable for copper tapes and for other tape materials should be cleared.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm)				
CBS-VI 35/3	35	3	90	NHC-50	1	1.4
CBS-VI 50/3	50	3	90	NHC-50	1	1.5
CBS-VI 70/3	70	3	90	NHC-50	1	1.5
CBS-VI 95/3	95	3	115	NHC-80	1	2.2
CBS-VI 120/3	120	3	115	NHC-80	1	2.2
CBS-VI 35/5	35	5	115	NHC-80	1	2
CBS-VI 50/5	50	5	115	NHC-80	1	2
CBS-VI 70/5	70	5	115	NHC-80	1	2
CBS-VI 95/5	95	5	150	NHC-80	1	2.3
CBS-VI 120/5	120	5	150	NHC-80	1	2.3

For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

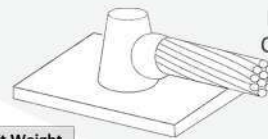
- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

▶ WIRE TO HORIZONTAL PLATE CONNECTION (CS-TH)

CS-TH Moulds are used for wire to plate connection.

FEATURE:

- round conductor to horizontal plate connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box Qty	Unit Weight (kg)
CS-TH 16	16	65	NHC-50	1	0.8
CS-TH 25	25	65	NHC-50	1	0.8
CS-TH 35	35	90	NHC-50	1	0.8
CS-TH 50	50	115	NHC-50	1	0.9
CS-TH 70	70	115	NHC-50	1	1

For sizes not listed, contact PETUNIA Co.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

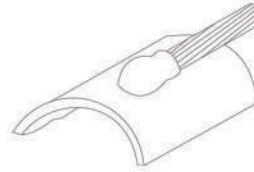


► WIRE TO PIPE CONNECTION (CP-TH)

CP-TH Moulds are used for wire to pipe connection.

FEATURE:

- Wire to horizontal pipe connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size		Cartridge Size (gr)	Handle Clamp Type	Box Qty	Unit Weight (kg)
	Main (mm ²)	Tap (mm)				
CP-TH 10/2	10	2	32	PHC-50	1	0.5
CP-TH 10/3	10	3	32	PHC-50	1	0.5
CP-TH 10/4	10	4	32	PHC-50	1	0.5
CP-TH 10/6	10	6	32	PHC-50	1	0.5
CP-TH 10/8	10	8	32	PHC-50	1	0.5
CP-TH 10/10	10	10	32	PHC-50	1	0.5
CP-TH 10/14	10	14	32	PHC-50	1	0.5
CP-TH 10/20	10	20	32	PHC-50	1	0.5
CP-TH 10	10	>20	32	PHC-50	1	0.5
CP-TH 16/2	16	2	32	PHC-50	1	0.5
CP-TH 16/3	16	3	32	PHC-50	1	0.5
CP-TH 16/4	16	4	32	PHC-50	1	0.5
CP-TH 16/6	16	6	32	PHC-50	1	0.5
CP-TH 16/8	16	8	32	PHC-50	1	0.5
CP-TH 16/10	16	10	32	PHC-50	1	0.5
CP-TH 16/14	16	14	32	PHC-50	1	0.5
CP-TH 16/20	16	20	32	PHC-50	1	0.5
CP-TH 16	16	>20	32	PHC-50	1	0.5
CP-TH 25/2	25	2	32	PHC-50	1	0.5
CP-TH 25/3	25	3	32	PHC-50	1	0.5
CP-TH 25/4	25	4	32	PHC-50	1	0.5
CP-TH 25/6	25	6	32	PHC-50	1	0.5
CP-TH 25/8	25	8	32	PHC-50	1	0.5
CP-TH 25/10	25	10	32	PHC-50	1	0.5
CP-TH 25/14	25	14	32	PHC-50	1	0.5
CP-TH 25/20	25	20	32	PHC-50	1	0.5
CP-TH 25	25	>20	32	PHC-50	1	0.5
CP-TH 35/2	35	2	32	PHC-50	1	0.8
CP-TH 35/3	35	3	32	PHC-50	1	0.8
CP-TH 35/4	35	4	32	PHC-50	1	0.8
CP-TH 35/6	35	6	32	PHC-50	1	0.8
CP-TH 35/8	35	8	32	PHC-50	1	0.8
CP-TH 35/10	35	10	32	PHC-50	1	0.8
CP-TH 35/14	35	14	32	PHC-50	1	0.8
CP-TH 35/20	35	20	32	PHC-50	1	0.8
CP-TH 35	35	>20	32	PHC-50	1	0.8
CP-TH 50/2	50	2	45	PHC-60	1	0.8
CP-TH 50/3	50	3	45	PHC-60	1	0.8
CP-TH 50/4	50	4	45	PHC-60	1	0.8
CP-TH 50/6	50	6	45	PHC-60	1	0.8
CP-TH 50/8	50	8	45	PHC-60	1	0.8
CP-TH 50/10	50	10	45	PHC-60	1	0.8
CP-TH 50/14	50	14	45	PHC-60	1	0.8
CP-TH 50/20	50	20	45	PHC-60	1	0.8
CP-TH 50	50	>20	45	PHC-60	1	0.8
CP-TH 70/2	70	2	65	PHC-60	1	0.9
CP-TH 70/3	70	3	65	PHC-60	1	1.4
CP-TH 70/4	70	4	65	PHC-60	1	1.4
CP-TH 70/6	70	6	65	PHC-60	1	1.4
CP-TH 70/8	70	8	65	PHC-60	1	1.4
CP-TH 70/10	70	10	65	PHC-60	1	1.4
CP-TH 70/14	70	14	65	PHC-60	1	1.4
CP-TH 70/20	70	20	65	PHC-60	1	1.4
CP-TH 70	70	>20	65	PHC-60	1	1.4
CP-TH 95/2	95	2	115	PHC-60	1	1.5
CP-TH 95/3	95	3	115	PHC-60	1	1.5
CP-TH 95/4	95	4	115	PHC-60	1	1.5
CP-TH 95/6	95	6	115	PHC-60	1	1.5
CP-TH 95/8	95	8	115	PHC-60	1	1.5
CP-TH 95/10	95	10	115	PHC-60	1	1.5
CP-TH 95/14	95	14	115	PHC-60	1	1.5
CP-TH 95/20	95	20	115	PHC-60	1	1.5
CP-TH 95	95	>20	115	PHC-60	1	1.5

REQUIRED TOOLS

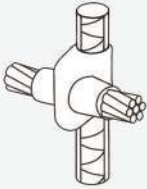
- Handle Clamps Type PHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Gloves
- Lighter

SUGGESTED TOOLS

- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

► EXOTHERMIC WELDING WIRE TO REBAR CONNECTIONS

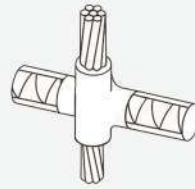
There are many types of wire connections to rebars, some of which are listed below. In addition, mould selection tables, welding powder, and mould handle clamps for some of these connections are also listed next pages.



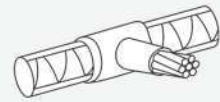
CA-TS
Page: 22



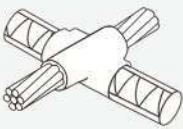
CA-TL
Page: 22



CA-PV
Page: 22



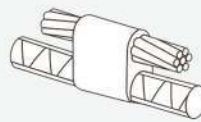
CA-TH
Page: 22



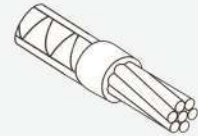
CA-XS
Page: 23



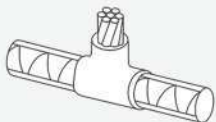
CA-HV
Page: 23



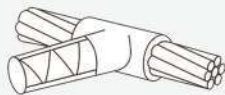
CA-HF
Page: 23



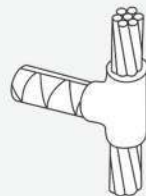
CA-E
Page: 23



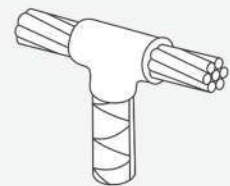
CA-TVT



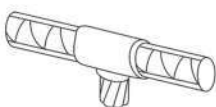
CA-THC



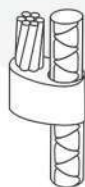
CA-TLA



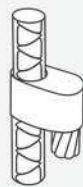
CA-TVB



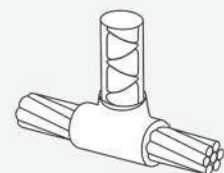
CA-TVD



CA-KS



CA-KV



CA-TVC

► WIRE TO REBAR CROSS CONNECTION (CA-TS)

CA-TS Moulds are used for wire to rebar connection.

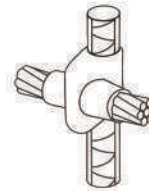
FEATURE:

- Horizontal wire to vertical rebar "X" connection.
- Concentric stranded copper wire unless otherwise noted.
- Solid conductor may be copper or copper-clad.

Reference Code	Rod Dia.	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CA-TS 20/35	20	35	90	NHC-50	1	1.3
CA-TS 20/50	20	50	115	NHC-50	1	1.9
CA-TS 20/70	20	70	150	NHC-50	1	1.9
CA-TS 20/95	20	95	150	NHC-50	1	1.9
CA-TS 20/120	20	120	200	NHC-80	1	2.7

For sizes not listed, contact PETUNIA Co.

NOTE: A packing pad is necessary when making "PetWeld" connections to Rebar. They are ceramic fiber materials and are used just for one connection.



- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE END TO REBAR CONNECTION (CA-TL)

CA-TL Moulds are used for wire end to rebar connection.

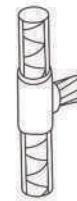
FEATURE:

- Horizontal wire terminal to vertical rebar connection.
- Concentric stranded copper wire unless otherwise noted.
- Solid conductor may be copper or copper-clad.

Reference Code	Rod Dia.	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CA-TL 20/35	20	35	90	NHC-80	1	1.9
CA-TL 20/50	20	50	150	NHC-80	1	2.5
CA-TL 20/70	20	70	150	NHC-80	1	2.5
CA-TL 20/95	20	95	200	NHC-80	1	2.7
CA-TL 20/120	20	120	200	NHC-80	1	2.7

For sizes not listed, contact PETUNIA Co.

NOTE: A packing pad is necessary when making "PetWeld" connections to Rebar. They are ceramic fiber materials and are used just for one connection.



- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE TO REBAR CROSS CONNECTION (CA-PV)

CA-PV Moulds are used for wire to rebar cross connection.

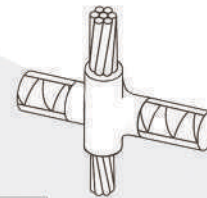
FEATURE:

- Vertical wire to horizontal rebar "X" connection.
- Concentric stranded copper wire unless otherwise noted.
- Solid conductor may be copper or copper-clad.

Reference Code	Rod Dia.	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CA-PV 20/35	20	35	115	NHC-50	1	1.3
CA-PV 20/50	20	50	150	NHC-50	1	1.9
CA-PV 20/70	20	70	150	NHC-80	1	1.9
CA-PV 20/95	20	95	200	NHC-80	1	1.9
CA-PV 20/120	20	120	200	NHC-80	1	2.7

For sizes not listed, contact PETUNIA Co.

NOTE: A packing pad is necessary when making "PetWeld" connections to Rebar. They are ceramic fiber materials and are used just for one connection.



- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE TO REBAR "T" CONNECTION (CA-TH)

CA-TH Moulds are used for wire end to rebar connection.

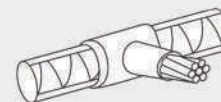
FEATURE:

- Horizontal wire terminal to horizontal rebar connection.
- Concentric stranded copper wire unless otherwise noted.
- Solid conductor may be copper or copper-clad.

Reference Code	Rod Dia.	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CA-TH 20/35	20	35	150	NHC-50	1	2
CA-TH 20/50	20	50	200	NHC-50	1	2.2
CA-TH 20/70	20	70	200	NHC-80	1	2.2
CA-TH 20/95	20	95	200	NHC-80	1	2.5
CA-TH 20/120	20	120	250	NHC-80	1	2.5

For sizes not listed, contact PETUNIA Co.

NOTE: A packing pad is necessary when making "PetWeld" connections to Rebar. They are ceramic fiber materials and are used just for one connection.

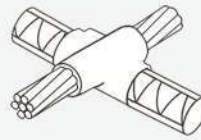


- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE TO REBAR CROSS CONNECTION (CA-XS)

CA-XS Moulds are used for wire to rebar "X" connection.



FEATURE:

- Horizontal wire to horizontal rebar cross connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Rod Dia.	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CA-XS 20/35	20	35	115	NHC-50	1	1.8
CA-XS 20/50	20	50	150	NHC-80	1	2.3
CA-XS 20/70	20	70	150	NHC-80	1	2.3
CA-XS 20/95	20	95	200	NHC-80	1	2.5
CA-XS 20/120	20	120	200	NHC-80	1	2.5

For sizes not listed, contact PETUNIA Co.

NOTE: A packing pad is necessary when making "PetWeld" connections to Rebar. They are a ceramic fiber material and used just for one connection.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE TO REBAR PARALLEL CONNECTION (CA-HV)

CA-HV Moulds are used for wire to rebar connection.



FEATURE:

- Vertical wire to vertical rebar parallel connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Rod Dia.	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CA-HV 20/35	20	35	150	NHC-80	1	2.5
CA-HV 20/50	20	50	200	NHC-80	1	2.5
CA-HV 20/70	20	70	200	NHC-80	1	2.7
CA-HV 20/95	20	95	200	NHC-80	1	2.8
CA-HV 20/120	20	120	250	NHC-80	1	3.2

For sizes not listed, contact PETUNIA Co.

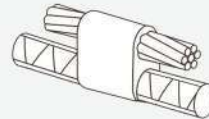
NOTE: A packing pad is necessary when making "PetWeld" connections to Rebar. They are a ceramic fiber material and used just for one connection.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE TO REBAR PARALLEL CONNECTION (CA-HF)

CA-HF Moulds are used for wire to rebar connection.



FEATURE:

- Horizontal wire to horizontal rebar parallel connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Rod Dia.	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CA-HF 20/35	20	35	150	NHC-80	1	2.3
CA-HF 20/50	20	50	200	NHC-80	1	2.7
CA-HF 20/70	20	70	200	NHC-80	1	2.7
CA-HF 20/95	20	95	250	NHC-80	1	2.8
CA-HF 20/120	20	120	250	NHC-80	1	2.8

For sizes not listed, contact PETUNIA Co.

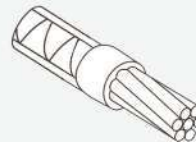
NOTE: A packing pad is necessary when making "PetWeld" connections to Rebar. They are a ceramic fiber material and used just for one connection.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE TO REBAR STRAIGHT CONNECTION (CA-E)

CA-E Moulds are used for wire to rebar connection.



FEATURE:

- Horizontal wire to horizontal rebar straight connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.

Reference Code	Rod Dia.	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CA-E 20/35	20	35	90	NHC-50	1	1.5
CA-E 20/50	20	50	115	NHC-80	1	2
CA-E 20/70	20	70	115	NHC-80	1	2
CA-E 20/95	20	95	150	NHC-80	1	2.2
CA-E 20/120	20	120	150	NHC-80	1	2.2

For sizes not listed, contact PETUNIA Co.

NOTE: A packing pad is necessary when making "PetWeld" connections to Rebar. They are a ceramic fiber material and used just for one connection.

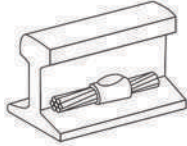
- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Golves
 - Lighter

- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

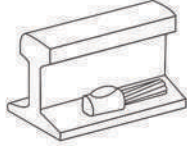


► DIFFERENT EXOTHERMIC WELDING CONNECTION

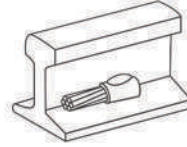
The connections shown below are some different connections which not listed in a category before. PETUNIA can design any type of connection which you need. Please contact our engineers.



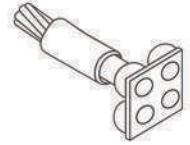
CI-TH
Page: 25



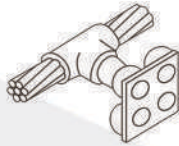
CI-THD
Page: 25



CI-THI
Page: 25



MC-E
Page: 25



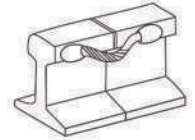
MC-TH
Page: 26



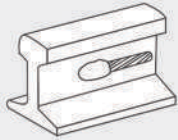
RP-E
Page: 26



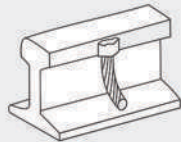
RP-TH
Page: 26



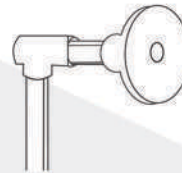
CI-TV



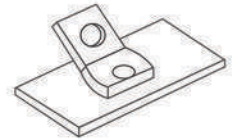
CI-TVD



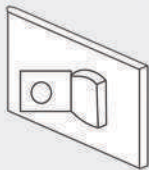
CI-VI



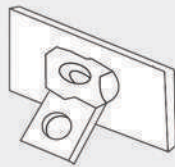
MR-AR



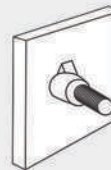
LS-TV



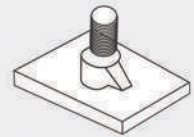
LS-TF



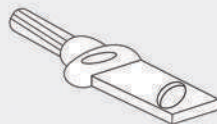
LS-TD



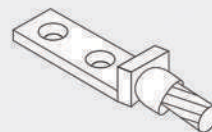
SS-TD



SS-TV



CL-E



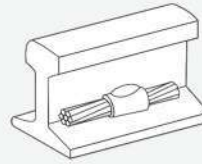
CL-EL

► WIRE TO RAIL CONNECTION (CI-TH)

CI-TH Moulds are used for wire to railway connection.

FEATURE:

- Horizontal wire to railway connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CI-TH 50	50	90	TRU-60	1	1
CI-TH 70	70	90	TRU-60	1	1
CI-TH 95	95	115	TRU-60	1	1.4
CI-TH 120	120	150	TRU-60	1	2
CI-TH 150	150	150	TRU-60	1	2

For sizes not listed, contact PETUNIA Co.

NOTE: Rail materials characteristics, use and locations of weld should be considered when selecting connections to a rail.

- REQUIRED TOOLS**
- Handle Clamps Type TRU
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

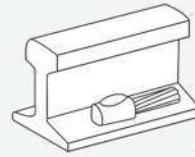
- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE TO RAIL CONNECTION (CI-THD)

CI-THD Moulds are used for wire to railway connection.

FEATURE:

- Horizontal wire to railway connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CI-THD 50	50	90	TRU-60	1	0.8
CI-THD 70	70	90	TRU-60	1	0.9
CI-THD 95	95	115	TRU-60	1	1.4
CI-THD 120	120	150	TRU-60	1	1.4
CI-THD 150	150	150	TRU-60	1	2

For sizes not listed, contact PETUNIA Co.

NOTE: Rail materials characteristics, use and locations of weld should be considered when selecting connections to a rail.

- REQUIRED TOOLS**
- Handle Clamps Type TRU
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

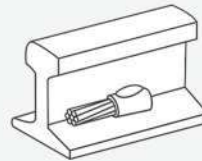
- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► WIRE END TO RAIL CONNECTION (CI-THI)

CI-THI Moulds are used for wire to railway connection.

FEATURE:

- Horizontal wire terminal to railway connection.
- Concentric stranded copper wire unless otherwise noted
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
CI-THI 50	50	90	TRU-60	1	0.8
CI-THI 70	70	90	TRU-60	1	0.9
CI-THI 95	95	115	TRU-60	1	1.4
CI-THI 120	120	150	TRU-60	1	1.4
CI-THI 150	150	150	TRU-60	1	2

For sizes not listed, contact PETUNIA Co.

NOTE: Rail materials characteristics, use and locations of weld should be considered when selecting connections to a rail.

- REQUIRED TOOLS**
- Handle Clamps Type TRU
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

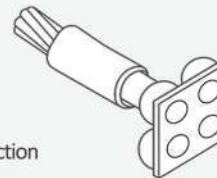
- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► EARTH PAD TO ROUND CONDUCTOR CONNECTION (MC-E)

MC-E Moulds are used for making wire to earth pad connection.

FEATURE:

- Wire to earth pad connection.
- PETUNIA earth pad used in concrete structures offer convenient ground system connection
- Earth pad should always be encased in concrete.
- Concentric stranded copper wire is listed.



Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
MC-E 50/12.7	50	65	NHC-50	1	0.8
MC-E 70/12.7	70	90	NHC-50	1	1.3
MC-E 95/12.7	95	90	NHC-50	1	1.3
MC-E 120/12.7	120	115	NHC-80	1	1.8
MC-E 150/12.7	150	115	NHC-80	1	1.8
MC-E 185/12.7	185	150	NHC-80	1	2
MC-E 240/12.7	240	200	NHC-80	1	2.2

For sizes not listed, contact PETUNIA Co.

NOTE: These ground points are used for equipment, machinery and structure grounding after completion of the concrete work.

- REQUIRED TOOLS**
- Handle Clamps Type NHC
 - Conductor Cleaning Brush
 - Slag Removal Spade
 - Mould Cleaning Brush
 - Gloves
 - Lighter

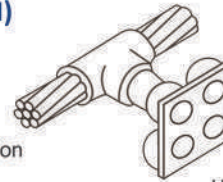
- SUGGESTED TOOLS**
- Cable Clamp
 - Torch Head
 - Cleaning Tools CTKA
 - Mould Sealer

► EARTH PAD TO ROUND CONDUCTOR "T" CONNECTION (MC-TH)

MC-TH Moulds are used for making wire to earth pad connection.

FEATURE:

- Wire to earth pad "T" connection.
- PETUNIA earth pads used in concrete structures offer convenient earth system connection
- Earth pads should always be encased in concrete.
- Concentric stranded copper wire is listed.



Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
MC-TH 50/12.7	50	65	NHC-50	1	0.8
MC-TH 70/12.7	70	90	NHC-50	1	1.3
MC-TH 95/12.7	95	90	NHC-50	1	1.3
MC-TH 120/12.7	120	115	NHC-80	1	1.8
MC-TH 150/12.7	150	115	NHC-80	1	1.8
MC-TH 185/12.7	185	150	NHC-80	1	2
MC-TH 240/12.7	240	200	NHC-80	1	2.2

For sizes not listed, contact PETUNIA Co.

NOTE: Rail materials characteristics, use and locations of weld should be considered when selecting connections to a rail.

REQUIRED TOOLS

- Handle Clamps Type NHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Golves
- Lighter

SUGGESTED TOOLS

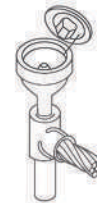
- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

► GROUND RECEPTACLE TO WIRE CONNECTION (RP-E)

RP-E Moulds are used for making wire to receptacle connection.

FEATURE:

- Wire to receptacle connection.
- Concentric stranded copper wire is listed.
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
RP-E 50/14.2	50	2x200	NHC-80	1	4.2
RP-E 70/14.2	70	2x200	NHC-80	1	4.2
RP-E 95/14.2	95	2x200	NHC-80	1	4.4
RP-E 120/14.2	120	2x200	NHC-80	1	4.4
RP-E 50/17.2	50	2x200	NHC-80	1	4.8
RP-E 70/17.2	70	2x200	NHC-80	1	4.8
RP-E 95/17.2	95	2x200	NHC-80	1	5
RP-E 120/17.2	120	2x200	NHC-80	1	5

For sizes not listed, contact PETUNIA Co.

NOTE: These ground points are used for equipment, machinery and structure grounding after completion of the concrete work.

REQUIRED TOOLS

- Handle Clamps Type NHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Golves
- Lighter

SUGGESTED TOOLS

- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

► GROUND RECEPTACLE TO WIRE CONNECTION (RP-TH)

RP-TH Moulds are used for making wire to receptacle connection.

FEATURE:

- Wire to receptacle connection.
- Concentric stranded copper wire is listed.
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box. Qty	Unit Weight (kg)
RP-TH 50/14.2	50	2x200	NHC-80	1	4.2
RP-TH 70/14.2	70	2x200	NHC-80	1	4.2
RP-TH 95/14.2	95	2x200	NHC-80	1	4.4
RP-TH 120/14.2	120	2x200	NHC-80	1	4.4
RP-TH 50/17.2	50	2x200	NHC-80	1	4.8
RP-TH 70/17.2	70	2x200	NHC-80	1	4.8
RP-TH 95/17.2	95	2x200	NHC-80	1	5
RP-TH 120/17.2	120	2x200	NHC-80	1	5

For sizes not listed, contact PETUNIA Co.

NOTE: These ground points are used for equipment, machinery and structure grounding after completion of the concrete work.

REQUIRED TOOLS

- Handle Clamps Type NHC
- Conductor Cleaning Brush
- Slag Removal Spade
- Mould Cleaning Brush
- Golves
- Lighter

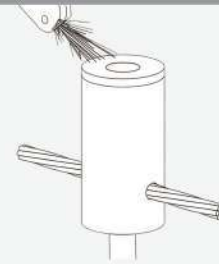
SUGGESTED TOOLS

- Cable Clamp
- Torch Head
- Cleaning Tools CTKA
- Mould Sealer

WELDING ONE-SHOT MOULD

► “PetWeld” WELDING ONE SHOT MOULD

PETUNIA provided a ceramic disposable body that can be replaced by similar to a semi-permanent graphite mould and associated handle clamp. It is used for plain or threaded copper clad and galvanized steel or stainless steel rods.

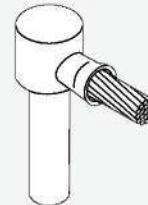


► WIRE TO EARTH ROD ONE SHOT CONNECTION (CR-OSL)

CR-OSL Moulds are used for making wire-to-ground rod connections.

FEATURE:

- Wire end-to-earth rod connection.
- Concentric stranded copper wire is listed.
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box Qty
CR-OSL 12.7/16	12.7	1/2	16	1
CR-OSL 12.7/25	12.7	1/2	25	1
CR-OSL 12.7/35	12.7	1/2	35	1
CR-OSL 12.7/50	12.7	1/2	50	1
CR-OSL 12.7/70	12.7	1/2	70	1
CR-OSL 12.7/95	12.7	1/2	95	1
CR-OSL 14.2/16	14.2	5/8	16	1
CR-OSL 14.2/25	14.2	5/8	25	1
CR-OSL 14.2/35	14.2	5/8	35	1
CR-OSL 14.2/50	14.2	5/8	50	1
CR-OSL 14.2/70	14.2	5/8	70	1
CR-OSL 14.2/95	14.2	5/8	95	1
CR-OSL 17.2/16	17.2	3/4	16	1
CR-OSL 17.2/25	17.2	3/4	25	1
CR-OSL 17.2/35	17.2	3/4	35	1
CR-OSL 17.2/50	17.2	3/4	50	1
CR-OSL 17.2/70	17.2	3/4	70	1
CR-OSL 17.2/95	17.2	3/4	95	1

Threaded portion of copperbond rods must be removed prior to welding

REQUIRED TOOLS
Conductor Cleaning Brush
Gloves
Lighter

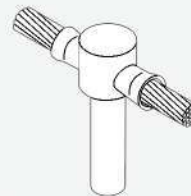
SUGGESTED TOOLS
Cable Clamp
Torch Head
Cleaning Tools CTKA
Mould Sealer

► WIRE TO EARTH ROD “T” ONE SHOT CONNECTION (CR-OST)

CR-OST Moulds are used for making wire to ground rod connection.

FEATURE:

- Wire to receptacle connection.
- Concentric stranded copper wire is listed.
- Solid conductor may be copper or copper-clad.



Reference Code	Conductor Size (mm ²)	Cartridge Size (gr)	Handle Clamp Type	Box Qty
CR-OST 12.7/16	12.7	1/2	16	1
CR-OST 12.7/25	12.7	1/2	25	1
CR-OST 12.7/35	12.7	1/2	35	1
CR-OST 12.7/50	12.7	1/2	50	1
CR-OST 12.7/70	12.7	1/2	70	1
CR-OST 12.7/95	12.7	1/2	95	1
CR-OST 14.2/16	14.2	5/8	16	1
CR-OST 14.2/25	14.2	5/8	25	1
CR-OST 14.2/35	14.2	5/8	35	1
CR-OST 14.2/50	14.2	5/8	50	1
CR-OST 14.2/70	14.2	5/8	70	1
CR-OST 14.2/95	14.2	5/8	95	1
CR-OST 17.2/16	17.2	3/4	16	1
CR-OST 17.2/25	17.2	3/4	25	1
CR-OST 17.2/35	17.2	3/4	35	1
CR-OST 17.2/50	17.2	3/4	50	1
CR-OST 17.2/70	17.2	3/4	70	1
CR-OST 17.2/95	17.2	3/4	95	1

Threaded portion of copperbond rods must be removed prior to welding

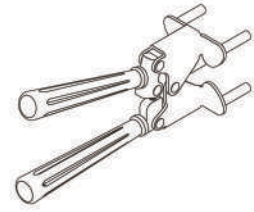
REQUIRED TOOLS
Conductor Cleaning Brush
Gloves
Lighter

SUGGESTED TOOLS
Cable Clamp
Torch Head
Cleaning Tools CTKA
Mould Sealer

WELDING HANDLE CLAMP

► WELDING HANDLE CLAMP

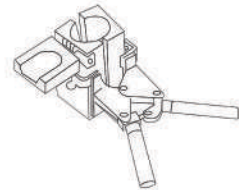
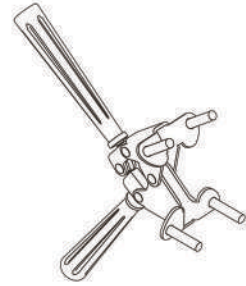
Mould Handle Clamps are used to tighten moulds when different items such as wires, tapes, earth rods, plates, and so on are to be welded together. Handle Clamps for different connections may be different. Petunia offers a variety of mould handle clamps for different purposes. In this section, we have shown the types of mould handles and the application of each.



► GENERAL HANDLE CLAMP (NHC)

This type of Mould Handle Clamp is used for most moulds. Petunia production Handle Clamps are designed in three sizes and can be easily used for all mould sizes.

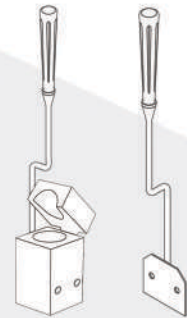
Reference Code	Application	Dimension (mm)			Box. Qty	Unit Weight (kg)
		L	W	H		
NHC-50	Used For Most Type Of "PetWeld Exothermic Welding Moulds"	250	80	90	1	0.85
NHC-80		250	80	90	1	1.08
NHC-100		290	103	95	1	1.14



► CP MOULD HANDLE CLAMP (PHC)

Petunia's PHC mould handles are used to hold the mould on the pipe during the heat welding reaction of the wire to pipe connection at the cathodic protection joints. During the reaction, the mould and the pipe must be utterly tangent so that the material does not leak from the space between them.

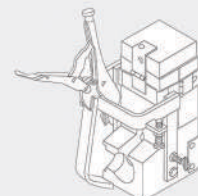
Reference Code	Application	Dimension (mm)			Box. Qty	Unit Weight (kg)
		L	W	H		
PHC-50	Used For CP-TH Type Of "PetWeld Exothermic Welding Moulds"	60	46	405	1	0.85
PHC-60		70	46	405	1	1.08



► RAILWAY MOULD HANDLE CLAMP (TRU)

These Handle Clamps manufactured by Petunia Company are used to fasten the mould to the rail during Thermo welding reaction. The Handle is designed so that the welding of the molten material does not leak from the space between the mould and the rail.

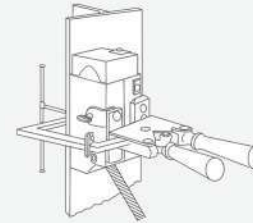
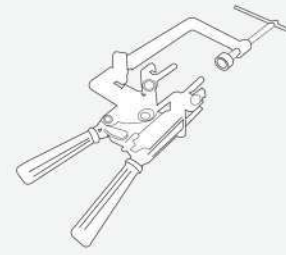
Reference Code	Application	Dimension (mm)			Box. Qty	Unit Weight (kg)
		L	W	H		
TRU-60	Used For Rail Type Of "PetWeld Exothermic Welding Moulds"	370	100	100	1	1.5



► SHEET SUPPORT HANDLE CLAMP (VSC)

The VSC type Mould Handle Clamps of the Petunia are used to hold the mould on a vertical surface during the heat welding reaction. The handle clamp is designed to overlap the mould to the surface during the reaction completely and does not need to be held by hand.

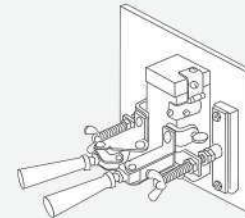
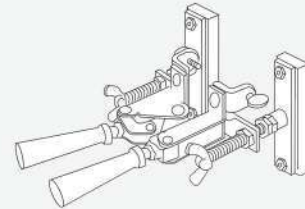
Reference Code	Application	Dimension (mm)			Box. Qty	Unit Weight (kg)
		L	W	H		
VSC-50	Used To Hold A Mould Fit At It	450	65	130	1	0.85
VSC-80	Vertical Position On Steel Shee Or	450	85	130	1	1.08
VSC-100	Column	450	103	130	1	1.14



► MAGNETIC HANDLE CLAMP (MTR)

The PETUNIA moulds can be securely held to a large flat or slightly curved vertical surface using the Magnetic Handle Clamp. So the Magnetic Clamp is used to hold a mold in position on a vertical steel surface.

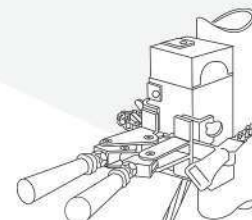
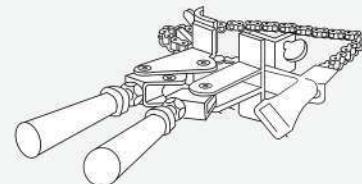
Reference Code	Application	Dimension (mm)			Box. Qty	Unit Weight (kg)
		L	W	H		
MTR-80	Used For CS-VI Type Of "PetWeld Exothermic Welding Moulds	370	100	100	1	1.5



► CHAIN HANDLE CLAMP (CTR)

The PETUNIA chain clamps can be securely held for assembly mould on pipe or metallic structure in vertical position.

Reference Code	Application	Dimension (mm)			Box. Qty	Unit Weight (kg)
		L	W	H		
CTR-80	Used For CS-VI Type Of "PetWeld Exothermic Welding Moulds	370	100	100	1	1.5

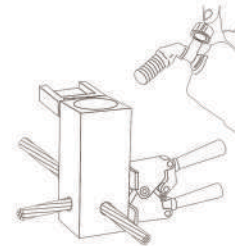


EXOTHERMIC WELDING ACCESSORIES

► “PETWELD” MOULD WARMER

The TFG gas torch should be used to heat the mould when it is cold, as well as to remove moisture or possibly oil from the conductors and areas where the thermite welding operation will be performed.

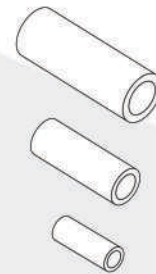
Reference Code	Application	Used For	Dimension (mm)			Box. Qty	Unit Weight (kg)
			L	W	H		
TFG	Warmer	Mould	200	16	160	1	0.95



► COPPER WIRE CHANGE SLEEVE

Wire sleeves are used to change the size of the wire when the mould hole is larger than the size of the wire on which the thermite welding operation is to be performed. These sleeves are made of copper and are available in a variety of sizes.

Reference Code	Section (mm ²)		Dimension (mm)		Box. (Qty)	Unit Weight (kg)
	Main	Adapted Size	Out Dia.	L		
SQ 16/25	16	25	7	20	10	0.01
SQ 16/35	16	35	8	20	10	0.01
SQ 16/50	16	50	9.5	20	10	0.01
SQ 16/70	16	70	11	20	10	0.01
SQ 16/95	16	95	13	25	10	0.02
SQ 16/120	16	120	15	25	10	0.03
SQ 25/35	25	35	8	20	10	0.01
SQ 25/50	25	50	9.5	20	10	0.01
SQ 25/70	25	70	11	20	10	0.01
SQ 25/95	25	95	13	25	10	0.02
SQ 25/120	25	120	15	25	10	0.03
SQ 35/50	35	50	9.5	20	10	0.01
SQ 35/70	35	70	11	20	10	0.01
SQ 35/95	35	95	13	25	10	0.02
SQ 35/120	35	120	15	25	10	0.03
SQ 50/70	50	70	11	20	10	0.01
SQ 50/95	50	95	13	25	10	0.01
SQ 50/120	50	120	15	25	10	0.02
SQ 70/95	70	95	13	25	10	0.01
SQ 70/120	70	120	15	25	10	0.02
SQ 70/150	70	150	16	25	10	0.02
SQ 70/185	70	185	18	25	10	0.04
SQ 70/240	70	240	21	25	10	0.06
SQ 95/120	95	120	15	25	10	0.01
SQ 95/150	95	150	16	25	10	0.02
SQ 95/185	95	185	18	25	10	0.03
SQ 95/240	95	240	21	25	10	0.05



► MOULD SEALER

Mould Sealer is ideal for sealing hot or cold moulds to retard leakage from large stranded conductors. It is required on certain moulds such as types wire to rebar and wire to plate and pipe. It prolongs useful mould life when the wire opening becomes worn.

Reference Code	Application	Dimension (mm)		Box. Qty	Unit Weight (kg)
		ØD	L		
MS 5	Mould Sealing Compound	115	70	1	0.5
MS 10		115	130	1	1



► “PETWELD” MOULD CLEANING TOOLS

A Petunia cleaning kit is used to clean thermite welding surfaces from any solid or oxide pollution. It is also necessary that after the thermite welding operation, the mould is cleaned of welding contaminants with a scraper tool and a soft brush in order to prepare for the next welding. In the cleaning kit, a lighter is also placed to light the wick or torch.

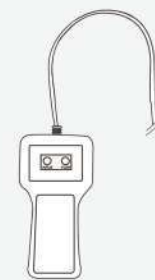
Reference Code	Application	Dimension (mm)		Box. Qty	Unit Weight (kg/Box)
		L	W		
CTKA	ACC. For Making aWeld	350	250	1	0.5



► REMOTE WELDING GUN

The remote welding control is used as a trigger for the reaction of thermite welding starter wires. This device is rechargeable and can be easily used by the user.

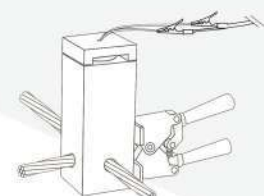
Reference Code	Application	Dimension (mm)			Box. Qty	Unit Weight (kg/Box)
		L	W	H		
RWG 12	For Triggering Welding Material	220	116	110	1	0.6



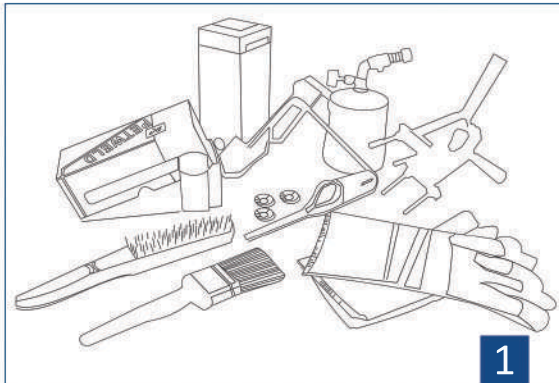
► ELECTRICAL WELDING FUSE

Welding fuses are used as starters for thermite welding materials. These fuses shall be connected to the remote welding gun and act as a starter after an electrical connection.

Reference Code	Application	Dimension (mm)			Box. Qty	Unit Weight (kg/Box)
		L	W	H		
WF 50	For Triggering Welding Material	23	10	4	10	0.04

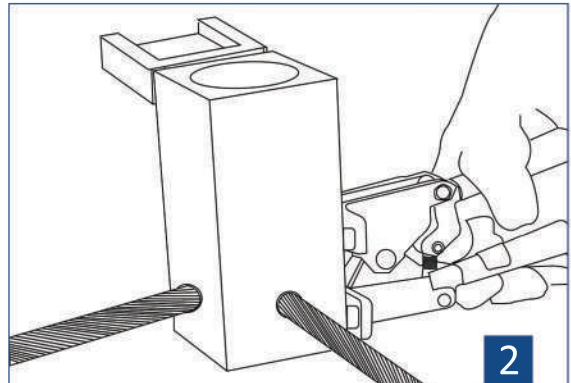


WELDING PROCESS



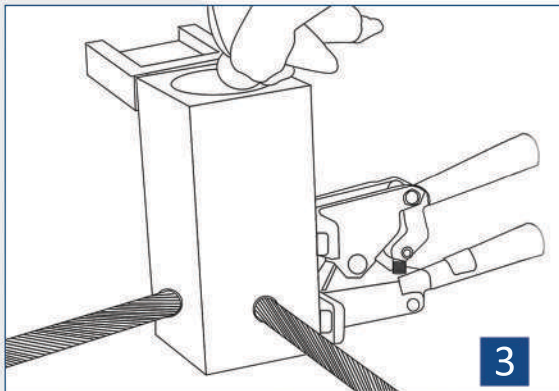
1

- Clean & dry junction points and remove rust or greases from that.
- Before starting welding, mould has to be dried (by pre-heating it up to 120-130° Centigrade. with a torch or through burning a cartridge).



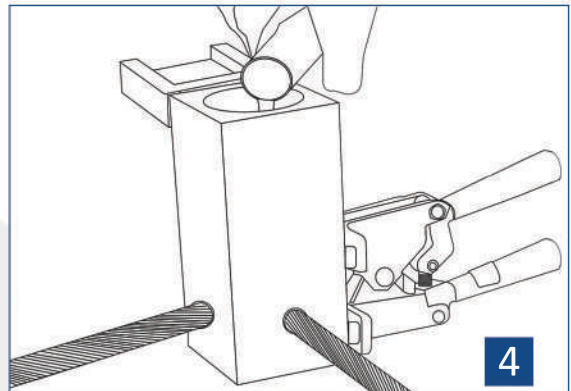
2

- Place pieces to be welded inside the mould, making them in the correct position to check if they are in the suitable position before igniting take place.



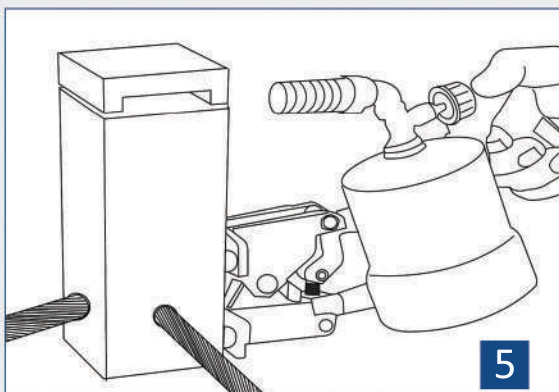
3

- Close mould securely with handle clamp
- Place metallic disc on tap hole, and consider that suitable disc should be selected referring to powder size.



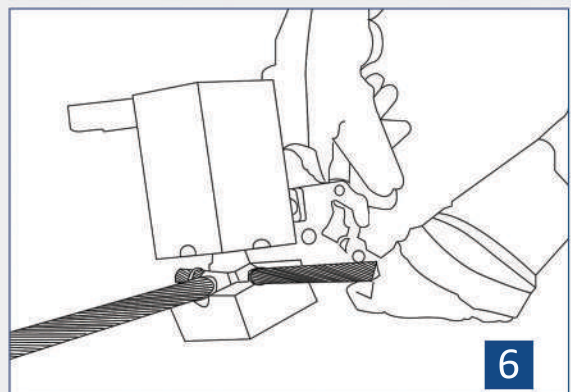
4

- Pour into the mould the "Pet Weld" powder without moving the metallic disk; be sure that its size corresponds to that shown on the moulds plate.



5

- Spread starting powder over "Pet Weld" powder uniformly and close the cover.
- Put wick into the mould, but be sure that the wick top to be out of the cover opening for easy ignition.
- Ignite quick starter with a fire flame.



6

- Open the mould and remove skage from mould, ready for next connection. While drawing out the connection, keep mould fully open for avoiding inside edges to break.

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