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AN ISO 9001 COMPANY

HEXWELD

EXOTHERMIC WELDING

History in Engineering eXcellence

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EXOTHERMIC WELDING

HEX - BCA factory at Vapi, Gujarat

HEX - HCA factory at Jamnagar, Gujarat

INTRODUCTION

HEXWELD Exothermic welding is a simple, cost effective process used for joining similar metals like copper to copper & dissimilar metals like copper to steel. Unlike other type of joints or connections like mechanical or compression, an exothermic weld forms a permanent, irreversible joint. The homogenous nature of this joint after cooling, ensures that all the components are fused together in a single mass. This ensures a joint of the highest quality which is the key factor required for a safe & reliable electrical connection.

The HEXWELD Exothermic welding process employs an aluminothermic reaction of a copper thermite composition to heat the weld metal. Simply put, this process involves a chemical reaction that releases heat and requires no external source of heat.

This reaction takes place within a graphite mould which is specific to the type of joint required. The weld powder when ignited by using either a flint gun or a battery powered igniting device, flows in a molten state through the mould and over and around the components to be welded, forming a superior, electrically conductive weld between them.

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What is HEXWELD?

The **HEXWELD** processes use the same, time proven way to connect conductors at the molecular level. This process involves the reduction of copper oxide by aluminum which creates aluminum oxide and enough heat to provide molten copper for the connection.

The reaction is encapsulated by a graphite mould that is designed for specific conductors. These moulds provide a portable and economical way to make the best electrical connection.

Where We Can Use Exothermic Welding?

- **Infrastructure projects**
- **Utility projects**
- **Power plants**
- **Substations**
- **Rail**
- **Windfarms**
- **Solar farms**
- **Telecoms**

The HEXWELD Connection

The HEXWELD connection produces an electrical connection superior in performance to any known mechanical or pressure type connection. These connections are made in several applications including Grounding, Lightning Protection, Cathodic Protection, and Rail.

The molecular bond formed when making HEXWELD between two or more conductors.

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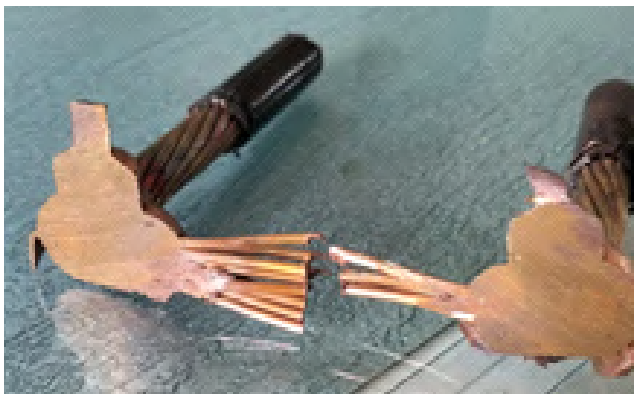
Advantages of HEXWELD exothermically welded connections :

- Due to the fused homogenous connection, they maintain a lower resistance over time.
- Due to a limited susceptibility to corrosion, they will not deteriorate with age.
- Usually, the life span of the weld exceeds that of the components it connects.
- The molecular bonding eliminates any risk of loosening, even due to vibrations.
- Will withstand repeated fault currents & offers the lowest possible earth path resistance.
- A visual inspection of the joint will ensure quick quality control.
- Safe and easy to use with minimal training and protective equipment.
- Conforms to the requirements of IEEE 837.
- Compatible with Copper, Steel, Bronze, Iron, Copper-clad steel, Stainless steel, Monel, Niobium, Brass, & Silicon bronze.

Tips for Making Quality Connections

As with all products, there are tips to make the HEXWELD process easier and to insure a quality connection. Some of these tips are as follows :

- Dry the mould with flame torch to remove any moisture in the mould. It should be heated between 250-300^{0}C.
- Clean the conductor to remove any oxide, dirt & oils to be welded.
- Make sure the mould can stay in a perpendicular position with respect to the joint while making the weld as this process is a gravity feed system.
- Make sure the handle closes the mould tightly & locks properly.
- Check all conductor holes in the graphite to make sure they aren't worn or cracked.
- Make sure conductors fit properly in the mould to seal in the weld metal in the cavity.
- Clean the mould reaction chamber of mould with scraping tool. Do not use a metal or plastic brush on the mould.



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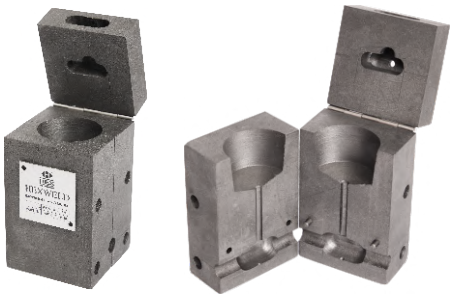
Exothermic Welding Process Tools & Accessories

1. Graphite Mould

Our Graphite moulds are made of high quality graphite and are designed to last for an average of 50 connections. This will vary according to the care given to the mould during use. We recommend not using the mould for more than 60 joints as the weld cavity gets worn out after every joint, eventually making the weld cavity shape improper.

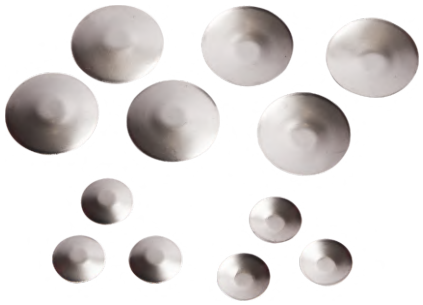


2. Mould Handle Clamp (Universal)

For most connections involving lugs, cables or rectangular bus, mould handle clamps are used. These are suitable for 90% of all standard exothermic moulds. Normally we recommend one handle clamp for every two moulds.

3. Steel Metal Disk

The Steel metal disk is a very important component & it is mandatory for every joint. The disk acts as a timing device to allow the weld powder to reacts & wait till the slag separate out from the molten copper. It then melts away, allowing the molten copper to flow into the weld cavity.



4. Exothermic Weld Powder

This is supplied in moisture-resistant pouch / plastic container with special closure caps. Standard product codes available are #045, #065, #090, #150, #200 & #250 each. Pouch / Container consists of the weld metal powder & starting powder / ignition powder which is at the bottom of the pouch/ container.

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5. Ignition Powder (Starting Powder)

Ignition powder also known as Starting powder is required to start the exothermic reaction. Sprinkle a little on the weld metal powder and again sprinkle a little on the igniting hole / slot provided in the mould lid. Ignite it with an igniting device.

6. Hand Gloves

High temperature resistant gloves are an integral part of the HEXWELD kit & are required for the safety of the operators as the molten metal reaches temperatures in excess of 1400 degrees Celsius (2550 degree F).

7. Flint Gun

It is used to ignite the starting powder which results in the exothermic reaction. We recommend one flint gun for every 50 shots.

8. Rechargeable E Lighter

It is designed keeping in mind the advantage of safety & convenience of the operator. This rechargeable lighter can be used for innumerable shots.

9. Brushes (Soft and Hard)

Soft Brush – It is used to clean the mould weld cavity so as not to damage its critical shape.

Hard Brush – It is used to clean other sections of the Mould.

We recommend a pair of Brushes for 50 joints.

10. Slag Removal Tool

It is used to remove the unwanted slag from the reaction chamber of the mould.

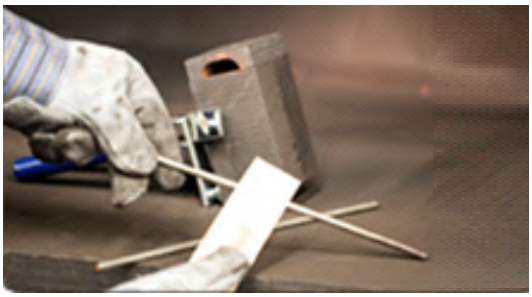
11. Safety Eye Glasses

It is mandatory to wear safety eye glasses before making an exothermic connection.

12. Flame Torch

Graphite absorbs moisture from the atmosphere. So there is a need for a flame torch to dry out the inside of the mould thoroughly on both sides.

Making a HEXWELD Connection

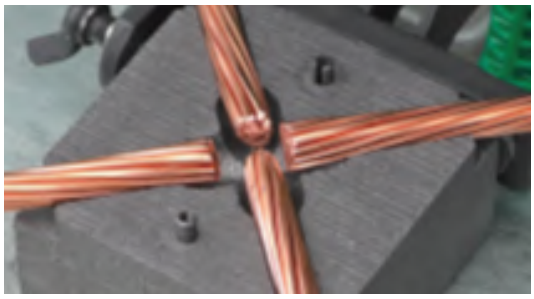


STEP 1

Clean the conductor/item to be welded

STEP 2

Use a flame torch or any other heating apparatus to heat the mould.

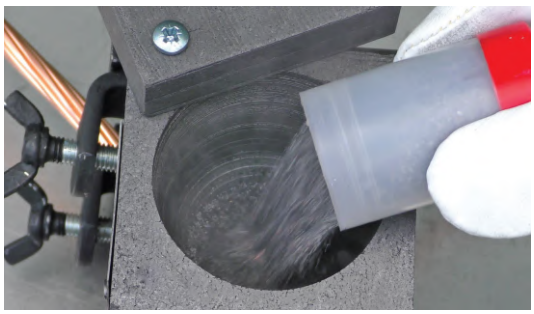


STEP 3

Insert the conductors into the mould. Close the handle clamp & lock the mould.

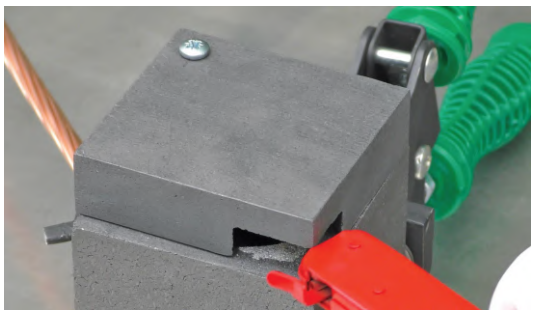
STEP 4

Insert the steel disc into the mould.



STEP 5

Pour the weld powder into the mould. Put some starting powder on the top of the welding powder & some on the lid of the mould.

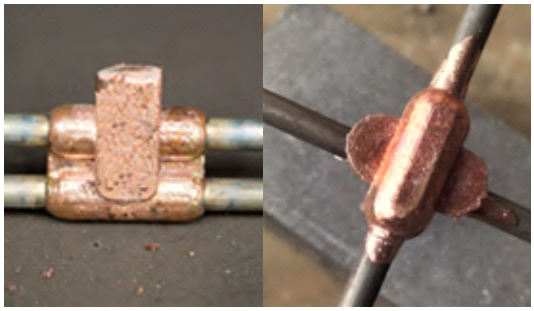


STEP 6

Close the lid & ignite the starting powder by an igniting device.

STEP 7

Wait for 2-3 minutes, open mould, remove connection & clean the mould before making the next connection.



STEP 8

A completed HEXWELD connection.

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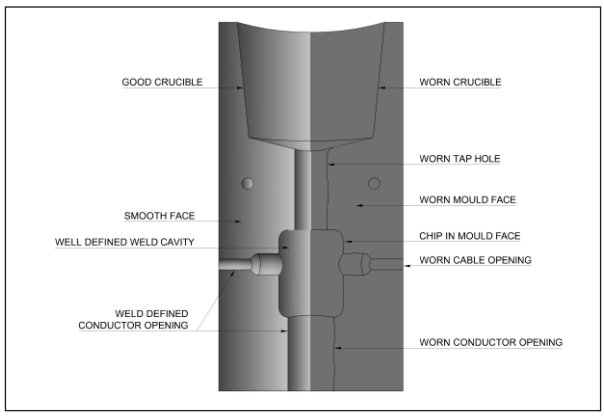
Inspecting HEXWELD Mould

Our HEXWELD graphite mould is designed to last an average of at least 50 shots but can last longer with proper care and cleaning. Using the HEXWELD system has proven to more than double the life of the mould.

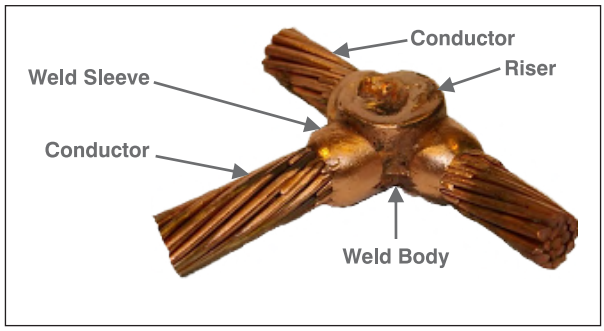


Inspect the mould regularly for the following :

1. **Conductor Openings** : The conductors should fit tight to keep the mould from leaking when fired.
2. **Weld Cavity** : The weld cavity should be well defined without large chips or cracks that may affect the weld.
3. **Tap Hole** : Should be well defined without major chips.
4. **Disk Seat** : Should be well defined and capable of sealing the weld metal in the crucible area while the reaction is taking place.
5. **Mold Parting Surface** : Needs to be without major chips or cracks and capable of sealing the reaction in the mould.
6. **Crucible** : Should be able to safely hold the reaction.

Inspecting HEXWELD Connections

In order to properly inspect HEXWELD connection, you must first familiarize yourself with the terms used for the different parts of the mould and the different parts of the weld. The mould was described in the previous section. The weld is detailed below :

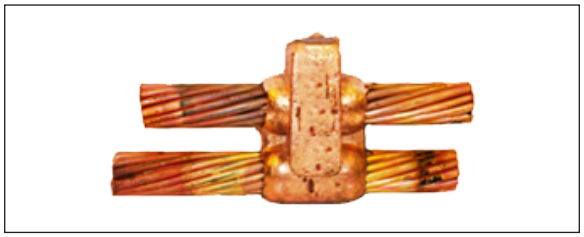


1. **Weld Sleeve** – The area of the weld that comes out from the weld body and helps give mechanical strength to the area where the molecular bond is made.
2. **Conductor** – The metal materials that are to be welded together.
3. **Riser** – The area on top of the weld that is used for excess weld material and slag.
4. **Weld Body** – The area under the tap where the conductors are welded or melted together at the molecular level.

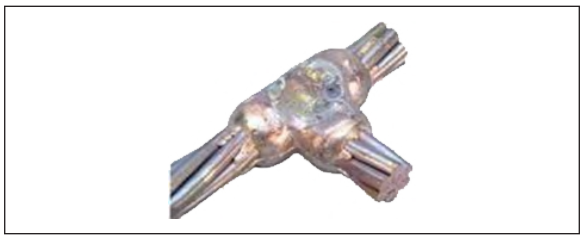
A good quality weld must have the following characteristics :

- A solid weld body with a cross section greater than the conductors.
- The sleeves must be complete.
- There should be minimal slag or no slag in the weld.
- There should be limited signs of contamination in the riser..

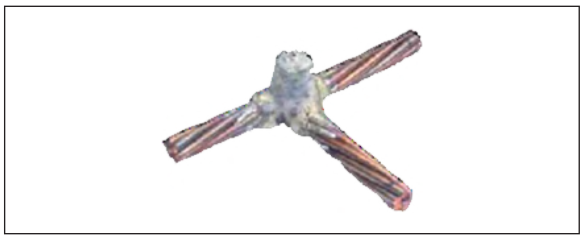
Good Welds



Acceptable Welds



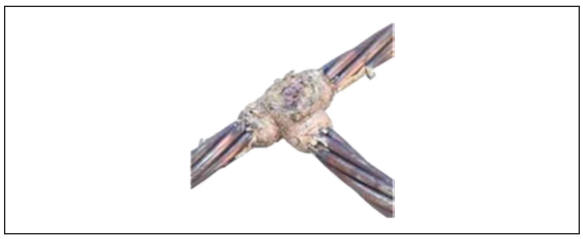
Fill is lower than normal, but still sufficient.



The presence of water/moisture in conductor strands or mould the weld is little porous, the degree of porosity is not sufficient to reject this connection.

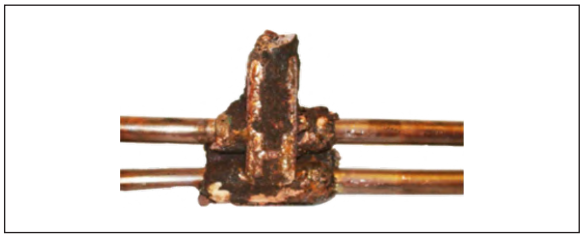
Reject Welds

A worn or incorrect mould was used, allowing leakage around conductor. The fill in this connection is insufficient to allow it as acceptable. Replacement of mould is required prior to making next connection.



Excessive water in cable strands or mould.

Rejected weld due to under filling. Body of weld is too low.



Too much slag inclusion in the weld body.

General & Safety Instructions :

- Only those equipment and materials specified in the instruction sheets should be used to make weld connections.
- Failure to comply with these instructions may result in improper and unsafe weld joints, damage to items being welded, to equipment & property or even injury to body.
- Do not use worn or broken equipment which could cause leakage. Sealing compound should be used in case of fine leakages.
- Do not use welding material if the package is damaged or not fully intact.
- Personnel should be properly trained and must wear safety glasses and gloves.
- Avoid any contact with hot materials.
- Advise all other personnel to stand at least 10 feet away from the site of welding operations.
- All inflammable material must be removed or enclosed properly from the operation site to safeguard against fire hazards.
- The area of welding operations should be adequately ventilated.
- Smoking in the area of welding operations must be totally prohibited.
- Avoid direct eye contact with "flash" of light from ignition of starting material.
- Welding material is an exothermic mixture and reacts to produce hot molten material with temperatures in excess of 1400°C (2550°F) and a localized release of smoke. Ignition temperatures are in excess of 900°C (1650°F) for welding material. These materials are not explosive.
- Adhering to all safety norms for welding procedures will minimize risk of burns and fire caused by hot molten material spillage. In case of fire, use of water or CO2 will aid in control of burning containers. Large quantities of water will aid in controlling a fire should the exothermic materials become involved. Water should be sprayed from a distance.
- All governing codes and regulations and those rules required by the job site must be observed. Always use appropriate safety equipment such as eye protection, hard hat and gloves.

WARNING :

- Products shall be installed and used only as indicated in product instruction sheets.
- Products must never be used for a purpose other than the purpose for which they were designed or in a manner that exceeds specified load ratings.
- All instructions must be completely followed to ensure proper and safe installation and performance.
- Improper installation, misuse, misapplication or other failure to comply with instructions and warnings may cause bad weld joint, property damage or even serious body injuries.

MAINTENANCE & STORAGE INSTRUCTIONS :

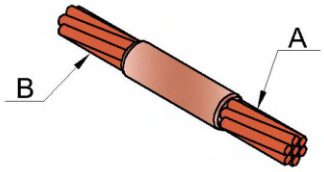
- A mould is usually good for 50 connections in field conditions.
- The moulds are fragile and should be handled carefully while in use.
- Cleaning of moulds should be done using appropriate brush / tool only after the mould is reasonably cooled down after a weld operation. Cleaning of hot moulds must be avoided.
- Cleaning the cavity of the mould should be carefully done by trained personnel only, to avoid damages or chipping.
- On completion of all welds, the mould should be cleaned thoroughly from inside and outside using a soft cloth. It should be wrapped in bubble plastic sheet & stored in a safe place.
- The moulds and the weld powder should always be stored in a cool & dry place.
- All tools and accessories must also be cleaned before storing them.

Problems & Trouble Shooting Guides during field installations of HEXWELD Connections

Problem	Possible Causes	Probable Solution
The mould doesn't close tightly.	Handle Clamp is not fitted properly.	Check & adjust the Handle Clamp.
	Conductors are out of round or bent.	Straighten the conductors.
	Dirt or slag in mould parting line surfaces.	Clean the parting line surfaces.
The welded joint is covered with excessive slag.	Weld material leaking past the disk. Disk is not seated properly.	Install the disk properly. (NB: Small amount of slag is acceptable in weld body.)
	Chipped graphite at tap hole.	Change the mould.
The conductors do not weld.	Conductors were not properly cleaned and dried.	Dry conductors with flame torch.
		Remove oxides with a wire brush.
	Conductors not properly placed in the mould.	Place the conductors properly in the mould.
The welding material leaks around the conductor.	Mould cavities are worn out.	Change the mould.
The welded joint has 'fins'— weld metal is lost.	Improper clamping of mould.	Install the Handle Clamp properly or clamp the mould with a C clamp.

Horizontal Straight Cable to Cable Connections (HWCC-1)

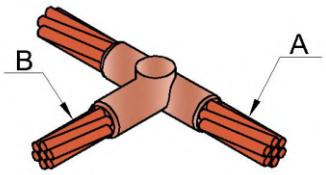
A	B	Product Code	
mm2		Welding Material	Standard Mould
10	10	#032	HWCC-1-10-10
16	16	#032	HWCC-1-16-16
25	25	#032	HWCC-1-25-25
35	35	#032	HWCC-1-35-35
50	50	#045	HWCC-1-50-50
70	70	#065	HWCC-1-70-70
95	95	#090	HWCC-1-95-95
100	100	#090	HWCC-1-100-100
120	120	#115	HWCC-1-120-120
150	150	#115	HWCC-1-150-150
185	185	#150	HWCC-1-185-185
240	240	#200	HWCC-1-240-240
300	300	#250	HWCC-1-300-300
400	400	#150 X 2	HWCC-1-400-400
500	500	#200 X 2	HWCC-1-500-500



PS : Other types of connections, configuration or size of conductors are available on request.

Horizontal Tee Cable to Cable Connections (HWCC-2)

A	B	Product Code	
mm2		Welding Material	Standard Mould
10	10	#045	HWCC-2-10-10
16	16	#045	HWCC-2-16-16
25	16	#045	HWCC-2-25-16
25	25	#045	HWCC-2-25-25
35	16	#045	HWCC-2-35-16
35	25	#045	HWCC-2-35-25
35	35	#045	HWCC-2-35-35
50	16	#065	HWCC-2-50-16
50	25	#065	HWCC-2-50-25
50	35	#065	HWCC-2-50-35
50	50	#090	HWCC-2-50-50
70	25	#065	HWCC-2-70-25
70	35	#065	HWCC-2-70-35
70	50	#090	HWCC-2-70-50
70	70	#090	HWCC-2-70-70



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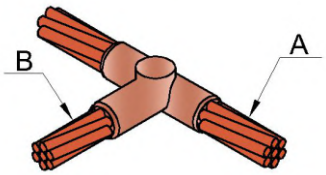
Horizontal Tee Cable to Cable Connections (HWCC-2)



A	B	Product Code	
mm2		Welding Material	Standard Mould
95	25	#090	HWCC-2-95-25
95	35	#090	HWCC-2-95-35
95	50	#090	HWCC-2-95-50
95	70	#090	HWCC-2-95-70
95	95	#115	HWCC-2-95-95
100	35	#090	HWCC-2-100-35
100	50	#090	HWCC-2-100-50
100	70	#090	HWCC-2-100-70
100	95	#115	HWCC-2-100-95
100	100	#115	HWCC-2-100-100
120	25	#090	HWCC-2-120-25
120	35	#090	HWCC-2-120-35
120	50	#090	HWCC-2-120-50
120	70	#090	HWCC-2-120-70
120	95	#115	HWCC-2-120-95
120	100	#150	HWCC-2-120-100
120	120	#150	HWCC-2-120-120
150	70	#090	HWCC-2-150-70
150	95	#150	HWCC-2-150-95
150	100	#150	HWCC-2-150-100
150	120	#150	HWCC-2-150-120
150	150	#200	HWCC-2-150-150
185	95	#150	HWCC-2-185-95
185	100	#150	HWCC-2-185-100
185	120	#200	HWCC-2-185-120
185	150	#200	HWCC-2-185-150
185	185	#200	HWCC-2-185-185
240	100	#200	HWCC-2-240-100
240	120	#200	HWCC-2-240-120
240	150	#200	HWCC-2-240-150
240	185	#200	HWCC-2-240-185
240	240	#150 X 2	HWCC-2-240-240
300	150	#250	HWCC-2-300-150
300	185	#250	HWCC-2-300-185
300	240	#200 X 2	HWCC-2-300-240
300	300	#200 X 2	HWCC-2-300-300

PS : Other types of connections, configuration or size of conductors are available on request.

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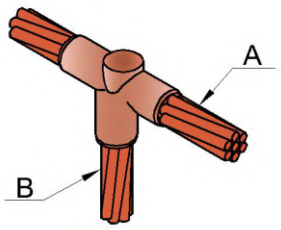
Vertical Tee Cable to Cable Connections (HWCC-3)

A	B	Product Code	
mm2		Welding Material	Standard Mould
10	10	#045	HWCC-3-10-10
16	16	#045	HWCC-3-16-16
25	16	#045	HWCC-3-25-16
25	25	#045	HWCC-3-25-25
35	16	#045	HWCC-3-35-16
35	25	#045	HWCC-3-35-25
35	35	#045	HWCC-3-35-35
50	16	#065	HWCC-3-50-16
50	25	#065	HWCC-3-50-25
50	35	#065	HWCC-3-50-35
50	50	#090	HWCC-3-50-50
70	25	#065	HWCC-3-70-25
70	35	#065	HWCC-3-70-35
70	50	#090	HWCC-3-70-50
70	70	#090	HWCC-3-70-70
95	25	#090	HWCC-3-95-25
95	35	#090	HWCC-3-95-35
95	50	#090	HWCC-3-95-50
95	70	#090	HWCC-3-95-70
95	95	#115	HWCC-3-95-95
100	35	#090	HWCC-3-100-35
100	50	#090	HWCC-3-100-50
100	70	#090	HWCC-3-100-70
100	95	#115	HWCC-3-100-95
100	100	#115	HWCC-3-100-100
120	25	#090	HWCC-3-120-25
120	35	#090	HWCC-3-120-35
120	50	#090	HWCC-3-120-50
120	70	#090	HWCC-3-120-70
120	95	#115	HWCC-3-120-95
120	100	#115	HWCC-3-120-100
120	120	#150	HWCC-3-120-120
150	70	#090	HWCC-3-150-70
150	95	#150	HWCC-3-150-95
150	100	#150	HWCC-3-150-100
150	120	#150	HWCC-3-150-120
150	150	#200	HWCC-3-150-150



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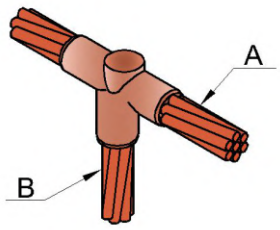
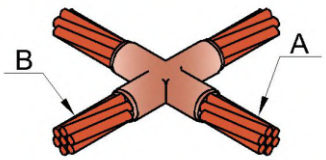
Vertical Tee Cable to Cable Connections (HWCC-3)



A	B	Product Code	
mm2		Welding Material	Standard Mould
185	95	#150	HWCC-3-185-95
185	100	#150	HWCC-3-185-100
185	120	#200	HWCC-3-185-120
185	150	#200	HWCC-3-185-150
185	185	#200	HWCC-3-185-185
240	100	#200	HWCC-3-240-100
240	120	#200	HWCC-3-240-120
240	150	#200	HWCC-3-240-150
240	185	#200	HWCC-3-240-185
240	240	#150 X 2	HWCC-3-240-240
300	150	#250	HWCC-3-300-150
300	185	#250	HWCC-3-300-185
300	240	#200 X 2	HWCC-3-300-240
300	300	#200 X 2	HWCC-3-300-300

PS : Other types of connections, configuration or size of conductors are available on request.

Horizontal Cross Cable to Cable Connections (HWCC-4)



A	B	Product Code	
mm2		Welding Material	Standard Mould
10	10	#045	HWCC-4-10-10
16	16	#045	HWCC-4-16-16
25	16	#045	HWCC-4-25-16
25	25	#045	HWCC-4-25 -25
35	16	#065	HWCC-4-35-16
35	25	#065	HWCC-4-35-25
35	35	#065	HWCC-4-35-35
50	25	#090	HWCC-4-50-25
50	35	#090	HWCC-4-50-35
50	50	#090	HWCC-4-50-50
70	35	#115	HWCC-4-70-35
70	50	#115	HWCC-4-70-50
70	70	#115	HWCC-4-70-70
95	35	#115	HWCC-4-95-35
95	50	#115	HWCC-4-95-50
95	70	#150	HWCC-4-95-70
95	95	#150	HWCC-4-95-95

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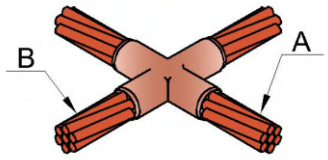
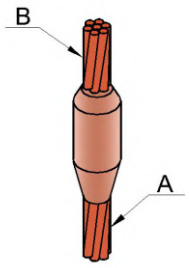
Horizontal Cross Cable to Cable Connections (HWCC-4)

A	B	Product Code	
mm2		Welding Material	Standard Mould
100	35	#115	HWCC-4-100-35
100	50	#115	HWCC-4-100-50
100	70	#150	HWCC-4-100-70
100	95	#150	HWCC-4-100-95
100	100	#150	HWCC-4-100-100
120	35	#115	HWCC-4-120-35
120	50	#150	HWCC-4-120-50
120	70	#150	HWCC-4-120-70
120	95	#200	HWCC-4-120-95
120	100	#200	HWCC-4-120-100
120	120	#200	HWCC-4-120-120
150	35	#115	HWCC-4-150-35
150	50	#150	HWCC-4-150-50
150	70	#150	HWCC-4-150-70
150	95	#200	HWCC-4-150-95
150	100	#200	HWCC-4-150-100
150	120	#250	HWCC-4-150-120
150	150	#250	HWCC-4-150-150
185	50	#200	HWCC-4-185-50
185	70	#200	HWCC-4-185-70
185	95	#200	HWCC-4-185-95
185	100	#200	HWCC-4-185-100
185	120	#250	HWCC-4-185-120
185	150	#250	HWCC-4-185-150
185	185	#250	HWCC-4-185-185
240	50	#250	HWCC-4-240-50
240	70	#250	HWCC-4-240-70
240	95	#150 X 2	HWCC-4-240-95
240	100	#150 X 2	HWCC-4-240-100
240	120	#150 X 2	HWCC-4-240-120
240	150	#200 X 2	HWCC-4-240-150
240	185	#200 X 2	HWCC-4-240-185
240	240	#250 X 2	HWCC-4-240-240



PS : Other types of connections, configuration or size of conductors are available on request.

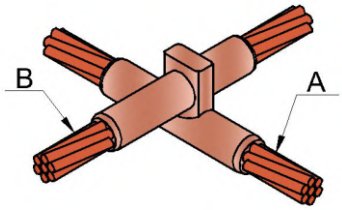
Vertical Straight Cable to Cable Connections (HWCC-5)



A	B	Product Code	
mm2		Welding Material	Standard Mould
10	10	#032	HWCC-5-10-10
16	16	#032	HWCC-5-16-16
25	25	#032	HWCC-5-25-25
35	35	#032	HWCC-5-35-35
50	50	#045	HWCC-5-50-50
70	70	#065	HWCC-5-70-70
95	95	#090	HWCC-5-95-95
100	100	#090	HWCC-5-100-100
120	120	#115	HWCC-5-120-120
150	150	#115	HWCC-5-150-150
185	185	#150	HWCC-5-185-185
240	240	#200	HWCC-5-240-240
300	300	#250	HWCC-5-300-300
400	400	#150 X 2	HWCC-5-400-400
500	500	#200 X 2	HWCC-5-500-500

PS : Other types of connections, configuration or size of conductors are available on request.

Crossover Cable to Cable Connections (HWCC-11)



A	B	Product Code	
mm2		Welding Material	Standard Mould
10	10	#045	HWCC-11-10-10
16	16	#045	HWCC-11-16-16
25	16	#065	HWCC-11-25-16
25	25	#065	HWCC-11-25-25
35	16	#065	HWCC-11-35-16
35	25	#065	HWCC-11-35-25
35	35	#090	HWCC-11-35-35
50	16	#115	HWCC-11-50-16
50	25	#115	HWCC-11-50-25
50	35	#115	HWCC-11-50-35
50	50	#150	HWCC-11-50-50
70	25	#150	HWCC-11-70-25
70	35	#150	HWCC-11-70-35
70	50	#200	HWCC-11-70-50
70	70	#200	HWCC-11-70-70

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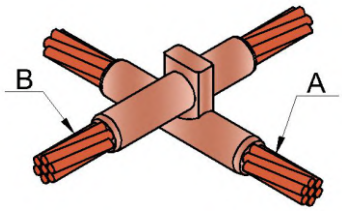
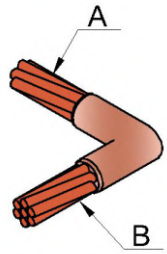
Crossover Cable to Cable Connections (HWCC-11)

A	B	Product Code	
mm2		Welding Material	Standard Mould
95	25	#150	HWCC-11-95-25
95	35	#150	HWCC-11-95-35
95	50	#200	HWCC-11-95-50
95	70	#200	HWCC-11-95-70
95	95	#250	HWCC-11-95-95
100	35	#150	HWCC-11-100-35
100	50	#200	HWCC-11-100-50
100	70	#250	HWCC-11-100-70
100	95	#250	HWCC-11-100-95
100	100	#250	HWCC-11-100-100
120	25	#150	HWCC-11-120-25
120	35	#150	HWCC-11-120-35
120	50	#250	HWCC-11-120-50
120	70	#250	HWCC-11-120-70
120	95	#150 X 2	HWCC-11-120-95
120	100	#150 X 2	HWCC-11-120-100
120	120	#150 X 2	HWCC-11-120-120
150	70	#250	HWCC-11-150-70
150	95	#150 X 2	HWCC-11-150-95
150	100	#150 X 2	HWCC-11-150-100
150	120	#200 X 2	HWCC-11-150-120
150	150	#200 X 2	HWCC-11-150-150
185	70	#150 X 2	HWCC-11-185-70
185	95	#200 X 2	HWCC-11-185-95
185	100	#200 X 2	HWCC-11-185-100
185	120	#250 X 2	HWCC-11-185-120
185	150	#250 X 2	HWCC-11-185-150
185	185	#250 X 2	HWCC-11-185-185
240	70	#200 X 2	HWCC-11-240-70
240	95	#250 X 2	HWCC-11-240-95
240	100	#250 X 2	HWCC-11-240-100
240	120	#250 X 2	HWCC-11-240-120
240	150	#200 X 3	HWCC-11-240-150
240	185	#200 X 3	HWCC-11-240-185
240	240	#250 X 3	HWCC-11-240-240



PS : Other types of connections, configuration or size of conductors are available on request.

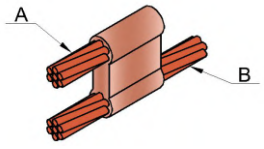
Horizontal L Cable to Cable Connections (HWCC-26)



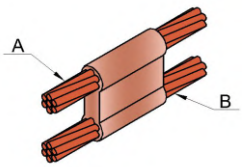
A	B	Product Code	
mm2		Welding Material	Standard Mould
35	35	#032	HWCC-26-35-35
70	70	#065	HWCC-26-70-70
70	120	#090	HWCC-26-70-120
120	120	#090	HWCC-26-120-120
240	240	#250	HWCC-26-240-240

PS : Other types of connections, configuration or size of conductors are available on request.

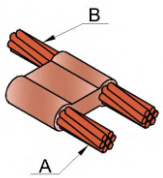
Other Cable to Cable Connections



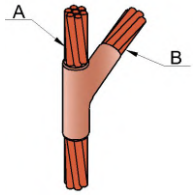
HWCC - 6



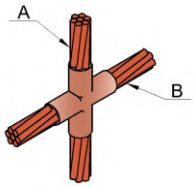
HWCC - 7



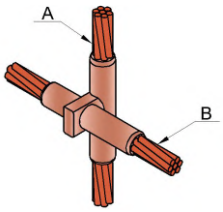
HWCC - 13



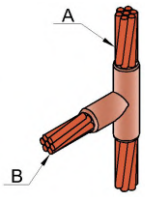
HWCC - 17



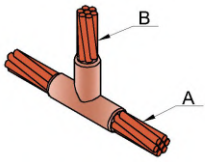
HWCC - 22



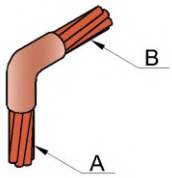
HWCC - 23



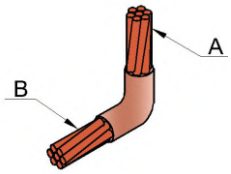
HWCC - 24



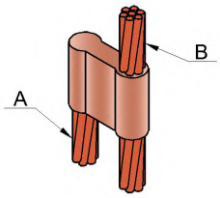
HWCC – 25



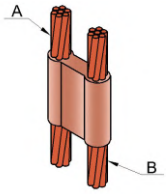
HWCC – 27



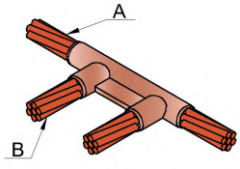
HWCC – 28



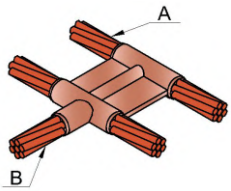
HWCC – 31



HWCC –34



HWCC – 35



HWCC – 36

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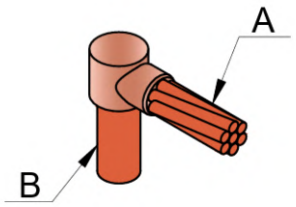
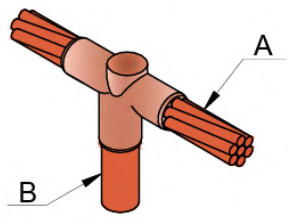
Vertical L Cable to Rod Connections (HWCR-1)

A		B-Ø	Product Code	
mm2	AWG		Welding Material	Standard Mould
10	#8	12.7	#065	HWCR-1-10-127
16	#6	12.7	#065	HWCR-1-16-127
25	#4	12.7	#065	HWCR-1-25-127
35	#2	12.7	#065	HWCR-1-35-127
50	1/0	12.7	#065	HWCR-1-50-127
70	2/0	12.7	#090	HWCR-1-70-127
95	3/0	12.7	#090	HWCR-1-95-127
100	3/0	12.7	#090	HWCR-1-100-127
120	4/0	12.7	#090	HWCR-1-120-127
16	#6	14.2	#065	HWCR-1-16-142
25	#4	14.2	#065	HWCR-1-25-142
35	#2	14.2	#065	HWCR-1-35-142
50	1/0	14.2	#090	HWCR-1-50-142
70	2/0	14.2	#090	HWCR-1-70-142
95	3/0	14.2	#090	HWCR-1-95-142
100	3/0	14.2	#090	HWCR-1-100-142
120	4/0	14.2	#090	HWCR-1-120-142
150	300 MCM	14.2	#115	HWCR-1-150-142
185	350 MCM	14.2	#115	HWCR-1-185-142
240	500 MCM	14.2	#150	HWCR-1-240-142
16	#6	17.2	#065	HWCR-1-16-172
25	#4	17.2	#090	HWCR-1-25-172
35	#2	17.2	#090	HWCR-1-35-172
50	1/0	17.2	#090	HWCR-1-50-172
70	2/0	17.2	#090	HWCR-1-70-172
95	3/0	17.2	#090	HWCR-1-95-172
100	3/0	17.2	#090	HWCR-1-100-172
120	4/0	17.2	#090	HWCR-1-120-172
150	300 MCM	17.2	#115	HWCR-1-150-172
185	350 MCM	17.2	#115	HWCR-1-185-172
240	500 MCM	17.2	#150	HWCR-1-240-172
300	600 MCM	17.2	#200	HWCR-1-300-172



PS : Other types of connections, configuration or size of conductors are available on request.

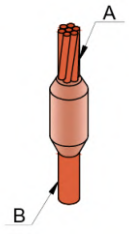
Vertical Tee Cable to Rod Connections (HWCR-2)



A		B-Ø	Product Code	
mm2	AWG		Welding Material	Standard Mould
16	#6	14.2	#065	HWCR-2-16-142
25	#4	14.2	#090	HWCR-2-25-142
35	#2	14.2	#090	HWCR-2-35-142
50	1/0	14.2	#090	HWCR-2-50-142
70	2/0	14.2	#115	HWCR-2-70-142
95	3/0	14.2	#115	HWCR-2-95-142
120	4/0	14.2	#115	HWCR-2-120-142
125	250 MCM	14.2	#150	HWCR-2-125-142
150	300 MCM	14.2	#200	HWCR-2-150-142
185	350 MCM	14.2	#200	HWCR-2-185-142
240	500 MCM	14.2	#250	HWCR-2-240-142
16	#6	17.2	#065	HWCR-2-16-172
25	#4	17.2	#090	HWCR-2-25-172
35	#2	17.2	#090	HWCR-2-35-172
50	1/0	17.2	#115	HWCR-2-50-172
70	2/0	17.2	#115	HWCR-2-70-172
95	3/0	17.2	#115	HWCR-2-95-172
120	4/0	17.2	#115	HWCR-2-120-172
125	250 MCM	17.2	#150	HWCR-2-125-172
150	300 MCM	17.2	#200	HWCR-2-150-172
185	350 MCM	17.2	#200	HWCR-2-185-172
240	500 MCM	17.2	#250	HWCR-2-240-172
400	750 MCM	17.2	#200X2	HWCR-2-400-172

PS : Other types of connections, configuration or size of conductors are available on request.

Vertical Straight Cable to Rod Connections (HWCR-5)



A		B-Ø	Product Code	
mm2	AWG		Welding Material	Standard Mould
50	1/0	14.2	#115	HWCR-5-50-142
95	3/0	14.2	#115	HWCR-5-95-142
70	2/0	17.2	#115	HWCR-5-70-172
120	4/0	17.2	#150	HWCR-5-120-172

PS : Other types of connections, configuration or size of conductors are available on request.

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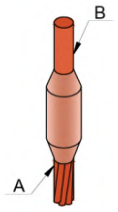
Vertical Straight Cable to Rod Connections (HWCR-6)

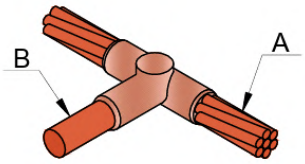
A		B-Ø	Product Code	
mm2	AWG		Welding Material	Standard Mould
50	1/0	14.2	#115	HWCR-6-50-142
95	3/0	14.2	#115	HWCR-6-95-142
70	2/0	17.2	#115	HWCR-6-70-172
120	4/0	17.2	#150	HWCR-6-120-172



PS : Other types of connections, configuration or size of conductors are available on request.

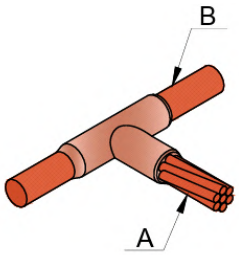
Horizontal Tee Cable to Rod Connections (HWCR-8)

A		B-Ø	Product Code	
mm2	AWG		Welding Material	Standard Mould
16	#6	14.2	#065	HWCR-8-16-142
25	#4	14.2	#090	HWCR-8-25-142
35	#2	14.2	#090	HWCR-8-35-142
50	1/0	14.2	#090	HWCR-8-50-142
70	2/0	14.2	#115	HWCR-8-70-142
95	3/0	14.2	#115	HWCR-8-95-142
120	4/0	14.2	#115	HWCR-8-120-142
125	250 MCM	14.2	#150	HWCR-8-125-142
150	300 MCM	14.2	#200	HWCR-8-150-142
185	350 MCM	14.2	#200	HWCR-8-185-142
240	500 MCM	14.2	#250	HWCR-8-240-142
16	#6	17.2	#065	HWCR-8-16-172
25	#4	17.2	#090	HWCR-8-25-172
35	#2	17.2	#090	HWCR-8-35-172
50	1/0	17.2	#115	HWCR-8-50-172
70	2/0	17.2	#115	HWCR-8-70-172
95	3/0	17.2	#115	HWCR-8-95-172
120	4/0	17.2	#115	HWCR-8-120-172
125	250 MCM	17.2	#150	HWCR-8-125-172
150	300 MCM	17.2	#200	HWCR-8-150-172
185	350 MCM	17.2	#200	HWCR-8-185-172
240	500 MCM	17.2	#250	HWCR-8-240-172
400	750 MCM	17.2	#200X2	HWCR-8-400-172



PS : Other types of connections, configuration or size of conductors are available on request.

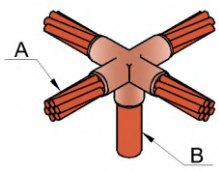
Horizontal Tee Cable to Rod Connections (HWCR-12)



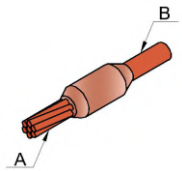
A		B-Ø	Product Code	
mm2	AWG		Welding Material	Standard Mould
16	#6	14.2	#065	HWCR-12-16-142
25	#4	14.2	#090	HWCR-12-25-142
35	#2	14.2	#090	HWCR-12-35-142
50	1/0	14.2	#090	HWCR-12-50-142
70	2/0	14.2	#115	HWCR-12-70-142
95	3/0	14.2	#115	HWCR-12-95-142
120	4/0	14.2	#115	HWCR-12-120-142
125	250 MCM	14.2	#150	HWCR-12-125-142
150	300 MCM	14.2	#200	HWCR-12-150-142
185	350 MCM	14.2	#200	HWCR-12-185-142
240	500 MCM	14.2	#250	HWCR-12-240-142
16	#6	17.2	#065	HWCR-12-16-172
25	#4	17.2	#090	HWCR-12-25-172
35	#2	17.2	#090	HWCR-12-35-172
50	1/0	17.2	#115	HWCR-12-50-172
70	2/0	17.2	#115	HWCR-12-70-172
95	3/0	17.2	#115	HWCR-12-95-172
120	4/0	17.2	#115	HWCR-12-120-172
125	250 MCM	17.2	#150	HWCR-12-125-172
150	300 MCM	17.2	#200	HWCR-12-150-172
185	350 MCM	17.2	#200	HWCR-12-185-172
240	500 MCM	17.2	#250	HWCR-12-240-172
400	750 MCM	17.2	#200X2	HWCR-12-400-172

PS : Other types of connections, configuration or size of conductors are available on request.

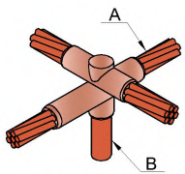
Other Cable to Rod Connections



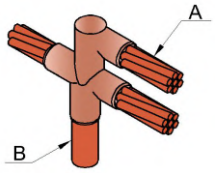
HWCR - 4



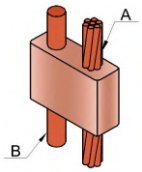
HWCR - 7



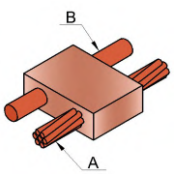
HWCR - 10



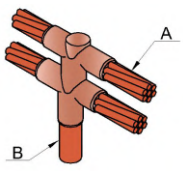
HWCR - 17



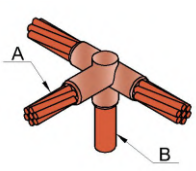
HWCR - 19



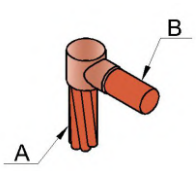
HWCR - 23



HWCR - 24



HWCR - 25



HWCR - 38

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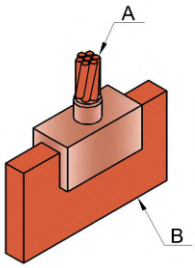
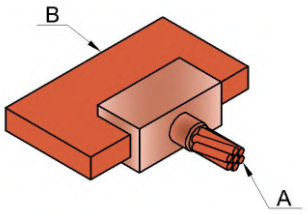
Vertical Cable to Tape Connections (HWCT-2)

A-Ø		B	Product Code	
mm2	AWG	MM X MM	Welding Material	Standard Mould
10	#8	20 X 2	#045	HWCT-2-10-202
16	#6	20 X 2	#045	HWCT-2-16-202
16	#6	20 X 3	#045	HWCT-2-16-203
16	#6	25 X 3	#045	HWCT-2-16-253
25	#4	20 X 2	#065	HWCT-2-25-202
25	#4	20 X 3	#065	HWCT-2-25-203
25	#4	25 X 3	#065	HWCT-2-25-253
35	#2	20 X 2	#090	HWCT-2-35-202
35	#2	20 X 3	#090	HWCT-2-35-203
35	#2	25 X 3	#090	HWCT-2-35-253
50	1/0	20 X 3	#115	HWCT-2-50-203
50	1/0	25 X 2	#115	HWCT-2-50-252
50	1/0	25 X 3	#115	HWCT-2-50-253
70	2/0	25 X 3	#115	HWCT-2-70-253
70	2/0	25 X 4	#115	HWCT-2-70-254
70	2/0	25 X 6	#150	HWCT-2-70-256
95	3/0	25 X 4	#115	HWCT-2-95-254
95	3/0	25 X 5	#150	HWCT-2-95-255
95	3/0	25 X 6	#150	HWCT-2-95-256
120	4/0	25 X 5	#150	HWCT-2-120-255
120	4/0	25 X 6	#150	HWCT-2-120-256
120	4/0	30 X 5	#150	HWCT-2-120-305
150	300 MCM	25 X 6	#200	HWCT-2-150-256
150	300 MCM	30 X 5	#200	HWCT-2-150-305
150	300 MCM	40 X 5	#200	HWCT-2-150-405
185	350 MCM	30 X 6	#200	HWCT-2-185-306
185	350 MCM	40 X 5	#200	HWCT-2-185-405
185	350 MCM	50 X 6	#200	HWCT-2-185-506
240	500 MCM	50 X 5	#150 X 2	HWCT-2-240-505
240	500 MCM	50 X 6	#150 X 2	HWCT-2-240-506
300	600 MCM	50 X 6	#200 X 2	HWCT-2-300-506
300	600 MCM	50 X 8	#200 X 2	HWCT-2-300-508



PS : Other types of connections, configuration or size of conductors are available on request.

Horizontal Cable to Tape Connections (HWCT-4)



A-Ø		B	Product Code	
mm2	AWG	MM X MM	Welding Material	Standard Mould
10	#8	20 X 2	#045	HWCT-4-10-202
16	#6	20 X 2	#045	HWCT-4-16-202
16	#6	20 X 3	#045	HWCT-4-16-203
16	#6	25 X 3	#045	HWCT-4-16-253
25	#4	20 X 2	#065	HWCT-4-25-202
25	#4	20 X 3	#065	HWCT-4-25-203
25	#4	25 X 3	#065	HWCT-4-25-253
35	#2	20 X 2	#090	HWCT-4-25-202
35	#2	20 X 3	#090	HWCT-4-25-203
35	#2	25 X 3	#090	HWCT-4-25-253
50	1/0	20 X 3	#115	HWCT-4-50-203
50	1/0	25 X 2	#115	HWCT-4-50-252
50	1/0	25 X 3	#115	HWCT-4-50-253
70	2/0	25 X 3	#115	HWCT-4-70-253
70	2/0	25 X 4	#115	HWCT-4-70-254
70	2/0	25 X 6	#150	HWCT-4-70-256
95	3/0	25 X 4	#115	HWCT-4-95-254
95	3/0	25 X 5	#150	HWCT-4-95-255
95	3/0	25 X 6	#150	HWCT-4-95-256
120	4/0	25 X 5	#150	HWCT-4-120-255
120	4/0	25 X 6	#150	HWCT-4-120-256
120	4/0	30 X 5	#150	HWCT-4-120-305
150	300 MCM	25 X 6	#200	HWCT-4-150-256
150	300 MCM	30 X 5	#200	HWCT-4-150-305
150	300 MCM	40 X 5	#200	HWCT-4-150-405
185	350 MCM	30 X 6	#200	HWCT-4-185-306
185	350 MCM	40 X 5	#200	HWCT-4-185-405
185	350 MCM	50 X 6	#200	HWCT-4-185-506
240	500 MCM	50 X 5	#150 X 2	HWCT-4-240-505
240	500 MCM	50 X 6	#150 X 2	HWCT-4-240-506
300	600 MCM	50 X 6	#200 X 2	HWCT-4-300-506
300	600 MCM	50 X 8	#200 X 2	HWCT-4-300-508

PS : Other types of connections, configuration or size of conductors are available on request.

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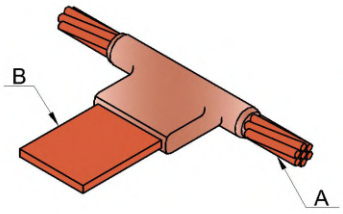
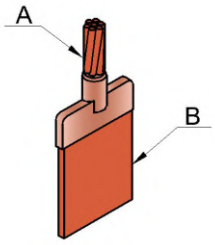
Horizontal Tee Cable to Tape Connections (HWCT-5)

A-Ø		B	Product Code	
mm2	AWG	MM X MM	Welding Material	Standard Mould
10	#8	20 X 2	#045	HWCT-5-10-202
16	#6	20 X 2	#045	HWCT-5-16-202
16	#6	20 X 3	#045	HWCT-5-16-203
16	#6	25 X 3	#065	HWCT-5-16-253
25	#4	20 X 2	#045	HWCT-5-25-202
25	#4	20 X 3	#045	HWCT-5-25-203
25	#4	25 X 3	#065	HWCT-5-25-253
35	#2	20 X 2	#045	HWCT-5-35-202
35	#2	20 X 3	#045	HWCT-5-35-203
35	#2	25 X 3	#065	HWCT-5-35-253
50	1/0	20 X 3	#065	HWCT-5-50-203
50	1/0	25 X 2	#065	HWCT-5-50-252
50	1/0	25 X 3	#065	HWCT-5-50-253
70	2/0	25 X 3	#090	HWCT-5-70-253
70	2/0	25 X 4	#115	HWCT-5-70-254
70	2/0	25 X 6	#115	HWCT-5-70-256
95	3/0	25 X 4	#150	HWCT-5-95-254
95	3/0	25 X 5	#150	HWCT-5-95-255
95	3/0	25 X 6	#150	HWCT-5-95-256
100	3/0	25 X 4	#150	HWCT-5-100-254
100	3/0	25 X 5	#150	HWCT-5-100-255
100	3/0	25 X 6	#150	HWCT-5-100-256
120	4/0	25 X 5	#150	HWCT-5-120-255
120	4/0	25 X 6	#150	HWCT-5-120-256
120	4/0	30 X 5	#200	HWCT-5-120-305
150	300 MCM	25 X 6	#200	HWCT-5-150-256
150	300 MCM	30 X 5	#200	HWCT-5-150-305
150	300 MCM	40 X 5	#250	HWCT-5-150-405
185	350 MCM	30 X 6	#250	HWCT-5-185-306
185	350 MCM	40 X 5	#250	HWCT-5-185-405
185	350 MCM	50 X 5	#150 X 2	HWCT-5-185-505
240	500 MCM	50 X 5	#150 X 2	HWCT-5-240-505
240	500 MCM	50 X 6	#200 X 2	HWCT-5-240-506
300	600 MCM	50 X 6	#250 X 2	HWCT-5-300-506
300	600 MCM	50 X 8	#250 X 2	HWCT-5-300-508



PS : Other types of connections, configuration or size of conductors are available on request.

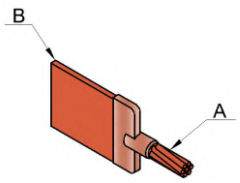
Vertical Cable to Tape Connections (HWCT-8)



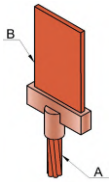
A-Ø		B	Product Code	
mm2	AWG	MM X MM	Welding Material	Standard Mould
25	#4	25 X 3	#032	HWCT-8-25-253
25	#4	25 X 4	#045	HWCT-8-25-254
35	#2	25 X 3	#032	HWCT-8-35-253
35	#2	25 X 4	#065	HWCT-8-35-254
50	1/0	25 X 3	#045	HWCT-8-50-253
50	1/0	25 X 4	#065	HWCT-8-50-254
50	1/0	25 X 6	#065	HWCT-8-50-256
70	2/0	25 X 3	#045	HWCT-8-70-253
70	2/0	25 X 4	#065	HWCT-8-70-254
70	2/0	25 X 6	#090	HWCT-8-70-256
95	3/0	25 X 3	#065	HWCT-8-95-253
95	3/0	25 X 4	#090	HWCT-8-95-254
95	3/0	25 X 6	#090	HWCT-8-95-256

PS : Other types of connections, configuration or size of conductors are available on request.

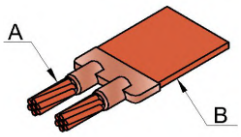
Other Cable to Tape Connections



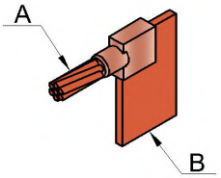
HWCT - 6



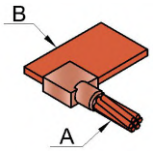
HWCT - 9



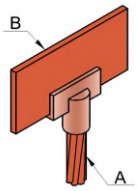
HWCT - 12



HWCT - 21



HWCT - 22



HWCT - 28

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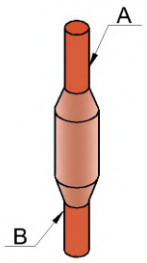
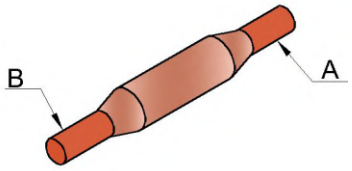
Vertical Straight Rod to Rod Connections (HWRR-1)

A-Ø	B-Ø	Product Code	
		Welding Material	Standard Mould
8	8	#115	HWRR-1-8-8
10	8	#115	HWRR-1-10-8
10	10	#115	HWRR-1-10-10
12	8	#150	HWRR-1-12-8
12	10	#150	HWRR-1-12-10
12	12	#150	HWRR-1-12-12
14	8	#150	HWRR-1-14-8
14	10	#150	HWRR-1-14-10
14	12	#150	HWRR-1-14-12
14	14	#150	HWRR-1-14-14
16	8	#200	HWRR-1-16-8
16	10	#200	HWRR-1-16-10
16	12	#200	HWRR-1-16-12
16	14	#200	HWRR-1-16-14
16	16	#200	HWRR-1-16-16
19	8	#250	HWRR-1-19-8
19	10	#250	HWRR-1-19-10
19	12	#150X2	HWRR-1-19-12
19	14	#150X2	HWRR-1-19-14
19	16	#150X2	HWRR-1-19-16
19	18	#150X2	HWRR-1-19-18
20	8	#150X2	HWRR-1-20-8
20	10	#150X2	HWRR-1-20-10
20	12	#150X2	HWRR-1-20-12
20	14	#200X2	HWRR-1-20-14
20	16	#200X2	HWRR-1-20-16
20	18	#200X2	HWRR-1-20-18
20	20	#200X2	HWRR-1-20-20



PS : Other types of connections, configuration or size of conductors are available on request.

Horizontal Straight Rod to Rod Connections (HWRR-2)

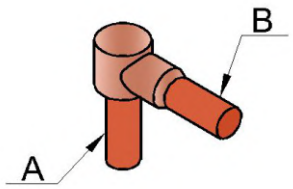


A-Ø	B-Ø	Product Code	
		Welding Material	Standard Mould
8	8	#115	HWRR-2-8-8
10	8	#115	HWRR-2-10-8
10	10	#115	HWRR-2-10-10
12	8	#150	HWRR-2-12-8
12	10	#150	HWRR-2-12-10
12	12	#150	HWRR-2-12-12
14	8	#150	HWRR-2-14-8
14	10	#150	HWRR-2-14-10
14	12	#150	HWRR-2-14-12
14	14	#150	HWRR-2-14-14
16	8	#200	HWRR-2-16-8
16	10	#200	HWRR-2-16-10
16	12	#200	HWRR-2-16-12
16	14	#200	HWRR-2-16-14
16	16	#200	HWRR-2-16-16
18	8	#250	HWRR-2-18-8
18	10	#250	HWRR-2-18-10
18	12	#150X2	HWRR-2-18-12
18	14	#150X2	HWRR-2-18-14
18	16	#150X2	HWRR-2-18-16
18	18	#150X2	HWRR-2-18-18
20	8	#150X2	HWRR-2-20-8
20	10	#150X2	HWRR-2-20-10
20	12	#150X2	HWRR-2-20-12
20	14	#200X2	HWRR-2-20-14
20	16	#200X2	HWRR-2-20-16
20	18	#200X2	HWRR-2-20-18
20	20	#200X2	HWRR-2-20-20

PS : Other types of connections, configuration or size of conductors are available on request.

Vertical L Rod to Rod Connections (HWRR-4)

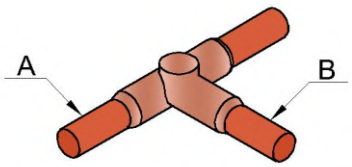
A-Ø	B-Ø	Product Code	
		Welding Material	Standard Mould
12.7	8	#090	HWRR-4-127-8
12.7	10	#090	HWRR-4-127-10
14.2	8	#150	HWRR-4-142-8
14.2	10	#150	HWRR-4-142-10
14.2	12	#150	HWRR-4-142-12
17.2	8	#150	HWRR-4-172-8
17.2	10	#200	HWRR-4-172-10
17.2	12	#200	HWRR-4-172-12
17.2	14	#200	HWRR-4-172-14
20	8	#250	HWRR-4-20-8
20	10	#250	HWRR-4-20-10
20	12	#150X2	HWRR-4-20-12
20	14	#150X2	HWRR-4-20-14



PS : Other types of connections, configuration or size of conductors are available on request.

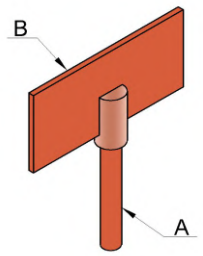
Horizontal Tee Rod to Rod Connections (HWRR-10)

A-Ø	B-Ø	Product Code	
		Welding Material	Standard Mould
8	8	#090	HWRR-10-8-8
10	8	#090	HWRR-10-10-8
10	10	#090	HWRR-10-10-10
12	8	#150	HWRR-10-12-8
12	10	#150	HWRR-10-12-10
12	12	#150	HWRR-10-12-12
14	8	#150	HWRR-10-14-8
14	10	#150	HWRR-10-14-10
14	12	#150	HWRR-10-14-12
14	14	#200	HWRR-10-14-14
16	8	#150	HWRR-10-16-8
16	10	#200	HWRR-10-16-10
16	12	#200	HWRR-10-16-12
16	14	#200	HWRR-10-16-14
16	16	#250	HWRR-10-16-16
19	8	#200	HWRR-10-19-8
19	10	#200	HWRR-10-19-10
19	12	#150X2	HWRR-10-19-12
19	14	#150X2	HWRR-10-19-14
19	16	#150X2	HWRR-10-19-16
19	18	#150X2	HWRR-10-19-18
20	8	#150X2	HWRR-10-20-8
20	10	#150X2	HWRR-10-20-10
20	12	#200X2	HWRR-10-20-12
20	14	#200X2	HWRR-10-20-14
20	16	#200X2	HWRR-10-20-16
20	18	#200X2	HWRR-10-20-18
20	20	#200X2	HWRR-10-20-20



PS : Other types of connections, configuration or size of conductors are available on request.

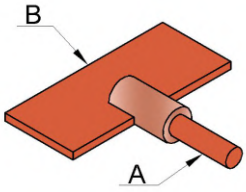
Vertical Rod to Tape Connections (HWRT-2)



A-Ø	B	Product Code	
	mm X mm	Welding Material	Standard Mould
12.7	25 X 4	#115	HWRT-2-127-254
12.7	40 X 4	#150X2	HWRT-2-127-404
12.7	50 X 4	#150X2	HWRT-2-127-504
12.7	50 X 5	#200X2	HWRT-2-127-505
14.2	25 X 3	#150	HWRT-2-142-253
14.2	25 X 4	#150	HWRT-2-142-254
14.2	25 X 6	#150	HWRT-2-142-256
14.2	40 X 4	#250	HWRT-2-142-404
14.2	40 X 6	#150X2	HWRT-2-142-406
14.2	50 X 3	#200X2	HWRT-2-142-503
14.2	50 X 6	#200X2	HWRT-2-142-506
17.2	25 X 3	#200	HWRT-2-172-253
17.2	40 X 3	#150X2	HWRT-2-172-403

PS : Other types of connections, configuration or size of conductors are available on request.

Horizontal Rod to Tape Connections (HWRT-4)



A-Ø	B	Product Code	
	mm X mm	Welding Material	Standard Mould
12.7	25 X 4	#115	HWRT-4-127-254
12.7	40 X 4	#150X2	HWRT-4-127-404
12.7	50 X 4	#150X2	HWRT-4-127-504
12.7	50 X 5	#200X2	HWRT-4-127-505
14.2	25 X 3	#150	HWRT-4-142-253
14.2	25 X 4	#150	HWRT-4-142-254
14.2	25 X 6	#150	HWRT-4-142-256
14.2	40 X 4	#250	HWRT-4-142-404
14.2	40 X 6	#150X2	HWRT-4-142-406
14.2	50 X 3	#200X2	HWRT-4-142-503
14.2	50 X 6	#200X2	HWRT-4-142-506
17.2	25 X 3	#200	HWRT-4-172-253
17.2	40 X 3	#150X2	HWRT-4-172-403

PS : Other types of connections, configuration or size of conductors are available on request.

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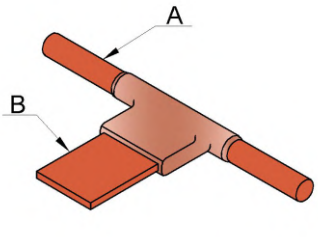
Horizontal Tee Rod to Tape Connections (HWRT-5)

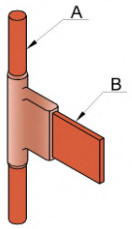
A-Ø	B	Product Code	
	mm X mm	Welding Material	Standard Mould
14.2	20 X 3	#150	HWRT-5-142-203
17.2	25 X 3	#150	HWRT-5-172-253
20	25 X 6	#150	HWRT-5-20-256
20	60 X 5	#200X2	HWRT-5-20-605



PS : Other types of connections, configuration or size of conductors are available on request.

Vertical Tee Rod to Tape Connections (HWRT-8)

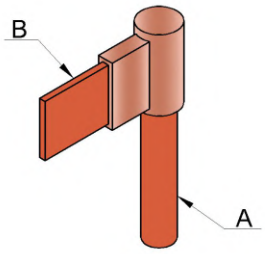
A-Ø	B	Product Code	
	mm X mm	Welding Material	Standard Mould
14.2	20 X 3	#150	HWRT-8-142-203
17.2	25 X 3	#150	HWRT-8-172-253
20	25 X 6	#150	HWRT-8-20-256
20	60 X 5	#200X2	HWRT-8-20-605



PS : Other types of connections, configuration or size of conductors are available on request.

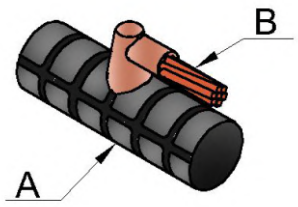
Vertical L Rod to Tape Connections (HWRT-12)

A-Ø	B	Product Code	
	mm X mm	Welding Material	Standard Mould
12.7	20 X 3	#090	HWRT-12-127-203
12.7	25 X 3	#090	HWRT-12-127-253
12.7	35 X 3	#115	HWRT-12-127-353
12.7	50 X 3	#150	HWRT-12-127-503
14.2	20 X 3	#150	HWRT-12-142-203
14.2	25 X 3	#150	HWRT-12-142-253
14.2	35 X 3	#150	HWRT-12-142-353
14.2	50 X 3	#200	HWRT-12-142-503
17.2	20 X 3	#150	HWRT-12-172-203
17.2	25 X 3	#200	HWRT-12-172-253
17.2	35 X 3	#200	HWRT-12-172-353
17.2	50 X 3	#150x2	HWRT-12-172-503



PS : Other types of connections, configuration or size of conductors are available on request.

Horizontal Parallel Cable to Re-Bar Connections (HWCB-1)



A-Ø	B		Product Code	
	mm2	AWG	Welding Material	Standard Mould
10	25	#4	#045	HWCB-1-10-25
10	35	#2	#065	HWCB-1-10-35
10	50	1/0	#090	HWCB-1-10-50
10	70	2/0	#090	HWCB-1-10-70
10	95	3/0	#115	HWCB-1-10-95
13	35	#2	#065	HWCB-1-13-35
13	50	1/0	#090	HWCB-1-13-50
13	70	2/0	#090	HWCB-1-13-70
13	95	3/0	#115	HWCB-1-13-95
13	120	4/0	#150	HWCB-1-13-120
16	35	#2	#065	HWCB-1-16-35
16	50	1/0	#090	HWCB-1-16-50
16	70	2/0	#090	HWCB-1-16-70
16	95	3/0	#115	HWCB-1-16-95
16	120	4/0	#150	HWCB-1-16-120
16	150	300 MCM	#150	HWCB-1-16-150
19	50	1/0	#090	HWCB-1-19-50
19	70	2/0	#090	HWCB-1-19-70
22	50	1/0	#090	HWCB-1-22-50
22	95	3/0	#115	HWCB-1-22-95
22	120	4/0	#150	HWCB-1-22-120
25	50	1/0	#090	HWCB-1-25-50
25	70	2/0	#090	HWCB-1-25-70
25	95	3/0	#115	HWCB-1-25-95
25	120	4/0	#150	HWCB-1-25-120
32	35	#2	#065	HWCB-1-32-35
32	50	1/0	#090	HWCB-1-32-50
32	70	2/0	#090	HWCB-1-32-70
32	95	3/0	#115	HWCB-1-32-95
32	120	4/0	#150	HWCB-1-32-120

PS : Other types of connections, configuration or size of conductors are available on request.

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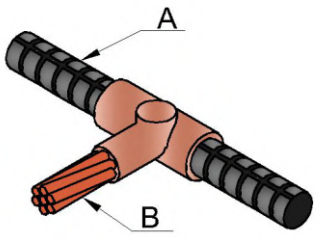
Horizontal Tee Cable to Re-Bar Connections (HWCB-2)

A-Ø	B		Product Code	
	mm2	AWG	Welding Material	Standard Mould
6	70	2/0	#115	HWCB-2-6-70
8	120	4/0	#115	HWCB-2-8-120
10	50	1/0	#115	HWCB-2-10-50
10	95	3/0	#150	HWCB-2-10-95
10	120	4/0	#150	HWCB-2-10-120
13	16	#6	#065	HWCB-2-13-16
13	25	#4	#090	HWCB-2-13-25
13	35	#2	#090	HWCB-2-13-35
13	50	1/0	#115	HWCB-2-13-50
13	70	2/0	#115	HWCB-2-13-70
13	95	3/0	#150	HWCB-2-13-95
13	120	4/0	#150	HWCB-2-13-120
16	16	#6	#090	HWCB-2-16-16
16	25	#4	#090	HWCB-2-16-25
16	35	#2	#090	HWCB-2-16-35
16	50	1/0	#115	HWCB-2-16-50
16	70	2/0	#115	HWCB-2-16-70
16	95	3/0	#150	HWCB-2-16-95
16	120	4/0	#150	HWCB-2-16-120
16	150	300 MCM	#150	HWCB-2-16-150
19	25	#4	#090	HWCB-2-19-25
19	35	#2	#090	HWCB-2-19-35
19	50	1/0	#115	HWCB-2-19-50
19	70	2/0	#115	HWCB-2-19-70
19	95	3/0	#150	HWCB-2-19-95
19	120	4/0	#150	HWCB-2-19-120
22	50	1/0	#115	HWCB-2-22-50
22	70	2/0	#115	HWCB-2-22-70
22	95	3/0	#150	HWCB-2-22-95
22	120	4/0	#150	HWCB-2-22-120
25	35	#2	#115	HWCB-2-25-35
25	50	1/0	#115	HWCB-2-25-50
25	70	2/0	#150	HWCB-2-25-70
25	95	3/0	#150	HWCB-2-25-95
25	120	4/0	#150	HWCB-2-25-120
25	150	300 MCM	#150	HWCB-2-25-150
32	120	4/0	#150	HWCB-2-32-120
32	150	300 MCM	#150	HWCB-2-32-150



PS : Other types of connections, configuration or size of conductors are available on request.

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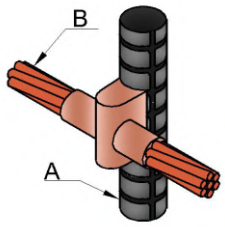
Vertical Crossover Tee Cable to Re-Bar Connections (HWCB-3)

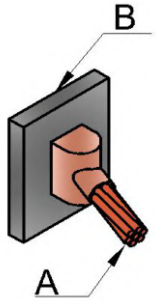


A-Ø	B		Product Code	
	mm2	AWG	Welding Material	Standard Mould
8	95	3/0	#150	HWCB-3-8-95
10	25	#4	#090	HWCB-3-10-25
10	35	#2	#090	HWCB-3-10-35
10	50	1/0	#115	HWCB-3-10-50
10	95	3/0	#150	HWCB-3-10-95
13	35	#2	#090	HWCB-3-13-35
13	50	1/0	#115	HWCB-3-13-50
13	70	2/0	#115	HWCB-3-13-70
16	35	#2	#090	HWCB-3-16-35
16	50	1/0	#115	HWCB-3-16-50
16	70	2/0	#115	HWCB-3-16-70
16	95	3/0	#150	HWCB-3-16-95
19	35	#2	#090	HWCB-3-19-35
19	70	2/0	#115	HWCB-3-19-70
22	35	#2	#090	HWCB-3-22-35
22	50	1/0	#115	HWCB-3-22-50
22	70	2/0	#115	HWCB-3-22-70
25	35	#2	#090	HWCB-3-25-35
25	50	1/0	#115	HWCB-3-25-50
25	70	2/0	#115	HWCB-3-25-70
25	95	3/0	#150	HWCB-3-25-95
25	120	4/0	#150	HWCB-3-25-120
32	95	3/0	#150	HWCB-3-32-95

PS : Other types of connections, configuration or size of conductors are available on request.

Angular Cable to Vertical Steel Surface Connections (HWCS-3)

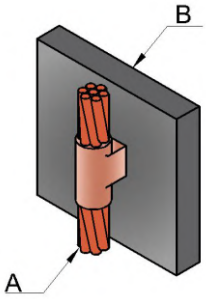
A-Ø		B	Product Code	
mm2	AWG		Welding Material	Standard Mould
10	#8	STEEL SURFACE	#045	HWCS-3-10
16	#6	STEEL SURFACE	#045	HWCS-3-16
25	#4	STEEL SURFACE	#065	HWCS-3-25
35	#2	STEEL SURFACE	#065	HWCS-3-35
50	1/0	STEEL SURFACE	#090	HWCS-3-50
70	2/0	STEEL SURFACE	#090	HWCS-3-70
95	3/0	STEEL SURFACE	#115	HWCS-3-95
100	3/0	STEEL SURFACE	#115	HWCS-3-100
120	4/0	STEEL SURFACE	#150	HWCS-3-120
150	300MCM	STEEL SURFACE	#150	HWCS-3-150
185	350MCM	STEEL SURFACE	#200	HWCS-3-185
240	500MCM	STEEL SURFACE	#250	HWCS-3-240
300	600MCM	STEEL SURFACE	#250	HWCS-3-300



PS : Other types of connections, configuration or size of conductors are available on request.

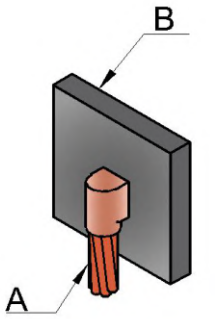
Vertical Cable Through Steel Surface Connections (HWCS-4)

A-Ø		B	Product Code	
mm2	AWG		Welding Material	Standard Mould
10	#8	STEEL SURFACE	#045	HWCS-4-10
16	#6	STEEL SURFACE	#065	HWCS-4-16
25	#4	STEEL SURFACE	#090	HWCS-4-25
35	#2	STEEL SURFACE	#115	HWCS-4-35
50	1/0	STEEL SURFACE	#150	HWCS-4-50
70	2/0	STEEL SURFACE	#150	HWCS-4-70
95	3/0	STEEL SURFACE	#150	HWCS-4-95
100	3/0	STEEL SURFACE	#200	HWCS-4-100
120	4/0	STEEL SURFACE	#200	HWCS-4-120
150	300MCM	STEEL SURFACE	#250	HWCS-4-150
185	350MCM	STEEL SURFACE	#250	HWCS-4-185
240	500MCM	STEEL SURFACE	#150X2	HWCS-4-240



PS : Other types of connections, configuration or size of conductors are available on request.

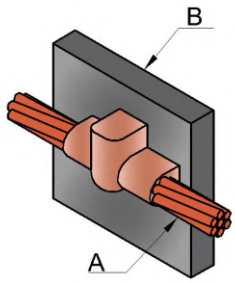
Vertical Cable to Steel Surface Connections (HWCS-25)



A-Ø		B	Product Code	
mm2	AWG		Welding Material	Standard Mould
10	#8	STEEL SURFACE	#045	HWCS-25-10
16	#6	STEEL SURFACE	#065	HWCS-25-16
25	#4	STEEL SURFACE	#065	HWCS-25-25
35	#2	STEEL SURFACE	#090	HWCS-25-35
50	1/0	STEEL SURFACE	#115	HWCS-25-50
70	2/0	STEEL SURFACE	#115	HWCS-25-70
95	3/0	STEEL SURFACE	#150	HWCS-25-95
100	3/0	STEEL SURFACE	#150	HWCS-25-100
120	4/0	STEEL SURFACE	#200	HWCS-25-120
150	300MCM	STEEL SURFACE	#200	HWCS-25-150
185	350MCM	STEEL SURFACE	#250	HWCS-25-185
240	500MCM	STEEL SURFACE	#150X2	HWCS-25-240
300	600MCM	STEEL SURFACE	#150X2	HWCS-25-300

PS : Other types of connections, configuration or size of conductors are available on request.

Horizontal Cable Through Vertical Steel Surface Connections (HWCS-27)



A-Ø		B	Product Code	
mm2	AWG		Welding Material	Standard Mould
10	#8	STEEL SURFACE	#045	HWCS-27-10
16	#6	STEEL SURFACE	#065	HWCS-27-16
25	#4	STEEL SURFACE	#090	HWCS-27-25
35	#2	STEEL SURFACE	#115	HWCS-27-35
50	1/0	STEEL SURFACE	#150	HWCS-27-50
70	2/0	STEEL SURFACE	#150	HWCS-27-70
95	3/0	STEEL SURFACE	#150	HWCS-27-95
100	3/0	STEEL SURFACE	#200	HWCS-27-100
120	4/0	STEEL SURFACE	#200	HWCS-27-120
150	300MCM	STEEL SURFACE	#250	HWCS-27-150
185	350MCM	STEEL SURFACE	#250	HWCS-27-185
240	500MCM	STEEL SURFACE	#150X2	HWCS-27-240
300	600MCM	STEEL SURFACE	#200X2	HWCS-27-300

PS : Other types of connections, configuration or size of conductors are available on request.

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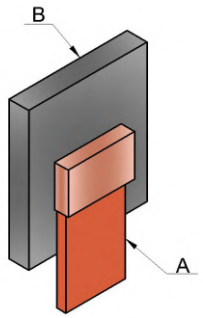
Vertical Tape to Steel Surface Connections (HWTS-1)

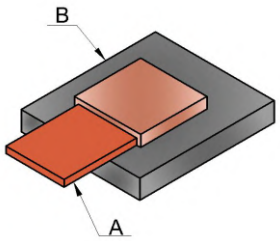
A	B	Product Code	
mm x mm		Welding Material	Standard Mould
25 X 3	STEEL SURFACE	#090	HWTS-1-253
30 X 2	STEEL SURFACE	#090	HWTS-1-302
40 X 4	STEEL SURFACE	#150	HWTS-1-404
40 X 5	STEEL SURFACE	#200	HWTS-1-405
50 X 3	STEEL SURFACE	#150	HWTS-1-503
50 X 6	STEEL SURFACE	#150X2	HWTS-1-506



PS : Other types of connections, configuration or size of conductors are available on request.

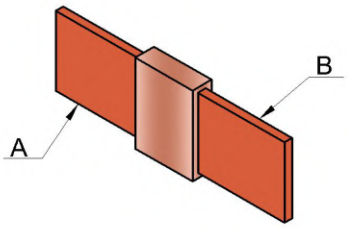
Horizontal Tape to Steel Surface Connections (HWTS-2)

A	B	Product Code	
mm x mm		Welding Material	Standard Mould
30 X 2	STEEL SURFACE	#090	HWTS-2-302
30 X 5	STEEL SURFACE	#200	HWTS-2-305
40 X 4	STEEL SURFACE	#200	HWTS- 2-404



PS : Other types of connections, configuration or size of conductors are available on request.

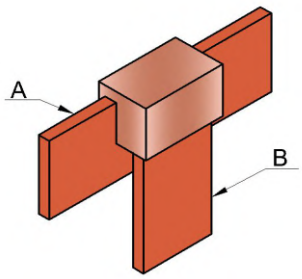
Vertical Straight Tape to Tape Connections (HWTT-1)



A	B	Product Code	
		Welding Material	Standard Mould
1 1/4" X 1/16"	1 1/4" X 1/16"	#115	HWTT-1-114-116
1 1/4" X 1/4"	1 1/4" X 1/4"	#150	HWTT-1-11414-11414
1 1/2" X 1/4"	1 1/2" X 1/4"	#150	HWTT-1-11214-11214
2" X 1/4"	2" X 1/4"	#250	HWTT-1-214-214
3" X 1/4"	3" X 1/4"	#200X2	HWTT-1-314-314
25 X 3	25 X 3	#090	HWTT-1-253-253
25 X 4	25 X 4	#115	HWTT-1-254-254
25 X 6	25 X 6	#115	HWTT-1-256-256
30 X 4	30 X 4	#115	HWTT-1-304-304
30 X 5	30 X 5	#150	HWTT-1-305-305
30 X 6	30 X 6	#115	HWTT-1-306-306
40 X 4	40 X 4	#150	HWTT-1-404-404
40 X 5	40 X 5	#150	HWTT-1-405-405
40 X 6	40 X 6	#150	HWTT-1-406-406
50 X 3	50 X 3	#150	HWTT-1-503-503
50 X 4	25 X 4	#150	HWTT-1-504-254
50 X 4	40 X 3	#150	HWTT-1-504-403
50 X 4	50 X 4	#200	HWTT-1-504-504
50 X 5	50 X 5	#200	HWTT-1-505-505
50 X 6	50 X 6	#250	HWTT-1-506-506

PS : Other types of connections, configuration or size of conductors are available on request.

Vertical Tee Tape to Tape Connections (HWTT-3)



A	B	Product Code	
		Welding Material	Standard Mould
2" X 1/4"	1" X 1/4"	#150	HWTT-3-214-114
2" X 1/4"	1" X 1/8"	#150	HWTT-3-214-118
2" X 1/4"	2" X 1/4"	#200X2	HWTT-3-214-214
3" X 1/4"	3" X 1/4"	#200X2	HWTT-3-314-314
20 X 5	20 X 5	#115	HWTT-3-205-205
25 X 3	25 X 3	#090	HWTT-3-253-253
25 X 4	25 X 4	#115	HWTT-3-254-254
30 X 4	30 X 4	#115	HWTT-3-304-304
35 X 3	35 X 3	#115	HWTT-3-353-353
40 X 3	40 X 3	#150	HWTT-3-403-403
40 X 4	40 X 4	#200	HWTT-3-404-404
50 X 3	50 X 3	#200	HWTT-3-503-503
50 X 4	50 X 4	#150	HWTT-3-504-504
50 X 5	50 X 5	#200	HWTT-3-505-505
50 X 6	50 X 6	#200X2	HWTT-3-506-506

PS : Other types of connections, configuration or size of conductors are available on request.

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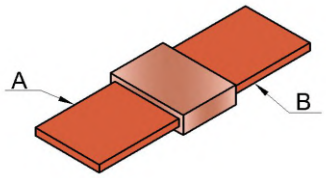
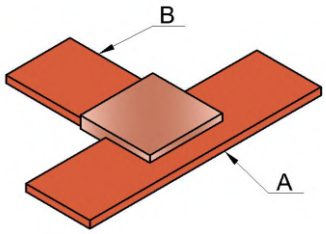
Horizontal Straight Tape to Tape Connections (HWTT-7)

A	B	Product Code	
		Welding Material	Standard Mould
1 1/4" X 1/16"	1 1/4" X 1/16"	#115	HWTT-7-114-116
1 1/4" X 1/4"	1 1/4" X 1/4"	#150	HWTT-7-11414-11414
1 1/2" X 1/4"	1 1/2" X 1/4"	#150	HWTT-7-11214-11214
1" X 1/8"	1" X 1/8"	#090	HWTT-7-118-118
2" X 1/8"	2" X 1/8"	#150	HWTT-7-218-218
2" X 1/4"	2" X 1/4"	#250	HWTT-7-214-214
3" X 1/4"	3" X 1/4"	#200X2	HWTT-7-314-314
5" X 1/2"	5" X 1/2"	#250X5	HWTT-7-512-512
10 X 3	10 X 3	#045	HWTT-7-103-103
20 X 3	20 X 3	#065	HWTT-7-203-203
25 X 3	25 X 3	#090	HWTT-7-253-253
25 X 4	25 X 4	#115	HWTT-7-254-254
25 X 6	25 X 6	#115	HWTT-7-256-256
30 X 2	30 X 2	#045	HWTT-7-302-302
30 X 3	30 X 3	#115	HWTT-7-303-303
30 X 3.5	30 X 3.5	#115	HWTT-7-3035-3035
30 X 4	30 X 4	#115	HWTT-7-304-304
30 X 5	30 X 5	#150	HWTT-7-305-305
30 X 6	30 X 6	#115	HWTT-7-306-306
40 X 3	40 X 3	#115	HWTT-7-403-403
40 X 4	40 X 4	#150	HWTT-7-404-404
40 X 5	40 X 5	#150	HWTT-7-405-405
40 X 6	40 X 6	#150	HWTT-7-406-406
50 X 3	50 X 3	#150	HWTT-7-503-503
50 X 4	25 X 4	#150	HWTT-7-504-254
50 X 4	40 X 3	#150	HWTT-7-504-403
50 X 4	50 X 4	#200	HWTT-7-504-504
50 X 5	50 X 5	#200	HWTT-7-505-505
50 X 5	50 X 8	#150X2	HWTT-7-505-508
50 X 6	50 X 6	#250	HWTT-7-506-506
50 X 6	60 X 8	#200X2	HWTT-7-506-608
60 X 8	60 X 8	#200X2	HWTT-7-608-608
100 X 6	100 X 6	#250X2	HWTT-7-1006-1006
100 X 8	100 X 8	#250X3	HWTT-7-1008-1008



PS : Other types of connections, configuration or size of conductors are available on request.

Horizontal Tee Tape to Tape Connections (HWTT-14)



A	B	Product Code	
		Welding Material	Standard Mould
1/2" X 1/8"	1/2" X 1/8"	#090	HWTT-14-1218-1218
1" X 1/8"	1" X 1/8"	#090	HWTT-14-118-118
1" X 3/16"	1" X 3/16"	#090	HWTT-14-1316-1316
2" X 1/8"	2" X 1/8"	#250	HWTT-14-218-218
2"X 1/4"	2" X 1/8"	#200	HWTT-14-214-218
2"X 1/4"	2" X 1/16"	#250	HWTT-14-214-216
2"X 1/4"	1 1/4" X 1/4"	#150	HWTT-14-214-11414
2"X 1/4"	2" X 1/4"	#250	HWTT-14-214-214
3" X 1/4"	3" X 1/4"	#200X2	HWTT-14-314-314
4" X 1/8"	4" X 1/8"	#200X2	HWTT-14-418-418
4" X 1/4"	4" X 1/4"	#200X3	HWTT-14-414-414
20 X 4	20 X 4	#115	HWTT-14-204-204
20 X 4	40 X 4	#150	HWTT-14-204-404
25 X 2	25 X 2	#090	HWTT-14-252-252
25 X 3	20 X 4	#115	HWTT-14-253-204
25 X 3	25 X 3	#090	HWTT-14-253-253
25 X 3	40 X 4	#150	HWTT-14-253-404
25 X 3	50 X 3	#250	HWTT-14-253-503
25 X 4	25 X 3	#090	HWTT-14-254-253
25 X 4	25 X 4	#115	HWTT-14-254-254
25 X 4	40 X 3	#150	HWTT-14-254-403
25 X 4	60 X 8	#150X2	HWTT-14-254-608
25 X 4	80 X 8	#200X3	HWTT-14-254-808
25 X 6	25 X 6	#150	HWTT-14-256-256
30 X 2	30 X 2	#090	HWTT-14-302-302
30 X 3.5	30 X 3.5	#115	HWTT-14-3035-3035
30 X 4	25 X 4	#115	HWTT-14-304-254
30 X 4	30 X 4	#115	HWTT-14-304-304
30 X 4	40 X 5	#150	HWTT-14-304-405
30 X 5	30 X 5	#115	HWTT-14-305-305
30 X 6	30 X 6	#115	HWTT-14-306-306
35 X 3	35 X 3	#115	HWTT-14-353-353
40 X 3	40 X 3	#150	HWTT-14-403-403
40 X 4	20 X 4	#115	HWTT-14-404-204
40 X 4	30 X 6	#150	HWTT-14-404-306
40 X 4	40 X 4	#150	HWTT-14-404-404
40 X 4	40 X 5	#150	HWTT-14-404-405
40 X 4	50 X 5	#250	HWTT-14-404-505
40 X 4	60 X 8	#150X2	HWTT-14-404-608
40 X 5	40 X 5	#200	HWTT-14-405-405
40 X 6	40 X 6	#200	HWTT-14-406-406

...continued

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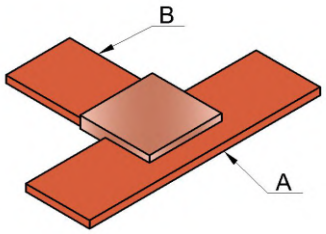
Horizontal Tee Tape to Tape Connections (HWTT-14)

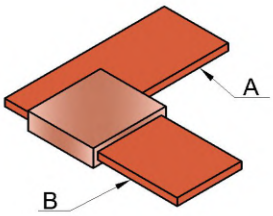
A	B	Product Code	
		Welding Material	Standard Mould
50 X 3	25 X 3	#115	HWTT-14-503-253
50 X 3	25 X 4	#115	HWTT-14-503-254
50 X 3	50 X 3	#200	HWTT-14-503-503
50 X 4	25 X 3	#150	HWTT-14-504-253
50 X 4	25 X 4	#150	HWTT-14-504-254
50 X 4	40 X 3	#150	HWTT-14-504-303
50 X 4	50 X 4	#250	HWTT-14-504-504
50 X 5	40 X 5	#200	HWTT-14-505-405
50 X 5	50 X 5	#250	HWTT-14-505-505
50 X 6	25 X 3	#115	HWTT-14-506-253
50 X 6	40 X 5	#250	HWTT-14-506-405
50 X 6	50 X 6	#250	HWTT-14-506-506
50 X 8	40 X 5	#150X2	HWTT-14-508-405
60 X 5	40 X 3	#250	HWTT-14-605-403
60 X 5	50 X 4	#250	HWTT-14-605-504
60 X 5	60 X 5	#150X2	HWTT-14-605-605
60 X 6	60 X 8	#200X2	HWTT-14-606-608
100 X 8	100 X 8	#250X3	HWTT-14-1008-1008



PS : Other types of connections, configuration or size of conductors are available on request.

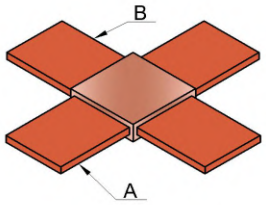
Horizontal L Tape to Tape Connections (HWTT-22)

A	B	Product Code	
		Welding Material	Standard Mould
1" X 1/8"	1" X 1/8"	#065	HWTT-22-118-118
1" X 1/4"	1" X 1/4"	#115	HWTT-22-114-114
2" X 1/8"	2" X 1/8"	#150	HWTT-22-218-218
2"X 1/4"	2"X 1/4"	#250	HWTT-22-214-214
4" X 1/8"	4" X 1/8"	#200X2	HWTT-22-418-418
4" X 1/4"	4" X 1/4"	#250X2	HWTT-22-414-414
25 X 3	25 X 3	#090	HWTT-22-253-253
50 X 6	50 X 6	#250	HWTT-22-506-506



PS : Other types of connections, configuration or size of conductors are available on request.

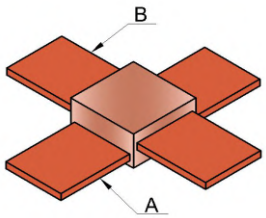
Horizontal Cross Tape to Tape Connections (HWTT-40)



A	B	Product Code	
		Welding Material	Standard Mould
25 X 3	25 X 3	#250	HWTT-40-253-253
25 X 4	25 X 4	#150X2	HWTT-40-254-254
40 X 4	40 X 4	#200X3	HWTT-40-404-404
40 X 6	40 X 6	#250X3	HWTT-40-406-406
50 X 4	50 X 4	#200X3	HWTT-40-504-504
50 X 6	50 X 6	#250X3	HWTT-40-506-506
60 X 8	60 X 8	#200X4	HWTT-40-608-608

PS : Other types of connections, configuration or size of conductors are available on request.

Horizontal Crossover Tape to Tape Connections (HWTT-50)



A	B	Product Code	
		Welding Material	Standard Mould
2" X 1/8"	2" X 1/8"	#150	HWTT-50-218-218
2" X 1/4"	2" X 1/4"	#250	HWTT-50-214-214
10 X 3	10 X 3	#045	HWTT-50-103-103
20 X 3	20 X 3	#090	HWTT-50-203-203
20 X 4	20 X 4	#115	HWTT-50-204-204
25 X 3	25 X 3	#115	HWTT-50-253-253
25 X 3	40 X 4	#150	HWTT-50-253-404
25 X 4	25 X 4	#115	HWTT-50-254-254
30 X 3	30 X 3	#115	HWTT-50-303-303
30 X 3.5	30 X 3.5	#150	HWTT-50-3035-3035
30 X 4	30 X 4	#150	HWTT-50-304-304
30 X 5	30 X 5	#200	HWTT-50-305-305
30 X 6	30 X 6	#200	HWTT-50-306-306
35 X 3	35 X 3	#150	HWTT-50-353-353
40 X 3	40 X 3	#150	HWTT-50-403-403
40 X 4	30 X 4	#150	HWTT-50-404-304
40 X 4	40 X 4	#200	HWTT-50-404-404
40 X 5	30 X 4	#200	HWTT-50-405-304
40 X 5	40 X 5	#250	HWTT-50-405-405
40 X 6	40 X 6	#250	HWTT-50-406-406
50 X 3	50 X 3	#150	HWTT-50-503-503
60 X 5	40 X 4	#200	HWTT-50-605-404

PS : Other types of connections, configuration or size of conductors are available on request.

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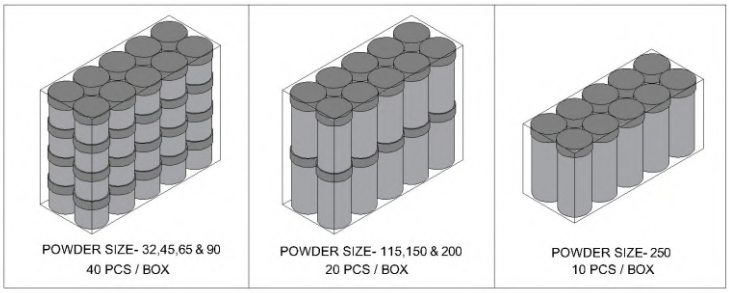
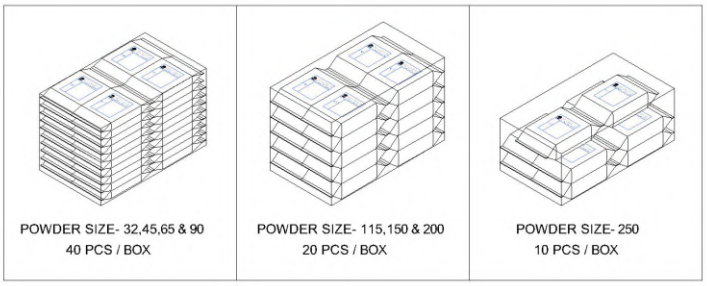
Standard Packing of HEXWELD Welding Material

Container Packing Details



WELDING MATERIAL PRODUCT CODE	INNER BOX QTY(NOS)	OUTER BOX QTY(NOS)
HWPC #045	40	160
HWPC #065	40	160
HWPC #090	40	160
HWPC #115	20	80
HWPC #150	20	80
HWPC #200	20	80
HWPC #250	10	40

Pouch Packing Details



WELDING MATERIAL PRODUCT CODE	INNER BOX QTY(NOS)	OUTER BOX QTY(NOS)
HWPP #045	40	160
HWPP #065	40	160
HWPP #090	40	160
HWPP #115	20	80
HWPP #150	20	80
HWPP #200	20	80
HWPP #250	10	40

Note:

1) Pictures shown above are indicative only. Actual packing may differ & can be changed at our discretion.
2) Use recommended powder for respective joints.

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Company Policy :

Corporate Goal

Maintain a satisfied customer base with quality products that meet application requirements completely.

We aim to secure the existing customers and concurrently augment new customers to the HEX Family.

Company Culture

A quality product is the result of Company culture. The service, the people behind the product, these are the assets that set us apart from the competition.

Technologies

Employ the latest technologies in manufacturing with the intent to increase quality of product, reduce wastage, meet environmental norms and increase production.

Planning

Strict adherence to ABC analysis for production planning and inventory management. We employ ERP tools to integrate our sales, production, purchase and dispatch divisions.

Product Quality

Continuously endeavor to improve product quality and reach a zero defect manufacturing. Contribute to the efficient utilization of the national resources.

HEX Family - Team Work

At HEX house we instill family values into our working environment. We believe, as the individual spends a major part of his day at work, being in a close knit and congenial environment enhances their productivity.

We extend similar values in our dealings with our distributors and channel partners.

IMPORTANT NOTE

HEX takes every precaution to ensure the performance of its products and recommendations given are in good faith. However, HEX cannot control the installation of our products and therefore cannot give any warranty or result obtained. It is the responsibility of the customer to assume all risks and liabilities incurred in the use of HEX products, whether used alone or in conjunction with other products.

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