



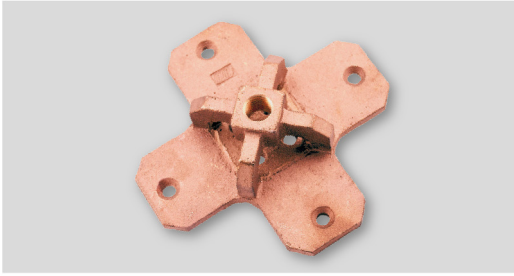
LIGHTNING PROTECTION SYSTEM

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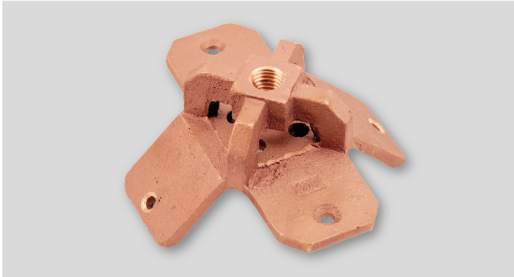
AIR TERMINAL FITTINGS



Flat Saddle

For supporting air terminals on flat surfaces.

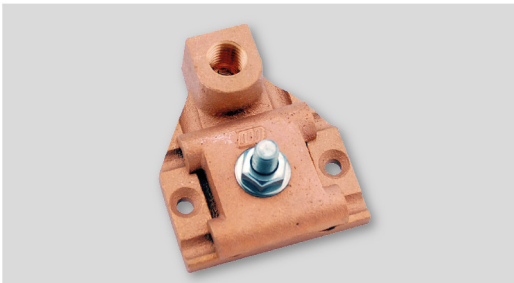
Air Rod Dia. (D) mm.	Thread Dia (D) mm.	Catalogue No.
15	16	FS 115
20	20	FS 120



Ridge Saddle

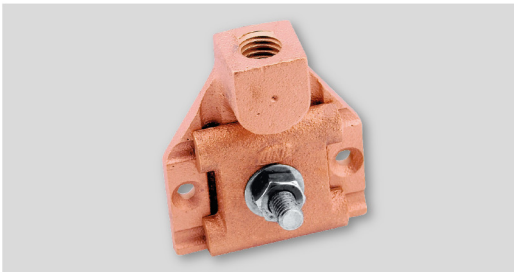
For supporting air terminals on ridge surfaces.

Air Rod Dia. (D) mm.	Thread Dia (D) mm.	Catalogue No.
15	16	RS115
20	20	RS120



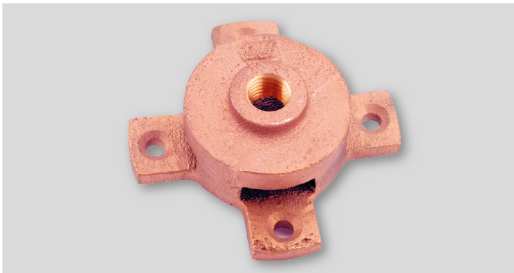
Air Terminal Base (Floor Mounted)

Air Rod Dia. (D) mm.	Thread Dia (D) mm.	Catalogue No.
15	16	BF115
20	20	BF120



Air Terminal Base (Wall Mounted)

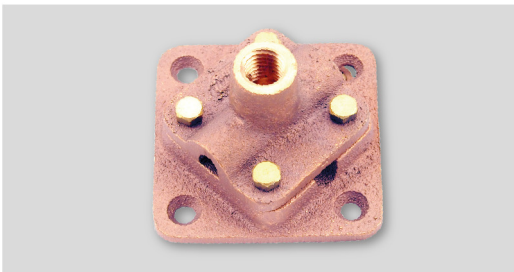
Air Rod Dia. (D) mm.	Thread Dia (D) mm.	Catalogue No.
15	16	BW115
20	20	BW120



Light Duty Air Terminal

For supporting air terminals on flat surfaces.

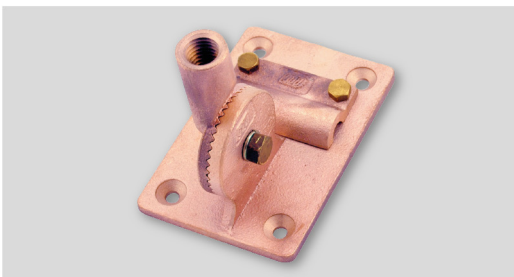
Air Rod Dia. (D) mm.	Thread Dia (D) mm.	Catalogue No.
15	16	LD115
20	20	LD120



Flat Saddle

For supporting air terminals on flat surfaces.

Air Rod Dia. (D) mm.	Conductor (D) mm.	Catalogue No.
15	10	FA115
20	20	FA120



Adjustable Flat Saddle

For supporting air terminals adjustable on flat surfaces.

Air Rod Dia. (D) mm.	Conductor (D) mm.	Catalogue No.
15	10	AA115
20	20	AA120



TAPE SUPPORT FITTINGS



UI Tape Clip

For supporting tape.

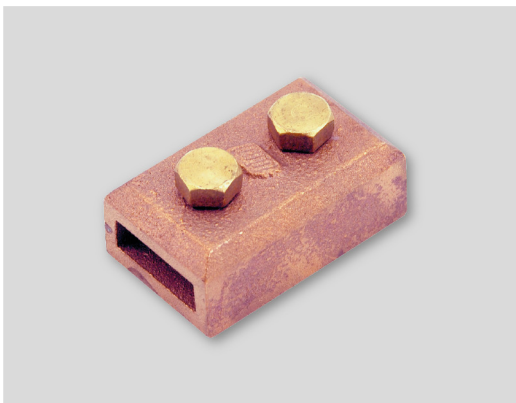
Conductor Size mm.	Conductor Material	Catalogue No.
25 x 3	Copper	UTC 210
50 x 3	Copper	UTC 220
50 x 6	Copper	UTC 225



Glazing Bar Cable Holdfast

For Fixing to steel frame, girders, window frames.

Conductor Size mm.	Conductor Material	Catalogue No.
25 x 3	Copper	GBH 210
50 x 3	Copper	GBH 220
50 x 6	Copper	GBH 225



Oblong Test or Junction Connectors

For forming straight through tape joints

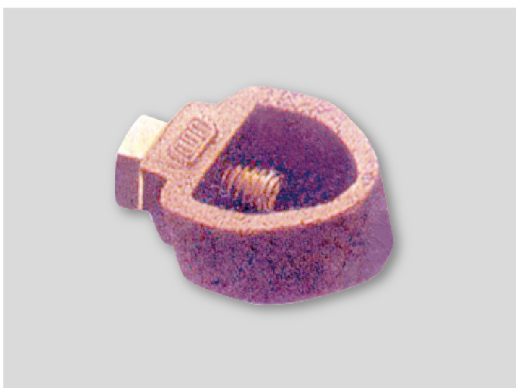
Conductor Max Size mm.	Conductor Material	Catalogue No.
26 x 8	Copper	OTJ 210



Square Tape Clamp

For forming straight through cross or tee joint tapes.

Conductor Size mm.	Conductor Material	Catalogue No.
25 x 3	Copper	STC 210
50 x 3	Copper	STC 220
50 x 6	Copper	STC 225



Rod To Tape Clamp (Type A)

Rod Dia Max. inch mm.	Conductor Size mm.	Catalogue No.
8/5/16	25 x 3	RTC 410



CABLE SUPPORT FITTINGS



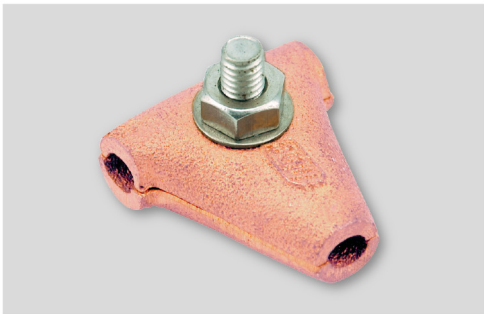
Cable Saddle

Conductor Dia. (D) mm.	Conductor Material	Catalogue No.
8	Copper	CS 310
10	Copper	CS 320



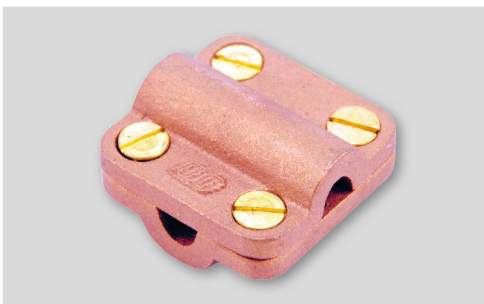
One-Hole Cable Clip

Conductor Dia. (D) mm.	Conductor Material	Catalogue No.
8	Copper	OC 310
10	Copper	OC 320



Tee Clamp

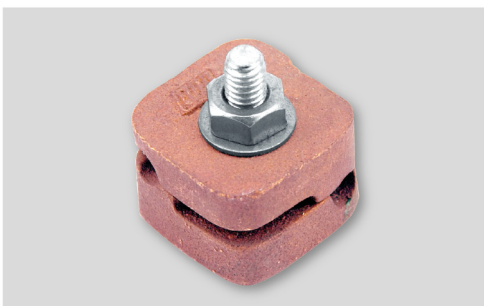
Conductor Dia. (D) mm.	Conductor Material	Catalogue No.
8	Copper	TC 310
10	Copper	TC 320



Square Clamp

For forming straight through, cross or tee joints in cable.

Conductor Dia. (D) mm.	Conductor Material	Catalogue No.
8	Copper	SC 310
10	Copper	SC 320



One Screw Square Clamp

For forming straight through, cross or tee joints in cable.

Conductor Dia. (D) mm.	Conductor Material	Catalogue No.
8	Copper	SC 310
10	Copper	SC 320



Specification

- Steel Core** : 14.2 mm diameter
- Copper jacket thickness** : 0.35 mm
- Copper** : 99.9% pure electrolytic copper
- Screw threads** : 16 mm x 2.0 pitch or 5/8" BSW
- Bases** : High strength cast brass (Copper plated)

THE UNIONWELD PROCESS

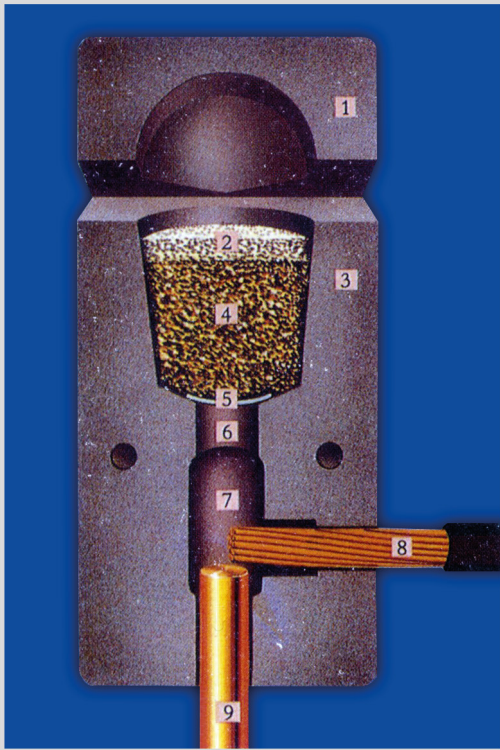
The Unionweld exothermic welding process is a simple, self-contained means of welding copper or steel. Unionweld electrical connections are made inside a semi-permanent graphite mould using the high temperature reaction of powdered copper oxide and aluminium. Mixed and ignited these produce an Aluminium Oxide slag and molten copper. The copper in turn, melts a thin steel disc previously blocking its passage through the mould, and flows through onto the conductors to be joined. The conductors then melt and a fusion weld is formed between them.

An Unionweld is made in seconds, generating far less heat than that employed in brazing or soldering.

An Unionweld can join Stainless Steel, Steel Rail, Copper Clad Steel (Copperbond, Copperweld), Chromax and Galvanised Steel.

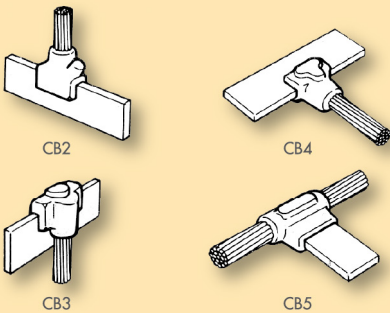
THE UNIONWELD CONNECTION

The majority of Unionweld connections have at least twice the cross sectional area of the conductors welded and an equivalent or greater current carrying capacity. Because the connection is a fusion of virtually pure copper it will withstand high current surges and will not loosen or corrode at the point of weld.

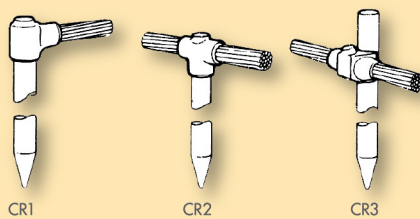


1. Lid
2. Starting Powder
3. Graphite Mould
4. Weld Metal Powder
5. Steel Disc
6. Tap Hole
7. Weld Cavity
8. Cable
9. Earth Rod

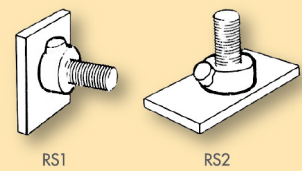
CABLE TO BAR



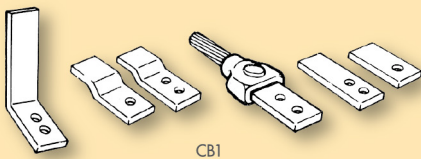
CABLE TO EARTH ROD



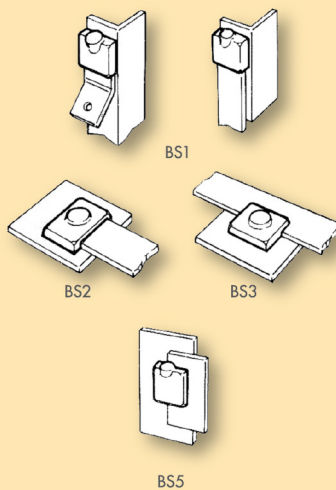
STUD TO STEEL SURFACE



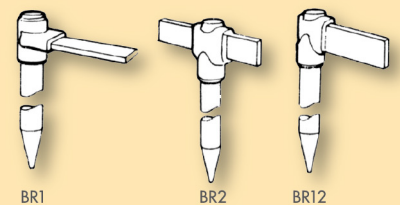
CABLE TO BAR OR LOG



BAR TO STEEL SURFACE



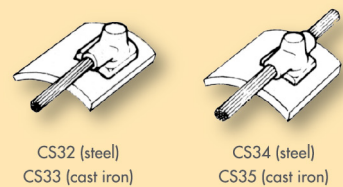
BAR TO EARTH ROD



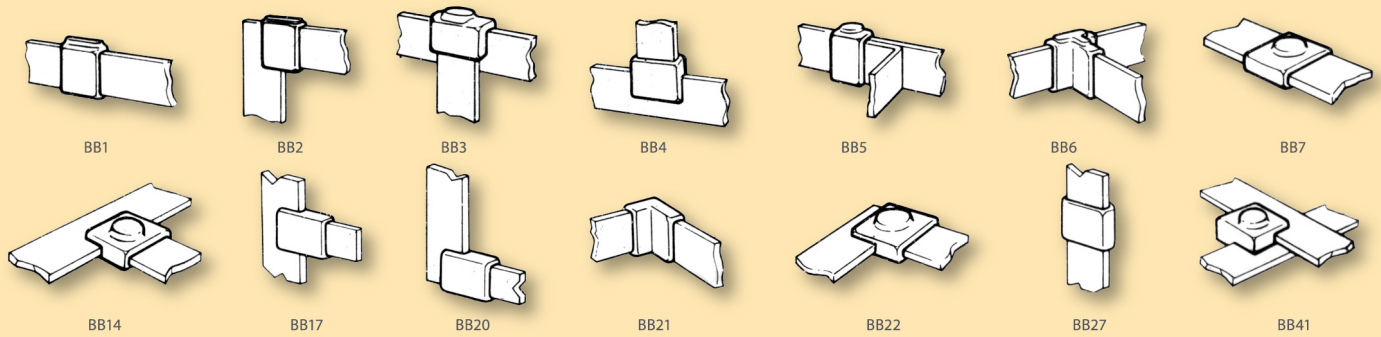
CABLE TO BAR OR LOG



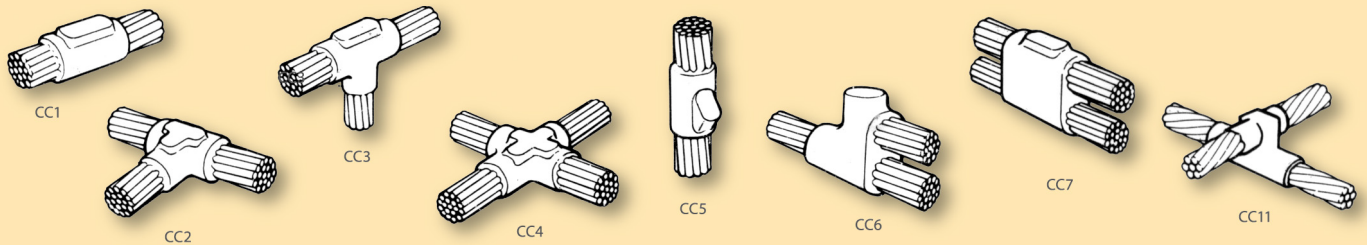
CATHODIC PROTECTION PIPE CONNECTIONS



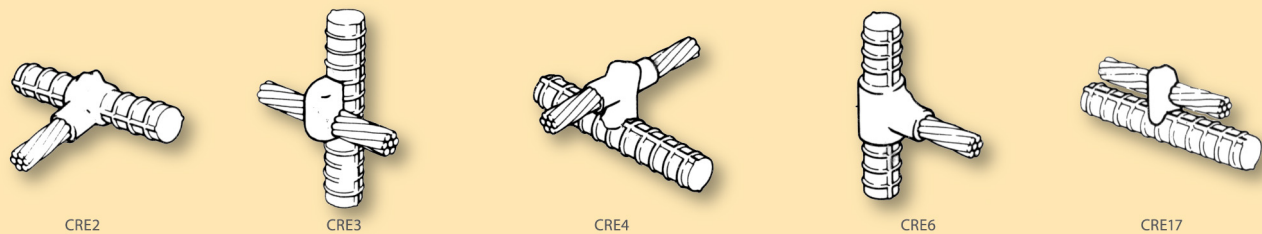
BAR TO BAR



CABLE TO CABLE

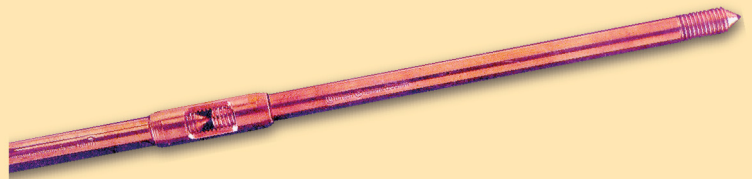


CABLE TO RE-BAR JOINTS



COPPER GROUND RODS

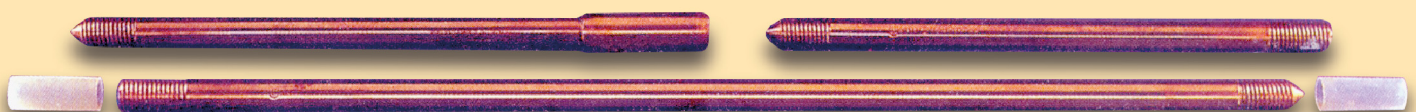
Specification : 16 mm or 5/8" ground rods
 Steel Core : 14.2 mm diameter
 Copper jacket thickness : 0.35 mm
 Copper : 99.9% pure electro lytic copper
 Screw threads : 16 mm x 2.0 pitch or 5/8" BSW



COPPER GROUND RODS

Electric ground rods are mad from strong AISI 1018 carbon steel cores with 99.9% pure electrolytic copper jackets. The copper jackets are hardened after processing to increase mechanical strength and to provide abrasive resistance to soil while being driven into the ground Both ends of the threads are cold rolled to provide high mechanical strength. One end of the rods is machined to provide a driving point to minimize the driving effort.

Electric ground rod copper jackets are made from heavy pure electrolytic copper of 0.35 mm thick capable of carrying current up to 5000 Amps for 1 second or 500 Amps for 5 seconds. The heavy thick copper jackets will also increase the installed service life.



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