

EARTH RODS & FITTINGS

Goldstar Impex to the installer the best and most Economical Earth Rod

COPPER BONDED EARTH ROD AND FITTINGS

Manufactured from high tensile low carbon steel by molecularly bonding 99.9% pure electrolytic copper, these earth rods confirm to BS 4340 grade 43A. Each rod is treated with benzol triazole derivatives to prevent oxidation of copper bonding. The threads are formed by roll threading process which ensure strength and maintain the molecularly bonded copper along the full length of the threads. The rods can be deep driven manually or by using power hammer.



Rod Dia mm	Total Length	Thread Dia	Cat #
09.5	1200	unthreaded	CER - 912
12.7	1200	9/16"	CER - 1412
12.7	1500	9/16"	CER - 1415
12.7	1800	9/16"	CER - 1418
12.7	2400	9/16"	CER - 1424
12.7	3000	9/16"	CER - 1430
14.2	1200	5/8"	CER - 1612
14.2	1500	5/8"	CER - 1615
14.2	1800	5/8"	CER - 1618
14.2	2400	5/8"	CER - 1624
14.2	3000	5/8"	CER - 1630
17.2	1200	3/4"	CER - 2012
17.2	1500	3/4"	CER - 2015
17.2	1800	3/4"	CER - 2018
17.2	2400	3/4"	CER - 2024
17.2	3000	3/4"	CER - 2030

Rod Dia mm	Total Length	Thread Dia	Cat #
09.5	1200	unthreaded	ER - 912
12.7	1200	9/16"	ER - 1412
12.7	1500	9/16"	ER - 1415
12.7	1800	9/16"	ER - 1418
12.7	2400	9/16"	ER - 1424
12.7	3000	9/16"	ER - 1430
14.2	1200	5/8"	ER - 1612
14.2	1500	5/8"	ER - 1615
14.2	1800	5/8"	ER - 1618
14.2	2400	5/8"	ER - 1624
14.2	3000	5/8"	ER - 1630
17.2	1200	3/4"	ER - 2012
17.2	1500	3/4"	ER - 2015
17.2	1800	3/4"	ER - 2018
17.2	2400	3/4"	ER - 2024
17.2	3000	3/4"	ER - 2030
25.0	2400	unthreaded	ER - 2524
25.0	3000	unthreaded	ER - 2530

**SOLID COPPER EARTH ROD (EXTERNALLY THREADED)**

Goldstar Impex offers pure copper earth rods for use where extreme soil condition such as high salt or moisture content demands high corrosion resistance and exceptionally long life or rods. Goldstar Impex Solid copper earth rods are made from high conductivity hard drawn copper to BS2874 C101. Threads are formed by roll threading process to ensure extra strength and avoid the risk of chipping while driving the rods in the ground.

**COUPLING**

Made of high grade Brass / Silicon Bronze / Aluminium Bronze for higher strength with counted bore for protecting the rod threads from damage.

Thread Dia	Cat #
9/16"	BC - 916
5/8"	BC - 58
3/4"	BC - 34

**EYE BOLT**

Made of gunmetal, these eye bolts can be directly screwed onto earth rods, thereby offering a static discharge unit.

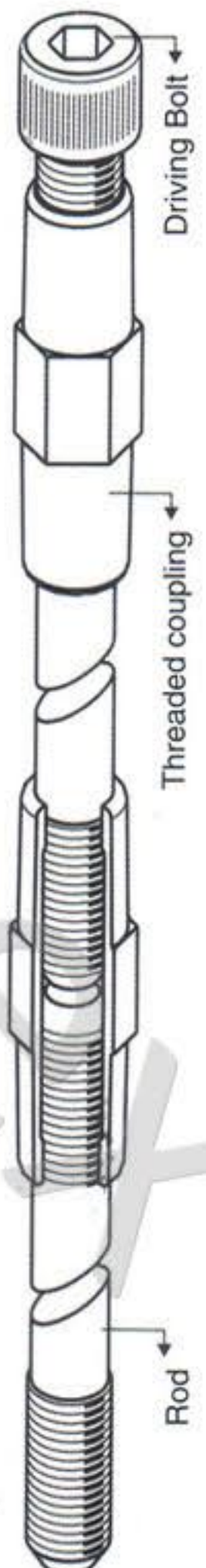
Thread Dia	Cat #
5/8"	EB - 58
3/4"	EB - 34

**DRIVING BOLT**

Made of re-usable high tensile steel and stainless steel. Re-usable for many times over. Suitable for both manual and power hammering.



Thread Dia	Cat #
9/16"	DB - 916
5/8"	DB - 58
3/4"	DB - 34



EARTH RODS & FITTINGS

SOLID COPPER EARTH ROD (INTERNALLY THREADED)

Manufactured from high conductivity hard drawn copper to BS2874 C101 Standard.

Rod Dia mm	Total Length	Thread Dia	Cat #
14	1200	M10	CER-1412
14	1500	M10	CER-1415
15	1200	M10	CER-1512
15	1500	M10	CER-1515
16	1200	M10	CER-1612
16	1500	M10	CER-1615
20	1200	M12	CER-2012
20	1500	M12	CER-2015

DRIVING SPIKE

Made of re-usable high tensile steel
Like our driving studs, spikes also can be used many times over.



Thread Dia	Cat #
M/10	DS-10
M/12	DS-12

INTERNAL COUPLING DOWEL

Made of Brass or steel. (For Brass Dowels please add "B" and for Steel "S" to Catalogue No.)



Thread Dia	Cat #
M/10	ICD-10
M/12	ICD-12

STAINLESS STEEL EARTH ROD (INTERNALLY THREADED)

Stainless Steel Earth Rods are used where galvanic corrosion is likely to affect earth rods due to dissimilar metals buried in close proximity as copper earth rods are more vulnerable to galvanic corrosion. stainless steel rods are more anodic than copper and are more effective against corrosion problem. These rods are manufactured from authentic stainless steel to BS970, Grade316S12.

Rod Dia mm	Total Length	Thread Dia	Cat #
16	1500	M10	SSER-1615
16	1800	M10	SSER-1618
16	2400	M10	SSER-1624
20	1500	M12	SSER-2015
20	1800	M12	SSER-2018
20	2400	M12	SSER-2024

DRIVING BOLT

Made of re-usable high tensile steel and stainless steel. Re-usable for many times over. Suitable for both manual and power hammering.



Thread Dia	Cat #
M10	DB-10
M12	DB-12

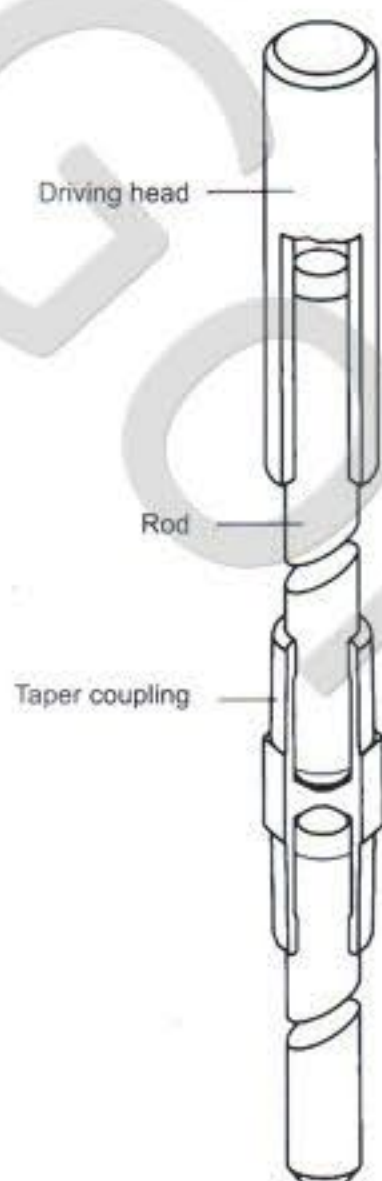
INTERNAL COUPLING DOWEL

Made of stainless steel.



Thread Dia	Cat #
M10	ICD-10
M12	ICD-12

EARTH RODS & FITTINGS



HOT DIP GALVANISED STEEL EARTH ROD

As a cost effective option for earthing, **Goldstar Impex** offers Hot Dip Galvanised Steel Earth Rods which are made of high strength low carbon steel. These are hot dip galvanized to BS729

Rod Dia mm	Total Length	Thread Dia	Cat #
12	1200	UNTHREADED	HDER - 1212
12	1500	UNTHREADED	HDER - 1215
12	1800	UNTHREADED	HDER - 1218
12	2400	UNTHREADED	HDER - 1224
12	3000	UNTHREADED	HDER - 1230
14	1200	UNTHREADED	HDER - 1412
14	1500	UNTHREADED	HDER - 1415
14	1800	UNTHREADED	HDER - 1418
14	2400	UNTHREADED	HDER - 1424
14	3000	UNTHREADED	HDER - 1430
16	1200	UNTHREADED	HDER - 1612
16	1500	UNTHREADED	HDER - 1615
16	1800	UNTHREADED	HDER - 1618
16	2400	UNTHREADED	HDER - 1624
16	3000	UNTHREADED	HDER - 1630
20	1200	UNTHREADED	HDER - 2012
20	1500	UNTHREADED	HDER - 2015
20	1800	UNTHREADED	HDER - 2018
20	2400	UNTHREADED	HDER - 2024
20	3000	UNTHREADED	HDER - 2030

CLAMPS / FITTINGS

Goldstar Impex a variety of earth rod clamps suitable for different applications of earthing. Clamp bodies are manufactured from Hard Copper Alloys / Silicon Aluminium Bronze / Gunmetal and bolts are manufactured from stainless steel / Phosphor Bronze.



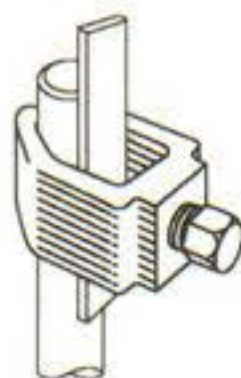
U BOLT FOR RIGID PIPE AND CABLES - TYPE 'PUB'

These 'U' Bolts made of gunmetal are used for universal parallel or 90° cable connection to rod or pipe.

Dia	Cat #
3/8"	PUB - 38
1/2"	PUB - 12
3/4"	PUB - 34
1 1/2"	PUB - 112
2" LD	PUB - 2L
2" HD	PUB - 2H
2 1/2"	PUB - 212
3"	PUB - 03
4"	PUB - 04

ROD TO TAPE CLAMP - TYPE 'A'

Used for joining earth rods to copper tapes, these clamps are available to suit different sizes of earth rods and copper tapes. The clamps bodies, made of hard copper alloy / Gunmetal / Aluminium Bronze and bolts made of Phosphor Bronze / Stainless Steel ensure perfect fit and lasting connection.



Rod Dia mm	Total Width mm	Cat #
9.5	25	RCA - 9
14	25	RCA - 14
16	25	RCA - 16
20	50	RCA - 20
25	50	RCA - 25

ROD TO CABLE CLAMP - TYPE 'G'

These clamps are used for joining earth rods to copper cables. Material and characteristics same as of Type 'A' Clamps.



Rod Dia mm	Conductor Range mm2	Cat #
9.5	6-35	RCG - 9
14	16-70	RCG - 14
16	16-95	RCG - 16
20	35-120	RCG - 20
25	70-185	RCG - 25

FITTINGS

ROD TO CABLE LUG CLAMP TYPE 'B'

These clamps are used to connect tape to the earth rod. Made of strong copper alloy / Gunmetal.

Rod Dia mm	Cat #
9.5	RCCB - 9
14	RCCB - 14
16	RCCB - 16
20	RCCB - 20
25	RCCB - 25

ROD TO CABLE CLAMP - TYPE 'GUV'

Heavy Duty Copper Alloy Double Plated Clamps are suitable for connecting Earth Rod with Cables / round conductors.

Rod Dia mm	Conductor Range mm2	Cat #
9.5	6-35	UGUV - 9
14	16-70	UGUV - 14
16	16-95	UGUV - 16
20	35-120	UGUV - 20
25	70-185	UGUV - 25

ROD TO CABLE CLAMP - TYPE 'KUV'

These special Heavy Duty Copper Alloy Double Plated Clamps are suitable for connecting Earth Rod with Cables / round conductors.

Rod Dia mm	Conductor Range mm2	Cat #
9.5	6-35	UKUV - 9
14	16-70	UKUV - 14
16	16-95	UKUV - 16
20	35-120	UKUV - 20
25	70-185	UKUV - 25

U BOLT ROD CLAMP - TYPE 'E'

These clamps are used to connect tape to the earth rod. Available in single plate and double plate, application being the same but suitable for fixing in different angles. Made of strong copper alloy / Gunmetal.

Rod Dia mm	Total Width mm	Cat #
9.5	25	UBE - 9
14	25	UBE - 14
16	25	UBE - 16
20	50	UBE - 20
25	50	UBE - 25
14	25	UBE - 14A

SPLIT CONNECTOR CLAMP

Used with threaded and unthreaded rods, suitable for connecting earth rod with cable lugs. Supplied with or without threads.

Rod Dia mm	Cat #
9.5	SCC - 9
14	SCC - 14
16	SCC - 16
20	SCC - 20
25	SCC - 25

FITTINGS

ROD TO CABLE CLAMP - TYPE 'SCE'

Made of gunmetal, these clamps are used for connecting rod to cables.

Rod Dia mm	Conductor Range mm ²	Cat #
9.5	6-35	USCE - 9
14	16-70	USCE - 14
16	16-95	USCE - 16
20	35-120	USCE - 20
25	70-185	USCE - 25

EARTH LATTICE

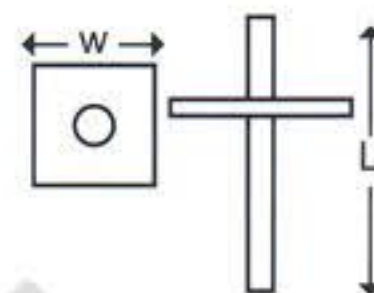
Goldstar Impex earth lattices are usable as an alternative to Earth Plates, which are made of electrolytic grade copper strips of various sizes.

Lattice Size mm	Copper Tape Size mm	No. of Strips	Cat #
500 X 500	25X2	10	CEL - 552
500 X 500	25X3	10	CEL - 553
500 X 500	25X5	10	CEL - 555
600 X 600	25X2	10	CEL - 662
600 X 600	25X3	10	CEL - 663
600 X 600	25X5	10	CEL - 665
900 X 900	25X2	10	CEL - 992
900 X 900	25X3	10	CEL - 993
900 X 900	25X5	10	CEL - 995
1000 X 1000	25X2	12	CEL - 10102
1000 X 1000	25X3	12	CEL - 10103
1000 X 1000	25X5	12	CEL - 10105

PUDDLE FLANGE

Puddle Flanges made of copper or aluminium, are used where the roof termination or down conductors have to pass through water proof covering, roof etc.

Conductor	L	W	Cat #
Copper	600	150	PFC - 01
Aluminium	600	150	PFC - 02



EARTH PLATE

Earth Plates are used where earth rods are unsuitable. **Goldstar Impex** Earth Plates are manufactured from electrolytic grade solid copper sheet. Earth Plates made of Steel, bonded with electrolytic copper,

SOLID COPPER EARTH PLATES

Plate Size	Cat #
500X500X3	CEP - 553
500X500X5	CEP - 555
600X600X3	CEP - 663
600X600X5	CEP - 665
900X900X3	CEP - 993
900X900X5	CEP - 995
1000X1000X3	CEP - 10103
1000X1000X5	CEP - 10105

COPPER BONDED EARTH PLATES

Plate Size	Cat #
500X500X3	BEP - 553
500X500X5	BEP - 555
600X600X3	BEP - 663
600X600X5	BEP - 665
900X900X3	BEP - 993
900X900X5	BEP - 995
1000X1000X3	BEP - 10103
1000X1000X5	BEP - 10105

BONDS & CLAMPS

WATERMAIN PIPE BOND

These types of bonds are used for bonding metallic pipes into the earthing or lightning protection system. Made of Gunmetal, **Goldstar Impex** watermain pipe bond offers long life.

Tape Width mm	Cat #
25	WPB-25

RWP BOND

Rainwater Pipe Bonds, made of gunmetal, are used for bonding tapes to rainwater pipes.

Tape Width mm	Bolt Size	Cat #
25	M10	RWP - 25
38	M10	RWP - 38

B BOND

Made of Gunmetal and these bonds are used for bonding tape to metal structure.

Tape Width mm	Bolt Size	Cat #
25	M10	BB - 25
38	M10	BB - 38

TOWER EARTH CLAMP DOUBLE PLATE

Goldstar Impex Tower Earth Bonds are manufactured of Gunmetal and are designed for bonding copper conductor to metal surfaces.

Conductor size mm ²	Channel Thickness mm	Bolt Size	Cat #
16-70	10	M10	TECD - 70
70-120	10	M12	TECD - 120

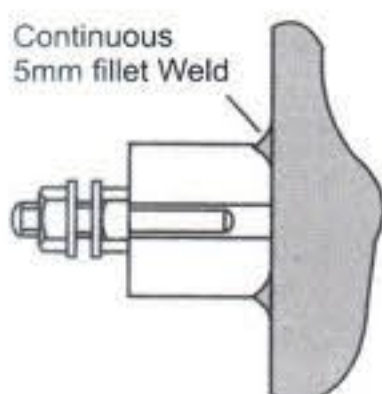
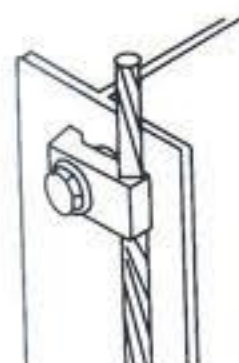
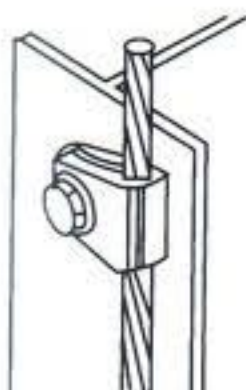
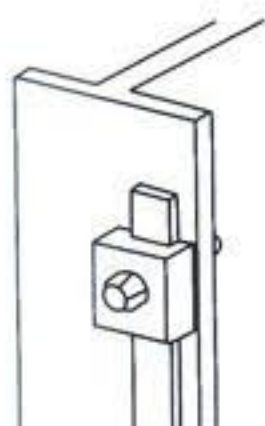
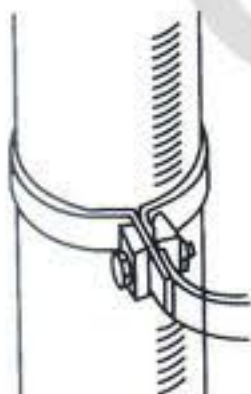
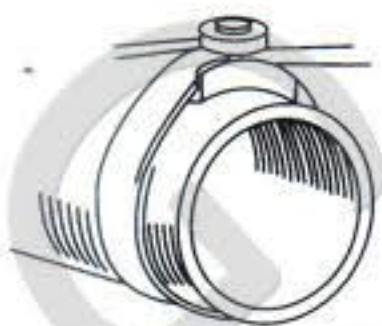
TOWER EARTH CLAMP SINGLE PLATE

Conductor size mm ²	Channel Thickness mm	Bolt Size	Cat #
8	10	M10	TECS - 8

EARTH BOSS

Goldstar Impex Earth Boss are manufactured from High Tensile Mild Steel, zinc plated to avoid corrosion. Supplied with SS / Phosphor bronze studs, bolts, spring and plain washers.

Length mm	Dia mm	Thread Dia.	Cat #
30	38	3/8"	EB - 30
50	50	1/2"	EB - 50



TAPER POINTED AIR ROD

Goldstar Impex taper pointed air rods are manufactured from Electrolytic Grade Copper, one side taper pointed and the other side With suitable threads for fixing to saddles / air terminal bases. Rods made of aluminium also can be supplied against specific requirements. Rods can be installed with or without multiple points. However; researches conducted in this regard suggest use of multiple points with taper pointed air rods are more effective than taper pointed air rods.



Rod Length mm	Rod Dia mm	Thread Dia	Material	Cat #
300	14.2	5/8"	Copper	PARC - 314
500	14.2	5/8"	Copper	PARC - 514
1000	14.2	5/8"	Copper	PARC - 1014
2000	14.2	5/8"	Copper	PARC - 2014
300	15.0	5/8" or 16mm	Copper	PARC - 315
500	15.0	5/8" or 16mm	Copper	PARC - 515
1000	15.0	5/8" or 16mm	Copper	PARC - 1015
2000	15.0	5/8" or 16mm	Copper	PARC - 2015
300	16.0	5/8" or 16mm	Copper	PARC - 316
500	16.0	5/8" or 16mm	Copper	PARC - 516
1000	16.0	5/8" or 16mm	Copper	PARC - 1016
2000	16.0	5/8" or 16mm	Copper	PARC - 2016
500	17.2	3/4"	Copper	PARC - 517
1000	17.2	3/4"	Copper	PARC - 1017
2000	17.2	3/4"	Copper	PARC - 2017
300	14.2	5/8"	Aluminium	PARA - 314
500	14.2	5/8"	Aluminium	PARA - 514
1000	14.2	5/8"	Aluminium	PARA - 1014
1500	14.2	5/8"	Aluminium	PARA - 1514
2000	14.2	5/8"	Aluminium	PARA - 2014
300	15.0	5/8" or 16mm	Aluminium	PARA - 315
500	15.0	5/8" or 16mm	Aluminium	PARA - 515
1000	15.0	5/8" or 16mm	Aluminium	PARA - 1015
1500	15.0	5/8" or 16mm	Aluminium	PARA - 1515
2000	15.0	5/8" or 16mm	Aluminium	PARA - 2015
300	16.0	5/8" or 16mm	Aluminium	PARA - 316
500	16.0	5/8" or 16mm	Aluminium	PARA - 516
1000	16.0	5/8" or 16mm	Aluminium	PARA - 1016
1500	16.0	5/8" or 16mm	Aluminium	PARA - 1516
2000	16.0	5/8" or 16mm	Aluminium	PARA - 2016
500	17.2	3/4"	Aluminium	PARA - 517
1000	17.2	3/4"	Aluminium	PARA - 1017
2000	17.2	3/4"	Aluminium	PARA - 2017



FLAT TAPE SYSTEM

ELEVATION ROD

Elevation rods are supplied wherever necessary, made of either Electrolytic Copper or Aluminium.



Rod Length mm	Rod Dia mm	Thread Dia	Material	Cat #
500	14.2	5/8"	Copper	ERC - 514
1000	14.2	5/8"	Copper	ERC - 1014
1300	14.2	5/8"	Copper	ERC - 1314
500	15.0	5/8" or 16mm	Copper	ERC - 515
1000	15.0	5/8" or 16mm	Copper	ERC - 1015
1300	15.0	5/8" or 16mm	Copper	ERC - 1315
500	16.0	5/8" or 16mm	Copper	ERC - 516
1000	16.0	5/8" or 16mm	Copper	ERC - 1016
1300	16.0	5/8" or 16mm	Copper	ERC - 1316
800	17.2	3/4"	Copper	ERC - 817
1300	17.2	3/4"	Copper	ERC - 1317
500	14.2	5/8"	Aluminium	ERA - 514
1000	14.2	5/8"	Aluminium	ERA - 1014
1300	14.2	5/8"	Aluminium	ERA - 1314
500	15.0	5/8" or 16mm	Aluminium	ERA - 515
1000	15.0	5/8" or 16mm	Aluminium	ERA - 1015
1300	15.0	5/8" or 16mm	Aluminium	ERA - 1315
500	16.0	5/8" or 16mm	Aluminium	ERA - 516
1000	16.0	5/8" or 16mm	Aluminium	ERA - 1016
1300	16.0	5/8" or 16mm	Aluminium	ERA - 1316
800	17.2	3/4"	Aluminium	ERA - 817
1300	17.2	3/4"	Aluminium	ERA - 1317

FLAT TAPE SYSTEM



MULTIPLE POINTS

Multiple Points are made from Copper or Copper Alloy and are available on different designs. The taper spike is made of electrolytic Grade Copper.

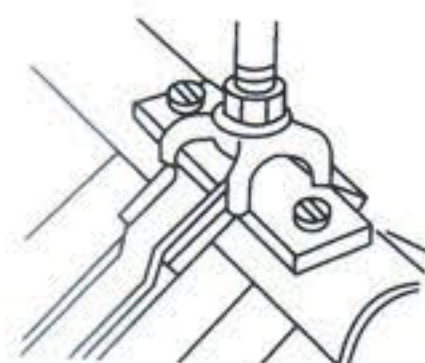
Thread Dia	Cat #
5/8" or 16 mm	MP 58
3/4"	MP 34

AIR TERMINAL BASE - TAPE

These are used for fixing air rods. Goldstar Impex Air Terminal Bases are made from Gunmetal, which are strong to last long.



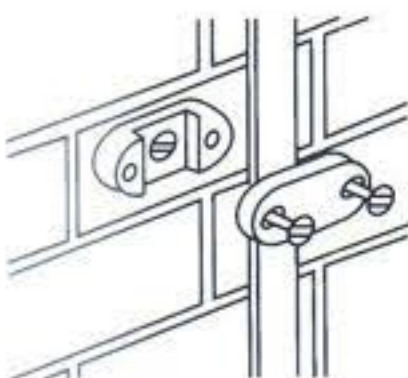
Rod Dia mm	Thread Dia	Max. Tape Conductor	Rod Material	Cat #
14.2	5/8"	30 x 6 mm	Copper	ATBC - 14
15.0	5/8" or 16mm	30 x 6 mm	Copper	ATBC - 15
16.0	5/8" or 16mm	30 x 6 mm	Copper	ATBC - 16
17.2	3/4" or 19mm	30 x 6 mm	Copper	ATBC - 17
14.2	5/8"	30 x 6 mm	Aluminium	ATBA - 14
15.0	5/8" or 16mm	30 x 6 mm	Aluminium	ATBA - 15
16.0	5/8" or 16mm	30 x 6 mm	Aluminium	ATBA - 16
17.2	3/4" or 19mm	30 x 6 mm	Aluminium	ATBA - 17



RIDGE SADDLE

Goldstar Impex Ridge Saddles are manufactured from Gunmetal and are used for supporting air terminals on the roof Ridges.

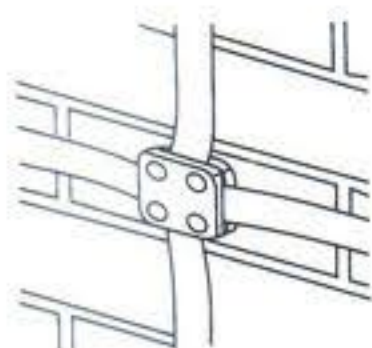
Rod Dia mm	Thread Dia	Max. Tape Conductor	Cat #
15 MM	M16	30 x 6 mm	RS - 16
17.2 MM	3/4"	30 x 6 mm	RS - 34



D C TAPE CLIP

These are used to secure copper tape to the building. Made in Gunmetal, the clip has a hole in the base for fixing to building with an appropriate screw and plug.

Conductor size mm	Cat #
25 x 3	DC - 253
25 X 6	DC - 256
38 X 3	DC - 383
38 X 6	DC - 386
50 X 3	DC - 503
50 X 6	DC - 506



SQUARE TAPE CLAMP

Goldstar Impex's Square Tape / Junction clamps are made from gunmetal or aluminium and are used for crossing over tapes, or for T joints or for making straight through joints in a network of tapes.

Conductor size mm	Cat #
25 x 3	STC - 253
25 X 6	STC - 256
38 X 3	STC - 383
38 X 6	STC - 386

FLAT TAPE FIXINGS

ROD BRACKETS

These are manufactured from Gunmetal or Aluminium and are being used for providing protection from the building wall or face. Rod brackets are mainly used with rod to tape coupling where it is not possible to fit a saddle on the roof and the air rod has to be fitted on the side of the building.

Rod Dia mm	Rod Material	Cat #
14.2	Copper	RBC - 14
17.2	Copper	RBC - 17
14.2	Aluminium	RBA - 14
17.2	Aluminium	RBA - 17

TAPE CLIP

Tape clips are used to hold the tape to the structure and are being manufactured in Copper, Brass and Aluminium. These are fixed to the surface by using screws.

Conductor size mm2	Material	Cat #
25 x 3	Copper	TCC - 253
38 X 3	Copper	TCC - 383
50 X3	Copper	TCC - 503
25 X3	Aluminium	TCA - 253
38 X 3	Aluminium	TCA - 383
50 X 3	Aluminium	TCA - 503
25 x 3	Brass	TCB - 253
38 X 3	Brass	TCB - 383
50 X3	Brass	TCB - 503

ROD TO TAPE COUPLING

Used in conjunction with the air rod brackets to connect the air rod and tapes. The coupling is screwed onto the air rod and then connects to the tape with the bolts.

Rod Dia mm	Thread Dia	Rod Material	Cat #
14.2	5/8"	Copper	RTCC - 58
17.2	3/4"	Copper	RTCC - 34
14.2	5/8"	Aluminium	RTCA - 58
17.2	3/4"	Aluminium	RTCA - 34

SCREW DOWN TEST CLAMP

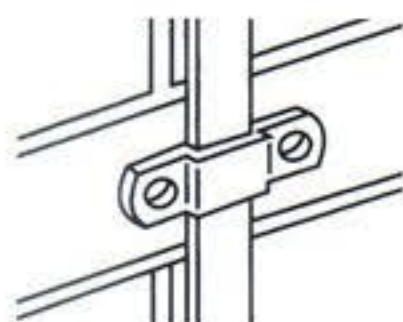
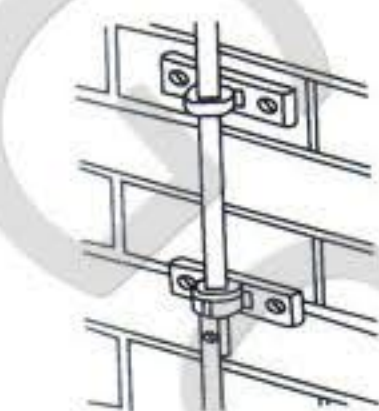
These clamps, made of gunmetal, provide easy access to copper tapes / conductors for inspection or testing.

Tape Type	D	H	Cat #
25 x 3	61	61	SDTC - 253

GLAZING BAR HOLDFAST

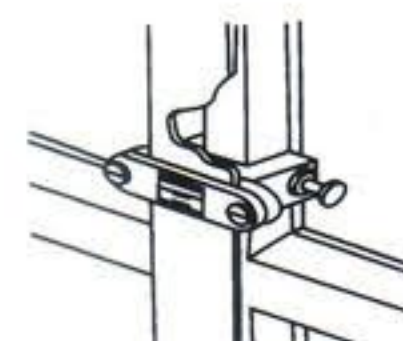
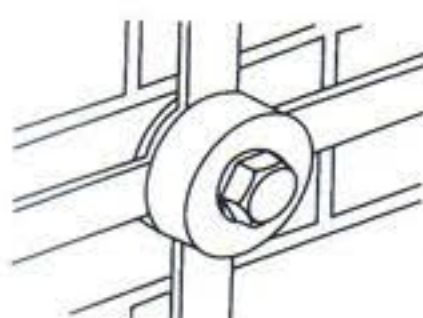
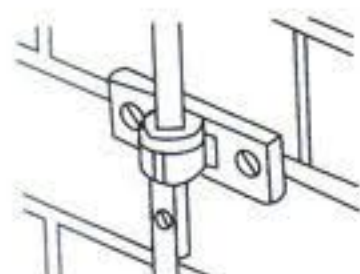
Made of gunmetal, these holdfasts can be used for attaching DC clips etc. Onto a narrow protection or extension such as angle iron.

Conductor Material	Maximum Glazing bar width	Cat #
Copper	12 mm	GBH - 12



Brass

Copper / Aluminium



FLAT TAPE FIXINGS

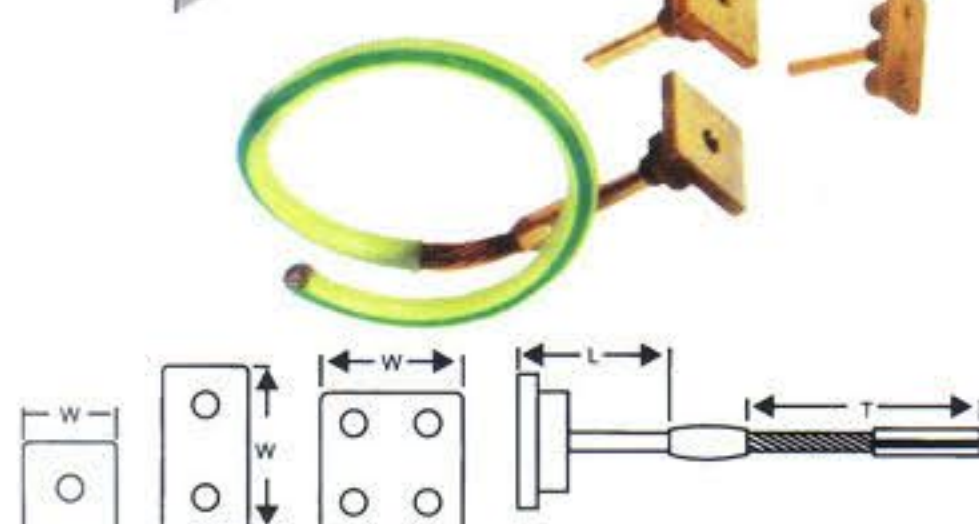
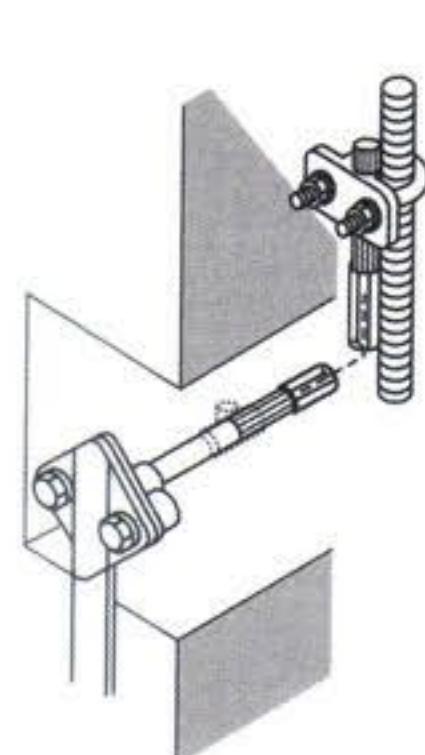
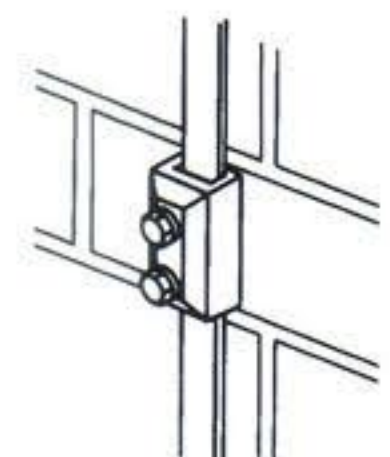
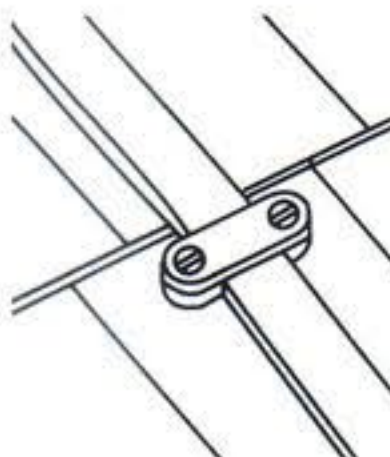
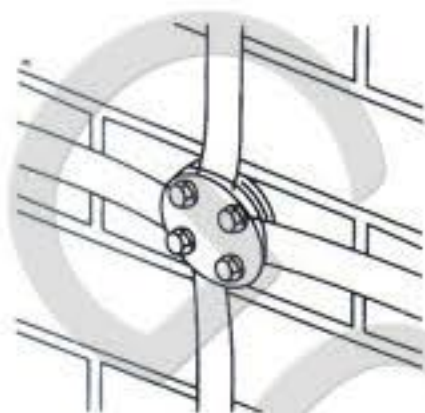


PLATE TEST CLAMP

These plate type test clamps, made of gunmetal or aluminium can be used as T Joints or straight through joints of tapes. Being joints, these can also effectively be used as testing points for the network by disconnecting the joints. Plate test clamps can also be used for heavy duty up to 50 x 6 tape connections.

Conductor size mm	Cat #
25 x 3	PTC - 253

SLATE HOLD FAST

A DC Clip is riveted to the Tape Tail and the clamp can be used for fixing tapes vertically or horizontally on slated roofs.

Conductor size mm	Cat #
25 X 3	SHF - 253
25 X 6	SHF - 256
38 X 3	SHF - 383
38 X 6	SHF - 386
50 X 3	SHF - 503
50 X 6	SHF - 506

OBLONG TEST CLAMP / JUNCTION CLAMP

Manufactured from Gunmetal, these clamps are used for straight through connection of tapes. Being joints, these can also effectively be used as testing points for the network by disconnecting the joints.

Conductor size mm	Cat #
25 X 3	OTC - 253
38 X 6	OTC - 386
50 X 6	OTC - 506

EARTH BONDING POINT

For providing earthing continuity and a multiple bonding point, and are available with one, two and four hole connection. These are made of gunmetal.

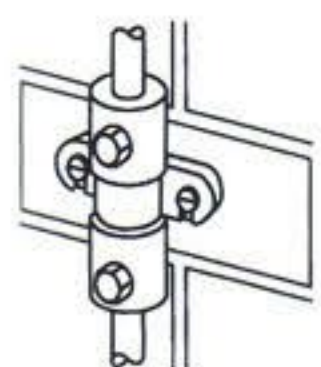
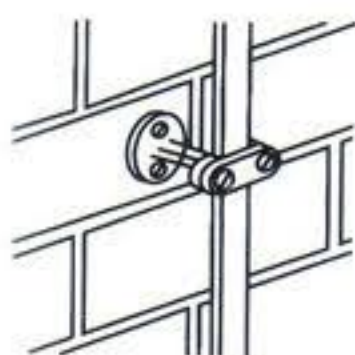
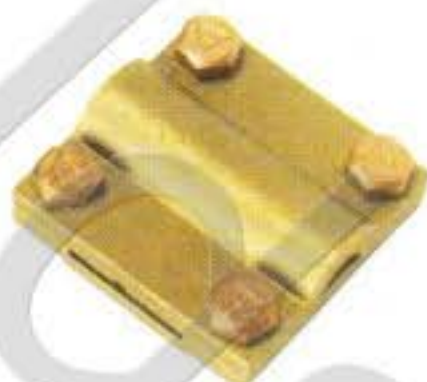
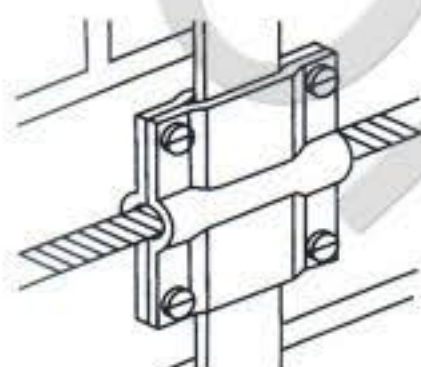
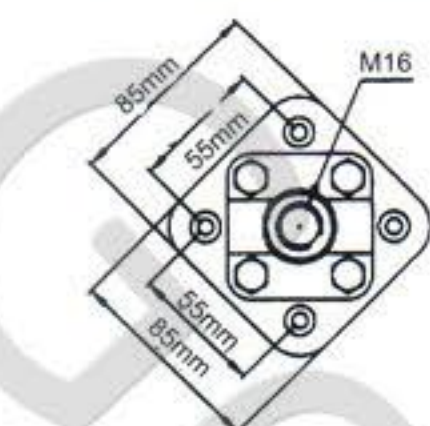
BONDING POINT

No. Of Holes	L	W	Cat #
1	77	49	EBP - 1
2	71	69	EBP - 2
4	80	63	EBP - 4

BONDING POINT WITH TAIL

No. Of Holes	L	W	T	Cat #
1	77	49	500	BPT - 1500
2	71	69	500	BPT - 2500
	71	69	1000	BPT - 21000
	71	69	1500	BPT - 21500
	71	69	3000	BPT - 23000
4	80	63	500	BPT - 4500
	80	63	1000	BPT - 41000
	80	63	3000	BPT - 43000

FLAT TAPE FIXINGS



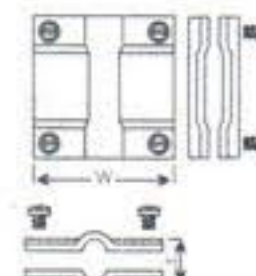
FLAT SADDLE - C

Flat Saddles are made of gunmetal and are used for supporting taper pointed or blunt air rods with circular conductors on flat surfaces.

Rod Length mm	Rod Dia mm	Thread Dia	Cat #
50	15	16	FS - 50
70	15	16	FS - 70
95	15	16	FS - 95

CABLE TO TAPE JOINT

These gunmetal connectors are suitable for crossing over tapes and cable, to make straight through joints or T connections in a continuous network.



Material	Conductor	Tape	W	H	Cat #
Copper	8 dia. Or 50 sq. mm	25x3	52	14	CTJ - 8

AIR TERMINAL BASE - CABLE

These gunmetal air terminal bases are used for mounting of air rods either horizontally or vertically.

Position	Conductor Dia	Thread Dia	Cat #
Vertical	8 mm	10 mm	ATBV - 10
Horizontal	8 mm	10 mm	ATBH - 10

BACK PLATE HOLDFAST STEM

Used with an appropriate DC Clip, this gunmetal holdfast is used where the tape is to be secured away from the face of wall.

Conductor materials	Cat #
Copper	BPHS - 100

BI-METALLIC CONNECTOR- TAPE TO TAPE

These connectors made of stainless steel / Copper and aluminium, are meant to be used where aluminium lightning protection system and copper earthing network. An inhibiting compound is normally recommended to use with this assembly.

Tape size mm	Cat #
25 x 3 - Cu to 25 x 3 Al	BMC - 253

BI-METALLIC CONNECTOR- CABLE TO CABLE

These connectors made of copper and aluminium, are meant to be used where aluminium lightning protection system and copper earthing network. An inhibiting compound is normally recommended to use with this assembly.

Conductor size mm	Cat #
8 mm Cu to 8 mm Al	BMC - 8

CIRCULAR CONDUCTOR SYSTEM

JUNCTION CLAMP

These clamps are suitable for forming straight through joints or for disconnection and test purposes. Manufactured from Gunmetal.

Conductor size mm ²	Cat #
35	JC - 35
50	JC - 50
70-95	JC - 70

TEST CLAMP

These clamps are suitable for end to end joints, and are manufactured from Gunmetal.

Conductor size mm ²	Cat #
35	TC - 35
50	TC - 50
70-95	TC - 70

METALWORK BANDING CLAMP

Used for bonding circular conducts to metal surfaces, these copper / aluminium clamps can be fixed to the metal surface by using bolts and nuts by welding onto the metal surface.

Conductor Dia	Conductor	L	W	H	Bolt	Cat #
8	Copper	82	40	25	M10x25	MBC - 8

HEAVY DUTY CONDUCTOR SADDLE

Manufactured from gunmetal, these are being used for either as a support for air rod or as a DC Clip for bare or PVC covered copper tapes.

Conductor size mm ²	Cat #
25-35	HDCS - 35
50-70	HDCS - 70
95-120	HDCS - 120
150-185	HDCS - 185

C CRIMP CONNECTORS

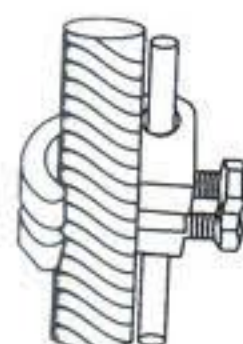
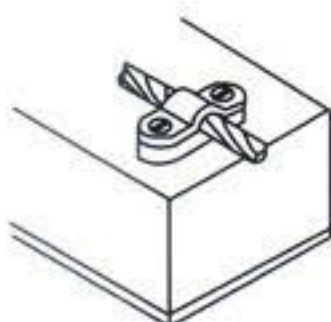
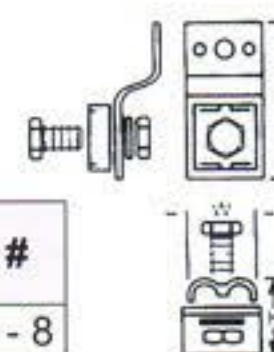
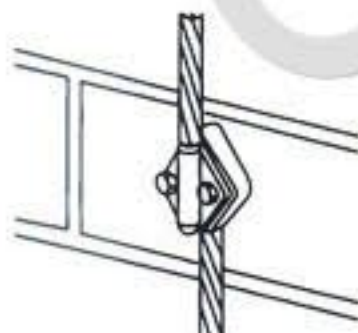
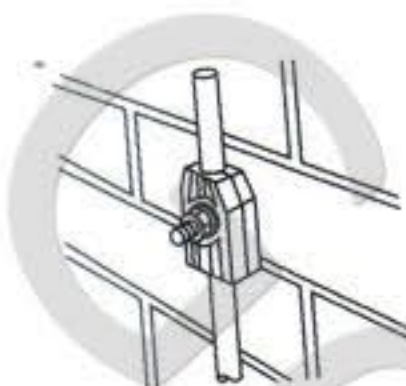
C Crimp Connectors are made of extruded electrolytic copper with thick walls, used for parallel or tap connection of copper cables. Appropriate tools may be used for installation of C Crimp Connectors.

Conductor Minimum	Maximum	Type	Cat #
16	35	C	CCC - 16
25	35	C	CCC - 25
50	70	C	CCC - 50
70	70	C	CCC - 70
95	120	C	CCC - 95
120	120	Tap	CCC - 120T
120	240	C	CCC - 120
150	240	C	CCC - 150

RE-BAR CLAMP

These clamps are used for bonding to handrails, re-inforcing bars, pipes etc.

Conductor dia	Pipe Dia	Conductor material	Cat #
8 mm	8 - 18 mm	Copper	RBC 8-18
8 mm	8 - 38 mm	Copper	RBC 8-35



CIRCULAR CONDUCTOR SYSTEM



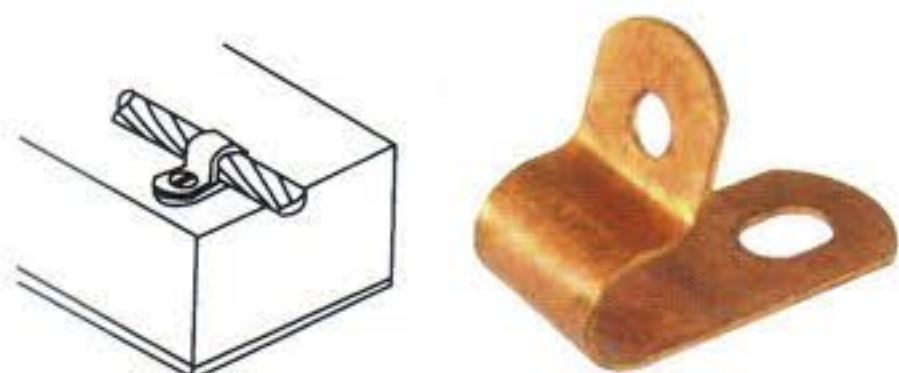
SPLIT BOLT CONNECTOR

Made of high tensile copper alloy and brass bolt. Split Connectors are used for copper to copper stranded or solid circular conductors.

Size mm ²	H	C	B A/F	D A/F	F	Cat #
6	19.85	4.0	12.70	13.35	4.80	SBC - 06
10	26.75	4.7	12.70	19.00	5.60	SBC - 10
16	26.00	5.7	12.70	19.00	5.60	SBC - 16
25	28.00	7.3	16.00	19.00	5.60	SBC - 25
35	35.00	7.8	18.50	24.00	6.35	SBC - 35
50	42.00	9.7	24.10	27.20	8.65	SBC - 50
70	44.50	11.5	24.10	27.20	8.65	SBC - 70
95	50.00	14.4	26.50	35.40	9.40	SBC - 95
120	57.50	16.2	30.00	35.40	12.00	SBC - 120
150	57.50	16.2	30.00	35.40	12.00	SBC - 150
185	57.50	18.2	31.75	38.00	12.00	SBC - 185
240	72.50	22.0	40.00	48.20	14.25	SBC - 240
300	72.50	24.0	42.00	50.00	14.25	SBC - 300
400	76.50	26.0	48.00	56.00	16.00	SBC - 400
500	80.00	30.0	55.00	65.00	16.00	SBC - 500

ONE HOLE CLIP

These are used for fixing cable conductors and are manufactured from high quality copper.



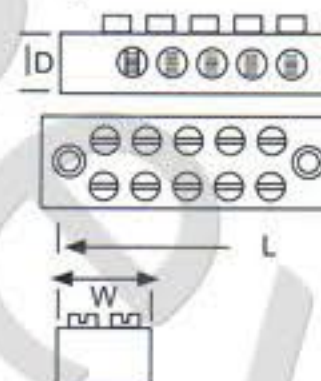
Conductor size mm ²	Cat #
25	OHC - 25
35	OHC - 35
50	OHC - 50
70	OHC - 70
95	OHC - 95
120	OHC - 120
150	OHC - 150
185	OHC - 185
240	OHC - 240
300	OHC - 300

EARTH BLOCKS

Goldstar Impex's tinned brass Earth Blocks are usable Earth Conductor or Line Conductor termination with a suitable, fully insulated housing.



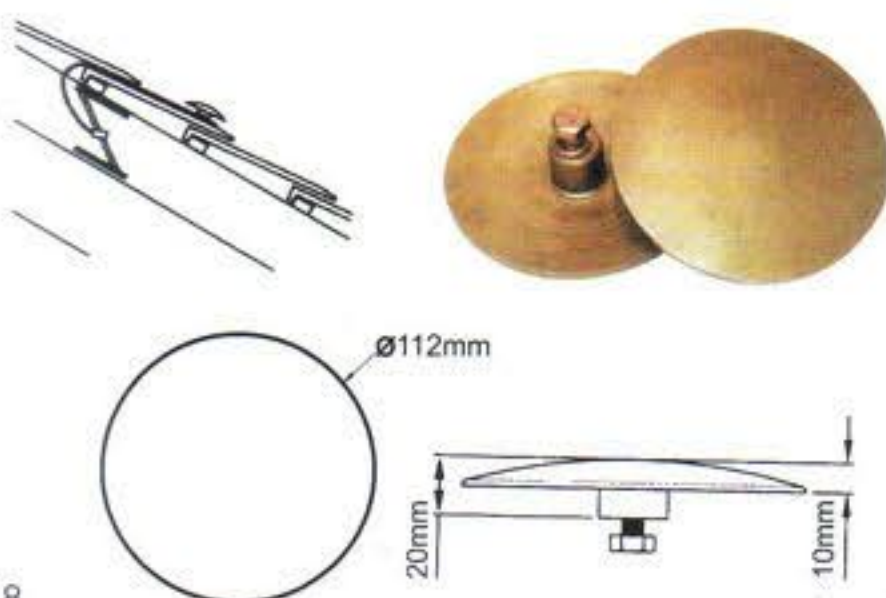
Way	Type	L	W	D	Cat #
4	Single	54	18	12	EBS - 4
4	Double	51	19	12	EBD - 4
8	Double	88	19	12	EBD - 8



STRIKE PAD

Description	Material	Cat #
Strike pad	Copper	SPC - 11
Strike pad	Aluminium	SPC - 12

Description	Cat #
Copper stem for use with PLO10	SP - 10



This product is supplied with a set screw to enable the lightning conductors to be attached to the strike pad.

CIRCULAR CONDUCTOR SYSTEM

SQUARE CLAMP

Used for forming cross or tee joints

Conductor size mm ²	Cat #
8	SC - 8

JOINTING CLAMP

Made from Gunmetal.

These are used for forming straight through joints.

Conductor size mm ²	Cat #
8	JC - 8

SQUARE CONDUCTOR CLAMP

Made from Gunmetal. These are meant to be used for 4 way connectors, straight through or T joints for round conductors.

Conductor size mm ²	Cat #
35	SCC - 35
50	SCC - 50
70-95	SCC - 70

TEE CLAMP

These are used for forming tee joints. Made from gunmetal.

Conductor size mm ²	Cat #
8	TC - 8

STRAIGHT SETSCREW TYPE CABLE SOCKET

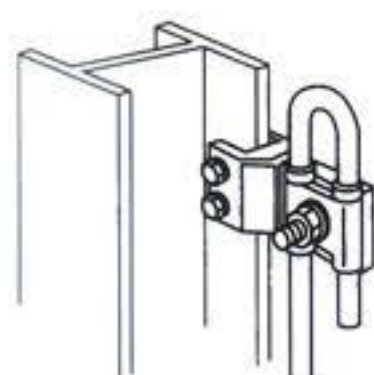
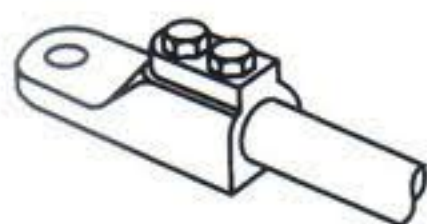
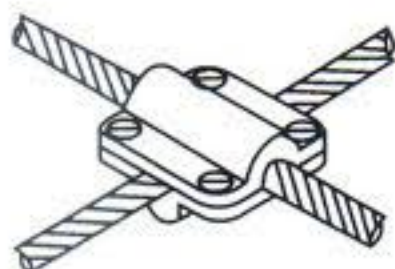
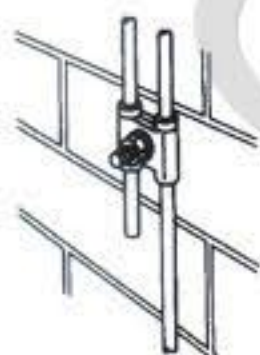
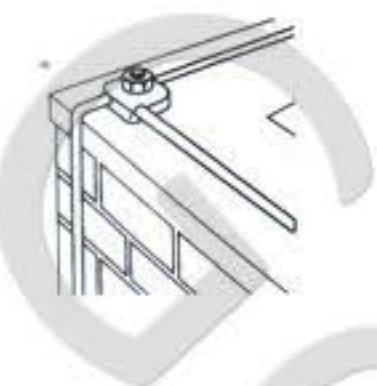
Made from Gunmetal. Used for bonding copper and aluminium conductors to steel work.

Conductor size mm ²	Cat #
8	SSCS - 8

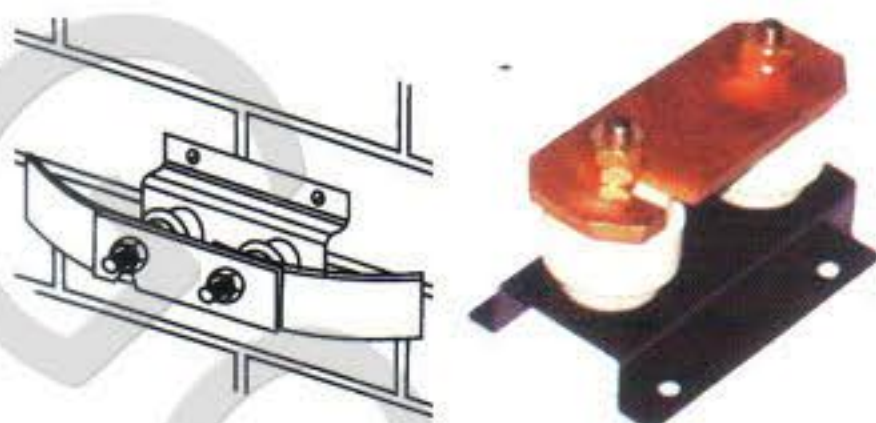
METALWORK BOND

Made from Gunmetal. Used for connecting to all types of metal structures up to 13mm thickness.

Conductor size mm ²	Cat #
8	MWB - 8



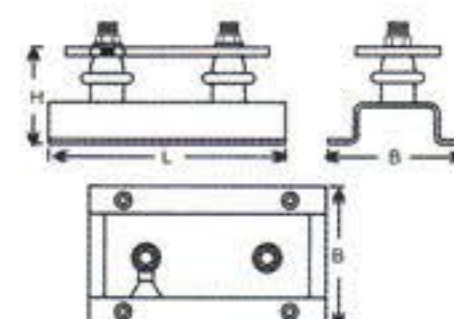
CIRCULAR CONDUCTOR SYSTEM



DISCONNECTING LINK

Comprising of solid copper earth bar mounted on zinc plated steel bracket and supported with re-inforced polyester insulators, these links are used for temporary disconnection of the circuit for inspection and testing of the lightning protection system network.

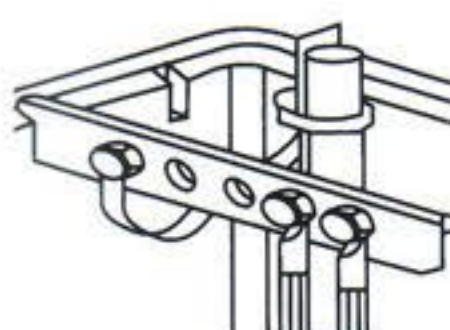
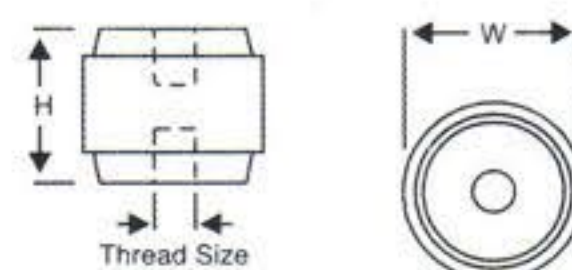
L	W	H	Cat #
172	82	75	DCL - 11



INSULATOR

Made of re-inforced polyester with metal inserts, insulators have varied uses, including insulating conductors from each other or against a wall.

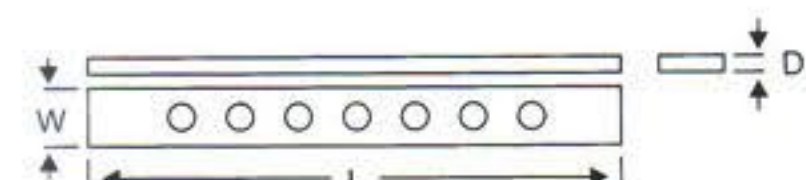
Thread Size	H	W	Cat #
M10	40	47.8	INS - 10
M10	40	47.8	INS - 11



EARTH BARS FOR EARTH HOUSING

Earth Bars made of hard drawn copper are used for fitting into slots provided in the earth housings where multiple connections are required to the earth rod.

Holes	L	W	D	Cat #
5	300	31	6	EB - 5
7	300	31	6	EB - 7
5	250	31	6	EB - 5A
7	250	31	6	EB - 7A
5	203	25	6	EB - 5B
7	203	25	6	EB - 7B



CONCRETE INSPECTION PIT

These are suitable for most types of earthing & lightning protection installations. Not suitable for use in areas where high load, small wheel vehicles are used.

Accessories



Description	Cat #
5 hole earth bar	CIP - 5
7 hole earth bar	CIP - 7

