ELSA
Earthing & Lighting Protection

Penn-union
Clamps & Connectors

E-mail: info@electrolines.org

EARTHING EQUIPMENTS

Earth Rods
Copper Bonded Earth Rod (Externally Threaded)
Pure Copper Earth Rod (Externally Threaded)
Pure Copper Earth Rod (Internally Threaded)
Stainless Steel Earth Rod (Internal Threading)
Galvanised Steel Earth Rod

Fittings
Rod To Tape Clamp - Type 'A'
Rod To Cable Clamp - Type 'G'
Split Connector Clamp - Type 'B'
U - Bolt Rod Clamps - Type 'E'
U - Bolt Rod Clamps To Cable
Earth Plate
Earth Lattice

Bonds
Watermain Pipe Bond
B Bond
RWP Bond
Tower Earth Bond
Earth Boss

LIGHTNING PROTECTION SYSTEM

Flat Tape System
Taper Pointed Air Rod
Elevation Rod
Multiple Points
Air Terminal Base
Ridge Saddle
Rod Brackets
Rod To Tape Coupling

Tape Fixings
Tape Clip
D.C Tape Clip
Square Tape Clamp
Oblong Test Clamp
Plate Test Clamp
Bi-metallic Connector
Slate Hold Fast
Back Plate Holdfast Stem

Circular Conductor System
Air Terminal Base
Heavy Duty Conductor Saddle
One Hole Clip
Square Clamp
Test Clamp

EARTHING CONDUCTORS

Bare Copper Tape
PVC Covered Copper Tape
Tinned Copper Tape
Hard Drawn Copper Bars
Flexible Copper Braids
Flexible Connectors
Bare Aluminium Tape
PVC Covered Aluminium Tape
Bare Stranded Copper Conductor
PVC Covered Stranded Copper Conductor

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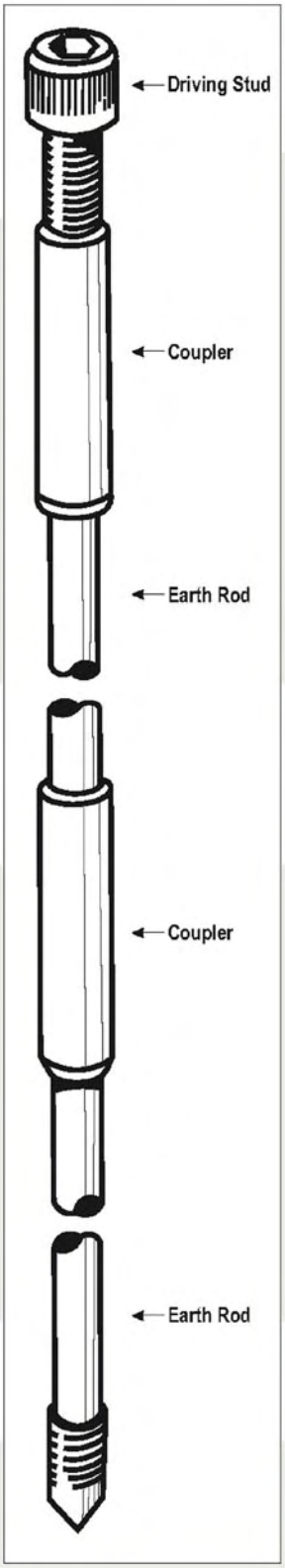
EARTHING EQUIPMENTS

EARTH RODS

ELSA offers to the customer a complete range of earthing equipments which are best suitable and most economically available.



COPPER BONDED EARTH ROD AND FITTINGS

ELSA earth rods are made from high tensile low carbon steel complying with BS 4360 grade 43A. Each rod is made by molecularly bonding 99.9 % pure electrolytic copper. To prevent oxidation of copper bonding, each rod is treated with Benzol - triozole derivatives. Threads on the rods are formed by roll threading process giving extra strength to the threads and eliminating risk of chipping of threads while driving the rod in the ground.

ROD DETAILS

Rod DIA. mm	Total Length	Thread Dia	Cat. #
9.5	1200	UNTHREADED	ACBR912
12.5	1200	9/16"	ACBR1412
12.5	1500	9/16"	ACBR1415
12.5	1800	9/16"	ACBR1418
12.5	2400	9/16"	ACBR1424
12.5	3000	9/16"	ACBR1430
14.2	1200	5/8"	ACBR1612
14.2	1500	5/8"	ACBR1615
14.2	1800	5/8"	ACBR1618
14.2	2400	5/8"	ACBR1624
14.2	3000	5/8"	ACBR1630
17.2	1200	3/4"	ACBR2012
17.2	1500	3/4"	ACBR2015
17.2	1800	3/4"	ACBR2018
17.2	2400	3/4"	ACBR2024
17.2	3000	3/4"	ACBR2030
25	2400	UNTHREADED	ACBR2524
25	3000	UNTHREADED	ACBR2530

PURE COPPER EARTH ROD (Externally threaded)

ELSA solid copper earth rods are made from high conductivity hard drawn copper to BS 2874 - C101. They are ideally suitable where soil conditions are very corrosive, such as soil with high salt and moisture content These rods are also available with tin plating in order to reduce the risk of oxidation and increasing shelf life. Threads on the rods are formed by roll threading process giving extra strength to the threads and eliminating risk of chipping of threads while driving the rod in the ground.

Rod DIA. mm	Total Length	Thread Dia	Cat. #
9.5	1200	UNTHREADED	ARC912
12.5	1200	9/16"	ARC1412
12.5	1500	9/16"	ARC1415
12.5	1800	9/16"	ARC1418
12.5	2400	9/16"	ARC1424
12.5	3000	9/16"	ARC1430
14.2	1200	5/8"	ARC1612
14.2	1500	5/8"	ARC1615
14.2	1800	5/8"	ARC1618
14.2	2400	5/8"	ARC1624
14.2	3000	5/8"	ARC1630
17.2	1200	3/4"	ARC2012
17.2	1500	3/4"	ARC2015
17.2	1800	3/4"	ARC2018
17.2	2400	3/4"	ARC2024
17.2	3000	3/4"	ARC2030

COUPLING

Made up of Copper Alloy for higher strength and countered bored to protect the rod threads from damage.

Thread Dia	Cat. #
9/16"	BC916
5/8"	BC58
3/4"	BC34

DRIVING BOLT

Made up of Re-usable high tensile steel Can be used many times over and suitable for power hammering.

Thread Dia	Cat. #
9/16"	DB916
5/8"	DB58
3/4"	DB34

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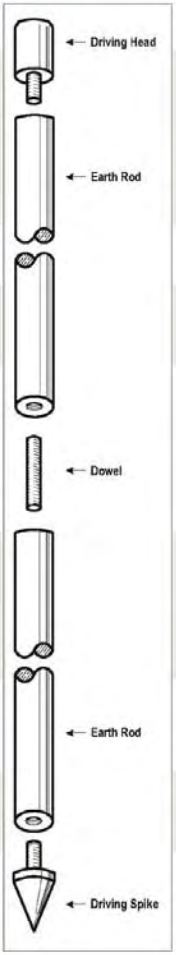
EARTHING EQUIPMENTS

EARTH RODS



PURE COPPER EARTH ROD (Internally threaded)
Manufactured from Hard Drawn high conductivity Copper to BS 2874 - C101

Rod DIA. mm	Total Length	Thread Dia	Cat. #
14	1200	M10	ASCR1412
14	1500	M10	ASCR1415
15	1200	M10	ASCR1512
15	1500	M10	ASCR1515
16	1200	M10	ASCR1612
16	1500	M10	ASCR1615
20	1200	M12	ASCR2012
20	1500	M12	ASCR2015

SPIKE
Made up of Re-usable high tensile steel

Thread Dia	Cat. #
M10	DS10
M12	DS12

INTERNAL COUPLING DOWEL
Made up of Copper Alloy

Thread Dia	Cat. #
M10	DC10
M12	DC12

STAINLESS STEEL EARTH ROD (Internal threading)
Stainless Steel earth rods are used to overcome condition of galvanic corrosion which may be caused due to dissimilar metals being buried near by . Solid copper rods are likely to react adversely with the buried metal, thus allowing corrosion to take place. To overcome this situation, stainless steel rods which are more anodic than copper & highly resistant to corrosion are recommended. These rods are manufactured from austenitic stainless steel to BS970, grade 316S12

Rod DIA. mm	Total Length	Thread Dia	Cat. #
16	1500	M10	SSER1615
16	1800	M10	SSER1618
16	2400	M10	SSER1624
20	1500	M12	SSER2015
20	1800	M12	SSER2018
20	2400	M12	SSER2024

DRIVING HEAD
Made up of Re-usable high tensile steel
Can be used many times over and suitable for power hammering.

Thread Dia	Cat. #
M10	DH10
M12	DH12

INTERNAL COUPLING DOWEL
For Stainless Steel Rods
Made up of Stainless Steel

Thread Dia	Cat. #
M10	DC10S
M12	DC12S

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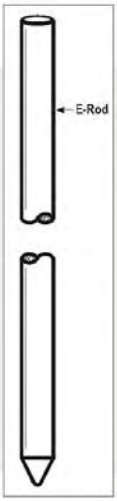
EARTHING EQUIPMENTS

EARTH RODS



GALVANISED STEEL EARTH ROD

These rods are made up of high strength low carbon steel and hot dipped galvanised to BS729
This design of rod is actually cost effective option for earthing

Rod DIA. mm	Total Length	Thread Dia	Cat. #
12	1200	UNTHREADED	GSER1212
12	1500	UNTHREADED	GSER1215
12	1800	UNTHREADED	GSER1218
12	2400	UNTHREADED	GSER1224
12	3000	UNTHREADED	GSER1230
14	1200	UNTHREADED	GSER1412
14	1500	UNTHREADED	GSER1415
14	1800	UNTHREADED	GSER1418
14	2400	UNTHREADED	GSER1424
14	3000	UNTHREADED	GSER1430
16	1200	UNTHREADED	GSER1612
16	1500	UNTHREADED	GSER1615
16	1800	UNTHREADED	GSER1618
16	2400	UNTHREADED	GSER1624
16	3000	UNTHREADED	GSER1630
20	1200	UNTHREADED	GSER2012
20	1500	UNTHREADED	GSER2015
20	1800	UNTHREADED	GSER2018
20	2400	UNTHREADED	GSER2024
20	3000	UNTHREADED	GSER2030

FITTINGS

CLAMPS

Earth rod clamps are manufactured from Gunmetal / high strength copper alloy.
Suitable for use with a combination of rod size and tape or conductors..

ROD TO TAPE CLAMP - TYPE 'A'

Rod Dia mm	Tape Width mm	Cat. #
9.5	25	RTC925A
14	25	RTC1425A
16	25	RTC1625A
20	50	RTC2050A
25	50	RTC2550A

ROD TO CABLE CLAMP - TYPE 'G'

Rod Dia mm	Conductor Range mm²	Cat. #
9.5	6-35	RCC935G
14	16 - 70	RCC1470G
16	16 - 95	RCC1695G
20	35-120	RCC20120G
25	70-185	RCC25185G

EARTHING EQUIPMENTS

FITTINGS

SPLIT CONNECTOR CLAMP - TYPE 'B'

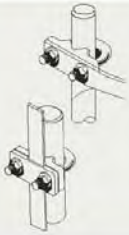
Most suitable for unthreaded rods.

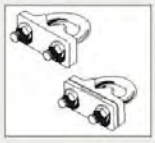
Rod Dia mm	Cat. #
9.5	SCGB9B
14	SCGB14B
16	SCGB16B
20	SCGB20B
25	SCGB25B

Note : Special design can be manufactured for threaded rods also.

U - BOLT ROD CLAMPS - TYPE 'E'

Gunmetal clamp suitable for connecting copper tapes to the rods
U-Bolts manufactured from copper alloy.





Rod Dia mm	Tape size mm	Cat. #
9.5	25	URC925E
14	25	URC1425E
16	25	URC1625E
20	50	URC2050E
25	50	URC2550E

U - BOLT ROD CLAMPS

Heavy Duty Clamp made of gun metal for
connecting copper round connectors to the earth rods

Rod Dia mm	Conductor Range mm^2	Cat. #
9.5	6-35	GUV935
14	16 - 95	GUV1495
16	16 - 95	GUV1695
20	70-185	GUV20185
25	70-185	GUV25185

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Clamps and Connectors

Grounding Connector Type GPL

Ground clamp connectors for cable connection to rod or pipe

Cat. No.	Accommodate inch		Wire Size	Wire Dia.
	Rod	Pipe	sq.mm.	inch
GPL 5	5/8, 3/4	3/8	25-70	.204-.419
GPL 6	5/8, 3/4	3/8	70-120	.365-.575
GPL 9	7/8, 1	1/2, 3/4	25-70	.204-.419
GPL 10	7/8, 1	1/2, 3/4	70-120	.365-.575
GPL 15	-	1	25-70	.204-.419
GPL 16	-	1	70-120	.365-.575
GPL 21	-	1 1/4	25-70	.204-.419
GPL 22	-	1 1/4	70-120	.365-.575
GPL 27	-	1 1/2	25-70	204-.419
GPL 28	-	1 1/2	70-120	.365-.575
GPL 33	-	2	25-70	.204-.419
GPL 34	-	2	70-120	.365-.575
GPL 39	-	2 1/2	25-70	.204-.419
GPL 40	-	2 1/2	70-120	.365-.575
GPL 45	-	3	25-70	.204-.419
GPL 46	-	3	70-120	.365-.575
GPL 57	-	3 1/2	25-70	.204-.419
GPL 58	-	3 1/2	70-120	.365-.575

Grounding Connectors Type GR

Cat. No.	Accommodate inch		Wire Size	Wire Dia.
	Rod	Pipe	sq.mm.	inch
GP 5	5/8, 3/4	3/8	25-70	.204-.419
GP 6	5/8, 3/4	3/8	70-120	.365-.575
GP 9	7/8, 1	1/2, 3/4	25-70	.204-.419
GP 10	7/8, 1	1/2, 3/4	70-120	.365-.575
GP 14	-	1	25-70	.204-.419
GP 15	-	1	70-120	.365-.575
GP 20	-	1 1/4	25-70	.204-.419
GP 21	-	1 1/4	70-120	.365-.575
GP 26	-	1 1/2	25-70	.204-.419
GP 27	-	1 1/2	70-120	.365-.575
GP 32	-	2	25-70	.204-.419
GP 33	-	2	70-120	.365-.575
GP 38	-	2 1/2	25-70	.204-.419
GP 39	-	2 1/2	70-120	.365-.575
GP 44	-	3	25-70	.204-.419
GP 45	-	3	70-120	.365-.575
GP 50	-	3 1/2	25-70	.204-.419
GP 51	-	3 1/2	70-120	.365-.575
GP 61	-	4	25-70	.204-.419
GP 62	-	4	70-120	.365-.575

ELSA

Clamp and Connectors

Type GT Ground Clamp Connector

Ground clamp connectors for cable connection to rod or pipe

Cat. No.	Accommodate inch		Wire Size	Wire Dia.
	Rod	Pipe	sq.mm.	inch
GT 5	5/8, 3/4	3/8	25-70	.204-.419
GT 6	5/8, 3/4	3/8	70-120	.365-.575
GT 9	7/8, 1	1/2, 3/4	25-70	.204-.419
GT 10	7/8, 1	1/2, 3/4	70-120	.365-.575
GT 14	-	1	25-70	.204-.419
GT 16	-	1	70-120	.365-.575
GT 19	-	1 1/4	25-70	.204-.419
GT 20	-	1 1/4	70-120	.365-.575
GT 25	-	1 1/2	25-70	.204-.419
GT 26	-	1 1/2	70-120	.365-.575
GT 31	-	2	25-70	.204-.419
GT 32	-	2	70-120	.365-.575
GT 37	-	2 1/2	25-70	.204-.419
GT 38	-	2 1/2	70-120	.365-.575
GT 43	-	3	25-70	.204-.419
GT 44	-	3	70-120	.365-.575
GT 49	-	3 1/2	25-70	.204-.419
GT 50	-	3 1/2	70-120	.365-.575
GT 55	-	4	70-120	.365-.575

Type GM

Ground clamp connector for cable to flat surface.

Cat. No.	Wire Size sq.mm.	Wire Dia. inch
GM 2	25-70	0.204-0.419
GM 3	70-120	0.365-0.575
GM 4	150-240	0.834-0.815

Type GMS

Ground clamp connector for cable to flat surface.

Cat. No.	Wire Size sq.mm.	Wire Dia. inch
GMS 2	25-70	0.204-0.419
GMS 3	70-120	0.365-0.575
GMS 4	150-240	0.834-0.815

Type GH

Ground clamp connector for cable to flat surface.

Cat. No.	Wire Size sq.mm.	Wire Dia. inch
GH 2	25-70	0.204-0.419
GH 3	70-120	0.365-0.575
GH 4	150-240	0.834-0.815

Type GHS

Ground clamp connector for cable to flat surface.

Cat. No.	Wire Size sq.mm.	Wire Dia. inch
GHS 2	25-70	0.204-0.419
GHS 3	70-120	0.365-0.575
GHS 4	150-240	0.834-0.815

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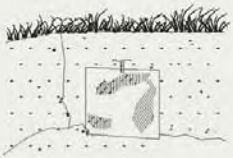
EARTHING EQUIPMENTS

EARTH PLATE

Earth plates are made up of electrolytic grade solid copper sheet
(Also on request made up of Steel sheet with electrolytic grade copper bonding.)



Solid Copper Earth Plates

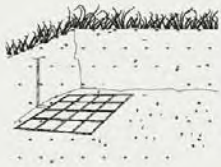
Plate Size mm	Cat. #
500x500x3	EPSC553
500x500x5	EPSC555
600x600x3	EPSC663
600x600x5	EPSC665
900x900x3	EPSC993
900x900x5	EPSC995
1000x1000x3	EPSC113
1000x1000x5	EPSC115

Copper Bonded Earth Plates

Plate Size mm	Cat. #
500x500x3	EPCB553
500x500x5	EPCB555
600x600x3	EPCB663
600x600x5	EPCB665
900x900x3	EPCB993
900x900x5	EPCB995
1000x1000x3	EPCB113
1000x1000x5	EPCB115

EARTH LATTICE

Earth Lattice is made from Copper Tape of various combination.
Copper tapes are of electrolytic grade copper.



Lattice Size mm	Copper Tape Size mm	No. of Strips	Cat. #
500x500	25x2	10	EL552
500x500	25x3	10	EL553
500x500	25x5	10	EL555
600x600	25x2	10	EL662
600x600	25x3	10	EL663
600x600	25x5	10	EL665
900x900	25x2	10	EL992
900x900	25x3	10	EL993
900x900	25x5	10	EL995
1000x1000	25x2	12	EL112
1000x1000	25x3	12	EL113
1000x1000	25x5	12	EL115

BONDS & CLAMPS

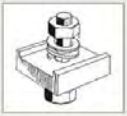
WATERMAIN PIPE BOND

Manufactured in Gunmetal.Water main pipe bond has application in bonding of metallic water main pipes & copper Tape to the Earthing or Lightning protection system.

Tape size mm.	Cat. #
25	WMC25
38	WMC38

EARTHING EQUIPMENTS

I) B BOND
Manufactured from Gunmetal. Used for bonding Tape to Steel structures.

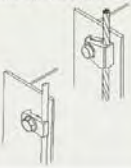


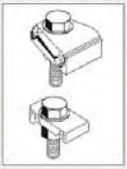
Tape size mm.	Bolt size	Cat. #
25	M10	SBB25
38	M10	SBB38

II) RWP BOND
Manufactured from Gunmetal. Used for bonding tape to Rainwater pipes etc.

Tape size mm.	Bolt size	Cat. #
25	M10	RWP25
38	M10	RWP38

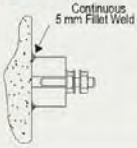
III) TOWER EARTH BOND.
Manufactured from Gunmetal.Used for bonding Copper Cables or wires to steel structures.

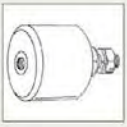




Conductor Size mm2.	Channel Thickness mm	Bolt size	Cat. #
16 - 70	10	M10	TEB70
70 - 120	10	M12	TEB120

EARTH BOSS
Manufactured from High Tensile mild steel, zinc plated to avoid corrosion & supplied with stud & Bolt made of steel with Spring & plain washer.





Length mm	Dia. mm	Thread Dia.	Cat. #
30	38	3/8"	EB3038
50	50	1/2"	EB5012

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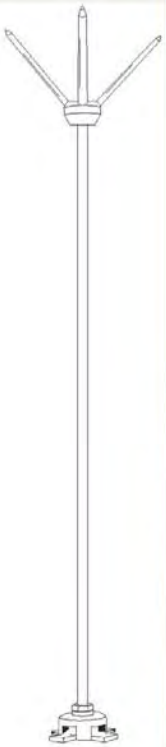
LIGHTNING PROTECTION SYSTEM

FLAT TAPE SYSTEM

TAPER POINTED AIR ROD

These Rods are made up of high conductivity E Grade Copper & Aluminum.
Rods can be installed with or without Multiple Points.

Rod Length mm	Rod Dia. mm	Thread Dia.	Material	Cat. #
300	14.2	5/8"	Copper	CTP316
500	14.2	5/8"	Copper	CTP516
1000	14.2	5/8"	Copper	CTP1016
2000	14.2	5/8"	Copper	CTP2016
500	17.2	3/4"	Copper	CTP520
1000	17.2	3/4"	Copper	CTP1020
2000	17.2	3/4"	Copper	CTP2020
300	14.2	5/8"	Aluminium	ATP316
500	14.2	5/8"	Aluminium	ATP516
1000	14.2	5/8"	Aluminium	ATP1016
1500	14.2	5/8"	Aluminium	ATP1516
2000	14.2	5/8"	Aluminium	ATP2016
500	17.2	3/4"	Aluminium	ATP520
1000	17.2	3/4"	Aluminium	ATP1020
2000	17.2	3/4"	Aluminium	ATP2020



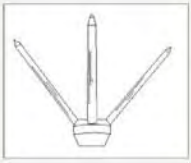
ELEVATION ROD

Manufactured from High conductivity Copper to BS 2874 & Aluminium to BS 2987

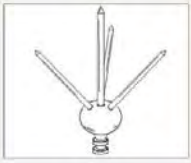
Rod Length mm	Rod Dia. mm	Thread Dia.	Material	Cat. #
500	14.2	5/8"	Copper	CER516
1000	14.2	5/8"	Copper	CER1016
1300	14.2	5/8"	Copper	CER1316
800	17.2	3/4"	Copper	CER820
1300	17.2	3/4"	Copper	CER1320
500	14.2	5/8"	Aluminium	AER516
1000	14.2	5/8"	Aluminium	AER1016
1300	14.2	5/8"	Aluminium	AER1316
800	17.2	3/4"	Aluminium	AER820
1300	17.2	3/4"	Aluminium	AER1320

MULTIPLE POINTS

Multiple points are made from Copper Alloy & the Taper Spike from E grade copper



Thread Dia.	Cat. #
5/8"	CMP16
3/4"	CMP20

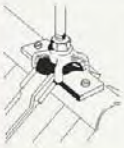


LIGHTNING PROTECTION SYSTEM

AIR TERMINAL BASE
Manufactured from Gunmetal & Aluminium.

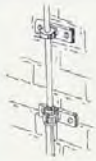
Rod Dia. mm	Thread Dia.	Max. Tape Conductor. mm	Rod Material	Cat. #
14.2	5/8"	30 x 6 mm	Copper	CATB16
17.2	3/4"	30 x 6 mm	Copper	CATB20
14.2	5/8"	30 x 6 mm	Aluminium	AATB16
17.2	3/4"	30 x 6 mm	Aluminium	AATB20

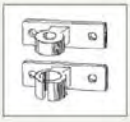
RIDGE SADDLE
Manufactured from Gunmetal. This is used for Supporting Lightning Conductor Air Terminals on the Roof Ridges.



Thread Dia.	Max. Tape Conductor. mm	Rod Material	Cat. #
5/8"	30 x 6 mm	Copper	RGS16
3/4"	30 x 6 mm	Copper	RGS20
5/8"	30 x 6 mm	Aluminium	RGS16
3/4"	30 x 6 mm	Aluminium	RGS20

ROD BRACKETS
Manufactured from Gunmetal & Aluminium & is used to support & continue Elevation Rod





Rod Dia. mm	Rod Material	Cat. #
14.2	Copper	CRB16
17.2	Copper	CRB20
14.2	Aluminium	ARB16
17.2	Aluminium	ARB20

ROD TO TAPE COUPLING
Manufactured from Gunmetal and Aluminium.
Used to connect Elevation Rod to Earthing Tape.

Rod Dia. mm	Thread Dia.	Rod Material	Cat. #
14.2	5/8"	Copper	CRTC16
17.2	3/4"	Copper	CRTC20
14.2	5/8"	Aluminium	ARTC16
17.2	3/4"	Aluminium	ARTC20

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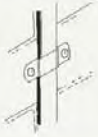
LIGHTNING PROTECTION SYSTEM

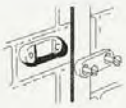
TAPE FIXINGS

TAPE CLIP
Manufactured from Copper & Aluminium.
They are used to Support & Secure Flat tape to the structure.



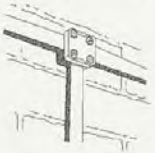
Conductor size, mm	Material	Cat. #
25 x 3	Copper	TCC25
38 x 3	Copper	TCC38
50 x 3	Copper	TCC50
25 x 3	Aluminium	TCA25
38 x 3	Aluminium	TCA38
50 x 3	Aluminium	TCA50

D.C TAPE CLIP
Manufactured from Gunmetal & is used for Supporting & Securing of Flat tapes to the structure.



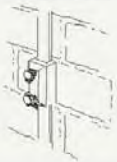
Conductor size, mm	Cat. #
25 x 3	DCG253
25 x 6	DCG256
38 x 3	DCG383
38 x 6	DCG386
50 x 3	DCG503
50 x 6	DCG506

SQUARE TAPE CLAMP
Manufactured from Gunmetal.
Suitable for 4 way connections,straight through or Tee joints for Tapes.



Conductor size, mm	Cat. #
25 x 3	STC253
25 x 6	STC256
38 x 3	STC383
38 x 6	STC386
50 x 3	STC503
50 x 6	STC506

OBLONG TEST CLAMP
Manufactured from Gunmetal. Suitable for straight through Tape joints.

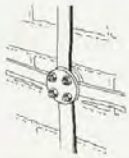


Conductor size, mm	Cat. #
25 x 3	OTC253
38 x 6	OTC386
50 x 6	OTC506

LIGHTNING PROTECTION SYSTEM

PLATE TEST CLAMP

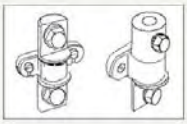
Manufactured from Gunmetal.
A Disconnecting joint between the down conductor system & Earthing system can be formed using this Clamp.
The clamp can be used as a 4-Way clamp.



Conductor size, mm	Cat. #
25 x 3	PTC253

BI-METALLIC CONNECTOR

This connectors are used in Bi-Metallic Earthing Systems.
It is recommended to use Inhibiting compound with this assembly.



Conductor size, mm	Cat. #
25 x 3 - Cu 25 x 3 - Alu	BMC 253
8mm - 12mm Alu. Rod 25 x 3 Cu Tape	BMC 0825

SLATE HOLD FAST

DC clip is riveted to the Tape Tail. These clamp is used for fixing tapes vertically or Horizontally on slated Roofs.

Conductor size, mm	Cat. #
25 x 3	SHF253
25 x 6	SHF256
38 x 3	SHF383
38 x 6	SHF386
50 x 3	SHF503
50 x 6	SHF506

BACK PLATE HOLDFAST STEM

Manufactured from Gunmetal. Required for installation of Tape when the Tape is to be secured away from the face of wall.
This should be used with appropriate D.C clip.

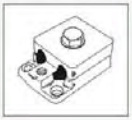
Conductor matl.	Cat. #
Copper	BPHS 01

LIGHTNING PROTECTION SYSTEM

CIRCULAR CONDUCTOR SYSTEM

AIR TERMINAL BASE

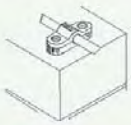
Manufactured from Gunmetal. Used for Vertical & Horizontal Mounting of Air rods.



Conductor size, mm2	Thread Dia.	Cat. #
25 - 70	3/8"	GTB7038
35 - 95	1/2"	GTB9512

HEAVY DUTY CONDUCTOR SADDLE

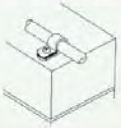
Manufactured from Gunmetal.
Used in conjunction with Wall Mounted Air Terminal Base.



Conductor size, mm2	Cat. #
25 - 35	HDS35
50 - 70	HDS70
95	HDS95

ONE HOLE CLIP

Manufactured from High Quality Copper sheet.
Used in Fixing Cable Conductors.



Conductor size, mm2	Cat. #
25 - 35	OHC35
50 - 70	OHC70
95	OHC95

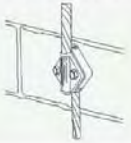
SQUARE CLAMP

Manufactured from Gunmetal.
Suitable for 4 way connections, straight through or Tee joints for Rods.

Conductor size, mm2	Cat. #
35	GSQ35
50	GSQ50
70 - 95	GSQ95

TEST CLAMP

Manufactured from Gunmetal.
Used in overlapping Joints.



Conductor size, mm2	Cat. #
35	TEC35
50	TEC50
70 - 95	TEC95

EARTHING CONDUCTORS

BARE COPPER TAPE

Copper Tapes are manufaclured from High Conductivity E grade Copper to BS 1432 - C101/C103

Conductor size(A x B) mm	Cat. #
12.5 x 1.5	ECT121
12.5 x 3	ECT123
20 x 1.5	ECT201
20 x 3	ECT203
25 x 1.5	ECT251
25 x 3	ECT253
25 x 4	ECT254
25 x 6	ECT256
30 x 3	ECT303
30 x 6	ECT306
38 x 3	ECT383
38 x 5	ECT385
38 x 6	ECT386
40 x 4	ECT404
40 x 6	ECT406
50 x 3	ECT503
50 x 4	ECT504
50 x 6	ECT506

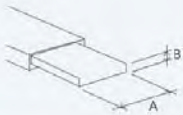
PVC COVERED COPPER TAPE

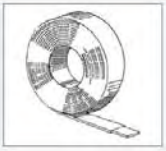
High Conductivity Copper Tapes ,PVC covered to BS 6746

Conductor size(A x B) mm	Cat. #
12.5 x 1.5	PECT121
25 x 3	PECT253
25 x 6	PECT256
38 x 6	PECT386
50 x 6	PECT506

Also other sizes available

TINNED COPPER TAPE





Conductor size(A x B) mm	Cat. #
12.5 x 1.5	TECT121
25 x 3	TECT253
25 x 6	TECT256

Also PVC Covered

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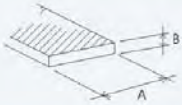
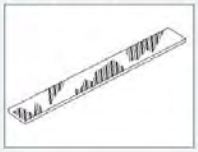
EARTHING CONDUCTORS

HARD DRAWN COPPER BAR

Hard Drawn High Conductivity Copper Bars manufactured to BS2874 - C101/C103





Bare Hard Drawn Bars

Conductor size(A x B) mm	Cat. #
25 x 3	HCB253
25 x 6	HCB256
38 x 6	HCB386
50 x 6	HCB506
50 x 10	HCB5010
75 x 6	HBC756

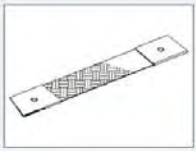
For Tinned Hard Drawn Bars add Suffix " **T** " to the Cat. #
Also available in various sizes & lengths.

FLEXIBLE COPPER BRAID

Manufactured from High Conductivity Copper Wire to BS4109 - C101.
Suitable for Earth Bonding.Also supplied as Standard pre-cut & Drilled Bonds.
This is used for Bonding of Gates,Metal Doors, Fences & Application
where Flexibility is Required.

Overall size (A x B)mm	Size (mm2)	Cat. #
12 x 1.5	8.4	FB121
12 x 3	16.8	FB123
19 x 1.5	12.1	FB191
19 x 3.0	22.4	FB193
25 x 1.5	19.6	FB251
25 x 3	36.5	FB253
25 x 6	73	FB256
32 x 1.5	36.5	FB321
32 x 3	42.1	FB323
32 x 6	81.4	FB326
38 x 3	53.3	FB383
38 x 6	80	FB386
50 x 3	70.2	FB503
50 x 6	109.5	FB506
50 x 12	280	FB5012
75 x 6	140.4	FB756

FLEXIBLE CONNECTORS



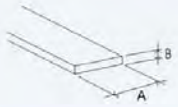
Type	Center to Center Dist. of fixing Hole,mm	Braid Dim. mm	Hole Size mm	Cat. #
Single Bond	200	25 x 3.5	12	FDB200
	300	25 x 3.5	12	FDB300
	400	25 x 3.5	12	FDB400

Other sizes & types of braid can be made to order.Add suffix " **T** " for Tin Plated to the Cat. #

EARTHING CONDUCTORS

BARE ALUMINIUM TAPE

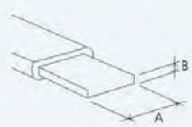
Aluminium Tape is manufactured to BS 2898 - 1350

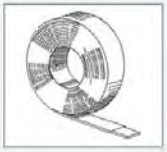


Conductor size(A x B) mm	Cat. #
12.5 x 1.5	BAT121
25 x 3	BAT253
25 x 6	BAT256
38 x 6	BAT386
50 x 6	BAT506

PVC COVERED ALUMINIUM TAPE

High Conductivity Aluminium Tapes PVC covered to BS 6746





Conductor size(A x B) mm	Cat. #
12.5 x 1.5	PBAT121
25 x 3	PBAT253
25 x 6	PBAT256
38 x 6	PBAT386
50 x 6	PBAT506

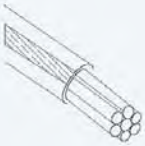
BARE STRANDED COPPER CONDUCTORS

Made from Soft Drawn Stranded Copper to BS 6360

Conductor size mm2	No. of Stranding/ Wire Dia. mm	Cat. #
6	7/1.04	SSBC6
10	7/1.4	SSBC10
16	7/1.7	SSBC16
25	7/2.14	SSBC25
35	7/2.52	SSBC35
50	19/1.78	SSBC50
70	19/2.14	SSBC70
95	19/2.52	SSBC95
120	37/2.03	SSBC120
150	37/2.25	SSBC150
185	37/2.52	SSBC185

PVC COVERED STRANDED COPPER CONDUCTOR.

PVC covered Soft Drawn Copper conductor to BS 6004.



Conductor size mm2	No. of Stranding / Wire Dia. mm	Cat. #
16	7/1.7	PSC16
25	7/2.14	PSC25
35	7/2.52	PSC35
50	19/1.78	PSC50
70	19/2.14	PSC70
95	19/2.52	PSC95
120	37/2.03	PSC120
150	37/2.25	PSC150
185	37/2.52	PSC185
240	61/2.25	PSC240
300	61/2.52	PSC300
400	61/2.85	PSC400

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