

## ELPS ACCESSORIES

### Copper Alloy Clamps

These clamps are made from a Copper alloy body which gives strong resistance to corrosion. HEX offers following range of clamps :-

#### Clamp - A type

Suitable for Rod dia. 12 mm

Material : Brass with MS fastener

PROD. CODE : HAC - 1

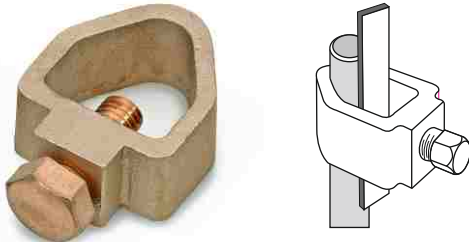


#### Rod to Tape Clamp - B type

Rod Size	Tape Size	Product Code
5/8"	26 x 12	HBC - 1
5/8"	40 x 12	HBC - 2
5/8"	51 x 12	HBC - 3

Also available in Gunmetal.

Please add G to Prod. Code (Ex. HBC-1 G for HBC-1)

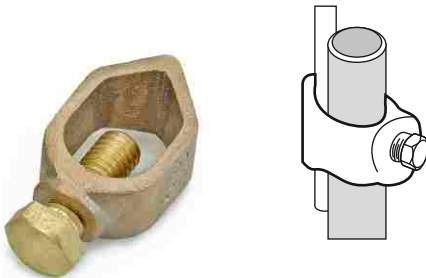


#### Rod to Cable Clamp - C type

Rod Size	Cable Size	Product Code
3/8" or 9.5mm	35mm <sup>2</sup>	HCC - 1
5/8" or 16mm	50mm <sup>2</sup>	HCC - 2
5/8" or 16mm	70mm <sup>2</sup>	HCC - 3
3/4" or 20mm	95mm <sup>2</sup>	HCC - 4

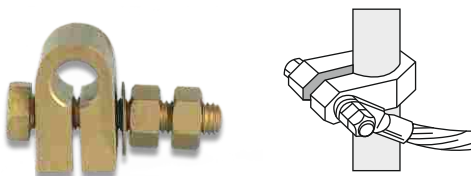
Also available in Gunmetal.

Please add G to Prod. Code (Ex. HCC-1 G for HCC-1)



#### Rod to Cable Lug Clamp - D type

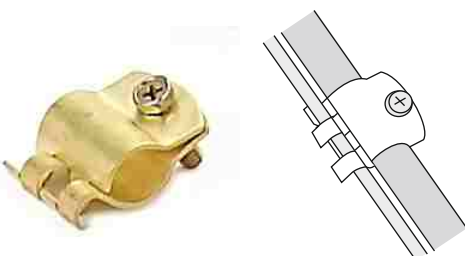
Rod Dia.	Product Code
3/8" or 9.5mm	HDC - 1
5/8" or 16mm	HDC - 2
3/4" or 20mm	HDC - 4



#### Brass Cable Clip

Used for connecting 13mm rod to a cable range from 6 - 16 mm<sup>2</sup>

PROD. CODE : HBCC - 1



## ELPS ACCESSORIES

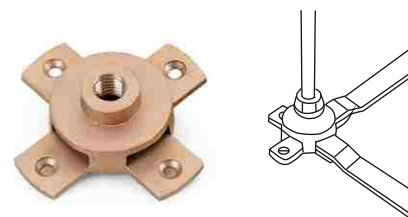
### Light Duty Saddle

Mtl : Brass / Gunmetal

Used for supporting Air Terminals.

Thread Dia. mm	Max Cond. Width mm	Product Code
10	25	HLD - 1025
16	25	HLD - 1625
20	25	HLD - 2025

Also available for Aluminium conductor, please specify your requirement.



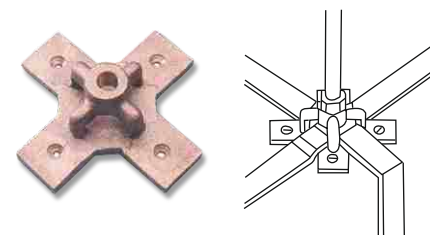
### Flat Saddle

Mtl : Brass / Gunmetal

Used for supporting Air Terminals.

Thread Dia. mm	Max Cond. Width mm	Product Code
10	25	HFLD - 1025
16	25	HFLD - 1625
20	25	HFLD - 2025

Also available for Aluminium conductor, please specify your requirement.

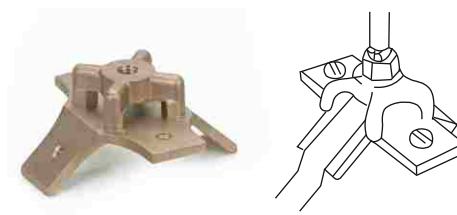


### Ridge Saddle

PROD. CODE : HRDS - 1

Mtl - Gunmetal / Brass

Used for supporting Air Terminals on Ridges.



### Side Mounting Rod Bracket

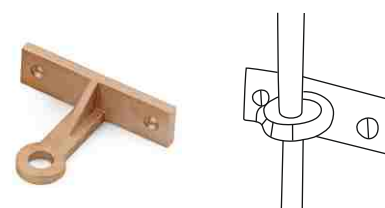
Mtl : Brass / Gunmetal

Above bracket provides a 75mm projection from the face of a wall.

Mfd. either in Gunmetal or Brass.

Air Rod Diameter (mm)	Product Code
10	HSM - 10
16	HSM - 16
20	HSM - 20

Also available for Aluminium conductor, please specify your requirement.



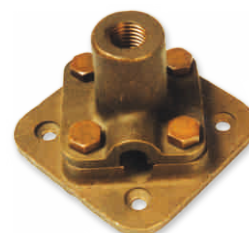
### Flat Saddle - A

Mtl : Brass / Gunmetal

Used for fixing air rods on flat surfaces.

Recommended fixing :- Countersunk woodscrew 1½" x no.10 & wall plug.

Rod Length	Rod Dia.	Thread Dia.	Prod. Code
50 mm	15 mm	5/8	HSD - 155
70 mm	15 mm	5/8	HSD - 160
95 mm	15 mm	5/8	HSD - 165



## ELPS ACCESSORIES

### Copper Alloy Clamps

#### U Bolt - Rod Clamp

These are made from Copper with Gunmetal plate.

They can be supplied for all rods from 5/8" to 1" and Copper Tape

Nom. Rod	Hole Centres	Product Code
5/8"	37 mm	HUU - 16
3/4"	37 mm	HUU - 20
1"	37 mm	HUU - 25

#### Double Plate "U" Bolt Clamp

Used to connect flat tapes in a vertical position on the rod.

Material : Gunmetal Plate with M10 threaded 'U' Bolt.

Maximum Rod Dia. mm	Tape Width mm	Product Code
16	25	HUDP 216
25		HUDP 225
31		HUDP 231
38		HUDP 238
50		HUDP 250

#### U Bolt - Rod to Cable Clamp

These are used for connecting Rods to Cables.

Available with different Rod & Cable size.

Material : Gunmetal Plates with 'U' Bolt

Nominal Rod Diameter		Conductor Range mm <sup>2</sup>	Product Code
5/8"	16 mm	16 - 95	HURC - 1
3/4"	20 mm	16 - 70	HURC - 2
5/8"	16 mm	70 - 185	HURC - 3
3/4"	20 mm	70 - 150	HURC - 4
5/8"	16 mm	150 - 300	HURC - 5
3/4"	20 mm	150 - 300	HURC - 6

### Comb Clamps

Max Cond.	Product Code
6 - 8	HCP - 1
9 - 12	HCP - 2

1 bolt brass comb clamp for round conductors with galvanised steel screws in accordance with IEC Standards

Max Cond.	Product Code
6 - 8	HCP - 3
9 - 12	HCP - 4

2 bolts brass comb clamp for round conductors with galvanised steel screws in accordance with IEC Standards

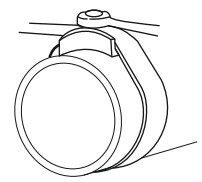
## ELPS ACCESSORIES

### Watermain Bond

Mtl - Gunmetal

These are used for bonding copper tape to Watermain pipes.

Max. Tape Width mm	Conductor Material	Product Code
26	Copper	HWMB - 26C
26	Aluminium	HWMB - 26A

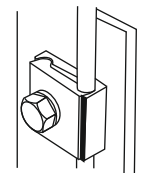
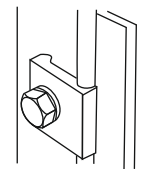


### Tower Bond Clamp

Mtl - Gunmetal

These are suitable for bonding copper cable or wire to steel structures.

Cond. Size mm <sup>2</sup>		Channel Thickness mm	Bolt	Product Code
Min.	Max.			
16	70	10	M10	HTB - 16
70	120	10	M12	HTB - 70
25	50	10	M10	HTB - 25
25	50	10	M10	HTB - 25A

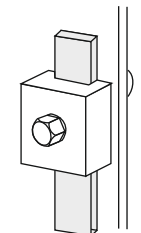
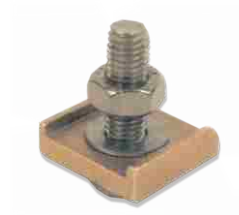


### Tower Bond Clamp

Mtl - Gunmetal

These are used for bonding tape to steel structures.

Max. Tape Width mm	Bolt Size	Product Code
26	M 10	HB - 26C (For Copper Conductor)
26	M 10	HB - 26A (For Aluminium Conductor)

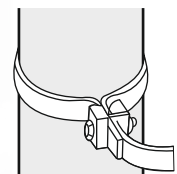


### Rain Water Pipe Bonds - A

Mtl - Gunmetal

These are suitable for bonding solid tape to Rain Water Pipes, Handrails etc.

Max. Tape Width mm	Bolt Size	Product Code
26	M 10	HRW - 26C (For Copper Conductor)
26	M 10	HRW - 26A (For Aluminium Conductor)

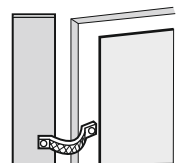


### Flexible Braid Bond

Mtl - Copper

Copper Flexible Braids are used for bonding gates, doors, fences etc.

Size mm	Cross Section area	Hole Size mm	Hole Centre mm	Product Code
25 x 3.5	35 mm <sup>2</sup>	11	200	HFB - 252
25 x 3.5	35 mm <sup>2</sup>	11	400	HFB - 254



## ELPS ACCESSORIES

### Rod to Tape Coupling

Mtl : Brass / Gunmetal

Used to secure Air Terminals by means of a bolted connection.

Air Rod Dia. mm	Thread Dia. mm	Rod Material	Prod. Code
15	16	Copper	HRT - 16C
15	16	Aluminium	HRT - 16A

### Tape Clip

Mtl : Brass

These are used with Bare Copper Tape.

Conductor Size mm	Prod. Code
20 x 3	HTC - 203
25 x 3	HTC - 253
50 x 6	HTC - 506

### DC Tape Clip

Mtl : Naval Brass / Gunmetal

These are used with Bare Copper Tape Down Conductor.

Conductor Size mm	Prod. Code
25 x 3	HDTC - 253
25 x 6	HDTC - 256
40 x 6	HDTC - 406
50 x 6	HDTC - 506

### Square Tape Clamp

Mtl : Brass / Gunmetal

These are suitable for Two Way Connections of Copper Tape

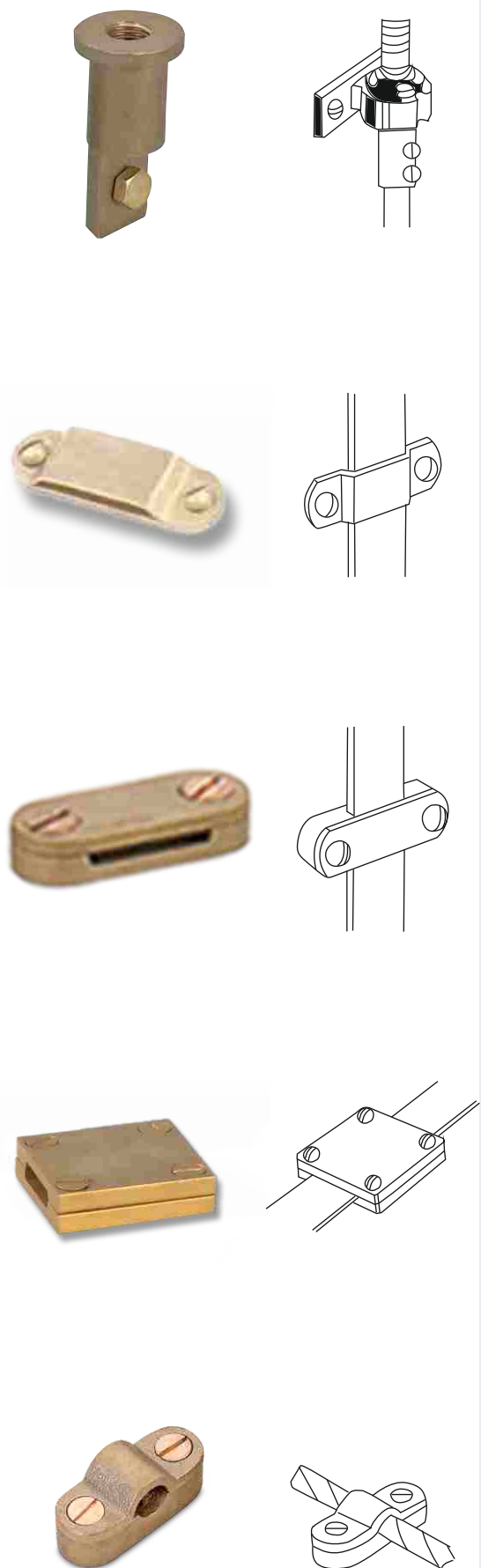
Conductor Size mm	Prod. Code
25 x 3	HSTC - 253
25 x 4	HSTC - 254
25 x 6	HSTC - 256
50 x 6	HSTC - 506

### Heavy Duty Cast Cable saddle

Mtl : Copper / Brass

These are used with 8mm conductor or for supporting Air Terminals when used in conjunction with wall mounted Air Terminal base.

Conductor Dia. (mm)	Product Code
8	HDCC - 8
10	HDCC - 10



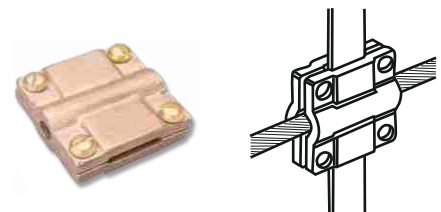
## ELPS ACCESSORIES

### Cable to Tape Junction Clamp

Mtl : Gunmetal / Brass

These are used for connecting Copper Tape to round conductors.

Tape Size mm	Cable Size mm <sup>2</sup>	Product Code
25 x 3	50	HCTJ - 253

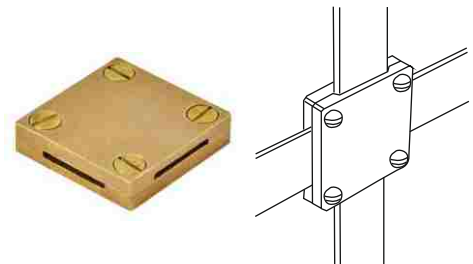


### Tape to Tape Junction Clamp

Mtl : Gunmetal / Brass

These are used for connecting Copper Tape to Tape.

TAPE SIZE mm	PROD. CODE
25 x 3	HTTJ - 253

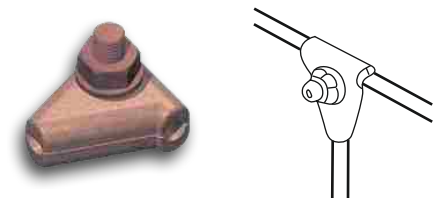


### Tee Clamp

Mtl : Copper / Brass

These are used for forming a Tee joint for solid circular conductors.

Conductor Dia. (mm)	Product Code
8 Cu	HTEC - 8C
8 Al	HTEC - 8A

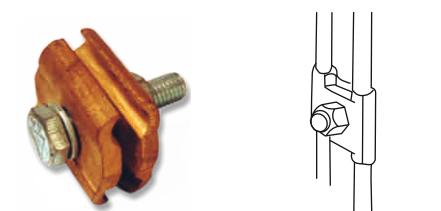


### Jointing Clamp

Mtl : Copper / Brass

These are used for forming straight through parallel joints of solid circular conductors.

Conductor Dia. (mm)	Product Code
8 Cu	HJC - 8C
8 Al	HJC - 8A

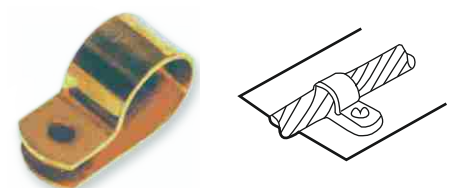


### One Hole Cable Clip

Mtl : Copper

These clips are designed as fixings for a wide range of stranded cable conductors.

Conductor Dia. (mm)	Product Code
8	HOH - 8
12	HOH - 12
16	HOH - 16
20	HOH - 20



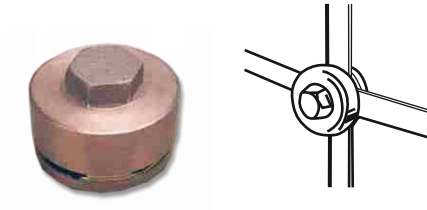
## ELPS ACCESSORIES

### Screwdown Test Clamp

Mtl : Gunmetal / Brass

These are used for fixing 4 Way Copper Tape

Conductor Size (mm)	Product Code
25 x 3	HSDTC - 253

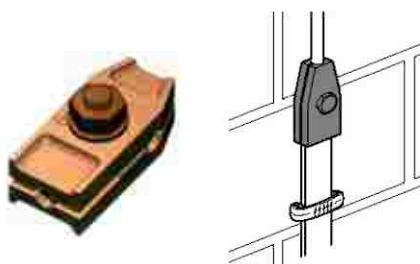


### Interface Test Clamps

These Clamps are used to connect flat tape to solid round conductor.

It will also serve for making through joints and tee connections for 8 mm solid round conductor.

Application with	Material	Product Code
Copper Conductor	Gunmetal	HJYG - 08
Aluminum Conductor	Aluminum	HJYA - 08



### Oblong Test Clamp

Mtl : Gunmetal / Brass

These are used with Bare Copper Tape Conductor

Conductor Size (mm)	Product Code
25 x 3	HOT - 253
40 x 6	HOT - 406
50 x 6	HOT - 506

Also available for Aluminium conductor, please specify your requirement.



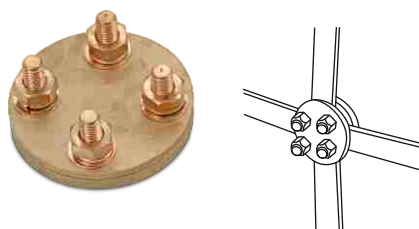
### Test Bond / Test Clamp

Mtl : Gunmetal / Brass

These are used for 4 way Copper Tape connection.

Conductor Size (mm)	Product Code
26 x 12	HTBC - 2612

Also available for Aluminium conductor, please specify your requirement.





## ELPS ACCESSORIES

### Plastic DC Tape Clip

Material	Specification	Product Code
25 x 3 mm	High Impact PVC	HPDT - 021



### Wire Holder

Nylon - 6 holder for 10mm wire.  
Product Code HWHP - 6



### Pipe Holder

Nylon - 6 holder for 1" dia. Pipes / Cables / Conduits.  
Product Code HPHN - 6



### Square Type Earth-clamp Holder

Size mm	Specification	Product Code
8.0	Nylon 6 Clamp	HNSC - 028



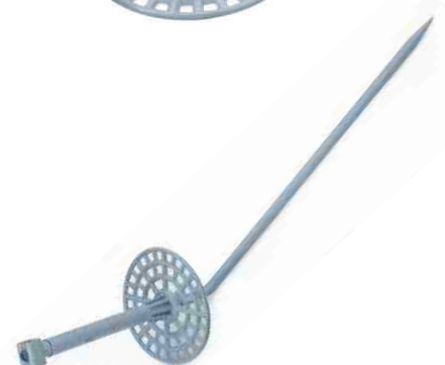
### Round Type Earth-clamp Holder

Size mm	Specification	Product Code
8.0	Nylon 6 Clamp	HNSC - 028



### Round Disc Holder With PVC Pointed Earthing Rod Assembly

Size mm	Specification	Product Code
8.0	Round Clamp Assembly	HRCA - 028



### Roof Conductor Support

Used for flat roof made up of black, weather resistant plastic a recyclable filling with one conductor holder.

Size mm	Specification	Product Code
8.0	Plastic Enclosed box and Lid	HURCH - 010







## ELPS ACCESSORIES

### Wall & Roof Conductor Holders

#### Niro Clip Snap-on-holder

Used for attaching wires to walls.

Material : Snap - on mechanism and base made up of stainless steel grade 304

Size mm	Specification Metal -Top & Base	Dia. in mm	Product Code
8.0 / Type HFL	S.S. 304	7.0	HNC - 001
8.0 / Type HFL	S.S. 304	6.0	HNC - 002



### Roof Conductor Holder With Niro-clip

Universal Roof Conductor Holder as per DIN 48826 B

Size mm	Specification	Holder	Product Code
8.0	S.S. 304	Plastic	HURCH - 008
8.0	Copper	Plastic	HURCH - 009



### Wall & Roof Conductor Holders (for attaching wire to wall)

As per DIN 48286 B pit for all the sizes

Size mm	Specification Clips	Holder	Product Code
8.0 / Type HFL	S.S./Galvanized/Varnished	Niro Clip	HNC - 011
8.0 / Type HFL	S.S./Galvanized/Varnished	Niro Clip	HNC - 012
8.0 / Type HFL	S.S./Galvanized/Varnished	Niro Clip	HNC - 013
8.0 / Type HFL	S.S./Galvanized/Varnished	Niro Clip	HNC - 014



### Half Saddle

Material : SS / MS Zinc Plated / Hot Dip galvanised  
(to be specified in the enquiry)

Range : 16mm to 50mm



### Full Saddle

Material : SS / MS Zinc Plated / Hot Dip galvanised  
(to be specified in the enquiry)

Range : 12mm to 50mm



### Multi Clamp

Available from 8 mm to 16 mm rod connection

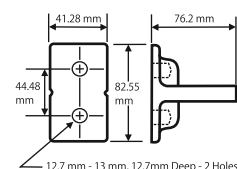
Size mm	Specification	Product Code
8.0 - 10.0	S. S. 304 / Glavanized	HMC - 024
8.0 - 16.0	Copper	HMC - 025

## ELPS ACCESSORIES

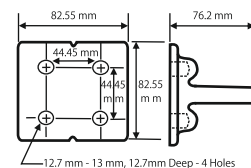
### Cast Ground Plate or Earth Plate

These Plates when used in concrete structures offer convenient ground system connection points. They are used where reinforcing bars are electrically continuous & are to be used as down conductors. These earth points allow easy access for the lightning protection & earthing system.

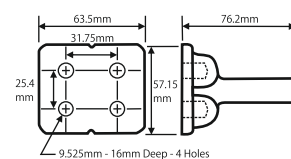
Drwg. No.	Cond. Size	Hole	Product Code
A	120	2 Hole	HCCP - 2120
B	120	4 Hole	HCCP - 4120
B	240	4 Hole	HCCP - 4240
C	240	4 Hole	HCCPL - 4240



Drwg. A : HCCP - 2120



Drwg. B : HCCP - 4120 / HCCP - 4240



Drwg. C : HCCPL - 4240

### Equipotential Bonding Bars

Equipotential Bonding Bar with HIP Plastic Cover and Base suitable for connecting.

#### Specification in mm

1 x flat bands to max. 30 x 5 or 8 to 10

1 x 8 - 12 round conductor

7 x one or multi-wired conductor to max. 25 mm<sup>2</sup> and 16 mm<sup>2</sup>



### Earth Blocks

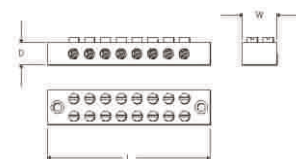
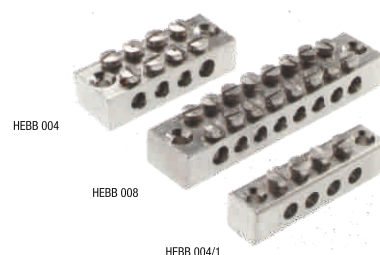
HEX Earth Blocks are used for Termination of earth Conductors or live conductors.

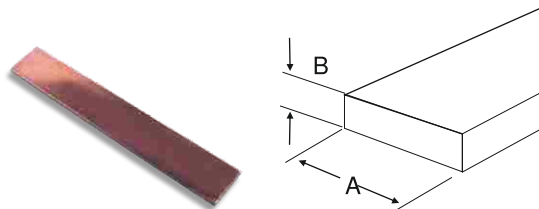
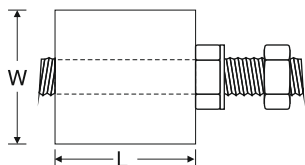
Type	L mm	W mm	D mm	Product Code
4 -Way Single	54	18	12	HEBB 004/1
4 -Way Double	51	19	12	HEBB 004
8 -Way Double	88	19	12	HEBB 008

Material : Brass

Finish : Nickel Plated

Tin Plated available on request.





## ELPS ACCESSORIES

### Copper Earth / Link

Product Code : Copper Earth/Link

Finish : Copper/Tinned

### Earth Boss

Material : Body - Mild Steel, Fittings - Stainless Steel

The earth boss is designed to provide an earth point on a steel structure. It is welded into place.

Hole Thread	L	W	Product Code
10	50	50	HPB - 01

Other sizes are manufactured on request.

### Conductors

Hard Drawn Copper Bar

High conductivity Copper Bar to

BS - 2874 - C101/C103

Supplied in max. lengths of 3 mtrs.

Tinned on request.

Conductor Size mm	Product Code
25 x 3	HDCB - 253
25 x 6	HDCB - 256
38 x 6	HDCB - 386
50 x 6	HDCB - 506
50 x 10	HDCB - 5010
75 x 6	HDCB - 756

### PVC Covered Copper Tape

Conductor size mm	Standard coil size (mtrs.)	Product Code
12.5 x 1.5 mm	50m	HCTI - 125/15
25 x 3 mm	50m	HCTI - 253
25 x 6 mm	25m	HCTI - 256
50 x 6 mm	20m	HCTI - 506

Std. Colour : Black

Other colours are available on request.

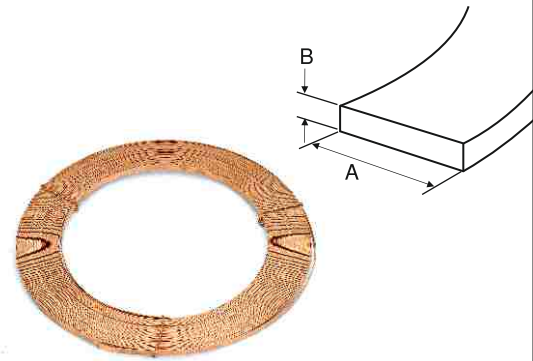
## ELPS ACCESSORIES

### Conductors

Bare Copper Tape

High conductivity Cu Tape to BS - 1432 - C101/C103

Conductor (A x B) mm	Product Code
20 x 1.5	HCT - 2015
25 x 1.5	HCT - 2515
25 x 3	HCT - 253
25 x 4	HCT - 254
25 x 6	HCT - 256
40 x 6	HCT - 406
50 x 3	HCT - 503
50 x 6	HCT - 506



### Flexible Copper Braids

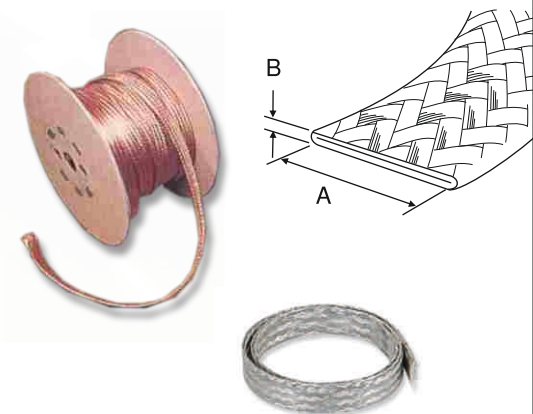
High conductivity Copper Wire to BS - 4109 - C101

Suitable for Earth Bonding.

Also supplied as Standard Drilled & Pre-Cut Bonds.

Customer specific sizes & types of braid can be manufactured on order.

Size mm <sup>2</sup>	Overall Nominal Equivalent Size mm (AxB)	Product Code
8.75	Bare Braid 15 x 1.4	HBB - 151
34.7	Bare Braid 25 x 3.5	HBB - 253
34.7	Tinned Braid 25 x 3.5	HTB - 253



### Conductors - Solid / Stranded

Bare Solid round Conductor

Cu to BS - 1433 - C101 / 103

Al to BS 2898 - 1350

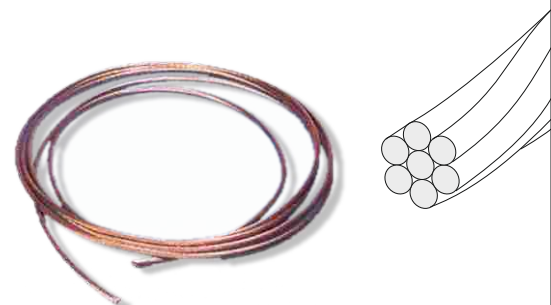
Conductor	Dia. (D) mm	Cross Section area mm <sup>2</sup>	Product Code
Copper	8	50.27	HBSC - 8C
Aluminium	8	50.27	HBSC - 8A



### Bare Stranded Copper Conductor

Soft Drawn Cu Conductor to BS - 6360

Size mm <sup>2</sup>	No. of Strands	Dia. of Strands (mm)	Product Code
6	7	1.04	HBCU - 6
16	7	1.70	HBCU - 16
25	7	2.14	HBCU - 25
35	7	2.52	HBCU - 35
50	19	1.75	HBCU - 50
70	19	2.14	HBCU - 70
95	19	2.52	HBCU - 95





HDL - 11



HDL - 14



HDL - 12

## ELPS ACCESSORIES

### Disconnecting Links

Material for Disconnecting Links and Earth Bars :

Bar : 50 x 6mm hard drawn copper bar BS EN 13601

Base : Plastic. Also available with Steel Base on request.

Fittings : M10 Hexagon Head Set Screws, Nuts & Washers.

Other sizes & combinations of Earth Bars / Disconnecting Links are manufactured as "Special Items" and on request.

Recommended fixing by countersunk wood screw 1½" No. 12 and No. 12 wall plug.

Disconnecting Link	Length in mm	Width in mm	Product Code
	125	90	HDL - 11

### Earth Bars

No. of Terminations	L mm	W mm	Product Code
6	400		HDL 14
8	500		HDL 15
10	600		HDL 16
12	700		HDL 17
14	800		HDL 18
16	950		HDL 19
18	1100	90	HDL 20
20	1250		HDL 21
22	1300		HDL 22
24	1400		HDL 23
26	1550		HDL 24
28	1650		HDL 25
30	1800		HDL 26

### Earth Bars with Single Disconnecting Link

No. of Terminations	L mm	W mm	Product Code
6	475		HDL 12
8	575		HDL 27
10	680		HDL 28
12	780		HDL 29
14	880		HDL 30
16	1025		HDL 31
18	1175	90	HDL 32
20	1325		HDL 33
22	1375		HDL 34
24	1475		HDL 35
26	1625		HDL 36
28	1725		HDL 37
30	1875		HDL 38

## ELPS ACCESSORIES

### Earth Bars with Double Disconnecting Links

No. of Terminations	L mm	W mm	Product Code
6	550		HDL 13
8	650		HDL 39
10	750		HDL 40
12	900		HDL 41
14	1000		HDL 42
16	1100		HDL 43
18	1250	90	HDL 44
20	1400		HDL 45
22	1450		HDL 46
24	1550		HDL 47
26	1700		HDL 48
28	1800		HDL 49
30	1950		HDL 50



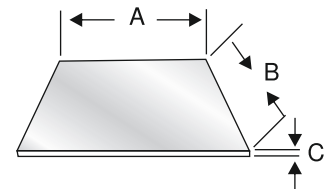
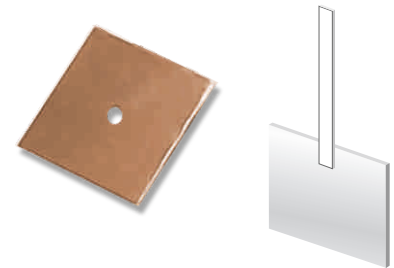
HDL - 13

### Earth Plate

#### Solid Copper Earth Plate

Mtl : Electrolytic Copper

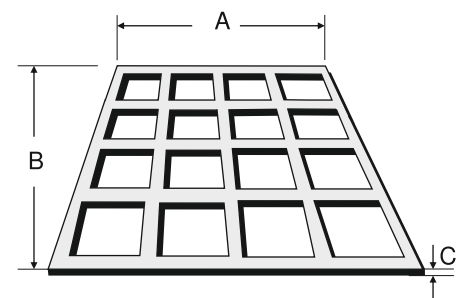
SIZE (A x B x C)	PRODUCT CODE
600 x 600 x 1.5	HSCP - 615
600 x 600 x 3	HSCP - 63
600 x 600 x 5	HSCP - 65
500 x 500 x 3	HSCP - 53
500 x 500 x 3	HSCP - 55
900 x 900 x 3	HSCP - 93
900 x 900 x 5	HSCP - 95
1000 x 1000 x 3	HSCP - 103
1000 x 1000 x 5	HSCP - 105



### Copper Bonded Earth Plate

Mtl : Steel

SIZE (A x B x C)	PRODUCT CODE
600 x 600 x 1.5	HBP - 615
600 x 600 x 1.5	HBP - 515
600 x 600 x 3	HBP - 63
900 x 900 x 3	HBP - 93
500 x 500 x 3	HBP - 53



### Earth Plate Lattice - Copper

Mtl : Electrolytic Copper

SIZE (A x B x C)	PRODUCT CODE
600 x 600 x 3	HLP - 63
900 x 900 x 3	HLP - 93
500 x 500 x 3	HLP - 53



## ELPS ACCESSORIES

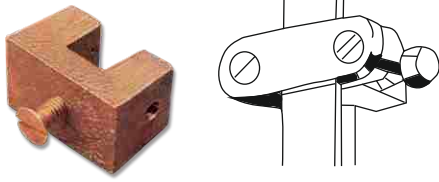
### Glazing Bar Holdfast

Mtl : Gunmetal / Aluminium

These are secured to Glazing Bar, Steel Frame, Girdles etc.

This item is designed for use with appropriate size of metallic on non-metallic conductor fixing.

Max. Glazing Bar Width mm	Application with	Product Code
12	Copper Tape	HGBH - 12C
12	Aluminum Tape	HGBH - 12A



### Back Plate Holdfast Stem

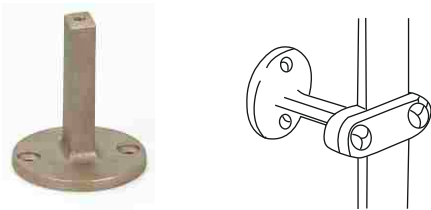
Mtl : Gunmetal

For use with appropriate DC Tape Clip.

It is used when the installation requires the tape to be secured 75 mm away from the face of the building.

Prod. Code : HBPH - 12

Also available for Aluminium conductor, please specify your requirement.

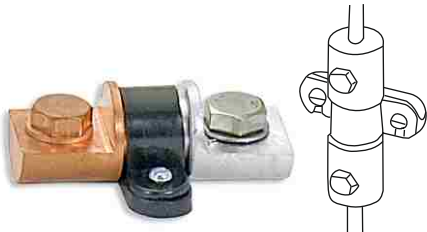


### Bi-Metallic Connector

Mtl : Copper & Aluminium

These are used for joining Aluminium & Copper round or flat conductors together.

Application	Product Code
8 mm Dia. Al to 8 mm Dia. Cu	HBI - 8
8 mm Dia. Al to 25 x 3 Cu Tape	HBI - 825
20 x 3 Al Tape to 20 x 3 Cu Tape	HBI - 203
25 x 3 Al Tape to 25 x 3 Cu Tape	HBI - 253



## 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.