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**Kingsmill Earth Bars are manufactured using only the highest quality raw materials.**

We offer an extensive range of standard, single-linked and twin-linked Earth Bars and can also manufacture to your own specifications.



# Introduction

Kingsmill can manufacture a range of Earth Bars to suit any telecoms, power and equipotential bonding requirements.

**EARTH BARS**

pages EB:6 - 12



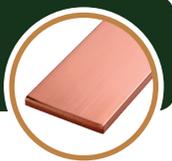
**INSULATORS**

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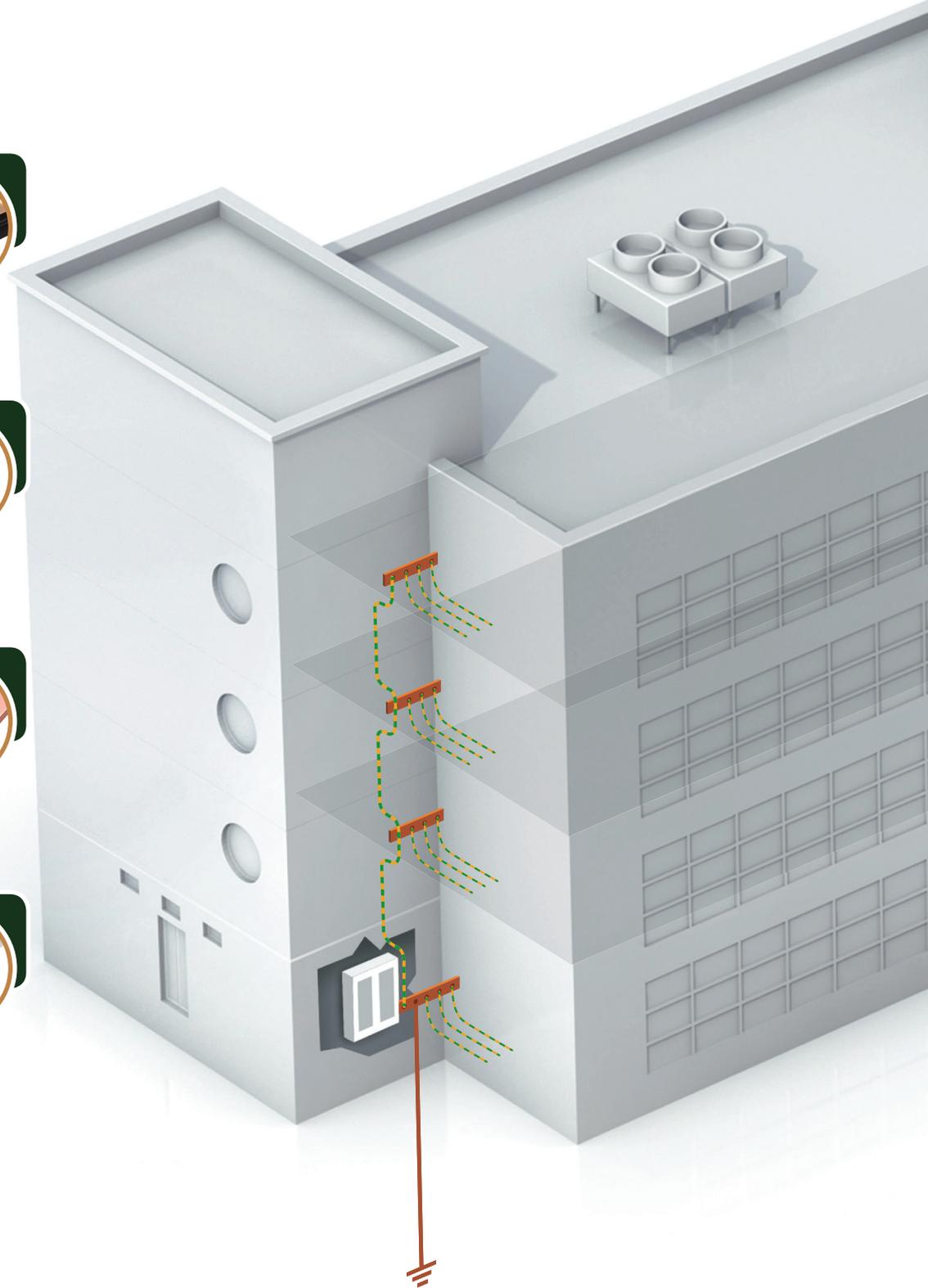
**HARD DRAWN BAR**

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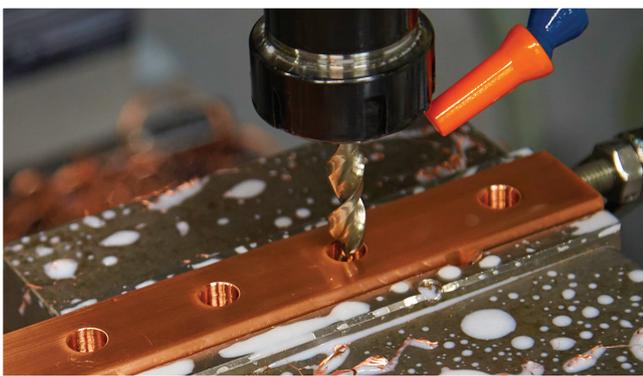


**CABLE LUGS**

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# High Quality Earth Bars



## Manufacturing to Design Specification

Standard Earth Bars meet the requirements of most applications.

However, we can design and manufacture an Earth Bar to suit special applications.

Send your specification to us and we will design a bespoke Earth Bar. *This design is checked and confirmed by you before work commences.*

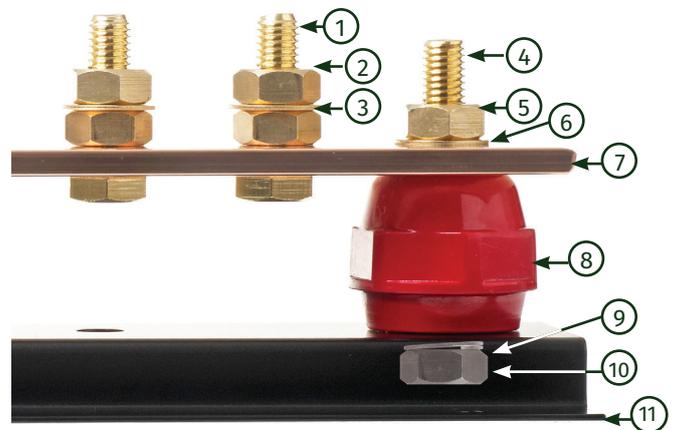


Our standard Earth Bar Bases feature pre-drilled fixing holes for ease of installation and can be supplied powder-coated to reduce the risk of corrosion.

All Earth Bars are manufactured in our dedicated UK factory with a high level of quality control that ensures consistency.



## Common Earth Bar Components



- |   |               |                             |
|---|---------------|-----------------------------|
| ① Brass, Stainless Steel or Phosphor Bronze Hex Set | ⑤ Full Nut    | ⑨ Zinc Plated Spring Washer |
| ② Nut   | ⑥ Flat Washer | ⑩ Zinc Plated Hex Set       |
| ③ Flat Washer                                       | ⑦ Copper Bar  | ⑪ Steel Base                |
| ④ All Thread  | ⑧ Insulator   |                             |

## Bespoke Specification

All components in an Earth Bar can be specified, including:

- Size and material of bolt
- Nut and washer
- Length, width and thickness of bar
- Number of disconnecting links and their position
- The finish of the bar

... as well as many other variables.

# Components of an Earth Bar

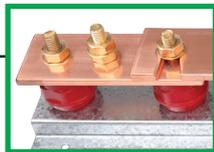
**Understanding and designing Earth Bars should never be a difficult task.**

Kingsmill are on hand to aid you with this design process to cater for any size, configuration or finish of Earth Bar. The sample Earth Bar, below, contains many elements that Kingsmill consider when designing special Earth Bars.



## 1: Outgoing Way

Outgoing ways enable the earth connection to be isolated from the test link.



This enables the test link to operate without the need to loosen the earth connection to the Earth Bar.

## 2: Standard Link

Standard test links are supplied on all Kingsmill Earth Bars unless outgoing ways are requested.



## 3: Parallel Fixings

Parallel fixings are typically used when there are space restrictions impacting on the installation of the Earth Bar.



By using parallel fixings, the length of an Earth Bar can be significantly reduced. Also, parallel fixings can be used to accommodate cable lugs with two fixing holes.

## 4: Staggered Fixings

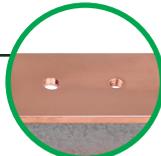
Like parallel fixings, staggered fixings are typically utilised to lower the overall length of an Earth Bar in the event of space restrictions.



Parallel fixings can also be spaced to allow cable lug connections to be made from both sides of the Earth Bar.

## 5: No Fixings

Earth Bars can also be supplied without fixings. Options include punched holes, tapped holes or plain bar.



## 6: Fixings

Kingsmill Earth Bars are supplied with M10 brass fixings as standard.



We can also supply fixings of different size and material. These include M4 - M16 sizes and stainless steel, phosphor bronze and BZP materials.

## 7: Bases

Kingsmill supply all Earth Bars on metallic bases. All standard stock Earth Bars up to 12 ways (standard, single and twin link) are supplied on powder coated bases. Kingsmill can also supply galvanised and hot-dipped galvanised bases for use in external or more humid environments eg coastal.

## Fixing Centres

Kingsmill Earth Bars are supplied as standard with a minimum 35mm distance between fixing centres. Typically, this allows for up to a 185mm<sup>2</sup> cable lug to be installed on adjacent fixings. Larger cable lugs may require larger fixing centre's to accommodate wider cable lug palms.

# Standard or Tinned Earth Bar?

Standard Earth Bars are manufactured from bare copper bar. In most applications this does not cause any problems since the Earth Bars are located on the inside of a building, usually inside a dry, warm substation/communication room.

When this is not possible or practical, the Earth bar has to be located externally in a location that has higher moisture or humidity. In these cases, we recommend the use of a Tinned Earth Bar.

## Tin

Tin is a soft white metal. It can easily be polished, scratch brushed or flow melted to give a bright finish. It is non-toxic and it is not greatly affected by organic acids. Sulphur compounds do not readily tarnish tin. Neither is it impaired by air or water. Tin is one of the least susceptible metals to corrosion.

## Benefits of a Tinned Earth Bar

Tinning a copper bar protects against atmospheric corrosion and hence provides a longer life when exposed to corrosive atmospheres.

A layer of tin protects the copper in the Earth Bar from the formation of copper oxide, thus preventing oxidation.

Tinned Earth Bars may be used in external applications or where atmospheric conditions are more severe and aggressive than normal ie high moisture content areas, high humidity etc.

A tinned Earth Bar resists corrosion from water.

## Key Features of a Tinned Earth Bar

- Manufactured from 50 x 6mm Tinned Hard Drawn Copper Bar
- M10 x 35 A2 Stainless Steel Connection Bolts
- Zero Halogen, Glass Reinforced Polyester Insulators c/w M10 brass Inserts
- Black powder coated steel base (hot dipped galvanised steel base can also be supplied)
- Pre-drilled base holes for ease of installation



## Standard Earth Bars



**Standard Earth Bars** are an efficient and convenient way of providing a common earth point.

Kingsmill **Standard Earth Bars** are supplied with a powder coated base as standard. The standard connections are M10.

DESCRIPTION	DIMENSIONS L x W x H (mm)	WEIGHT (kg)	PART NO.
4 way Earth Bar	300 x 100 x 90	1.60	EBAR4
6 way Earth Bar	300 x 100 x 90	1.69	EBAR6
8 way Earth Bar	450 x 100 x 90	2.34	EBAR8
10 way Earth Bar	450 x 100 x 90	2.42	EBAR10
12 way Earth Bar	520 x 100 x 90	2.82	EBAR12
14 way Earth Bar	650 x 100 x 90	3.59	EBAR14
16 way Earth Bar	800 x 100 x 90	4.16	EBAR16
18 way Earth Bar	800 x 100 x 90	4.31	EBAR18
20 way Earth Bar	900 x 100 x 90	4.71	EBAR20
22 way Earth Bar	900 x 100 x 90	4.82	EBAR22
24 way Earth Bar	1050 x 100 x 90	5.49	EBAR24
26 way Earth Bar	1050 x 100 x 90	5.59	EBAR26
28 way Earth Bar	1250 x 100 x 90	6.48	EBAR28
30 way Earth Bar	1250 x 100 x 90	6.65	EBAR30

**Material:** Copper (bar), Powder coated steel (base)

**Standard:** BS 7430

**OTHER SIZES ARE AVAILABLE ON REQUEST**

Brass bolts are provided as standard. See page EB:3 for the full material specification.

*For phosphor bronze add /PB suffix to the part numbers above.*



### FIXINGS

Fixings for attaching the Earth Bar to a wall are not included. We recommend either brass roundhead screws No.12 x 1.5" (BRHW1.5-12) or stainless steel roundhead screws No.12 x 1.5" (A2RHSL1.5-12) plus plastic wall plug (PP12).



EARTH BAR LENGTH	FIXINGS/BAR
Up to 500mm	4
500mm - 1000mm	6
1001mm - 1500mm	8
1501mm - 1700mm	10
1701mm +	12

**SEE FIXINGS SECTION - PAGE FIX:4**

## Tinned Earth Bars

**Tinned Earth Bars** are an efficient and convenient way of providing a common earth point.

Kingsmill **Tinned Earth Bars** are supplied with a powder coated base as standard. The standard connections are M10.

DESCRIPTION	DIMENSIONS L x W x H (mm)	WEIGHT (kg)	PART NO.
4 way Tinned Earth Bar	300 x 100 x 90	1.60	EBAR4-T
6 way Tinned Earth Bar	300 x 100 x 90	1.69	EBAR6-T
8 way Tinned Earth Bar	450 x 100 x 90	2.34	EBAR8-T
10 way Tinned Earth Bar	450 x 100 x 90	2.42	EBAR10-T
12 way Tinned Earth Bar	520 x 100 x 90	2.82	EBAR12-T
14 way Tinned Earth Bar	650 x 100 x 90	3.59	EBAR14-T
16 way Tinned Earth Bar	800 x 100 x 90	4.16	EBAR16-T
18 way Tinned Earth Bar	800 x 100 x 90	4.31	EBAR18-T
20 way Tinned Earth Bar	900 x 100 x 90	4.71	EBAR20-T
22 way Tinned Earth Bar	900 x 100 x 90	4.82	EBAR22-T
24 way Tinned Earth Bar	1050 x 100 x 90	5.49	EBAR24-T
26 way Tinned Earth Bar	1050 x 100 x 90	5.59	EBAR26-T
28 way Tinned Earth Bar	1250 x 100 x 90	6.48	EBAR28-T
30 way Tinned Earth Bar	1250 x 100 x 90	6.65	EBAR30-T



**Material:** Tinned Copper (bar), Powder coated steel (base)

**Standard:** BS 7430

**OTHER SIZES ARE AVAILABLE ON REQUEST**

Stainless steel bolts are provided as standard. See page EB:3 for the full material specification.

For phosphor bronze add /PB suffix to the part numbers above.

### FIXINGS

Fixings for attaching the Earth Bar to a wall are not included. We recommend either brass roundhead screws No.12 x 1.5" (BRHW1.5-12) or stainless steel roundhead screws No.12 x 1.5" (A2RHSL1.5-12) plus plastic wall plug (PP12).

EARTH BAR LENGTH	FIXINGS/BAR
Up to 500mm	4
500mm - 1000mm	6
1001mm - 1500mm	8
1501mm - 1700mm	10
1701mm +	12

SEE FIXINGS SECTION - PAGE FIX:4

## Earth Bars with Single Disconnecting Link



Earth Bars with Single Disconnecting Link are supplied with a powder coated base and M10 connections as standard.

DESCRIPTION	DIMENSIONS L x W x H (mm)	WEIGHT (kg)	PART NO.
4 Way Earth Bar with Single Disconnecting Link	375 x 100 x 90	2.12	EBAR4-1
6 Way Earth Bar with Single Disconnecting Link	475 x 100 x 90	2.58	EBAR6-1
8 Way Earth Bar with Single Disconnecting Link	575 x 100 x 90	3.12	EBAR8-1
10 Way Earth Bar with Single Disconnecting Link	725 x 100 x 90	3.88	EBAR10-1
12 Way Earth Bar with Single Disconnecting Link	825 x 100 x 90	4.34	EBAR12-1
14 Way Earth Bar with Single Disconnecting Link	925 x 100 x 90	4.74	EBAR14-1
16 Way Earth Bar with Single Disconnecting Link	1025 x 100 x 90	5.18	EBAR16-1
18 Way Earth Bar with Single Disconnecting Link	1125 x 100 x 90	5.58	EBAR18-1
20 Way Earth Bar with Single Disconnecting Link	1275 x 100 x 90	5.71	EBAR20-1
22 Way Earth Bar with Single Disconnecting Link	1375 x 100 x 90	6.65	EBAR22-1
24 Way Earth Bar with Single Disconnecting Link	1475 x 100 x 90	7.46	EBAR24-1
26 Way Earth Bar with Single Disconnecting Link	1575 x 100 x 90	8.00	EBAR26-1
28 Way Earth Bar with Single Disconnecting Link	1675 x 100 x 90	8.51	EBAR28-1
30 Way Earth Bar with Single Disconnecting Link	1775 x 100 x 90	8.90	EBAR30-1

**Material:** Copper (bar), Powder coated steel (base)

**Standard:** BS 7430

**OTHER SIZES ARE AVAILABLE ON REQUEST**

Brass bolts are provided as standard. See page EB:3 for the full material specification.

For phosphor bronze add /PB suffix to the part numbers above.



### FIXINGS

Fixings for attaching the Earth Bar to a wall are not included.

We recommend either brass roundhead screws No.12 x 1.5" (BRHW1.5-12) or stainless steel roundhead screws No.12 x 1.5" (A2RHSLT1.5-12) plus plastic wall plug (PP12).



EARTH BAR LENGTH	FIXINGS/BAR
Up to 500mm	4
500mm - 1000mm	6
1001mm - 1500mm	8
1501mm - 1700mm	10
1701mm +	12

**SEE FIXINGS SECTION - PAGE FIX:4**

### DISCONNECTING LINKS

The **Single Disconnecting Link** is mainly used to offer a temporary break in the connection to the earth allowing the inspection and testing of multiple Earth Rods/systems while disconnecting it from the Lightning and Earthing system. See page EB:12 for **Single Disconnecting Link** details.



## Tinned Earth Bars with Single Disconnecting Link

**Tinned Earth Bars with Single Disconnecting Link** are supplied with a powder coated base and M10 connections as standard.

DESCRIPTION	DIMENSIONS L x W x H (mm)	WEIGHT (kg)	PART NO.
4 Way Tinned Earth Bar with Single Disconnecting Link	375 x 100 x 90	2.12	EBAR4-1-T
6 Way Tinned Earth Bar with Single Disconnecting Link	475 x 100 x 90	2.58	EBAR6-1-T
8 Way Tinned Earth Bar with Single Disconnecting Link	575 x 100 x 90	3.12	EBAR8-1-T
10 Way Tinned Earth Bar with Single Disconnecting Link	725 x 100 x 90	3.88	EBAR10-1-T
12 Way Tinned Earth Bar with Single Disconnecting Link	825 x 100 x 90	4.34	EBAR12-1-T
14 Way Tinned Earth Bar with Single Disconnecting Link	925 x 100 x 90	4.74	EBAR14-1-T
16 Way Tinned Earth Bar with Single Disconnecting Link	1025 x 100 x 90	5.18	EBAR16-1-T
18 Way Tinned Earth Bar with Single Disconnecting Link	1125 x 100 x 90	5.58	EBAR18-1-T
20 Way Tinned Earth Bar with Single Disconnecting Link	1275 x 100 x 90	5.71	EBAR20-1-T
22 Way Tinned Earth Bar with Single Disconnecting Link	1375 x 100 x 90	6.65	EBAR22-1-T
24 Way Tinned Earth Bar with Single Disconnecting Link	1475 x 100 x 90	7.46	EBAR24-1-T
26 Way Tinned Earth Bar with Single Disconnecting Link	1575 x 100 x 90	8.00	EBAR26-1-T
28 Way Tinned Earth Bar with Single Disconnecting Link	1675 x 100 x 90	8.51	EBAR28-1-T
30 Way Tinned Earth Bar with Single Disconnecting Link	1775 x 100 x 90	8.90	EBAR30-1-T



**Material:** Copper (bar), Powder coated steel (base)

**Standard:** BS 7430

### OTHER SIZES ARE AVAILABLE ON REQUEST

Stainless steel bolts are provided as standard. See page EB:3 for the full material specification.

For phosphor bronze add /PB suffix to the part numbers above.

### FIXINGS

Fixings for attaching the Earth Bar to a wall are not included.

We recommend either brass roundhead screws No.12 x 1.5" (BRHW1.5-12) or stainless steel roundhead screws No.12 x 1.5" (A2RHSLT1.5-12) plus plastic wall plug (PP12).

EARTH BAR LENGTH	FIXINGS/BAR
Up to 500mm	4
500mm - 1000mm	6
1001mm - 1500mm	8
1501mm - 1700mm	10
1701mm +	12

SEE FIXINGS SECTION - PAGE FIX:4

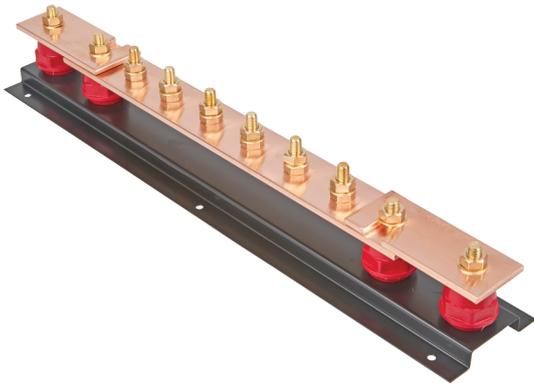
### DISCONNECTING LINKS

The **Single Disconnecting Link** is mainly used to offer a temporary break in the connection to the earth allowing the inspection and testing of multiple Earth Rods/systems while disconnecting it from the Lightning and Earthing system.

See page EB:12 for **Single Disconnecting Link** details.



## Earth Bars with Twin Disconnecting Links



Earth Bars with Twin Disconnecting Link are supplied with a powder coated base and M10 connections as standard.

DESCRIPTION	DIMENSIONS (mm) L x W x H	WEIGHT (kg)	PART NO.
4 Way Earth Bar with Twin Disconnecting Link	450 x 100 x 90	3.90	EBAR4-2
6 Way Earth Bar with Twin Disconnecting Link	550 x 100 x 90	3.12	EBAR6-2
8 Way Earth Bar with Twin Disconnecting Link	650 x 100 x 90	3.63	EBAR8-2
10 Way Earth Bar with Twin Disconnecting Link	800 x 100 x 90	4.40	EBAR10-2
12 Way Earth Bar with Twin Disconnecting Link	900 x 100 x 90	4.84	EBAR12-2
14 Way Earth Bar with Twin Disconnecting Link	1000 x 100 x 90	5.81	EBAR14-2
16 Way Earth Bar with Twin Disconnecting Link	1100 x 100 x 90	6.04	EBAR16-2
18 Way Earth Bar with Twin Disconnecting Link	1200 x 100 x 90	6.28	EBAR18-2
20 Way Earth Bar with Twin Disconnecting Link	1350 x 100 x 90	7.00	EBAR20-2
22 Way Earth Bar with Twin Disconnecting Link	1450 x 100 x 90	7.47	EBAR22-2
24 Way Earth Bar with Twin Disconnecting Link	1550 x 100 x 90	8.18	EBAR24-2
26 Way Earth Bar with Twin Disconnecting Link	1650 x 100 x 90	8.79	EBAR26-2
28 Way Earth Bar with Twin Disconnecting Link	1750 x 100 x 90	9.28	EBAR28-2
30 Way Earth Bar with Twin Disconnecting Link	1850 x 100 x 90	9.48	EBAR30-2

**Material:** Copper (bar), Powder coated steel (base)

**Standard:** BS 7430

**OTHER SIZES AND CONNECTIONS ARE AVAILABLE ON REQUEST**

Brass bolts are provided as standard. See page EB:3 for the full material specification.

For phosphor bronze add /PB suffix to the part numbers above.



### FIXINGS

Fixings for attaching the Earth Bar to a wall are not included.

We recommend either brass roundhead screws No.12 x 1.5" (BRHW1.5-12) or stainless steel roundhead screws No.12 x 1.5" (A2RHSLT1.5-12) plus plastic wall plug (PP12).



EARTH BAR LENGTH	FIXINGS/BAR
Up to 500mm	4
500mm - 1000mm	6
1001mm - 1500mm	8
1501mm - 1700mm	10
1701mm +	12

**SEE FIXINGS SECTION - PAGE FIX:4**

### DISCONNECTING LINKS

The **Twin Disconnecting Link** is mainly used to offer a temporary break in the connection to the earth allowing the inspection and testing of multiple Earth Rods/systems while disconnecting it from the Lightning and Earthing system. See page EB:12 for **Twin Disconnecting Link** details.



## Tinned Earth Bars with Twin Disconnecting Links

**Tinned Earth Bars with Twin Disconnecting Link** are supplied with a powder coated base and M10 connections as standard.



DESCRIPTION	DIMENSIONS (mm) L x W x H	WEIGHT (kg)	PART NO.
4 Way Tinned Earth Bar with Twin Disconnecting Link	450 x 100 x 90	3.90	EBAR4-2-T
6 Way Tinned Earth Bar with Twin Disconnecting Link	550 x 100 x 90	3.12	EBAR6-2-T
8 Way Tinned Earth Bar with Twin Disconnecting Link	650 x 100 x 90	3.63	EBAR8-2-T
10 Way Tinned Earth Bar with Twin Disconnecting Link	800 x 100 x 90	4.40	EBAR10-2-T
12 Way Tinned Earth Bar with Twin Disconnecting Link	900 x 100 x 90	4.84	EBAR12-2-T
14 Way Tinned Earth Bar with Twin Disconnecting Link	1000 x 100 x 90	5.81	EBAR14-2-T
16 Way Tinned Earth Bar with Twin Disconnecting Link	1100 x 100 x 90	6.04	EBAR16-2-T
18 Way Tinned Earth Bar with Twin Disconnecting Link	1200 x 100 x 90	6.28	EBAR18-2-T
20 Way Tinned Earth Bar with Twin Disconnecting Link	1350 x 100 x 90	7.00	EBAR20-2-T
22 Way Tinned Earth Bar with Twin Disconnecting Link	1450 x 100 x 90	7.47	EBAR22-2-T
24 Way Tinned Earth Bar with Twin Disconnecting Link	1550 x 100 x 90	8.18	EBAR24-2-T
26 Way Tinned Earth Bar with Twin Disconnecting Link	1650 x 100 x 90	8.79	EBAR26-2-T
28 Way Tinned Earth Bar with Twin Disconnecting Link	1750 x 100 x 90	9.28	EBAR28-2-T
30 Way Tinned Earth Bar with Twin Disconnecting Link	1850 x 100 x 90	9.48	EBAR30-2-T

**Material:** Copper (bar), Powder coated steel (base)

**Standard:** BS 7430

**OTHER SIZES AND CONNECTIONS ARE AVAILABLE ON REQUEST**

Stainless steel bolts are provided as standard. See page EB:3 for the full material specification.

For phosphor bronze add /PB suffix to the part numbers above.



**FIXINGS**

Fixings for attaching the Earth Bar to a wall are not included.

We recommend either brass roundhead screws No.12 x 1.5" (BRHW1.5-12) or stainless steel roundhead screws No.12 x 1.5" (A2RHSLT1.5-12) plus plastic wall plug (PP12).



EARTH BAR LENGTH	FIXINGS/BAR
Up to 500mm	4
500mm - 1000mm	6
1001mm - 1500mm	8
1501mm - 1700mm	10
1701mm +	12

**SEE FIXINGS SECTION - PAGE FIX:4**

### DISCONNECTING LINKS

The **Twin Disconnecting Link** is mainly used to offer a temporary break in the connection to the earth allowing the inspection and testing of multiple Earth Rods/systems while disconnecting it from the Lightning and Earthing system. See page EB:12 for **Twin Disconnecting Link** details.



## Main Earth Terminals



DESCRIPTION	TERMINALS	DIMENSIONS L x W x H (mm)	WEIGHT (kg)	PART NO.
Main Earth Terminal (38 x 6)	2 x M6/4 x M10	285 x 70 x 80	1.30	EBAR600
Main Earth Terminal (50 x 6)	9 x M8/5 x M12	520 x 90 x 90	3.24	EBAR1000

**Material:** Copper (bar), Powder coated steel (base)  
**Standard:** BS 7430

**OTHER SIZES ARE AVAILABLE ON REQUEST**

See page EB:3 for the full material specification

For phosphor bronze add /PB suffix to the part numbers above

### Main Earth Terminal (tinned)

DESCRIPTION	TERMINALS	DIMENSIONS L x W x H (mm)	WEIGHT (kg)	PART NO.
Main Earth Terminal (38 x 6)	2 x M6/4 x M10	285 x 70 x 80	1.30	EBAR600-T
Main Earth Terminal (50 x 6)	9 x M8/5 x M12	520 x 90 x 90	3.24	EBAR1000-T

**Material:** Tinned Copper (bar), Powder coated steel (base)  
**Standard:** BS 7430



### FIXINGS

Fixings for attaching the Earth Bar to a wall are not included.

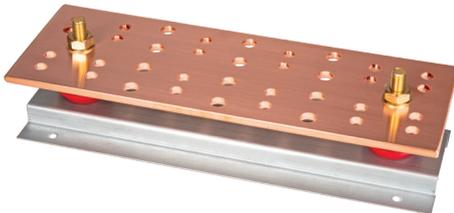
We recommend either brass roundhead screws No.12 x 1.5" (BRHW1.5-12) or stainless steel roundhead screws No.12 x 1.5" (A2RHSLT1.5-12) plus plastic wall plug (PP12).



EARTH BAR LENGTH	FIXINGS/BAR
Up to 500mm	4
500mm - 1000mm	6
1001mm - 1500mm	8
1501mm - 1700mm	10
1701mm +	12

**SEE FIXINGS SECTION - PAGE FIX:4**

## Telecom Earth Bars



Kingsmill can manufacture Earth Bars for telecommunications bonding. Please ask our sales office for a quote.

## Disconnecting Links (including Tinned)



ELINK



ELINK-T

**Disconnecting Links** offer a temporary break in the connection to earth. This allows testing of an Earth Rod whilst disconnecting it from the Lightning Protection System. **Tinned Disconnecting Links** are resistant to corrosion.

DESCRIPTION	DIMENSIONS L x W x H (mm)	WEIGHT (kg)	PART NO.
Disconnecting Link	125 X 100 X 90	0.71	ELINK
Tinned Disconnecting Link	125 X 100 X 90	0.71	ELINK-T

**Material:** Copper or tinned copper (bar), powder coated steel (base)  
**Standard:** BS 7430



### FIXINGS

4 x brass No.12 x 1.5" (BRHW1.5-12) or stainless steel (A2RHSLT1.5-12) roundhead screws + plastic wall plug (PP12)



**SEE FIXINGS SECTION - PAGE FIX:4**

Insulators

DESCRIPTION	SIZE (mm)	WEIGHT (kg)	PART NO.
Stand Off Type c/w 2 studs & 3 nuts	M10 x 35	0.15	INSU1
Stand Off Type	M10 x 35	0.08	INSU2
Stand Off Type	M6 x 25	0.03	INSU3
Stand Off Type	M10 x 51	0.09	INSU4

**Material:** Reinforced polyester/GRP

**Electrical:**  
 Dielectric Strength: >14 Kv/mm  
 Resistance (normal): >10M Ohms  
 Resistance (bolted): >10M Ohms  
 Arc resistance: >180 sec.  
 Tracking index: >600

**Brass inserts:**  
 M6 9Nm Torque  
 M8 18Nm Torque  
 M10 35Nm Torque

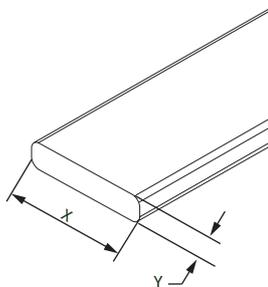


Hard Drawn Copper Bars

CONDUCTOR SIZE (X x Y) (mm)	CSA (mm <sup>2</sup> )	BAR LENGTH (m)	WEIGHT (kg/m)	PART NO.
25 x 3	75	2.0	0.67	CBHD2530
25 x 6	150	2.0	1.34	CBHD2560
31 x 3	93	2.0	0.83	CBHD3130
38 x 3	114	2.0	1.01	CBHD3830
38 x 6	228	2.0	2.03	CBHD3860
50 x 6	300	2.0	2.67	CBHD5060
50 x 10	500	2.0	4.45	CBHD5010
60 x 6	600	2.0	3.20	CBHD6060
75 x 6	450	2.0	4.00	CBHD7506
100 x 6	600	2.0	5.34	CBHD1006

**Material:** Copper  
**Standard:** BS:EN 12163

**OTHER SIZES AND LENGTHS ARE AVAILABLE ON REQUEST**

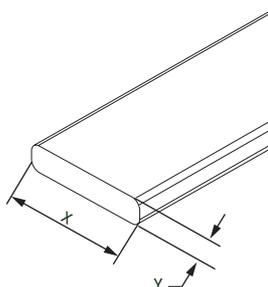


Hard Drawn Tinned Copper Bars

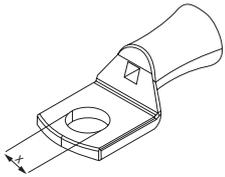
CONDUCTOR SIZE (X x Y) (mm)	CSA (mm <sup>2</sup> )	BAR LENGTH (m)	WEIGHT (kg/m)	PART NO.
25 x 3	75	2.0	0.67	CBHD2530/T
25 x 6	150	2.0	1.34	CBHD2560/T
50 x 6	300	2.0	2.67	CBHD5060/T

**Material:** Tinned copper  
**Standard:** BS:EN 12163

**OTHER SIZES AND LENGTHS ARE AVAILABLE ON REQUEST**



## Tinned Copper Cable Lugs



**Compression Tube Lugs** are manufactured from high conductive electrolytic copper and are tin plated for excellent corrosion resistance. We also supply **Compression Tube Lugs** complete with two stud holes.

CABLE (mm <sup>2</sup> )	STUD (X) (mm)	WEIGHT (kg)	PART NO.
16	6	0.01	LTC16,06
16	8	0.01	LTC16,08
16	10	0.01	LTC16,10
16	12	0.01	LTC16,12
25	6	0.01	LTC25,06
25	8	0.01	LTC25,08
25	10	0.01	LTC25,10
25	12	0.01	LTC25,12
35	6	0.01	LTC35,06
35	8	0.01	LTC35,08
35	10	0.01	LTC35,10
35	12	0.01	LTC35,12
50	6	0.02	LTC50,06
50	8	0.02	LTC50,08
50	10	0.02	LTC50,10
50	12	0.02	LTC50,12

**Material:** Tinned copper  
**Standard:** BS 7430

CABLE (mm <sup>2</sup> )	STUD (X) (mm)	WEIGHT (kg)	PART NO.
70	8	0.04	LTC70,08
70	10	0.04	LTC70,10
70	12	0.04	LTC70,12
70	14	0.04	LTC70,14
70	16	0.04	LTC70,16
95	8	0.06	LTC95,08
95	10	0.06	LTC95,10
95	12	0.06	LTC95,12
95	14	0.06	LTC95,14
95	16	0.06	LTC95,16
120	10	0.06	LTC120,10
120	12	0.06	LTC120,12
120	14	0.06	LTC120,14
120	16	0.06	LTC120,16
150	10	0.09	LTC150,10
150	12	0.09	LTC150,12

**OTHER SIZES ARE AVAILABLE ON REQUEST**

CABLE (mm <sup>2</sup> )	STUD (X) (mm)	WEIGHT (kg)	PART NO.
150	14	0.09	LTC150,14
150	16	0.09	LTC150,16
185	12	0.11	LTC185,12
185	14	0.11	LTC185,14
185	16	0.11	LTC185,16
240	12	0.14	LTC240,12
240	14	0.14	LTC240,14
240	16	0.14	LTC240,16
300	12	0.17	LTC300,12
300	14	0.17	LTC300,14
300	16	0.17	LTC300,16
400	12	0.21	LTC400,12
400	14	0.21	LTC400,14
400	16	0.21	LTC400,16