



**TUFNELL**  
BRITISH ENGINEERING

**TUFNELL OVERSEAS GOODS  
WHOLESALE LLC**



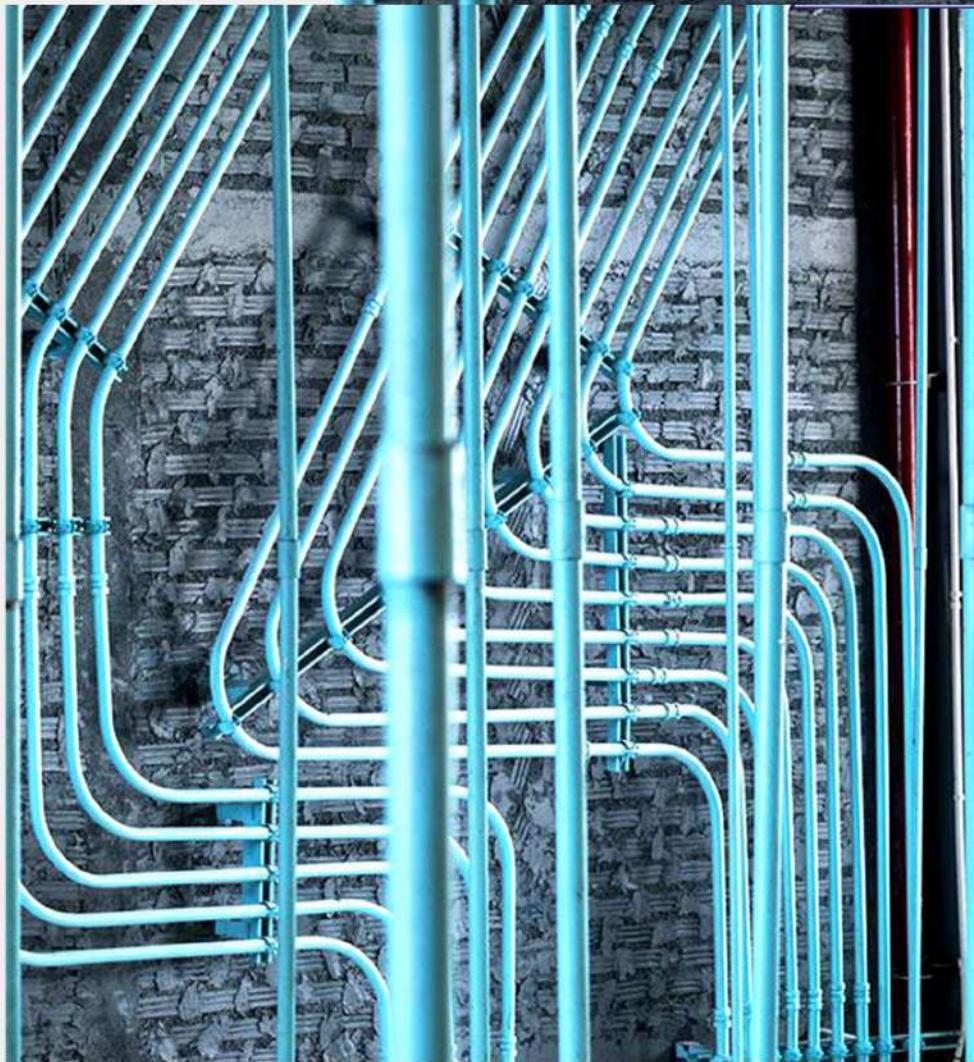
**TUFNELL**  
BRITISH ENGINEERING



## WELCOME TO OUR PRODUCT CATALOGUE



## GL & EMT CONDUIT & ACCESSORIES



**TUFNELL**  
BRITISH ENGINEERING

## **GL CONDUIT & ACCESSORIES**



**FORMER**



TBM 20



TBM 25



TBM 32

## WORKING INSTRUCTIONS FOR CONDUIT BENDER

The machine is highly fitted for 20mm, 25mm & 32mm steel conduits and designed only for bending steel conduits

### Setting up procedures

- Unpack the carton. You should find the formers supplied corresponding with those marked on the box and a grooved roller for bending steel conduits.
- Take the leg retaining pin out, then open the stand to its widest apart. Re-insert the pin to lock the leg in position.
- Lock the pipe vice in position.
- Remove the bending lever retaining pin, fit and pin the grooved roller in the appropriate position of the bending lever.
- Select the appropriate size of former, remove the Centre pin, insert the former and put the Centre pin back to its original position.
- Raise the bending lever to the upright position and lock it by re-inserting the retaining pin in the lower of the two holes.
- Swing the stop bar to the upright position and insert the tube stop into the appropriate hole. Then the machine is now ready for bending.

### BENDING STEEL CONDUITS

Place the tube into the groove between the stop and the former.

Take the bending lever retaining pin out and pull the bending lever down till the bend is completed.

### Safety notes

***The machine should be placed on a flat surface. The better is to anchor it onto the floor. Sometimes, the type of bend or the force applied may tend to cause the machine lifted; if this happens, you or an assistant should steady it.***

Spare parts of the bender are also available upon order, including bending lever, extension tube, formers (20mm, 25mm & 32mm), Groover roller, Groover roller pin with chain & pix pin, Centre pin, stop bar, tube stop, stop bar bolt ( lep bolt, washers, spacers, hex-nut), terry retaining pin, spare former holder, fix pin and chain, hinged pipe vice (16-32mm) and main body.

## CONDUIT DIE SET



SIZE (MM)	Part No.
20 mm X 25 mm	TDS2025
25 mm X 32 mm	TDS2532
20 mm X 25 mm X 32mm	TDS202532
40 mm	TDS40
50 mm	TDS50

# GI CONDUIT & ACCESSORIES

BS EN 61386-21/BS 4568/BS EN 50086

## CONDUIT PIPES



Class of Surface Protection	Nominal Size	Outside Diameter Min	Outside Diameter Max	Nominal Thickness	Length w/o Coupling	No. of lengths per bundle	Part No.	Listing
Class 4	20 mm	19.7 mm	20.0 mm	1.6 ±0.15 mm	3.75 metres	10	TBSC 20	bsi.
	25 mm	24.6 mm	25.0 mm	1.6 ±0.15 mm	3.75 metres	10	TBSC 25	bsi.
	32 mm	31.6 mm	32.0 mm	1.6 ±0.15 mm	3.75 metres	5	TBSC 32	bsi.
	38 mm	37.6 mm	38.0 mm	1.8 ±0.15 mm	3.75 metres	5	TBSC 38	bsi.
	50 mm	49.6 mm	50.0 mm	1.8 ±0.15 mm	3.75 metres	5	TBSC 50	bsi.

### APPLICATIONS



- Suitable for outdoor use which requires high levels of corrosion protection.
- Recommended for use in area with high humidity, chemical plants, etc.

### CHARACTERISTICS



- Zinc-coated on the exterior and interior of conduit surface (Class 4)
- Supplied with one standard coupler per length.
- Hot-dipped galvanized to BS EN ISO 1461 (Class 4).
- Metric size threadings.
- Smooth interior for easy cable pulling.

## BS EN 61386-21/BS 4568/BS EN 50086

### JUNCTION BOXES - CIRCULAR SMALL & LARGE

60.3mm Internal Diameter. Tapped M4 at 50.8mm Centers With Tapped Hole In Base For Earthing Screw.

\*Supplied without covers & Screw unless ordered.



Type	Terminal (One way)	Type	Through (Two way)	Type	Angle (Two way)	Type	Tee (Three way)
Material	Malleable Iron						
Finishes	Hot Dip Galvanized						
Size (mm)	20   25   32 mm						
Size (inc)	3/4"   1"   1 1/4"						
Part No.	TCB1	Part No.	TCB2	Part No.	TCBL2	Part No.	TCB3



Type	Intersection (Four way)	Type	Branch Two (U way)	Type	Branch Three (Y way)	Type	Branch Through (H way)
Material	Malleable Iron	Material	Malleable Iron	Material	Malleable Iron	Material	Malleable Iron
Finishes	Hot Dip Galvanized	Finishes	Hot Dip Galvanized	Finishes	Hot Dip Galvanized	Finishes	Hot Dip Galvanized
Size (mm)	20   25   32 mm	Size (mm)	20   25   32 mm	Size (mm)	20   25   32 mm	Size (mm)	20   25   32 mm
Size (inc)	3/4"   1"   1 1/4"	Size (inc)	3/4"   1"   1 1/4"	Size (inc)	3/4"   1"   1 1/4"	Size (inc)	3/4"   1"   1 1/4"
Part No.	TCB4	Part No.	TCB5	Part No.	TCB6	Part No.	TCB7

# GI CONDUIT & ACCESSORIES

BS EN 61386-21/BS 4568/BS EN 50086

**BACK OUTLET | LOOPING BOX | EXTENSION RING**



Type	Back Outlet
Material	Malleable Iron
Finishes	Hot Dip Galvanized
Size (mm)	20   25 mm

Type	Terminal & Back Outlet box
Material	Malleable Iron
Finishes	Hot Dip Galvanized
Size (mm)	20   25 mm

Type	Through & Back Outlet box
Material	Malleable Iron
Finishes	Hot Dip Galvanized
Size (mm)	20   25 mm

Type	Angle & Back Outlet box
Material	Malleable Iron
Finishes	Hot Dip Galvanized
Size (mm)	20   25 mm



Type	Tee & Back Outlet box
Material	Malleable Iron
Finishes	Hot Dip Galvanized
Size (mm)	20   25 mm

Type	Intersection & Back Outlet box
Material	Malleable Iron
Finishes	Hot Dip Galvanized

Type	Looping Box
Material	Mild Steel & Cast Iron
Finishes	Electro Galvanized
Size (mm)	20   25 mm

Type	Extension Ring
Material	Mild Steel
Finishes	Electro Galvanized
Size (mm)	20   25 mm

Size (inc) 3/4" | 1"

Part No. TER

**BS EN 61386-21/BS 4568/BS EN 50086**

## BALL SOCKET | DOME COVER | CRAMPET | INSERT CLIP



Type	Ball & Socket
Material	Cast Iron
Finishes	Galvanized
Size (mm)	20   25 mm
Size (inc)	3/4"   1"
Part No.	TCV1

Type	Dome Cover
Material	Mild Steel
Finishes	Electro Galvanized
Size (mm)	20   25 mm
Size (inc)	3/4"   1"
Part No.	TCV2

Type	Dome Cover
Material	Cast Iron   Malleable Iron
Finishes	Hot Dip Galvanized
Size (mm)	20   25 mm
Size (inc)	3/4"   1"
Part No.	TCV3

Type	Hook Plate / Cover
Material	Mild Steel
Finishes	Electro Galvanized
Size (mm)	20   25 mm
Size (inc)	3/4"   1"
Part No.	TCV4



Type	Crampet
Material	Mild Steel
Finishes	Electro Galvanized
Size (mm)	20   25mm
Size (inc)	3/4"   1"
Part No.	TCT1

Type	Twisted Crampet
Material	Mild Steel
Finishes	Electro Galvanized
Size (mm)	20   25 mm
Size (inc)	3/4"   1"
Part No.	TCT2

Type	Insert Clip Steel
Material	Mild Steel
Finishes	Electro Galvanized
Part No.	TCP2

Type	Conduit Hanger
Material	Mild Steel
Finishes	Galvanized
Size (mm)	20   25 mm
Size (inc)	3/4"   1"
Part No.	T-HGR

# GI CONDUIT & ACCESSORIES

BS EN 61386-21/BS 4568/BS EN 50086

## COUPLER | NIPPLE REDUCER | END PLUG | LOCK NUT | LOCK RING



Type	Coupler
Material	Mild Steel
Finishes	Hot Dip   Electro Galvanized
Size (mm)	20   25   32   38   50 mm
Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"
Part No.	TCP1

Type	Flange Coupler
Material	Steel   Washer   Brass Brush
Finishes	Hot Dip   Electro Galvanized
Size (mm)	20   25   32   38   50 mm
Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"
Part No.	TCP2

Type	Expansion Coupler
Material	Mild Steel
Finishes	Hot Dip   Electro Galvanized
Size (mm)	20   25   32 mm
Size (inc)	3/4"   1"   1 1/4"
Part No.	TCP3

Type	Nipple
Material	Mild Steel   Brass
Finishes	Self   Electro Galvanized
Size (mm)	20   25 mm
Size (inc)	3/4"   1"
Part No.	TCP4



Type	Reducer
Material	Mild Steel
Finishes	Hot Dip & Electro Galvanized
Size (mm)	20*25   25*32   20*32 mm
Part No.	TRD

Type	End Plug
Material	Mild Steel
Finishes	Electro Galvanized
Size (mm)	20   25   32   38   50 mm
Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"
Part No.	TPG1

Type	Lock Nut
Material	Brass   Mild Steel
Finishes	Self   Electro Galvanized   Hot Dipp
Size (mm)	20   25   32   38   50 mm
Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"
Part No.	TLN1

Type	Lock Ring
Material	Brass   Mild Steel
Finishes	Self   Electro Galvanized   Hot Dipp
Size (mm)	20   25   32   38   50 mm
Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"
Part No.	TLR1

BS EN 61386-21/BS 4568/BS EN 50086

## BEND LONG | BEND INSPECTION SADDLE



Type	Normal Bend	Type	Inspection Bend	Type	Inspection Elbow	Type	Inspection Tee
Material	Mild Steel	Material	Cast Iron & Malleable Iron	Material	Cast Iron & Malleable Iron	Material	Cast Iron & Malleable Iron
Finishes	Electro Galvanized   Hot Dipp						
Size (mm)	20   25   32   38   50 mm	Size (mm)	20   25   32   38   50 mm	Size (mm)	20   25   32   38   50 mm	Size (mm)	20   25   32   38   50 mm
Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"	Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"	Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"	Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"
Part No.	TNB1	Part No.	TNB2	Part No.	TNB3	Part No.	TNB4

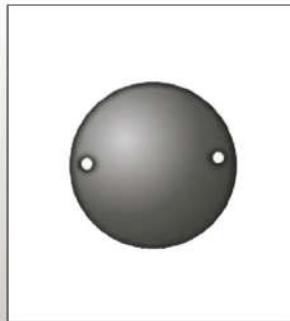


Type	Half Saddle	Type	Plain Saddle	Type	Bar Saddle	Type	Distance Saddle
Material	Mild Steel	Material	Mild Steel	Material	Mild Steel	Material	Cast Iron & Malleable Iron
Finishes	Electro Galvanized   Hot Dipp						
Size (mm)	20   25   32   38   50 mm	Size (mm)	20   25   32   38   50 mm	Size (mm)	20   25   32   38   50 mm	Size (mm)	20   25   32   38   50 mm
Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"	Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"	Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"	Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"
Part No.	TSD1	Part No.	TSD2	Part No.	TSD3	Part No.	TSD4

# GI CONDUIT & ACCESSORIES

BS EN 61386-21/BS 4568/BS EN 50086

## GI ROUND & SQUARE COVER | BRASS ACCESSORIES



Type	Round Cover
Material	Mild Steel
Finishes	Galvanized
Size (mm)	65   82 mm
Size (inc)	-
Part No.	TCV5

Type	Rubber Gas Kit
Material	Rubber
Finishes	Self Color
Size (mm)	65   82 mm
Size (inc)	-
Part No.	TRG6

Type	Square Cover
Material	Mild Steel
Finishes	Galvanized
Size (mm)	72*72
Size (inc)	3"x 3"
Part No.	TSBC3

Type	Rectangular Cover
Material	Mild Steel
Finishes	Galvanized
Size (mm)	72*132
Size (inc)	6"x 3"
Part No.	TSBC6



Type	Male Bush Long
Material	Brass
Finishes	Self
Size (mm)	20   25   32   38   50 mm
Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"
Part No.	TMB1

Type	Male Bush Short
Material	Brass
Finishes	Self
Size (mm)	20   25   32   38   50 mm
Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"
Part No.	TMB2

Type	Female Bush
Material	Brass
Finishes	Self
Size (mm)	20   25   32   38   50 mm
Size (inc)	3/4"   1"   1 1/4"   1 1/2"   2"
Part No.	TFB1

Type	Reducer
Material	Brass
Finishes	Self
Size (mm)	16*20   20*25   25*32   32*38   40*50   50*63 mm
Part No.	TRDB

## BS 4568/BS 4662

MADE IN UAE

### ADAPTABLE BOX



SIZE (MM)	SIZE (INCHES)	PART CODE
75 X 75 X 50	3X3X2	TAB-332
75 X 75 X 75	3X3X3	TAB-333
100 X 100 X 50	4X4X2	TAB-442
100X100X75	4X4X3	TAB-443
100 X 100 X 10	4X4X4	TAB-662
150 X 150 X 50	6X6X2	TAB-663
150 X 150 X 75	6X6X3	TAB-664
150 X 150 X 100	6X6X4	TAB-664
225 X 225 X 75	9X9X3	TAB-993
225 X 225 X 100	9X9X4	TAB-994
300 X 300 X 75	12X12X3	TAB-12123
300 X 300 X 100	12X12X4	TAB-12124



- Adaptable boxes are manufactured in accordance with BS 4568 part 2 are available with plain sides or knock - outs.
- We also provide Fabrication of various sizes, Gaskets etc as per customer requirements.



### SWITCH SOCKET BOX

SIZE (MM)

Part No.

72 X 72 X 35 | 72 X 72 X 47

TFB1

72 X 132 X 35 | 72 X 132 X 47

TFB2

### EXTENSION BOX

SIZE (MM)

Depth

Part No.

72X 72

16 | 25 | 35mm

TFBER3

72 X 132

16 | 25 | 35mm

TFBER6

### UTILITY BOX

SIZE (Inches)

Part No.

4"X 2"X 2 1/8"

TUB42

4"X 4"X 2 1/8"

TUB44



**TUFNELL**  
BRITISH ENGINEERING

# FLEXIBLE CONDUIT SYSTEM

BS EN 61386-23/BS 731

MADE IN UAE

## GI FLEXIBLE CONDUIT

### FEATURES

- High mechanical strength
- Very High Flexibility
- Temperature range: - 50°C to +300°C
- IP rating: IP40 with standard fittings
- Inherent low fire hazard product

### SPECIFICATIONS

- Used as high mechanical protection where bend radius or high temperature are required
- Under floor wiring, access flooring for computer/ floor boxes



### BRITISH STANDARD

SIZE	12 mm	16 mm	20 mm	25 mm	32 mm	38 mm	50 mm	63 mm
Outside Dia. (mm)	12.5	16.0	20.0	25.0	32.2	38.0	50.0	62.5
Inside Dia. (mm)	9.5	13.0	16.9	21.2	28.0	34.9	45.0	57.4
Bend Radius (mm)	40.0	40.0	45.0	55.0	70.0	80.0	90.0	115.0
Part No.	TFC12	TFC16	TFC20	TFC25	TFC32	TFC38	TFC50	TFC63

### US STANDARD

SIZE	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
Outside Dia. (mm)	15.2	18.0	22.5	28.0	35.0	41.5	53.5
Inside Dia. (mm)	12.5	15.7	19.5	25.0	32.0	38.0	50.0
Min Bending Radius (mm)	40.0	40.0	45.0	55.0	70.0	80.0	90.0



**BRASS ADAPTOR**

Material: Brass  
Finish: Brass Finish

Size	Size (Inch)	Part No.	Listing
20 mm	3/4"	TAD120	bsi*
25 mm	1"	TAD125	bsi*
32 mm	1 1/4"	TAD132	bsi*
38 mm	1 1/2"	TAD138	bsi*
50 mm	2"	TAD150	bsi*

## BS EN 61386-23/BS 731

### LIQUID TIGHT FLEXIBLE CONDUIT

#### FEATURES

- High mechanical strength
- Medium Flexibility - Medium Fatigue Life
- Very high UV resistance
- Corrosion resistance
- Self extinguishing

#### SPECIFICATIONS

- Temperature range : Min - 20° C, Max + 105° C
- IP rating upto IP 68 & IP 69 K (with appropriate Fitting )
- Suitable for external use in extreme conditions
- Marine , Shipping, oil & gas industry
- Mining equipment

\*Available in Grey & Black color, as per request

\*Available in low smoke zero halogen type as per request



#### BRITISH STANDARD

SIZE	20 mm	25 mm	32 mm	38 mm	50 mm	63 mm
Outside Dia. (mm)	20.8	26.2	32.7	40.4	47.4	59.4
Inside Dia. (mm)	15.7	20.7	26.4	35.5	40.1	51.3
Bend Radius (mm)	65.0	75.0	100.0	120.0	140.0	180.0
Part No.	TLTFC20	TLTFC25	TLTFC32	TLTFC38	TLTFC50	TLTFC63
Listing	bsi.	bsi.	bsi.	bsi.	bsi.	

#### US STANDARD

SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Outside Dia. (mm)	20.8	26.2	32.7	40.4	47.4	59.4
Inside Dia. (mm)	15.7	20.7	26.4	35.5	40.1	51.3
Bend Radius (mm)	65.0	75.0	100.0	120.0	140.0	180.0

#### LIQUID TIGHT CONNECTOR STRAIGHT



Material: Zinc



Material: Brass

Size	Size (Inch)	Part No.	Listing
20 mm	1/2"	TAD620	bsi.
25 mm	3/4"	TAD625	bsi.
32 mm	1"	TAD632	bsi.
38 mm	1 1/4"	TAD638	bsi.
50 mm	1 1/2"	TAD650	bsi.
63 mm	2"	TAD663	

# FLEXIBLE CONDUIT SYSTEM

BS EN 61386-23/BS 731

MADE IN UAE

## PVC COATED GI FLEXIBLE CONDUIT

### FEATURES

- Galvanized steel, helically wound, flexible steel conduit with PVC coating. Colour Black. Grey on request
- Highly flexible
- Flame retardant
- Liquid Resistant
- High mechanical strength



### SPECIFICATIONS

- As per BS EN 61386
- IP rating: IP54 with standard fittings
- IP 65 with Appropriate IP fittings
- Temperature range: -25°C to +70°C
- Nickel plated brass fittings

### BRITISH STANDARD

SIZE	12 mm	16 mm	20 mm	25 mm	32 mm	38 mm	50 mm	63 mm
Outside Dia. (mm)	13.7	17.0	21.1	25.5	33.5	40.5	51.5	63.8
Inside Dia. (mm)	9.5	12.8	16.9	21.1	28.0	34.9	45.0	57.4
Bend Radius (mm)	40.0	40.0	45.0	55.0	70.0	80.0	90.0	115.0
Part No.	TPCFC12	TPCFC16	TPCFC20	TPCFC25	TPCFC32	TPCFC38	TPCFC50	TPCFC63
Listing	bsi*							

### US STANDARD

SIZE	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
Outside Dia. (mm)	16.7	18.8	23.5	29.2	36.2	42.7	56.1	68.4
Inside Dia. (mm)	12.5	15.7	19.5	25.0	32.0	38.0	50.0	62.5
Bend Radius (mm)	40.0	40.0	45.0	55.0	70.0	80.0	90.0	115.0



### BRASS ADAPTOR

Material: Brass

Finish: Nickel Plated

Size	Part No.	Listing
20 mm	TAD420	bsi*
25 mm	TAD425	bsi*
32 mm	TAD432	bsi*
38 mm	TAD438	bsi*
50 mm	TAD450	bsi*

## PVC COATED GI FLEXIBLE CONDUIT

### FEATURES

- Galvanized steel, helically wound, flexible steel conduit with low fire hazard jacket . color black
- Highly flexible
- Flame retardant
- Halogen free
- High mechanical strength

### SPECIFICATIONS

- As per BS EN 61386
- IP rating: IP54 with standard fittings
- IP 65 with Appropriate IP fittings
- Temperature range: -25°C to +90°C
- Nickel plated brass fittings



### BRITISH STANDARD

SIZE	12 mm	16 mm	20 mm	25 mm	32 mm	38 mm	50 mm	63 mm
Outside Dia. (mm)	13.7	17.0	21.1	25.5	33.5	40.5	51.5	63.8
Inside Dia. (mm)	9.5	12.8	16.9	21.1	28.0	34.9	45.0	57.4
Bend Radius (mm)	40.0	40.0	45.0	55.0	70.0	80.0	90.0	115.0
Part No.	TLFC12	TLFC16	TLFC20	TLFC25	TLFC32	TLFC38	TLFC50	TLFC63

### OTHER ACCESSORIES



**BRASS FEMALE  
ADAPTOR**  
TAD220



**END PLUG**  
TAD320



**SWIVEL ADAPTOR**  
TAD520

# EMT CONDUIT & FITTINGS

AS PER UL 797

## EMT

### ELECTRICAL METALLIC TUBING

**Standard :** As Per UL 797

**Application :** Used as an Unthreaded steel raceway for protection and routing of electrical wiring.



Trade Size	Metric Designator	Outside Diameter	Thickness	Length	Part No.
1/2"	16	17.93	1.07	3.05	TE50-12
3/4"	21	23.42	1.24	3.05	TE50-34
1"	27	29.54	1.45	3.05	TE50-1
1 1/4"	35	38.35	1.65	3.05	TE50-114
1 1/2"	41	44.20	1.65	3.05	TE50-112
2"	53	55.80	1.65	3.05	TE50-2
2 1/2"	63	73.03	1.83	3.05	TE50-212
3"	78	88.90	1.83	3.05	TE50-3
4"	103	114.30	0.083	3.05	TE50-4

### EMT BEND 90 °

**Material :** Steel

**Application :** For use to couple two ends of EMT to form 90 degree bend.



Trade Size	Part No.
1/2"	TB51-12
3/4"	TB51-34
1"	TB51-1
1 1/4"	TB51-114
1 1/2"	TB51-112
2"	TB51-2
2 1/2"	TB51-212
3"	TB51-3
4"	TB51-4

### EMT CONNECTOR SET SCREW TYPE

**Material :** Zinc

**Application :** Used to join EMT to a box or enclosure.



Trade Size	Part No.
1/2"	TC52-12
3/4"	TC52-34
1"	TC52-1
1 1/4"	TC52-114
1 1/2"	TC52-112
2"	TC52-2
2 1/2"	TC52-212
3"	TC52-3
4"	TC52-4

### EMT COUPLING SET SCREW TYPE

**Material :** Zinc

**Application :** For use to join two ends of EMT



Trade Size	Part No.
1/2"	TCZ53-12
3/4"	TCZ53-34
1"	TCZ53-1
1 1/4"	TCZ53-114
1 1/2"	TCZ53-112
2"	TCZ53-2
2 1/2"	TCZ53-212
3"	TCZ53-3
4"	TCZ53-4

### EMT COUPLING COMPRESSION TYPE

**Material :** Steel

**Application :** For use to join ends of EMT



Trade Size	Part No.
1/2"	TCZ54-12
3/4"	TCZ54-34
1"	TCZ54-1
1 1/4"	TCZ54-114
1 1/2"	TCZ54-112
2"	TCZ54-2
2 1/2"	TCZ54-212
3"	TCZ54-3
4"	TCZ54-4

### EMT CONNECTOR COMPRESSION TYPE

**Material :** Zinc Die Cast

**Application :** For use to bond EMT to a box or enclosure



Trade Size	Part No.
1/2"	TCC55-12
3/4"	TCC55-34
1"	TCC55-1
1 1/4"	TCC55-114
1 1/2"	TCC55-112
2"	TCC55-2
2 1/2"	TCC55-212
3"	TCC55-3
4"	TCC55-4

# EMT CONDUIT & FITTINGS

## EMT STRAP ONE HOLE

**Material :** Steel

**Application :** For use to mount EMT to any surface.



Trade Size	Part No.
1/2"	TS56-12
3/4"	TS56-34
1"	TS56-1
1 1/4"	TS56-114
1 1/2"	TS56-112
2"	TS56-2
2 1/2"	TS56-212
3"	TS56-3
4"	TS56-4

## EMT STRAP TWO HOLE

**Material :** Steel

**Application :** For use to mount EMT to any surface.



Trade Size	Part No.
1/2"	TS57-12
3/4"	TS57-34
1"	TS57-1
1 1/4"	TS57-114
1 1/2"	TS57-112
2"	TS57-2
2 1/2"	TS57-212
3"	TS57-3
4"	TS57-4

## INSULATED GROUNDING BUSH WITH EARTHING

**Material :** Malleable Iron

**Application :** For use with locknut to terminate rigid or IMC conduit to a box or enclosure and quick installation of bonding jumper enclosure



Trade Size	Part No.
1/2"	TS58-12
3/4"	TS58-34
1"	TS58-1
1 1/4"	TS58-114
1 1/2"	TS58-112
2"	TS58-2
2 1/2"	TS58-212
3"	TS58-3
4"	TS58-4

## CONDUIT BUSHING

**Material :** Zinc Die Cast

**Application :** For use with locknut to terminate Rigid or IMC conduit to a box or enclosure



Trade Size	Part No.
1/2"	TS59-12
3/4"	TS59-34
1"	TS59-1
1 1/4"	TS56-114
1 1/2"	TS56-112
2"	TS56-2
2 1/2"	TS56-212
3"	TS56-3
4"	TS56-4

## INSULATED CONDUIT BUSHING

**Material :** Zinc Die Cast

**Application :** Use with locknut to terminate Rigid or IMC conduit to a box or enclosure



Trade Size	Part No.
1/2"	TS60-12
3/4"	TS60-34
1"	TS60-1
1 1/4"	TS60-114
1 1/2"	TS60-112
2"	TS60-2
2 1/2"	TS60-212
3"	TS60-3
4"	TS60-4



**BRASS**

**CABLE GLANDS**



## BRASS CABLE GLAND

### BW CABLE GLAND

- To BS 6121 Part 1
- Suitable for all types of steel wire armoured (SWA Cable)
- For indoor situations use
- Application : Indoor | Commercial | Industrial
- Shroud may be used for additional ingress protection
- IP54
- Material : Brass
- Finish : Natural Brass Finish



### CW CABLE GLAND

- To BS 6121 Part 1
- Suitable for all types of steel wire armoured (SWA Cable), plastic or rubber sheathed cables
- Outer seal grips sheath of cable to achieve waterproof seal
- Design has separate armour locking ring to ensure armour clamping
- For use in most climatic conditions weatherproof and waterproof
- Seal rated to IP66
- For indoor and outdoor use with all types of SWA cables
- Material : Brass
- Finish : Natural Brass Finish



### A2 CABLE GLAND

- Suitable for unarmoured cables
- Suitable for most indoor and outdoor applications
- Seal rated to IP66
- Outer seal grips the sheath of cable
- Material : Brass
- Finish : Natural Brass Finish





**TUFNELL**  
BRITISH ENGINEERING

## BW Industrial Cable Gland

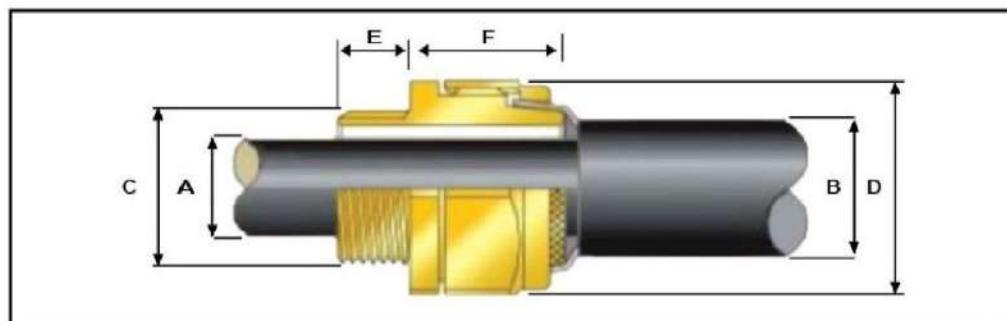


BW type brass gland, for indoor use with all kind of Steel Wire Armoured (SWA) cable and Aluminium Wire Armoured (AWA) cable.

- > Provides mechanical cable retention & electrical continuity via armoured wire termination.
- > Permanently crimped, low impedance earth termination.
- > Cable gland complete kit includes: brass gland, locknut, earth tag and PVC shroud. For sizes upto M25 and lower, will contain two kits and for sizes M32 and above will include one kit of each component.

## Technical Specification

Threading Standard	Metric BS 6121:2005, EN 62444:2013
Ingress Protection Rating	IP 2X
Cable Type	SWA and AWA
Protection Material	Brass CuZn39Pb3 (CW614N) to EN12168
Continuous Operating Temp	- 20° C to + 130° C
Accessories	Earth Tag, Locknut, PVC Shroud
Optional	Available in Brass Nickel Plating on Request



**Cable Gland Selection Table**

Gland Size	Minimum Length Of Thread "D"	Cable Diameter		Across Flat	Across Corner	Part No.
		Dia Inner Sheath Max "A"	Dia Outer Sheath Max "B"			
16L	10	9.0	14.50	19.0	22.0	TSBW-16L
20S	10	12.0	18.0	23.5	26.50	TSBW-20S
20L	10	15.0	20.8	27.2	30.50	TSBW-20L
25S	10	17.0	23.0	31.5	35.0	TSBW-25S
25L	10	20.0	28.0	35.0	39.0	TSBW-25L
32L	10	26.0	34.0	41.0	45.0	TSBW-32L
40S	15	29.0	37.0	43.0	47.50	TSBW-40S
40L	15	32.50	41.50	48.0	53.50	TSBW-40L
50S	20	38.0	46.50	51.50	57.0	TSBW-50S
50L	20	40.0	51.0	58.50	65.0	TSBW-50L
63S	20	45.0	57.0	64.0	71.0	TSBW-63S
63L	20	48.0	59.0	72.0	80.0	TSBW-63L
75S	20	54.0	66.0	79.0	88.0	TSBW-75S
75L	20	62.0	72.0	86.50	97.0	TSBW-75L



**TUFNELL**  
BRITISH ENGINEERING

## CW Single Compression Gland

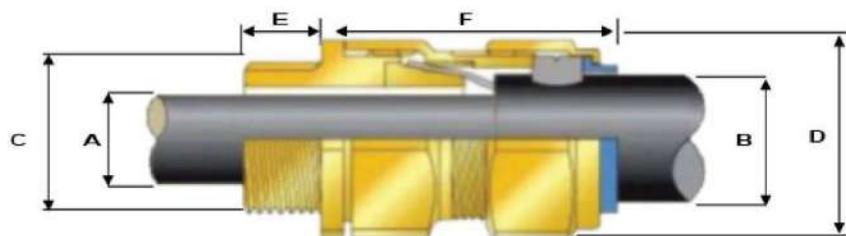


CW type brass cable gland for use with Steel Wire Armoured cable (SWA).

- > Single compression gland, providing mechanical cable retention and electrical continuity via armoured wire termination. Environmental seal on the outer sheath to IP 66.
- > Controlled outer load retention seal.
- > Cable gland complete kit includes: brass gland, locknut, earth tag and LSF shroud. For sizes upto M25 and lower, will contain two kits and for sizes M32 and above will include one kit of each component.

### Technical Specification

<b>Threading Standard</b>	Metric
<b>Ingress Protection Rating</b>	BS 6121:2005, EN 62444:2013
<b>Cable Type</b>	IP66
<b>Protection Material</b>	Steel Wire Armor (SWA)
<b>Continuous Operating Temp</b>	Brass CuZn39Pb3 (CW614N) to EN12168
<b>Accessories</b>	- 20° C to + 130° C
<b>Optional</b>	Earth Tag, Locknut, Entry Thread Seal, LSF Shroud
	Available in Brass Nickel Plating on Request



**Cable Gland Selection Table**

Gland Size	Minimum Length Of Thread "D"	Cable Diameter		Across Flat	Across Corner	Part No.
		Dia Inner Sheath Max "A"	Dia Outer Sheath Max "B"			
16L	10	9.0	14.50	19.0	22.0	TSCW-16L
20S	10	12.0	18.0	23.5	26.50	TSCW-20S
20L	10	15.0	20.8	27.2	30.50	TSCW-20L
25S	10	17.0	23.0	31.5	35.0	TSCW-25S
25L	10	20.0	28.0	35.0	39.0	TSCW-25L
32L	10	26.0	34.0	41.0	45.0	TSCW-32L
40S	15	29.0	37.0	43.0	47.50	TSCW-40S
40L	15	32.50	41.50	48.0	53.50	TSCW-40L
50S	20	38.0	46.50	51.50	57.0	TSCW-50S
50L	20	40.0	51.0	58.50	65.0	TSCW-50L
63S	20	45.0	57.0	64.0	71.0	TSCW-63S
63L	20	48.0	59.0	72.0	80.0	TSCW-63L
75S	20	54.0	66.0	79.0	88.0	TSCW-75S
75L	20	62.0	72.0	86.50	97.0	TSCW-75L



**TUFNELL**  
BRITISH ENGINEERING

## A1/A2 Single Compression Glands



A2 type brass cable gland for use with all types of unarmoured cable.

- > Single compression gland, providing mechanical cable retention and an environmental seal on outer sheath to IP-66, 67 and 68.
- > Displacement type seal.
- > Cable gland complete kit includes: brass gland, locknut, earth tag and PVC shroud. For sizes upto M25 and lower, will contain two kits and for sizes M32 and above will include one kit of each component.

### Technical Specification

**Threading**

**Standard**

**Ingress Protection Rating**

**Cable Type**

**Protection Material**

**Continuous Operating Temp**

**Accessories**

**Optional**

**Metric**

BS 6121:2005, EN 62444:2013

IP66, 67 and 68

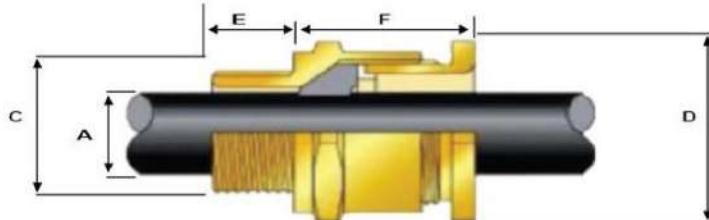
Unarmoured

Brass CuZn39Pb3 (CW614N) to EN12168

- 20° C to + 130° C

Locknut, Entry Thread Seal, PVC Shroud

Available in Brass Nickel Plating on Request



### Cable Gland Selection Table

Gland Size	Minimum Length Of Thread "D"	Cable Diameter		Across Flat	Across Corner	Part No.
		Dia Inner Sheath Max "A"	Dia Outer Sheath Max "B"			
16L	15	8.7	3.5	19.0	22.0	TSA2-16L
20S	15	11.7	8.0	21.0	24.0	TSA2-20S
20L	15	14.0	11.0	24.0	25.0	TSA2-20L
25S	15	17.0	12.0	28.0	26.6	TSA2-25S
25L	15	20.0	13.0	30.0	315.0	TSA2-25L
32L	15	23.0	16.5	38.0	33.3	TSA2-32L
40S	20	29.0	19.0	41.0	41.0	TSA2-40S
40L	20	33.0	23.0	45.0	45.5	TSA2-40L
50S	20	38.2	25.0	46.0	50.0	TSA2-50S
50L	20	46.0	31.5	59.0	51.0	TSA2-50L
63S	20	50.1	36.5	64.0	65.0	TSA2-63S
63L	20	56.0	42.5	70.0	70.0	TSA2-63L
75S	25	62.0	44.5	75.0	77.0	TSA2-75S
75L	25	68.0	54.5	84.0	83.0	TSA2-75L



## E1W Double Compression Cable Gland

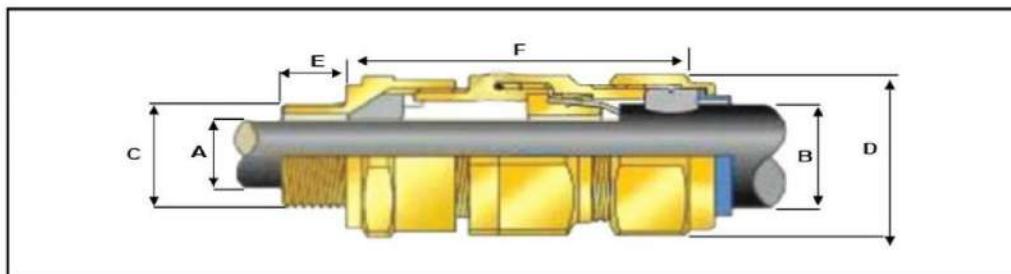


E1W type brass cable gland for use with all types of armoured cables.

- > Double compression gland, providing mechanical cable retention and electric continuity via armoured wire termination. Environmental seal on the outer sheath to IP 66. Inner seal provides grip to inner layer of cable.
- > Secure against self loosening.
- > Cable gland complete kit includes: brass gland, locknut, earth tag and PVC shroud. For sizes up to M25 and lower, will contain two kits and for sizes M32 and above will include one kit of each component.

### Technical Specification

<b>Threading</b>	Metric
<b>Standard</b>	BS 6121:2005, EN 62444:2013
<b>Ingress Protection Rating</b>	IP66
<b>Cable Type</b>	All types of armoured cables
<b>Protection Material</b>	Brass CuZn39Pb3 (CW614N) to EN12168
<b>Continuous Operating Temp</b>	- 20° C to + 130° C
<b>Accessories</b>	Earth Tag, Locknut, Entry Thread Seal, PVC Shroud
<b>Optional</b>	Available in Brass Nickel Plating on Request



**Cable Gland Selection Table**

Gland Size	Minimum Length Of Thread "D"	Cable Diameter		Part No.
		Dia Inner Sheath Max "A"	Dia Outer Sheath Max "B"	
16L	10	9.0	14.5	TSE1W-16L
20S	10	12.0	18.0	TSE1W-20S
20L	10	15.0	20.8	TSE1W-20L
25S	10	17.0	23.0	TSE1W-25S
25L	10	20.0	28.0	TSE1W-25L
32L	10	26.0	34.0	TSE1W-32L
40S	15	29.0	37.0	TSE1W-40S
40L	15	32.5	41.5	TSE1W-40L
50S	20	38.0	46.5	TSE1W-50S
50L	20	40.0	51.0	TSE1W-50L
63S	20	45.0	57.0	TSE1W-63S
63L	20	48.0	59.0	TSE1W-63L
75S	20	54.0	66.0	TSE1W-75S
75L	20	62.0	72.0	TSE1W-75L

## BRASS CABLE GLAND



SHROUD



EARTH TAG



GLAND KIT

### TELCLEAT

The Telcleat is a single piece cleat which provides protection against all weather conditions having single fixing design.

### FEATURE & BENEFITS

- Overlapping self-adjusting ranges.
- Sunlight (UV) and weather resistant.
- One piece, single fixing design.
- Can be double stacked on a single fixing.
- Operating temperature -40°C to +60°C.
- As per BS EN 50368.



### PLASTIC TWO BOLT CLEAT

The plastic two bolt cleat is the best choice for larger cable diameters.

### FEATURE & BENEFITS

- Sunlight (UV) and weather resistant.
- Two piece, two fixing design.
- Can be double stacked on common fixings.
- Operating temprature -25°C to + 85°C
- As per BS EN 50368.



### TREFOIL CABLE CLEAT

- Suitable for installing three single core power cables in trefoil formation.
- Suitable for industrial & commercial installation.
- Polyester coated Aluminium trefoil cleat is used for extreme or contaminated areas



### CABLE CLIPS

The Cable Clip is a single fixing clip, ideal for a simple cable run. The Cable Clip is suitable for fire alarm cables and visual installations.

### FEATURE & BENEFITS

- Securely holds one cable - ideal for single cable run.
- Finished with a red or white polyester coating.
- Ideal for visible installations.
- Color: Available in Red & White



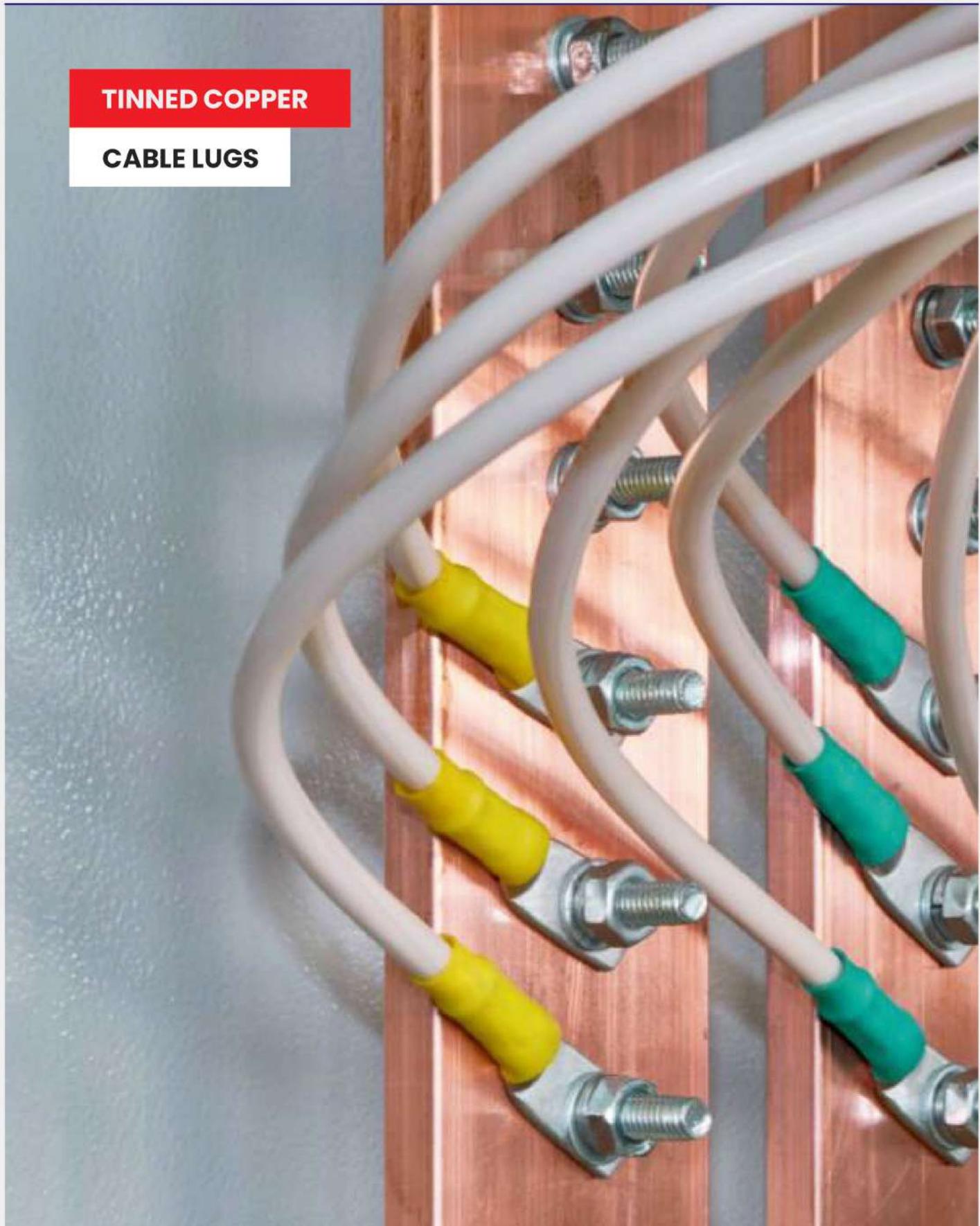
### PG GLANDS

The cable gland is manufactured from polyamide. It features metric thread and is very easy to assemble. It is intended for very general applications such as various electrical and mechanical equipments, controlling and automation, and manufacturing devices.



**TINNED COPPER**

**CABLE LUGS**

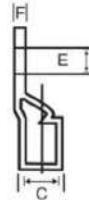
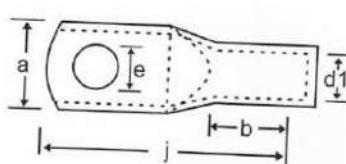




**TUFNELL**  
BRITISH ENGINEERING

## TINNED COPPER CABLE LUGS

Part No.	Cable Size	e	b	a	d1	j	Total Recommended Die Reference	Number of Crimps	Strip Length
TFCL 6-5	8	M5	10	8.5	3.8	30.5	M=MH14	1	8mm
TFCL 6-6	8	M6	10	8.5	3.8	31.5			
TFCL 6-8	8	M8	10	13.0	3.8	34.0			
TFCL 10-6	6	M5	10	9.0	4.5	34.0	M=MH14	1	8mm
TFCL 10-8	6	M6	10	9.0	4.5	34.5			
TFCL 10-10	6	M8	10	13.0	4.5	37.0			
TFCL 16-6	6	M6	20	13.0	5.5	43.5	M=MH14	1	18mm
TFCL 16-8	6	M8	20	13.0	5.5	46.0			
TFCL 16-10	6	M10	20	17.0	5.5	48.0			
TFCL 16-12	6	M12	20	18.0	5.5	49.0			
TFCL 25-6	4	M6	20	14.0	7.0	45.5	I=EC050 DIE.UL100	1	18mm
TFCL 25-8	4	M8	20	16.0	7.0	48.0			
TFCL 25-10	4	M10	20	17.0	7.0	50.0			
TFCL 25-12	4	M12	20	19.0	7.0	51.0			
TFCL 35-6	2	M6	20	17.0	10.0	49.5	I=EC050 DIE.UL125	1	18mm
TFCL 35-8	2	M8	20	17.0	10.0	52.0			
TFCL 35-10	2	M10	20	19.0	10.0	54.0			
TFCL 35-12	2	M12	20	21.0	10.0	55.0			
TFCL 35-14	2	M14	20	21.0	10.0	56.5			
TFCL 50-6	1	M8	28	20.0	10.0	62.0	I=EC050 DIE.UL145	2	26mm
TFCL 50-8	1	M10	28	22.0	10.0	64.0			
TFCL 50-10	1	M12	28	24.0	10.0	65.0			
TFCL 50-12	1	M14	28	24.0	10.0	66.5			
TFCL 50-14	1	M16	28	28.0	10.0	68.0			
TFCL 70-8	2/0	M8	28	24.0	11.5	65.0	I=EC050 DIE.UL165	2	26mm
TFCL 70-10	2/0	M10	28	24.0	11.5	67.0			
TFCL 70-12	2/0	M12	28	24.0	11.5	68.0			
TFCL 70-14	2/0	M14	28	24.0	11.5	69.5			
TFCL 70-16	2/0	M16	28	30.0	11.5	71.0			
TFCL 95-6	3/0	M8	35	28.0	13.5	77.0	I=EC050 DIE.UL190	2	33mm
TFCL 95-8	3/0	M10	35	28.0	13.5	77.0			
TFCL 95-10	3/0	M12	35	28.0	13.5	78.0			
TFCL 95-12	3/0	M14	35	28.0	13.5	79.5			
TFCL 95-16	3/0	M16	35	32.0	13.5	81.0			
TFCL 120-8	250 MCM	M10	35	34.0	15.5	85.0	I=EC050 DIE.UL210	2	33mm
TFCL 120-10	250 MCM	M12	35	34.0	15.5	86.0			
TFCL 120-12	250 MCM	M14	35	34.0	15.5	88.0			
TFCL 120-14	250 MCM	M16	35	34.0	15.5	89.0			
TFCL 120-16	250 MCM	M20	35	40.0	15.5	91.0			
TFCL 150-10	300 MCM	M10	35	34.0	17.0	93.0	I=REC-5510 DIE.UL235	2	33mm
TFCL 150-12	300 MCM	M12	35	34.0	17.0	94.0			
TFCL 150-14	300 MCM	M14	35	34.0	17.0	97.0			
TFCL 150-16	300 MCM	M16	35	34.0	17.0	97.0			
TFCL 150-20	300 MCM	M20	35	40.0	17.0	99.0			
TFCL 185-10	400 MCM	M10	40	37.0	19.0	97.0	I=REC-5510 DIE.UL255	2	38mm
TFCL 185-12	400 MCM	M12	40	37.0	19.0	98.0			
TFCL 185-14	400 MCM	M14	40	37.0	19.0	101.0			
TFCL 185-16	400 MCM	M16	40	37.0	19.0	101.0			
TFCL 185-20	400 MCM	M20	40	40.0	19.0	103.0			
TFCL 240-10	500 MCM	M12	40	42.0	21.5	108.0	I=REC-5510 DIE.UL290	2	38mm
TFCL 240-12	500 MCM	M14	40	42.0	21.5	111.0			
TFCL 240-14	500 MCM	M16	40	42.0	21.5	111.0			
TFCL 240-16	500 MCM	M20	40	45.0	21.5	113.0			
TFCL 300-10	600 MCM	M14	50	48.0	24.5	119.0	I=REC-5510 DIE.UL320		48mm
TFCL 300-12	600 MCM	M16	50	48.0	24.5	119.0		2	
TFCL 300-16	600 MCM	M20	50	48.0	24.5	122.0			
TFCL 400-12	750 MCM	M14	70	55.0	27.5	140.0	C=CRIMP-FT-1000 DIE H385		68mm
TFCL 400-16	750 MCM	M16	70	55.0	27.5	140.0		3	
TFCL 400-20	750 MCM	M20	70	55.0	27.5	140.0			



## TINNED COPPER IN LINE CONNECTOR (FERRULES)

Cable Size mm <sup>2</sup>	Length	Part No.
1.5	22	TCF1.5
2.5	22	TCF2.5
4	22	TCF4
6	22	TCF6
10	25	TCF10
16	30	TCF16
25	40	TCF25
35	45	TCF35
50	47	TCF50
70	48	TCF70
95	60	TCF95
120	65	TCF120
150	65	TCF150
185	75	TCF185
240	85	TCF240
300	85	TCF300
400	100	TCF400
500	100	TCF500
630	110	TCF630



## PIN TYPE TINNED COPPER CABLE TERMINAL

Cable mm <sup>2</sup>	Part No.
1.5	TCP1.5
2.5	TCP2.5
4	TCP04
6	TCP06
10	TCP10
16	TCP16
25	TCP25
35	TCP35
50	TCP50
70	TCP70
95	TCP95
120	TCP120
150	TCP150
180	TCP180
240	TCP240
300	TCP300



## INSULATED LUGS

- Pin Type (1.5-6 mm<sup>2</sup>)
- Bootlace (1.5-6 mm<sup>2</sup>)
- Ring Type (1.5-6 mm<sup>2</sup>)
- Ferrule (1.5-6 mm<sup>2</sup>)
- Fork Type (1.5-6 mm<sup>2</sup>)



**LIGHTNING &  
EARTHING EQUIPMENTS**

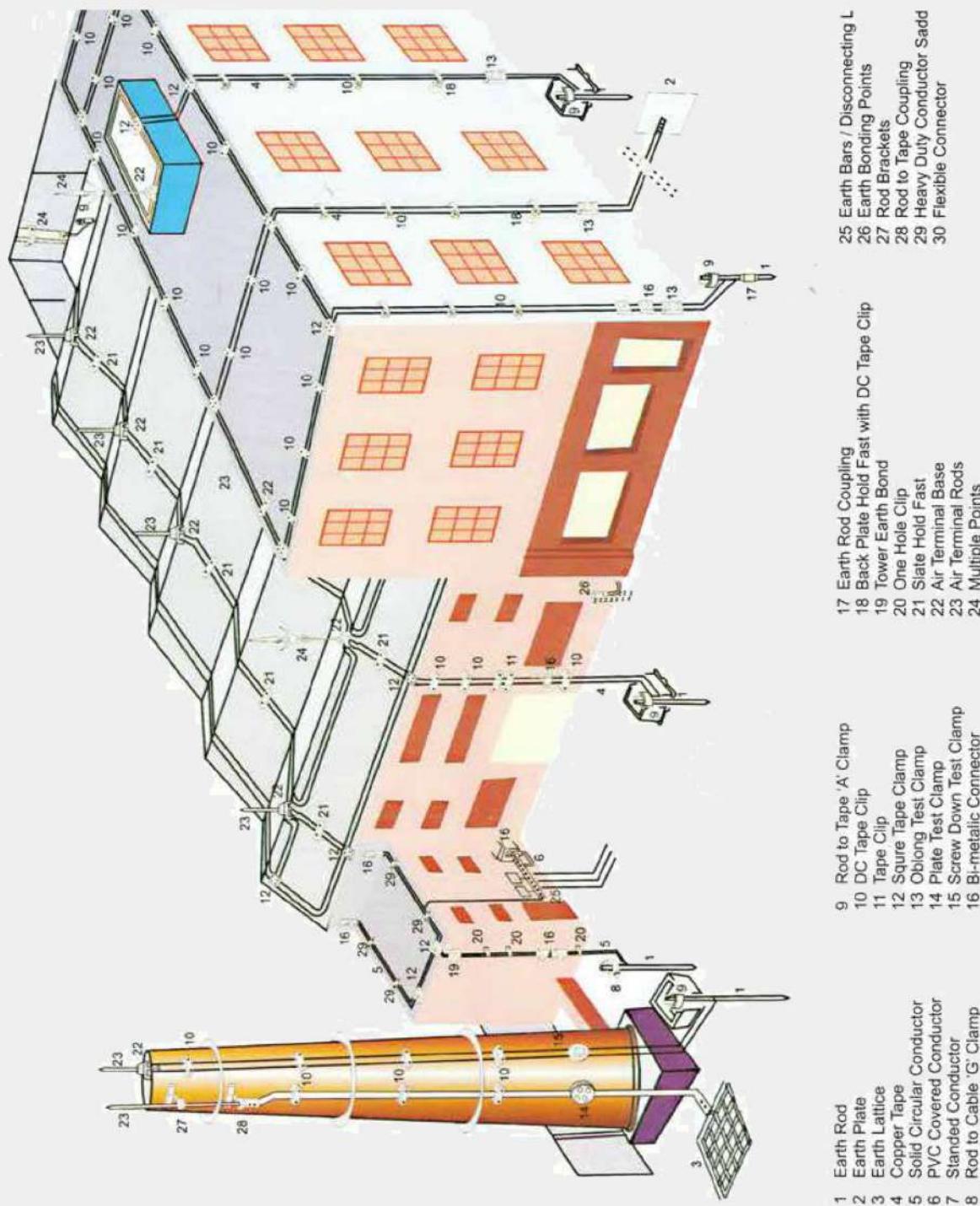




**TUFNELL**  
BRITISH ENGINEERING

# LIGHTNING & EARTHING

## LIGHTING AND EARTHING DESIGN



## COPPER BONDED EARTH RODS & FITTINGS

Lustre to the installer is the best and most Economical Earth Rod 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	Threaded Dia	Part No.	Listing
12.7	8 ft	9/16"	T-1208BT	
12.7	10 ft	9/16"	T-1210BT	
14.2	4 ft	5/8"	T-5804BT	
14.2	5 ft	5/8"	T-5805BT	
14.2	6 ft	5/8"	T-5806BT	
14.2	8 ft	5/8"	T-5808BT	
14.2	10 ft	5/8"	T-5810BT	
17.2	4 ft	3/4"	T-3404BT	
17.2	5 ft	3/4"	T-3405BT	
17.2	6 ft	3/4"	T-3406BT	
17.2	8 ft	3/4"	T-3408BT	
17.2	10 ft	3/4"	T-3410BT	

## SOLID COPPER EARTH RODS

Lustre offer 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 of rods. Lustre Solid copper earth rods are made from high conductivity hard drawn copper to BS2874 C 101. Threads are formed by roll threading process to ensure extra strength and avoid the risk of chipping while driving the rods in the ground.

Rod Dia Mm	Total Length	Internal Thread Dia	Part No.	Listing
16	4 ft	M10	T-1604C	
16	8 ft	M10	T-1608C	
16	10 ft	M10	T-1610C	
20	4 ft	M10	T-2004C	
20	8 ft	M10	T-2008C	
20	10 ft	M10	T-2010C	



# LIGHTNING & EARTHING

## ACCESSORIES

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



Item Driving Head  
Size 8mm | 10 mm  
Part No. TDH8



Item Coupling Dowel  
Size 8mm | 10 mm  
Part No. TDH8



Item Driving Tip  
Size 8mm | 10 mm  
Part No. TDH8



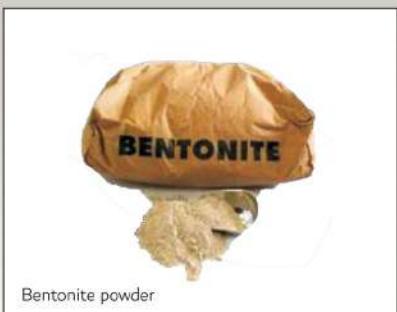
Multiple Points Copper Part No. TMPC



Air Terminal Base Part No. TATB



Concrete Inspection Pit Part No. TEP



Bentonite powder



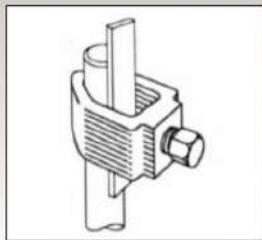
Industrial Salt



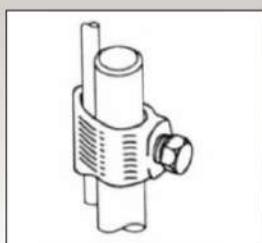
Charcoal



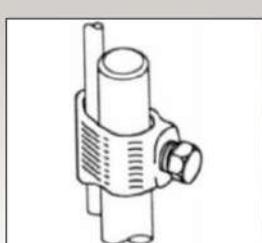
LCA



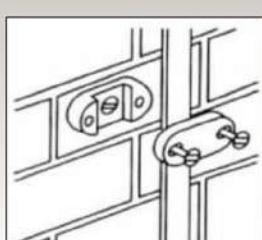
LCO



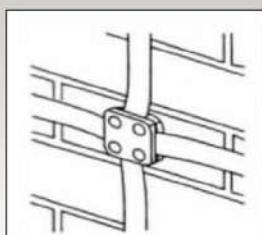
LCG



LDC



LSC



#### ROD TO TAPE CLAMP. TYPE I A I

Used for joining earth rod 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 / Aluminum Bronze and Steel ensure perfect fit and lasting connection.

#### ROD TO TAPE CLAMP- TYPE O

These clamps are used for joining earth rod to copper cable.

#### ROD TO CABLE CLAMP-TYPE G

These clamps are used for joining earth rod to copper cable.

#### BRASS DC TAPE CLIP

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

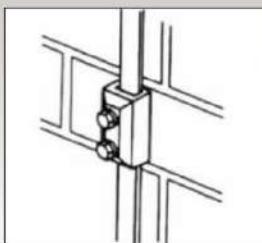
#### BRASS SQUARE TAPE CLAMP

Square Tape/ Junction clamps are made from gunmetal or brass and are used for crossing over tapes, or for T joints or for making straight Through joints in a network of tapes.

## LIGHTING & EARTHING



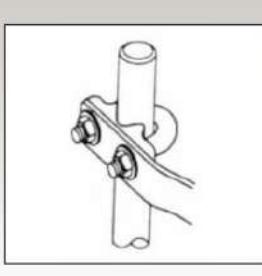
LOTC



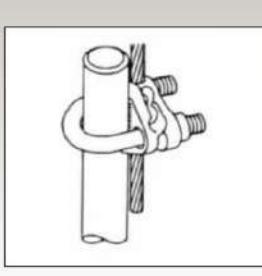
L-58CO | L-34CO



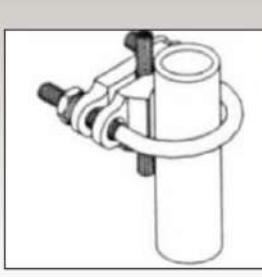
LUBS | LUBD



LGUV



LUBHT



### BRASS OBLONG TEST 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.

### ROUND/ HEX COUPLING

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

### U BOLT ROD CLAMP - TYPE E

These clamps are used to connect 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 TO CABLE CLAMP- TYPE GUV

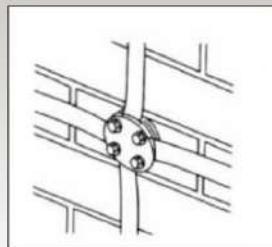
Heavy Duty copper alloy double plated clamps are suitable for connecting Earth Rod with cables / round conductors.

### CLAMPS/ FITTINGS

Variety of earth rod clamps suitable for different application of earthing. Clamps bodies are manufactured from Hard Copper Alloys / Aluminum / Bronze / Gunmetal and bolts are manufactured from stainless steel/ Phosphor Bronze



LTC

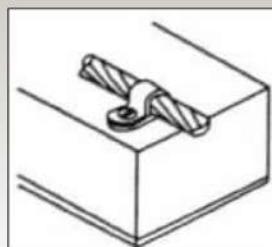


### PLATE TEST CLAMP

These plate type test clamps, made of Brass / 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.



LOHC

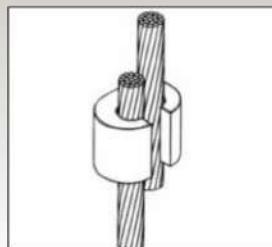


### ONE HOLE CLIP

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

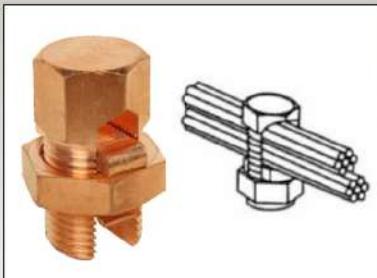


LCC



### 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 .



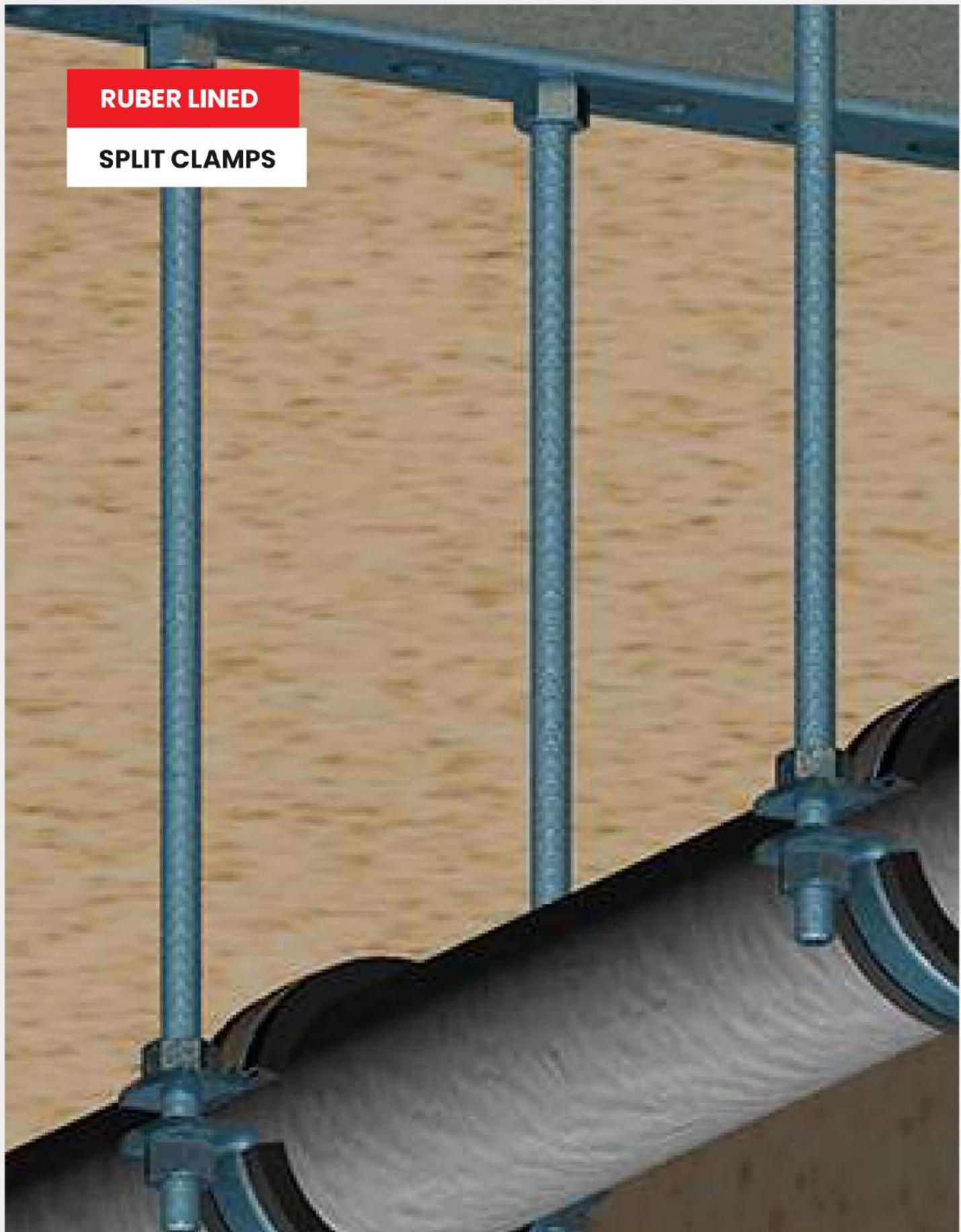
### SPLIT BOLT CONNECTOR

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

Size MM2	H	C	B A/F	D A/F	F	Part No.
6	19.85	4.0	12.70	13.35	4.80	TSBC6
10	23.75	4.7	12.70	19.00	5.60	TSBC10
16	26.00	5.7	12.70	19.00	5.60	TSBC16
25	288.00	7.3	16.00	19.00	5.60	TSBC25
35	35.00	7.8	18.50	24.00	6.35	TSBC35
50	42.00	9.7	24.10	27.20	8.65	TSBC50
70	44.50	11.5	24.10	27.20	8.65	TSBC70
95	55.00	14.4	26.50	35.40	9.40	TSBC95
120	57.50	16.2	30.00	35.40	12.00	TSBC120
150	57.50	16.2	30.00	35.40	12.00	TSBC150
185	57.50	18.2	31.75	38.00	12.00	TSBC185
240	72.50	22.0	40.00	48.20	14.25	TSBC240
300	72.50	24.0	42.00	50.00	14.25	TSBC300
400	76.50	26.0	48.00	56.00	16.00	TSBC400
500	80.00	30.0	55.00	65.00	16.00	TSBC500

RUBER LINED

SPLIT CLAMPS





**TUFNELL**  
HEAVY DUTY TRAILERS

# RUBBER LINED SPLIT CLAMPS

## RUBBER LINED SPLIT CLAMPS



### CONSTRUCTION FEATURES

- Strengthened lock bolts for high load capacity.
- Can be used for both horizontal, vertical and roof hanging installations.
- EPDM rubber lining for suppression of sound and vibrations.
- Reduce noise up to 18 db.
- Temperature range: 20°C
- Lock bolts with combi cross recessed head.
- M6 side screws with PE captive disc.
- Grooved construction for added strength.

Size inches	ID mm	Width (mm)	Thickness (mm)	Safe Load (kgs.)	Part No.
3/8"	15-18	19	1.5	150	TNC01
1/2"	20-23	19	1.5	150	TNC02
3/4"	26-29	19	1.5	150	TNC03
1"	33-36	19	1.5	150	TNC04
1 1/4"	40-43	19	1.5	150	TNC05
1 1/2"	47-50	19	1.5	150	TNC06
2"	59-62	19	1.5	150	TNC07
2 1/2"	74-77	19	1.5	200	TNC08
3"	88-91	19	2	200	TNC09
3 1/2"	100-103	19	2	200	TNC10
4"	113-116	19	2	200	TNC11
5"	158-162	19	2	200	TNC12
6"	136-167	19	2	200	TNC13
8"	213-216	19	2	300	TNC14

Measurements are subject to 3% variation

### TECHNICAL DATA

- Welded nut M8/M10 with option M10/M12.
- Safe loads as per chart.
- M6 side nuts can be provided on request.
- Electro - Galvanized for corrosion resistance.

## NAIL CLAMP

Size	Part No.
1/2"	TNC15
3/4"	TNC16
1"	TNC17
1 1/4"	TNC18
1 1/2"	TNC19
2"	TNC20
2 1/2"	TNC21
3"	TNC22
4"	TNC23
5"	TNC24
6"	TNC25



## SPRINKLER CLAMPS



**CUL US**  
LISTED

Size inches	Rod hole size	Width (mm)	Thickness (mm)	Safe Load (kgs.)	Part No.
1/2"	10	21	1.4	350	TBH01
3/4"	10	21	1.4	350	TBH02
1"	10	21	1.4	350	TBH03
1 1/4"	10	21	1.4	350	TBH04
1 1/2"	10	21	1.4	350	TBH05
2"	10	21	1.4	350	TBH06
2 1/2"	10	30	2	390	TBH07
3"	10	30	2	480	TBH08
3 1/2"	10	30	2	570	TBH09
4"	10	30	2	690	TBH10
5"	12	40	2	910	TBH11
6"	12	40	2	1210	TBH12
8"	12	40	2	1850	TBH13

Measurements are subject to 3% variation

### CONSTRUCTION FEATURES

- One piece clip guarantees a high permissible load.
- For use in fire fighting and sprinkler installations.
- Mounting without any tools.
- Locking device allows easy pre - mounting & maintenance.
- Adjustable in height.

## CLEVIS HANGER

**CUL US**  
LISTED



Size (inches)	Rod hole size	Width (mm)	Thickness (mm)	Safe Load (kgs.)	Part No.
1/2"	10	25	3	350	TCH01
3/4"	10	25	3	350	TCH02
1"	10	25	3	350	TCH03
1 1/4"	10	25	3	350	TCH04
1 1/2"	10	25	3	350	TCH05
2"	10	25	3	350	TCH06
2 1/2"	16	30	3	390	TCH07
3"	16	30	4	480	TCH08
3 1/2"	16	30	4	570	TCH09
4"	16	30	4	690	TCH10
5"	16	40	4.5	910	TCH11
6"	20	40	4.5	1210	TCH12
8"	24	40	4.5	1850	TCH13

- Designed to meet ( Manufacturers Standardization Society) MSS SP-58 (Type- 1)
- Measurements are subject to 3% variation

### CONSTRUCTION FEATURES

- Finish: Electrogalvanized
- Designed for fire fighting systems and for the suspension of non-insulated, stationary pipe lines.
- Clevis Design permits vertical adjustment of pipe after installation
- Note: Hanger loadnut must be tightened securely to assure proper hanger performance.

# CHANNEL SUPPORT SYSTEM



## C CHANNEL

Finish: Electro | Hot Dip  
Material: Steel (1.2, 1.5, 2, 2.5 mm)  
Type: Slotted

Size	Part No.
41 X 21 mm	TC-4141
41 X 41 mm	TC-4121



## SPRING NUT

Finish: Electro | Hot Dip

Size	Part No.
6 mm	TSN-6
8 mm	TSN-8
10 mm	TSN-10
12 mm	TSN-12



## C CHANNEL STRUT CLAMP

Finish: Electro | Hot Dip

Size	Part No.
1/2"	TSC-12
3/4"	TSC-34
1"	TSC-01
1 1/4"	TSC-114
1 1/2"	TSC-112
2"	TSC-02
2 1/2"	TSC-212
3"	TSC-03
4"	TSC-04
5"	TSC-05
6"	TSC-06



## PVC END CAP (BLACK /RED) FOR C CHANNEL

Size	Part No.
41 X 21 mm	TEC4121
41 X 41 mm	TEC4141



## BEAM CLAMP

Size	Part No.
6 mm	TBC-6
8 mm	TBC-8
10 mm	TBC-10
12 mm	TBC-12



## EARTH BRADE (LEB-105)



## ANTI VIBRATION MOUNTS (LAV-106)



## CHANNEL BASE (LCB-107)



## ANGLE BRACKET 2 HOLE (TAB-02)



## ANGLE BRACKET 4 HOLE (TAB-04)



## STRUT BEAM CLAMP (TSBC-108)



## U SADDLE (TUS-109)

# FIXING ACCESSORIES



**THREADED RODS**

(HDG & SS also available)



**HEX NUTS**

(GI | BRASS | SS)



**FLAT WASHERS**

(GI | BRASS | SS)



**LONG NUT**

Size	Part No.
6mm	TTR-06
8mm	TTR-08
10 mm	TTR-10
12 mm	TTR-12
16 mm	TTR-16
18 mm	TTR-18
20 mm	TTR-20
22 mm	TTR-22
24 mm	TTR-24

Size	Part No.
6mm	THN-06
8mm	THN-08
10 mm	THN-10
12 mm	THN-12
16 mm	THN-16
18 mm	THN-18
20 mm	THN-20
22 mm	THN-22
24 mm	THN-24

Size	Part No.
6mm	TFW-06
8mm	TFW-08
10 mm	TFW-10
12 mm	TFW-12
16 mm	TFW-16
18 mm	TFW-18
20 mm	TFW-20
22 mm	TFW-22
24 mm	TFW-24

Size	Part No.
6mm	TLN-06
8mm	TLN-08
10 mm	TLN-10
12 mm	TLN-12
16 mm	TLN-16
18 mm	TLN-18
20 mm	TLN-20
22 mm	TLN-22
24 mm	TLN-24



**ROOFING BOLT**



**FIX BOLT**



**THROUGH BOLT**



**WEDGE ANCHORS**

(GI | BRASS)

Size	Part No.
M6	TRB-06
M8	TRB-08
M10	TRB-10
M12	TRB-12

Size	Part No.
6mm	TFB-06
8mm	TFB-08
10mm	TFB-10
12mm	TFB-12
16mms	TFB-16

Size	Part No.
6mm	TTB-06
8mm	TTB-08
10mm	TTB-10
12mm	TTB-12
16mms	TTB-16

Size	Part No.
6mm	TWA-06
8mm	TWA-08
10mm	TWA-10
12mm	TWA-12
16mms	TWA-16



**BOLT**

(GI | BRASS | SS)

T-BOLT-112



**HANGER**

(T-HGR-110)



**SQUARE WASHER**

(TSW-111)



**SCREW**

(T-SCR)

## CABLE TRAY SYSTEM



**TUFNELL**  
BRITISH ENGINEERING

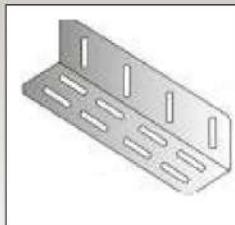
# CABLE TRAY SYSTEM



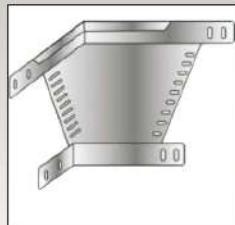
**CABLE TRAY  
SYSTEM**



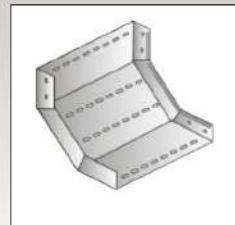
- Cable tray is ideal for use in situations where moderate strength is required.
- Supplied with one standard coupler per length.
- Trays can be manufactured to any size and thickness as per site requirement.
- Covers for cable trays and accessories are available on requirement.
- Finish: Galvanized / Hot dip.



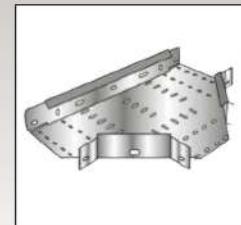
**COUPLER**



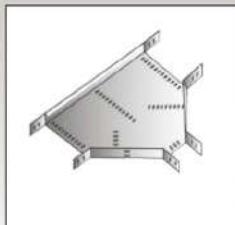
**ELBOW 45°  
HORIZONTAL**



**ELBOW 90°  
HORIZONTAL**



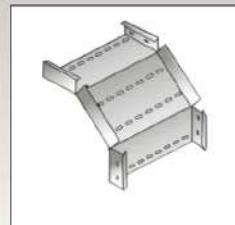
**HORIZONTAL  
EQUAL TEE**



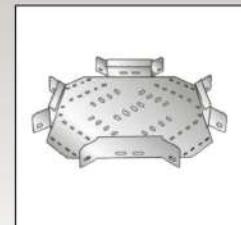
**HORIZONTAL  
UN-EQUAL TEE**



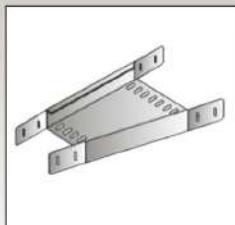
**ELBOW 90°  
VERTICAL**



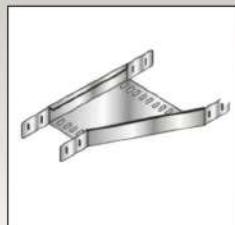
**OUT RISER**



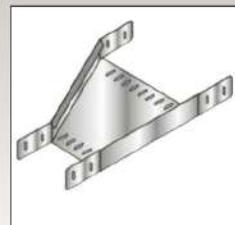
**HORIZONTAL  
EQUAL CROSS**



**STRAIGHT  
REDUCER**



**RIGHT HAND  
REDUCER**

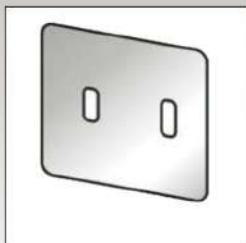


**LEFT HAND  
REDUCER**

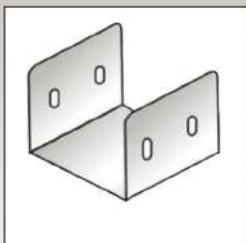


- LUSTRE Galvanised steel trunking are manufactured from pre - galvanised - sheet which conforms to B.S. 4678 part 11978 standards.
- Supplied with one standard coupler per length.
- Finish - Galvanised/ Hot- Dip.
- Sizes - 50 X 50, 75 X 75, 50 X 75, 100 X 100, 100X50, 150 X 150.

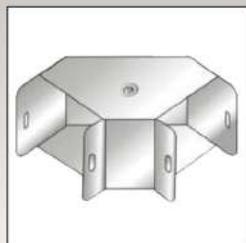
### TRUNKING



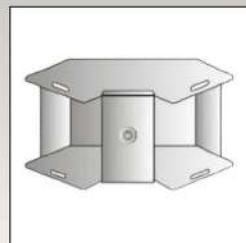
**STRAIGHT  
COUPLER**



**U - COUPLER**



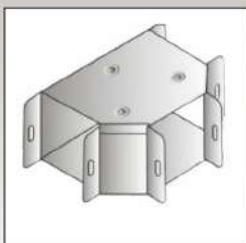
**HORIZONTAL  
ELBOW**



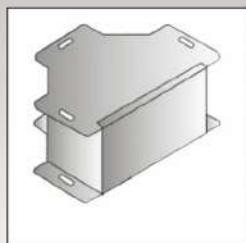
**INSIDE BEND**



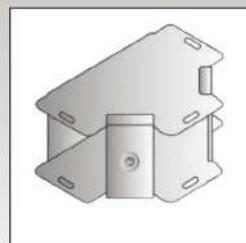
**OUTSIDE BEND**



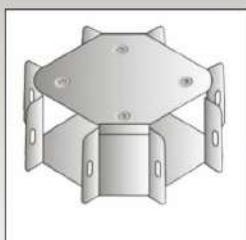
**HORIZONTAL TEE**



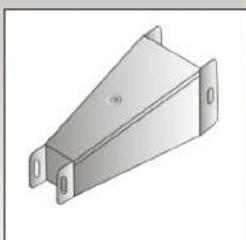
**TEE OUTSIDE**



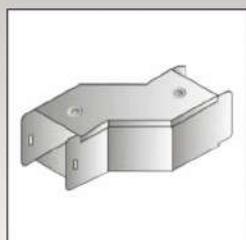
**TEE INSIDE**



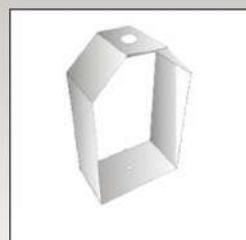
**EQUAL CROSS**



**STRAIGHT  
REDUCER**



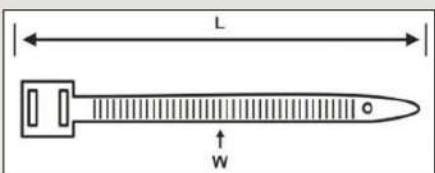
**OFFSET  
HORIZONTAL**



**HANGING CLAMP**

# CABLE TIE

## NON RELEASEABLE PVC CABLE TIES



Technical Information	For indoor/ outdoor use
Application	Nylon 6.6 (Natural)
Material	- 40° C to 85° C
Temperature range	

Flammability rating UL 94 V-2

Lustre cable ties provide an appropriate and elegant solution for specific applications where aesthetics and users concern is primary.

Lustre cable ties have self locking which ensure fast and easy installation and once locked cannot be reused.

Width (mm)	Length Inch	Tensile Strength		Maximum Bundle	
		Kgs	Lbs	Inch	MM
2.5	100	8	18	0.94	24
	150			1.38	35
	200			2.09	53
	250			2.68	68
	300			3.23	82
3.6	370			3.50	89
	150	18	40	1.38	35
	200			2.09	53
	250			2.68	68
	300			3.39	86
4.8	370			4.23	107.5
	200	22	50	2.09	53
	250			2.68	68
	300			3.39	86
	370			4.23	107.5
5.6	400			4.69	119
	450			5.12	130
	500			5.75	146
	550			6.50	165
	600			7.23	182
7.6	300	55	120	3.23	82
	370			3.58	91
	400			3.76	102
	450			4.02	114
	500			4.15	130
9.0	500	80	175	5.75	146
	550			6.42	163
	600			7.09	180
	700			8.27	210
	1000			12.01	305

## COATED STAINLESS STEEL CABLE TIES

Coated steel ties made of non magnetic 304 or 316 grade stainless steel coated layer of thin plastic and slightly rounded edges ensure efficient protection of cables before cutting.

## PRODUCT CHARACTERISTICS

- Very strong ball lock. Quick and safe installation in various applications.
- Rounded edges protect the cable from damage.
- Excellent resistance to acids, salt, chemicals and high
- Working Temp: from -80 °C to 150 °C



**DATA CABINETS**

**& MODERN ENCLOSURES**



# WALL CABINETS

## 12U CABINETS



### TUFNC12U150

Dimensions	600(H) x 600(W) x 150(D)
Thickness	1.1mm
Power Box PDU	NA
Glass door with lock	Yes
Vertical cable manager	Yes
Metallic Plate (for fixing optical network unit)	Yes
Fan Tray	NA
Wheel	NA
Total Weight	15.15kg



### TUFNC12U300

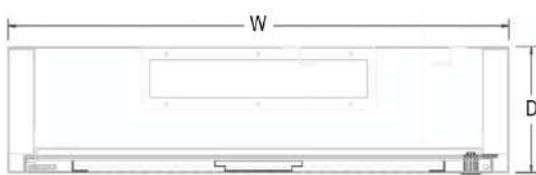
Dimensions	600(H) x 600(W) x 300(D)
Thickness	1.1mm
Power Box PDU	NA
Glass door with lock	Yes
Vertical cable manager	Yes
Metallic Plate (for fixing optical network unit)	Yes
Fan Tray	NA
Wheel	NA
Total Weight	18.57kg



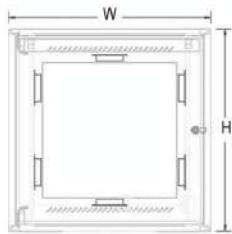
### TUFNC12U500

Dimensions	600(H) x 600(W) x 150(D)
Thickness	1.1mm
Power Box PDU	NA
Glass door with lock	Yes
Vertical cable manager	Yes
Metallic Plate (for fixing optical network unit)	Yes
Fan Tray	NA
Wheel	NA
Total Weight	20.55kg

## TECHNICAL SPECIFICATIONS



TOP VIEW

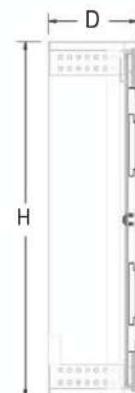


FRONT VIEW



ISOMETRIC VIEW

SIDE VIEW



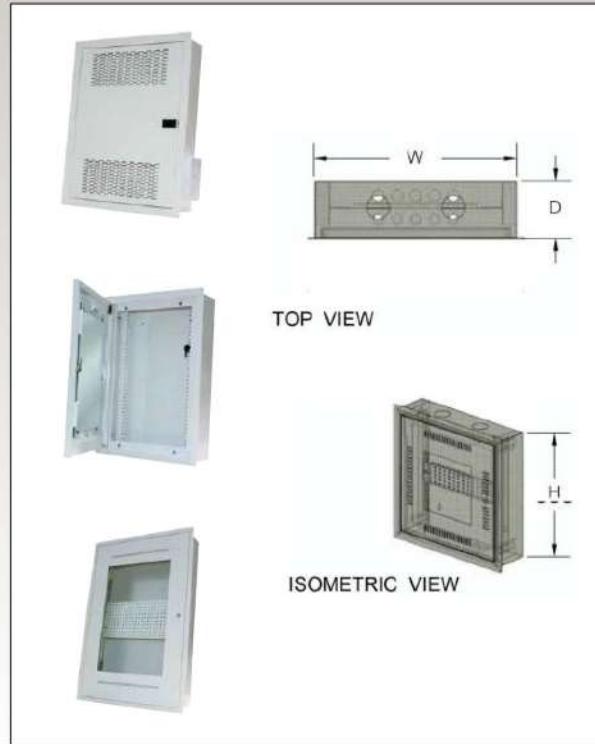
PERSPECTIVE VIEW

## RECESSED REMOVABLE DOOR & FRAME TYPE CABINETS

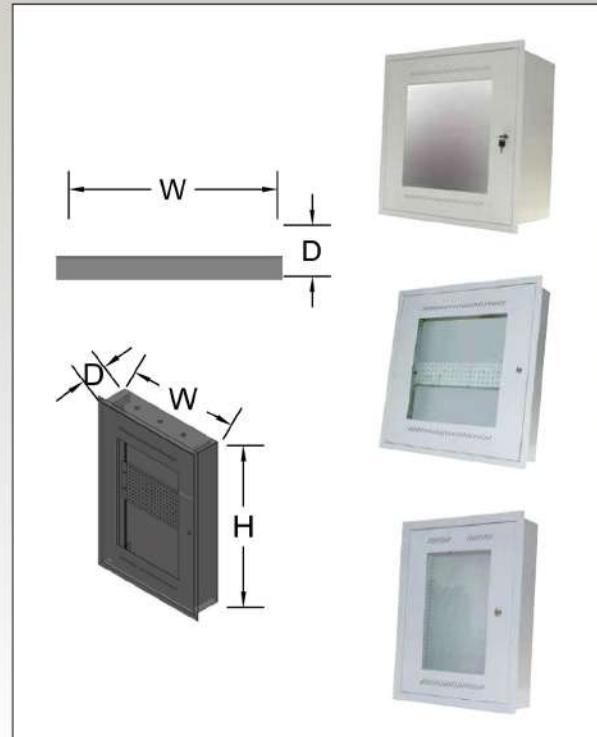
### CONSTRUCTION FEATURES

- Easily removable door and frame. This enable to fix door & frame after all construction works which will improve durability and finish.
- Lockable, aesthetic glass door with quick release hinges.
- Easy knockouts on both top and bottom sides.
- Door can be hinged on left or right side.
- Adjustable powder coated rail mounting assembly.
- High quality powder coated CR steel body & frame.
- Various colour shades available as per customer requirements.

PART NO	DESCRIPTION
TUSTDCRFR40/40/12	400X400X120 Wall Cabinet - Recessed
TUSTDCRFR60/42/12	600X425X120 Wall Cabinet - Recessed
TUSTDCRFR12U15	600X600X150 Wall Cabinet - Recessed
TUSTDCRFR12U30	600X600X300 Wall Cabinet - Recessed
TUSTDCRFR75/60/15	750X600X150 Wall Cabinet - Recessed
TUSTDCRFR90/60/15	900X600X150 Wall Cabinet - Recessed



## RECESSED WALL MOUNTED CABINETS



### CONSTRUCTION FEATURES

- Recessed wall mounted.
- Lockable, aesthetic glass door with quick release hinges.
- Easy knockouts on both top and bottom sides.
- Door can be hinged on left or right side.
- Adjustable powder coated rail mounting assembly.
- High quality powder coated CR steel body & frame.
- Various colour shades available as per customer requirements.

PART NO	DESCRIPTION
TUSTDCRFR40/40/12	400X400X120 Wall Cabinet - Recessed
TUSTDCRFR60/42/12	600X425X120 Wall Cabinet - Recessed
TUSTDCRFR12U15	600X600X150 Wall Cabinet - Recessed
TUSTDCRFR12U30	600X600X300 Wall Cabinet - Recessed
TUSTDCRFR75/60/15	750X600X150 Wall Cabinet - Recessed
TUSTDCRFR90/60/15	900X600X150 Wall Cabinet - Recessed

## MISCELLANEOUS ITEMS



INUSTRIAL PLUGS



MULTI SOCKET



SPIRAL WRAPPING



CABLE MARKER



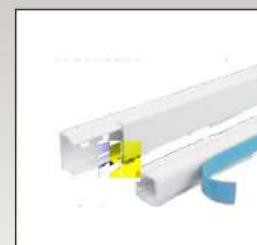
TERMINAL STRIP



PULLING SPRING



BENDING SPRING



PVC TRUNKING



FLEXIBLE WIRE  
CABLE



CAUTION TAPE



ELECTRICAL TAPE



PVC FISHER



## NOTES:



**TUFNELL**  
BRITISH ENGINEERING

**TUFNELL OVERSEAS GOODS  
WHOLESALE LLC**



+971-58-9126137



+971-4-3233854



[Info@tufnelloverseas.com](mailto:Info@tufnelloverseas.com)



[www.tufnelloverseas.com](http://www.tufnelloverseas.com)



P.O. Bo, 122347, Al Musalla Tower, Office 1202 Al Fahidi Metro Station, Bur Dubai, Dubai, U.A.E.