



APPLE INTERNATIONAL
Manufacturers of Ferrous & Non-Ferrous Metal Components



Absolute
Performance

About us

Apple international stands out the distinctive and renowned manufacturer and exporter of wide range of electrical accessories and other precision brass components. Established in the year of 1992 at the city of Brass with its wide experience and knowledge. Apple international has reached at the extreme height in the field manufacturing cable glands, terminal bars, metal boxes and battery clamps and many more. Apple international have total and complete solution of all the brass components under one roof.

An ISO 9001-14000 certified unit spread over 200,000 sq.ft. at Jamnagar with its huge manufacturing strength, young and enthusiastic human resource. Apple international having their own facility right from the conversion to finished product with raw material laboratory and all quality instruments measured from the first stage to final dispatch. Apple international has achieved all quality standards for all customers and won excellence certificate for their quality products.

Since the beginning Apple international has won the customers for their immediate response and fast delivery. Apple international has customers in more than 85 countries with long and friendly relationship.





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Certifications



List of Certificates

- Star Export House
- CSIR - Certificate for Flame Proof - Weather Proof Cable Gland
- TUV Certificate for Cable Glands EN 62444:2013
- Intertek - Certificate of compliance (With low voltage directive)
- ISO 9001:2008
- Intertek - Test Varification of conformity (For Single & Double pole connectors - ES 60998-2-1 in conjunction with EN 60998)
- Intertek - Test of conformity (For Switch & Socket Boxes - BS ES 60670-1 + A1:2013)
- SABS - SANS 1213:2011 (For Mechanical Cable Glands)
- CE Certificate of compliance
- ISO 14001:2004
- BS 951:2009 For Electrical Earthing Clamps



Awards







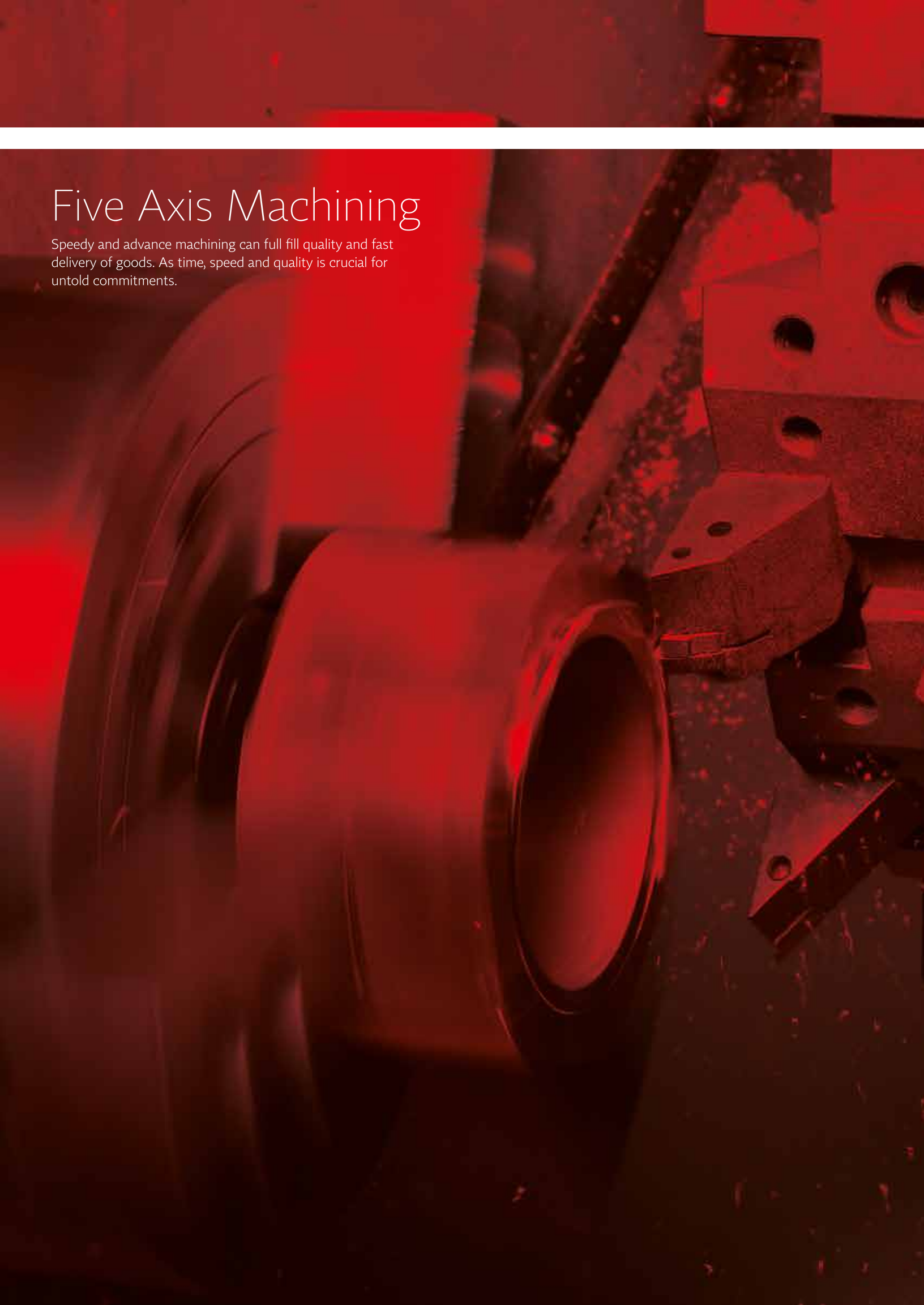
Furnace

Two induction furnace operated foundry with its highest capacity of melting, using pure raw material, can provide any composition of your expectations.



Five Axis Machining

Speedy and advance machining can full fill quality and fast delivery of goods. As time, speed and quality is crucial for untold commitments.





Excellent Tool Room

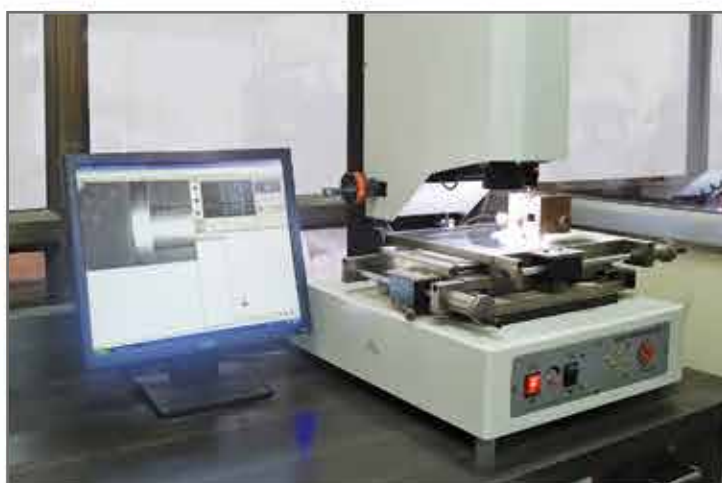






Quality

Apple overall excellence in product is quality.
Apple won the customers and their satisfaction
with quality and timely delivery of goods.
"Apple Product speaks more than words"





Packaging

Apple overall excellence in product is quality.
Apple won the customers and their satisfaction
with quality and timely delivery of goods.
"Apple Product speaks more than words"





Introduction

Cable gland - A device designed to permit the entry of a cable into electrical equipment and which provides sealing and retention. It may also provide other functions such as earthing, bounding, insulation, strain relief or a combination of these.

Cable gland may provide environmental protection by sealing on the outer cable sheath, excluding dust and moisture from the electrical or instrument enclosure.

When used in hazardous area, need to maintain the level of protection of the equipment to which they are attached.

Nomenclature

Table A : Cable Gland primary code for unarmoured and armoured Cables

Code	Definition
A1	For unarmoured cable with an elastomeric or plastic outer sheath, with sealing function between the cable sheath and the sealing ring of the cable gland.
A2	As type A1, but with seal protection degree IP66 means 33 bar pressure
B	No Seal
C	Single outer seal
E	Double (Inner + Outer) Seal
	suffix '1' = Normal
	suffix '2' = Lead Sheathed

Table B : Cable Gland secondary code for armoured Cables

Code	Definition
W	Single wire armour
Y	Strip armour used
X	Braid
T	Pliable wire armour
Z	

Table C : Designation of Cable Gland

Code	Definition
A2	Unarmoured Cable Gland with seal for outer use
BW	Cable Gland for SWA cable without seal for Indoor use
CW	Cable Gland for SWA cable with single seal for Outdoor use
E1W	Cable Gland for SWA cable with double seal for Indoor and Outdoor use
CXT	Cable Gland for braided cable with single seal
E1X	Cable Gland for braided cable with double seal



Cable Gland



BW Industrial Cable Gland

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

Technical Specification

Threading	Metric
Standard	BS 6121:2005, EN 62444:2013
Cable Type	SWA and AWA
Material	Brass
Accessories	Earth Tag, Lock Nut, LSF/PVC/LSOH, PVC Shroud
Packing Kit	Kit Include two pcs of Gland and accessories up to 32mm, 40mm and above single pcs of each
Other Thread Sizes are Available on Request	



Cable Gland Selection Table

Size	Thread Size		Cable Acceptances			Hexagonal Details		Product Code
	Diameter	Length	Max. Dia.	Max. Dia.	Armour Wire Size	A/F	A/C	
20S	20	10	11.8	15.8	0.90/1.25	22	24.4	ABW 20S
20	20	10	13.8	19.5	0.90/1.25	25	27.7	ABW 20
25S	25	10	18	23.8	1.25/1.60	31	32.5	ABW 25S
25	25	10	19.8	27	1.25/1.60	33	36.6	ABW 25
32	32	10	26.4	33.5	1.60/2.00	40	44.4	ABW 32
40S	40	10	31	37	1.60/2.00	45	50	ABW 40S
40	40	15	32.4	40.1	1.60/2.00	48	53.3	ABW 40
50S	50	15	37.8	48.0	2.00/2.50	58	65	ABW 50S
50	50	15	44	52.6	2.00/2.50	62.5	69.4	ABW 50
63S	63	15	50.5	60.5	2.5	70	77	ABW 63S
63	63	15	56.2	65.5	2.5	76	84.4	ABW 63
75S	75	15	62	71.6	2.5	85	94.4	ABW 75S
75	75	15	67.5	78.5	2.50/3.15	90.5	99	ABW 75
90	90	20	80	93	3.15	112	125	ABW 90

Dimensions are displayed in millimeters unless and otherwise stated

CW Single Compression Industrial Cable Gland

CW type brass cable gland, for outdoor use with steel wire Armoured (SWA) cable.

Technical Specification

Threading	Metric
Standard	BS 6121:2005, EN 62444:2013
Cable Type	Steel Wire Armour (SWA)
Material	Brass
Accessories	Earth Tag, Lock Nut, Entry Thread Seal, LSF/PVC/LSOH, PVC Shroud
Packing Kit	Kit Include two pcs of Gland and accessories up to 32mm, 40mm and above single pcs of each
Other Thread Sizes are Available on Request	



Cable Gland Selection Table

Size	Thread Size		Cable Acceptances			Hexagonal Details		Product Code
	Diameter	Length	Max. Dia.	Max. Dia.	Armour Wire Size	A/F	A/C	
20/16	16	10	8.6	13.5	0.9	20	23	ACW 20/16
20S	20	10	12.5	17	0.90/1.25	24	28	ACW 20S
20	20	10	14.4	20.5	0.90/1.25	27	31	ACW 20
25S	25	10	17.8	23.8	1.25/1.60	31	34	ACW 25S
25	25	10	20.4	27	1.25/1.60	34.3	38.5	ACW 25
32	32	10	26.5	33	1.60/2.00	41.5	46.5	ACW 32
40S	40	10	31	37	1.60/2.00	45	50	ACW 40S
40	40	15	32.5	40.8	1.60/2.00	49	54	ACW 40
50S	50	15	37.8	48	2.00/2.50	58	65	ACW 50S
50	50	15	44	53.5	2.00/2.50	62.3	69.5	ACW 50
63S	63	15	50.5	60.5	2.5	70	78	ACW 63S
63	63	15	56.5	65.5	2.5	76.3	85	ACW 63
75S	75	15	62.5	72	2.5	85	95	ACW 75S
75	75	15	67.5	78.5	2.50/3.15	90.5	99	ACW 75
90	90	20	80	94	3.15	112	125	ACW 90

Dimensions are displayed in milimeters unless and otherwise stated



E1W Double Compression Industrial Cable Gland

E1W type brass cable gland, for Indoor and outdoor use with all types of Armoured cables.

Technical Specification

Threading	Metric
Standard	BS 6121:2005, EN 62444:2013
Cable Type	All Types of Armoured Cables
Material	Brass
Accessories	Earth Tag, Lock Nut, Entry Thread Seal, LSF/PVC/LSOH, PVC Shroud
Packing Kit	Kit Include two pcs of Gland up to 32mm, 40mm and above single pcs of each
Other Thread Sizes are Available on Request	



Cable Gland Selection Table

Size	Thread Size		Cable Acceptances			Hexagonal Details		Product Code
	Diameter	Length	Max. Dia.	Max. Dia.	Armour Wire Size	A/F	A/C	
20/16	20	15	9	13.8	0.9	22	24.4	AE1W 20/16
20S	20	15	11.8	15.8	0.9/1.25	24	26.6	AE1W 20S
20	20	15	13.8	20	0.9/1.25	30	33.3	AE1W 20
25	25	15	19.8	27.5	1.25/1.60	38	42.2	AE1W 25
32	32	15	26.4	33.5	1.60/2.00	46	51	AE1W 32
40	40	20	32.4	40.9	1.60/2.00	55	61	AE1W 40
50S	50	20	38	46.3	2.00/2.50	60	66.6	AE1W 50S
50	50	20	44	52.6	2.00/2.50	65	72.1	AE1W 50
63S	63	20	49	61.5	2.5	75	83.2	AE1W 63S
63	63	20	55.5	65.3	2.5	80	88.8	AE1W 63
75S	75	20	62	73	2.5	90	100	AE1W 75S
75	75	20	67	78	2.5	95	105.4	AE1W 75

Dimensions are displayed in millimeters unless and otherwise stated

A1/A2 Single Compression Industrial Cable Gland

A1/A2 type brass cable gland, for use with all types of unarmoured cable with outer seal

Technical Specification

Threading	Metric
Standard	BS 6121:2005, EN 62444:2013
Cable Type	Unarmour
Material	Brass
Accessories	Lock Nut, Entry Thread Seal, LSF/PVC/LSOH, PVC Shroud
Packing Kit	Kit Include two pcs of Gland and accessories up to 32mm, 40mm and above single pcs of each
Other Thread Sizes are Available on Request	



Cable Gland Selection Table

Size	Thread Size		Cable Acceptances		Hexagonal Details		Product Code
	Diameter	Length	Max. Dia.	Max. Dia.	A/F	A/C	
20/16	20	10	3.5	9	22	24.4	AA2 20/16
20S	20	10	8	11.8	22	24.4	AA2 20S
20	20	10	11	13.8	25	27.7	AA2 20
25	25	10	13	19.8	32	35.6	AA2 25
32	32	10	19	26.4	41	45.5	AA2 32
40	40	15	25	32.4	48	53.3	AA2 40
50S	50	15	31.5	38	60	66.6	AA2 50S
50	50	15	36.5	44	65	72.1	AA2 50
63S	63	15	42.5	49	75	83.2	AA2 63S
63	63	15	48.5	55.5	75	83.2	AA2 63
75S	75	15	54.5	62	84	93.2	AA2 75S
75	75	15	60.5	67	90	100	AA2 75
90	90	20	66	79	106	117.6	AA2 90
100	100	20	78	88	112	125	AA2 100

Dimensions are displayed in milimeters unless and otherwise stated



CXT Single Compression Industrial Cable Gland

CXT type brass cable gland, use for braided cable with single seal.

Technical Specification

Threading	Metric
Standard	BS 6121:2005, EN 62444:2013
Cable Type	Braided Cable
Material	Brass
Accessories	Lock Nut, Entry Thread Seal, LSF/PVC/LSOH, PVC Shroud
Packing Kit	Kit Include two pcs of Gland and accessories up to 32mm, 40mm and above single pcs of each
Other Thread Sizes are Available on Request	



Cable Gland Selection Table

Size	Thread Size		Cable Acceptances		Hexagonal Details		Product Code
	Diameter	Length	Max. Dia.	Max. Dia.	A/F	A/C	
20S	20	15	6.1	11.6	24	26.5	ACXT 20S
20	20	15	6.5	13.9	27	30	ACXT 20
25	25	15	11.1	19.9	36	39.75	ACXT 25
32	32	15	17	26.15	41	46	ACXT 32
40	40	15	22	32.1	49.25	55	ACXT 40
50S	50	15	29.8	38.1	54.75	61.3	ACXT 50S
50	50	15	36.9	43.3	60	66.5	ACXT 50
63S	63	15	42.2	49.9	70.25	77.5	ACXT 63S
63	63	15	48.3	54.9	74.75	83	ACXT 63
75S	75	15	54.2	62	80	89	ACXT 75S
75	75	15	59.8	66.9	84	94	ACXT 75
90	90	18	66.6	79.3	107	118	ACXT 90

Dimensions are displayed in millimeters unless and otherwise stated

BWR Rotary Cable Gland

Product Code	Size
ABWR 0	0
ABWR 1	1
ABWR 2	2
ABWR 3	3
ABWR 4	4
ABWR 5	5
ABWR 6	6
ABWR 7	7



BWL Loose Cone Gland

Product Code	Size
ABWL 0	0
ABWL 1	1
ABWL 2	2
ABWL 3	3
ABWL 4	4
ABWL 5	5
ABWL 6	6
ABWL 7	7



A2 Compression Gland

Product Code	Size
AA2 00	0.0
AA2 0	0
AA2 1	1
AA2 2	2
AA2 3	3
AA2 4	4
AA2 5	5
AA2 6	6

NP Gland UK Type

Product Code	Size
ANP 8	8
ANP 10	10
ANP 12	12
ANP 16	16
ANP 20	20
ANP 25	25
ANP 32	32
ANP 40	40
ANP 50	50
ANP 63	63



Wiping Gland

Size	Cable Dia.
X	12 TO 51
Y	25 TO 78
Z	25 TO 94

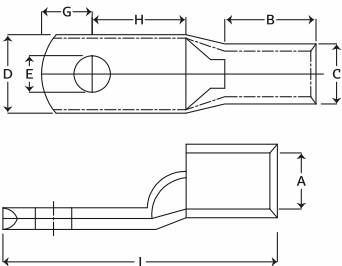




Cable Lugs

Crimping Type Copper Tubular Cable Terminal

Material	E Copper
Finish	Electro Tinned



Cable mm2	Stud Hole E	A	C	D	G	H	B	J	Product Code
1.5	4.2	1.8	3.7	8	4	5	6	17	HT1.5-4
	5.2	1.8	3.7	8	4	5	6	17	HT1.5-5
	6.5	1.8	3.7	10	4	6	6	18	HT1.5-6
2.5	4.2	2.4	4	8	4	5	8	19	HT2.5-4
	5.2	2.4	4	8	4	5	8	19	HT2.5-5
	6.5	2.4	4	10	5	6	8	21	HT2.5-6
	8.4	2.4	4.2	12	6	9	8	26	HT2.5-8
4	4.2	3.1	4.8	10	5	6	8	21	HT4-4
	5.2	3.1	4.8	10	5	6	8	21	HT4-5
	6.5	3.1	4.8	10	5	6	8	21	HT4-6
	8.4	3.1	4.8	12	6	9	8	26	HT4-8
6	5.2	3.8	5.5	10	5	6	10	24	HT6-5
	6.5	3.8	5.5	10	5	6	10	24	HT6-6
	8.4	3.8	5.5	12	6	9	10	28	HT6-8
	10.5	3.8	6	15	8	11	10	32	HT6-10
10	6.5	4.5	6.2	11	6	7	10	26	HT10-6
	8.4	4.5	6.2	12	6	9	10	28	HT10-8
	10.5	4.5	6.8	15	8	11	11	33	HT10-10
16	6.5	5.4	7.1	12	7	7	12	30	HT16-6
	8.4	5.4	7.1	12	7	7	12	30	HT16-8
	10.5	5.4	7.6	15	8	2	12	36	HT16-10
	13	5.4	7.6	17	11	3	12	39	HT16-12
25	6.5	6.8	8.8	13	7	7	12	30	HT25-6
	8.4	6.8	8.8	13	7	7	12	30	HT25-8
	10.5	6.8	8.8	15	10	11	13	38	HT25-10
	13	6.8	9.2	17	10	12	15	41	HT25-12
35	6.5	8.2	10.6	16	9	9	13.5	37	HT35-6
	8.4	8.2	10.6	16	9	9	13.5	37	HT35-8
	10.5	8.2	10.6	16	9	9	13.5	37	HT35-10
	13	8.2	10.6	18	10	12	13.5	41	HT35-12
	17	8.2	10.6	22	14	18	13.5	50	HT35-16

Cable mm2	Stud Hole E	A	C	D	G	H	B	J	Product Code
50	8.4	9.5	12.4	18	9	10	17	42	HT50-8
	10.5	9.5	12.4	18	9	10	17	42	HT50-10
	13	9.5	12.4	20	10	12	17	45	HT50-12
	17	9.5	12.4	22	15	15	18	54	HT50-16
70	8.4	11.3	14.6	21	11	11	18.5	47	HT70-8
	10.5	11.3	14.6	21	11	11	18.5	47	HT70-10
	13	11.3	14.6	21	11	11	18.5	47	HT70-12
	14.5	11.3	14.6	22	14	15	18.5	55	HT70-14
	17	11.3	14.6	26	14	16	18.5	56	HT70-16
95	10.5	13.5	17.4	25	12	13	21	53	HT95-10
	13	13.5	17.4	25	12	13	21	53	HT95-12
	14.5	13.5	17.4	25	14	15	22	55	HT95-14
	17	13.5	17.4	25	14	16	22	56	HT95-16
120	13	15	19.4	28	13	14	23	60	HT120-12
	14.5	15	19.4	28	13	14	23	60	HT120-14
	17	15	19.4	28	16	16	23	64	HT120-16
150	13	16.5	21.2	30	16	16	27	70	HT150-12
	14.5	16.5	21.2	30	16	16	27	70	HT150-14
	17	16.5	21.2	30	16	16	27	70	HT150-16
	21	16.5	21.2	30	19	16	27	73	HT150-20
185	13	18.5	23.5	34	17	19	32	80	HT185-12
	14.5	18.5	23.5	34	17	19	32	80	HT185-14
	17	18.5	23.5	34	17	19	32	80	HT185-16
	21	18.5	23.5	34	17	19	32	80	HT185-20
240	13	21	26.5	38	20	20	37	94	HT240-12
	17	21	26.5	38	20	20	37	94	HT240-14
	17	21	26.5	38	20	20	37	94	HT240-16
	21	21	26.5	38	20	20	37	94	HT240-20
	-	21	26.5	38	-	-	37	94	HT240-BL
300	13	23.5	30	43	22	22	42	102	HT300-12
	14.5	23.5	30	43	22	22	42	102	HT300-14
	17	23.5	30	43	22	22	42	102	HT300-16
	21	23.5	30	43	22	22	42	102	HT300-20
	-	23.5	30	43	-	-	42	102	HT300-BL
400	13	28.5	36.5	52.5	26	26	44	114	HT400-12
	14.5	28.5	36.5	52.5	26	26	44	114	HT400-14
	17	28.5	36.5	52.5	26	26	44	114	HT400-16
	21	28.5	36.5	52.5	26	26	44	114	HT400-20
	-	28.5	36.5	52.5	-	-	44	114	HT400-BL
500	17	30	39	56	28	28	48	121	HT500-16
	21	30	39	56	28	28	48	121	HT500-20
	-	30	39	56	-	-	48	121	HT500-BL



Cable mm2	Stud Hole E	A	C	D	G	H	B	J	Product Code
630	17	35	45	63.8	33	33	58	144	HT630-16
	21	35	45	63.8	33	33	58	144	HT630-20
	-	35	45	63.8	-	-	58	144	HT630-BL
	16	35	41.5	61	25	25	70	144	HT630-16
	20	35	41.5	61	25	25	70	144	HT630-20
800	-	39	50.6	72	-	-	78	170	HT800-BL
1000	-	43	56.2	78.5	-	-	90	200	HT1000-BL

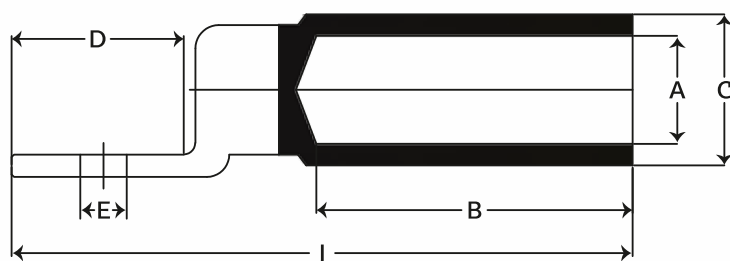
For ordering BELL MOUTH cable terminals prefix B to the Product code no. eg. HT1.5-4 will be BHT1.5-4

Dimensions are displayed in milimeters unless and otherwise stated

Aluminium - Copper Bi-Metal Terminals (With Copper Palms)

Material E Copper & Aluminium

Finish Natural



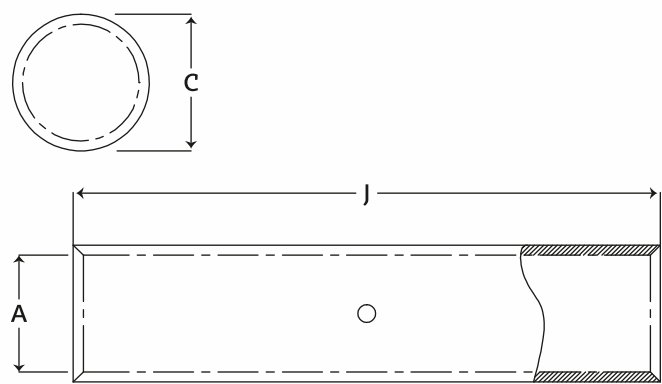
Cable mm2	A	C	D	E	J	B	Product Code
16	5.5	16	20	10.3	79	43	AHBT16-10
25	6.5	16	20	10.3	79	43	AHBT25-10
35	8	16	20	10.3	79	43	AHBT35-10
50	9	20	25	12.8	85	43	AHBT50-12
70	11	20	25	12.8	85	43	AHBT70-12
95	12.5	20	25	12.8	85	43	AHBT95-12
120	13.7	25	30	12.8	108	59	AHBT120-12
150	15.5	25	30	12.8	108	59	AHBT150-12
185	17	32	35	14.5	115	59	AHBT185-14
240	19.5	32	35	14.5	115	59	AHBT240-14
300	23.3	40	36	16.5	137	85	AHBT300-16
400	26	40	36	16.5	153.5	85	AHBT400-16
500	29.1	47	60X60	16.5	196	95	AHBT500-16
630	33.5	47	60X60	4Ø9	196	95	AHBT630 4X9
800	37	53	80X80	4Ø9	232	100	AHBT800 4X9
1000	42	60	80X80	4Ø9	256	126	AHBT1000 4X9
1300	46.5	65	80X80	4Ø11	267	136	AHBT1300 4X11

Square Palm is also available on request

Dimensions are displayed in milimeters unless and otherwise stated

Crimping Type Copper Tubular Connector

Material	E Copper
Finish	Electro Tinned



Long Barrel Connectors				
Cable mm2	A	C	J	Product Code
1.5	1.8	3.7	22	HC1.5
2.5	2.4	4	22	HC2.5
4	3.1	4.8	22	HC4
6	3.8	5.5	22	HC6
10	4.5	6.2	22	HC10
16	5.4	7.1	44	HC16
20	6.3	7.7	44	HC20
25	6.8	8.8	47	HC25
35	8.2	10.6	47	HC35
50	9.5	12.4	47	HC50
70	11.3	14.7	50	HC70
95	13.5	17.4	54	HC95
120	15	19.4	65	HC120
150	16.5	21.2	65	HC150
185	18.5	23.5	65	HC185
240	21	26.5	89	HC240
300	23.5	30	89	HC300
400	28.5	36.5	90	HC400
500	30	39	115	HC500
550	31.7	41.5	115	HC550
630	35	45	115	HC630
800	39	50.6	230	HC800
1000	43	56.2	230	HC1000

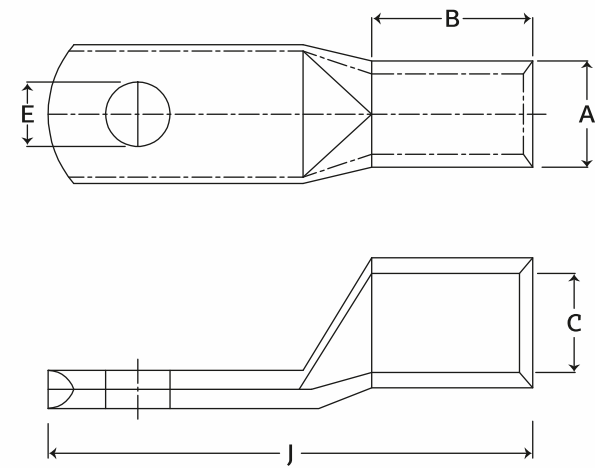
Short Barrel Connectors				
Cable mm2	A	C	J	Product Code
1.5	1.8	3.7	12	HL1.5
2.5	2.4	4	15	HL2.5
4	3.1	4.8	15	HL4
6	3.8	5.5	15	HL6
10	4.5	6.2	20	HL10
16	5.4	7.1	20	HL16
20	6.3	7.7	22	HL20
25	6.8	8.8	32	HL25
35	8.2	10.6	36	HL35
50	9.5	12.4	40	HL50
70	11.3	14.7	45	HL70
95	13.5	17.4	45	HL95
120	15	19.4	45	HL120
150	16.5	21.2	55	HL150
185	18.5	23.5	60	HL185
240	21	26.5	80	HL240
300	23.5	30	85	HL300
400	28.5	36.5	85	HL400
500	30	39	100	HL500
550	31.7	41.5	110	HL550
630	35	45	110	HL630
800	39	50.6	150	HL800
1000	43	56.2	170	HL1000

Dimensions are displayed in millimeters unless and otherwise stated



Copper Tubular Cable Lugs (Without Inspection Hole)

Material	E Copper
Finish	Electro Tinned

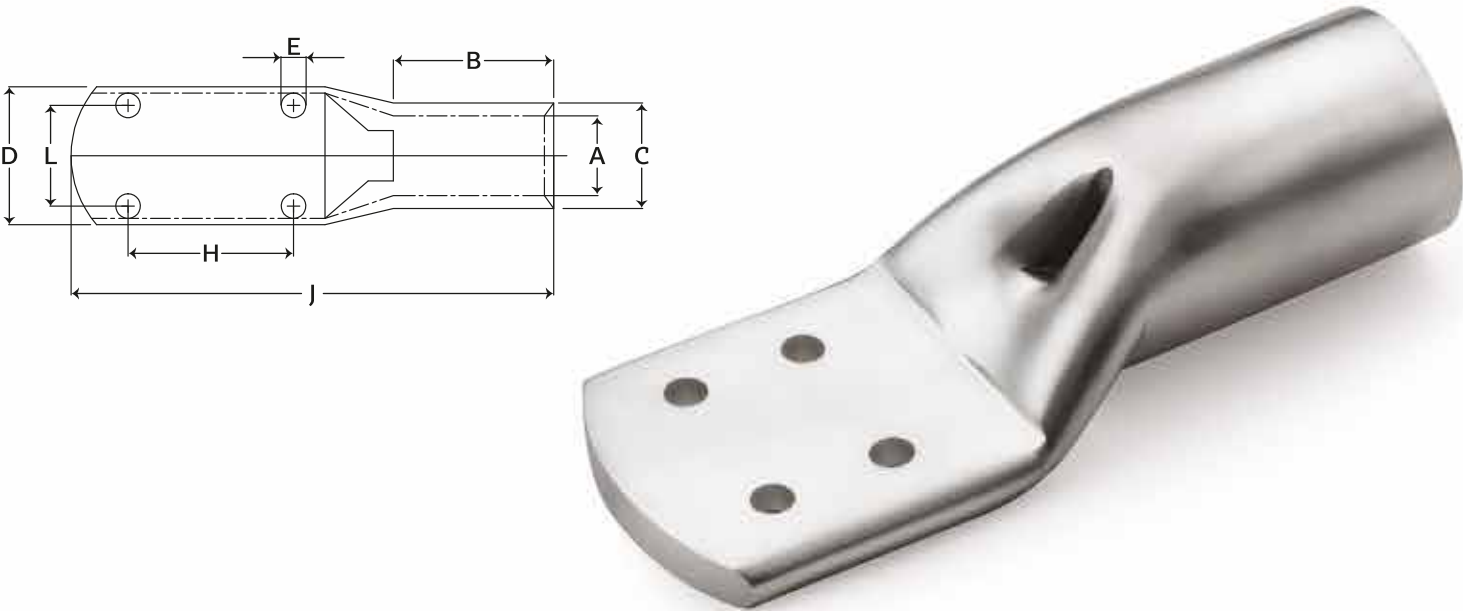


Cable mm 2	Stud Hole E	A	C	B	J	Product Code
1.5	5.3	1.8	3.7	5	16	HNL15.-5
2.5	5.3	2.4	4	8	22	HNL2.5-5
4	5.3	3.1	4.8	8	22	HNL4-5
6	6.5	3.8	5.5	9	23.5	HNL6-6
10	6.5	4.5	6.2	10	26.5	HNL10-6
16	8.5	5.4	7.1	13	32	HNL16-8
25	8.5	6.8	8.8	15	35	HNL25-8
35	8.5	8.2	10.6	17	44	HNL35-8
50	10.5	9.5	12.4	19	51	HNL50-10
70	10.5	11.2	14.7	21	51.5	HNL70-10
95	13	13.5	17.4	24	59	HNL95-12
120	13	15	19.4	24	65	HNL120-12
150	13	16.5	21.2	30	72	HNL150-12
185	17	19	23.5	30	82	HNL185-16
240	17	21	26.5	35	94	HNL240-16
300	21	23.5	30	46	111	HNL300-20
400	21	27	36.5	49	114	HNL400-20
500	21	30	39	58	134	HNL500-20
630	21	34	44	68	144	HNL630-20
800	21	40	51	100	195	HNL800-20
1000	21	44	56	100	200	HNL1000-20

Other Sizes are also available on request
Dimensions are displayed in milimeters unless and otherwise stated

Transformer Copper Terminal Ends (4 Holes)

Material	E Copper
Finish	Electro Tinned



Cable mm2	Stud Hole E	A	C	D	B	L	H	J	Product Code
300	8.5	23.5	30	56	42	35	25	101	HT3004E8
	10.5	23.5	30	56	42	35	25	101	HT3004E10
400	8.5	28.5	36.5	56	44	35	25	114	HT4004E8
	10.5	28.5	36.5	56	44	35	25	114	HT4004E10
500	8.5	30	39	56	48	35	25	124	HT5004E8
	10.5	30	39	56	48	35	25	124	HT5004E10
630	8.5	35	45	65	56	35	25	144	HT6304E8
	10.5	35	45	65	56	35	25	144	HT6304E10

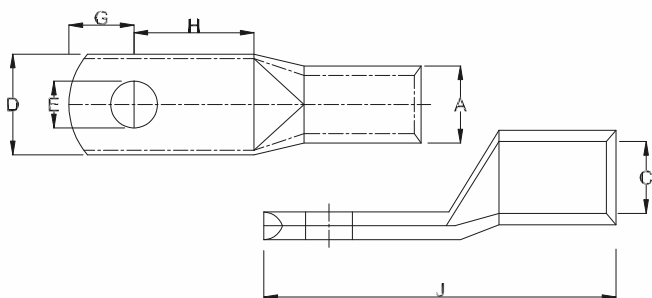
Flat Head available on request
Dimensions are displayed in millimeters unless and otherwise stated



High Voltage Copper Terminals - 33KV

Material	E Copper
Finish	Electro Tinned

These Terminals are designed for high voltage applications upto 33kv
They are manufactured from high purity annealed copper tube
The extended barrel enhances both electrical and mechanical performance
The absence of an inspection hole to prevent moisture entry into the crimped joint makes these terminals suitable for outdoor applications.

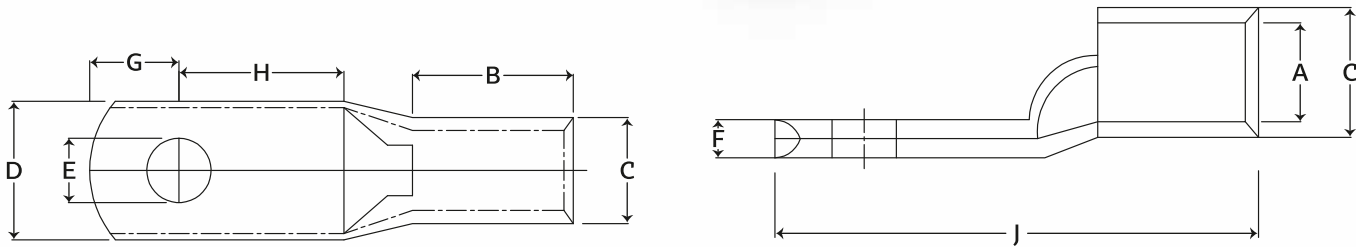


Cable mm2	Stud Hole E	A	C	D	G	H	J	Product Code
25	8	6.8	10	14	8	9	65	HVCT25-8
	10	6.8	10	18	11	13	72	HVCT25-10
	12	6.8	10	21	14	16	78	HVCT25-12
35	12	8.2	12.5	21	14	16	79	HVCT35-12
	16	8.2	12.5	26	17	19	85	HVCT35-16
50	12	9.5	14.5	21	14	16	79	HVCT50-12
	16	9.5	14.5	26	17	19	85	HVCT50-16
70	12	11	16	28	14	16	81	HVCT70-12
	16	11	16	30	17	19	87	HVCT70-16
95	12	13.5	19	28	14	16	91	HVCT95-12
	14	13.5	19	29	16	18	95	HVCT95-14
	16	13.5	19	30	17	20	97	HVCT95-16
120	12	15	20.5	31	14	16	97	HVCT120-12
	14	15	20.5	31	16	18	101	HVCT120-14
150	12	16.5	23	32	14	16	97	HVCT150-12
	14	16.5	23	32	16	18	101	HVCT150-14
185	14	17	23.5	32.5	16	18	101	HVCT185-14
240	14	19.2	23.5	44	16	18	105	HVCT240-14
300	14	23.5	32	43	16	18	105	HVCT300-14
400	14	27	38	51	19	22	140	HVCT400-14
	16	27	38	51	19	22	140	HVCT400-16
	20	27	38	51	23	24	146	HVCT400-20
500	16	30.3	41	56.5	19	22	147	HVCT500-16
	20	30.3	41	56.5	23	24	153	HVCT500-20
630	16	33.4	43	61.5	19	22	159	HVCT630-16
	20	33.4	43	61.5	23	24	165	HVCT630-20

Barrels can be capped and filled with grease to avoid oxidation of conductor - Only on special request
Dimensions are displayed in milimeters unless and otherwise stated

Soldering Type Copper Terminals Ends

Material	E Copper
Finish	Electro Tinned



Cable mm2	Stud Hole E	A	C	D	G	H	J	Product Code
60AMP	10	9.55	11.4	15	47	9.6	17	HA60AMP
100AMP	11	11.9	14	17	59	12.8	20.5	HA100AMP
150AMP	12	14.3	17.2	20	68	14.2	25.5	HA150AMP
200AMP	14	16.7	19.9	28	78	17.6	29.5	HA200AMP
300AMP	17	20.7	24.4	33	87	20.7	36	HA300AMP
400AMP	20	23.8	27.9	36	104	23.8	41.5	HA400AMP
500AMP	21	26.2	31.5	40	108	27.2	46	HA500AMP

Dimensions are displayed in millimeters unless and otherwise stated

Brass Battery Terminal

Apple can manufacture all types of Battery Terminals as per customised specs. The best use of Brass Battery terminals is in a corrosive type environment, found in marine electrical system.

Brass Battery terminals provide low resistance and high strength and are easily solderable to provide maximum current conduction.

Battery Terminals plays major role as an accessory in automobile Batteries. High performance of any vehicle can be primarily sensed at the time of its ignition start of any like Bike, Car, Truck, Bus, Tractor , Invertor etc.

Material	Brass IS 319 Type (I) or Brass as per BS 249 Type (I) or CW617N
Thread	ISO Metric Thread, BSW Thread UNC, UNF Thread
Fastener	Steel Fasteners are available in White/Yellow Zinc Passivation .Wing nut and Spring Washers are available in white Zinc.
Finish	Natural, Nickel Plated, Tin Plated as per requirement





Metal
Box



GI Box

Apple Pre Galvanised Switch & Socket boxes are available with or without brass earth terminals and with or without adjustable lug. The Boxes are packed in standard tray type packing.

Material	Pre Galvanised sheet
Standard	BS 4662



Technical Specification

Description	Knockouts	Adjustable Lug	Fixed Lug	Thickness	Earth Terminal	Product Code
3 X 3 - 16mm	2 X (11X22mm) & 2 X (11.6 X 25.5mm)	1	1	0.9/1.1	Brass Pillar	3316A0.9/1.1
3 X 6 - 16mm	-	-	2	0.9/1.1	Brass Pillar	3616A0.9/1.1
3 X 3 - 25mm	12 X 20mm	1	3	0.9/1.1	Brass Pillar	3325A0.9/1.1
3 X 6 - 25mm	16 X 20mm	1	1	0.9/1.1	Brass Pillar	3625A0.9/1.1
3 X 3 - 35mm	7 X 20mm & 4 X 25mm	2	2	1.1	Brass Pillar	33351A-1.1
3 X 6 - 35mm	8 X 20mm & 8 X 25mm	1	1	1.1	Brass Pillar	36351A-1.1
3 X 3 - 35mm	7 X 20mm & 4 X 25mm	1	3	0.9	Brass Pillar	33351A-0.9
3 X 6 - 35mm	10 X 20mm & 4 X 25mm	1	1	0.9	Brass Pillar	36351A-0.9
3 X 3 - 47mm	7 X 20mm & 4 X 25mm	2	2	1.1	Brass Pillar	33471A-1.1
3 X 6 - 47mm	8 X 20mm & 8 X 25mm	1	1	1.1	Brass Pillar	36471A-1.1
3 X 3 - 47mm	7 X 20mm & 4 X 25mm	2	2	0.9	Brass Pillar	33471A-0.9
3 X 6 - 47mm	8 X 20mm & 4 X 25mm	1	1	0.9	Brass Pillar	36471A-0.9
3 X 3 X 16 Ext Box	2 X (11.6 X 25.5mm)	1	1	-	No Pillar	3316EB1A
3 X 6 X 16 Ext Box		0	2	-	No Pillar	3616EB1A
3 X 3 X 25 Ext Box	8 X 20mm	1	3	-	No Pillar	3325EB1A
3 X 6 X 25 Ext Box	12 X 20mm	1	1	-	No Pillar	3625EB1A
3 X 3 X 35 Ext Box	8 X 20mm	1	3	-	No Pillar	3335EB1A
3 X 6 X 35 Ext Box	12 X 20mm	1	1	-	No Pillar	3635EB1A
25mm Dual	16 X 20mm	-	2	-	Brass Pillar	25DUA
35mm Dual	16 X 20mm	-	2	-	Brass Pillar	35DUA
1 Gang 27 Architrave	2 X 16.7mm	-	2	-	Brass Pillar	127ARCA
35mm Long Box	18 X 20mm	-	2	-	Brass Pillar	35LBA
1 + 2 Dual	17 X 20mm & 2 X 25mm	2	-	-	Brass Pillar	1+2DUA

Dual Box, Shaver Box and Architrave other sizes available on request. Special Knockout configurations also available on request.

Adaptable Boxes



Size	K/O/Plain	Product Code	
		Black	Galvanised
H3 X W3 X D1.5" /	K/O	A3311/2BK	A3311/2GK
H75 X W75 X D38mm	Plain	A3311/2BP	A3311/2GP
H3 X W3 X D2" /	K/O	A332BK	A332GK
H75 X W75 X D50mm	Plain	A332BP	A332GP
H3 X W3 X D3" /	K/O	A333BK	A333GK
H75 X W75 X D75mm	Plain	A333BP	A333GP
H4 X W3 X D2" /	K/O	A432BK	A432GK
H100 X W75 X D50mm	Plain	A432BP	A432GP
H4 X W4 X D1.5" /	K/O	A4411/2BK	A4411/2GK
H100 X W100 X D38mm	Plain	A4411/2BP	A4411/2GP
H4 X W4 X D2" /	K/O	A442BK	A442GK
H100 X W100 X D50mm	Plain	A442BP	A442GP
H4 X W4 X D3" /	K/O	A443BK	A443GK
H100 X W100 X D75mm	Plain	A443BP	A443GP
H4 X W4 X D4" /	K/O	A444BK	A444GK
H100 X W100 X D100mm	Plain	A444BP	A444GP
H6 X W3 X D2" /	K/O	A632BK	A632GK
H150 X W75 X D50mm	Plain	A632BP	A632GP
H6 X W3 X D3" /	K/O	A633BK	A633GK
H150 X W75 X D75mm	Plain	A633BP	A633GP
H6 X W4 X D2" /	K/O	A642BK	A642GK
H150 X W100 X D50mm	Plain	A642BP	A642GP
H6 X W4 X D3" /	K/O	A643BK	A643GK
H150 X W100 X D75mm	Plain	A643BP	A643GP
H6 X W4 X D4" /	K/O	A644BK	A644GK
H150 X W100 X D100mm	Plain	A644BP	A644GP
H6 X W6 X D1.5" /	K/O	A6611/2BK	A6611/2GK
H150 X W150 X D38mm	Plain	A6611/2BP	A6611/2GP
H6 X W6 X D2" /	K/O	A662BK	A662GK
H150 X W150 X D50mm	Plain	A662BP	A662GP



Size	K/O/Plain	Product Code	
		Black	Galvanised
H6 X W6 X D3" /	K/O	A663BK	A663GK
H150 X W150 X D75mm	Plain	A663BP	A663GP
H6 X W6 X D4" /	K/O	A664BK	A664GK
H150 X W150 X D100mm	Plain	A664BP	A664GP
H6 X W6 X D6" /	K/O	A666BK	A666GK
H150 X W150 X D150mm	Plain	A666BP	A666GP
H9 X W3 X D2" /	K/O	-	A932GK
H225 X W75 X D50mm	Plain	-	A932GP
H9 X W4 X D2" /	K/O	-	A942GK
H225 X W100 X D50mm	Plain	-	A942GP
H9 X W4 X D3" /	K/O	-	A943GK
H225 X W100 X D75mm	Plain	A943BP	A943GP
H9 X W6 X D2" /	K/O	A962BK	A962GK
H225 X W150 X D50mm	Plain	A962BP	A962GP
H9 X W6 X D3" /	K/O	A963BK	A963GK
H225 X W150 X D75mm	Plain	A963BP	A963GP
H9 X W6 X D4" /	K/O	A964BK	A964GK
H225 X W150 X D100mm	Plain	A964BP	A964GP
H9 X W9 X D2" /	K/O	A992BK	A992GK
H225 X W225 X D50mm	Plain	A992BP	A992GP
H9 X W9 X D3" /	K/O	A993BK	A993GK
H225 X W225 X D75mm	Plain	A993BP	A993GP
H9 X W9 X D4" /	K/O	A994BK	A994GK
H225 X W225 X D100mm	Plain	A994BP	A994GP
H9 X W9 X D6" /	K/O	A996BK	A996GK
H225 X W225 X D150mm	Plain	A996BP	A996GP
H12 X W6 X D2" /	K/O	A1262BK	A1262GK
H300 X W150 X D50mm	Plain	A1262BP	A1262GP
H12 X W6 X D3" /	K/O	A1263BK	A1263GK
H300 X W150 X D75mm	Plain	A1263BP	A1263GP
H12 X W6 X D4" /	K/O	A1264BK	A1264GK
H300 X W150 X D100mm	Plain	A1264BP	A1264GP
H12 X W9 X D3" /	K/O	A1293BK	A1293GK
H300 X W225 X D75mm	Plain	A1293BP	A1293GP
H12 X W9 X D4" /	K/O	A1294BK	A1294GK
H300 X W225 X D100mm	Plain	A1294BP	A1294GP
H12 X W9 X D6" /	K/O	A1296BK	A1296GK
H300 X W225 X D150mm	Plain	A1296BP	A1296GP
H12 X W12 X D2" /	K/O	A12122BK	A12122GK
H300 X W300 X D50mm	Plain	A12122BP	A12122GP
H12 X W12 X D3" /	K/O	A12123BK	A12123GK
H300 X W300 X D75mm	Plain	A12123BP	A12123GP
H12 X W12 X D4" /	K/O	A12124BK	A12124GK
H300 X W300 X D100mm	Plain	A12124BP	A12124GP
H12 X W12 X D6" /	K/O	A12126BK	A12126GK
H300 X W300 X D150mm	Plain	A12126BP	A12126GP

Cable Terminal - Connector Blocks

Heavy duty blocks for use at meter/main position

- Block urea phenolic
- Easy knockout entries
- Lids can be sealed for security

Standard	BS EN 60695-2-10
Voltage	230V AC



Size	Info	Height (mm)	Width (mm)	Depth (mm)	Product Code
Connector Block 100A 25mm2	Single Pole, 5 Way	64	47	38	ACB1
	Double Pole, 2 X 5 Way	89	65	55	ACB2
Connector Block 100A 35mm2	Single Pole, 5 Way	64	47	38	ACB3
	Double Pole, 2 X 5 Way	104	66	67	ACB6
200A 70mm2 Capacity 6 Cables	Single Pole, 6 Way	125	64	55	ACB9

All other Sizes are available on request



Cable Handling

Cable Drum Jack

Apple screw type cangle drum jack are manufactured from fabricated steel. They are fully approved. Test certificates are available on request
The Spindles, Supplied with the jacks, are manufactured from high quality steel bar. Locking collars are provided on request

Screw Jack set (2 Jack legs and 1 Spindle)

Capacity/pair (tonne)	Min.Drum Dia. (mm)	Max.Drum Dia. (mm)	Product Code
3	1060	1600	ACDJ-3
6	1360	1900	ACDJ-6

Replacement Spindles

Diameter (mm)	Length (mm)	Supplied with	Product Code
50	1800	ACDJ-3/ACDJ-6	ADS-6



Cable Roller

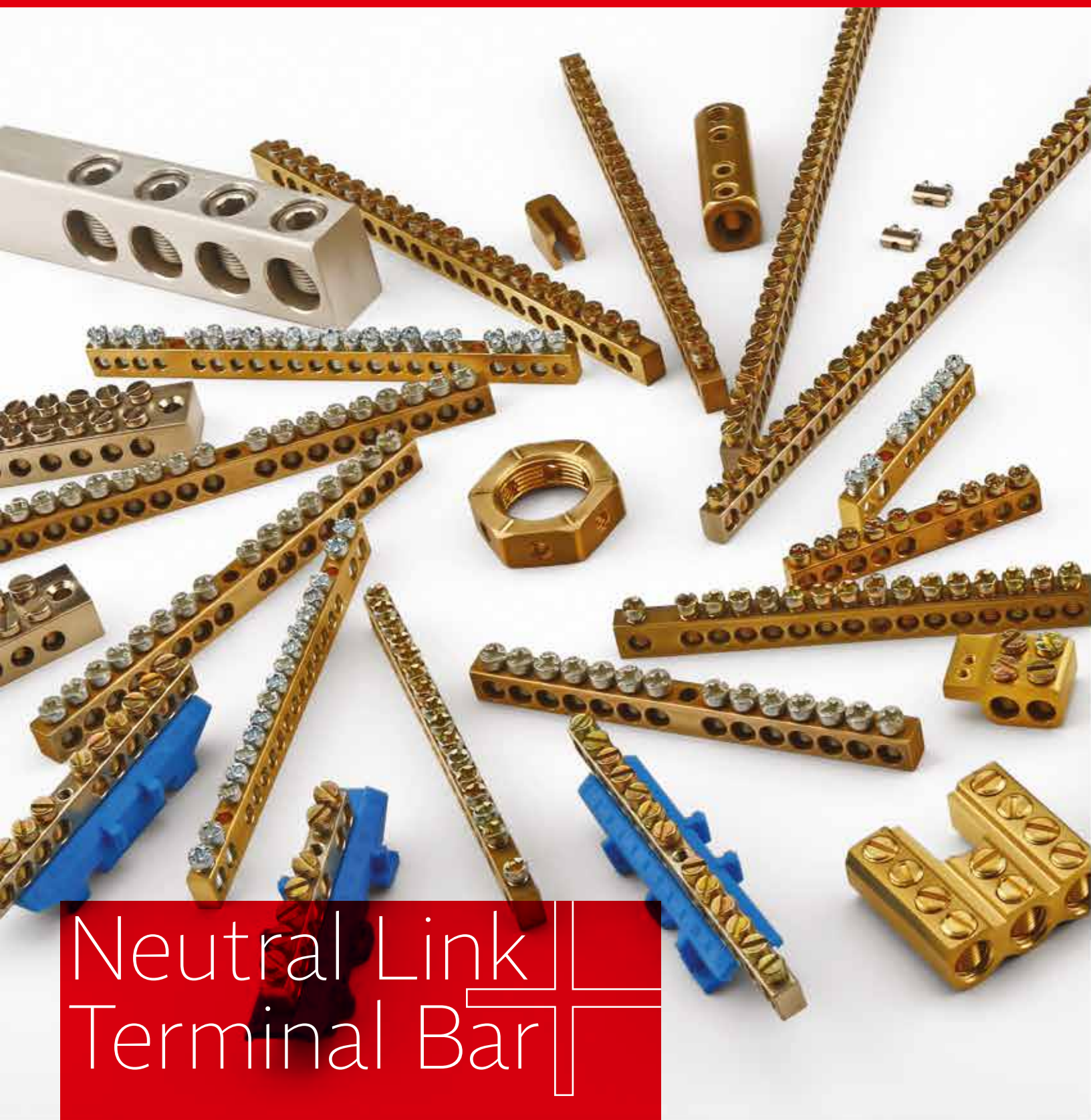
Ideal for handling cable, these steel zinc plated rollers are suitable for cable up to 125mm diameter

Base Size (mm)	Product Code
520 X 225	ACR 125



Cable Dispenser

Unit Dimensions Closed (mm)			Unit Dimensions Closed (mm)			Max. Carry Wt.(Kg)	Distance Between	Product Code
Width	Height	Length	Width	Height	Length			
40	380	760	340	340	760	50	610	ACDD1



Neutral Link Terminal Bar

Brass Neutral Links

Neutral links are used as an accessory in Panel Boards & Electrical Board in Industries like Electrical, Electronics and Telecommunications. It is a considered as a backbone in Building Circuit Protections such as MCB, Switchgears, Circuit breaker, RCD etc. Panel Board/Distribution Board comprising of copper bus bars, brass neutral links and earth links to facilitate effective distribution of current. It incorporates safety devices such as MCBs, ELCBs and Isolators, which serves to protect the installation. Brass Neutral Links are very crucial components in every application of its nature. It plays major role in isolation of electric equipment and clearing faulty downstream, by means of Switchgear and preventing short circuit and protecting electric circuit from damage caused by overload, in the form of Circuit breaker.

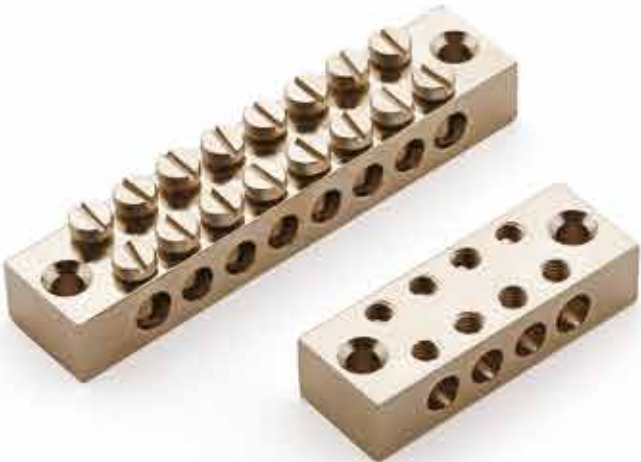
Technical Specification

Material	IS 319 or BS 249 or BS 2874: CZ 121 or any high graded brass as per custom specification.
Sizes	Any Sizes from 2 ways to 50 ways, 1 meter to 1.5meter or as per custom requirement can be available.
Types	Simple Neutral Bar, Earth Connector Bar, Earth Connector with Base as per custom design
Screw Details	Screws are available with Brass or Steel material - with simple Cheese slotted head to Philips Head, Philips combination head with simple roll thread or special lock thread facility.
Finish	Natural, Nickel, Tin or any coating as per custom specification. Terminal Blocks are all developed exclusively as per Custom design and specification.



Terminal Block

Terminal block facilitate multiple circuits from the same device running through one solitary source because of that it can be easily turned off and on.



Earthing accessories in brief

Earthing plays a vital role in all electrical systems. The correctly designed and installed earthing system will prevent equipment and manpower accident. The well installed Earthing condition should have :

- Low electrical resistance to earth
- Free from corrosion
- Efficient enough to handle high voltage repeatedly
- Long life up to 30 years

Selection of correct earth electrodes is very important. A soil resistivity survey indicates lower resistivity at greater depth. Often these levels are some meters below the surface. The most economical way to reaching that is by deep driven earth rod electrodes.

Earth Rod Electrodes

Earth rods are commonly made from Low Carbon steel of grade BS 970 or AISI 1018 with a high tensile strength of at least 600N/MM2. Low carbon steel core are molecularly bonded with 99.9% pure electrolytic copper.

Copper bonded Earth rod includes bellow accessories:

- Driving Stud
- Coupling
- Rod
- Clamps

Features

- Perfectly bonded rod will last longer, drive easier and will not crack
- Free from corrosion
- Roll threads with greater strength

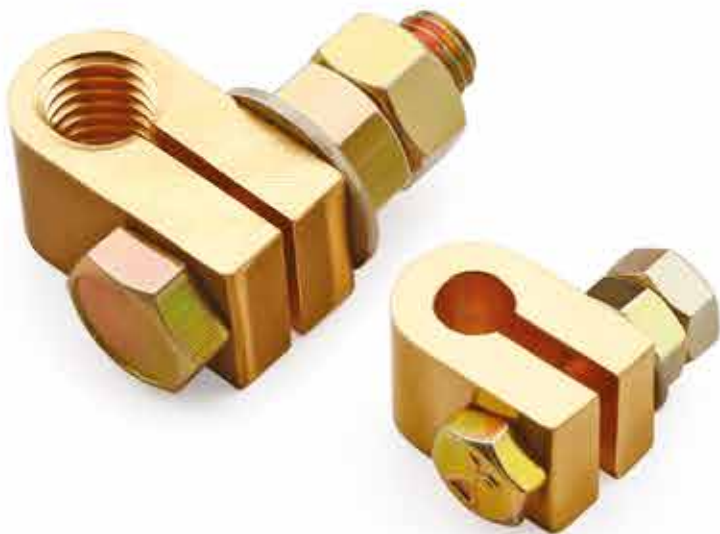
Threaded Rod can also be supplied without threading as on request.
All sizes are available.



Rod to Clamp – D Type

Use with threaded and unthreaded rods, suitable for connecting earth rod with cable lugs.

Rod Dia	Product Code
9.5	ARC-1
14	ARC-2
16	ARC-3
20	ADC-4



DC Tape Clip

DC Tape Clips are used with bare copper tape conductor to secure copper tape to the building or structure.

Material Gun Metal or Brass

Conductor Size	Product Code
20X3	ADTC20-3
25X3	ADTC25-3
25X6	ADTC25-6
31X3	ADTC31-3
31X6	ADTC31-6
38X3	ADTC38-3
38X6	ADTC38-6
40X4	ADTC40-4
40X6	ADTC40-6
50X3	ADTC50-3
50X6	ADTC50-6



Square Tap Clamp

Square Tap Clamps are used for forming straight through cross and tee joint in network of tapes. The lids are secured with four screw.

Material Gun Metal or Brass

Conductor Size	Product Code
25X3	ASTC25-3
25X4	ASTC25-4
25X6	ASTC25-6
40X3	ASTC40-3
50X6	ASTC50-6



Split Bolt Connectors

Apple Manufactures a wide range of Split bolt connectors with high tensile copper alloys as per BS 2874 – CZ112. It used for making connection in parallel between two solid circular conductors.

Finish Natural / Tinned / Copper

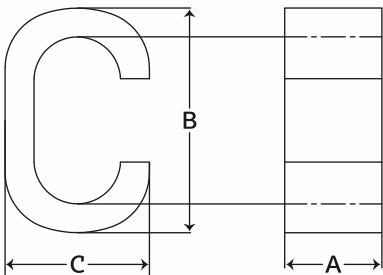
Size (mm2)	Product Code
6	ASBC6
9	ASBC9
10	ASBC10
12	ASBC12
16	ASBC16
25	ASBC25
35	ASBC35
50	ASBC50
70	ASBC70
95	ASBC95
120	ASBC120
150	ASBC150
185	ASBC185
200	ASBC200
240	ASBC240
250	ASBC250
300	ASBC300
400	ASBC400
500	ASBC500
800	ASBC800



Copper 'C' Type Connector

Material E Copper

Finish Electro Tinned

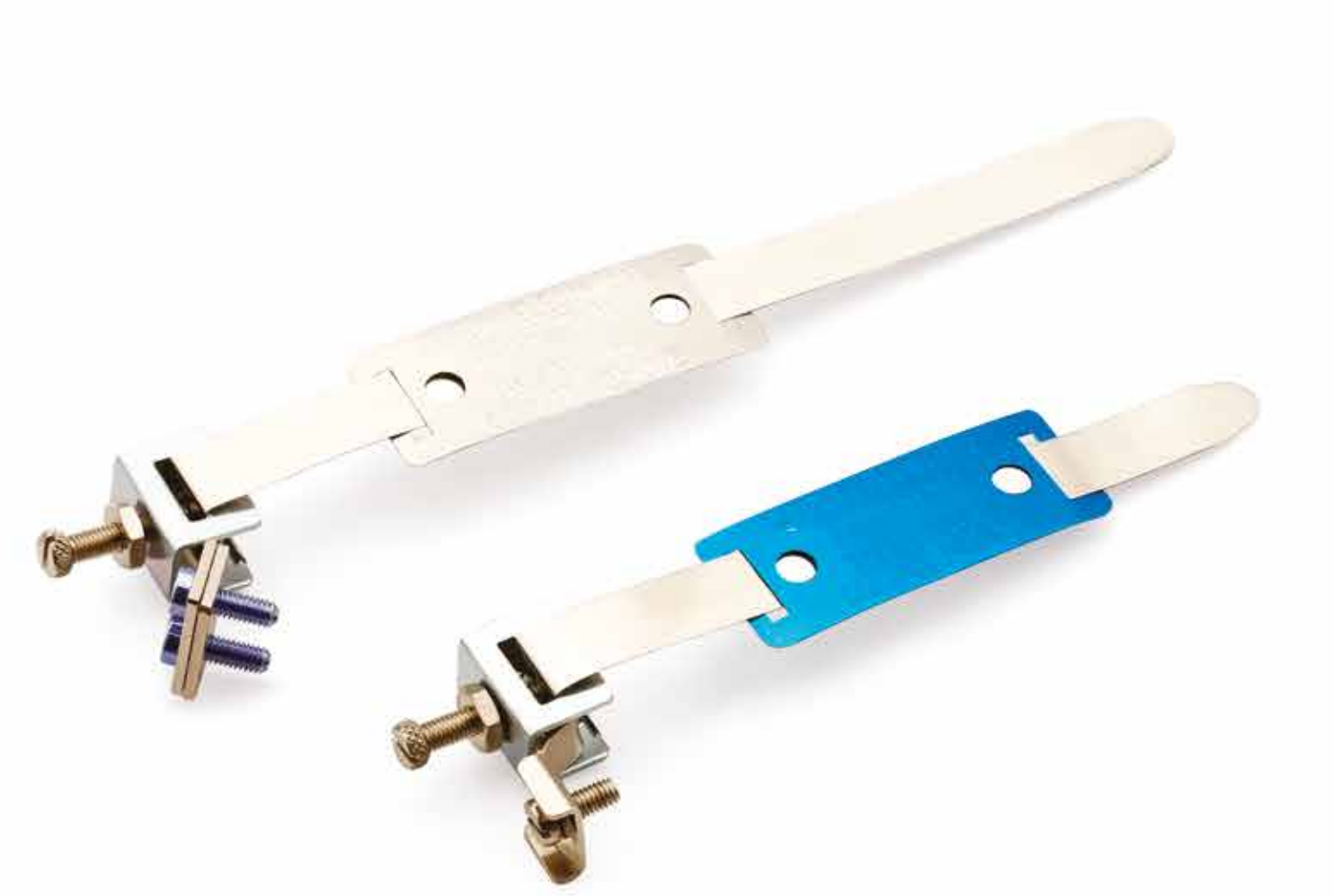


Cable mm2	A	B	C	Product Code
C6	9	9.8	6.4	HCC6-6
C10	12	12.6	8.4	HCC10-10
C16	17	19.4	12	HCC16-16
C25	17	21.4	13	HCC25-25
C35	21	26.6	15.6	HCC35-35
C50	26	38	21	HCC50-50

Cable mm2	A	B	C	Product Code
C70	28	34	21	HCC70-70
C95	29	41	26	HCC95-95
C120	30	45	28	HCC120-120
C150	30	48	28	HCC150-150
C185	32	52	32	HCC185-185
C240	32	55	38	HCC240-240

Earthing Clamp

Safety Clamps
 Manufactured to BS951
 Embossed tags "Safety electrical connection do not remove"



Pipe Dia	Tag Color	Features	Product Code
12-32mm	Red	Red color suitable for clean dry atmospheric condition	AET14
32-50mm	Red	Red color suitable for clean dry atmospheric condition	AET14/2
50-75mm	Red	Red color suitable for clean dry atmospheric condition	AET14/3
12-32mm	Blue	Blue color suitable for all anvironment	AET15
32-50mm	Blue	Blue color suitable for all anvironment	AET15/2
50-75mm	Blue	Blue color suitable for all anvironment	AET15/3
12-32mm	Green	Green color suitable for corrosive,humid condition	AET16
32-50mm	Green	Green color suitable for corrosive,humid condition	AET16/2
50-75mm	Green	Green color suitable for corrosive,humid condition	AET16/3

Large bands are also available to special order
 To Increase the size of conductor usable with AET 16 Earth clamp, use one of the Apple range of cable socket
 All Earth Clamps are anodised Aluminium labels indication terminal size.

Brass Conduit Fittings

We manufacture the range of fittings suitable for pliable conduits.
The Range of C12 and C18 Pliable fittings Suitable for use with PSBF, PST, PHH and PHT conduits.
The range of adaptor and sleeves for galvanised and metal conduits. i.e., All types of Fixed and swivel Glands

Brass Adaptor with Sleeve

Material	Brass
Finish	Nickel Plated / Natural



Conduit Size (mm)	Product Code
12	ABA12
16	ABA16
20	ABA20
25	ABA25
32	ABA32
40	ABA40
50	ABA50



Iron and Steel Conduit Fittings

Material	Mild Steel
Finish	Galvanised



Size	Product Code
M20	ASDC120
M25	ASDC125

Saddle

Material	Steel Sheet
Finish	Galvanised
Application	For securing conduit pipe to wall



Size	Product Code
M20	ASS-20
M25	ASS-25
M32	ASS-32
M40	ASS-40
M50	ASS-50

Space Bar Saddle

Material	Steel Sheet, MS Screw
Finish	Galvanised
Application	For securing conduit pipe to wall with base



Size	Product Code
M20	ASBS-20
M25	ASBS-25
M32	ASBS-32
M40	ASBS-40
M50	ASBS-5

Half Saddle

Material	Steel Sheet
Finish	Galvanised



Size	Product Code
M20	AHS-20
M25	AHS-25
M32	AHS-32
M40	AHS-40
M50	AHS-50

Elbows - Normal Bend

Material	Cast Iron
Finish	Galvanised



Size	Product Code
M20	ASB-20
M25	ASB-25
M32	ASB-32
M40	ASB-40
M50	ASB-50

Nipple

Material	Steel
Finish	Galvanised



Size	Product Code
M20	ASN-20
M25	ASN-25
M32	ASN-32
M40	ASN-40
M50	ASN-50

Crampets

Material	Cast Iron
Finish	Galvanised



Size	Product Code
M20	ACT-20
M25	ACT-25
M32	ACT-32
M40	ACT-40
M50	ACT-50

Reducer

Material	Mild Steel
Finish	Galvanised



Size	Product Code
M20XM16	ASR-2016
M25XM16	ASR-2516
M25XM20	ASR-2520
M32XM16	ASR-3216
M32XM20	ASR-3220
M32XM25	ASR-3225



Lock Ring

Material	Steel
Finish	Galvanised



Size	Product Code
16mm	ALR-16
20mm	ALR-20
25mm	ALR-25
32mm	ALR-32
40mm	ALR-40
50mm	ALR-50

Stop End Plug

Material	Mild Steel
Finish	Galvanised



Size	Product Code
M16	ASEP-16
M20	ASEP-20
M25	ASEP-25
M32	ASEP-32

Hexagone Lock Nut

Material	Mild Steel
Finish	Galvanised



Size	Product Code
M20	AHLN-20
M25	AHLN-25
M32	AHLN-32
M40	AHLN-40
M50	AHLN-50

Looping Box

Standard	BS 4568
Material	Cast Iron
Finish	Galvanised



Size	Hole	Product Code
Plain	No Outlets	ALB-0
M20	1 Hole	ALB-1
M20	2 Hole	ALB-2
M20	3 Hole	ALB-3
M20	4 Hole	ALB-4

Brass Bush

Material	Brass BS2874
Finish	Natural



Brass Male Bush		
Size	Product Code	Product Code
	Small	Long
20	ASMB-20	ALMB-20
25	ASMB-25	ALMB-25
32	ASMB-32	ALMB-32
1.5"	ASMB-1.5"	ALMB-1.5"
2"	ASMB-2"	ALMB-2"

Brass Female Bush	
Size	Product Code
20	ABFB-20
25	ABFB-25
32	ABFB-32
1.5"	ABFB-1.5"
2"	ABFB-2"

Decorative parts / Lamp Parts

Apple Manufacture a wide range of decorative parts

Brass Balls Full Ball, Half Balls etc.

Finials

Slip rings

Neck rings

Check rings

Spindles

All Types of Knob



Brass Fittings

Apple manufacture a whole range of fitting parts.

Plumbing

Pneumatics

Pipe and Tube Fittings

Compression Fittings

Garden Hose Fittings



Inserts





A collection of various brass and copper fittings, including elbows, tees, and valves, arranged on a white background. The fittings are of different sizes and shapes, some with threaded ends and others with flared or smooth ends. They are scattered across the frame, showing a variety of industrial components.

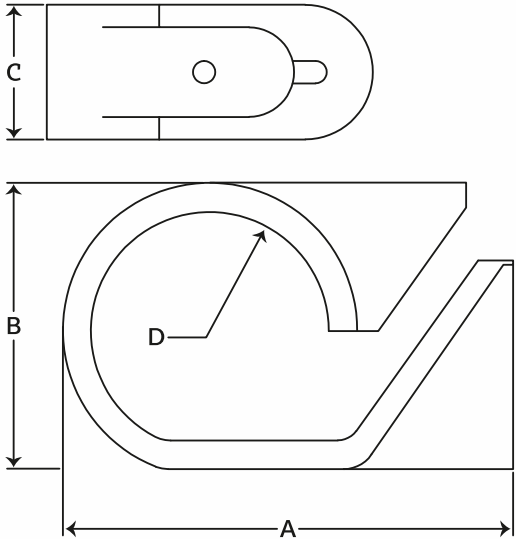
Tele Cable Cleat Single Way

Single fixing cable cleat to fix power cables in indoor and outdoor applications.

Designed to assure cable retention and support, without causing damage or deformationa to the cable
Excellent resistance to ultraviolet and weather
Single piece design
The curvature of the cleats mounting surface is appropriate for cable diameters 10mm to 51mm

Technical Specification

Standard	BS EN 50368
Cable Type	Designed for all types of cables
Material	Low density polyethylene (LDPE) or Low smoke zero halogen polymer
Operating Temperature	-40°C + 60°C



Cable Cleat Selection Table

Cable Diameter		Cleat Details		A	C	Product Code
D		B				
Min	Max	Min	Max			
10.5	14.5	15	18	32	12	TCC01A
12.2	16.7	17	22	36	14	TCC02A
14.6	19.8	21	26	43	16	TCC03A
17.7	24	25	31	51	18	TCC04A
21.7	28.5	30	37	57	20	TCC05A
26.2	34.2	35	43	65	22	TCC06A
31.9	41.6	42	52	78	25	TCC07A
39.3	51.1	50	62	91	26	TCC08A

Dimensions are displayed in milimeters unless and otherwise stated

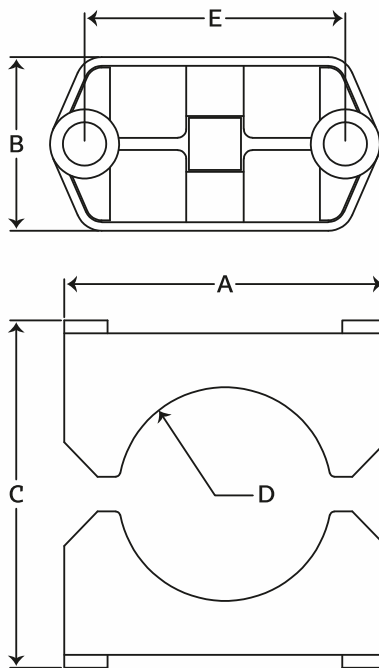
Two Bolt Cable Cleat

Two Bolt cable cleat is a non-metallic cable cleat which has been designed, constructed, and tested in accordance with the International Standard ‘cable cleats for Electrical Installations’ and for use with all types of LV / LV LSOH cables

Designed to assure cable retention and support, without causing damage or deformationa to the cable
 Excellent resistance to ultraviolet and weather
 Two bolt, two piece design
 Appropriate for cable diameters ranging from 50mm to 94mm.

Technical Specification

Standard	BS EN 50368
Cable Type	Designed for all types of cables
Material	High density polypropylene or Low smoke zero halogen polymer
Operating Temperature	-40°C + 60°C



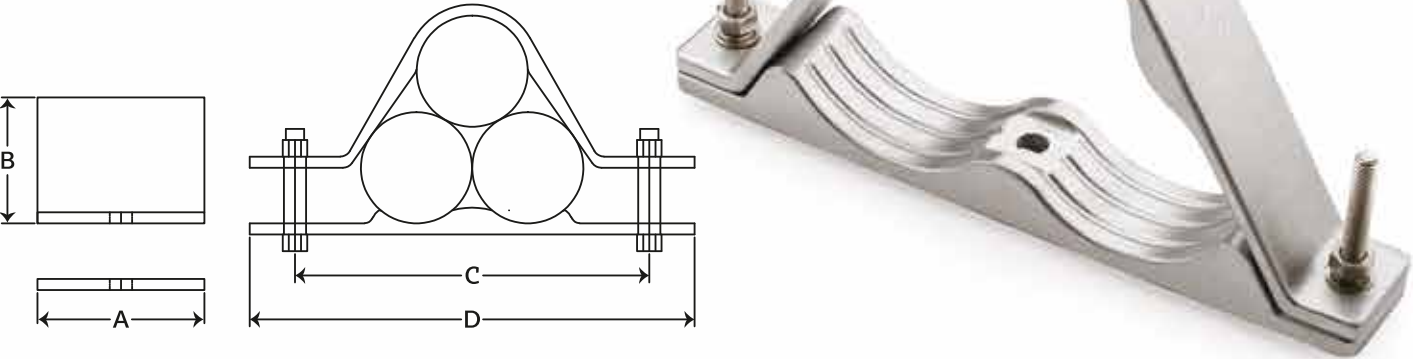
Cable Cleat Selection Table

Cable Diameter		C	A	B	E	Product Code
D						
Min	Max					
50	58	89	102	45	80	TB01A
56	64	93	102	45	80	TB02A
62	70	98	114	45	92	TB03A
68	76	104	114	50	92	TB04A
74	82	110	126	50	104	TB05A
80	88	118	126	50	104	TB06A
86	94	121	136	60	104	TB07A

Dimensions are displayed in milimeters unless and otherwise stated

Aluminium Cable Cleat Trefoil Type ATFC (SP)

Suitable for use with LV, MV and HV cables
Few range accommodates wide range of cable dia
Operating Temperature , -60°C + 100°C



Cable Cleat Selection Table

Cable Diameter		Cleat Details				Product Code
Min	Max	A	B	C	D	
15	30	30	45	108	80	ATFCSP 15-30A
30	45	30	66	151	120	ATFCSP 30-45A
45	60	40	85	184	151	ATFCSP 45-60A
60	75	40	114	226	193	ATFCSP 60-75A
75	90	40	142	267	235	ATFCSP 75-90A
90	107	50	171	319	282	ATFCSP 90-107A
107	129	57	203	390	352	ATFCSP 107-129A
129	155	57	244	455	397	ATFCSP 129-155

Dimensions are displayed in millimeters unless and otherwise stated

Aluminium Cable Cleat Single Fixing / Two Bolt Fixing Trefoil Type ATFC

Suitable for use with cables of diameter ranging from 24mm to 76mm. Single Fixing and two bolt fixing both are available on request.



Aluminium Cable Cleats Industrial

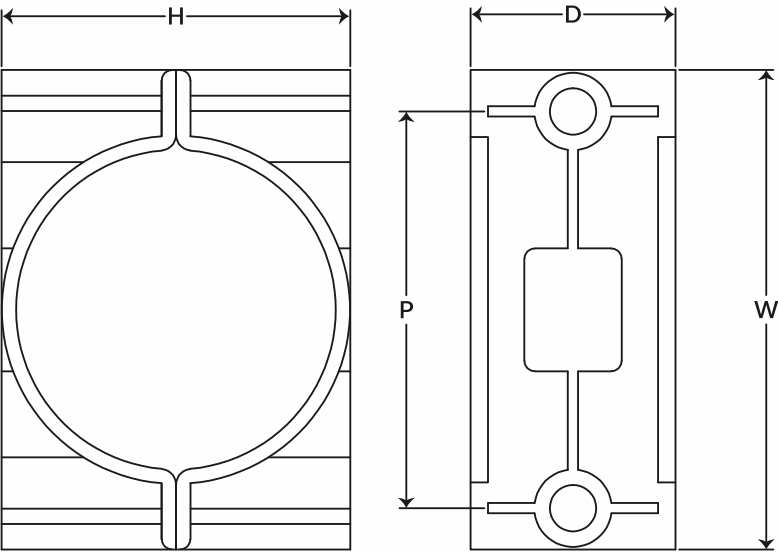
Suitable for use with cables from diameter 51mm to 114mm

Two piece two fixing design

can be double stacked on common fixing

Plain finish for indoor dry normal industrial use or outdoor unpolluted areas. Epoxy coated for more hostile conditions

Operating Temperature, -60°C + 100°C



Cable Cleat Selection Table

Cable Diameter		Cleat Details					
Min	Max	W	H	D	P	Fixing Hole	Product Code
51	57	96	68	59	76	M10	ATC 51-57A
57	64	96	75	49	76	M10	ATC 57-64A
64	70	96	84	64	118	M10	ATC 64-70A
70	76	134	90	64	114	M10	ATC 70-76A
76	83	142	96	64	114	M12	ATC 76-83A
83	89	142	102	64	114	M12	ATC 83-89A
89	95	154	114	64	114	M12	ATC 89-95A
95	101	154	120	76	126	M12	ATC 95-101A
101	108	169	134	76	140	M12	ATC 101-108A
108	114	169	140	76	149	M12	ATC 108-114A

Dimensions are displayed in millimeters unless and otherwise stated

Shroud

PVC Gland Shroud

PVC Shroud added extra protection to Cable Gland.
All Cable Gland Kit includes shroud as an accessory.

Finish Black

Size (mm)	Product Code
20	PVC20A
25	PVC25A
32	PVC32A
40	PVC40A
50	PVC50A
63	PVC63A
75	PVC75A
90	PVC90A



LSF and LSOH - PVC Gland Shroud

LSF and LSOH Shroud used for low smoke fumes and low smoke 0 helogen environment

Finish Grey

Size (mm)	Product Code
20	LSOH20A
25	LSOH25A
32	LSOH32A
40	LSOH40A
50	LSOH50A
63	LSOH63A
75	LSOH75A
90	LSOH90A



Grommets



Description	Dimensions Ø	Product Code
Closed Grommet	16mm	ACG16
	20mm	ACG20
	25mm	ACG25
	32mm	ACG32
	38mm	ACG38
	50mm	ACG50
Open Grommet	16mm	AOG16
	20mm	AOG20
	25mm	AOG25
	32mm	AOG32
	38mm	AOG38
	50mm	AOG50
Super Quick Closed Grommet	16mm	ASQCG16
	20mm	ASQCG20
	25mm	ASQCG25
	32mm	ASQCG32
	38mm	ASQCG38
	50mm	ASQCG50
Super Quick Open Grommet	16mm	ASQOG16
	20mm	ASQOG20
	25mm	ASQOG25
	32mm	ASQOG32
	38mm	ASQOG38
	50mm	ASQOG50



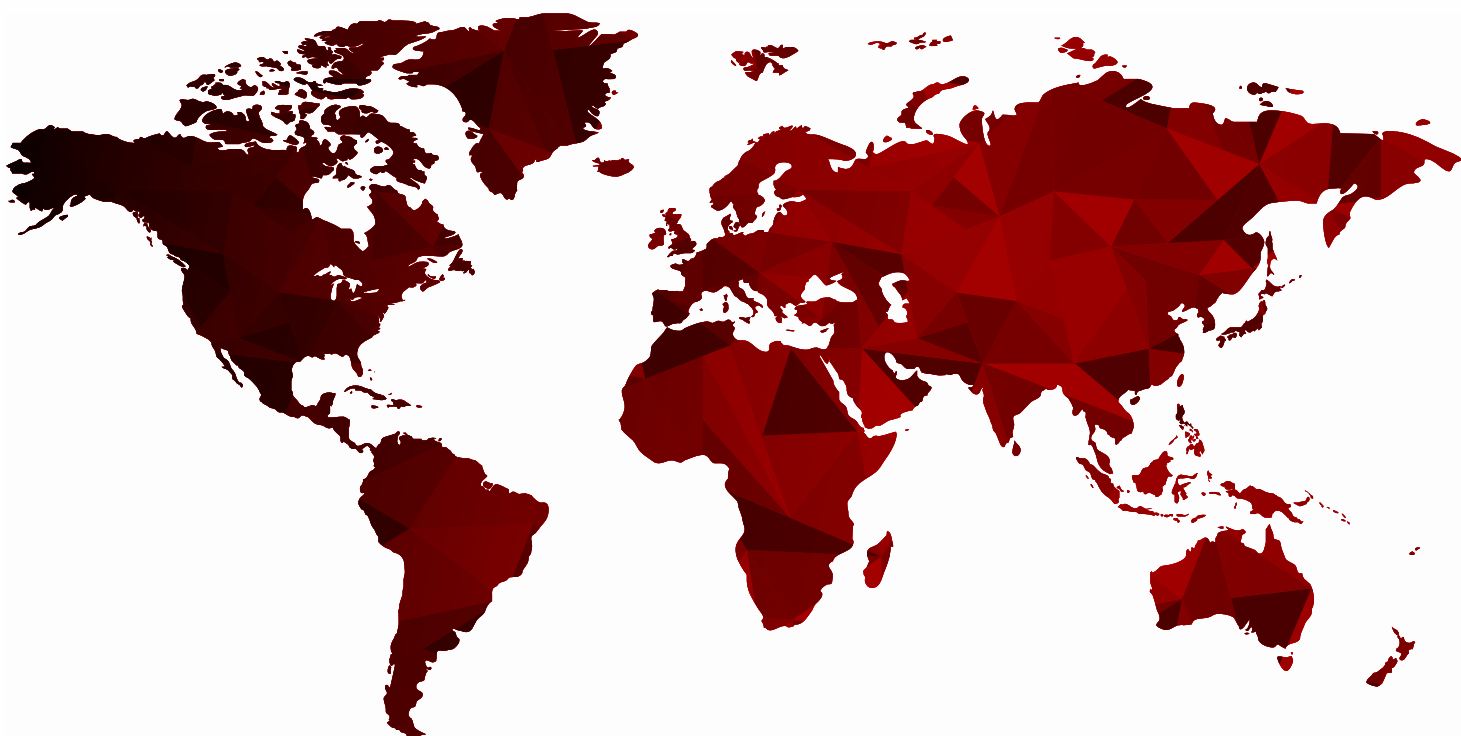
Apple Comments

- We work very closely with consultants
- We provide latest effective and economical solutions
- We constantly improve our product basket with continuous Research and development
- We provide environmental friendly products
- Highly skilled staff providing high quality and timely shipment

Exports

Our range of products has over the past years become synonymous with Brass and Copper Electrical Accessories in the International markets of the Middle East, South East Asia, Australia, U.K., U.S.A., South Africa, Europe etc. We have been successfully exporting to 74 countries the full range

We export Brass and Copper Electrical Accessories, Copper Bronze Bolted Lugs, Pre-Insulated Copper Terminal, Brass Copper Fittings Copper Cable Lugs Brass Pin Electrical Plugs, Brass Electronic Connector, Galvanized Conduit Fittings, Brass Electrical Accessories and Copper Accessories to Australia, Antigua and Barbuda, Argentina, Armenia, Austria, Azerbaijan, Bahamas, Bahrain, Barbados, Belarus, Belgium, Benin, Bhutan, Bolivia, Bosnia and Herzegovina, El Salvador, Botswana, Brazil, Brunei, Bulgaria, Burundi, Cambodia, Germany, Ghana, Greece, United Kingdom, United States, Yemen, Zambia, Zimbabwe, Grenada, Guatemala, Guyana, Honduras, Hungary, Iceland, India, Indonesia, Iran, Iraq, Mozambique, Myanmar, Namibia, Netherlands, New Zealand, Nicaragua, Nigeria, Norway, Oman, Paraguay, Peru, Philippines, Poland, Portugal, Qatar, Romania, Russia, Saudi Arabia, Senegal, Serbia and Montenegro, Singapore, Slovakia, Slovenia, South Africa, Ireland, Israel, Italy, Latvia, Lebanon, Libya, Lithuania, Luxembourg, Macedonia.





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