SECTION - 1

DISTRIBUTION FITTINGS

ALUMINIUM LINE TAP - UNEQUAL GROOVES
TYPES - AL & ALD

A universal aluminium line tap designed to connect the smaller aluminium service wires to a wide range of aluminium distribution conductors by using unequal sized grooves. The unique interlocking design prevents mismatching. Components are precision cast in primary grade aluminium alloy. Bolts, nuts and spring washers are stainless steel. All fittings are supplied pre-filled with JOINTSEAL electrical jointing compound.

Type AL is a single bolt line tap. Type ALD is a double bolt line tap.

Both types can be supplied with Galvanised Steel hardware if required.
When required electro-tin plated add 'T' to Cat. No. For example AL58-T.

Type AL

Type ALD
(Shown Plated)

Cat. No.	Conductor Range				Overall Length (mm)
	Run		Tap		
	Stranding	Overall Dia.	Stranding	Overall Dia.	
AL58	7/3.00 to 7/4.50	9.00 to 13.5	7/1.04 to 19/1.78	3.12 To 8.90	35
AL75	7/4.50 to 19/3.75	13.5 to 18.8	7/1.75 to 19/2.14	5.25 to 10.70	44
AL25	19/4.75 to 37/3.75	23.8 to 26.3	7/3.75 to 7/4.75	11.30 to 14.30	41
ALD1018	7/3.75 to 19/3.50	11.25 to 17.50	7/2.00 to 7/3.75	6.0 to 11.25	75

ALUMINIUM LINE CLAMPS - TYPES AL & ALD

A universal line clamp for equal and unequal combinations of Aluminium and ACSR conductors. Castings are in high strength Aluminium alloy. All clamps supplied pre-filled with joint compound. All clamps feature an interlocking design with freely movable clamping screws with the exception of the ALD 75 which has a continuous profile and fixed screws Unless specified otherwise clamps will be supplied with the following hardware ...
Stainless Steel hardware for AL43, ALD58, ALD75 and ALD919.
Galvanised Steel hardware for ALD1221 and ALD1634.

When required electro-tin plated add "T" to Cat. No. For example ALD 58- T.

AL43

ALD58

ALD75

ALD919

ALD 1221
ALD 1634

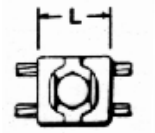


Fig 1.

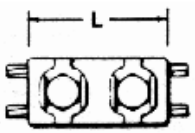


Fig 2.

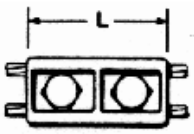


Fig 3.

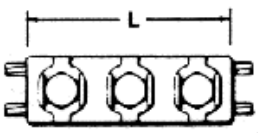
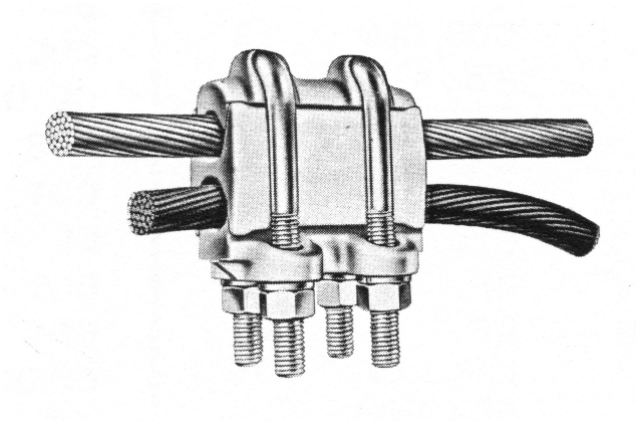


Fig 4.

Cat. No.	Conductor Range				Fig.	No. Of Bolts	L mm	Wt. Each Kg
	Run		Tap					
	Stranding	Diameter	Stranding	Diameter				
AL43	7 / 1.70 to 7 / 3.75	5.10 to 11.3	7 / 1.70 to 7 / 3.75	5.10 to 11.3	1	1	35	0.09
ALD58	7 / 1.75 to 7 / 4.50	5.25 to 13.5	7 / 1.75 to 7 / 4.50	5.25 to 13.5	2	2	70	0.190
ALD75	7 / 2.5 to 19 / 3.75	7.5 to 19.0	7 / 2.5 to 19 / 3.75	7.5 to 19.0	3	2	95	0.330
ALD919	7 / 3.00 to 19 / 3.75	9.0 to 19.0	7 / 3.00 to 19 / 3.75	9.0 to 19.0	2	2	95	0.450
ALD1221	7 / 3.75 to 37 / 3.00	11.3 to 21.0	7 / 3.75 to 37 / 3.00	11.3 to 21.0	4	3	112	0.650
ALD1634	19 / 3.25 to 61 / 3.75	16.3 to 33.8	19 / 3.25 to 61 / 3.75	16.3 to 33.8	4	3	190	1.78

ALUMINIUM PARALLEL CLAMP- TYPE APC

A heavy duty aluminium clamp for combinations of aluminium and A.C.S.R. Conductors.
The massive design and generous centre spacer provide maximum overload protection.
Tapered bell mouths and vee grooves combine to minimise cold flow, eliminate conductor chafing and produce a wiping action with the clamped conductors.
Clamp components are cast in high strength aluminium alloy.
U- bolts, nuts and spring washers are stainless steel.



Cat. No.	Conductor Range			
	Run		Tap	
	Stranding	Overall Dia.	Stranding	Overall Dia.
APC 58	7/2.25 to 7/4.50	6.75 to 13.5	7/2.25 to 7/4.50	6.75 to 13.5
APC112	19/3.75 to 54/3.50 + 7/3.5	18.8 to 31.5	7/3.75 to 37/ 3.00	11.3 to 21.0
APC1122	19/3.75 to 54/ 3.50 + 7/3.5	18.8 to 31.5	19/3.75 to 54/3.5 0+ 7/3.5	18.8 to 31.5

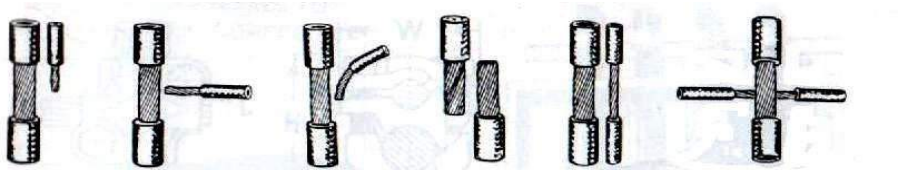
BOLTED CONNECTORS FOR COPPER CABLES
VERSACLAMP - TYPE RV

A highly versatile three piece connector providing parallel, tee or cross connections over a wide cable range. Equally suitable for outdoor or rising mains connections due to the compact design. Castings are in high strength copper alloy. Hardware is stainless steel. When required Electro-Tin Plated add 'P' to Cat. No, for example RV4-P.

Fig. 2

Cat. No.	Fig	Cable Range							
		Main				Tap			
		Area sq mm		O.D mm		Area sq mm		O.D mm	
		Min	Max	Min	Max	Min	Max	Min	Max
RV3	**1**	50	95	8.90	12.60	50	95	8.90	12.60
RV4	**1**	120	240	14.21	20.25	16	35	5.10	7.65
RV5	**1**	120	300	14.21	22.68	35	95	7.65	12.6
RV6	**2**	120	240	14.21	20.25	120	240	14.21	20.25
RV8	**1**	300	800	22.68	37.05	35	95	7.65	12.6
RV9	**2**	240	500	20.25	28.80	120	240	14.21	20.25
RV10	**2**	240	500	20.25	28.80	240	500	20.25	28.80

TYPICAL CONNECTIONS >



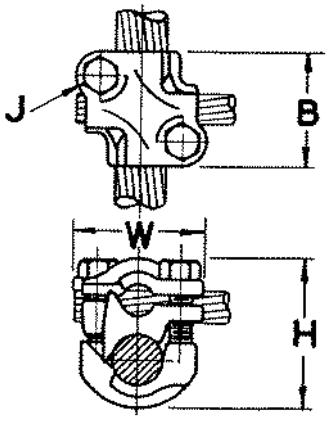


Fig.1

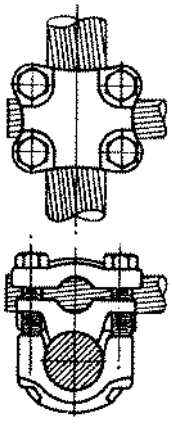


Fig.2

Cat. No.	Fig	Dimensions (mm)				
		B	H	J	W	Mass (kg)
RV3	1	46	58	10	48	0.42
RV4	1	38	58	8	50	0.43
RV5	1	45	58	10	48	0.63
RV6	2	54	70	10	57	0.90
RV8	1	49	77	10	65	0.85
RV9	2	52	78	10	62	1.025
RV10	2	64	90	10	64	1.50

BOLTED CONNECTORS FOR COPPER CABLES
TYPE PG - SINGLE BOLT CONNECTOR
TYPE CPG - TWO BOLT CONNECTOR

These parallel groove connectors are suitable for either tap or parallel connections. Castings are high -strength copper alloy. Stainless steel bolts are captured for single spanner installation.

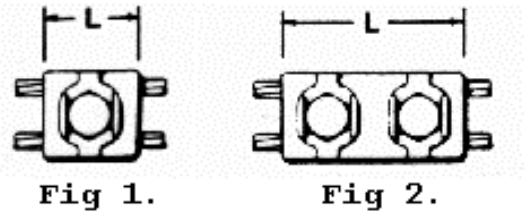


Fig 1. Fig 2.

Cat. No.	Conductor Range		L mm	Bolt Size	Fig.	Mass (kg)
	Area Sq mm	Overall Dia. (mm)				
CPG2595	25 to 95	6.42 to 12.60	60	M10	2	.350
PG2595	25 to 95	6.42 to 12.60	30	M10	1	.180
CPG70150	70 to150	10.70 to 15.75	70	M12	2	.940
PG70150	70 to150	10.70 to 15.75	50	M12	1	.635
CPG120240	120 to 240	14.21 to 20.25	72	M12	2	1.18
PG120240	120 to 240	14.21 to 20.25	55	M12	1	.72

BOLTED CONNECTORS FOR COPPER CABLES TYPES - CBC & CBC-X

TYPE CBC

Compact, two piece, heavy-duty bonding clamps accept a wide range of copper conductors for either parallel or tap connections. Castings are in high strength copper alloy. Stainless steel bolts are captured to allow single spanner fitting. Neoprene washers capture the bolts aiding installation.
The compact design makes these connectors equally suitable for outdoor as well as rising mains applications .

TYPE CBC

Cat. No.	Cable Range				Mass Each kg
	Run		Tap		
	Area mm²	Overall Dia.	Area mm²	Overall Dia.	
CBC3	70 to 95	10.70 to 12.60	4 to 95	2.5 to 12.60	0.23
CBC4	120 to 150	14.21 to 15.75	16 to 150	5.10 to 15.75	0.43
CBC 5	185 to 240	17.64 to 20.25	16 to 240	5.10 to 20.25	.44

TYPE CBC - X

A three- piece bonding clamp. The central spacer separates the run and tap cable providing high contact pressure and confining the cable strands. Castings are high strength copper alloy. Hardware is stainless steel.
Equally suitable for outdoor or rising mains applications due to the compact design.

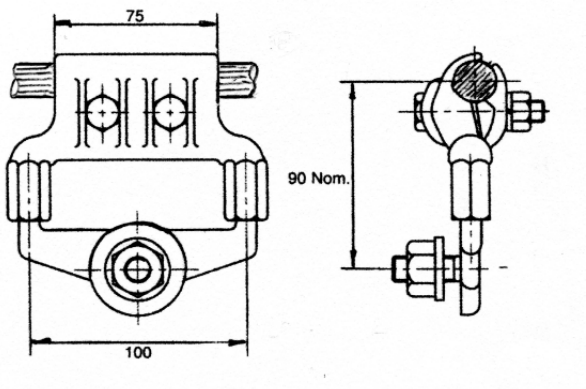
TYPE CBC-X

Cat No.	Cable Range				Mass (kg)
	Run		Tap		
	Area mm²	Overall Dia.	Area mm²	Overall Dia.	
CBC3-X	25 to 95	6.42 to 12.60	16 to 95	5.1 to 12.60	0.27

DISCONNECT TEE CLAMP TYPE - ASCD 5

Type ASCD Tee Clamps are used for connecting cables to overhead conductors. They are generally used in conjunction with a slotted cable lug thereby providing an easier means of isolation. The main clamp body is cast in aluminium alloy which is then swaged onto the tinned bronze adaptor plate. The adaptor plate has an integral M12 or M16 stud and washer nut capable of accommodating slotted lugs with M12 or M16 clearance slots up to a thickness of 16 mm. Hardware is stainless steel. Clamps are supplied already filled with jointing compound.

OVERHEAD CONDUCTOR RANGE 7/2.25 - 19/3.75 (6.75 - 18.8 mm. O.D.)



Cat number: ASCD5 - M12 has M12 stud and nut.
ASCD5 - M16 has M16 stud and nut.

DISCONNECT TEE CLAMPS
TYPE ADT (ALUMINIUM)
TYPE CDT (COPPER)

Disconnect Tee Clamps are used for joining cables to overhead conductors within the range 7mm to 24mm diameter. Palm section is 40mm x 40mm x 12mm thick ,with one centrally placed hole to suit cable lugs with M12 bolt fixing.
Can be supplied tin plated. For tin plating add “T” to Cat. No. For example ADT 19-T.

Cat. No.	Conductor Range O.D.mm		L
	Min.	Max.	
ADT19	6.7	19.0	75
ADT24	9.0	24.0	86
CDT19	6.7	19.0	75
CDT24	9.0	24.0	86

SERVICE CONNECTORS

ALUMINIUM STIRRUP CLAMP TYPE - ASC

The following service connectors provide a means of connecting copper service cables to aluminium bare conductors. The copper to aluminium connection being made under controlled conditions in the factory. Connection of the service cable is by a B24 split bolt clamp. Two types of stirrup are available including stranded or solid tinned copper.

ASC 4

Cat. No.	No. of Bolts	Copper Stirrup	Conductor Range		Weight Each
			Strand-ing	Overall Dia.	
ASC4	1	8 mm. stranded.	7/2.25 To 19/3.75	6.75 To 18.8	0.27
ASC5	2	8 mm. Stranded.			0.34
ASC4- 8.25T	1	8.25 mm. Solid.			0.28
ASC5- 8.25T	2	8.25 mm. Solid.			0.35

ASC5-8.25T

SERVICE TEE CONNECTOR TYPE - AST

Service tee connectors are formed into a 'U' shape and clamped to aluminium mains. Copper service cable is attached using standard B24 split bolt clamp.

AST 9

Cat. No.	Run Conductor Range	Copper Conductor Stranding and exposed Length	Mating Line Tap	Wt Each kg
AST9	7/2.25 to 19/3.75	7/2.75 225mm exposed	B24	0.34

SPLIT BOLT SERVICE CLAMPS
TYPES ASC- 1 & ASC- 2

B22 extended split bolt clamps are swaged into primary grade aluminium castings to provide a means of connecting copper service cables to bare aluminium conductors. Stainless bolts have sufficient length to enable connection without dismantling clamp. Clamps are supplied prefilled with Jointseal jointing compound and plastic bagged.

ASC-1

ASC-2

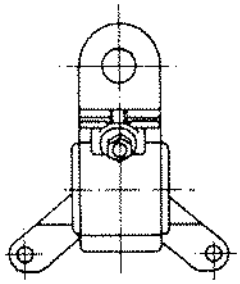
Cat. No.	Run Conductor Range		Wt. Each kg	Service Conductor Range
	Stranding	Overall Dia.		
ASC1	7/2.25 To 19/3.75	6.75 To 18.8	0.20	Max. three 7/1.70 (16mm²) Cables
ASC2			0.27	

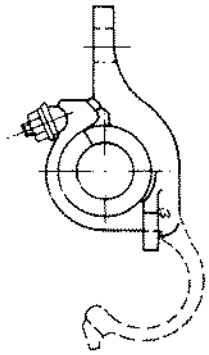
LOW VOLTAGE ABC SUSPENSION CLAMP TYPE - SCLV

This Suspension Clamp is a light weight device designed to suppport/suspend aerial bundled cables from pole hooks without damage. With the assistance of the re-useable cable stringing tool, the system makes for easier installation of conductors.
Normally supplied with a weak cut to allow eye to break away from the body if load exceeds 6.5kn.

Features - Rounded eye edges
- Hinged jaw for ease of installation
- Stainless steel hinge pin
- Extra long retaining screw enabling seat and nut to remain captive during installation.

CLAMP CONSTRUCTION: High strength Aluminium alloy.
CENTRE DISTANCE EYE TO BUSH: 75mm
WIDTH OF CLAMP OVER EARS: 140mm
HINGE PIN : 4.75mm stainless steel
BUSHING CONSTRUCTION: Non Conductive Neoprene.
BUSHING LENGTH: 58mm
MASS OF COMPLETE ASSEMBLY: (4x95mm2 bush): 0.502 kg
FAILING LOAD: 6.5kN
POLE HOOK BOLT DIA: 20mm
RETAINMENT: M10 Stainless Steel Set Screw, 75mm long, with nut and lock washer.
CONDUCTORS: 4/95mm2, 2/95mm2, 4/50mm2 ABC
VARIATION: Clamp complete can be supplied minus weak cut if required.





SUSPENSION CLAMP
ILLUSTRATED OPPOSITE

Cat Number	LV ABC Conductor	Weak Cut	Mass (kg)
SCLV-295	2/95 or 4/50 mm²	YES	
SCLV-495	4/95 mm²	YES	
SCLV-4150	4/150 mm²	YES	
SCLV-295-NC	2/95 or 4/50 mm²	NO	
SCLV-495-NC	4/95 mm²	NO	
SCLV-4150-NC	4/150 mm²	NO	

NOTE: Refer next pages for details of the re-usable Roller Bracket and assembly tool.

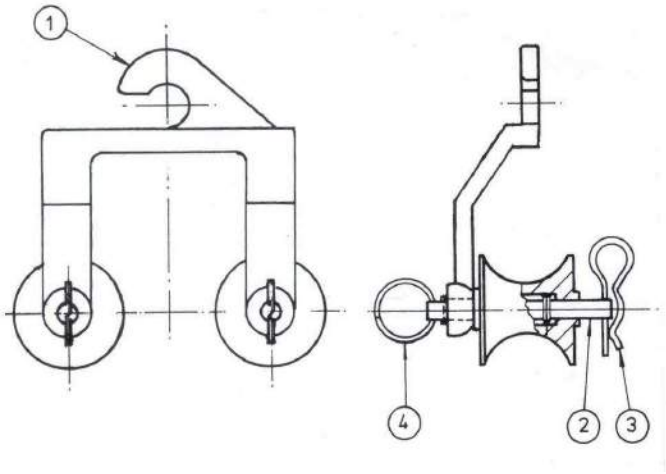
LOW VOLTAGE ABC SUSPENSION CLAMP
RE- USABLE ROLLER BRACKET TYPE - RA

Illustrated below is Catalogue Number **RA95-50** roller bracket which is designed to assist with the installation of Low Voltage Aerial Bundled Cables in conjunction with Suspension Clamp type **SCLV** when suspended from pole hooks.

CONSTRUCTION.

BODY. High strength aluminium alloy.
ROLLERS. Acetal, colour black.
SHAFTS. Stainless steel.
BUSHINGS. Molybdenum disulphide filled nylon

Cat. No. RA95-50



OPERATION

1 - Remove ‘R’ clips (3)
2 - Hang tool (1) on pole hook and engage roller shafts (2) in the clamp.
3 - Install ‘R’ clips.
4 - Open clamp and store rubber bush.
5 - String and tension cable.
6 - Open rubber bush and position around cable.
7 - Close clamp jaw and tighten bolt.
8 - Remove ‘R’ clips.
9 - Pull rings (4) to retract shafts from clamp.
10 - Lift tool clear from clamp and remove from pole hook.
11 - Replace ‘R’ clips.

NOTE: Refer next page for details of assembly tool type SCCT

SUSPENSION CLAMP CLOSING TOOL
CAT. NO. SCCT -1

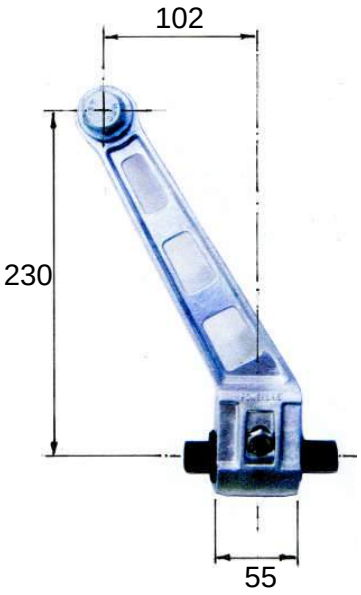
This light weight closing tool has been designed to hook around the suspension clamp hinge pin of the type SCLV suspension clamp to provide the necessary leverage for easy closure.
It is constructed of heat-treated high strength aluminium alloy and fitted with a soft feel rubber hand grip.
Total weight is 280 grams

An optional stainless steel unit can be supplied where required. Weight 700 grams.

Cat. No. SCCT-1 closing tool shown in position with an SCLV type suspension clamp.

30 ° OFFSET SUSPENSION CLAMP - TYPE DSC 1626

Designed for offset suspension of aerial bundled conductor cables within the overall diameter range of 16 - 26 mm. Main body section is precision cast in high strength aluminium alloy. Supplied complete with M16 x 70 hexagon galvanized steel bolt ,nut ,spring and flat washer . Suitable for attachment to standard link and yoke plates. Bushings are non -conductive neoprene.



LIVE LINE STIRRUP CLAMP — TYPE ALC1

Type ALC1 Stirrup Clamp has been designed for live line connection of services. Wide Jaws make these Stirrup Clamps well suited for ACSR as well as All Aluminium Conductors. They are easily installed with standard “Shotgun” sticks or with Powerline tool LDT1016 and operating stick with a “sunrise ”fitting.
These clamps are available with either bayonet or ring end spindles. Both types feature stainless steel M12 spindles with stainless threaded inserts moulded into the high strength aluminium alloy clamp body thereby preventing thread binding.
Main conductor Range 4 - 19mm. Diameter AAC, ACSR, AAAC and SC/GZ.

Additional Details : Stirrup - 6.3 mm. dia. solid copper rod or 7/2.75 stranded copper.
M12 bayonet spindle is fitted with 6mm. dia.x 50 mm. Cross pin.
Dimensions : Stirrup width 66 mm. Inside.
Jaw width 68 mm.
Jaw centre to stirrup dimension 150 mm. Nominal.
Current Rating : 275 Amps.

Electo-plating : Clamp castings can be supplied tin plated 75 micron thickness when Required. For this variation add P 75 to cat. No. Please Note, for this variation the copper stirrup is plated before compressing into clamp.

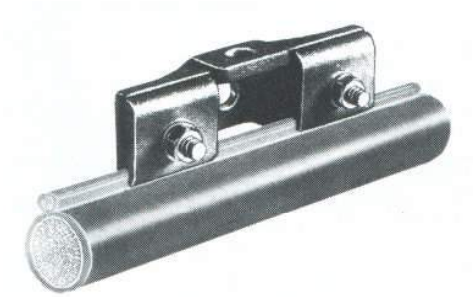
BAYONET SPINDLE ILLUSTRATED

RING SPINDLE ILLUSTRATED

ORDERING INFORMATION

CATALOGUE NUMBER	DESCRIPTION
ALCI-SC	Bayonet Spindle, Solid Copper Stirrup.
ALC1-S-SC	Bayonet Spindle, Stranded Copper Stirrup.
ALC1-SC-P75	Bayonet Spindle, Solid Copper Stirrup. Plated 75um
ALC1-SR	Ring Spindle, Solid Copper Stirrup.
ALC1-S-SR	Ring Spindle, Stranded Copper Conductor.
ALC1-SR-P75	Ring Spindle, Solid Copper Stirrup. Plated 75um
ALC1-PC	M12 Spindle with cross pin
ALC1-PR	M12 ring spindle

CATENARY CABLE SUPPORT CLAMP
TYPE- CSC

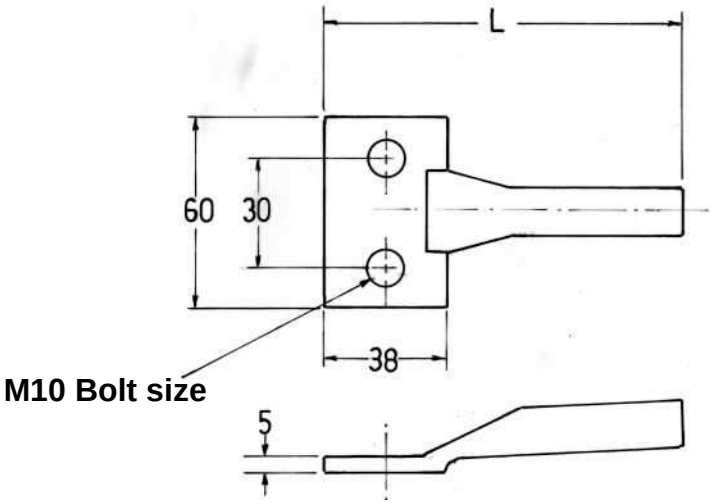


Designed to clamp directly over the PVC sheathing of the supporting cable section. The clamp body casting is drilled to provide either side or underhung mounting. Castings are in high- strength copper alloy. Clamping bolts, nuts and spring washers are stainless steel. Mounting holes are to suit M12 bolts.

Cat. No.	Dia. Range (Over Plastic)	Mounting Bolt Dia.
CSC5	5mm-6mm	M12
CSC10	8mm-10mm	M12

COPPER COMPRESSION HAMMERLUGS
TYPE - CHL

Copper compression hammerlugs are used for connecting copper conductors to airbreak switch terminals. They are fabricated from copper and supplied tin plated. Installation is by standard crimping dies.



Cat. No.	Conductor		A/F Hex Die	L
	Metric	Imperial		
CHL7064	7/1.70	7/.064	10.4	92
CHL7080	-	7/.080	10.4	92
CHL7104	-	7/.104	10.4	108
CHL19083	19/2.14	19/.083	13.2	132
CHL37083	-	37/083	16.0	150

Other sizes available upon request.

AIR BREAK SWITCH TERMINAL PALM CONNECTORS ALUMINIUM HAMMER-LUG TYPE - AHL

Aluminium compression type hammer-lugs are precision cast from primary aluminium alloy.
Mounting arrangement is via two M10 clearance holes at 30mm hole centres transverse to hammer-lug barrel .
All supplied prefilled with Jointseal compound and M10 stainless steel mounting hardware.
Standard pack size is three lugs.

When required electro tin plated, add suffix “T” to Cat .No. For example AHL745 - T

Cat. No.	Conductor		Palm Width (mm)	Hole centres (mm)	A/F Hex Die
	Size	Code			
AHL725	7/2.50	LEO	60	30	13.2
AHL730	7/3.00	LIBRA			13.2
AHL95	95mm2	ABC			21
AHL745	7/4.50 7/4.75	MERCURY MOON			21
AHL19325	19/3.25 19/3.50	NEPTUNE CCT			24.9
AHL19375	19/3.75	PLUTO			28.4
AHL37375	37/3.75	TRITON			43.2

Other sizes available upon request.

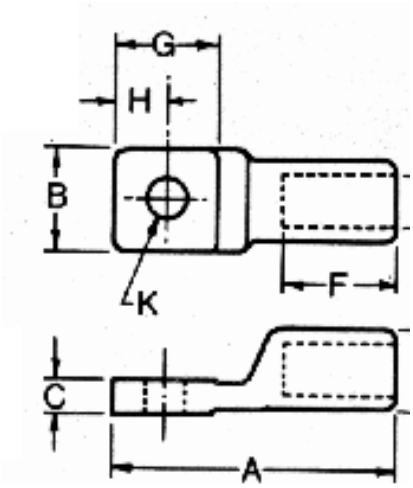
PALM TEE - OFF CONNECTOR - TYPE SP10072

Palm tee-off connectors allow multi hammer-lug connections to be made to Stand- Off Insulators which have a M12 male thread.

These fittings are precision cast from Primary Aluminium alloy.

COPPER COMPRESSION LUG - TYPE CCH

Forged from electrical grade copper these heavy duty copper crimp lugs are designed for connecting hard drawn copper conductors or copper cables to equipment terminals.
The heavy wall design prevents stress cracking due to wind vibration. Lugs are electro-tin plated and are supplied individually labeled to indicate crimp die size.



Cable/Conductor size Mm²/strand	Cat. No.	Dimensions in Millimetres							Hex Die A/F (Alternate Die size)
		A	B	C	F	G	H	K	
7/.104	CCH7104	70	22	5	36	28	14	M12	38.104CU. (10.4 A/F)
25mm²	CCH25 S	72	22	6	35	28	14	M12	38.104CU. (10.4 A/F)
70mm²	CCH70-12	76	27	6	36	28	14	M12	38.132CU (13.2 A/F)
95mm² 19/2.50	CCH95-12	86	27	6.5	43	26	14	M12	38.165CU. (16.6 A/F)

ALUMINIUM COMPRESSION LUG - TYPE ACH

Type ACH Aluminium compression lugs are precision cast in high purity aluminium. They are supplied prefilled with JOINTSEAL electrical compound, capped and then labelled to indicate crimp die size. Standard pack size is 5 lugs.
Also available Electro-tin plated. For this variation add 'P' to Cat. No. e.g. ACH 35-P.

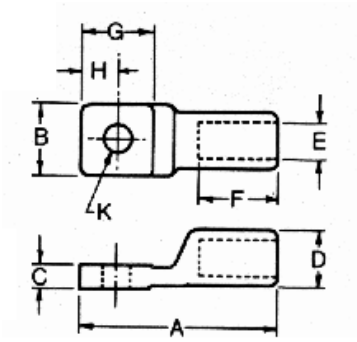


Fig 1.

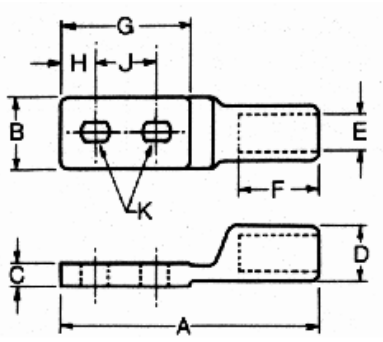


Fig 2.

Cable Size mm²	Cat. No.	Dimensions in Millimetres											A/F Hex. Die
		Fig. No.	A	B	C	D	E	F	G	H	J	K	
35	ACH35	1	72	26	8	16	8.8	32	28	14	-	M10	13.2
40	ACH40	1	72	26	8	16	9.0	32	28	14	-	M12	13.2
50	ACH50	1	72	26	8	16	9.8	32	28	14	-	M12	13.2
70	ACH70	1	72	26	8	21	11.5	32	28	14	-	M12	13.2
70	ACH70/2	2	122	32	11	21	11.5	42	67	15	32	M12	13.2
95	ACH95	1	107	35	11	24.6	13.8	60	38	18	-	M12	21.0
95	ACH95-2	2	128	35	12	24.6	13.8	60	63	15	32	M12	21.0
120	ACH120	1	107	35	12	24.6	15.0	40	38	18	-	M12	21.0
120	ACH120-2	2	128	35	12	24.6	15.0	60	63	15	32	M12	21.0
150	ACH150	1	90	35	12	27.0	16.5	40	36	18	-	M12	22.0
150	ACH150-2	2	137	35	12	27.0	16.5	57	71	16	32	M12	22.0
157	ACH19325	1	105	35	11	31.0	18.5	48	36	17	-	M12	24.9
185	ACH185	1	105	35	11	31.0	18.5	48	38	17	-	M12	24.9
185	ACH185-2	2	131	35	11	31.0	18.5	48	64	14	32	M10	24.9
240	ACH240	1	116	35	12	35.0	21.6	65	40	18	-	M12	28.4
240	ACH240-2	2	123	35	12	35.0	21.6	65	65	14	32	M10	28.4
300	ACH300	1	116	35	12	35.0	24.0	65	40	18	-	M12	28.4
300	ACH300-2	2	123	35	12	35.0	24.0	65	65	14	32	M12	28.4

ALUMINIUM COMPRESSION LUG
TYPE ACH - X

Manufactured from compression coupling tubing these compression lugs are used for terminating aluminium conductors at switchgear terminals . They are supplied pre-filled with jointing compound and plastic capped . Lugs are drilled for single M12 bolt mounting.

Cat. No.	Conductor	A/F Hex Die
ACH745 X	7/4.50 MERCURY 7/4.75 MOON	22
ACH19375 X	19/3.75 PLUTO	28.4

ALUMINIUM COMPRESSION LINKS

SPECIAL LINK - TYPE ASL

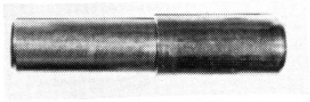
Type ASL Links are swaged from aluminium compression coupling to provide a means of joining aluminium solid sector cable to aluminium stranded cable.

Cat. No.	Sector End	Stranded End
ASL185	185mm² 3 core	150mm² normal 185mm² compacted
ASL185-4	185mm² 4 core	95mm2 ABC

ASL185

ALUMINIUM NEUTRAL LINK - TYPE ANL 240V

ANL240V >



Allows hexagon crimping 240mm² four core stranded aluminium cable in one end and indent crimping bare conductors in the other end within the range 16.5 - 19.5 mm. O.D.

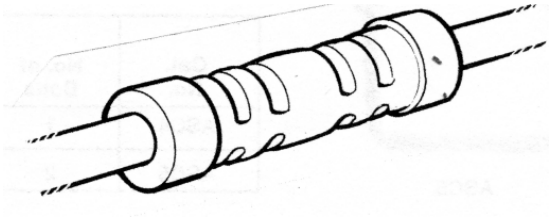
ALUMINIUM CRIMPLINK - TYPE ACL

Type ACL Aluminium Crimplinks are made from aluminium compression coupling tubing. They have a central dimple to ensure correct conductor positioning and are supplied prefilled with jointseal electrical compound and plastic capped.

Cat. No.	Cable Size		Length In mm
	Area mm²	Overall Dia.	
ACL150	150	15.75	80
ACL185	185	17.64	80
ACL240	240	20.25	127

ACL150

INSULATED SERVICE ENTRY CRIMP SLEEVES
TYPE - SC (NON – TENSION)
TYPE - FIC (FULL TENSION)



Both types consist of an aluminium insert centrally fixed inside an insulating jacket which is colour coded to identify cable size. The Inserts are partly filled with Jointseal jointing compound. Pliable end caps are designed to hold the inserted cables in place which allows both hands to be free to operate the crimping tool.

NON-TENSION

Cable Size		Colour Code	Cat. No.	Installation Details
Aluminium End	Cu End mm²			
16mm² Or Gemini	1.5	Green	SC1906	One crimp each end using MD6 Hytool with W– BG die set
	4	Yellow	SC1911	
	6	White	SC1913	
	10	Aqua	SC1916	
	16	Orange	SC1919	
25mm² Or Jupiter	4	Brown	SC2411	
	6	Red	SC2413	
	10	Blue	SC2416	
	16	Gold	SC2419	
	25	Purple	SC2424	

FULL-TENSION

16mm² Or Gemini	16	Orange	FIC1919	Maximum Crimps Each end
25mm² Or Jupiter	25	Purple	FIC2424	

ALUMINIUM TO FLEXIBLE COPPER CONNECTOR TYPE - AFT

This fitting consists of a tubular aluminium link swaged to a length of double insulated 70mm² flexible copper cable. A tinned copper compression lug with clearance hole for M12 bolt is crimped to the end of the copper cable. Both ends are sealed with heat shrink material. The open end of the aluminium link is pre-filled with joint compound and plastic capped.

Cat. No.	Aluminium Cable Size	Link O.D.
AFT 185	185mm²	30.15
AFT240	240mm²	34.29

Other sizes available upon request.

STUD TERMINAL - TYPE TST

These fittings consist of an aluminium compression coupling sleeve swaged over a tin plated brass threaded stud. A stainless steel back nut completes the assembly. Each fitting is pre-filled with jointing compound and capped. Labels provide hexagon crimping details.

Cat. No.	Conductor Size	Stud Detail
TST40/10	7/2.75 CCT	M10x35mm
TST40/12	7/2.75 CCT	M12x30mm

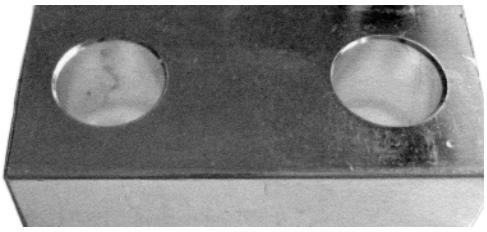
STUD TERMINAL - CAT. NO. A4-1693

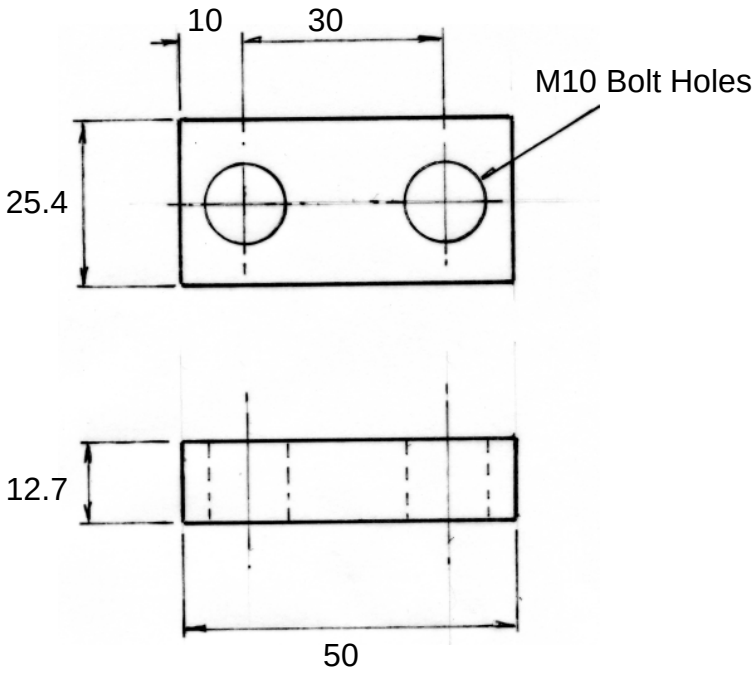
Cat. No. A4-1693 stud terminal consists of an aluminium compression coupling swaged over a tin plated brass ferrule which is internally threaded M12 x1.75. The thread depth is 20mm. Each fitting is pre-filled with jointing compound and capped .Labels provide hexagon crimping detail

Cat. No.	Conductor Size	Thread Detail
A4 - 1693	7/2.75 CCT	M12x 1.75 x 20mm Deep

SPACER SET - PART NO. A4-1353

These are used to provide separation at terminating points. They are made from high conductivity copper and heavily tin plated. Part No. A4-1353 consists of three pieces as detailed below packed in a single plastic bag.





ELECTRICAL JOINTING OF ALUMINIUM CONDUCTORS

Poor electrical connections involving aluminium conductors can largely be attributed to insufficient preparation of the aluminium conductor surface prior to jointing.

The oxide film which forms naturally on the surface of exposed aluminium provides excellent resistance to corrosion. The controlled application of a protective oxide layer by electrolysis known as anodizing makes full use of this property. However, most of the compounds formed on the surface of bare aluminium by the action of the elements contained in the atmosphere have a high ohmic resistance.It is essential then to remove these prior to electrical jointing. This is usually achieved by the use of a steel wire brush. The results can be readily seen as the translucent film is dislodged. The cleaned surface should be immediately protected from further oxidation by applying a grease based compound. We recommend the use of 'JOINTSEAL' electrical compound which is formulated by blending fine zinc particles with a lithium base grease. This will effectively seal the cleaned surface and prevent further oxidation. Under contact pressure the fine zinc particles provide a series of current carrying bridges between the aluminium conductor and its mating surface therefore ensuring high electrical conductively. JOINTSEAL electrical compound is readily workable over a wide temperature range and is recommended whenever aluminium forms part of a connection.

JOINTSEAL ELECTRICAL COMPOUND

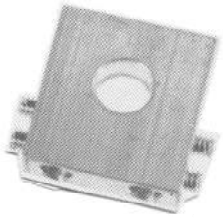
Jointseal Electrical Compound is a Lithium based ,smooth, high drop-point, grey coloured compound containing fine zinc particles.

Formulated to resist corrosion and promote good electrical contact with both bolted connectors and compression joints involving Aluminium and Copper conductors.

Available in handy 325 gram resealable tubes.

ALUMINIUM SERVICE BLOCKS TYPE - USB

Designed for positioning between URD cable lugs to provide service connections. Type USB service blocks are made from electrical grade aluminium alloy and are fitted with cadmium plated steel grub screws . Service entry holes are pre-filled with Joint compound . All service blocks are individually packed in plastic bags.

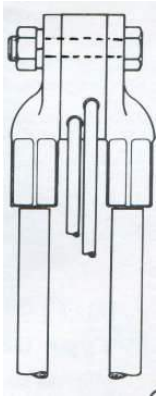


USB 1

USB 2

Cat. No.	Clamping Bolt Size	Thickness mm.	Service Cable Holes
USB 1	M12	13	2 x 8mm. O.D.
USB 2	M12	13	2 x 8mm. O.D.

Typical Application >



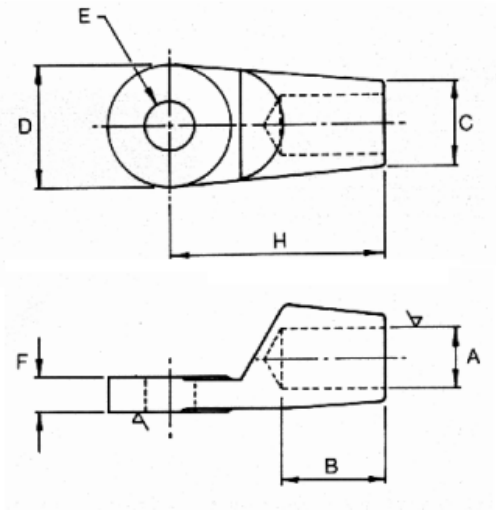
NEUTRAL CLAMP TYPE - NC

Type NC neutral clamps are designed for use on concentric neutral cables. They are cast in high conductivity copper alloy and supplied with an electro -tin plated finish. Bolts, nuts and spring lock washers are stainless steel.

Cat. No.	Main Cable Max. Dia.	Tap Cable Max. Dia.	Number Of Bolts
NC2106	21	6	1
NC2510	25	10	1
NC3614	36	14	2

CABLE SOLDER LUGS - TYPE CSL

Made from high copper content alloy and machined to size. All lugs are tinned.
Other bolt hole sizes available upon request.



Maximum Conductor mm²	Catalogue No.	Dimensions						
		A	B	C	D	E	F	H
120	CSL 120	16.0	25	21	30	11	8	52
150	CSL 150	17.5	30	25	35	14	10	62
240	CSL 240	22.5	33	32	46	18	11	79
300	CSL 300	24.6	42	32	48	16	11	79
800	CSL 800-100	39.0	65	50	100 Square	-	14	-

UNDERGROUND CABLE MARKER - TYPE UCM

Cat. No. UCM 1

Cast in corrosion- resistant bronze. Suitable for setting into concrete footpath or kerbing. Raised letters provide long- term indication. Grounding prongs ensure positive grip with Concrete.

Marker dimensions 120 x 50 x 7 mm. Prongs 31 mm long

UCM1 >

UCM2 >

Cat. No. UCM 2

Similar in construction to UCM 1 above but with arrow facing downwards