



Catalogue

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Customisable Sets



3 Phase Snap-On Set with Separate Earth

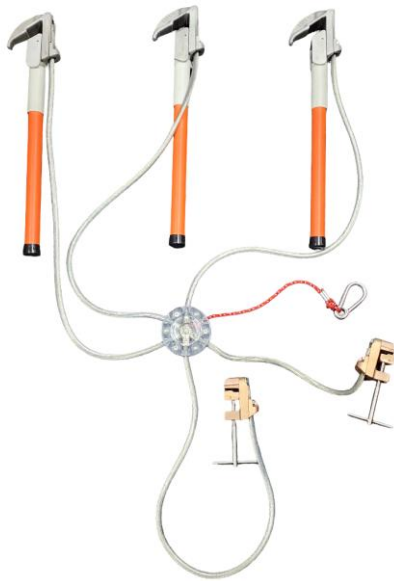
Our most popular snap-on set configuration that minimises the weight loaded on an operating pole while providing that sought after speed of application and removal. 20% lighter than the industry average weight of an equivalent snap-on set.

- 20% lighter than the industry average
- Easy to use sliding applicator
- Equipment bag you don't have to fight with
- Comes with Earth Spike everything you need is kept together
- Standout Blue, super-flexible cable
- Betacom reliability and endurance

Typically, this set consists of:

- **3-Phase Bonder**
 - 3 x Snap-On Clamp 30
 - 2 x 3m Phase to Phase 70mm² AL Cable
- **Separate Earth line**
 - 1 x Snap On Clamp 30
 - 1 x 14m Earth Cable 70mm² AL Cable
 - 1 x AL Ground Clamp 27
- **Earth Spike** 760mm
- **Equipment Bag**
- **Easy to use sliding applicator**
- Tested to **16kA/0.5s**
- **Options**
 - Customisable cable lengths
 - Permanent operating sticks
 - Customisable stick lengths
 - Can be configured to integrate the earth cable to the bonder. Reduces cost but increases weight
- IEC 61230 Compliant
- Product Number: FC-P330760-00
- Drawing No: 330760





3 Phase Trifurcating Customisable Set

Our 3-Phase 1-Earth Portable Earthing Set is lighter than using three separate earthing jumpers. Our junction block can accommodate an extra neutral clamp and a carabiner assembly. The junction block reduces the amount of force applied to the ground clamp under fault conditions.

It's our most popular customised PED set.

To the left is an illustration of the combination of parts for our most popular customised set, as an example to see. It includes a neutral clamp.

Lighter and more compact than 3 separate single phase portable earthing devices.

IEC 61230 compliant.

Typically, this set consists of:

- 3 x Line Clamp 38 with Dog Clutch and 1.2m PVC
- 3 x 3m x 35mm² CU Line Cables (Clamp to Junction Block)
- 1 x 6-Way Junction Block
- 1 x 1m x 35mm² CU Neutral Cable (Junction Block to Neutral Clamp) with 1 x Ground Clamp 27
- 1 x 9m 35mm² CU Earth Cable (Junction Block to Ground Clamp) with 1 x Ground Clamp 27
- Earth Spike 760mm
- Comes with Equipment Bag, Carabiner
- Tested to **10kA/1s, 16 kA/0.5s**
- Drawing Number: 330101 (35mm²); 330612 (50mm²)
- Product Code (35mm²): FC-P101604
- Product Code (50mm²): FC-P330612
- **Options**
 - **50mm²** CU Cable (tested to 16kA/1s, 23kA/0.5s)
 - **35mm²** CU with **heavy duty lug** (tested to 11.5ka/1s, 16.3kA/0.5s)
 - **25mm²** CU Cable (tested to 6kA/1s, 8.5kA/0.5s)
 - Customisable cable lengths
 - Customisable stick lengths
 - Spindle options (see page 14)
 - Choose other line clamps such as Ground Clamp 27
- **Pick and Mix: Sets can be tailored to suit with different combinations of clamps and spindles**





3 Phase Trifurcating Customisable LV Earth Set

Our 3-Phase 1-Earth Portable LV Earthing Set is lighter than using three separate earthing jumpers. Our junction block can accommodate an extra neutral clamp and a carabiner assembly. The junction block reduces the amount of force applied to the ground clamp under fault conditions.

It's our most popular customised PED set.

To the left is an illustration of the combination of parts for our most popular customised set, as an example to see. It includes a neutral clamp.

Lighter and more compact than 3 separate single phase portable earthing devices.

Typically, this set consists of:

- 3 x Ground Clamp 27 with screwdriver handles
- 5 x 1.5m x 35mm² CU Line Cables (Clamp to Junction Block)
- 1 x 6-Way Junction Block
- Caribiner
- Equipment Bag (450mm x 450mm x 100mm)
- Tested to **10kA/1s, 16 kA/0.5s**
- **Options**
 - **50mm²** CU Cable (tested to 16kA/1s, 23kA/0.5s)
 - **35mm²** CU with **heavy duty lug** (tested to 11.5kA/1s, 16.3kA/0.5s)
 - **25mm²** CU Cable (tested to 6kA/1s, 8.5kA/0.5s)
 - T-Handle spindle
 - Fixed handle spindle
 - Customisable cable lengths
 - Customisable stick lengths
 - Choose other line clamps such as Ground Clamp 27
- IEC 61230 compliant
- Product Code: FC-P333113
- Drawing Number: 333113
- **Pick and Mix: Sets can be tailored to suit with different combinations of clamps and spindles**





Serial Bonding Set

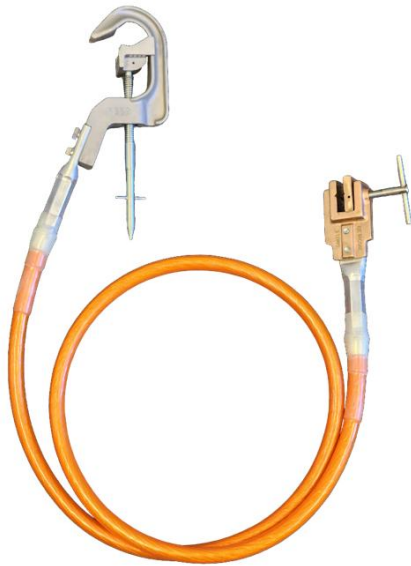
A daisy-chain portable earthing device provides a **simple, reliable way to bond multiple points into a single equipotential system**, improving safety, reducing setup time, and preventing dangerous voltage differences during faults or switching.

- **Creates a single equipotential zone**, ensuring all bonded components rise and fall in voltage together, eliminating dangerous touch-potential differences.
- **Simplifies setup** by linking multiple items in one continuous chain instead of running several individual leads back to a single earth point.
- **Reduces the chance of mis-clipping or leaving something unbonded**, because everything is connected in a defined sequence.
- **Supports predictable fault-current flow** by providing a low-impedance, reliable return path that helps protection operate correctly.
- **Improves workflow safety** by ensuring simultaneous connection and controlled disconnection, preventing floating conductors during removal.

Typically, this set consists of:

- 3 x Ground Clamp 27 with 1.2m dog clutch PVC Handles
- 2 x 1.5m x 35mm² CU Line Cables (Clamp to Junction Block)
- Equipment Bag
- Tested to **10kA/1s, 16 kA/0.5s**
- IEC 61230 compliant.
- **Options**
 - **50mm² CU Cable** (tested to 16kA/1s, 23kA/0.5s)
 - **35mm² CU with heavy duty lug** (tested to 11.5kA/1s, 16.3kA/0.5s)
 - **25mm² CU Cable** (tested to 6kA/1s, 8.5kA/0.5s)
 - Customisable cable and stick lengths
 - Bayonet spindles
 - Choose number of clamps to daisy chain
 - Choose other line clamps such as Line Clamp 55
- Drawing Number: D330179 (2 Line Clamps, 35mm²)
- Drawing Number: D330035 (3 Line Clamps, 35mm²)
- Drawing Number: D330046 (4 Line Clamps, 35mm²)
- **Pick and Mix: Sets can be tailored to suit with different combinations of clamps and spindles**





Single Phase 147mm² AL Portable Earthing Set

Our Single Phase 147mm² AL Earthing Set is one of our most popular portable earth device for TransPower contractors.

- Bright orange insulation to ensure easy identification
- Betacom reliability and endurance
- Bayonet spindle allows one operating stick to be re-used when applying multiple PEDs

Typically, this set consists of:

- 1 x Line Clamp 55 with Bayonet Spindle
- Equipment Bag
- Customisable cable lengths
- Tested to **25kA/1s, 35.4kA/0.5s**
- IEC 61230 compliant.
- Product Code: FC-P330306
- Drawing Number: 330306
- **Pick and Mix: Sets can be tailored to suit your needs, with different combinations of clamps and spindles.**





Single Phase 147mm² AL Portable Bonding Set

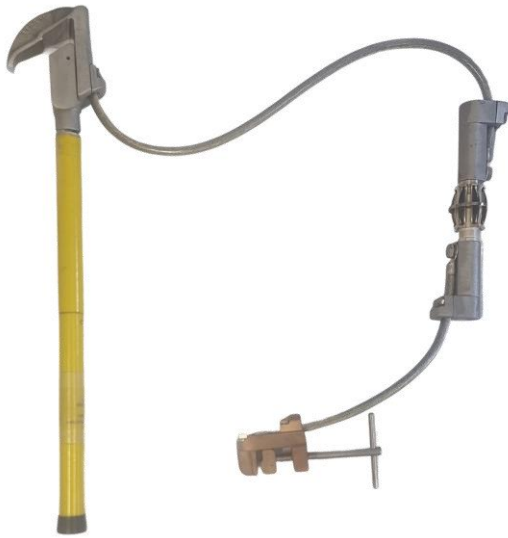
Our Single Phase 147mm² AL Bonding Set is one of our most popular portable earth device for Transpower contractors.

- Bright orange insulation to ensure easy identification
- Betacom reliability and endurance
- Bayonet spindle allows one operating stick to be re-used when applying multiple PEDs

Typically, this set consists of:

- 2 x Ground Clamp 15
- 147mm² AL Orange Dual Insulation Cable
- Equipment Bag
- Transpower approved
- IEC 61230 compliant.
- Product code: FC-P330191
- Drawing Number: 330191





Equipotential Breakaway Bond Set

Equipotential Breakaway Bond Set is designed for bucket truck or elevated work platform to line bonding.

Reduces risk from unintended vehicle or platform movement – breakaway design limits mechanical and electrical impact if the EWP moves before bonding is removed

In an emergency, if the personnel on the platform are incapacitated, an EPW operator on the ground can lower the platform, even if it is bonded to a structure.

Designed for bucket truck and EWP line bonding – maintains equipotential bonding for elevated work applications

Tested to 12 kA for 1 s – verified fault-current performance for temporary bonding applications

- 50 mm² copper conductor – low-impedance path for effective equipotential bonding
- Low electrical resistance (125 $\mu\Omega$) – supports secure, reliable bonding connections
- Controlled breakaway coupling – central joint load tested to 22.5 kg minimum / 35 kg maximum for predictable separation
- Supplied as a complete set with equipment bag – convenient transport and storage
- Transpower approved – suitable for use on transmission and substation works
- IEC 61230 compliant.
- Drawing Number: 330599
- Product No: FC-P330599-00



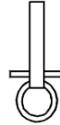
INDIVIDUAL PARTS

			
Snap-On Clamp 30 • Cast Aluminium • Nominal Jaw Opening: 6mm-30mm	Line Clamp 38 • Cast Aluminium • Nominal Jaw Opening: 3mm – 38mm	Line Clamp 55 • Cast Aluminium • Nominal Jaw Opening: 6mm – 55mm	Line Clamp 80 • Cast Aluminium • Nominal Jaw Opening: 5mm – 80mm
• Supported Conductors • 70mm² CU	• Supported Conductor Options ○ 25mm² CU ○ 35mm² CU ○ 50mm² CU	• Supported Conductor Options ○ 25mm² CU ○ 35mm² CU ○ 50mm² CU ○ 147mm² AL	• Supported Conductors ○ 25mm² CU ○ 35mm² CU ○ 50mm² CU ○ 147mm² AL
• Options • Fixed handles attached to customer specified length	• Supported Spindle Options ○ Fixed handle ○ Fixed handle section with button joint ○ Bayonet ○ Handle with dog clutch ○ Handle with Flexi-Joint ○ Shotgun ○ Bayonet (Pfisterer)	• Supported Spindle Options ○ Fixed handle ○ Fixed handle section with button joint ○ Bayonet ○ Handle with dog clutch ○ Handle with Flexi-Joint ○ Shotgun ○ Bayonet (Pfisterer)	• Supported Spindle Options ○ Fixed handle ○ Fixed handle section with button joint ○ Bayonet ○ Handle with dog clutch ○ Handle with Flexi-Joint ○ Shotgun ○ Bayonet (Pfisterer)
• Light and quick to apply • Designed to take up to two conductors • Sand casted body provides textured surface for non-slip grip • Torsion spring carefully designed to ensure a tight grip on your conductor • Tested to 16kA for 0.5s, 11.3kA for 1s • IEC 61230 compliant	• Serrated Jaw surface to break dirt/oxidation barrier on overhead conductor. • Dog clutch stops clamp spinning during use • Strain relief saddle minimises fatigue on cable and termination lug • ACME thread reduces number of turns required • Clamp beak allows easy line capture • Jaw step helps secure cable in jaw	• Serrated Jaw surface to break dirt/oxidation barrier on conductor. • Dog clutch stops clamp spinning use • ACME thread reduces number of turns required to open and close clamp • Clamp beak allows easy line capture • Jaw step and shape concaved to provide enhanced contact security	• Serrated Jaw surface to break dirt/oxidation barrier on conductor. • Dog clutch stops clamp spinning during use • Strain relief saddle minimises fatigue on cable and termination lug • ACME thread reduces number of turns required • Clamp beak allows easy line capture • Jaw step helps secure cable in jaw
• Product code: SNP-003 • Drawing no: SNP-003-A01	• Drawing no: 339901	• Dwg no: 330821 (Bayonet) • Dwg no: 330822 (shotgun)	• Drawing no: 332760

		
Ground Clamp 27 • Cast Aluminium or Bronze Options • Nominal Jaw Opening: 0mm – 27mm	Ground Clamp 15TP • Cast Bronze • Nominal Jaw Opening: 0mm – 15mm	Ground Clamp 42TP • Cast Bronze • Nominal Jaw Opening: 0mm – 42mm
• Supported Conductor Options ○ 25mm² CU ○ 35mm² CU ○ 50mm² CU	• Supported Conductor Options ○ 147mm² AL	• Supported Conductor Options ○ 147mm² AL
• Supported Spindle Options ○ T-Handle ○ Screwdriver ○ Fixed handle ○ Fixed handle section with button joint ○ Bayonet ○ Handle with dog clutch	• Supported Spindle Options ○ T-Handle ○ Screwdriver	• Supported Spindle Options ○ T-Handle ○ Screwdriver
• Serrated Jaw surface to break dirt/oxidation barrier on overhead line conductor. • Dog clutch stops clamp spinning during application • Strain relief saddle minimises fatigue on cable and termination lug • ACME thread reduces number of turns required to open and close clamp • Clamp beak allows easy line capture • Jaw step helps secure cable in jaw	• Serrated Jaw surface provides enhanced contact security with earthing surface • ACME thread reduces number of turns required to open and close clamp • Transpower approved design	• Serrated Jaw surface provides enhanced contact security with earthing surface • ACME thread reduces number of turns required to open and close clamp • Transpower approved design
• Product Code: FC-P101562 • Drawing No: 331701	• Product code: FC-P101395-01 • Drawing No: 331730	• Product Code: FC-P331729-00 • Drawing No: 331729

Clamp Spindle Option Details

			
Bayonet Spindle	Bayonet with Dog Clutch Spindle	T-Handle Spindle	Screwdriver Spindle
Compatible Clamps - Line Clamp 38 - Line Clamp 55 - Line Clamp 80 - Ground Clamp 27	Compatible Clamps - Line Clamp 38 - Line Clamp 55 - Ground Clamp 27	Compatible Clamps - Ground Clamp 15TP - Ground Clamp 27 - Ground Clamp 42TP	Compatible Clamps - Line Clamp 38 - Line Clamp 55 - Ground Clamp 27
- Designed to be hand tightened without needing additional tools - ACME thread to reduce the number of turns to open or close the clamp - Allows one operating pole to apply and remove multiple clamps	- Designed to be hand tightened without needing additional tools - ACME thread to reduce the number of turns to open or close the clamp - Allows one operating pole to apply and remove multiple clamps - Dog clutch stops clamp from spinning while the clamp is being applied to conductor	- Designed to be hand tightened without needing additional tools - T-Handle allows good leverage to ensure a tight fit	- Designed to be hand tightened without needing additional tools - Narrow width allows more ground clamps to be applied to an earthing point where space is limited

			
Fixed Handle with Dog Clutch	Pfisterer Bayonet Spindle	Shotgun Spindle	Flexi-Head Fixed Handle
Compatible Clamps - Ground Clamp 27 - Line Clamp 38	Compatible Clamps - Line Clamp 38 - Line Clamp	Compatible Clamps - Line Clamp 38 - Line Clamp 55 - Line Clamp 80 - Ground Clamp 27	Compatible Clamps Line Clamp 55
- Operating poles maintain minimum approach distances - Sectional poles with button joints allow long poles to be dis-assembled for convenient storage - Dog clutch stops clamp from spinning	- Designed to be hand tightened without needing additional tools - ACME thread to reduce the number of turns to open or close the clamp - Allows one operating pole to apply and remove multiple clamps Compatible with Pfisterer bayonets	- Allows one operating pole to apply and remove multiple clamps - Requires shotgun pole (aka stick) for operation. See Chance or Hastings telescopic shotgun poles and sticks on Page [xx].	- Fixed flexi-head handle allows Line Clamps to be closer to the vertical on conductors suspended from cross arms - Up to 30 degree bend - Sectional poles connected by button joints allow long poles to be dis-assembled for convenient storage

Operating Poles

								
Operating Pole Handle Section	Operating Pole Extension Section	Operating Pole Bayonet Section	Operating Pole Section With flexible joint	Operating Pole Bayonet Handle	Operating Pole with Universal Sunrise Adapter Top Section or Handle Section	Operating Pole Extension Section	Operating Pole Handle Section	Operating Pole with Universal Sunrise Adapter Top Section or Handle Section
40mm OD	40mm OD	40mm OD	40mm OD	40mm OD	40mm OD	32mm OD	32mm OD	32mm OD
Dwg No 331533	Dwg No 331532	Dwg No 331511	Dwg No 331518	Dwg No 331512	Dwg No 331534	Dwg No 331521	Dwg No 341150	Dwg No 341150
PVC Sectional Poles and Handles - Standard lengths 1.2m and 1.8m - Maximum section length 1.2m - Shorter section lengths available to suit required overall length - Robust button joints for ease of assembly - Tested to 100kV/300mm for 1 minute - All sections foam filled and routine tested to IEC 60855					Fibreglass (FBG) Sectional Poles and Handles - Standard lengths 1.2m and 1.8m - Maximum section length 2m - Shorter section lengths available to suit required overall length - Robust button joints for ease of assembly - Tested to 100kV/300mm for 1 minute - All sections foam filled and routine tested to IEC 60855			

					
Chance Telescopic Measuring Operating Pole		Hastings Triangular Telescopic Measuring Operating Pole			
• Universal adapter • Tested per OSHA & ASTM F711 • Button-joint locking telescopic design • Allows line mechanics to remove pole covers, prune trees, disconnect switches, replace cut outs, depending on available tools.		• Built for Professional Overhead line work • Designed for speed and efficiency • Superior handling in all conditions • Triangular no twist telescopic design • Automatic locking sections • High visibility fluorescent foam core tip • Compatible with universal tool heads			
• Max length: 10.5m • Retracted length: 5.5m		Product code	Extended Length	Retracted Length	Weight kg
• Product code: C4031022EM		MV-25	7.8m	1.63m	3.7
		MV-30	9.2m	1.68m	4.5
		MV-35	10.6m	1.72m	5.5
		MV-40	12m	1.75m	6.5



Chance Hubbell Grip-All Telescopic Shotgun Pole (Stick) with Universal Adapter

The most versatile tool in a line mechanic's hands, the Grip-All stick puts an easy-to-control "finger" on an insulated pole. Although primarily designed for installing hot-line and grounding clamps, it serves both overhead and underground circuits with various end fittings. Commonly called a "shotgun," the operating mechanism incorporates a sliding hand grip that opens the hook to grasp a clamp eyes crew and retract it into the tool head. A thumb latch then must be depressed to release the locked hand grip so it can open the hook. While the tool head is of Lexan® for close-quarter operations, the worker must maintain recommended working distance solely on the Epoxiglas® pole section of the handle as the hook and its actuator are metal parts. Easy to care for, Grip-All sticks do not require field stripping to clean. All insulated parts including the operating rod are outside the main pole, readily accessible to wipe dry. CAUTION: Do not clean the plastic head with solvent.

- | | |
|--|---|
| <ul style="list-style-type: none"> • Available in two sizes (maximum extended length 2.4m and 4.3m), each readily locks at variable working lengths • Design features rotating coupler and an engineered positive-lock button with safety stop to keep sections from parting or hook releasing while in use • Mechanism locks sections into a solid, rattle-free tool • Black head makes it obvious head is not included in minimum approach distance • Can replace several conventional sticks • Allows linemen to adhere to safe-working distances and positioning needs, with fewer sticks • Reduces the number of sticks required on a line truck, saving limited storage space | <ul style="list-style-type: none"> • Engineered interface between sections ensure tool retracts with full control Close fit helps keep out dirt and moisture • Top section is made with foam-center Epoxiglass® insulated pole • Functions of this telescopic pole identical to fixed length poles • All controls can be easily accessed while wearing gloves • Easy to disassemble • Stick must be kept clean and dry inside to ensure long life • Optional T4031245 Button and Spring Replacement kit • Tested per OSHA & ASTM F711 |
|--|---|

Product Codes: **2.4m** C4033050, **4.3m** C4033061

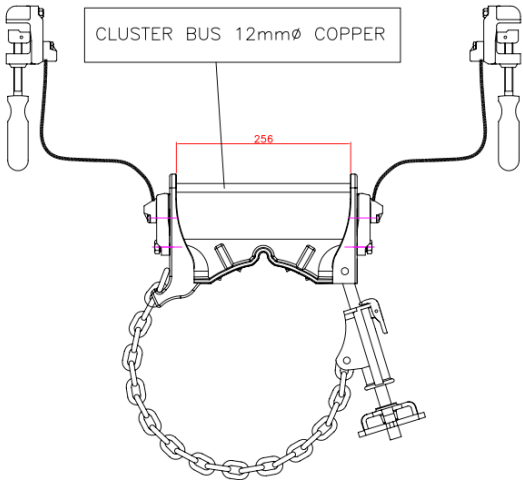
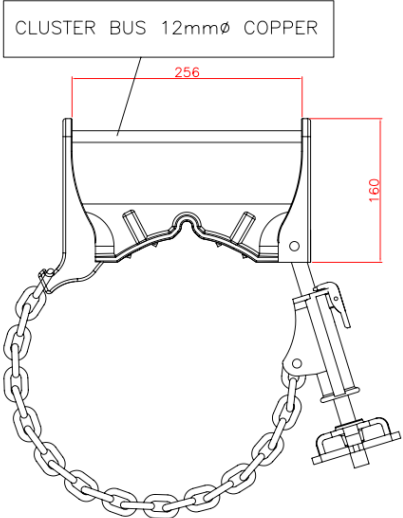


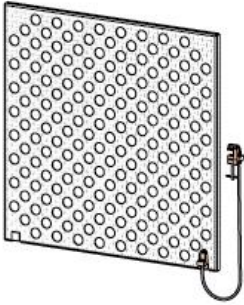
Cable

	
Aluminium (AL) Cable	Copper (CU) Cable
70mm² tested to 16kA for 0.5s, 11.3kA for 1s 105mm² tested to 25kA for 0.5s, 17.7kA for 1s 147mm² tested to 35.4kA for 0.5s, 25kA for 1s	25mm² tested to 8.5kA for 0.5s, 6kA for 1s 35mm² tested to 14.1kA for 0.5s, 10kA for 1s 35mm² (h. duty lug) tested to 16.3kA for 0.5s, 11.5kA for 1s 50mm² tested to 22.6kA for 0.5s, 16kA for 1s
- Dual layer translucent or transparent insulation for easy inspection and protection - IEC 61230 compliant - Length specified by request - Copper tin-plated to improve corrosion resistance 70mm² AL Distinctive Blue for easy recognition 105mm² AL Distinctive Red for easy recognition	- Carefully selected for strand count, bunch count and lay length for optimal conductivity and flexibility - Lug installation process optimised to minimise fatigue and stress failure - After a short circuit or fault event, the PED should be retired, replaced and not re-used 147mm² AL Bright Orange for easy recognition

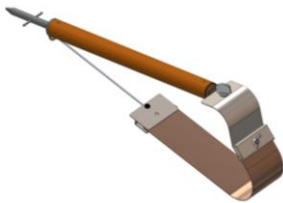
Miscellaneous Components

	
Auger	Bayonet to Universal Sunrise Adapter
- Cast bronze or aluminium - T-Handle can be removed for easier storage - Easy to attach	- Easily and conveniently attach a bayonet adapter to your operating pole with sunrise universal adapter fixed to it - Cast aluminium
- Product Code: FC-P100540-01 - Drawing No: 331370	- Product Code: FC-P101355 - Drawing No: 330700

	
Cluster Bar Distribution	Cluster Bar Transmission
Create an equipotential zone to a wooden pole	- Fitted with earthing horn and ground clamp ferrule mount - Create an equipotential zone to a concrete pole
- Product Code: FC-P100530-02 - Drawing No: 331395	- Product Code: FC-P331336-00 - Drawing No: 331336 (as illustrated)
	
Cluster Bar Transmission	Cluster Bar Transmission
- Create an equipotential zone to a concrete pole - Fitted with dual ground clamps via 1m 35mm CU cable	- Create an equipotential zone to a concrete pole - No accessories
- Product Code: FC-P331340-00 - Drawing No: 331340	- Product Code: FC-P331337-00 - Drawing No: 331337

	
DDO Fuse Cartridge Holder	Earth Mat for EPZ Bonding with Clamp
• 14 kA, 11 kV drop-out fuse arm device – reliable isolation and fault interruption for overhead networks • Cast bronze top and bottom assemblies – high strength, corrosion resistance, and long service life • Epoxy outer with horn-fibre lining – enhanced electrical insulation and arc-handling performance • 300mm and 600mm lengths available	• 4 mm aluminium treadplate – conductive, non-slip surface for effective equipotential control • Integrated aluminium clamp pad – secure, low-resistance earthing connection • Folded edges – added rigidity and stability, reduces movement underfoot • Lightweight (13.2 kg) – easy handling and rapid deployment by a single worker • Supplied with bronze or aluminium ground clamp and 2 m × 50 mm² copper earthing cable – provides a secure, low-impedance connection to the site earthing system for effective equipotential bonding • 1.1m x 1.1m
• Product Code: FC-P101010 • Drawing No: 111141	• Drawing No: GM-P01 • Product Code: GM-P01



	
Earth Mat for EPZ Bonding	Earth Spike Galvanised
• 1.1m x 1.1m • 4 mm aluminium treadplate – conductive, non-slip surface for effective equipotential control • Integrated aluminium clamp pad – secure, low-resistance earthing connection • Folded edges – added rigidity and stability, reduces movement underfoot • Lightweight (11 kg) – easy handling and rapid deployment by a single worker	• Hot-dip galvanised steel construction • High mechanical strength steel core • Corrosion-resistant zinc coating • Sharp driven tip for easy installation • Compatible with standard earth clamps • Suitable for permanent or temporary earthing • Maintenance-free design • Comes in two lengths: 760mm and 900mm
• Product Code: GM-P02 • Drawing No: GM-P02	• 760mm: Drawing No 331350S • 900mm: Drawing No 331355
	
Earthing Stud Belt Sander	Earthing Stud Sander
• Ensures clean contact surfaces for portable earthing • Essential for equipotential zone creation – helps achieve secure earthing when establishing safe work areas • Designed specifically for earthing horns – unlike closed-loop sanding devices, allows effective cleaning when both ends are fixed • Approved for use on Transpower networks – suitable for transmission and substation environments • Fits standard bayonet adapter – quick attachment to common insulating stick fittings • Transpower User Guidance	• Ensures clean contact surfaces for portable earthing • Essential for equipotential zone creation – helps achieve secure earthing when establishing safe work areas • Designed specifically for earthing horns – unlike closed-loop sanding devices, allows effective cleaning when both ends are fixed • Approved for use on Transpower networks – suitable for transmission and substation environments • Fits standard bayonet adapter – quick attachment to common insulating stick fittings • Transpower User Guidance
• Product code: FC-P355000-00 • Drawing No 355000	• Product code: FC-P355020-00 • Drawing No 355020



GoPro Universal Adapter

- Improve safety by inspecting assets from a greater distance.
- Turn existing earth sticks and operating poles into remote inspection tools.
- Capture clear photos and video for reporting and compliance records.
- Reduce inspection time and improve fault-finding efficiency.
- Compatible with industry-standard Universal Sunrise fittings.
- Secure and stable GoPro mounting solution.
- Lightweight, durable, and easy to carry.
- Designed specifically for power utility and electrical network applications.
- Tightening handles on both sides caters for left-handed and right-handed users.
- Environmentally sustainable PLA
- Replacement action camera mount screws available
- Design and manufactured in New Zealand
- Weight 44.6 mm
- Dimensions L 126.5 mm x W 115 mm x H 31.5 mm

Heatshrink

- Coloured heatshrink for equipment identification
- Optional reflective heatshrink
- Standard 200 mm lengths – supplied pre-cut for consistent application
- Multiple colour options – available in Red, Green, Blue, and Yellow, and Clear

• Product Code: FC-P342130

• Product Code: AR-R10490x

	
150mm Handle End with Button Joint	Junction Block
- A durable rubberised end-cap is fitted to protect the tip of your operating pole from impact, abrasion, and general wear - It significantly extends the operational life of the pole . .	5-way (50mm²) 6-way (25/35mm²) - Transparent polycarbonate to enable easy inspection - Tested to 22.6kA for 0.5s, 16kA for 1s
Drawing No: 259100 (40mm)	- Drawing No: 5-way 332003 - Drawing No: 6-way 332001 - Product Code: 5-way FC-P101625 - Product Code: 6-way FC-P101621
	
LV Disconnect for NZI Porcelain Fuses	Lugs
An incredibly handy tool for disconnecting and applying NZI Porcelain Fuses	25mm², 35mm², and 50mm² tinned copper lugs 70mm² lugs designed specifically for our snap-on clamp with rounded internal surfaces to relieve stress
- Drawing No 344105 - Product No FC-P101770	

	
Orange spiral wrap	RIVclip
• Restores high-visibility orange identification – renews faded earthing conductors to ensure portable earthing devices remain clearly visible • Supports safe re-energisation procedures – eye-catching orange colour helps line mechanics quickly identify earths that must be removed before re-energising • Compensates for UV colour degradation – replaces distinctiveness lost over time due to prolonged sunlight exposure • Spiral wrap design for easy installation – fitted directly over existing conductors without disconnecting or removing the earthing device • Extends service life of earthing leads – improves visibility without the need to replace otherwise serviceable cables	• Metal clevis-joint shunt clip – connects across insulator string clevis joints to reduce radio and television interference • Mitigates oxide-film build-up on lightly loaded clevis connections – prevents partial discharges caused by line voltage across oxidised bearing surfaces • Reduces Radio Interference Voltage (RIV) – provides a conductive bypass around the clevis joint to suppress electrical noise • Spring special-wire construction – manufactured with flat, sharp-cut ends for effective point contact • Secure snap-on installation – clips firmly around the clevis pin without additional tools • Proven interference reduction performance – laboratory testing demonstrated approximately 20 dB reduction, equivalent to a 10× voltage reduction and 96× noise reduction • Independently tested – performance verified in the High Voltage Test Laboratory at the University of Canterbury • Supplied in bulk packs – each unit contains 100 clips
• Part No: AS-R104930 (1/2" width) • Part No: AS-R104931 (1" width)	• Product No RIV4100E



Snap-On Applicator

- **Purpose-designed for Betacom snap-on earthing clamps** – enables fast, controlled application without manual handling
- **Slide-on application method** – applicator slides along the conductor, eliminating the need to thread through the clamp removal ring
- **Secure clamp retention during installation** – slotted tabs on the platform base lock snap-on clamps in place, preventing accidental drop-off while positioning
- **Universal sunrise adapter fitting** – compatible with standard operating poles for safe distance application
- **Lightweight construction (0.2 kg)** – easy to handle, reduces operator fatigue and improves control during use
- **Patent pending**

- Product No SN-001-A02

Twist-On Stay Guard

- **Unguarded stay wires pose a genuine hazard** for anyone working, walking, or even casually moving around near them. They're easy to overlook, and a moment's inattention can lead to serious injury, especially in busy work sites or rural environments where visibility is already compromised.
- **Grader operators, roadside maintenance crews, and grass cutters tend to favour these guards** because the white finish stays visible over time, reducing the risk of machinery accidentally striking a stay wire.
- **Network operators appreciate them for far more pragmatic reasons:** they significantly reduce accidental damage to stays. Installation is straightforward and inexpensive, making them a cost-effective safety upgrade across a wide range of sites.
- **Livestock, however, are far less enthusiastic.** Unlike bare stay wires, which animals often use as makeshift back scratchers, these guards rotate freely. The moment a cow or horse leans on one, it spins away, offering no satisfying resistance.
- **Supplied in convenient packs of 20**

- Product No FC-P110442
- Drawing No 253900

			
A	B	C	
Various Adapters			Voltage Detector SEW 375HP 240V-275kV AC
A. Universal sunrise hook adapter • Tighten or loosen pole top hardware • Adjust guy strain clamps • Align cross arm bolts • Work on older porcelain insulator fittings • Perform quick prying or levering asts on the pole B. DDO Cutout universal sunrise adapter • For older style drop out fuses • Lift the fuse tube out of the cutout • Rotate it to open the circuit • Re-insert it safely C. Universal sunrise screw adapter • Used on legacy polymer fuse-tube • Lifting and removing fuse barrels • Inserting and seating new fuse tubes • Operating older drop out cutouts			• Non-Contact • Protection class: IP65. • 8 voltage settings : 240V, 2kV, 6kV, 11kV, 22kV, 33kV, 132kV, 275kV • Bright LED visual indication • Frequency range: 40~70Hz • Flashlight function • Wider angle for voltage detection (120°) • Audible indication • Easy-to-prove method • Self-test function • Universal sunrise connection • Easy access to batteries. • Special ranges are available upon request. • The maximum detection range can be 500kV. • Meets EN 61326-1 CISPR 11 EN 61000-4-2 EN 61000-4-3 EN 61000-4-8 • Operating temperature: -10 – 50 deg C • Storage temperature: -20- 60 deg C • Humidity: 85% RH @ 40 deg C • Case height: 255 mm • Case width: 96 mm • Weight (incl. Batteries): 530 g • Power source: 3 x Size C Alkaline Batteries
• Drawing No: 342102 (A) • Drawing No: 340500 (B) • Drawing No: 342108 (C)			



Voltage Detector Direct Contact Sofamel VTE

- Model Options
 - 5-36kV
 - 5-66kV
 - 66-220kV
- Electronic voltage detector with micro controller and direct contact detection.
- Voltage absence is indicated by high luminosity green LED.
- Low battery is indicated by orange LED.
- Self-checking system for its complete circuit by pressing test button.
- Stops working when low battery.
- Self-ignition when voltage presence. In this mode consumption is less than 1 μ A.
- Power supply: 9 V alkaline battery, type 6LR61 (included).
- Universal sunrise connection.
- Supplied with carrying bag for pole and metallic box to store and transport the voltage detector with battery included.
- Work temperature range: from -25°C to +55°C.
- Manufactured according to IEC 61243:2003+A1:2009 and UNE-EN 61243-1:2006+A1:2011 standards (except voltage range



BETACOM EARTHING is a specialist manufacturer of Portable Earthing Devices (PEDs) and related products for both distribution and transmission applications. Our products are sold and supported throughout Australia, New Zealand and the Pacific Rim and include:

- Temporary earthing sets and assemblies for specified fault levels for: Transmission and distribution applications; Substation applications. Cluster bars for both distribution and transmission applications (for wood and poles).
- Equipotential bonding assemblies, jumpers and wood pole equipotential spikes.
- Our selection of line & earth clamps covers all identified practicable requirements. Associated auxiliary equipment, including earthing augers, lifting devices, earthing studs and dedicated substation earthing terminals. Other safety equipment products including HV operating poles and adaptors / attachments.

All Betacom PEDs and equipment are type tested to **IEC 61230** or otherwise manufactured to specific customer design specifications. Portable Earthing Devices save lives, they are the Line Operator's last defence when working on a conductor that unexpectedly becomes live. Betacom has been the leading manufacturer of PEDs in New Zealand since 1969. Betacom Earthing operates an externally audited and registered quality system that complies with the current edition of AS/NZS/ISO 9001.



Fault Current Reference Table

Cable	Tested To:	Cable	Tested To:	Cable	Tested To:	Cable	Tested to
25mm ² CU	8.5kA for 0.5s 6kA for 1s	35mm ² Heavy duty lug	16.3kA for 0.5s 11.5kA for 1s	70mm ² AL	16kA for 0.5s 11.3kA for 1s	147mm ² AL	35.4kA for 0.5s 25kA for 1s
35mm ² CU Std lug	14.1kA for 0.5s 10kA for 1s	50mm ² CU	22.6kA for 0.5s 16kA for 1s	105mm ² AL	25kA for 0.5s 17.7kA for 1s		

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