Mills
EST. 1918

millsltd.com

The One-Stop Shop for **Telecom Infrastructure Products**

Contractors Catalogue

ISSUE: CC2309

WELCOME TO

Mills
EST. 1918

millsltd.com

Mills is the UK's largest independent telecoms distributor

Mills Headquarters in Uxbridge

Family Business

Mills is a family business going back over 100 years, now with the fourth generation of the same family continuing the firm's ethos of service, customer care and innovation.

Stockholding & Warehousing

To support the rapid increase in demand for Telecom Infrastructure Products, Mills has now grown its warehouse operation to over 100,000 square feet from which we aim to meet our promise of next day nationwide delivery wherever possible.

The warehouse operation combines over 2000 pallet spaces with binning locations for over 7000 product lines.

In addition we have dedicated bonded customer storage areas, toolkit building areas and ample resource for the consolidation of customer call off orders.

FIND US ON SOCIAL MEDIA

GIGABIT BRITAIN and MILLS

All the digital infrastructure products, tools and equipment you need for your GIGABIT BRITAIN network build!

Mills provides the full range of fibre infrastructure products, tools and equipment needed to build end-to-end Gigabit-capable networks.

This is in support of the Government's target (revised in November 2020) to deliver GIGABIT BROADBAND to a minimum of 85% of UK premises by 2025 with a projected nationwide coverage by 2030.

With its clear understanding of the infrastructure products required, together with a specialist knowledge required to take advantage of

Openreach's Duct and Poles infrastructure in a compliant manner, Mills can offer specialist support to licensed Communication Providers (CPs) who are rolling out Gigabit-capable networks in both rural and urban areas in far quicker timescales and at lower cost than if building from scratch. Operating as both distributor and, in many cases, manufacturer, Mills is your partner of choice for FTTx products from the beginning to the end of your network build.

Compliance

All Duct and Pole infrastructure products supplied by Mills Limited comply with Openreach PIA Engineering Guidelines

Trade Counter

If you're working in the West London area, just call ahead and we'll have your order ready to collect at:
Unit 2 Zodiac Business Park, High Road, Cowley, Uxbridge, UB8 2GU

Speak to us

At Mills, your call will always be answered promptly by one of our experienced sales executives. **Tel: 0208 833 2626**
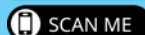
Mills Online

It's easier than ever to order online with many new features now added:

- **Add to Cart by SKU, CSV and Openreach P/N**
- **Improved Search & Filter**
- **Requisition Lists**
- **Re-order Functionality**
- **Improved Site Functions**
- **In-Store Credit**

Visit millsltd.com

SCAN ME

Mills EST.1919

Supply Chain Management

To help you concentrate on your core business, Mills offers a complete supply chain management solution

Our supply management solutions help you manage a 'just in time' inventory, saving money not just on stock-holding but on premises and personnel too.

Choosing Mills gives you a partner you can trust to deliver the right products to the right place at the right time, in the correct quantity at a fair price.

In addition to a full stock management solution we are also able to offer:

Inventory Reporting & Planning
By product, engineer, job and location

Dedicated Website Portals
Specially chosen and selected products that authorised staff can order for next day delivery

Locker Deliveries
Products can be delivered directly to engineers' delivery lockers - no need for warehousing

Integrated Purchase Ordering
We can integrate with most ERP systems

Asset Management
High value items can be linked to individual engineers or vehicles

Calibration & Repair Services
For power tools and test equipment

Dedicated Account Managers
Offering 24 hour service

Stock & Toolkit Consolidation
For acquisition purposes

Bundled Product
Selected products can be supplied bundled per build

Our one-stop shop approach for telecom infrastructure products ensures availability and continuity of supply for all the products you need for speedy and efficient installation of your networks
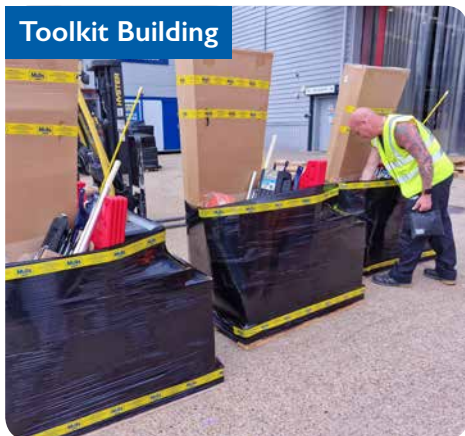
Asset Management

Account Management

Our Warehouse

Toolkit Building

For further details and to discuss your supply management requirements, request a visit from one of our Business Development Managers today

Tel: 020 8833 2626

Mills EST. 1919

INNOVATORS
- not imitators!

Innovation plays an important role in Mills' success. The taking of a traditional product, talking to customers and producing a modification that does the job faster and better is a significant part of what we do. This is particularly true of the upgrade from old copper telephone networks to fibre-based systems, dictating a need for equipment to be revisited and updated. Many traditional products have been subjected to rigorous R & D, taking into account ergonomics and aesthetics, to arrive at a lighter, more functional, streamlined solution.

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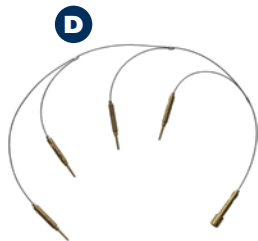Multisock Cabling
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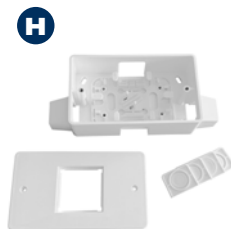
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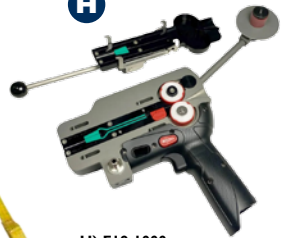
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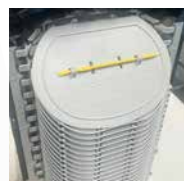
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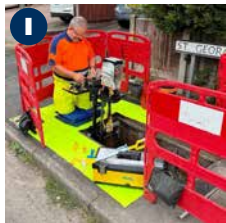
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How to order

Simply quote our part number, quantity required, your order number or reference and delivery address - it couldn't be easier.

Telephone: 020 8833 2626

Website: millsltd.com

Email: sales@millsltd.com

Hours of business:
Monday to Thursday 8.00am - 6.00pm
Friday 8.00am - 5.00pm

How to pay

We are happy to accept payment by the following methods:

Credit Card

Please quote your card number, start and expiry dates and security digits together with your name, address and delivery address.

Account

Accounts may be opened within 4 hours, subject to status, following receipt of a completed account application form.

Please contact our Accounts Department direct on **020 8833 2622** for further details.

Delivery

Free UK Mainland Delivery*

England, Scotland (excludes Scottish Highlands), Wales: **FREE** delivery on all in-stock orders over £100 (excl VAT). All orders under £100 to mainland UK addresses will incur a small order charge of £9.95 (excl VAT).

*Consignments over 30kg, cabinets and palletised deliveries will attract a competitive delivery price.

Next Day Pre 10.30am	£26.95
Next Day Pre Noon	£14.95
Saturday Pre Noon	£36.50
Northern Ireland	£29.95‡

‡minimum, dependent on weight and dimensions.

Northern Ireland, Channel Islands and Scottish Highlands 'next day' deliveries usually operate on a 3 working day service and will attract a competitive delivery price.

Contact Sales on **020 8833 2626** for details.

Mills M25 'Same Day' delivery

From a single parcel to a container-load delivered anywhere within the M25, just call **0208 833 2626** for an instant response to your last minute delivery requirements. (Subject to location - prices may vary).

Europe**

Mills delivers into Europe on a daily basis.

Zone 4	
Zone 2	
Zone 2	
Zone 1	Zone 1 - 2 Days
Zone 1	Zone 2 - 3 Days
Zone 2	Zone 3 - 3/4 Days
Zone 3	Zone 4 - 4/5 Days
Zone 3	
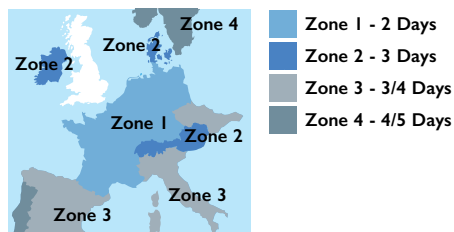
** Subject to zone - prices may vary.

Repairs and return of product

Any product being returned to Mills Ltd. for repair, calibration or exchange must be accompanied by documentation carrying a valid Mills Return Note Number. Please contact Customer Services on **020 8833 2626** for this information.

Prices given are in Pounds Sterling and may be subject to change

All prices are subject to VAT - Mills Standard Terms and Conditions apply (see page 489)

Cable, Ducting & FTTx Products

EMTELLE BLOWN FIBRE

Fibre Unit (FU) is an Emtelle developed and patented blown fibre micro cable, containing a state-of-the art, specifically designed polymeric sheath, optimised for smooth blowing installations. The Fibre Unit meets the requirements of today, in which the cable dimensions are getting smaller and smaller – Fibre Units are characterised by their low weight, small outer diameter, easy handling and long lifetime. Supplied in pans (reels on request for longer lengths).

- Ease of handling and durability
- Compatible with industry-standard blowing equipment
- Low friction coating for best blowing results
- Supplied in a fibre pan to ease fibre handling
- Fibre beads supplied in pan to enable blowing through connectors
- Up to 2000m blowing distance
- Supplied in 2KM lengths (lengths up to 12KM available on request)
- Dry filler enabling fast stripping & handling
- Light-weight and dielectric design

Description	2 Fibre	4 Fibre	12 Fibre	24 Fibre
Colour coding				
Diameter	1.1mm	1.1mm	1.6mm	2.05mm
Weight (mass)	1.0 g/m	1.0 g/m	2.2 g/m	2.8 g/m
Breakout	Typically 2 mins for 3m			
Blowing distance	Up to 2000m dependent on microduct size			
Minimum bore size	2.1mm	2.1mm	3.5mm	3.5mm

SINGLEMODE BLOWN FIBRE (G657 A1)

PART NO.	DESCRIPTION
9506/2KM	2FU G657A1 SM BLOWN FIBRE 2KM
9507/2KM	4FU G657A1 SM BLOWN FIBRE 2KM
9510/2KM	12FU G657A1 SM BLOWN FIBRE 2KM
91077/2KM	24FU G657A1 SM BLOWN FIBRE 2KM

SINGLEMODE BLOWN FIBRE (G657 A2)

PART NO.	DESCRIPTION
90139/2KM	2FU G657A2 SM BLOWN FIBRE 2KM
91033/2KM	4FU G657A2 SM BLOWN FIBRE 2KM
90765/2KM	12FU G657A2 SM BLOWN FIBRE 2KM
91099/2KM	24FU G657A2 SM BLOWN FIBRE 2KM

EMTELLE MINICABLES (12F TO 144F)

Minicables are for blowing into the duct network. They can be installed in single microducts or tube bundles. The cables are light-weight and smaller in diameter than traditional cables, enabling a higher fibre count within a small microduct. Cable consists of stranded core with central strength element (FRP) and gel filled loose tubes with optical fibres. Stranded core is fixed by water swellable yarns. Outer sheath is made of polyamide PA12. Colour of outer sheath is black

Available colour codes are ANSI / TIA 598, DIN VDE 0888, S12, FIN2012. Supplied in reels request for longer lengths.

- Ease of handling and durability
- Compatible with industry-standard blowing equipment
- Low friction coating for best blowing results
- Supplied on reels to ease fibre handling
- Fibre beads supplied in pan to enable blowing through connectors
- Up to 2000m blowing distance
- Supplied in lengths of 2KM and 4KM (lengths up to 12KM available on request)
- Gel filled loose tubes and water blocking yarns
- Light-weight and dielectric design

EMTELLE
TOGETHER EVERYTHING CONNECTS

Description	12 Fibre	24 Fibre	48 Fibre	72 Fibre	96 Fibre	144 Fibre	144 G652D
Colour coding							
Diameter	5.8mm	5.8mm	5.8mm	5.8mm	6.5mm	8.5mm	5.4
Weight (mass)	18.6 g/m	24.5 g/m	25.2 g/m	25.9 g/m	36.8 g/m	58 g/m	18.7 g/m
Breakout	Typically 2 mins for 3m						
Blowing distance	Up to 2000m dependent on microduct size						
Loose Tube	1	2	4	6	8	12	6

MINICABLES (G657A1)

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
90692/2KM	12F MINI CABLE G657A1 BLACK (5.8MM) 2KM	90408/4KM	72F MINI CABLE G657A1 BLACK (5.8MM) 4KM
90692/4KM	12F MINI CABLE G657A1 BLACK (5.8MM) 4KM	90980/2KM	96F MINI CABLE G657A1 BLACK (6.2MM) 2KM
90693/2KM	24F MINI CABLE G657A1 BLACK (5.8MM) 2KM	90980/4KM	96F MINI CABLE G657A1 BLACK (6.2MM) 4KM
90693/4KM	24F MINI CABLE G657A1 BLACK (5.8MM) 4KM	91143/2KM	144F MINI CABLE G657A1 BLACK (8.5MM) 2KM
90409/2KM	48F MINI CABLE G657A1 BLACK (5.8MM) 2KM	91143/4KM	144F MINI CABLE G657A1 BLACK (8.5MM) 4KM
90409/4KM	48F MINI CABLE G657A1 BLACK (5.8MM) 4KM	75427/2KM	144F MINI CABLE G652D 200U BLACK (5.4MM) 2KM
90408/2KM	72F MINI CABLE G657A1 BLACK (5.8MM) 2KM	75427/4KM	144F MINI CABLE G652D 200U BLACK (5.4MM) 4KM

PRYSMIAN 36F, 48F AND 96F ULTRA LIGHT-WEIGHT ULW OVERHEAD AND UNDERGROUND CABLE

These multi-unit optical drop cables are designed for aerial and/or duct applications and are suitable for use under 11kV power cables.

The fibre is supplied in a 2km length on plywood reels, longer lengths are available on request.

A) PRYSMIAN 36F ULTRA LIGHT-WEIGHT (ULW) CABLE (2KM REEL)

Layout: 3 x 12 singlemode fibres. Cable Diameter: 7.0mm

B) PRYSMIAN 48F ULTRA LIGHT-WEIGHT (ULW) CABLE (2KM REEL)

Layout: 4 x 12 singlemode fibres. Cable Diameter: 7.1mm

C) PRYSMIAN 96F ULTRA LIGHT-WEIGHT (ULW) (2KM REEL)

Layout: 4 units x 12 fibres. Cable diameter: 7.1mm
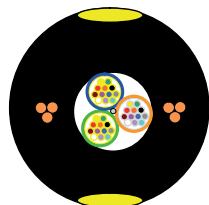
Image shown is of the 36F variant, not to scale.

- Optical fibre: Singlemode G.657.A1.
- Strength member: 3 x 0.32mm brass plated steel wires.
- Longitudinal Water Tightness: Water swellable elements (core only).
- Inner Sheath: HDPE.
- Stripes: Indicate planes for easy sheath removal.
- 36F Drum Height: 44cm.
- 36F Drum Diameter: 80cm.
- Max Installation Tension: 1200N.
- Maximum Breaking Load: 2000N.

Prysmian Group

PART NO.	DESCRIPTION
60082615	A) 36F ULTRA LIGHT-WEIGHT (ULW) (2KM REEL)
60050990	B) 48F ULTRA LIGHT-WEIGHT (ULW) (2KM REEL)
60098854	C) 96F ULTRA LIGHT-WEIGHT (ULW) (2KM REEL)

MILLS 36F AND 48F ULTRA LIGHT-WEIGHT (ULW) OVERHEAD AND UNDERGROUND CABLE

This PIA approved multi-unit ultra light-weight optical drop cable is designed for aerial and/or duct applications and is suitable for use alongside 11kV power cables. 36F is available on 2Km drums and 48F is available on 2Km and 4Km drums.

- Optical fibre: Singlemode G.657.A1
- Layout: 3 or 4 units x 12 fibres
- Embedding strength member: 3 x 0.32mm brass coated steel wires
- Moisture Barrier: Water blocking yarn and water swellable tape
- Outer sheath thickness: 1.6mm (nominal) HDPE UV Black
- Strip marking width: 1.25mm (nominal) HDPE Yellow
- Cable diameter: 7.0mm (± 0.3 mm)
- Cable Weight: 40.0Kg / km (nominal)
- Supplied on a wooden reel

Image shown is of the 36F variant, not to scale'

PART NO.	DESCRIPTION
S83-2590	36F OPTICAL AERIAL DROP CABLE (ULW) 2KM
S83-2591	48F OPTICAL AERIAL DROP CABLE (ULW) 2KM
S83-2592	48F OPTICAL AERIAL DROP CABLE (ULW) 4KM

MICRODUCTS DIRECT BURIAL (DB)

Available in popular sizes and manufactured from high quality HDPE enabling easy placement of fibre optic cables of suitable OD.

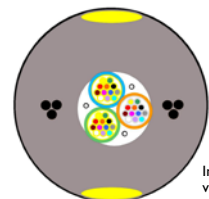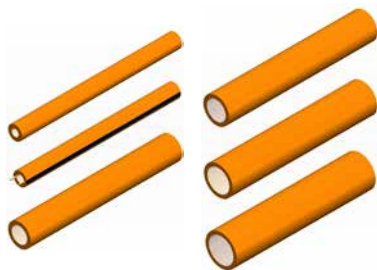The 65026 is a more heavy duty microduct manufactured from MDFE and benefitting from increased wall thickness and two reinforced 1.57mm GRP strength members and black stripes.

The 62751 is HDPE ribbed duct designed as a cable pathway for use in telecom networks.

Other sizes and length of microduct are available on request.

Part Number	ID mm	OD mm	Colour	Stripe	GRP Member	Ribbed
DUR-001	7mm	3.5mm	Orange	N	N	N
65026	7mm	3.7mm	Orange	Y	Y	N
60014	12mm	8mm	Orange	N	N	N
DUR-002	14mm	10mm	Orange	N	N	N
DUR-003	16mm	12mm	Orange	N	N	N
62751	18mm	14mm	Orange	N	N	Y
DUR-004	25mm	21mm	Orange	N	N	N

PART NO.	DESCRIPTION
DUR-001	7/3.5MM PRIMARY TUBE ORANGE 600M REEL
65026	7/3.7MM UNIVERSAL DROP TUBE ORANGE 2X BLACK STRIPE 1000M
60014	12/8MM PRIMARY TUBE ORANGE 2000M

PART NO.	DESCRIPTION
DUR-002	14/10MM PRIMARY TUBE ORANGE 2KM REEL
DUR-003	16/12MM PRIMARY TUBE ORANGE 2KM REEL
62751	18/14MM PRIMARY RIBBED TUBE ORANGE 2000M
DUR-004	25/21MM PRIMARY TUBE ORANGE 3KM REEL

MICRODUCT TUBE BUNDLES

The Microduct Tube Bundles are supplied in standard orange colour with black stripes for easy identification and a rip cord for ease of stripping.

They are light-weight and flexible products intended for direct installation into waiting ducts, but not for direct burial or aerial use.

Other sizes and length of microduct tube bundles are available on request.

Part Number	OD mm	No of Tubes	Colour	Stripes	Design
64951	18.4mm	7 x 5/3.5mm	Orange	Y	
64986	23.8mm	12 x 5/3.5mm	Orange	Y	
DUR-005	25.0mm	3 x 10/8mm, 3 x 5/3.5mm	Orange	Y	

PART NO.	DESCRIPTION
64951	7-WAY DIRECT INSTALL 5/3.5MM ORANGE 2X BLACK STRIPES 4000M
64986	12-WAY DIRECT INSTALL 5/3.5MM ORANGE 2X BLACK STRIPES 4000M
DUR-005	DI 6-WAY COMBO (3 X 10/8MM, 3 X 5/3.5MM) ORANGE 2KM REEL

MICRODUCT STRAIGHT CONNECTORS

Direct bury straight connectors developed for use in direct buried fibre optic applications. The tube stop design reduces tube ovality and allows full tube insertion. This feature also reduces snagging and helps insertion of poorly cut tube.

For rigidity the connectors have 30J Impact Resistance @-5°C and feature a transparent body which allows for visual inspection of tube and fibre.

PART NO.	DESCRIPTION
Q69-2586	A) MICRODUCT STRAIGHT CONNECTOR 5MM PKT 50
Q69-2584	A) MICRODUCT STRAIGHT CONNECTOR 7MM PKT 50
Q69-2582	A) MICRODUCT STRAIGHT CONNECTOR 8MM PKT 50
Q69-2588	A) MICRODUCT STRAIGHT CONNECTOR 10MM PKT 50
Q69-4307	B) MICRODUCT STRAIGHT CONNECTOR 12MM PKT 10
Q69-4308	B) MICRODUCT STRAIGHT CONNECTOR 14MM PKT 10
Q69-4309	B) MICRODUCT STRAIGHT CONNECTOR 16MM PKT 10
Q69-4310	C) MICRODUCT STRAIGHT CONNECTOR 18MM PKT 10
Q69-4311	D) MICRODUCT STRAIGHT CONNECTOR 25MM EACH

MICRODUCT END CAPS

Direct bury straight connectors developed for use in direct buried fibre optic applications.

Used for permanent end sealing of ducting systems to prevent water and dirt ingress. The cap is self-contained.

Available to suit 5,6,7,8,10,12,14,16,18 and 25mm microducts.

PART NO.	DESCRIPTION
Q69-6741	A) CONNECTOR END CAP 5MM PKT 10
Q69-6743	A) CONNECTOR END CAP 7MM PKT 10
Q69-6744	A) CONNECTOR END CAP 8MM PKT 10
Q69-6745	A) CONNECTOR END CAP 10MM PKT 10
Q69-6746	A) CONNECTOR END CAP 12MM PKT 10
Q69-6747	A) CONNECTOR END CAP 14MM PKT 10
Q69-6748	A) CONNECTOR END CAP 16MM PKT 10
Q69-4326	B) CONNECTOR END CAP 18MM EACH
Q69-4327	C) CONNECTOR END CAP 25MM EACH

MICRODUCT REDUCING CONNECTORS

Direct bury straight connectors developed for use in direct buried fibre optic applications. Available for reducing and increasing microducts in a range of popular microduct sizes. Supplied in packs of 10.

PART NO.	DESCRIPTION
Q69-2580	CONNECTOR REDUCER 6MM TO 5MM PKT 10
Q69-6729	CONNECTOR REDUCER 7MM TO 5MM PKT 10
Q69-6731	CONNECTOR REDUCER 8MM TO 5MM PKT 10
Q69-7691	CONNECTOR REDUCER 8MM TO 7MM PKT 10
Q69-6732	CONNECTOR REDUCER 10MM TO 8MM PKT 10
Q69-6735	CONNECTOR REDUCER 12MM TO 10MM PKT 10
Q69-6737	CONNECTOR REDUCER 14MM TO 12MM PKT 10
Q69-6738	CONNECTOR REDUCER 16MM TO 12MM PKT 10

GAS BLOCK CONNECTORS

The Gas Block connector provides a tube-to-tube joint and seal as well as providing a low-pressure gas seal between the inner microduct and the fibre bundle.

The gas block connector is designed to be fitted at the point where the external network 7mm microducts connect to the internal network 5mm microducts and provide a seal between the installed fibre unit and the inner area of the microduct.

Supplied in packs of 10.

PART NO.	DESCRIPTION
74665	A) 7-5MM GAS BLOCK CONNECTOR PK10
71110	B) 7MM GAS BLOCK STRAIGHT CONNECTOR 1.0MM TO 1.6MM PK10
71533	B) 7MM GAS BLOCK STRAIGHT CONNECTOR 1.8MM TO 2.4MM PK10

TEMPO DFE100 DROP FIBRE ENCLOSURE KITS

Tempo Drop Fibre Enclosure Kits can be used as demarcation points to install fibre optic cable splices and as repair products to reconnect damaged or severed drop fibre cables.

IP68 rated for buried applications and element protection.

PART NO.	DESCRIPTION
C00-4146	A) TEMPO DFE100 DROP FIBRE ENCLOSURE KIT 2 PORT INLINE
C00-4637	B) TEMPO DFE101 DROP FIBRE ENCLOSURE KIT 2 PORT STUB
C00-4638	C) TEMPO DFE104 DROP FIBRE ENCLOSURE KIT 4 PORT

COMMSCOPE SCIL INLINE FIBRE SPLICE CLOSURE

Configurable CommScope SCIL Inline Fibre Splice Closure.

Leverages proven FOSC™ fibre management system, with multiple splice tray options. Removeable cover allows unrestricted access to cable termination and splice area for easier installation. Cable termination and retention system fits any cable type from traditional loose tube buffered to small micro-sheath cables.

PART NO.	DESCRIPTION
SCIL-B	A) COMMSCOPE SCIL B INLINE FIBRE SPLICE CLOSURE
SCIL-B-WALL-BRACKET	B) COMMSCOPE WALL MOUNTING BRACKET FOR SCIL B INLINE FIBRE SPLICE CLOSURE

MINIDUCT SEALS

The Divisible Fibre Restraints are an easy-to-install Gas and Watertight seal suitable for sealing microducts.

The miniduct seal is easy to install on new installations and existing installations (retrofit).

Available for 5,6,7 and 8mm microducts and supplied in pkt 100.

PART NO.	DESCRIPTION
71720	MINIDUCT SEAL 5MM/1.25MM (X100)
72318	MINIDUCT SEAL 5MM/2.1MM (X100)
73572	MINIDUCT SEAL 6MM/0.9MM (X100)
73573	MINIDUCT SEAL 6MM/1.6MM (X100)
72319	MINIDUCT SEAL 7MM/1.6MM (X100)
71724	MINIDUCT SEAL 7MM/2.5MM (X100)
73234	MINIDUCT SEAL 8MM/0.9MM (X100)

SPLIT CABLE SEALS

Divisible mini-duct sealing plug sets developed to provide an effective and simple solution for gas and watertight duct sealing requirements. The modular system enables installation in new and existing situations.

Supplied as 2 half-shells and a split rubber seal.

Available for 14,16,18 and 25mm ducts and supplied in pkt 25.

PART NO.	DESCRIPTION
71833	SPLIT CABLE SEAL 14/5.0-6.5MM (X25)
71170	SPLIT CABLE SEAL 14/8.0-10.0MM (X25)
71171	SPLIT CABLE SEAL 16/8.0-6.5MM (X25)
71978	SPLIT CABLE SEAL 16/5.0-6.5MM (X25)
71172	SPLIT CABLE SEAL 16/10.0-8.0MM (X25)
71173	SPLIT CABLE SEAL 18/9.4-12.0MM (X25)
75727	SPLIT CABLE SEAL 25 (4.7-6.5MM) (X25)
75728	SPLIT CABLE SEAL 25 (6.5-8.5MM) (X25)

TUBE DISTRIBUTION CLOSURE

The Tube Distribution Closure (TDC) is IP 40 rated and can be Direct Buried into a waiting trench or placed inside a manhole or handhole.

Dimensions: Length:
316mm (12.4") Width: 220mm (8.7") Height: 70mm (2.8").

Supplied in a pack of 10.

PART NO.	DESCRIPTION
7514	TUBE DISTRIBUTION CLOSURE (PK10)

PRYSMIAN OVERBLOW SEAL KIT 25 - 14MM PK10

Closure utilised by trained overblow installation teams installing optical fibre cable into occupied 25mm subduct.

Supplied in a pkt 10.
Ref 093108.

PART NO.	DESCRIPTION
XBFSC02085A	PRYSMIAN OVERBLOW SEAL KIT 25 - 14MM (PK10)

EM WRAP MICRODUCT CLOSURE

The single layer EM Wrap closure when wrapped around microduct bundles, gives mechanical protection when buried in the ground, installed in access chambers, or used in overhead networks.

The EM Wrap closure has been designed to fit over microduct bundles, when a joint or branch is required. It is ideal for FTTH applications, whether the microducts are overhead, ducted or buried.

The installation is easy by simply wrapping the rubber sheath around the microduct bundles and inserting the tabs through their corresponding openings to form a sealed wrap.

Cable ties are then used to secure the closure in place. The double wrap version provides IP67 rating when used with amalgamating tape.

PART NO.	DESCRIPTION
S00-3852	EM WRAP SINGLE WRAP MICRODUCT CLOSURE
S00-4302	EM WRAP DOUBLE WRAP MICRODUCT CLOSURE

PVC PRIMARY DUCT SYSTEM 96.5MM OD (90MM ID) GREY (DUCT 54)

Socketed at one end & plain at the other end together with full range of accessories.

- Manufactured from virgin PVC-U polymer = 100% reliable performance.
- Duct systems are manufactured to Industry Standard BSEN 61386.
- Solid wall construction, capable of being back-filled where appropriate and not affected by sharp stone impingement.
- Smooth bore ensuring easier and safer installation of sub-ducts and cables owing to lower internal friction.
- Standard interference fit/push-fit socket systems & ring seal socket systems.
- Supplied in stillage of 115 x 6m length.

PART NO.	DESCRIPTION
S83-5056	A) GREY DUCT 96.5MM X 6M LENGTH PK OF 115
S83-4784	B) GREY SPLIT DUCT 3M X 96.5MM – PALLET OF 168
S83-5057	C) GREY 96.5MM 18 DEGREE BEND (EACH)
S83-5058	D) GREY 96.5MM 22.5 DEGREE BEND (EACH)
S83-5059	E) GREY 96.5MM 45 DEGREE BEND (EACH)
S83-5060	F) GREY 96.5MM 90 DEGREE BEND (EACH)
S83-5061	G) GREY 96.5MM CONNECTOR SLEEVE (EACH)
S83-5062	H) GREY SWEPT TEE 96.5 TO 53.9MM (EACH)
S83-4515	I) GREY SPLIT SWEPT TEE 96.5MM TO 53.9MM (EACH)
S83-6050	J) STRIP DUCT 54A - PACK OF 20
S83-4513	K) GREY 96.5MM TO 53.9MM REDUCER (EACH)
S83-4520	L) PLUG DUCT 4B RED (FOR 96.5MM DUCT SOCKET) PK50
S83-4521	M) PLUG DUCT 4C YELLOW (FOR 96.5MM DUCT SPIGOT) PK50
S83-2776	N) GREY DUCT REPAIR KIT 3A (EACH)
S83-3330	O) GLAND CAULKING NO. 2 (EACH)
S83-3332	P) DISC CAULKING NO. 1 (EACH)
S83-1830	Q) DISC CAULKING NO. 2 (EACH)

PVC PRIMARY DUCT SYSTEM 96.5MM OD (90MM ID) GREEN

Socketed at one end & plain at the other end together with full range of accessories.

- Manufactured from virgin PVC-U polymer = 100% reliable performance.
- Duct systems are manufactured to Industry Standard BSEN 61386.
- Solid wall construction, capable of being back-filled where appropriate and not affected by sharp stone impingement.
- Smooth bore ensuring easier and safer installation of sub-ducts and cables owing to lower internal friction.
- Standard interference fit/push-fit socket systems & ring seal socket systems.
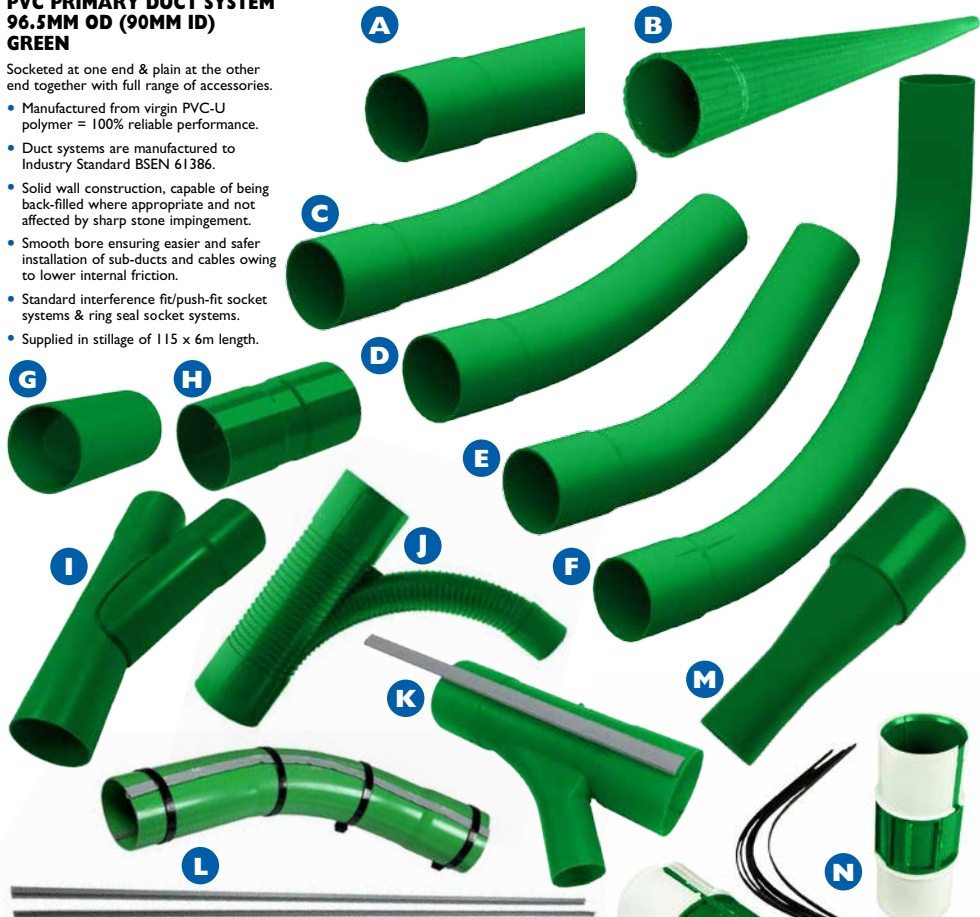- Supplied in stillage of 115 x 6m length.

PART NO.	DESCRIPTION
S83-5031	A) GREEN DUCT 96.5MM X 6M LENGTH PK OF 115
S83-5511	B) GREEN SPLIT DUCT 3M X 96.5MM – PALLET OF 168
S83-5032	C) GREEN 96.5MM 11.25 DEGREE SHORT BEND (EACH)
S83-5033	D) GREEN 96.5MM 22.5 DEGREE SHORT BEND (EACH)
S83-5034	E) GREEN 96.5MM 45 DEGREE SHORT BEND (EACH)
S83-5035	F) GREEN 96.5MM 90 DEGREE BEND (EACH)
S83-5036	G) GREEN 96.5MM CONNECTOR SLEEVE (EACH)
S83-5037	H) GREEN 96.5MM DOUBLE SOCKET CONNECTOR SLEEVE (EACH)
S83-5038	I) GREEN 96.5MM Y BRANCH / DUCT TEE (EACH)
S83-5039	J) GREEN SWEPT TEE 96.5MM TO 53.9MM (EACH)
S83-4516	K) GREEN SPLIT SWEPT TEE 96.5MM TO 53.9MM (EACH)
S83-6050	L) STRIP DUCT 54A - PACK OF 20
S83-4514	M) GREEN 96.5MM TO 53.9MM REDUCER (EACH)
S83-4512	N) GREEN DUCT REPAIR KIT 3A (EACH)
S83-4520	O) PLUG DUCT 4B RED (FOR 96.5MM DUCT SOCKET) PK50
S83-4521	P) PLUG DUCT 4C YELLOW (FOR 96.5MM DUCT SPIGOT) PK50
S83-3330	Q) GLAND CAULKING 2 (EACH)
S83-3332	R) DISC CAULKING NO. 1 (EACH)
S83-1830	S) DISC CAULKING NO. 2 (EACH)

PVC PRIMARY DUCT SYSTEM 53.9MM OD (50MM ID) GREY (DUCT 56)

Socketed at one end & plain at the other end together with full range of accessories.

- Manufactured from virgin PVC-U polymer = 100% reliable performance.
- Duct systems are manufactured to Industry Standard BSEN 61386.
- Solid wall construction, capable of being back-filled where appropriate and not affected by sharp stone impingement.
- Smooth bore ensuring easier and safer installation of sub-ducts and cables owing to lower internal friction.
- Standard interference fit/push-fit socket systems & ring seal socket systems.
- Supplied in stillage of 370 x 3m length.

PART NO.	DESCRIPTION
S83-5064	A) GREY DUCT 53.9MM X 3M LENGTH PK OF 370
S83-4519	B) GREY SPLIT DUCT 3M X 53.9MM (EACH)
S83-4619	GREY SPLIT DUCT 3M X 53.9MM – PALLET OF 110
S83-5065	C) GREY 53.9MM 22.5 DEGREE BEND (EACH)
S83-5066	D) GREY 53.9MM 45 DEGREE BEND (EACH)
S83-5067	E) GREY 53.9MM 90 DEGREE BEND (200MM RADIUS) (EACH)
S83-5068	F) GREY 53.9MM 90 DEGREE BEND (592MM RADIUS) (EACH)
S83-5069	G) GREY 53.9MM CONNECTOR SLEEVE (EACH)
S83-4517	H) GREY 53.9MM Y BRANCH (DUCT TEE 56/56) (EACH)
S83-5062	I) GREY SWEPT TEE 96.5 TO 53.9MM (EACH)
S83-4515	J) GREY SPLIT SWEPT TEE 96.5MM TO 53.9MM (EACH)
S83-4513	K) GREY 96.5MM TO 53.9MM REDUCER (EACH)
S83-3331	L) GLAND CAULKING 3 (EACH)
S83-3333	M) DISC CAULKING NO. 4 (EACH)
S83-4525	N) PLUG DUCT 1A (BLACK FOAM) 53.9MM BAG OF 100

PVC PRIMARY DUCT SYSTEM 53.9MM OD (50MM ID) GREEN

Socketed at one end & plain at the other end together with full range of accessories.

- Manufactured from virgin PVC-U polymer = 100% reliable performance.
- Duct systems are manufactured to Industry Standard BSEN 61386.
- Solid wall construction, capable of being back-filled where appropriate and not affected by sharp stone impingement.
- Smooth bore ensuring easier and safer installation of sub-ducts and cables owing to lower internal friction.
- Standard interference fit/push-fit socket systems & ring seal socket systems.
- Supplied in stillage of 370 x 3m length.
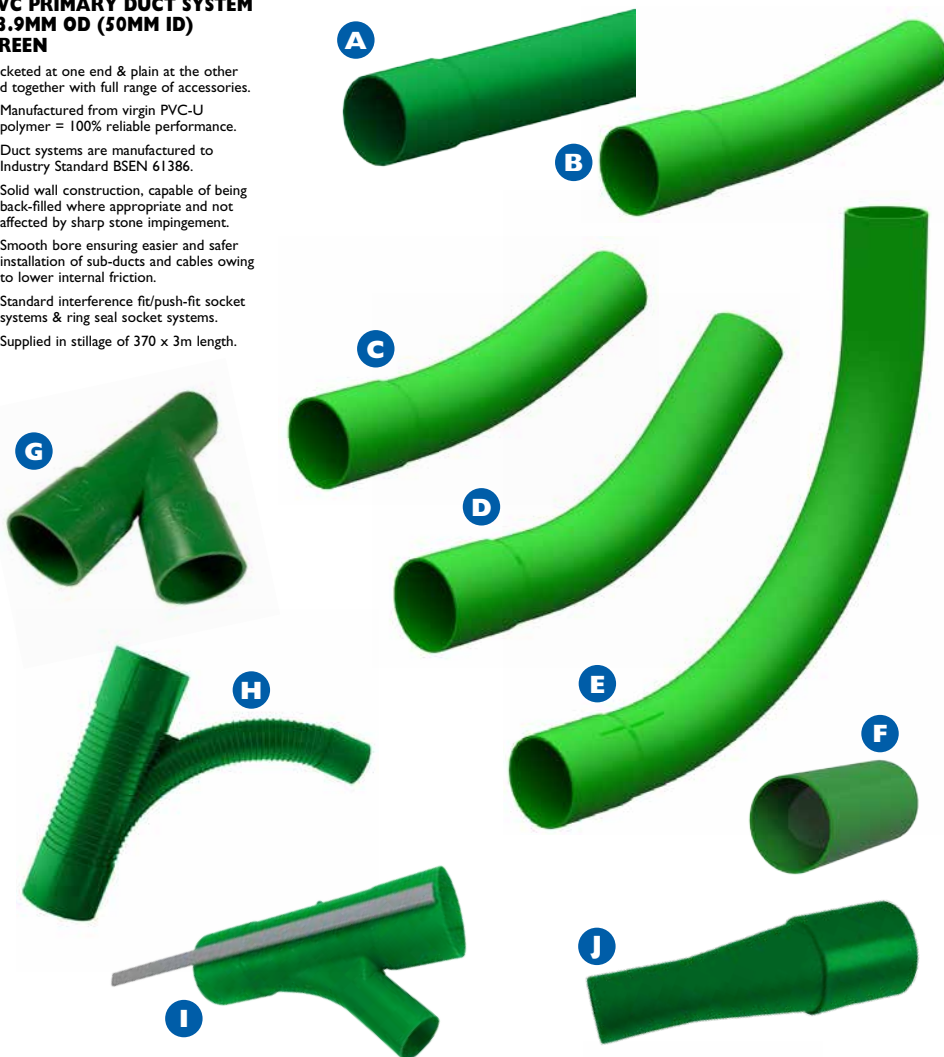
PART NO.	DESCRIPTION
S83-5042	A) GREEN DUCT 53.9MM X 3M LENGTH PK OF 370
S83-5044	B) GREEN 53.9MM 11.25 DEGREE BEND (EACH)
S83-5045	C) GREEN 53.9MM 22.5 DEGREE BEND (EACH)
S83-5049	D) GREEN 53.9MM 45 DEGREE BEND (EACH)
S83-5051	E) GREEN 53.9MM 90 DEGREE BEND (EACH)
S83-5053	F) GREEN 53.9MM CONNECTOR SLEEVE (EACH)
S83-4518	G) GREEN 53.9MM Y BRANCH / DUCT TEE (EACH)
S83-5039	H) GREEN SWEPT TEE 96.5MM TO 53.9MM (EACH)
S83-4516	I) GREEN SPLIT SWEPT TEE 96.5MM TO 53.9MM (EACH)
S83-4514	J) GREEN 96.5MM TO 53.9MM REDUCER (EACH)
S83-3331	K) GLAND CAULKING 3 (EACH)
S83-3333	L) DISC CAULKING NO. 4 (EACH)
S83-4525	M) PLUG DUCT 1A (BLACK FOAM) 53.9MM BAG OF 100

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SPLIT DUCT TO REPAIR DUCT 11 & 12

A) Thick wall rigid PVC in three metre lengths. To be used with Duct Repair Kit 2A for repairing Duct 11 (3" SAD)
Nominal OD: 82.2mm
Nominal ID: 72.6mm
Supplied on a pallet of 216 units
Ref: 095088
Formerly S83-5070

B) Thick wall rigid PVC in three metre lengths. To be used with Duct Repair kit 4A for repairing Duct 12 (4" SAD)
Nominal OD: 107.4mm
Nominal ID: 97.8mm
Supplied on a pallet of 126 units.
Ref: 095087
Formerly S83-5020

PART NO.	DESCRIPTION
S83-5071	A) GREY SPLIT DUCT 59A (PALLET OF 216)
S83-6020	B) GREY SPLIT DUCT 57 (PALLET OF 126)

DUCT REPAIR KITS TO REPAIR DUCT 11 & 12

A) Thick wall rigid PVC in three metre lengths. To be used with Duct Repair Kit 2A for repairing Duct 11 (3" SAD)
Nominal OD: 82.2mm
Nominal ID: 72.6mm
Supplied on a pallet of 216 units
Ref: 095088
Formerly S83-5070

B) Thick wall rigid PVC in three metre lengths. To be used with Duct Repair kit 4A for repairing Duct 12 (4" SAD)
Nominal OD: 107.4mm
Nominal ID: 97.8mm
Supplied on a pallet of 126 units.
Ref: 095087
Formerly S83-5020

PART NO.	DESCRIPTION
S83-0791	DUCT REPAIR KIT 2A FOR REPAIRING DUCT 11 (3" SAD)
S83-0790	DUCT REPAIR KIT 4A FOR REPAIRING DUCT 12 (4" SAD)

FILOSEAL+ HD FIRE DUCT SEALING KIT 75 - 110MM

FiloSeal+HD FIRE provides a strong support system using the fire resistant hexagonal blocks made of specially formulated material called 'Formite' which builds up like a honeycomb structure ideal for sealing empty or any cable configuration of pipes contained in one duct. It also allows easy reentry of the seal to add or remove cables or pipes as required.

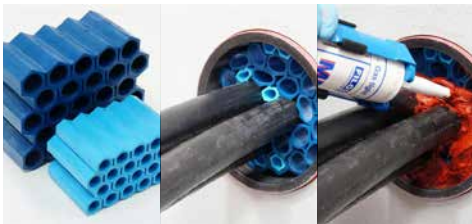Fire resistant - tested to BS EN1366-3 2009.

Supplied in a 310ml Cartridge.

PART NO.	DESCRIPTION
S83-0759	FILOSEAL+ HD FIRE DUCT SEALING 75 - 110ML

FILOSEAL+ HD DUCT SEALING KIT 75-110MM

FiloSeal+HD is an engineered solution that provides a strong support system using hexagonal tubes which build up like a honeycomb structure.

FiloSeal+HD is suitable for sealing any cable configuration or pipes contained in one duct and also allows easy re-entry of the seal to add or remove cables or pipes as it is ideal for sealing larger heavy cables and pipes in ducts, boreholes or transit frames providing up to 2 bar Pressure Resistance 100Kg Pulling Force on the cables when sealed 10xd at 45°, with 1 bar pressure bending test. Supplied in a 310ml Cartridge

PART NO.	DESCRIPTION
S83-0758	FILOSEAL+ HD DUCT SEALING KIT 75-110ML

FILOSEAL+ DUCT SEALING KIT 75 - 125MM

Duct sealing system FiloSeal+ is a universal solution for sealing cables and pipes in ducts or bore holes. FiloSeal+ is suitable for sealing several cables or pipes contained in one duct up to 125mm diameter and also allows re-entry of the seal to add or remove cables or pipes as required.

Supplied in a 310ml Cartridge.

PART NO.	DESCRIPTION
S83-0756	FILOSEAL+ DUCT SEALING KIT 75 - 125MM

FILOSEAL+ DUCT SEALING KIT 150 - 200MM

Duct sealing system FiloSeal+ is a universal solution for sealing cables and pipes in ducts or bore holes. FiloSeal+ is suitable for sealing several cables or pipes contained in one duct up to 200mm dimeter and also allows re-entry of the seal to add or remove cables or pipes as required.

Supplied in a 310ml Cartridge.

PART NO.	DESCRIPTION
S83-0757	FILOSEAL+ DUCT SEALING KIT 150 - 200MM

NOFIRNO DUCT SEALANT KIT 1A

Approved by Openreach the NOFIRNO silicone-based sealant is used for providing new duct seals or maintaining existing seals when adding or removing cables.

It can be used in Exchange Cable Chambers and serving manholes, commercial premises and MDUs with services cupboards or central risers.

- Fire rated version available certified to BS EN1366-3
- Quick and easy to install in both horizontal & vertical ducts
- Resistant to submersion in Petrol and Diesel
- Resistant to Methane, Hydrogen Sulphide and Chlorine
- Ensures WIMES, APEA, ATEX & DSEAR compliance

Ref: 048330

PART NO.	DESCRIPTION
S83-0117	NOFIRNO DUCT SEALANT KIT 1A

A) POLYWATER ZIP SEAL DUCT SEALANT KIT

A Closed-Cell Foam Duct Sealing System for conduit sizes up to 50mm (2 inch). ZipSeal™ Duct Sealant is a practical and efficient way to seal small conduits and communication innerducts.

The revolutionary Zip-Disc™ insert traps and keeps the foaming liquid in its open-cell centre area.

The unique two-part foam installs quickly and effectively.

The innovative design of the Zip-Disc™ insert allows for horizontal and vertical installation with minimal drippage. Cured foam blocks can be removed and re-entered relatively quickly if necessary.

ZipSeal™ Duct Sealant holds up to 10 feet (3.0 m) water-head pressure to keep gases and rodents out of conduits.

B) POLYWATER ZIP SEAL DISPENSING TOOL

Polywater TOOL-50-11 Dispensing Tool for use with S83-7601 Polywater Zip Seal Duct Sealant Kit.

PART NO.	DESCRIPTION
S83-7601	A) POLYWATER ZIP SEAL DUCT SEALANT KIT
S83-7628	B) POLYWATER ZIP SEAL DISPENSING TOOL

POLYWATER FST SEALANT

Polywater FST Sealant is used to protect mission-critical electrical and telecommunication systems from water, gases, and other unwelcome intrusions. The closed-cell, foam sealant technology evenly flows around cables and in conduit space to create a strong bond. It expands and completely cures into a rigid, robust seal without relying on environmental moisture.

Polywater® FST™ foam closed cell duct sealant provides superior pressure-blocking in the toughest environments. It stops water, methane, and other gases and is durable and easy to install.

Supplied in a case of 6 packs.

Each pack contains:

1x 8.5-oz / 240-gm two-part FST™ Foam Sealant caulking tube (cat# FST-250)
3x mixing nozzles
4x 24-in / 61-cm foam damming strips (cat# FST-DAM)
1x 12" abrasive strip
1x pair disposable gloves
1x positioning rod for foam dam
1x pre-treating wipe (cat# HP-P158ID)
1x resealing cap
1x instruction sheet

PART NO.	DESCRIPTION
S83-0400	POLYWATER FST FOAM DUCT SEALANT FST-250KIT

POLYWATER TOOL-250 APPLICATION GUN

Polywater TOOL-250 application gun with anti-drip function which releases the pressure, preventing foam continuing to flow out of the nozzle.
For use with S83-0400 Polywater FST Foam Duct Sealant FST-250KIT

PART NO.	DESCRIPTION
S83-0401	POLYWATER DUCT SEALANT APPLICATION GUN

INFLATABLE AIR BAG 150KG MAX. LOAD - 160 X 160MM

An inflatable air bag which provides a powerful and controlled 150kg lifting pressure. This inflatable bag is ideal for holding cable temporarily in position prior fixing or sealing In addition the inflator bag can be used for many construction tasks when fine levelling, and accurate positioning are required.

The wedge has a 160 x 160mm contact surface. The 2–50mm expansion range allows it to fit in

the smallest of gaps and provide a high level of adjustment.

It also has an internal reinforcement bar to ensure its inflation is rigid and does not fold up in tight places. It is fitted with a high-frequency welded and bonded hose to ensure it will not fail under pressure.

Plus, it has a pressure relief valve to facilitate controlled decompression and height adjustment.

PART NO.	DESCRIPTION
IS00-1005	INFLATABLE AIR BAG 150KG MAX. LOAD - 160 X 160MM

A) TDUX-IT-16 INFLATION TOOL

Inflation Tool for use with TDUX kits. Uses CO_2 Gas Cylinders which contain 16g of CO_2 and can inflate a minimum of 3 TDUX-100 duct seals in vacant ducts. Features an automatic pressure monitoring system to guarantee the required inflation pressure of 3.0 ± 0.2 Bar. Supplied with carry case.

CO_2 Gas Cylinders NOT included.

A

B) TDUX GAS CYLINDER (PK10)

CO_2 Gas Cylinder containing 16g of CO_2. TDUX CO_2 Gas Cylinders are for use with TDUX Duct Inflation Tool.

One gas cylinder will inflate up to three TDUX-100 duct seals installed in an empty duct.

Supplied in box of 10.

B

C

C) TDUX-IG-SR-AS INFLATION GUN

Inflation gun to be connected to a pressurised air bottle, pump or compressor, having an outlet pressure of 4 to 10 bar to feed the inflation gun. The inflation gun is designed with a safety relief valve and audio signal device to facilitate the installation.

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PART NO.	DESCRIPTION
TDUX-IT-16	A) TDUX DUCT INFLATION TOOL
E7512-0160-10	B) TDUX GAS CYLINDERS (PK10)
S83-4742	C) TDUX-IG-SR-AS INFLATION GUN

TDUX KITS

TDUX is a unique inflatable wraparound duct sealing system for permanently sealing telephone cable ducts in order to prevent the leakage of water from the duct into exchange vaults or manholes.

- Suitable for use with plastic, concrete or steel ducting wall feed-through systems.
- Can be used with polyethylene or lead-jacketed cables.
- Duct Inflation Tool required.

Note: TDUX kit will seal vacant ducts and ducts occupied with 1 or 2 cables.

To seal ducts occupied with more than 2 cables, TDUX-CL clips are available as separate items. Call sales for further information.

Features

- Fast and easy to install, even in congested enclosures, requiring only three parts for completion.
- Very flexible and reliable wraparound sealing system.
- Independent of duct or cable ovality
- Can be installed while water is flowing out of the duct.
- Water and airtight up to 50 kPa.
- Environmentally friendly and non-toxic.
- Resistant to chemicals and bacteria.
- Easy and fast removal.

PART NO.	PACK QTY	DUCT INSIDE DIAMETER RANGE		CORRESPONDING OUTSIDE DIA RANGE FOR 1/2 CABLES	
		MIN	MAX	IN MIN. DUCT	IN MAX. DUCT
TDUX-45-INT	10	32.5	45	0-14	0-32
TDUX-60-INT	10	45	60	0-18	0-45
TDUX-75-INT	10	55	75	0-28	0-56
TDUX-90-INT	10	60	100	0-22	0-83
TDUX-100-INT	10	45	110	0-45	0-90
TDUX-125-INT	10	110	125	0-83	0-103

TDUX CLIP SEALS

One TDUX clip seals up to four cables. If more cables are to be sealed, use one extra clip per three additional cables.

Supplied in a packs of 5.

COMMSCOPE®
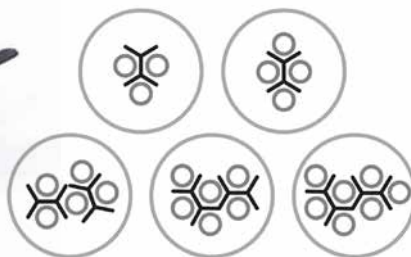
PART NO.	DESCRIPTION
TDUX-CL-20	DUCT CABLE CLIP SIZE 20 PK5
TDUX-CL-40	DUCT CABLE CLIP SIZE 40 PK5
TDUX-CL-60	DUCT CABLE CLIP SIZE 60 PK5
TDUX-CL-80	DUCT CABLE CLIP SIZE 80 PK5

COVER 101A

Cable entry cover for running service cabling into a house or premises. For use with Capping 25 and Connector Bend No. 4.

Dimensions: 105mm x 78mm x 28mm.

Ref: 071987.

Colours: GREY BROWN WHITE

PART NO.	DESCRIPTION
S83-1775	A) COVER 101A - GREY
S83-4748	B) COVER 101A - BROWN
S83-1970	C) COVER 101A - WHITE

CAPPING 25

PVC Capping to protect service cabling between Connector Bend No 4 and Cover 101A.

Length 500mm.

Ref: 072180.

Colours: GREY BROWN WHITE

PART NO.	DESCRIPTION
S83-1779	A) CAPPING 25 - GREY
S83-4749	B) CAPPING 25 - BROWN
S83-1973	C) CAPPING 25A - WHITE

CONNECTOR BEND NO. 4

Connects Duct 102 or Duct 56 to cover 101A on exterior walls, buildings etc.

Ref: 095056.

Colours: GREY BROWN WHITE

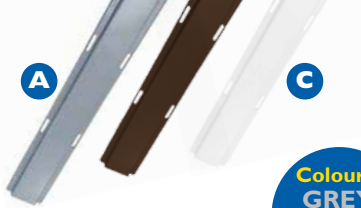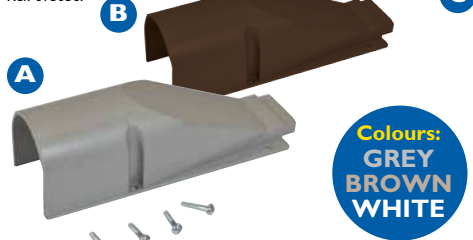| PART NO.	DESCRIPTION
S83-2759	A) CONNECTOR BEND NO. 4 - GREY
S83-4907	B) CONNECTOR BEND NO. 4 - BROWN
S83-1979	C) CONNECTOR BEND NO.4 - WHITE

CABLE ENTRY COVERS

Exterior wall cover for protecting cable entry on external walls. Helps to prevent water ingress especially when drilling has caused the brick to burst. 100mm x 100 mm square. Available in Black, White, Grey and Brown.

Fixed to walls with silicone adhesive or Gripfill.

PART NO.	DESCRIPTION
Q69-1686	A) CABLE ENTRY COVER BLACK
Q69-1687	B) CABLE ENTRY COVER WHITE
Q69-1688	C) CABLE ENTRY COVER GREY
Q69-4088	D) CABLE ENTRY COVER BROWN

CUSTOMER LEAD-IN COVERS AND CONDUIT

A) INTERNAL CUSTOMER LEAD-IN & COVER (WHITE)
Used to cover, control and protect fibre optic cable where it emerges inside the premises. Typically used where the customer box is either outside the premises or not directly opposite where the cable comes through the wall from outside.

Comprising: 1 x CLI and 1 x Internal Cover White. Ref 061825.

B) EXTERNAL CUSTOMER LEAD-IN & COVER (GREY)
Used to cover, control and protect fibre optic cable where it emerges outside the premises. Typically used where the customer box is either outside the premises or not directly opposite where the cable comes through the wall from outside.

Comprising: 1 x CLI and 1 x External Cover Grey.

C) EXTERNAL CUSTOMER LEAD-IN & COVER (BROWN)
Used to cover, control and protect fibre optic cable where it emerges outside the premises. Typically used where the customer box is either outside the premises or not directly opposite where the cable comes through the wall from outside.

Comprising: 1 x CLI and 1 x External Cover Brown.

D) CUSTOMER LEAD-IN CONDUIT 500MM THICK WALL PK10
Used with Internal and External kits (S83-4330, S83-4329 and S83-5084) in situations where the wall is thicker than 300mm. Supplied in a pack of 10. Ref 061827.

PART NO.	DESCRIPTION
S83-4330	A) INTERNAL CUSTOMER LEAD-IN KIT - WHITE
S83-4329	B) EXTERNAL CUSTOMER LEAD-IN KIT - GREY

PART NO.	DESCRIPTION
S83-5084	C) EXTERNAL CUSTOMER LEAD-IN KIT - BROWN
S83-4526	D) CUSTOMER LEAD-IN CONDUIT 500MM THICK WALL PK10
S83-4529	D) CUSTOMER LEAD-IN CONDUIT 300MM THICK WALL PK10

BLOWN FIBRE EXTERNAL CLI BASE & COVER MINI

External cable entry cover with a 30mm bend radius to allow blowing of the fibre after installation. It is for use when a gas block is not required at the customer entry point. It can be used with cable sizes up to 6mm and can be used in conjunction with:
S83-1786 D Tube External Capping.

Comprising:
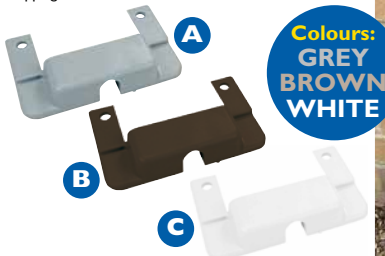1 x External CLI Cover Mini
1 x External CLI Base Mini
2 x screws.

Colours:
GREY
BROWN
WHITE

PART NO.	DESCRIPTION
S83-1777	A) EXTERNAL CLI BASE & COVER MINI - GREY
S83-4909	B) EXTERNAL CLI BASE & COVER MINI - BROWN
S83-1985	C) EXTERNAL CLI BASE & COVER MINI - WHITE

BLOWN FIBRE EXTERNAL CLI CONNECTOR BEND ADAPTOR

FBT0900 - Blown Fibre External CLI Connector Bend Adaptor. Used to connect S83-1786 D Tube External Capping with S83-2759 Connector Bend No.4.

Colours:
GREY
BROWN
WHITE

PART NO.	DESCRIPTION
S83-1781	A) EXTERNAL CLI CONNECTOR BEND ADAPTOR - GREY
S83-4990	B) EXTERNAL CLI CONNECTOR BEND ADAPTOR - BROWN
S83-1991	C) EXTERNAL CLI CONNECTOR BEND ADAPTOR - WHITE

D TUBE EXTERNAL CAPPING

D Tube External Capping connects with S83-1777 Blown Fibre External CLI Base & Cover Mini and S83-1781 Blown Fibre External CLI Connector Bend Adaptor.

Length: 500mm.

Colours:
GREY
BROWN
WHITE

PART NO.	DESCRIPTION
S83-1786	A) D TUBE EXTERNAL CAPPING - GREY
S83-4609	B) D TUBE EXTERNAL CAPPING - BROWN
S83-1969	C) D TUBE EXTERNAL CAPPING - WHITE

NEW SITE CAPPING

Capping to protect service cabling between New Site Connector Bend and either Cover 101A, Blown Fibre External or Hybrid Drop Splice Box.

Length 500mm.

Colours:
GREY
BROWN
WHITE

PART NO.	DESCRIPTION
S83-1783	A) NEW SITE CAPPING - GREY
S83-4903	B) NEW SITE CAPPING - BROWN
S83-1976	C) NEW SITE CAPPING - WHITE

BLOWN FIBRE EXTERNAL CUSTOMER LEAD IN

Comprising:
1 x External CLI Cover
1 x External CLI Base
4 x screws
Ref: 061826.

Colours:
GREY
BROWN
WHITE

PART NO.	DESCRIPTION
S83-1778	A) EXTERNAL CUSTOMER LEAD IN - GREY
S83-4910	B) EXTERNAL CUSTOMER LEAD IN - BROWN
S83-1988	C) EXTERNAL CUSTOMER LEAD IN - WHITE

NEW SITE CONNECTOR BEND

For use outside the premises where cables emerge from under ground and can be used to connect with Duct 102 or Duct 56 and S83-1783.

Ref: 101557.

Colours:
GREY
BROWN
WHITE

PART NO.	DESCRIPTION
S83-1782	A) NEW SITE CONNECTOR BEND - GREY
S83-4908	B) NEW SITE CONNECTOR BEND - BROWN
S83-1982	C) NEW SITE CONNECTOR BEND - WHITE

MILLS 'PSP' INTERNAL HOUSING & MODULAR TERMINATION PRODUCTS

Introducing the Mills 'PSP' Internal Housing and Modular Termination Products designed to be used with existing 86mm single and double gang back boxes and faceplates.

Manufactured from durable and lightweight U PVC, this modular system is exceptionally neat and allows standard back boxes and pattresses to be used, providing a cable management solution with the least of disruption.

Although the Mills 'PSP' system has been developed to support the roll out of fibre to the home, the design allows a full range of copper and general multimedia 25 x 50mm modules to be used.
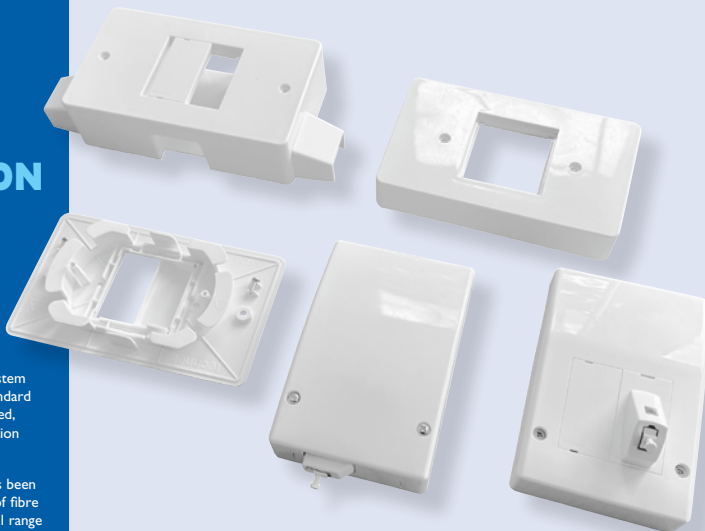
MILLS 'PSP' UNIVERSAL FACEPLATE WITH CABLE MANAGEMENT

Ideal for fixing to 86mm single and double gang back boxes and faceplates (Minimum depth 25mm). This 2 gang faceplate can be used as singular or dual modular outlet or simply for cable management if used with the Mills PSP Cover Box (T70-0602). In addition to the 2 gang fixings holes the faceplate also has provision for 2 further holes allowing the unit to be mounted horizontally or vertically in a 1 gang box. In addition and unlike standard faceplates, the 'PSP' faceplate can be used to mount the modules both vertically and horizontally.

The removable cable management frame is also cable of storing up to 10m of 1mm diameter cable. The Universal Mills 'PSP' Faceplate is supplied with 1 blank modules (T70-6000).
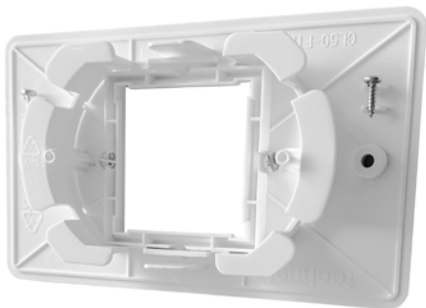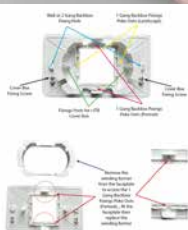
PART NO.	DESCRIPTION
T70-0601	MILLS 'PSP' UNIVERSAL FACEPLATE WITH CABLE MANAGEMENT

MILLS 'PSP' UNIVERSAL COVER BOX

Mills 'PSP' Universal Cover Box neatly fixes to the PSP Universal Faceplate (T70-0601)- providing addition cabling options to include:

• Allowing a 1 gang back box or faceplate to be upgraded to 2 gang (Vertically and Horizontally)
• Discreet Covered Cable Management and Storage
• Presentation of 2 modules

PART NO.	DESCRIPTION
T70- 0602	MILLS 'PSP' UNIVERSAL COVER BOX

MILLS 'PSP' TRANSITION BOX

The Mills 'PSP' Transition is a 2 gang back box for use with 16 x 25mm mini trunking, 20mm conduit, and provides a neat solution to presenting up to 2 modules or for discreet cable management applications.

The transition box has a depth of 44mm and is supplied with a self-adhesive/removable cable management insert for storing up to 10m of 1mm diameter cable, 4 x 20mm conduit/blanking inserts and 2 x 16 x 20mm trunking inserts are also provided.

PART NO.	DESCRIPTION
T70-0610	MILLS 'PSP' TRANSITION BOX

WALL ENTRY HOUSINGS, MODULES & BLANKS

A) Mills 'PSP' Forward Facing - Wall Entry Housing

Quick and easily fixed to a single back box or fixed directly to wall, with provision for two 50mm x 25mm modules.

For a full range of fibre, copper and general multimedia modules please visit millsltd.com

Available in white, supplied with 2 cover screws

Dimensions 129mm Length x 85mm Width and 32mm tapering to 20mm Depth

B) Mills 'PSP' Downward Facing - Wall Entry Housing

Quick and easily fixed to a single back box, with provision for one 50mm x 25mm module at a 45 degree angle.

For a full range of fibre, copper and general multimedia modules please visit millsltd.com

Available in white, supplied with 2 cover screws

Dimensions 129mm Length x 85mm Width and 32mm tapering to 20mm Depth

C) Mills 'PSP' Simplex LC Module (White) Each (with internal safety shutter)

Angled LC/LC simplex fibre module 50 x 25mm

D) Mills 'PSP' Simplex LC Module (Black) Each (with internal safety shutter)

Angled LC/LC simplex fibre module 50 x 25mm

E) Fusion 50 x 25mm Single (White) Pkt 10

F) Fusion 50 x 25mm Single (Black) Each

For a full range of fibre, copper and general multimedia modules please visit millsltd.com

PART NO.	DESCRIPTION
T70-0612	A) MILLS 'PSP' FORWARD FACING - WALL ENTRY HOUSING
T70-0609	B) MILLS 'PSP' DOWNWARD FACING - WALL ENTRY HOUSING
T70-0603	C) MILLS 'PSP' SIMPLEX LC MODULE (WHITE) EACH (WITH INTERNAL SAFETY SHUTTER)
T70-0604	D) MILLS 'PSP' SIMPLEX LC MODULE (BLACK) EACH (WITH INTERNAL SAFETY SHUTTER)
T70-2184	E) FUSION 50 X 25MM SINGLE (WHITE) PKT 10
Q69-9556	F) FUSION 50 X 25MM SINGLE (BLACK) EACH

PRYSMIAN RISER BOX 8 TRAY

The Riser Box Multi Tray (RBMT) is designed for use within apartment blocks and mid/high rise office blocks. The unit houses either 8 splice trays, or 4 splice trays and a module storage area. Each splice tray is able to accommodate 8 fibre splices.

An in-line cable entry port enables the box to be installed onto an in-line riser cable and up to 24 drop ports are available for drop cables of up to 5mm in diameter.

The inner tray module can be moved from left to right enabling the riser cable to be installed into the box on either the left or right hand side.
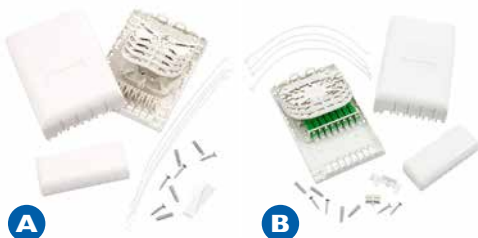
PART NO.	DESCRIPTION
XCPSC01221	PRYSMIAN RISER BOX 8 TRAY

PRYSMIAN RISER BOX (4 AND 8 TRAY)

The Riser Box Multi Tray (RBMT) is designed for use within apartment blocks and mid/high rise office blocks. The unit houses either 8 splice trays, or 4 splice trays and a module storage area.

Each splice tray is able to accommodate 8 fibre splices.

Dimension: (h) 176mm x (w) 130mm x (d) 60mm

PART NO.	DESCRIPTION
XCPSC01159	A) PRYSMIAN RISER BOX 4 TRAY
XCPSC03170	B) PRYSMIAN RISER BOX 8 TRAY

PRYSMIAN CTB MK3

Prysmian CTB MK3 equipped with four pigtails 900 microns G.657.A2 and four SC/APC-SC/APC inner-shuttered adaptors.

The Compact Termination Box MK3 (CTB MK3) is designed for use in residential and business applications for the termination of up to four optical fibres. The wall box enables the termination of a customer drop cable onto SC/APC type pigtails and adaptors.

Dimensions: (l) 80mm x (w) 80mm x (d) 28mm.

PART NO.	DESCRIPTION
XCPSC02857	PRYSMIAN CTB MK3 COMPACT TERMINATION

PRYSMIAN HDB4 HYBRID DROP SPLICE BOX

The Hybrid Drop Box (HDB4) is a wall mounted product used for the splicing of up to 4 fibres and up to four customer drop cables.

The HDB4 can accommodate cables from 3 to 7 mm and is supplied with an extra knock-out port on the back for through wall applications.

Dimensions: (h)190mm x (w)110mm x (d)40mm.

Available in 3 options;

A) XCPSC03029 Prysmian HDB4 Hybrid Drop Box Splice Only
B) XCPSC03044 Prysmian HDB4 Hybrid Drop Box 2x LC/APCDuplex
C) XCPSC03043 Prysmian HDB4 Hybrid Drop Box 2x SC/APC Simplex

PART NO.	DESCRIPTION
XCPSC03029	A) HDB4 HYBRID DROP BOX SPLICE ONLY
XCPSC03044	B) HDB4 HYBRID DROP BOX 2X LC/APC DUPLEX
XCPSC03043	C) HDB4 HYBRID DROP BOX 2X SC/APC SIMPLEX

PRYSMIAN FLEXIBOX TERMINATION BOX 24SCA

The Flexi-termination box has been designed for internal/external use with up to 8 splice trays, an oval port and up to 48 inputs for up to 48 pre-terminated cables.

Flexibox termination box 24SCA with pigtails, 48 splices, internal with security lock, loop storage, entry system B

Dimensions: (h) 345mm x (w) 272mm x (d) 105mm

PART NO.	DESCRIPTION
XCPSC04097	PRYSMIAN FLEXIBOX TERMINATION BOX 24SCA

PRYSMIAN COMPACT TERMINATION BOX CTB LITE 2F

The Compact Termination Box Lite (CTB Lite) is designed for use in residential and business applications for the termination of up to two optical fibres. The wall box enables the termination of a customer drop cable onto SC/APC type pigtails and adaptors. The unit is supplied with two fixing screws for mounting directly onto a wall.

Dimensions: (l) 80mm x (w) 80mm x (d) 26mm

PART NO.	DESCRIPTION
XCPSC03131	PRYSMIAN COMPACT TERMINATION BOX CTB LITE 2F

PRYSMIAN DISTRIBUTION WALL BOXES

Available in 3 sizes:

A) Prysmian SDWB Small Distribution Wall Box 220 x 150 x 50mm

The Small Distribution Wall box is a wall mounted product used for the distribution of fibres to up to six customer drop cables. Each customer has an individual splice tray that can house up to four splices. Customer drop cables of 3 to 6mm can be distributed from the box.

B) Prysmian MDWB Medium Distribution Wall Box 307 x 400 x 131mm

The unit has a capacity of up to 168 fibre splices and can accommodate input cables of both butt and inline types.

Up to thirty two customer drop cables of 3-6mm in diameter, and four customer drop cables of 6-12mm in diameter, can be distributed from the box.

C) Prysmian LDWB Large Distribution Wall Box 320 x 410 x 115mm

The unit has a capacity of up to 240 fibre splices and can accommodate input cables of butt, loop and inline types.

Up to 48 customer drop cables of 3-6mm in diameter and 8 customer drop cables of 6-12mm in diameter can be distributed from the box.

PART NO.	DESCRIPTION
XCPSC01915	SDWB SMALL DISTRIBUTION WALL BOX 220 X 150 X 50MM
XCPSC03104	MDWB MEDIUM DISTRIBUTION WALL BOX 307 X 400 X 131MM
XCPSC01917	LDWB LARGE DISTRIBUTION WALL BOX 320 X 410 X 115MM

PRYSMIAN FLEXIBOX SPLICE ONLY BOX WITH SECURITY LOCK 144F

The splice only Flexibox is a wall box designed for internal/external use with up to 12 splice trays and up to 8 individual inputs for up to 24 cables.

Each splice tray is able to accommodate up to 24 fibre splices and the box has an excess storage or loop storage area.

The Flexibox is available with a lock for security and also has a removable cover for extra access whilst splicing and routing fibres.

Dimensions:
(h) 345mm x
(w) 272mm x
(d) 105mm.

PART NO.	DESCRIPTION
XCPSC03955	PRYSMIAN FLEXIBOX SPLICE ONLY BOX WITH SECURITY LOCK 144F

PRYSMIAN CASALINK CTB EXTERNAL CUSTOMER TERMINATION BOX MK1

The CTB External Customer Termination Box is a wall mounted IP55 sealed product that can be used for splicing the CBT drop cable to the Internal External cable that enters the house. The kit comprises:

- 4 x SE Splice Trays
- 1 x Wall Fixing Kit
- 2 x Drop Sealing Grommet.
- 3 x Cable Ties
- 1 x M20 Entry Cable Gland 4-9mm
- 1 x Aerial Cable Locking Kit

PART NO.	DESCRIPTION
XCPSC03744	PRYSMIAN CASALINK CTB EXTERNAL CUSTOMER TERMINATION BOX MK1

PRYSMIAN COMPACT TERMINATION BOX PRE-TERMINATED SC/APC 2

The Pre-terminated Compact Termination Box MK3 (CTB MK3) kit for internal cables is designed for use in residential and business applications.

The wall box is supplied on a cardboard reel with a length of cable preinstalled in the factory. This process eliminates the need for splicing or fitting field mount connectors in the customer premises.

The cable is simply pulled out of the box, back to the floor/riser box and the CTB MK3 can be secured to the wall or clipped on a DIN rail, without the need to open the unit.

Dimensions: (l) 80mm x (w) 80mm x (d) 28mm.

Available in 2 and 4 fibre options and in a choice of cable length.

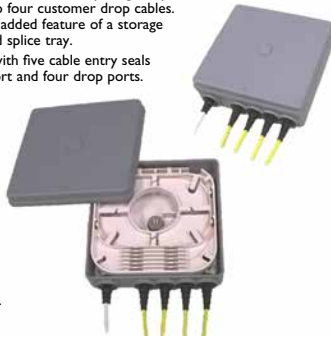| PART NO.	DESCRIPTION
XCPSC02866	CTB PRE-TERMINATED SC/APC 2 FIBRE 30M
XCPSC02946	CTB PRE-TERMINATED SC/APC 2 FIBRE 50M
XCPSC02977	CTB PRE-TERMINATED SC/APC 4 FIBRE 30M
XCPSC02978	CTB PRE-TERMINATED SC/APC 4 FIBRE 50M
XCPSC03273	CTB PRE-TERMINATED SC/APC 2 FIBRE 70M
XCPSC03155	CTB PRE-TERMINATED SC/APC 4 FIBRE 70M

PRYSMIAN SMALL EXTERNAL SPLICE BOX ECSB4

The External Customer Splice Box (ECSB4) is a wall mounted product used for the splicing of up to 12 fibres and up to four customer drop cables. The box also has the added feature of a storage area under the hinged splice tray.

The box is supplied with five cable entry seals for the input cable port and four drop ports.

The box can accommodate cables from 2 to 7 mm. The box is supplied with an extra knock-out port on the back for through wall applications.

Dimensions:
(w) 105mm x (h) 105mm x (d) 33mm. (allow further 20mm height for grommets).

PART NO.	DESCRIPTION
XCPSC02944	PRYSMIAN SMALL EXTERNAL SPLICE BOX ECSB4

MILLS 'PSP' SIMPLEX LC MODULES WITH INTERNAL SAFETY SHUTTER

Angled LC/LC simplex fibre module 50 x 25mm.

A **B**

PART NO.	DESCRIPTION
T70-0603	A) MILLS 'PSP' SIMPLEX LC MODULE WITH INTERNAL SAFETY SHUTTER - WHITE
T70-0604	B) MILLS 'PSP' SIMPLEX LC MODULE WITH INTERNAL SAFETY SHUTTER - BLACK

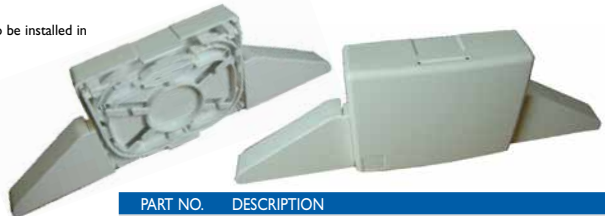## PRYSMIAN VERTICASA INTERNAL TRANSITION BOX (ITB) 12/24F

The Verticasa In-line Transition Box (ITB), is mainly used for Multi Dwelling Units (MDU's) or office fibre cabling systems. It is a compact splicing box enabling the splicing of up to 4 drop cables to a main in-line cable. The ITB houses a single splicing tray. It is available in two versions, one for 12 and 24 fibre Verticasa cables and one for 48 fibre Verticasa cables.

Features:
• Allows splicing from cables to cables.
• 12/24 fibre version is suitable for one inline cable of up to 12.5mm in diameter. The 48 fibre version is suitable for one inline cable of up to 15mm in diameter.
• Up to 4 drop cables can be spliced to the in-line cable.
• The compact dimensions 100 x 80 x 32mm allow the unit to be installed in the network where access is restricted: riser, duct, etc...
• The cable entries are suitable for 5mm drop tubes or standard cables from 2.5 to 5 mm OD.
• Up to 4 fusion splices or two mechanical splices can be accommodated into the splice tray.
• Cable management within the unit ensures the minimum 20mm bend radius for optical fibre is not exceeded.
• Easily installed and fitted to the wall or inside a riser.
• Input/output cables are secured at the cables entry levels.
• Manufactured from fire resistant UL94-V0 rated material.

Specifications:
• Maximum number of splices: 2 mechanical, 4 fusion
• Number of cable ports: 1 Input Cable - 4 Output Cables
• Maximum cable diameter (mm): 12.5 mm (12/24F), 15.0mm (48F)
• Required space envelope (mm): (L) 100 x (W) 80 x (D) 32
• Operating temperature: -20°C to + 50°C (5 to 95% RH)
• Material Internal Unit:
  - Cover: FR ABS - White RAL 9016
  - Base: FR ABS – White RAL 9016

Prysmian Group

PART NO.	DESCRIPTION
XCPSC00523	PRYSMIAN VERTICASA INTERNAL TRANSITION BOX (ITB) 12/24F

HELLERMANNTYTON FIBRE BROADBAND EXTENSION KIT 30M

The Fibre Broadband Extension Kit solution has been designed to provide the property owner flexibility with positioning of the broadband router while simultaneously offering quick and easy installation for the fibre engineer or property developer.

HellermannTyton

Features:
• 30m length provides Router location flexibility within the property.
• Pre-terminated fibre connector for quick and easy connection
• 600µm fibre allows for cable runs to be almost invisible
• Fibre management kit provides protection for corners and edges
• Low profile outlet fits in with any home or office environment
• Minimal tools required with all fixings included
• 30mm minimum bend radius
• Integrated safety features – restricts removal of connectors/adaptors
• V0 rated

A **B** **C** **D**
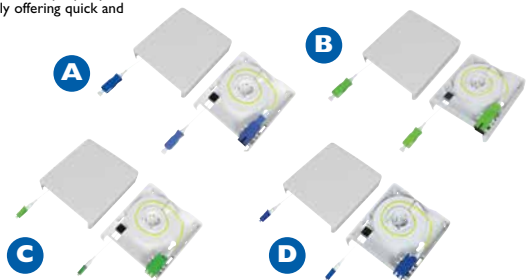
PART NO.	DESCRIPTION
T70-0055	A) HELLERMANTYTON FIBRE BROADBAND EXTENSION KIT 30M WITH SC/PC ADAPTORS
T70-0056	B) HELLERMANTYTON FIBRE BROADBAND EXTENSION KIT 30M WITH SC/APC ADAPTORS
T70-0057	C) HELLERMANTYTON FIBRE BROADBAND EXTENSION KIT 30M WITH LC/APC ADAPTORS
T70-0058	D) HELLERMANTYTON FIBRE BROADBAND EXTENSION KIT 30M WITH LC/PC ADAPTORS

PRYSMIAN INTERNAL / EXTERNAL COMPACT TERMINATION WALL BOX

The Internal / External Compact Termination Wall Box is designed for use in residential, small and large businesses premises.

Features:

- Termination Box can be mounted internally or externally and is sealed to IP54.
- Removable cover for easy access and fitted with a lock for enhanced security. The unit can be supplied with a keyed lock or a plastic lock which can be turned with a screwdriver.
- Unit manufactured from UV stabilised fire resistant UL94-V0 material allowing external installation.
- Single hinged splice tray enables access for working. The splice tray is supplied with interchangeable inserts and can accommodate up to 8 fusion splice protectors of heat shrink or crimp type, or 8 mechanical splices.
- Customer drop cables (patch cords) exit from the bottom of the unit and are sealed using a split grommet. Drop cables can also be routed through the wall.
- Up to 4 SC type pigtails and adaptors or 8 LC type pigtails and adaptors can be accommodated. A splice only version is also available.
- All fibres are positively bend managed to a 30mm minimum bend radius.
- External input cable enters the unit from the bottom. Cable up to 11mm in diameter can be accommodated.
- For Blown Fibre applications a gas block connector can be housed within the box.
- A knock out is provided in the base of the unit for applications where the customer drop patch cords are required to be routed through the wall into the premises.

Prysmian Group

Available in multiple configurations including keyed lock and splice only options:
• SC/APC, SC/UPC up to 4x pigtails and adaptor types
• LC/APC, LC/APC up to 8x pigtails and adaptor types

PRYSMIAN CTP CUSTOMER TERMINATION POINT

The Customer Termination Point has been designed and developed to accommodate the easy connection of a customer.

The CTP can be used for fibre to the premise applications with an integral splicing area as well as positions for up to 2 SC Simplex or LC Duplex adaptors.

It is wall mountable with entry positions for input/output cables on the bottom with two additional through-the-wall holes.

The CTP has provision for excess storage of up to 10m of 3mm cables, as well as up to 25m* of blown fibre units up to 1.25mm and also allows separation of an incoming and outgoing cable for ease of access.

Design and Construction

- Compact design.
- Stores up to 10m of 3mm cable, 25m* of blown fibre
- Supports blown fibre/fixed cable access via UG , external or internal duct
- Single person installation
- IP55 rated
- Moulded and assembled in the UK
- Available in black, grey and brown

Prysmian Group

Available in multiple configurations including:
• Splice only option
• Grey, black or brown colour
• External drop / connectorised through wall
**• SCA, SCU, LCA, LCU simplex adaptor types**

HELLERMANNTYTON FIBRE WALL OUTLET (FWOA-AXW21-010/WH)

A wall-mounted fibre optic outlet with a pre-terminated connection cable provides an internal connection point in the end-user's house or apartment.

The pre-terminated cable allows the installer to complete all splicing of fibre cable away from the customer premises.

It is supplied with a 2-fibre G657.A1 10m cable that has been pre-terminated with a single LC-APC connector and the outlet comes fitted with a duplex LC -APC adaptor. Other lengths are available upon request.

Fibre management features ensure a minimum bend radius of 30mm is maintained as the bare fibre is routed through the outlet and strain relief and anchor points secure the incoming cable.
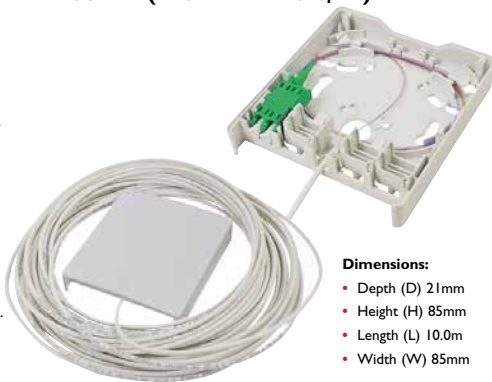
- 1 x LC DX APC Adaptor (fitted)
- 1 x 10m 2 fibre pre-terminated with 1 x LC APC connector to bare end cable
- Cable entry through base
- Accommodates upto 4 splice protectors (upto 45mm)
- Install directly on the wall or onto a flush-mount back box, cable entry through base
- Tamper-proof latches

Dimensions:
- Depth (D) 21mm
- Height (H) 85mm
- Length (L) 10.0m
- Width (W) 85mm

HellermannTyton

PART NO.	DESCRIPTION
FWOA-AXW21-010/WH	FIBRE WALL OUTLET

HELLERMANNTYTON CUSTOMER CONNECTION POINT (CCPA-M111LP/BK-0)

The Customer Connection Point closure has been designed to be used as an external building entry point.

The closure can be wall/facade mounted or put in to a buried chamber (located at the property boundary or just outside the point of access) providing an external building entry point and network test point.

The unit is supplied with 1 x LC-PC Duplex and 1 LC-PC Pigtail and provides splice management for 2 x 3A or 2 x ANT splices.

The closure has 2 separate cable access points which are sealed with a silicon cable entry kit (cable diameter range 4.6mm - 5.6mm) to maintain the IP68 rating.

A gortex breather membrane is fitted to the lid to prevent condensation forming in the base of the closure.

Internal fibre management features ensure that a 30mm minimum bend radius is maintained within the closure and provides fibre storage capacity for any excess fibre.

HellermannTyton

- 1 x LC PC Duplex Adaptor and 2 x LC PC Pigtails
- Fibre management for 2 x 3A or 2 x ANT splices
- Integral positive fibre management and fibre storage capacity
- Separate inbound/outbound access points
- Fully detachable snap on lid
- IP68/IK08 Rated

PART NO.	DESCRIPTION
CCPA-M111LP/BK-0	CUSTOMER CONNECTION POINT

HELLERMANNTYTON CUSTOMER CONNECTION ENCLOSURE (CCE-A11121A11/BK)

The Customer Connection Enclosure (CCE) has been designed to be used as an external building entry point. The closure can be wall mounted providing a fibre termination and external network test point. The CCE has been designed to be the same size as a 'Brick Blow-Out Cover' to cover any unsightly damage caused by drilling.

It is supplied with 1 x LC-APC Duplex adaptor and features fibre management for 4 x 3A splices.

The closure has 6 entry/exit ports at the bottom of the closure which are suitable for cables and ducts up to a maximum diameter of 8.5mm. A loop through facility allows for single fibre elements to be removed and spliced whilst the remaining fibres can be fed onto the next connection point.

A single port in the rear of the closure allows for fibre to be passed through the wall into the customer premises. Mechanical fixing is provided to secure all incoming/outgoing cables/blown fibre ducts and to provide strain relief where necessary.

HellermannTyton

PART NO.	DESCRIPTION
CCE-A11121A11/BK	CUSTOMER CONNECTION ENCLOSURE

HELLRMANN TYTON S1SERIES MDU/MBU ENCLOSURE

Designed for deployment within the last mile of the FTTx network. This enclosure can be used within a Point to Point (P2P) or Point to Multi Point (P2MP) network with the addition of PLC splitters, connectorised or bare end, pigtails and adaptors.

- 8 LC-APC Simplex Adaptors and Pigtails
- 2 Inbound/8 Outbound ports
- Separation of inbound fibre from connectorised drop cables
- Positive fibre management to maintain consistent 30mm minimum bend
- PLC splitter accommodation (60mm x 7mm x 4mm)
- Supports 3A splice protector types
- IP55/IK08 & UV Stable

The enclosure has 3 separate management areas for inbound cable, fibre splice management and drop cable (customer connection) management.

The inbound cable management area has a dedicated cable entry port which supports both cable end and mid-span applications with loop storage capacity for up to 1.5 m of excess fibre and the entry port is sealed with a cable entry kit (cable diameter 10mm - 15mm) to maintain the IP55 rating.

HellermannTyton

PART NO.	DESCRIPTION
MDU-S1-01LC08RA1	S1 SERIES MDU/MBU ENCLOSURE

HELLRMANN TYTON S3 SERIES MDU/MBU ENCLOSURE

Designed for deployment within the last mile of the FTTx network. This enclosure can be used within a Point to Point (P2P) or Point to Multi Point (P2MP) with the addition of PLC splitters, connectorised or bare end, pigtails and adaptors. The S3 enclosure is configured with the HellermannTyton 250 µm IR Management System. The management system accommodates 4 SC-B R trays giving a maximum of 48 3A fibre splices and 3 PLC splitters. The position of the fibre management system allows for easy access for the routing of fibre onto the trays.

- 8 LC-APC Simplex Adaptors and Pigtails
- Maximum 96 Fibre Splices
- 250 µm IR Angled Fibre Management System with provision for 3 PLC Splitters
- 8 SC-B IR Trays
- 3 x Entry/Exit Port Blanks
- Loop Storage Basket
- Strength Member Anchor
- In-built spirit level
- IP54/IK08 & UV Stable

Fibre slot retaining blocks guide the fibre elements onto the IR system; the foam pad on the retainer is partially cut through to accommodate a range of fibre counts.

All IR system cover plates are coloured blue identifying them as removable parts allowing access to the fibre; the fibre retaining block and tray retaining clips are coloured red to aid in identification if they are dropped. A loop storage basket provides space for the storage of fibre loops.

Designed with 7 input/output ports, 3 across the bottom, 2 on the top and 1 on each side, each port will accommodate a 20 mm cable gland.

A 100 x 25 mm inset position on the front cover allows for a customer logo to be moulded in to the enclosure.

HellermannTyton

PART NO.	DESCRIPTION
MDU-S3-BXN1	S3 SERIES MDU/MBU ENCLOSURE

HELLRMANN TYTON S5 SERIES MDU/MBU ENCLOSURE

Designed for deployment within the last mile of the FTTx network. This enclosure can be used within a Point to Point (P2P) or Point to Multi Point (P2MP) with the addition of PLC splitters, connectorised or bare end, pigtails and adaptors. The S5 enclosure is configured with the HellermannTyton 250 µm IR Management System.

The management system is mounted on an aluminium backplane which accommodates 36 SC-B trays giving a maximum of 432 3A fibre splices.

- Maximum 432 Fibre Splices
- 250 µm IR Fibre Management System
- 36 SC-B Trays
- 2 Loop Storage Managers
- 4 x Entry/Exit Port Blanks
- Strength Member Anchor
- In-built spirit level
- IP54/IK08 & UV Stable

The position of the fibre management system allows for easy access for the routing of fibre onto the trays.

The trays and fibre optic routing modules are white which makes it easy to see the colour of the fibre elements as they are routed through the positive fibre management system.

Designed with 8 dual input/output ports, 4 across the bottom, 2 on the top and 2 on each side, each port will accommodate a 20 or 25 mm cable gland.

A 100 x 25 mm inset position on the front cover allows for a customer logo to be moulded into the enclosure.

HellermannTyton

PART NO.	DESCRIPTION
MDU-S5-LLXN	S5 SERIES MDU/MBU ENCLOSURE

FIBRE OPTIC CABLE CUT TO LENGTH

Mills now hold extensive stock of internal/external grade O3, OM4 and OS2 fibre in 4 to 24 core Tight Buffered and Loose Tube constructions at our warehouse.

We can cut to your desired length, spool on to a drum and deliver next day. Singlemode cable available upon request.

Priced per metre. Non returnable and non-refundable once cut. Minimum order quantity 50m. Singlemode, Armoured and Zipcord cables are available upon request. Please call sales for details.

IN STOCK NOW FOR NEXT DAY DELIVERY!
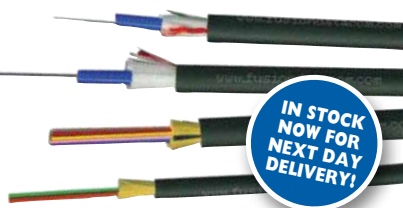
PART NO.	DESCRIPTION			PART NO.	DESCRIPTION		
T70-4214	4 CORE OM3	50/125μ	LOOSE TUBE	T70-4254	4 CORE OM4	50/125μ	TIGHT BUFFERED
T70-4215	8 CORE OM3	50/125μ	LOOSE TUBE	T70-4255	8 CORE OM4	50/125μ	TIGHT BUFFERED
T70-4230	12 CORE OM3	50/125μ	LOOSE TUBE	T70-4256	12 CORE OM4	50/125μ	TIGHT BUFFERED
T70-4231	24 CORE OM3	50/125μ	LOOSE TUBE	T70-4257	24 CORE OM4	50/125μ	TIGHT BUFFERED
T70-4250	4 CORE OM4	50/125μ	LOOSE TUBE	T70-5075	4 CORE OS2 S/MODE	50/125 (PER METRE)	LOOSE TUBE
T70-4251	8 CORE OM4	50/125μ	LOOSE TUBE	T70-5076	8 CORE OS2 S/MODE	50/125 (PER METRE)	LOOSE TUBE
T70-4252	12 CORE OM4	50/125μ	LOOSE TUBE	T70-5077	12 CORE OS2 S/MODE	50/125 (PER METRE)	LOOSE TUBE
T70-4253	24 CORE OM4	50/125μ	LOOSE TUBE	T70-5078	24 CORE OS2 S/MODE	50/125 (PER METRE)	LOOSE TUBE
T70-4220	4 CORE OM3	50/125μ	TIGHT BUFFERED	T70-5079	4 CORE OS2 S/MODE	50/125 (PER METRE)	TIGHT BUFFERED
T70-4221	8 CORE OM3	50/125μ	TIGHT BUFFERED	T70-5080	8 CORE OS2 S/MODE	50/125 (PER METRE)	TIGHT BUFFERED
T70-4236	12 CORE OM3	50/125μ	TIGHT BUFFERED	T70-5081	12 CORE OS2 S/MODE	50/125 (PER METRE)	TIGHT BUFFERED
T70-4237	24 CORE OM3	50/125μ	TIGHT BUFFERED	T70-5082	24 CORE OS2 S/MODE	50/125 (PER METRE)	TIGHT BUFFERED

PRE-TERMINATED CABLE ASSEMBLIES

Our pre-terms are normally available within 3 working days in a wide variety of cable constructions and connector terminations.

Standard Configurations:

- Includes a pulling sock similar to the one shown in the image
- Supplied on a cable drum for quick installation.
- Labelling options are available, please specify your requirements at time of order
- All fan out pre-terms are supplied with a 1 metre breakout configuration
- All pre-terms are serial numbered

RING SALES FOR MORE DETAILS

MILLS CABLE LUBRICANT

The Mills range of cable lubricants has been designed for the telecoms industry and most specifically for blowing or pulling fibre optic cables. These lubricants are available for all sizes of general ducting and microducts and provide maximum friction reduction, reducing the risk of cable damage.

A

B

C

D

E

A) Mills Fibre Blowing Subduct Lubricant 0.95 Litre

A specialist cable blowing lubricant for general fibre blowing applications as well as subduct relining.

B) Mills Fibre Blowing Microduct Lubricant 1 Litre

A specialist cable blowing lubricant more concentrated than the Mills Fibre Blowing Subduct lubricant (S27-1960, S27-1961) and designed for use with microducts.

C) Mills Optic Cable Pulling Lubricant 20 Litre

Mills Optic Cable Pulling lubricant is a water-based thin semi gel cable installation lube for fibre cable pulling operations. It is ideal for pulling both fibre optic cables and sub ducts, eliminating up to 80% friction.

D) Mills Fibre Blowing Subduct Lubricant 3.8 Litre

A specialist cable blowing lubricant for general fibre blowing applications as well as subduct relining massively reducing frictional drag during the blowing of fibre optical cable into the duct whilst increases the length of cable that can be blown.

E) Cable Lubricant 2A with Micro Beads 20 Litres

Approved to BT Specification MAT 138C Emulsion based with silicone this product is specially formulated with added micro beads to reduce pulling friction by up to 70%.

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
S27-1960	A) MILLS FIBRE BLOWING SUBDUCT LUBRICANT 0.95 LITRE	S27-1961	D) MILLS FIBRE BLOWING SUBDUCT LUBRICANT 3.8 LITRE
S27-1963	B) MILLS FIBRE BLOWING MICRODUCT LUBRICANT 1 LITRE	S27-2665	E) CABLE LUBRICANT 2A WITH MICRO BEADS 20 LITRES
S27-1959	C) MILLS OPTIC CABLE PULLING LUBRICANT 20 LITRE		

LC-LC MULTIMODE DUPLEX PATCH CORDS

Available in OM1 (62/125µM), OM3 (50/125µM),
OM4 (50/125µM) & OM5 (50/125µM)

NEW OM5 VERSIONS

PART NO.	DESCRIPTION
T70-2334	1M LC-LC DUPLEX OM1 (62/125µM)
T70-2335	2M LC-LC DUPLEX OM1 (62/125µM)
T70-2336	3M LC-LC DUPLEX OM1 (62/125µM)
T70-0097	5M LC-LC DUPLEX OM1 (62/125µM)
T70-0098	10M LC-LC DUPLEX OM1 (62/125µM)
T70-0099	1M LC-LC DUPLEX OM3 (50/125µM)
T70-0100	2M LC-LC DUPLEX OM3 (50/125µM)
T70-0101	3M LC-LC DUPLEX OM3 (50/125µM)
T70-0102	5M LC-LC DUPLEX OM3 (50/125µM)
T70-0103	10M LC-LC DUPLEX OM3 (50/125µM)
T70-5500	1M LC-LC DUPLEX OM4 (50/125µM)
T70-5501	2M LC-LC DUPLEX OM4 (50/125µM)
T70-5502	3M LC-LC DUPLEX OM4 (50/125µM)
T70-5503	5M LC-LC DUPLEX OM4 (50/125µM)
T70-5504	10M LC-LC DUPLEX OM4 (50/125µM)
T70-0434	1M LC-LC DUPLEX OM5 (50/125µM)
T70-0437	2M LC-LC DUPLEX OM5 (50/125µM)
T70-0448	3M LC-LC DUPLEX OM5 (50/125µM)
T70-0453	5M LC-LC DUPLEX OM5 (50/125µM)
T70-0462	10M LC-LC DUPLEX OM5 (50/125µM)

LC-SC MULTIMODE DUPLEX PATCH CORDS

Available in OM1 (62/125µM), OM3 (50/125µM),
OM4 (50/125µM) & OM5 (50/125µM)

NEW OM5 VERSIONS

PART NO.	DESCRIPTION
T70-2265	1M LC-SC DUPLEX OM1 (62/125µM)
T70-2266	2M LC-SC DUPLEX OM1 (62/125µM)
T70-2267	3M LC-SC DUPLEX OM1 (62/125µM)
T70-0106	5M LC-SC DUPLEX OM1 (62/125µM)
T70-0107	10M LC-SC DUPLEX OM1 (62/125µM)
T70-0108	1M LC-SC DUPLEX 50/125µM (OM3)
T70-0109	2M LC-SC DUPLEX 50/125µM (OM3)
T70-0110	3M LC-SC DUPLEX 50/125µM (OM3)
T70-0111	5M LC-SC DUPLEX 50/125µM (OM3)
T70-0112	10M LC-SC DUPLEX 50/125µM (OM3)
T70-5505	1M LC-SC DUPLEX OM4 (50/125µM)
T70-5506	2M LC-SC DUPLEX OM4 (50/125µM)
T70-5507	3M LC-SC DUPLEX OM4 (50/125µM)
T70-5508	5M LC-SC DUPLEX OM4 (50/125µM)
T70-5509	10M LC-SC DUPLEX OM4 (50/125µM)
T70-0774	1M LC-SC DUPLEX OM5 (50/125µM)
T70-0793	2M LC-SC DUPLEX OM5 (50/125µM)
T70-0794	3M LC-SC DUPLEX OM5 (50/125µM)
T70-0795	5M LC-SC DUPLEX OM5 (50/125µM)
T70-0796	10M LC-SC DUPLEX OM5 (50/125µM)

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SC-SC MULTIMODE DUPLEX PATCH CORDS

Available in OM1 (62/125µM), OM3 (50/125µM),
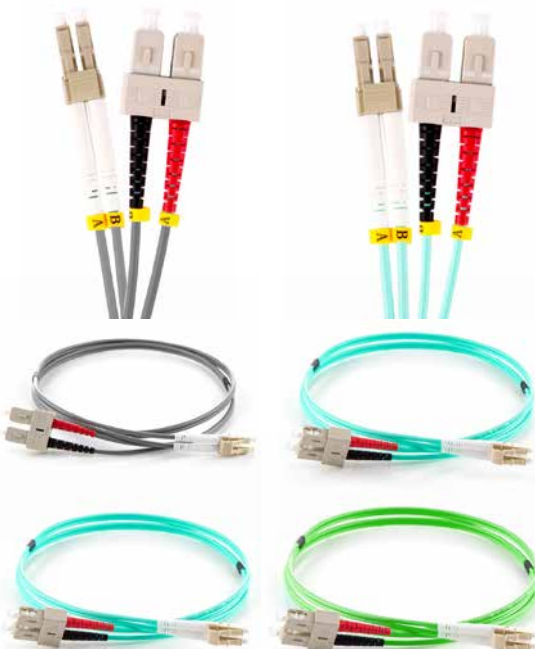OM4 (50/125µM) & OM5 (50/125µM)

FIBRE FACT:

OM1 patch cords are used in legacy 1000Base-X networks common in LAN applications with LED based equipment

NEW OM5 VERSIONS

PART NO.	DESCRIPTION
T70-2235	1M SC-SC DUPLEX OM1 (62/125µM)
T70-2236	2M SC-SC DUPLEX OM1 (62/125µM)
T70-2237	3M SC-SC DUPLEX OM1 (62/125µM)
T70-2238	5M SC-SC DUPLEX OM1 (62/125µM)
T70-2239	10M SC-SC DUPLEX OM1 (62/125µM)
T70-0071	1M SC-SC DUPLEX OM3 (50/125µM)
T70-0072	2M SC-SC DUPLEX OM3 (50/125µM)
T70-0073	3M SC-SC DUPLEX OM3 (50/125µM)
T70-0074	5M SC-SC DUPLEX OM3 (50/125µM)
T70-0075	10M SC-SC DUPLEX OM3 (50/125µM)
T70-5515	1M SC-SC DUPLEX OM4 (50/125µM)
T70-5516	2M SC-SC DUPLEX OM4 (50/125µM)
T70-5517	3M SC-SC DUPLEX OM4 (50/125µM)
T70-5518	5M SC-SC DUPLEX OM4 (50/125µM)
T70-5519	10M SC-SC DUPLEX OM4 (50/125µM)
T70-0833	1M SC-SC DUPLEX OM5 (50/125µM)
T70-0840	2M SC-SC DUPLEX OM5 (50/125µM)
T70-0844	3M SC-SC DUPLEX OM5 (50/125µM)
T70-0846	5M SC-SC DUPLEX OM5 (50/125µM)
T70-0852	10M SC-SC DUPLEX OM5 (50/125µM)

ST-SC MULTIMODE DUPLEX PATCH CORDS

Available in OM1 (62/125µM), OM3 (50/125µM),
OM4 (50/125µM) & OM5 (50/125µM)

FIBRE FACT:

OM3 fibre is optimised for laser based equipment and is most commonly used to deliver 10 Gigabit Ethernet at lengths up to 300 meters.

NEW OM5 VERSIONS

PART NO.	DESCRIPTION
T70-2245	1M ST-SC DUPLEX OM1 (62/125µM)
T70-2246	2M ST-SC DUPLEX OM1 (62/125µM)
T70-2247	3M ST-SC DUPLEX OM1 (62/125µM)
T70-2248	5M ST-SC DUPLEX OM1 (62/125µM)
T70-2249	10M ST-SC DUPLEX OM1 (62/125µM)
T70-0076	1M ST-SC DUPLEX OM3 (50/125µM)
T70-0077	2M ST-SC DUPLEX OM3 (50/125µM)
T70-0078	3M ST-SC DUPLEX OM3 (50/125µM)
T70-0079	5M ST-SC DUPLEX OM3 (50/125µM)
T70-0080	10M ST-SC DUPLEX OM3 (50/125µM)
T70-5520	1M ST-SC DUPLEX OM4 (50/125µM)
T70-5521	2M ST-SC DUPLEX OM4 (50/125µM)
T70-5522	3M ST-SC DUPLEX OM4 (50/125µM)
T70-5523	5M ST-SC DUPLEX OM4 (50/125µM)
T70-5524	10M ST-SC DUPLEX OM4 (50/125µM)
T70-0855	1M ST-SC DUPLEX OM5 (50/125µM)
T70-0881	2M ST-SC DUPLEX OM5 (50/125µM)
T70-0884	3M ST-SC DUPLEX OM5 (50/125µM)
T70-0895	5M ST-SC DUPLEX OM5 (50/125µM)
T70-0910	10M ST-SC DUPLEX OM5 (50/125µM)

ST-ST MULTIMODE DUPLEX PATCH CORDS

Available in OM1 (62/125µM), OM3 (50/125µM),
OM4 (50/125µM) & OM5 (50/125µM)

NEW OM5 VERSIONS

FIBRE FACT:

OM4 was developed specifically for equipment featuring VSCEL laser transmission and allows 10 Gigabit Ethernet link distances of up to 550m compared to 300M with OM3. OM4 fibre is completely backwards compatible with OM3.

PART NO.	DESCRIPTION
T70-2225	1M ST-ST DUPLEX OM1 (62/125µM)
T70-2226	2M ST-ST DUPLEX OM1 (62/125µM)
T70-2227	3M ST-ST DUPLEX OM1 (62/125µM)
T70-2228	5M ST-ST DUPLEX OM1 (62/125µM)
T70-2229	10M ST-ST DUPLEX OM1 (62/125µM)
T70-0081	1M ST-ST DUPLEX OM3 (50/125µM)
T70-0082	2M ST-ST DUPLEX OM3 (50/125µM)
T70-0083	3M ST-ST DUPLEX OM3 (50/125µM)
T70-0084	5M ST-ST DUPLEX OM3 (50/125µM)
T70-0085	10M ST-ST DUPLEX OM3 (50/125µM)
T70-5525	1M ST-ST DUPLEX OM4 (50/125µM)
T70-5526	2M ST-ST DUPLEX OM4 (50/125µM)
T70-5527	3M ST-ST DUPLEX OM4 (50/125µM)
T70-5528	5M ST-ST DUPLEX OM4 (50/125µM)
T70-5529	10M ST-ST DUPLEX OM4 (50/125µM)
T70-0897	1M ST-ST DUPLEX OM5 (50/125µM)
T70-0927	2M ST-ST DUPLEX OM5 (50/125µM)
T70-0928	3M ST-ST DUPLEX OM5 (50/125µM)
T70-0930	5M ST-ST DUPLEX OM5 (50/125µM)
T70-0931	10M ST-ST DUPLEX OM5 (50/125µM)

LC-ST MULTIMODE DUPLEX PATCH CORDS

Available in OM1 (62/125µM), OM3 (50/125µM),
OM4 (50/125µM) & OM5 (50/125µM)

FIBRE FACT:

OM5 fibre is designed specifically for high-speed data centre applications over short to medium ranges. Operating in the 850 to 950 nm range, OM5 can provide 100 GB data streams with just one pair of parallel fibres.

NEW OM5 VERSIONS

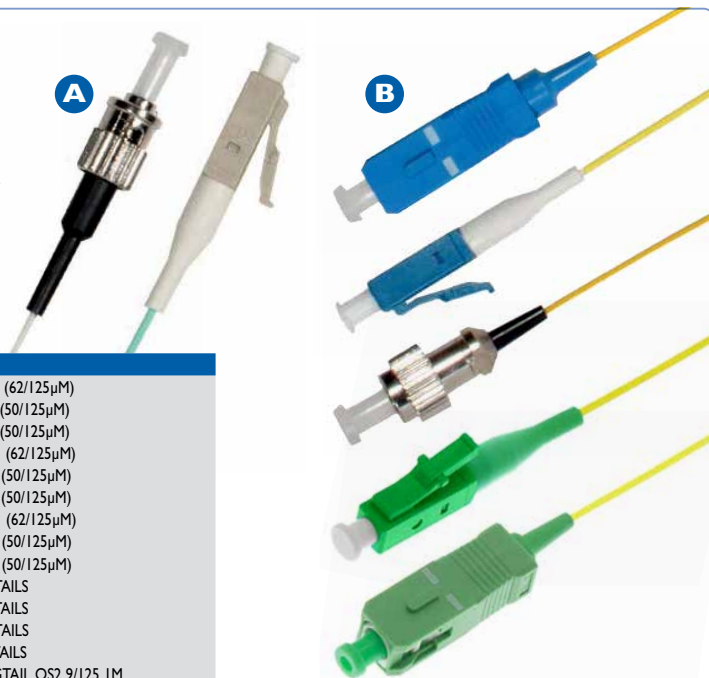| PART NO.	DESCRIPTION
T70-2340	1M LC-ST DUPLEX OM1 (62/125µM)
T70-2341	2M LC-ST DUPLEX OM1 (62/125µM)
T70-2261	3M LC-ST DUPLEX OM1 (62/125µM)
T70-0088	5M LC-ST DUPLEX OM1 (62/125µM)
T70-0089	10M LC-ST DUPLEX OM1 (62/125µM)
T70-0090	1M LC-ST DUPLEX OM3 (50/125µM)
T70-0091	2M LC-ST DUPLEX OM3 (50/125µM)
T70-0092	3M LC-ST DUPLEX OM3 (50/125µM)
T70-0093	5M LC-ST DUPLEX OM3 (50/125µM)
T70-0094	10M LC-ST DUPLEX OM3 (50/125µM)
T70-5510	1M LC-ST DUPLEX OM4 (50/125µM)
T70-5511	2M LC-ST DUPLEX OM4 (50/125µM))
T70-5512	3M LC-ST DUPLEX OM4 (50/125µM)
T70-5513	5M LC-ST DUPLEX OM4 (50/125µM)
T70-5514	10M LC-ST DUPLEX OM4 (50/125µM)
T70-0797	1M LC-ST DUPLEX OM5 (50/125µM)
T70-0798	2M LC-ST DUPLEX OM5 (50/125µM)
T70-0799	3M LC-ST DUPLEX OM5 (50/125µM)
T70-0816	5M LC-ST DUPLEX OM5 (50/125µM)
T70-0817	10M LC-ST DUPLEX OM5 (50/125µM)

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A) MULTIMODE PIGTAILS

Multimode: available with ST, SC and LC connectors. 1m in length – other lengths available on request. Available in OM1, OM3 and OM4.

B) SINGLEMODE PIGTAILS

Singlemode: available with ST, SC, FC, LC, LC/APC and SC/APC connectors. 1m in length – other lengths available on request. Available in OS2.

PART NO.	DESCRIPTION
T70-2326	A) ST 1M MULTIMODE OM1 (62/125µM)
T70-0114	A) ST 1M MULTIMODE OM3 (50/125µM)
T70-5610	A) ST 1M MULTIMODE OM4 (50/125µM)
T70-2327	A) SC 1M MULTIMODE OM1 (62/125µM)
T70-0115	A) SC 1M MULTIMODE OM3 (50/125µM)
T70-5611	A) SC 1M MULTIMODE OM4 (50/125µM)
T70-0526	A) LC 1M MULTIMODE OM1 (62/125µM)
T70-0527	A) LC 1M MULTIMODE OM3 (50/125µM)
T70-5612	A) LC 1M MULTIMODE OM4 (50/125µM)
T70-2322	B) FC 1M SINGLEMODE PIGTAILS
T70-2323	B) SC 1M SINGLEMODE PIGTAILS
T70-0116	B) LC 1M SINGLEMODE PIGTAILS
T70-0528	B) ST 1M SINGLEMODE PIGTAILS
T70-0430	B) LC/APC SINGLEMODE PIGTAIL OS2 9/125 1M
T70-0431	B) SC/APC SINGLEMODE PIGTAIL OS2 9/125 1M

LC-LC SINGLEMODE PATCH CORDS

9/125µm Singlemode OS2 fibre optic patch cords are used to connect longer distance networks, between buildings and campuses and in long-distance metropolitan and access telecoms and CATV networks.

All assemblies are fully tested prior to delivery and supplied with test result.

OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.

PART NO.	DESCRIPTION
T70-2302	1M LC-LC OS1 SINGLEMODE
T70-2303	2M LC-LC OS1 SINGLEMODE
T70-2304	3M LC-LC OS1 SINGLEMODE
T70-2305	5M LC-LC OS1 SINGLEMODE
T70-2306	10M LC-LC OS1 SINGLEMODE

LC-ST SINGLEMODE PATCH CORDS

9/125µm Singlemode OS2 fibre optic patch cords are used to connect longer distance networks, between buildings and campuses and in long-distance metropolitan and access telecoms and CATV networks.

All assemblies are fully tested prior to delivery and supplied with test result.

OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.

PART NO.	DESCRIPTION
T70-2317	1M LC-ST OS1 SINGLEMODE
T70-2318	2M LC-ST OS1 SINGLEMODE
T70-2319	3M LC-ST OS1 SINGLEMODE
T70-2320	5M LC-ST OS1 SINGLEMODE
T70-2321	10M LC-ST OS1 SINGLEMODE

SC-SC SINGLEMODE PATCH CORDS

9/125μm Singlemode OS2 fibre optic patch cords are used to connect longer distance networks, between buildings and campuses and in long-distance metropolitan and access telecoms and CATV networks.

All assemblies are fully tested prior to delivery and supplied with test result.

OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.

PART NO.	DESCRIPTION
T70-2297	1M SC-SC OS2 SINGLEMODE
T70-2298	2M SC-SC OS2 SINGLEMODE
T70-2299	3M SC-SC OS2 SINGLEMODE
T70-2300	5M SC-SC OS2 SINGLEMODE
T70-2301	10M SC-SC OS2 SINGLEMODE

LC-SC SINGLEMODE PATCH CORDS

9/125μm Singlemode OS2 fibre optic patch cords are used to connect longer distance networks, between buildings and campuses and in long-distance metropolitan and access telecoms and CATV networks.

All assemblies are fully tested prior to delivery and supplied with test result.

OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.
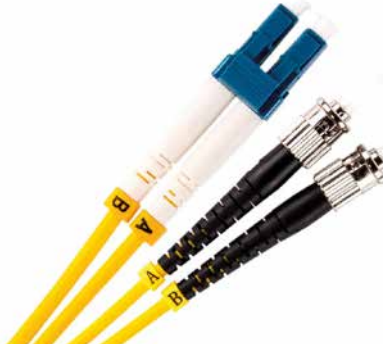
PART NO.	DESCRIPTION
T70-2307	1M LC-SC OS2 SINGLEMODE
T70-2308	2M LC-SC OS2 SINGLEMODE
T70-2309	3M LC-SC OS2 SINGLEMODE
T70-2310	5M LC-SC OS2 SINGLEMODE
T70-2311	10M LC-SC OS2 SINGLEMODE

FC-FC SINGLEMODE PATCH CORDS

9/125μm Singlemode OS2 fibre optic patch cords are used to connect longer distance networks, between buildings and campuses and in long-distance metropolitan and access telecoms and CATV networks.

All assemblies are fully tested prior to delivery and supplied with test result.

OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.

PART NO.	DESCRIPTION
T70-2292	1M FC-FC OS2 SINGLEMODE
T70-2293	2M FC-FC OS2 SINGLEMODE
T70-2294	3M FC-FC OS2 SINGLEMODE
T70-2295	5M FC-FC OS2 SINGLEMODE
T70-2296	10M FC-FC OS2 SINGLEMODE

FC-LC SINGLEMODE PATCH CORDS

9/125μm Singlemode OS2 fibre optic patch cords are used to connect longer distance networks, between buildings and campuses and in long-distance metropolitan and access telecoms and CATV networks.

All assemblies are fully tested prior to delivery and supplied with test result.

OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.

PART NO.	DESCRIPTION
T70-0117	1M FC-LC OS2 SINGLEMODE
T70-0118	2M FC-LC OS2 SINGLEMODE
T70-0119	3M FC-LC OS2 SINGLEMODE
T70-0120	5M FC-LC OS2 SINGLEMODE
T70-0121	10M FC-LC OS2 SINGLEMODE

FC-SC SINGLEMODE PATCH CORDS

9/125μm Singlemode OS2 fibre optic patch cords are used to connect longer distance networks, between buildings and campuses and in long-distance metropolitan and access telecoms and CATV networks.

All assemblies are fully tested prior to delivery and supplied with test result.

OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.

PART NO.	DESCRIPTION
T70-0122	1M FC-SC OS2 SINGLEMODE
T70-0123	2M FC-SC OS2 SINGLEMODE
T70-0124	3M FC-SC OS2 SINGLEMODE
T70-0125	5M FC-SC OS2 SINGLEMODE
T70-0126	10M FC-SC OS2 SINGLEMODE

ST-SC SINGLEMODE PATCH CORDS

9/125μm Singlemode OS2 fibre optic patch cords are used to connect longer distance networks, between buildings and campuses and in long-distance metropolitan and access telecoms and CATV networks.

All assemblies are fully tested prior to delivery and supplied with test result.

OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.

PART NO.	DESCRIPTION
T70-0127	1M ST-SC OS2 SINGLEMODE
T70-0128	2M ST-SC OS2 SINGLEMODE
T70-0129	3M ST-SC OS2 SINGLEMODE
T70-0130	5M ST-SC OS2 SINGLEMODE
T70-0131	10M ST-SC OS2 SINGLEMODE

SC/APC-LC SINGLEMODE DUPLEX PATCH CORDS

Available Simplex and Pigtail Single and Multimodes.

9/125 Singlemode Duplex OS2

OS2 singlemode fibre optic patch cords are used to connect longer distance networks between buildings, campuses, metropolitan telecoms, access telecoms and CATV networks. All assemblies are fully tested prior to delivery and supplied with test result. OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.

PART NO.	DESCRIPTION
T70-0410	1M SC/APC-LC DUPLEX OS2 9/125
T70-0411	2M SC/APC-LC DUPLEX OS2 9/125
T70-0412	3M SC/APC-LC DUPLEX OS2 9/125
T70-0413	5M SC/APC-LC DUPLEX OS2 9/125
T70-0414	10M SC/APC-LC DUPLEX OS2 9/125

SC/APC-SC SINGLEMODE DUPLEX PATCH CORDS

Available Simplex, Duplex and Pigtail, Singlemode and Multimode.

9/125 Singlemode Duplex OS2
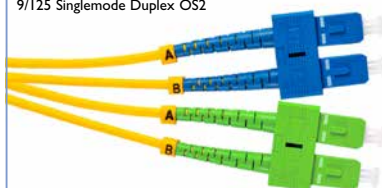
OS2 singlemode fibre optic patch cords are used to connect longer distance networks between buildings, campuses, metropolitan telecoms, access telecoms and CATV networks. All assemblies are fully tested prior to delivery and supplied with test result. OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.

PART NO.	DESCRIPTION
T70-0390	1M SC/APC-SC DUPLEX OS2 9/125
T70-0393	2M SC/APC-SC DUPLEX OS2 9/125
T70-0394	3M SC/APC-SC DUPLEX OS2 9/125
T70-0408	5M SC/APC-SC DUPLEX OS2 9/125
T70-0409	10M SC/APC-SC DUPLEX OS2 9/125

SC/APC-SC/APC SINGLEMODE DUPLEX PATCH CORDS

9/125 Singlemode Duplex OS2

OS2 singlemode fibre optic patch cords are used to connect longer distance networks between buildings, campuses, metropolitan telecoms, access telecoms and CATV networks. All assemblies are fully tested prior to delivery and supplied with test result. OS2 singlemode patch cords are supplied using 3mm (for additional ruggedising) cable with a yellow LSZH cable jacket as standard.
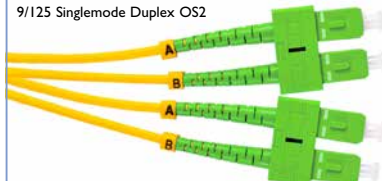
PART NO.	DESCRIPTION
T70-0382	1M SC/APC-SC/APC DUPLEX OS2 9/125
T70-0384	2M SC/APC-SC/APC DUPLEX OS2 9/125
T70-0386	3M SC/APC-SC/APC DUPLEX OS2 9/125
T70-0387	5M SC/APC-SC/APC DUPLEX OS2 9/125
T70-0388	10M SC/APC-SC/APC DUPLEX OS2 9/125

24 WAY FIBRE MANAGEMENT CASSETTE

This 24-Way Fibre Management Cassette provides cost-effective fibre management and protection for up to 24 fibres. Ideal for both primary and secondary-coated fibre. Holds up to 24 splice protectors and includes a splice holder, tray and lid.
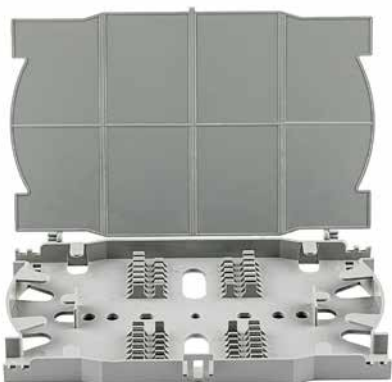
PART NO.	DESCRIPTION
T70-0290	24 WAY FIBRE MANAGEMENT CASSETTE

CLEAR FIBRE TRANSPORTATION TUBING

Transportation tubing is used to manage and protect fibre bundles or elements between the end of the cable and the chosen splice tray. Can be cut to the required length. The clear tubing allows for the bundles or elements to be seen whilst being threaded in to position.

PART NO.	DESCRIPTION
R02-5070	CLEAR TUBING - 3MM OD 1.9MM ID - 50M ROLL
R02-5073	CLEAR TUBING - 4MM OD 2.8MM ID - 50M ROLL
R02-5071	CLEAR TUBING - 2.8MM ID 4MM OD - 8 X 1 METRE

FIBRE OPTIC MANAGEMENT KIT

A low cost 25 piece fibre management kit, consisting of a variety of clips, splice bridges, cable ties, glands starts and adhesive pads. Suitable for all unpopulated panels and enclosures.

PART NO.	DESCRIPTION
T70-2561	FIBRE OPTIC MANAGEMENT KIT

Fusion Fibre Optic Adaptors

FUSION LC ADAPTORS

Available in Duplex and Quad Singlemode and Multimode.
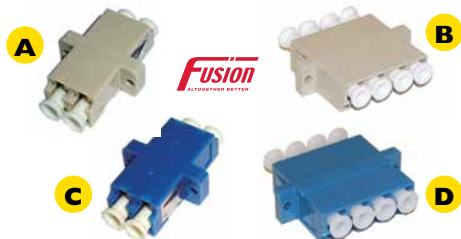
MULTIMODE

PART NO.	DESCRIPTION
T70-0155	A) LC MULTIMODE DUPLEX
T70-0156	B) LC MULTIMODE QUAD

SINGLEMODE

PART NO.	DESCRIPTION
T70-0157	C) LC SINGLEMODE DUPLEX
T70-0158	D) LC SINGLEMODE QUAD

FUSION SC ADAPTORS

Available Simplex and Duplex and Single and Multimode.
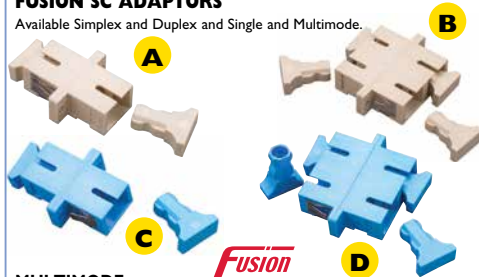
MULTIMODE

PART NO.	DESCRIPTION
T70-0159	(A) SC MULTIMODE SIMPLEX
T70-0160	(B) SC MULTIMODE DUPLEX

SINGLEMODE

PART NO.	DESCRIPTION
T70-0161	(C) SC SINGLEMODE SIMPLEX
T70-0162	(D) SC SINGLEMODE DUPLEX

FUSION HYBRID ADAPTORS

MULTIMODE

PART NO.	DESCRIPTION
T70-0164	(A) SC-ST MULTIMODE DUPLEX - BEIGE

SINGLEMODE

PART NO.	DESCRIPTION
T70-0165	(B) SC-ST SINGLEMODE DUPLEX - BLUE

FUSION FC ADAPTORS

Available Simplex, Single and Multimode.

MULTIMODE

PART NO.	DESCRIPTION
T70-0166	(A) FC MULTIMODE SIMPLEX

SINGLEMODE

PART NO.	DESCRIPTION
T70-0167	(B) FC SINGLEMODE SIMPLEX

FUSION ST ADAPTORS

Available Simplex, Single and Multimode.

MULTIMODE

PART NO.	DESCRIPTION
T70-2580	(A) ST MULTIMODE SIMPLEX BLACK

SINGLEMODE

PART NO.	DESCRIPTION
T70-0163	(B) ST SINGLEMODE SIMPLEX YELLOW

FUSION FIBRE OPTIC CONSUMABLES
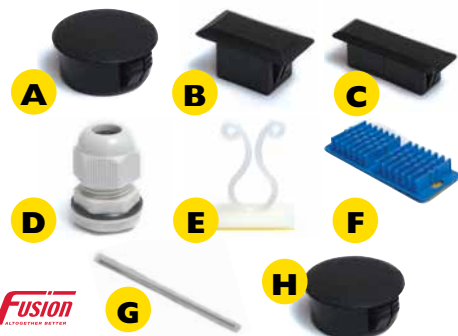
PART NO.	DESCRIPTION
T70-2593	(A) ST BLANKS PKT 10
T70-2594	(B) SC SIMPLEX BLANKS PKT 10
T70-2595	(C) SC DUPLEX BLANKS PKT 10
T70-2598	(D) 20MM CABLING GLAND 4-13MM
T70-2599	(E) CABLE MANAGEMENT CLIPS PKT 10
T70-2600	(F) SPLICING BRIDGE
T70-2601	(G) 60MM SPLICE PROTECTORS (PK100)
T70-4699	(G) 45MM SPLICE PROTECTORS (PK100)
T70-2602	(H) 20MM GROMMET

A) DESICCANT PACK 2A
Used on unventilated Cabinets Cross Connection. 140g pack. Ref: 076062.

B) COMPOUND 21A
Compound 21A is a single component adhesive cement for bonding PVC ducting. Ref: 071821.

C) RESIN PACK 2B
A two component polyurethane compound specifically formulated for use in the construction of vertical air blocks in pressurised telecommunication cables. Ref 074228.

D) RESIN PACK 6C
Resin Pack 6C is a two component polyurethane compound specifically formulated for use as a sealant against the ingress of moisture into the concrete bases of cabinets crossconnection. Ref: 056487.

Features:
- Complies with latest BT specification.
- Supplied as a 3.8 litre kit comprising of 3.29 litres Base and 0.51 litres Hardener.
- Yellow base and blue hardener result in pale green mixed product (visual guide to mix quality).

E) RESIN PACK 7A
Resin Pack 7A is a two-component polyurethane foam specifically formulated for the sealing of telecommunications cable ducting against the ingress of moisture and gas.

Features:
- Fully complies with BT Specification M225.
- Supplied as two half litre cans containing the base and hardener components.
- Kit also contains an injection syringe.

F) RESIN PACK 7B
Resin Pack 7B is a two-component polyurethane foam specifically formulated for the sealing of telecommunications cable ducting against the ingress of moisture and gas.

Features:
- Fully complies with BT Specification M225.
- Supplied as a comprehensive duct sealing kit including flexible foam dams.
- Ideal for use on 54A ducting.

PART NO.	DESCRIPTION
S83-3224	A) DESICCANT PACK 2A
S83-2750	B) COMPOUND 21A
S83-2836	C) RESIN PACK 2B

PART NO.	DESCRIPTION
S83-2837	D) RESIN PACK 6C
S83-2838	E) RESIN PACK 7A
S83-2839	F) RESIN PACK 7B

A) RESIN PACK 9B

Resin Pack 9B (FR) is a two component non-harmful polyurethane compound specifically formulated for use as a self-curing closure sealant system for sealing polyethylene sheathed telecommunications cables into the bases of Sleeves 30A, 31A and 32A and Conduits for both construction and maintenance purposes.

B) RESIN PACK 10B

A very hard/permanent sealant, used for sealing sleeves 30A, 31A and 32B.

C) RESIN PACK 14C

Resin Pack 14C is a two component polyurethane compound specifically formulated for use as a sealant against the ingress of moisture and gas into telecommunications cable ducting.

D) RESIN 14 REMOVAL TOOLKIT

The Resin 14 Removal Toolkit is for the removal of Resin 14 duct seals from within cabinet/DSLAM, and comprises a Manual Impact Drill, 1 x 5.5mm x 210mm, 1 x 8mm x 210mm SDS drill bits and a pair of Extraction Hooks. The extraction hooks are approx. 600mm in length with a T-handle at one end and a small hook at the other. Ref: 088051.

E) COMPOUND 16A

Compound 16A is a single component non-curing mastic specifically formulated for sealing against gas and water in underground conduits carrying telephone cables.

F) COMPOUND DX5

Black compound for sealing around junction boxes, service cable entries and many other similar applications. Forms around irregular surfaces and configurations, highly resistant to cracking, drying and shrinking. Supplied in 5 x 1 pound blocks.

PART NO.	DESCRIPTION
S83-2840	A) RESIN PACK 9B
S83-2748	B) RESIN PACK 10B
S83-2835	C) RESIN PACK 14C

PART NO.	DESCRIPTION
S83-1838	D) THE RESIN 14 REMOVAL TOOLKIT
S83-2749	E) COMPOUND 16A
S83-3226	F) COMPOUND DX5

Mills

FOR OUR FULL RANGE OF FIBRE EQUIPMENT AND TOOLING

SEE PAGES 139-199

A) F19-1000 FTTH Innovations F.I.G. Fibre Installation Gun

Page 140

B) EasyFlow Smart

Page 142

D) A10-6183 Mills Blown Fibre Toolkit No.1 In 20" Ruggedised Toolbox

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C) S00-3790 LastMile Blown Air Compressors

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E) C00-3851 Mills Microduct Pressure and Integrity Test Kit

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F) E00-1150 Mills Loose Tube Scoring Stripper 1.1mm to 6.0mm

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G) E00-3300 Mills Grip n Strip ULW Drop Fibre Stripper

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H) S83-6198 Mills Tri-Head Duct Cutter

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**I) E00-5004
Mills Kevlar Scissors**

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I

**J) E70-5001
Mills Masterclass
Cable Ringing Tool**

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J

**K) E00-6170
Mills masterclass 3-way
fibre optic stripper**

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K

**L) T-72M12
Sumitomo
T-72M12
Ribbon
Splicer Kit**

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L

**M) S83-9327 Mills
Polemate Kit**

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M

**N) S83-1857
Mills
Splicemate
Portable
Splicer's
Table**

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N

**O) C05-0061
Mills Fibre Optic
Cleaning Kit**

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O

**P) A10-6148
Mills Fibre
Inspection &
Cleaning Kit
No. 2- In Mills
Fibre Bag**

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P

**Q) S00-3791
Lastmile VRK
Armadillo
Fibre Blowing
Compressor**

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Q

Mills
EST. 1919

FOR OUR FULL RANGE OF TEST EQUIPMENT

SEE PAGES 455-488

A) C00-4269 Tempo Digalert 350m

Page 457

A

B) S00-7586 Radiodetection SPX gCAT4+ Cable Avoidance Tool

Page 463

B

C) C00-0180 Mills Cable Sniffer Fibre Identifier

Page 470

C

D) C00-7676 Mills Live Fibre Identifier Pro

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D

E) C00-4545 Anritsu MT9090A Optical Fibre Network Test & OTDR Platform 1310/1550/1650

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E

F) C00-7632 VeEX FX41XT PON Meter

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F

G) C00-1918 Honeywell BW Icon + 4 Gas Detector H2S CO O2 & LEL

Page 484

G

External Overhead & Tooling

Mills
EST. 1919

STEP POLE NO.1

Pole step for use on wooden poles only.

Ref: 015550.

PART NO.	DESCRIPTION
S83-2996	STEP POLE NO.1

RING POLEHEAD STAND-OFF 1A

A bolt on galvanised steel pole step with a welded 100mm diameter ring.

Used to attach a maximum of five dropwires on joint user poles when a Stand-off 1A dropwire needs to be terminated.

The Stand-off enables DNO staff to safely climb past BT/Openreach plant.

Ref: 016288.

PART NO.	DESCRIPTION
S83-2842	RING POLEHEAD STAND-OFF 1A

A) SCREW COACH 3" (PK 200)

Galvanised 3 x 3/8in coach screw for attaching pole furniture to wooden poles. Supplied in a box of 200. Formerly S83-0850. Ref: 014700.

B) LAG SCREW 100MM (EACH)

Lag bolt / coach screw for fixing pole line hardware on wooden posts. Made of hot dip galvanized steel.
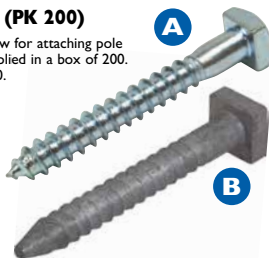
PART NO.	DESCRIPTION
S83-0654	A) SCREW COACH 3" (PK 200)
S83-5089	B) LAG SCREW 100MM (EACH)

RING POLEHEAD DROPWIRE

Galvanised 240mm steel ring with 16mm diameter bolt for distribution of cables from the top poles. For use with Cable Dropwire, acts as a support for Clamps Dropwire.

Ref: 021240.

PART NO.	DESCRIPTION
S83-2841	RING POLEHEAD

BRACE COACH SCREW

Hand held brace, used to attach and remove coach screws from poles.

Ref: 112089.

PART NO.	DESCRIPTION
S83-0765	BRACE COACH SCREW

HALO RING

A replacement larger pole ring to be used mainly on congested poles as an alternative to the standard S83-2841 pole ring.
This larger type 15 crown ring is used for network rearrangements and the addition of new fibre enclosures when there are capacity issues with the upper pole envelope.
Diameter: 501mm.

PART NO.	DESCRIPTION
S83-1707	HALO RING

COACH SCREW SOCKET AND ADAPTORS

An impact grade 5/8 AF Socket with ½" drive for tightening and loosening coach screws (S83-0642) when used with a power tool and in conjunction with either the ¼" (G70-1769) or SDS (G70-1770) adaptors.

A) 5/8 Inch Square Socket for Coach Screws 1/2 Inch Drive
5/8" square socket used to attach and remove coach screws from poles.

B) 1/4 Inch Hex to 1/2 Inch Square Drive Adaptor
Fits 1/2 inch square drive sockets and is suitable for drills with standard 3 jaw chucks.

C) SDS Plus to 1/2 Inch Square Drive Socket Adaptor
Fits 1/2 inch square drive sockets and is suitable for rotary hammers with SDS plus shank systems.

PART NO.	DESCRIPTION
G70-1768	A) 5/8 INCH SQUARE SOCKET FOR COACH SCREWS 1/2 INCH DRIVE
G70-1769	B) 1/4 INCH HEX TO 1/2 INCH SQUARE DRIVE ADAPTOR
G70-1770	C) SDS PLUS TO 1/2 INCH SQUARE DRIVE SOCKET ADAPTOR

Mills EST. 1918

WASHERS GALVANISED 16, 17, 18

A) Washer Galvanised 16
Galvanised steel tubular washer 65mm long and 27mm in diameter for use with Bolts Hex Head to secure Universal Pole Brackets or UPBs to poles where the bolt is too long. Box of 50. Ref: 016161.

B) Washer Galvanised 17
Galvanised steel tubular washer for use with Bolts Hex Head to secure UPBs to poles where the bolt is too long. Dimensions: 20mm long and 27mm diameter. Box of 200. Ref: 016162.

C) Washer Galvanised 18
Galvanised steel tubular washer 40mm long and 27mm diameter for use with Bolts Hex Head to secure UPB's to poles where the bolt is too long. Box of 200. Ref: 016163.

PART NO.	DESCRIPTION
S83-1766	A) WASHER GALVANISED 16 - BOX OF 50
S83-2865	B) WASHER GALVANISED 17 - BOX OF 200
S83-2866	C) WASHER GALVANISED 18 - BOX OF 200

WASHER GALVANISED 4

50mm diameter x 3mm thick with an 18mm hole and used on Bolt Arm.

Supplied in a box of 100.

Ref: 016152.

PART NO.	DESCRIPTION
S83-2868	WASHER GALVANISED 4 (BOX OF 100)

WASHER GALVANISED 19

Galvanised steel flat washer 20mm in diameter with a 7mm hole in the centre. 1.6mm in thickness

Used with Nail Bonding and Strip Aluminium to secure cables to wooden poles.

Supplied in a 3kg box containing approximately 770 washers.

Ref: 073202.

PART NO.	DESCRIPTION
S83-3163	WASHER GALVANISED 19 (3KG)

NAIL BONDING

Galvanised steel round headed nail 45mm long x 5mm diameter and used in conjunction with Washer Galvanised 19 for securing Aluminium Strip and Cappings to poles.

Supplied in a 5kg box.

Ref: 072034.
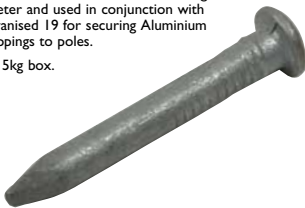
PART NO.	DESCRIPTION
S83-2672	NAIL BONDING

PLUGS CREOSOTED

A packet of 100 creosoted plugs 10mm x 50mm (3/8" x 2"). These products are used to plug old fixing holes or test holes created following testing using a Mattson borer. To prevent decay to the pole the specification LN435 states "All holes from cores taken for testing must be plugged with creosote treated plugs, which are an interference fit into any holes made."

Ref: 016266.

PART NO.	DESCRIPTION
S83-0944	PLUGS CREOSOTED

PIN STEEL NO.2 PK200

Hardened steel pin with captive washer for attaching labels to poles including pre-climb test labels, Caution Overhead Fibre and Pole Plastic Letters & Numbers.
Overall length 30mm (1 1/8").
Supplied in box of 200.

Ref: 070864.
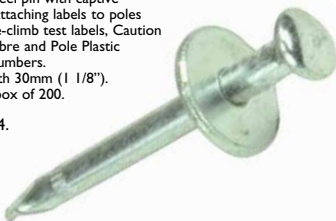
PART NO.	DESCRIPTION
S83-1746	PIN STEEL NO.2 PK200

STRIPS ALUMINIUM

16mm wide aluminium strips used to secure cables running vertically on poles and available in 3 lengths (80mm, 120mm and 160mm) to accommodate most sizes and multiples of cables. Regulations specify cables must be fixed at a minimum of 450mm intervals and must not impede access to the climbing steps.

Supplied in pack of 25.

S83-0902 Ref: 015708.
S83-0856 Ref: 076077.
S83-0903 Ref: 076078.

PART NO.	DESCRIPTION
S83-0903	80MM STRIP ALUMINIUM (PK25)
S83-0902	120MM STRIP ALUMINIUM (PK25)
S83-0856	160MM STRIP ALUMINIUM (PK25)

A) UNIVERSAL POLE BRACKET UPB

The UPB bracket is manufactured from aluminium alloy with correspondingly high mechanical strength. Its unique patented design has been developed as a universal fitting covering all installation situations on wooden, metal or concrete poles.

Ref: 016988.
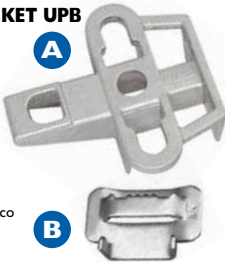
B) MOUNTING BUCKLE

Stainless steel buckle for securing Telenco banding. Supplied in a pack of 100.

Ref: 013603.

PART NO.	DESCRIPTION
S83-1540	A) UNIVERSAL POLE BRACKET UPB
S83-3246	B) MOUNTING BUCKLE (PK100)

BANDING STAINLESS STEEL 20MM X 50M

Stainless steel strip banding 20mm x 0.7mm x 50m contained in a plastic "Easy carry container".

For attaching S83-1540 Universal Pole Bracket or UPB, S00-7197 External Fibre Locking Mechanism or ELM and S00-1601 Malico L Coiling Bracket to BT Hollow & Joint User wood & steel poles.

Ref: 013610.

PART NO.	DESCRIPTION
S83-1542	BANDING STAINLESS STEEL 20MM X 50M
S83-1543	PROTECTION SLEEVE FOR BANDING SS 20MM X 10M

TELENCO BANDING TOOL

Stainless steel banding tool for the attachment of the Telenco Universal Pole Bracket (UPB) to wooden and hollow poles. Ideal for use on joint user poles where permission cannot be granted to drill a bolt hole through the pole to attach cable fixings.

Ref: 013608.

PART NO.	DESCRIPTION
S83-3242	TELENCO BANDING TOOL

BOLT HEX HEAD

A galvanised steel hexagonal headed bolt, available in 300mm (S83-1538) and 350mm (S83-1539) lengths supplied fitted with two galvanised steel washers and one nut.

For attaching Universal Pole Bracket or UPB, Hook Aerial Cable 1 and 1A to wooden poles.

S83-1538 Ref: 016977.
S83-1539 Ref: 016978.
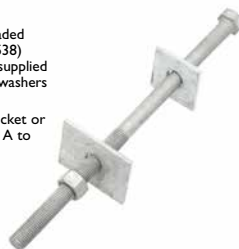
PART NO.	DESCRIPTION
S83-1538	BOLT HEX HEAD 16MM X 300MM
S83-1539	BOLT HEX HEAD 16MM X 350MM

RATCHET POLE BANDING TOOL

Ratchet stainless steel banding tool for the attachment of the Telenco Universal Pole Bracket (UPB) to wooden and hollow poles.

Ideal for use on joint user poles where permission cannot be granted to drill a bolt hole through the pole to attach cable fixings.

PART NO.	DESCRIPTION
S83-1699	RATCHET POLE BANDING TOOL

A) HOOK AERIAL CABLE

Hook Aerial Cable 1 or J Hook is a "D" section steel bar coated with nylon and formed into a "J" shape. Used to support an Aerial Cable on Joint User Poles. Ref: 016240.
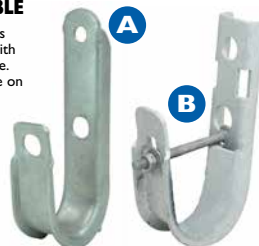
B) HOOK AERIAL CABLE 1A

Used on wooden poles to support suspension and aerial cable relief clamps. Ref: 016990.

PART NO.	DESCRIPTION
S83-3245	A) HOOK AERIAL CABLE
S83-1681	B) HOOK AERIAL CABLE 1A

POLE BAND MOUNTING TOOL KIT

Contains: Screw banding tool, aviation tin snips, riveting hammer, cut resistant safety gloves and storage case.

PART NO.	DESCRIPTION
S83-1667	POLE BAND MOUNTING TOOL KIT

OMEGA POLE BRACKET 180MM

Pole bracket used for securing pole hardware on wooden poles used for low voltage networks. Installation with S83-1542 20mm pole band or with a coach / lag screw. Material: Galvanized steel. Width: 180mm.

PART NO.	DESCRIPTION
S83-5088	OMEGA POLE BRACKET 180MM

MALICOIL FIBRE COILING BRACKET

Manages the coiling and bend radius of aerial optical fibre.

Available in 3 sizes.

A) Malicoil S- Coiling Diameter: Min 270mm / Max 400mm

B) Malicoil M- Coiling Diameter: Min 400mm / Max 600mm

C) Malicoil L- Coiling Diameter: Min 550mm / Max 960mm

PART NO.	DESCRIPTION
S00-1601	A) MALICOIL S - COILING DIA: MIN 270MM / MAX 400MM
S00-1970	B) MALICOIL M - COILING DIA: MIN 400MM / MAX 600MM
S00- 1969	C) MALICOIL L - COILING DIA: MIN 550MM / MAX 960MM

LOV300E CABLE STORAGE BRACKET

Designed for cable storage and protection, this pole hardware accessory enables the management of fibre optic cable overlengths on poles, in manholes or on walls / facades.

The LOV300e storage bracket enables the avoidance of the piston effect on aerial cables with ADSS structure.

The bracket allows convenient splicing at height or at ground level.

Compact and discreet, the LOV300e storage bracket can be attached at the rear of a splice closure in order to curtail the visual impact of the cable coiling.

PART NO.	DESCRIPTION
S83-0103	LOV300E CABLE STORAGE BRACKET

BRACKET 22

A dropwire fixing consisting of a galvanised steel triangular bracket with three fixing holes and a welded loop. Designed to attach a dropwire clamp at end users premises or on a multi pole route where no pole ring exists.

Suitable for use with 36f ULWC, BIRLA, CDC, HFCL and Dropwire 10A.

Ref: 011114.

PART NO.	DESCRIPTION
S83-2723	BRACKET 22

BRACKET 32

A dropwire fixing consisting of a galvanised steel "J" shaped Bracket with a welded loop and a plate with four holes at the other end. Designed to attach a dropwire clamp to timber or brickwork at end users premises where additional height clearance is required e.g. a Bungalow.

Ref: 016264.

PART NO.	DESCRIPTION
S83-2724	BRACKET 32

BOLT 25 - PACK OF 10

A specialist fixing for use on 'Crown Type' Rings. The fixing comprises an M16 x 110mm bolt with 2 x washers and a Niloc nut.

Supplied in a pack of 10.

Ref: 010511.

PART NO.	DESCRIPTION
R02-1110	BOLT 25 - PACK OF 10

WALL PLATE 5A WITH THIMBLE

Galvanised steel wall plate for attachment of lightweight cables and wires.

Dimensions: 150mm x 100mm
Ref: 018388.

PART NO.	DESCRIPTION
S83-9215	WALL PLATE 5A WITH THIMBLE 150MM X 100MM

BRACKET 44

A dropwire fixing consisting of a galvanised steel "L" shaped Bracket with a welded loop at one end and a plate with two holes at the other end.

Designed to attach a dropwire clamp to brickwork at end users premises where further additional height clearances are required.

On brickwork (without rendering or cladding) this Bracket is designed to be secured with 2 x Bolt Expanding 2A.

Maximum span length is 68 metres.

Dimensions: 420 x 210mm
(Wall Plate: 150 x 100mm).
Ref: 009561.

PART NO.	DESCRIPTION
S83-1060	BRACKET 44

BRACKET 51

On brickwork (without rendering or cladding) this Bracket is designed to be secured with 2 x Bolt Expanding 2A.

The Bracket 51 is attached to the wall by the same drilling method as the Bracket 44 but, as it stands out further from the wall, is considerably taller.

Dimensions: 600 x 350mm
(Wall Plate: 150 x 100mm).

Maximum span length is 68 metres.
Ref: 060795.

PART NO.	DESCRIPTION
S83-1064	BRACKET 51

A) CLAMP AERIAL CABLE 2

Used to support Cable Aerial Self Supporting Combined 10/0.5, 20/0.5, 5/0.6 and 10/0.6 at through pole positions on hollow poles. Ref: 073194.

B) CLAMP AERIAL CABLE 4

Used to support Cable Aerial Self Supporting Combined 50/0.5, 10/0.63, 28/0.63 and 14/0.9 at through pole positions on hollow poles. Ref: 073196.

PART NO.	DESCRIPTION
S83-2744	A) CLAMP AERIAL CABLE 2
S83-2745	B) CLAMP AERIAL CABLE 4

A) CLAMP DROPWIRE 10A

Clamp used when installing Cable Dropwire. Ref: 073194.
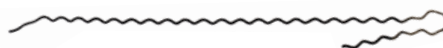
B) CLAMP DROPWIRE 6

Dropwire clamp with extended relieved end and nylon protective coating, used to anchor cable dropwire in hollow poles. Ref: 016309.

PART NO.	DESCRIPTION
S83-2746	A) CLAMP DROPWIRE 10A
S83-2747	B) CLAMP DROPWIRE 6

GRIP STAY ANCHOR

For terminating Wire Steel 7/2.00 to Anchor Screw Stay or to Insulator Stay 2 when these are inserted in a stay. For terminating lashes aerial cable using wire steel 7/2.00 on the span side of Insulator Stay 2.

Ref: 016229.
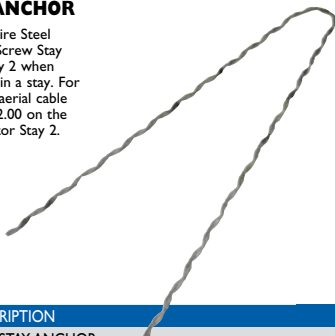
PART NO.	DESCRIPTION
S83-2783	GRIP STAY ANCHOR

A) GRIP INSULATOR POLE

Multi stranded "U" shaped clamp formed by laying 6 galvanised high tensile steel wires, each 2.00mm diameter in a spiral wrap formation, with an internal coating of aluminium oxide. Supplied with 2 "O" clips 9-11mm diameter and used for attaching an Insulator Stay 2 to the suspension wire of the cable. Approximate length 430mm.

Ref: 016234.

B) GRIP STAY POLE

For terminating Wire Steel 7/2.00 at the pole heads end. For terminating lashed Aerial Cable where wire steel 7/2.00 is used. Ref: 016228.

PART NO.	DESCRIPTION
S83-2782	A) GRIP INSULATOR POLE
S83-2784	B) GRIP STAY POLE

GRIP WIRE SUSPENSION

A) Grip Wire Suspension No.1

Used to terminate Cable PET or PETAL Aerial incorporating single strand suspension wire, except at power crossing. Ref: 016444.

B) Grip Wire Suspension No.2

For terminating all sizes of Cable PET and Aerial Cable except those that incorporate Single Strand Suspension Wire. Ref: 016227.

C) Grip Wire Suspension No.3

For terminating Cable PET and Aerial Cable that incorporate single strand suspension wire on the span side of Insulator Stay 2 at power crossing. Ref: 016231.

D) Grip Wire Suspension No.4

For terminating all sizes of Cable PET and Aerial Cable except those with Single Suspension Wire, on the span side of Insulator Stay 2 at power crossings. Ref: 016232.
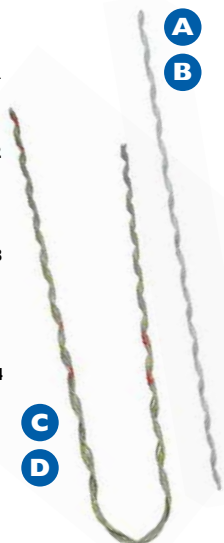
PART NO.	DESCRIPTION
S83-2785	A) GRIP WIRE SUSPENSION NO.1 (SINGLE)
S83-2786	B) GRIP WIRE SUSPENSION NO.2 (SINGLE)
S83-2787	C) GRIP WIRE SUSPENSION NO.3 (SINGLE)
S83-2788	D) GRIP WIRE SUSPENSION NO.4 (SINGLE)

CABLE ABRASION PROTECTOR

Reduces abrasion of aerial cables when in contact with poles and hardware fittings, anchor clamp bail wire and tree branches.
S83-1670 Ref: 048987.
S83-1672 Ref: 048988.
S83-1673 Ref: 048989.

PART NO.	DESCRIPTION
S83-1670	CABLE ABRASION PROTECTOR NO.1 - 6MM X 1M (PK 20)
S83-1671	CABLE ABRASION PROTECTOR NO.2 - 16MM X 1M (PK 10)
S83-1672	CABLE ABRASION PROTECTOR NO.3 - 25MM X 1M (PK 10)
S83-1673	CABLE ABRASION PROTECTOR NO.4 - 33MM X 1M (PK 10)
S83-1674	CABLE ABRASION PROTECTOR NO.5 - 40MM X 1M (PK 10)

HYPOCLAMP SLIPPERY FISH AERIAL CABLE CLAMP / GRIP

The new Hypoclamp F is approved for PIA installations and has been designed for quick tool-less installation of Slippery Fish SST COF250 Self Rodding Dropwire Cable for spans up to 70 metres.
Ref: 095296.

PART NO.	DESCRIPTION
S83-0672	HYPOCLAMP SLIPPERY FISH AERIAL CABLE CLAMP / GRIP

HYPOCUT F DROP CLAMP FOR EZ AXS & ROC FLAT CABLES PK10

The PIA approved Hypocut F drop clamp has been specifically developed to meet the requirements of FTTP network roll-outs in the UK. This cable clamp enables the anchoring of flat aerial drop cables up to 70 metres.
Supplied in a pack of 10.

PART NO.	DESCRIPTION
S83-4436	HYPOCUT F DROP CLAMP FOR EZ AXS & ROC FLAT CABLES PK10

EXTERNAL FIBRE LOCKING MECHANISM FOR ULTRA-LIGHTWEIGHT OVERHEAD CABLES

The Fibre Locking Mechanism also known as an ELM, is a locking mechanism essential for 'loose' jacketed element or elements in an overhead cable.

The ELM provides an effective solution that isolates the termination of the fibres, either spliced or connectorised, in the fibre enclosure from the 'in span' environmental loading (ice and winding).
Ref: 066611.

PART NO.	DESCRIPTION
S00-7197	EXTERNAL FIBRE LOCKING MECHANISM

A) ADSS FIBRE DROPWIRE CLAMP PK10

Galvanised spiral aerial clamps or Helical Dead Ends approved for PIA applications and designed for quick and tool-less installation of ADSS Cables with a micromodule structure. Supplied in packs of 10.

B) FIBRE CABLE CLAMP / GRIP 36 ULW AND 48 ULW PURPLE FLASH PK10

A galvanised spiral aerial grip or Helical Dead End (6.80-7.20mm) approved for PIA application and designed for quick tool-less installation of 36f Ultra-LightWeight (ULW) and BIRLA 7mm Overhead Dropwire Cable. Overall length of 560mm (Purple Colour Tag).
Supplied in packs of 10. Ref: 85656.

C) FIBRE CABLE CLAMP / GRIP 36 ULW AND 48 ULW YELLOW FLASH PK10

A galvanised spiral aerial grip or Helical Dead End (6.80-7.20mm) approved for PIA application and designed for quick tool-less installation of overhead hybrid dropwire cable. Overall length of 560mm (Yellow Colour Tag).
Supplied in packs of 10. Ref: 104340.

D) FIBRE CABLE CLAMP / GRIP OH FIBRE DROPWIRE PK10

A galvanised spiral aerial grip or Helical Dead End (5.80-6.20mm) approved for PIA application and designed for quick tool-less installation of fibre dropwire cable. For spans up to 70 metres.
Supplied in packs of 10. Ref: 090060.

E) FIBRE OPTIC DEAD END CLAMP 6MM (3 WIRE) PK10

Pack of 10 Fibre Optic Dead End Clamps 6mm (3 wire). Ref: 106778.

F) VM HELICAL CLAMP 6MM - PK10

Pack of 10.
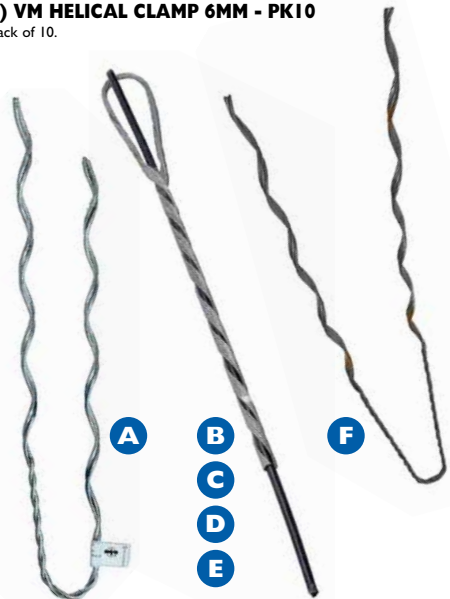
PART NO.	DESCRIPTION
S83-0250	A) ADSS FIBRE DROPWIRE CLAMP ORANGE 3.0MM – 3.9MM (PK10)
S83-3250	A) ADSS FIBRE DROPWIRE CLAMP BLUE 4.3MM – 5MM (PK10)
S83-3251	A) ADSS FIBRE DROPWIRE CLAMP WHITE 5.4MM – 6.2MM (PK10)
S83-0673	B) FIBRE CABLE CLAMP / GRIP 36 ULW & 48 ULW PURPLE FLASH (PK10)
S83-1804	C) FIBRE CABLE CLAMP / GRIP OVERHEAD HYBRID DROPWIRE YELLOW FLASH (PK10)
S83-1807	D) FIBRE CABLE CLAMP / GRIP OH FIBRE DROPWIRE (PK10)
S83-4001	E) FIBRE OPTIC DEAD END CLAMP ORANGE 6MM (3 WIRE) PK10
S83-1805	F) VM HELICAL CLAMP 6MM - PK10

EXTERNAL OVERHEAD & TOOLING

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ANCHORING CLAMPS FOR FRP/GRP FIGURE 8 CABLE

These anchoring clamps are designed for FRP/GRP Figure 8 Cable.

Designed with an opening conical body, two plastic wedges and a flexible 500mm bail, these anchor clamps offer a tensile strength of 750daN.

This thermoplastic body model, engineered to be mounted on distribution networks with spans up to 90m, enables the dead-ending of FTTH figure-8 drops. Available to suit 6-8mm and 8-10mm figure 8 cable.

A

B

PART NO.	DESCRIPTION
S83-1678	A) 8 TO 10MM ANCHORING CLAMP
S83-1680	B) 6 TO 8MM ANCHORING CLAMP

ANCHORING CLAMPS FOR DEAD-ENDING OF FTTH AERIAL ROUND CABLES

These anchoring clamps are designed for the dead-ending of FTTH aerial round cables from 5mm up to 8mm, with reinforced outer sheath. They are intended for installation on poles or facades, with maximum spans of 70m. Designed with a new shape for their wedges, these clamps enable an optimal cable grip. Thus, in case of overload, the pressure is distributed uniformly in order to preserve the optical cable performances. Available to suit 5-6mm and 6-8mm round cable.

PART NO.	DESCRIPTION
S83-1792	A) ANCHORING CLAMP 5-6MM ROUND CABLES
S83-1793	B) ANCHORING CLAMP 6-8MM ROUND CABLES
S83-1679	C) ANCHORING CLAMP 9-12MM ROUND CABLES

CABLE DEAD END FOR COPPER PAIRS FIG. 8 CABLES

Used for Full Termination of heavy weight Aerial Cable with 7 strands of 1.63mm. Available to suit 3-6mm and 5-8mm figure 8 cable.

The jaw pierces the messenger outer sheath, when the clamp is installed, piercing the outer sheath to grip the steel rope.

S83-3244 Ref: 016862.
S83-3243 Ref: 016970.

PART NO.	DESCRIPTION
S83-3244	CABLE LIGHTWEIGHT 3-6MM AC 7-200
S83-3243	CABLE HEAVYWEIGHT 5-8MM AC 10-320

GRIP PULLING AERIAL CABLE

Grip Pulling Aerial Cable - 'come-along clamp' - available in 2 sizes:

A) S83-0940: Used for the installation of aerial cables, sometimes referred to as a come-along clamp. Size 2A is 4-12mm. Ref: 127256.

B) S83-0993: Used for the installation of aerial cables, sometimes referred to as a come-along clamp. Size 3A is 3-9mm.

PART NO.	DESCRIPTION
S83-0940	A) GRIP PULLING AERIAL CABLE 2A (4-12MM)
S83-0993	B) GRIP PULLING AERIAL CABLE 3A (3-9MM)

FTTP BFD/CU HYBRID COME-ALONG CLAMP FOR COPPER AND FIBRE DROP CABLE

Overhead Cable Installation Tool (Come Along Clamp) but now with grip inserts for legacy 6 to 8mm cables as well as for the new flat ROC cable from Corning and EzAxS from CommScope for FTTP deployment.

Supplied with heavy duty 2 metre chain and sturdy carabiners for securing and holding tension during installation.
Ref 069586.

PART NO.	DESCRIPTION
S83-3583	COME-ALONG CLAMP FOR DROP CABLE

ANCHORING CLAMP AC68 140

A cost-effective solution for the dead-ending on poles of FTTH figure-8 cables with steel or dielectric messenger Ø 3 to 9mm deployed on distribution networks (spans up to 90m).

The AC68 140 clamp offers a tensile strength of 200daN.

Designed with a short opening and conical body, a jaw with two plastic wedges and a flexible bail.

- Simple and fast installation, requiring no tools
- Cable clamping on 60mm length
- Efficient cable grip due to the conical wedges design
- Installation with zero bend radius constraint
- Mounting on all pole line hardware with closed eye and min. Ø 15mm

For figure-8 drops Ø 6-9mm.

Bail: 140mm.
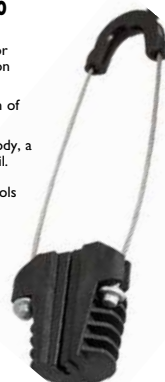
PART NO.	DESCRIPTION
S83-0100	ANCHORING CLAMP AC68 140

BARREL CLAMPS

A) Automatic stay wire wedge clamp for operating stay wire installations. For diameters: 6.1 - 6.6mm.

B) For the simple and fast dead-ending of figure-8 cables with steel messengers, comprising a conical body, a pair of wedges, a lanyard and a stainless steel bail.

S83-1880 Ref: 016980.
S83-1881 Ref: 016973.
S83-1882 Ref: 016974.

PART NO.	DESCRIPTION
S83-1880	A) BARREL CLAMP TERMINATING STAY WIRE SWC63
S83-1881	B) BARREL CLAMP SINGLE STRAND BARE WIRE 2.5MM BWC25
S83-1882	B) BARREL CLAMP MULTI STRAND BARE WIRE 4.7MM BWC47

THE ACADSS ANCHORING CLAMPS

The ACADSS anchoring clamps present an open conical body, a jaw with two plastic wedges and a flexible bail. These cable clamps are used for the termination of fibre optic round ADSS cables deployed on distribution networks where spans do not exceed 90m.

ACADSS clamps are tool-less and considerably reduce the installation time.

Cable clamp: 165mm

Span : < 90m

Available in 5 sizes for cables with diameters from 8-19mm.

PART NO.	DESCRIPTION
S83-3254	ACADSS8C FOR ROUND FIBRE OPTIC CABLE 8-10MM
S83-3255	ACADSS12 FOR ROUND FIBRE OPTIC CABLE 11-14MM
S83-3256	ACADSS14 FOR ROUND FIBRE OPTIC CABLE 13-16MM
S83-3257	ACADSS16 FOR ROUND FIBRE OPTIC CABLE 15-17MM
S83-3258	ACADSS18 FOR ROUND FIBRE OPTIC CABLE 17-19MM

DROP CABLE ANCHORING CLAMP 2.5-5MM

The drop clamp 5/35 FTTH R enables simple or double anchoring of drop cables. Recommended for round cables with diameters between 2.5 and 5mm.

Thermoplastic single-piece construction with a closed conical body, a round integral wedge secured to the body through a link and an opening bail.

Features:

- Cost-effective, single-piece design
- Simple and fast installation requiring no tools
- Efficient cable grip by conical wedging
- Manual adjustment of the lowest point of the cable by blocking the wedge on remote position
- Mounting on all pole line hardware with open or closed eye and min. Ø 10mm

PART NO.	DESCRIPTION
S83-4038	DROP CABLE ANCHORING CLAMP 2.5-5MM

DROP MANDREL CLAMP 3-4MM

The FTTH drop clamp Mini is used for the dead-ending of 3 to 4mm aerial round drop cables with flexible insulation sheath where spans do not exceed 70m. The Mini is made up of a mandrel shaped body around which the cable is wound and self-tightened.

The clamp can be secured to many different types of closed or opened hardware (min Ø 10mm holes).

PART NO.	DESCRIPTION
S83-4108	DROP MANDREL CLAMP 3-4MM

DROP MANDREL CLAMP 4-6MM

The drop wire clamp is used for the dead-ending of 4mm to 6mm aerial round drop cables distribution networks where spans should not exceed 70m.

The clamp can be secured to many different types of closed or opened hardware (min Ø 10mm holes).

PART NO.	DESCRIPTION
S83-4109	DROP MANDREL CLAMP 4-6MM

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A) SC37C 3 TO 7MM SUSPENSION CLAMP

Enables the suspension of optical or coax figure-8 cables with steel or dielectric (FRP) messengers.

B) SC711C 7 TO 11MM SUSPENSION CLAMP

Enables the suspension of optical or coax figure-8 cables with steel or dielectric (FRP) messengers.

C) ARC 6 TO 9MM AERIAL CABLE RELIEF CLAMP

Enables the suspension of figure-8 cables in Hook Aerial Cable 1 and 1A to prevent the wearing of the cable sheath on the galvanised steel hook.

D) TELENCO SUSPENSION CLAMPS FOR ROUND ADSS CABLE

Suspension Clamps for aerial round ADSS cables on drop networks where spans do not exceed 70m. The suspension clamps consist of a nylon body with a nylon bail and a neoprene sleeve. The bodies are secured around the cable with 2 clips and one tie. All parts are UV protected.

PART NO.	DESCRIPTION
S83-1706	A) SC37C 3 TO 7MM SUSPENSION CLAMP
S83-1675	B) SC711C 7 TO 11MM SUSPENSION CLAMP
S83-1677	C) ARC 6 TO 9MM AERIAL CABLE RELIEF CLAMP
S83-1685	D) TELENCO DS4 SUSPENSION CLAMP FOR 4-6MM ROUND ADSS CABLE - BOX OF 100
S83-1668	D) TELENCO DS5 SUSPENSION CLAMP FOR 5-8MM ROUND ADSS CABLE - BOX OF 100
S83-1686	D) TELENCO DS6 SUSPENSION CLAMP FOR 6-8MM ROUND ADSS CABLE - BOX OF 100
S83-1687	D) S83-1687 TELENCO DS8 SUSPENSION CLAMP FOR 8-12MM ROUND ADSS CABLE - BOX OF 30
S83-1688	D) S83-1688 TELENCO DS12 SUSPENSION CLAMP FOR 12-15MM ROUND ADSS CABLE - BOX OF 30
S83-1689	D) S83-1689 TELENCO DS15 SUSPENSION CLAMP FOR 15-17MM ROUND ADSS CABLE - BOX OF 30

RIGID CABLE PROTECTING GUARDS

- Available in 4 different sizes
- Pre-punched to aid installation
- Manufactured from high-impact PVC, for extra protection
- Supplied in 2.4m lengths
- Supplied in black.

V01-4058: (also known as capping 26)
Black PVC channel section 2440mm long x 51mm wide.

Used on walls and wooden poles for protected cable space up to 40mm in diameter.

Ref 072903.

V01-4056: (also known as capping 22)
Black PVC channel section 2440mm long x 51mm wide.

Used on walls and wooden poles for protected cable space up to 19mm in diameter.

Ref: 070316.

PART NO.	DESCRIPTION
V01-4056	19MM RIGID CABLE PROTECTOR 3M (CAPPING 22)
V01-4057	25MM RIGID CABLE PROTECTOR 3M
V01-4058	40MM RIGID CABLE PROTECTOR 3M (CAPPING 26)
V01-4059	55MM RIGID CABLE PROTECTOR 3M

A) BROWN RISER GUARD 2.4M PK10

Brown Riser Guard with pre-drilled holes for concealing cables up to a diameter of 25mm, used in conjunction with S83-5091 dual connector bend capping.

Manufactured from high impact uPVC.

Length 2.4m.

Supplied in packs of 10.

B) BROWN DOLLY CABLE ENTRY

The Brown Dolly Cable Entry is a dual connector bend capping to be used in conjunction with brown riser guard (S83-5090) and moulded as to provide a capping footer as well as a cover for the cable lead-in.

Supplied individually.
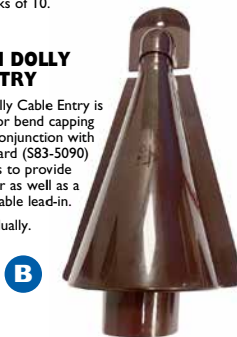
PART NO.	DESCRIPTION
S83-5090	A) BROWN RISER GUARD 2.4M PK10
S83-5091	B) BROWN DOLLY CABLE ENTRY

CAPPING STEEL NO.1

A galvanised steel channel section 2400mm long x 76mm wide pre-drilled for fixing. Used on wooden poles for protected cable space up to 19mm in diameter.

Ref: 070320.

PART NO.	DESCRIPTION
S83-2735	CAPPING STEEL NO.1

CONNECTOR BEND NO. 1

Connector Bend No. 1 or Elephant's Foot capping adaptor for use at distribution points for connecting 90mm ducts to 19mm capacity Capping Steel No. 1.

Ref: Ref 090951.

PART NO.	DESCRIPTION
S83-2758	CONNECTOR BEND NO.1

CAPPING STEEL NO.4

A galvanised steel channel section 2400mm long x 54mm wide, pre-drilled for fixing. Used on wooden poles for protected cable space up to 51mm in diameter.

Ref: 070323.

PART NO.	DESCRIPTION
S83-2736	CAPPING STEEL NO. 4

POLE DEPTH TUBE (DIP STICK)

Round rigid super high impact heavy gauge black 20mm PVC conduit.

Can be used to ensure and test that a pole has been installed to the required minimum depth appropriate for the specific pole.

The conduit is installed parallel to the pole and should be secured using S83-1967 50mm galvanised staples.

The conduit should also be capped using S83-3550 20mm pole depth tube cap.

PART NO.	DESCRIPTION
V01-1153	ROUND PVC CONDUIT BLACK 20MM 3M

CAPPING STEEL NO.5

A galvanised steel channel section 2400mm long x 80mm wide, pre-drilled for fixing. Used on wooden poles for protected cable space up to 76mm in diameter.

Ref: 070324.

PART NO.	DESCRIPTION
S83-2737	CAPPING STEEL NO. 5

GALVANISED STAPLES 65MM 5KG TUB

Specialist galvanised staples for securing pole depth tubes (dip sticks) to poles. The staples are 6mm in diameter, 65mm in depth and supplied in a 5kg tub (Approx 190 pieces).

PART NO.	DESCRIPTION
S83-1967	GALVANISED STAPLES 65MM 5KG TUB

CAPPING STEEL NO.8

A galvanised steel channel section 610mm x 100mm wide. Used on wooden poles for protecting cable space up to 89mm in diameter.

Ref: 001627.

PART NO.	DESCRIPTION
S83-1753	CAPPING STEEL NO. 8

POLE DEPTH TUBE CAP 20MM PK100

LDPE 20mm push fit cap for sealing pole depth tubes (dip sticks) to prevent water ingress. Supplied in a pack of 100.

PART NO.	DESCRIPTION
S83-3550	POLE DEPTH TUBE CAP 20MM PK100

EXTERNAL OVERHEAD & TOOLING

MILLS UNIVERSAL CBT BACK TO BACK POLE BRACKET

A galvanised pole bracket to suit most brands of CBTs (Connector Block Terminals) including Prysmian Casalink, Corning Optisheath, Hexatronic ASN and Hellerman Tyton AFN.

This two sided bracket is manufactured from 1.2mm galvanised steel, the bracket is approved for PIA application and fixes to the top of the pole using the panhead screws provided.

The bracket has 4 x 3mm, 8 x 4mm and 4 x 6mm nutserts to accept different manufacturers' CBT's.

The 'back to back' bracket is supplied with 8 x M3 x 25 Pozi Panhead Screws, 8 x M4 x 30 Pozi Panhead Screws and 8 x M6 x 30 Pozi Panhead Screws.

Each face measures 380 x 140 mm and the bracket 'stands off' 165mm, from the pole. The bracket also features a protective strip along the top edge.

Formerly S00-0978.

Ref: 095656

PART NO.	DESCRIPTION
S00-1751	MILLS UNIVERSAL CBT BACK TO BACK POLE BRACKET

MILLS BACK TO BACK BRACKET UNIVERSAL FACEPLATE

A specialist composite material block 360 x 140 x25 mm, for mounting on to the double or triple CBT brackets, for provision of legacy copper components and relieving congestion at the top of poles.

The blocks are predrilled and supplied with 2 x M6 x 30 mm panhead screws.

These composite boards have a 25 year warranty.

Bracket not included.

PART NO.	DESCRIPTION
S83-1852	MILLS BACK TO BACK BRACKET UNIVERSAL FACEPLATE

MILLS UNIVERSAL CBT 3 WAY BACK TO BACK HINGED STAND OFF POLE BRACKET

A galvanised pole bracket to suit most brands of CBTs (Connector Block Terminals) including Prysmian Casalink, Corning Optisheath, Hexatronic ASN and Hellerman Tyton AFN.

This 3 sided bracket is manufactured from 1.2mm galvanised steel, the bracket is approved for PIA application and fixes to the top of the pole using the panhead screws provided.

The bracket has 4 x 3mm, 8 x 4mm and 4 x 6mm nutserts to accept different manufacturers' CBT's.

The triple back to back bracket is supplied with 12 x M3 x 25 Pozi Panhead Screws, 12 x M4 x 30 Pozi Panhead Screws and 12 x M6 x 30 Pozi Panhead Screws. Each face measures 380 x 140 mm and the bracket 'stands off' 165mm. Ref: 100239.

PART NO.	DESCRIPTION
S00-1741	MILLS UNIVERSAL CBT 3 WAY BACK TO BACK HINGED STAND OFF POLE BRACKET

MILLS BACK TO BACK CBT BRACKET CASALINK ADAPTOR PLATE

An adaptor plate which allows all Prysmian Casalink CBT's to be fitted to older legacy double and triple brackets.

Manufactured from galvanised 1.5mm plate and supplied with 4 x M4 x 25mm Panhead Screws and washers.

*Retrofit CBT brackets also available on request for the Hexatronic ASN and Hellerman Tyton AFN.
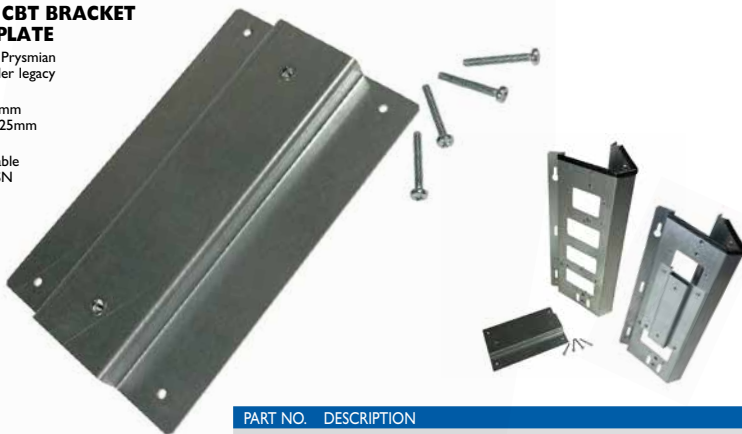
PART NO.	DESCRIPTION
S00-5092	MILLS BACK TO BACK CBT BRACKET CASALINK ADAPTOR PLATE

CREOSOTE BLEED ISOLATION KIT FOR 14" POLES

Creosoted utility poles can bleed creosote to the surface leaving a dirty and hazardous residue on the pole surface and can be a problem where the pole is located in a residential or public space where human contact is more likely.

The existing practice to resolve this issue is to wrap and batten hessian material around the pole, using 75mm nails which potentially causes damage and deterioration to the pole.

The 'Pole Creosote Bleed Isolation Kit', comprises a 2 metre width of hessian cloth and a 2 metre width fireproof fabric.

The hessian is wrapped around the pole, absorbing the creosote and is affixed with heavy duty staples or nails. The fire proof fabric is then supplied as an extra protective and smarter outer covering.

Please note the wraps should be fixed 300mm from the base of the pole to allow for hammer testing and to affix a pre climb label (C71-0629). In addition a window needs to also be cut in the wraps to expose the 3m marking.

Features:
- High performance, impermeable, tough and durable impregnated outer fabric barrier
- Highly creosote resistant
- Hessian behind the outer barrier to capture and absorb creosote
- Fireproof fabric, meets requirements of BS476 BS 476 part 6 1989: Class 0, part 7 1987: Class 1, part 20/22 - 120 minutes
- Long life; highly UV stable and weather resistant
- Quick and easy application on site using a hammer stapler
- Vertical coverage 2m

Kit comprises:
Hessian Cloth -2 metre width
Fireproof fabric - 2 metre width

PART NO.	DESCRIPTION
S83-0645	CREOSOTE BLEED ISOLATION KIT FOR 14" POLES

A) TACWISE A54 (TYPE 140) HAMMER TACKER

B) Tacwise 140/12mm Stainless Steel Staples - Box of 2000
Pack of 2000 x type 140/12mm stainless steel staples, equivalent to Stanley Type G, Rapid 140 and Arrow T50 staples.

PART NO.	DESCRIPTION
S83-0646	A) TACWISE A54 (TYPE 140) HAMMER TACKER
S83-0647	B) TACWISE 140/12MM STAINLESS STEEL STAPLES - BOX OF 2000

CONICAL POLE CAP

PIA approved accessory for overhead networks, used for protecting the top of wooden poles from water penetration to avoid the pole rotting from the head. Available in 2 sizes.

PART NO.	DESCRIPTION
S83-0101	A) CONICAL POLE CAP SMALL DIA: 130MM
S83-0102	B) CONICAL POLE CAP SMALL DIA: 160MM

A) COUNTERSUNK POLE FIXING SCREW

Pozidrive zinc plated countersunk wood screw with twin thread profile for fast installation. Supplied in boxes of 200.

B) PANHEAD POLE FIXING SCREW

Pozidrive zinc plated panhead wood screw with twin thread profile for fast installation. Supplied in boxes of 200.

PART NO.	DESCRIPTION
S83-0859	A) NO.12 X 1" COUNTERSUNK POZI WOOD SCREW PK 200
S83-2927	A) NO.12 X 1.1/2" COUNTERSUNK POZI WOOD SCREW PK 200
S83-2928	A) NO.12 X 2" COUNTERSUNK POZI WOOD SCREW PK 200
R02-1662	A) NO.12 X 2.1/2" COUNTERSUNK POZI WOOD SCREW PK 200
S83-1823	A) NO 12 X 3" COUNTERSUNK POZI WOOD SCREW PK 200
R07-1747	B) NO.12 X 1" PANHEAD POZI WOOD SCREW PK 200
R07-1748	B) NO.12 X 1.1/2" PANHEAD POZI WOOD SCREW PK 200
R07-1749	B) NO.12 X 2" PANHEAD POZI WOOD SCREW PK 200

FOR CATENARY PRODUCTS

SEE PAGE 443

EXTERNAL OVERHEAD & TOOLING

A) EYEBOLT EXPANDING 1A

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M6 thread. This is the preferred method of attaching a dropwire to brickwork at end users premises. Overhead single point fixing bolt. Ring size: 12mm. Required hole size: 12mm x 50mm. Box 20. Ref: 016445.

B) EYEBOLT EXPANDING 2A

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M10 thread. This is the preferred method of attaching a dropwire to the end users premises, where the walls are rendered. Ring size: 14mm. Required Hole size: 16mm diameter x 95mm depth. Box 20. Ref: 016442 / 021689 / 023041.

C) M8 EYEBOLT

Eyebolt M8 x 95mm for use with Catenary Wire Kits (R02-7028) and associated accessories.

Provides temporary or permanent anchorage in stone, concrete or brickwork. Supplied with shield, washer and hex nut.

D) EYEBOLT EXPANDING 2B

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M10 thread and a length of 205mm. This is the preferred method of attaching a dropwire to the end users premises, where the walls are clad. Ring size 23mm ID with 40mm OD. Ref: 023041.

E) EYEBOLT EXPANDING 2C

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M10 thread and a length of 255mm. This is the preferred method of attaching a dropwire to the end users premises, where the walls are heavily clad. Ring size 23mm ID with 40mm OD. Ref: 76274.

PART NO.	DESCRIPTION
S83-1853	A) EYEBOLT EXPANDING 1A PKT 20
S83-0901	B) EYEBOLT EXPANDING 2A PKT 20
R02-7024	C) M8 EYEBOLT PKT 20

PART NO.	DESCRIPTION
S83-2626	D) EYEBOLT EXPANDING 2B PKT 5
S83-2628	E) EYEBOLT EXPANDING 2C PKT 5

A) BOLT EXPANDING 1A

Zinc plated steel stud with an M10 thread. Used in joint boxes and manholes to fix Cable Bearers (S83-3203-S83-3208) and Steps Manhole No.2 (S83-3217). Size M10 x overall Length 85mm. Designed for use in an 12mm diameter hole. Supplied in a pack of 20. Ref: 071906.

B) BOLT EXPANDING 2A

M10 x 90mm (Overall Length 105mm) expansion bolt with a 30mm diameter washer requiring a 16mm hole to be drilled into concrete or brickwork. Supplied in boxes of 25. Ref: 021689.

C) STUD EXPANDING 1A

Zinc plated steel stud with an M6 thread (similar to Eyebolt Expanding 1A).

Used when securing S83-2724 Bracket 32 and S83-9215 Wall Plate 5A to brickwork. Designed for use in an 8mm diameter hole. Ref: 016303.

PART NO.	DESCRIPTION
S83-2869	A) BOLT EXPANDING 1A PKT 20
S83-1773	B) BOLT EXPANDING 2A BOX OF 25
S83-1854	C) STUD EXPANDING 1A PKT 20

FULL RANGES OF SCREWS AND FASTENERS

SEE PAGES 436-441

CRANKED COMBINATION SPANNERS

Combination Spanners - cranked at 20 degrees to prevent knuckles from rubbing on brickwork and general masonry.

A) 10mm combination spanner for installing Bolt Expanding 1a, Eyebolt Expanding 1a and other 10mm hexagon headed fixings.

Ref: 127468

B) 17mm combination spanner for installing Bolt Expanding 2a, Eyebolt Expanding 2a and other 17mm hexagon headed fixings.

Ref: 129393/141751.

PART NO.	DESCRIPTION
H72-1771	A) 10MM COMBINATION SPANNER
H72-1772	B) 17MM COMBINATION SPANNER

STAPLES GALVANISED

A) Galvanised steel staple, "U" shaped approximately 40mm wide and used to retain single strand suspension wire to poles when making a termination.

Ref:16270.

B) Galvanised steel staple, "U" shaped approximately 50mm wide. Used to retain multi strand suspension wire and CAC's to poles when making a termination.

Ref: 016271.
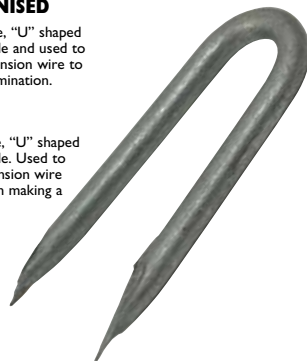
PART NO.	DESCRIPTION
S83-2857	A) 40MM STAPLE PK 1KG
S83-2858	B) 50MM STAPLE PK 1KG

Mills

FIBRE DROP CABLE CLEATS PK100

Specialist cable cleats for CommScope Easy Access and Corning ROC Drop Cable.

Supplied in black.

Pack of 100.

PART NO.	DESCRIPTION
R02-2587	FIBRE DROP CABLE CLEATS PK100

CABLE CLEATS FOR HYBRID CABLE COF 820 PK 100

Specialist Cable Cleats for Hybrid Cable COF 820.

Supplied in black.

Pack of 100
Ref 080809.

PART NO.	DESCRIPTION
R02-4312	CABLE CLEATS FOR HYBRID CABLE COF 820 PK 100

A) CABLE TIE TENSIONER 5A (PLASTIC) 2.4 - 4.6

Lightweight and durable cable tie gun, squeeze trigger to tension, twist to cut. For nylon cable ties 2.5 - 4.8 mm. Ref: 126820.

B) CABLE TIE TENSIONER 7A (PLASTIC) 4.6 - 7.6

Lightweight and durable cable tie gun, squeeze trigger to tension, twist to cut. For nylon cable ties from 4.8 - 7.6 mm.

C) CABLE TIE GUN

Cable tie gun with automatic cut-off in one simple pull of a trigger. Designed for use on nylon cable ties with widths from 2.2 to 4.8mm and a thickness up to 1.6mm.

D) MILLS CABLE TIE REMOVAL TOOL

A simple tool for quick, easy and safe removal of most sizes of cable ties.

PART NO.	DESCRIPTION
S83-0945	A) TENSIONER 5A (PLASTIC) 2.4 - 4.6
S83-0853	B) TENSIONER 7A (PLASTIC) 4.6 - 7.6
S57-3005	C) PROFESSIONAL CABLE TIE GUN
S57-4005	D) S57-4005 MILLS CABLE TIE REMOVAL TOOL

CABLE FIXING STRAPS

Suitable for a variety of applications, such as cable binding or harnessing. Supplied in a pack of 100 with the exception of S83-0896 which is supplied in 50.

- Manufactured from UL approved virgin nylon 6/6
- General operating temperature: -40°C to 85°C
- Flammability rating: UL94V-2 (self-extinguishing within 30 seconds)
- UV resistant for outdoor use (black ties only)
- Black ties are halogen free
- RoHS compliant

PART NO.	DESCRIPTION
S83-2703	1C BLACK 100MM X 2.5MM (T18R) - PKT 100
S83-0904	1A BLACK 270MM X 4.8MM(LK2A) - PKT 100
S83-0896	10A BLACK 540MM X 13.0MM (LK5B) - PKT 50
S00-3121	BLACK 540MM X 8MM - PKT 100
S83-2704	1C NATURAL 100MM X 2.5MM (T18R) - PKT 100
S83-2929	1A NATURAL 270MM X 4.8MM (LK2A) - PKT 100

FOR OUR FULL RANGE OF CABLE TIES

CABLE FIXING STRAP 12A (REL180)

Black, releasable cable tie for use in overhead cabling. Ideal for temporary fastening.

Size: 180mm x 7.5mm.

Supplied in packs of 50.

PART NO.	DESCRIPTION
S83-0886	CABLE FIXING STRAP 12A (REL180)

DEFECTIVE POLE LABEL A1024 LILAC PACK OF 10

The Mills A1024 label is used to identify and record defective poles.

Supplied in packs of 10. Also available in yellow C00-1787.

PART NO.	DESCRIPTION
S83-1915	DEFECTIVE POLE LABEL A1024 LILAC PACK OF 10

PRE-CLIMB CHECK LABEL FOR POLES

White tear-proof label to be fixed 75-150mm from the base of the pole prior to climbing, using Pin Steel No 2 (S83-0857) to mark pre-climb inspection check.

Size 125 x 25 mm.
Supplied in a pack of 50.

Ref: 068269.
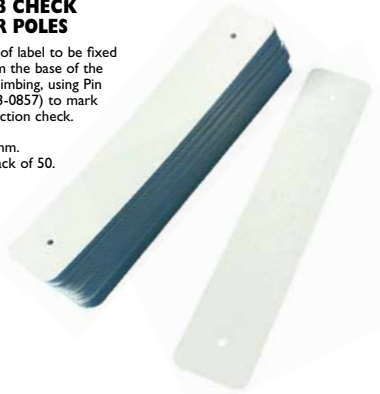
PART NO.	DESCRIPTION
S83-1755	PRE-CLIMB POLE INSPECTION CHECK LABEL - PK 50

FIBRE OPTIC LASER WARNING LABEL

Self adhesive label for use on singlemode fibre applications to warn of laser hazards associated with un-capped connectors and adaptors.

Digital permanent adhesive, vinyl gloss laminated.

Colour: Yellow

A) Dimensions: 55mm x 70mm

B) Dimensions: 25mm x 50mm

PART NO.	DESCRIPTION
S83-1751	A) FIBRE OPTIC LASER WARNING LABEL 55MM X 70MM
S83-1752	B) FIBRE OPTIC LASER WARNING LABEL 25MM X 50MM

CAUTION OVERHEAD FIBRE LABEL PACK OF 10

FDC Identification label stating CAUTION OVERHEAD FIBRE should be fixed to wooden poles above the Pole Test Label or at eye level.

Attached to the pole using S83-0857 Pins Steel No.2 7/8 inch (not included). Size: 70 x 70mm. No longer PIA requirement. Ref: 046116

PART NO.	DESCRIPTION
S83-0634	CAUTION OVERHEAD FIBRE LABEL PACK OF 10

PERMANENT MARKER PENS IN BLACK, GOLD AND WHITE

A) S83-0948. Permanent waterproof black marker pen for most surfaces with 0.6mm fine nib thickness providing smudge proof and waterproof qualities on almost all surfaces. Low odour ink and can be left uncapped for days without drying up. Ref: 129408.

B) C71-9824. Permanent waterproof gold marker pen for most surfaces with fine nib thickness providing smudge proof and waterproof qualities on almost all surfaces. (Formerly S83-0960). Ref: 129392.

C) S83-0381. Premium quality oil-based white paint marker pen can be used on almost any surface. Non-toxic conforms to ASTM D4236 EN71-3, lightfast and water resistant.

D) C71-9820. Premium quality oil-based white paint marker pen can be used on almost any surface. Non-toxic conforms to ASTM D4236 EN71-3, lightfast and water resistant.

E) C71-9826. Retractable marker for easy one-handed operation. Safety Seal valve design helps prevent dry out. No cap to remove or lose. Permanent as well as fade and water resistant on most service.
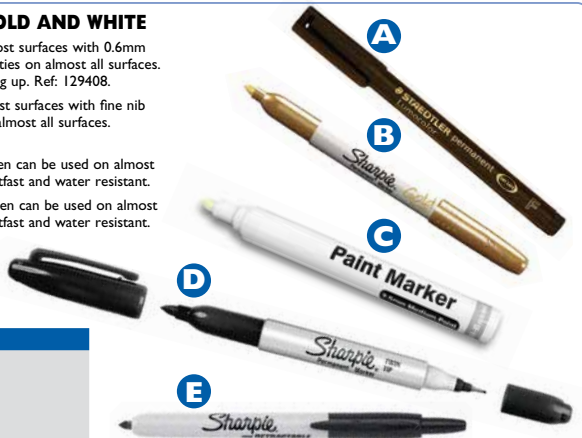
PART NO.	DESCRIPTION
S83-0948	A) PEN MARKER NO.1
C71-9824	B) PEN MARKER GOLD NO.2
S83-0381	C) WHITE PAINT MARKER 2.5MM TIP
C71-9820	D) TWIN TIP FINE & ULTRA FINE BLACK (PK12)
C71-9826	E) RETRACTABLE FINE TIP BLACK (PK12)

PIANOI CABLING LABEL WHITE - PACK OF 250

For the identification of newly provided cables, eleven pre printed fields should be completed with a Pen Marker No 1.

The 100mm x 35mm labels are supplied in reels of 250 and have 4 x 6mm pre cut holes in each corner for affixing into position using cable ties.

PART NO.	DESCRIPTION
C71-0629	PIANOI CABLING LABEL WHITE - PACK OF 250

BROTHER STANDARD TZE-641 LAMINATED TAPE 18MM YELLOW

This Brother TZe-641 labelling tape cassette is guaranteed to provide you with crisp, sharp and easily readable labels that last.

Suitable for use in Internal, External Overhead and Underground fibre identification. 18mm wide, 8m long.

PART NO.	DESCRIPTION
C92-4957	BROTHER STNDARD TZE-641 LAMINATED TAPE 18MM YELLOW

BRADY PRINTABLE PIA TAG FOR BMP61 35MM(W) X 102MM(H) - WHITE

Brady's B-7597 Fully printable PIA tag has been developed to keep power, network, voice and data cables organised and running effectively. This tag remains legible and stays attached in harsh conditions.

A) Box of 50. **B)** Box of 250.

PART NO.	DESCRIPTION
C28-0402	A) BRADY PRINTABLE PIA TAG FOR BMP61 35MM(W) X 102MM(H) WHITE (BOX 50)
C28-0400	A) BRADY PRINTABLE PIA TAG FOR BMP61 35MM(W) X 102MM(H) WHITE (BOX 250)

BRADY PRINTABLE PIA TAG FOR BMP61 35MM(W) X 102MM(H) - YELLOW

Brady's B-7597 Fully printable PIA tag has been developed to keep power, network, voice and data cables organised and running effectively. This tag remains legible and stays attached in harsh conditions.

A) Box of 50. **B)** Box of 250.

PART NO.	DESCRIPTION
C28-0403	A) BRADY PRINTABLE PIA TAG FOR BMP61 35MM(W) X 102MM(H) YELLOW (BOX 50)
C28-0481	B) BRADY BMP61-B7597-35X102-YL-BLNK PIANOI CABLE TAGS 35MM(W) X 102MM(H) YELLOW - PACK OF 250

HELLERMANNTYTON TIPTAG TIE-ON CABLE LABEL 11 X 100MM PK120

The Tiptag HF (Halogen Free) cable markers have been designed to identify microduct and cable bundles. Print from the reel with HellermannTyton's premium range of thermal transfer printers.

Colour: Yellow.

Size: 11mm x 100mm.

Supplied on a reel of 120.

PART NO.	DESCRIPTION
C71-0423	HELLERMANNTYTON TIPTAG TIE-ON CABLE LABEL 11 X 100MM PK120

FOR OUR FULL RANGE OF LABELS, PRINTERS AND ACCESSORIES

SEE PAGES 424-435

DP POLE LETTERS AND NUMBERS

A selection of popular letters and numbers for pole identification. Black lettering or numbering on a 40mm plastic disc with two pre-drilled holes. The discs can be affixed to the pole using Pin Steel No 2 (S83-0857).

Packs of 50.

PART NO.	REF	DESCRIPTION
S83-2810	000463	LETTER POLE PLASTIC A (PKT 50)
S83-2811	000464	LETTER POLE PLASTIC B (PKT 50)
S83-2812	000465	LETTER POLE PLASTIC C (PKT 50)
S83-2813	000466	LETTER POLE PLASTIC D (PKT 50)
S83-2814	000467	LETTER POLE PLASTIC E (PKT 50)
S83-2815	000468	LETTER POLE PLASTIC J (PKT 50)
S83-2816	000469	LETTER POLE PLASTIC L (PKT 50)
S83-2817	000470	LETTER POLE PLASTIC M (PKT 50)
S83-1810	025777	LETTER POLE PLASTIC N (PKT 50)
S83-1809	000479	LETTER POLE PLASTIC P (PKT 50)
S83-2818	000460	LETTER POLE PLASTIC S (PKT 50)
S83-2819	000462	LETTER POLE PLASTIC T (PKT 50)
S83-1811	025778	LETTER POLE PLASTIC W (PKT 50)
S83-2999	000470	NUMBER POLE PLASTIC 0 (PKT 50)
S83-2824	000471	NUMBER POLE PLASTIC 1 (PKT 50)
S83-2825	000472	NUMBER POLE PLASTIC 2 (PKT 50)
S83-2826	000473	NUMBER POLE PLASTIC 3 (PKT 50)
S83-2827	000474	NUMBER POLE PLASTIC 4 (PKT 50)
S83-2828	000475	NUMBER POLE PLASTIC 5 (PKT 50)
S83-2829	000476	NUMBER POLE PLASTIC 6 (PKT 50)
S83-2830	000477	NUMBER POLE PLASTIC 7 (PKT 50)
S83-2831	000478	NUMBER POLE PLASTIC 8 (PKT 50)
S83-2832	000479	NUMBER POLE PLASTIC 9 (PKT 50)

FOR K-TYPE MARKERS

SEE PAGES 424-425

POLE PLATE LABELS - PACKS OF 10

C (Shallow Climbable) Green Plate Label - Pkt 10
The pole is marginally shallow, but is OK to climb as long as additional rules are followed.

D (Defective) Red Plate Label - Pkt 10
The pole is "defective" or "unsatisfactory"
- the pole should not be climbed.

H (Hazard Plate) Orange Label - Pkt 10
The pole is within 1 metre of a defined hazard (spiked railings etc)-MEWP access only, but full range of engineering activities are permitted.

J (Joint User Pole) White & Black Label - Pkt 10
Used to identify a joint user pole on a DNO provided pole.

SD (Shallow Depth) Red Plate Label - Pkt 10
The pole is planted at a shallow depth, these are not currently prioritised for renewal. They must not be climbed, but can be worked on from a MEWP. Work permitted includes renewal of existing drop wires and attachment of new drop wires, but not aerial cables.

Z (Safe Climb Zone Pole) Green Label - Pkt 10
The pole is within 1 metre of a defined hazard, but has been assessed as having a safe climb zone, which allows those who have obtained accreditations to access.

PART NO.	DESCRIPTION
S83-0378	C (SHALLOW CLIMBABLE) GREEN PLATE LABEL PKT 10
S83-0376	D (DEFECTIVE) RED PLATE LABEL PKT 10
S83-0379	H (HAZARD PLATE) ORANGE LABEL PKT 10
S83-0390	J (JOINT USER POLE) WHITE & BLACK PLATE LABEL PK10
S83-0377	SD (SHALLOW DEPTH) RED PLATE LABEL PKT 10
S83-0380	Z (SAFE CLIMB ZONE POLE) GREEN PLATE LABEL PKT 10

EXTERNAL OVERHEAD & TOOLING

Mills EST. 1919

PRYSMIAN CASALINK CBTs

The Casalink Block Terminal (CBT) is a pre-connectorised closure designed for use in the external environment with an IP rating of IP68.

The closure comes in three sizes, 4, 8 and 12 Drop and can be supplied with splitters installed including unbalanced splitters to allow connecting multiple boxes to one another.

The closure is supplied sealed so the internal workings cannot be tampered with.

Additionally a separate mounted bracket is supplied to ease the installation when working at height.

CBTs with splitters pre-installed are supplied without feeder cable.

Features and Benefits:
- Compact design.
- Minimal visual impact.
- Quick and easy access.
- Easy to install.

Testing:
- Dry Heat: IEC60068-2-2
- Change of Temperature: IEC60068-2-14
- Damp Heat: IEC60068-2-78
- Head Of Water: IEC60068-2-17 (Test QF)
- Vibration: IEC60068-2-6
- Shock: IEC60068-2-27

Technical Data:
- Required space envelope (mm):
  4f (h) 176 x (w) 134 x (d) 92
  8f (h) 176 x (w) 134 x (d) 129
  12f (h) 176 x (w) 178 x (d) 129
- Operating temperature:
  -20 degrees C to
  + 60 degrees C (5 to 95% RH)
- Material: 10% Glass Filled Polypropylene
- Colour: Black

Prysmian Group

A

B

C

D

E

FOR MORE PRYSMIAN ENCLOSURES SEE PAGES 98-107

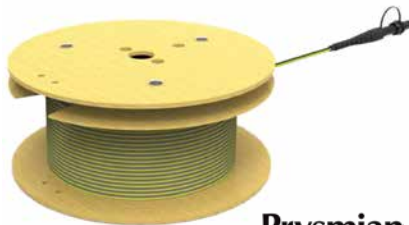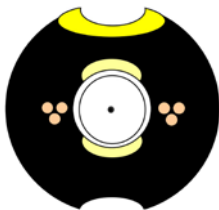| PART NO.	DESCRIPTION	PORTS
XCPSC03917	A) Prysmian Casalink CBT with 4 SC/APC Outputs 1:4 Balanced Splitter & 1x SC/APC Input	4
XCPSC03741	A) Prysmian Casalink CBT with 4 SC/APC Outputs & 100m Pre-installed Cable	4
XCPSC03740	B) Prysmian Casalink CBT with 8 SC/APC Outputs & 100m Pre-installed Cable	8
XCPSC03888	B) Prysmian Casalink CBT with 8 SC/APC Outputs 1:8 Balanced Splitter & 1x SC/APC Input	8
XCPSC03926	C) Prysmian Casalink CBT with 12 SC/APC Outputs & 100m Pre-installed Cable	12
XJTSC03350	D) Prysmian CBT Half Size MOBRA Kit	
XJTSC02405	E) Prysmian UMJ CMJ MMJ Casalink Mobra Mounting Bracket	

EXTERNAL OVERHEAD & TOOLING

PRYSMIAN CASALINK DROP CABLES

Prysmian CasaLink Block Terminal (CBT) Drop Cables are of a single fibre design terminated at one end with an SC/APC connector.

This connector is housed in a shroud and has a pulling eye to support installation.

The terminated end is secured into the Casalink BlockTerminal (CBT), and the unterminated end is spliced at the customer premises.

In addition to pre-terminated CBT drop cables, a termination kit is also available that provides all the components for local termination.

Visit www.millsltd.com for more info

PART NO.	DESCRIPTION
XPCSC01138	PRYSMIAN CASALINK BLOCK TERMINAL 1F DROP CABLE 20M PIA APPROVED
XPCSC01141	PRYSMIAN CASALINK BLOCK TERMINAL 1F DROP CABLE 35M PIA APPROVED
XPCSC01214	PRYSMIAN CASALINK BLOCK TERMINAL 1F DROP CABLE 65M PIA APPROVED
XPCSC01215	PRYSMIAN CASALINK BLOCK TERMINAL 1F DROP CABLE 105M PIA APPROVED
XPCSC01159	PRYSMIAN CASALINK BLOCK TERMINAL 1F DROP CABLE 160M PIA APPROVED
XPCSC01680	PRYSMIAN CASALINK BLOCK TERMINAL 1F DROP CABLE 350M PIA APPROVED

PRYSMIAN CASALINK CUSTOMER TERMINATION PRODUCTS

A) PRYSMIAN CASALINK CBT CUSTOMER DROP CABLE TERMINATION KIT 3MM

For the termination of alternative customer drop cable enabling the fibre termination to interface with Prysmian Casalink CBTs.

B) PRYSMIAN CBT POLE STRAP KIT

The Prysmian CBT Pole Strap kit is used to fix a CBT to a pole. The Clamps are made from stainless steel for durability and strength.

C) PRYSMIAN CASALINK CBT CONNECTOR TOOL PK5

The Prysmian CBT Connector tool is used to loosen and tighten the shroud used on customer drops or the input of splitter versions of the CBT.

Supplied in a pack of 5.

D) PRYSMIAN CASALINK CTB EXTERNAL CUSTOMER TERMINATION BOX MK1

The CTB External Customer Termination Box is a wall mounted product that can be used for splicing the CBT drop cable to the Internal External cable that enters the house.

PART NO.	DESCRIPTION
XKTSC01443	A) PRYSMIAN CASALINK CBT CUSTOMER DROP CABLE TERMINATION KIT 3MM
XKTSC01442	A) PRYSMIAN CASALINK CBT CUSTOMER DROP CABLE TERMINATION KIT 6MM
XCPSC03749	B) PRYSMIAN CBT POLE STRAP KIT
XKTSC01437	C) PRYSMIAN CASALINK CBT CONNECTOR TOOL PK5
XCPSC03744	D) PRYSMIAN CASALINK CBT EXTERNAL CUSTOMER TERMINATION BOX MK1

PRYSMIAN 36F, 48F AND 96F ULTRA LIGHT-WEIGHT ULW OVERHEAD AND UNDERGROUND CABLE

These multi-unit optical drop cables are designed for aerial and/or duct applications and are suitable for use under 11kV power cables.

A) PRYSMIAN 36F ULTRA-LIGHT WEIGHT (ULW) CABLE (2KM REEL)

Layout: 3 x 12 singlemode fibres. Cable Diameter: 7.0mm

B) PRYSMIAN 48F ULTRA-LIGHT WEIGHT (ULW) CABLE (2KM REEL)

Layout: 4 x 12 singlemode fibres. Cable Diameter: 7.1mm

The fibre is supplied in a 2km length on plywood reels, longer lengths are available on request.

C) PRYSMIAN 96F OPTICAL AERIAL DROP CABLE (ULW) (2KM DRUM)

Layout: 4 units x 12 fibres. Cable diameter: 7.1mm

PART NO.	DESCRIPTION
60082615	A) 36F ULTRA-LIGHT WEIGHT (ULW) (2KM REEL)
60050990	B) 48F ULTRA-LIGHT WEIGHT (ULW) (2KM REEL)
60098854	C) PRYSMIAN 96F OPTICAL AERIAL DROP CABLE (ULW) (2KM DRUM)

THE NOVUX HARDENED TERMINALS (CBTs)

Configurable, Scalable, Simple

Whatever the application, wherever you need to mount them, NOVUX hardened terminals are ready. The built-in mounting tabs and mounting strap feature easy, direct mounting onto a strand, flat surface, pole, pedestal, or within a hand hole. Alternatively, to ease installation and maintenance, CommScope's universal mounting bracket can be used in all mounting applications. With one common platform, installation across the series is easy and efficient and is backed by consistent documentation and training.

NOVUX hardened terminals
Up to 40% smaller *Compared to existing MST terminals with universal mounting brackets

Widest variety of technologies available from a single platform
- Single- and multi-fibre, splitters, optical tap, fibre indexing, and on-demand hybrid configurations

Application flexibility for new builds and upgrades
- Extended choice of cable types and sizes; stubless configurations
- Minimised footprint for optimal port count and terminal size
- Black and gray colors for ease of concealment

Ready for the field workforce of the future
- Unique network identification with ID plate and QR code
- Uniform installation practices and documentation speeds cross-training
- Digital access to all product information powered by CommScope cTrak® app

Agile global supply chain backed by common platform design and processes
- Multiple global locations with local manufacturing advantage
- Industry-renowned local field expertise and support

COMMSCOPE®
Distributor

NOVUX single-fibre terminals

- Ideal for single-family unit communities
- Up to 12 ports
- Point-to-point (P2P) or splitter configurations

NOVUX multi-fibre terminals

- Ideal for multi-fibre applications
- Up to 12 ports
- 2 to 12 fibres per port

NOVUX optical tap terminals

- Reduce deployment costs in rural or low-density applications
- Plug-and-play 2, 4, 8 drops

NOVUX fibre indexing terminals

- Leverage innovative fibre indexing for new builds
- 12 and 24 fibres

Each terminal in these applications is from the NOVUX HT Series. They're designed to adapt to your application—sharing connection capabilities, a unique product information system, a mounting platform, and customer configurability. While NOVUX hardened terminals are helping build your network, they're building your long-term profitability, because one terminal works for all your applications in all your deployments.

EXTERNAL OVERHEAD & TOOLING

NOVUX hardened terminals

NOVUX HT	TECHNOLOGIES AVAILABLE	SMALL	MEDIUM	LARGE
HST Series	**Single-fiber: P2P/no splitters**	2 ports	6 ports	12 ports
		4 ports	8 ports	
	Single-fiber: P2P w/splitters	2 ports, 1x1:2	8 ports, 2x1:4	12 ports, 3x1:4
		4 ports, 1x1:4	8 ports, 1x1:8	
	Hybrid for multi-use		7 ports, 1x1:4 splitter, 3 P2P	12 ports, 1x1:8 splitter, 4 P2P
		4 ports, 1x1:2 splitter, 2 P2P	8 ports, 1x1:4 splitter, 4 P2P	11 ports, 2x1:4 splitter, 2 P2P, 1 HMFOC 4f

HMT Series	**Multi-fiber**	Up to 24f	Up to 24f	Up to 24f
		2 ports, each 2, 4, 6, 8 or 12f	6 ports, each 2, 3 or 4f	12 ports, each 2f
		3 ports, each 2, 4, 6, or 8f	8 ports 2 or 3f	
		4 ports, each 2, 4, or 6f		

HTT Series	**Optical taps**	2 drops	4 drops	8 drops

HXT Series	**Fiber indexing**	12 fiber index only, 1f	12 fiber 1:4	12 fiber 1:8
		12 fiber index only, 2f	12f multi-use 2f + 1:4	12 fiber multi-use, 3f +1:4
		12 fiber index only, 3f	24f multi-use 2f	12 fiber multi-use, 4f +1:4
		12 fiber index only, 4f	24f multi-use 3f	12 fiber multi-use, 2f +1:8
		12 fiber multi-use, 2f	24f multi-use 4f	
		12 fiber branching, 2 to 6f per port		

For further information and to configure your Novux hardened terminal solution, please contact our sales department.

**Key information to assist with configuration:**

- Indexing Requirement
- Number of Ports
- Housing Colour -Black, Grey
- Cable Type
- Tap Configuration
- Splitter Configuration
- Underground or Overhead Mounting Accessory
- Drop Fibre Assembly and Length

COMMSCOPE®
Distributor

Ring sales for *ordering guide* or visit: www.millsltd.com

THE MILLS POLEMATE SYSTEM

The Polemate range of products and accessories has been specifically designed in conjunction with telecom engineers to assist field operational staff with the installation of telecommunication equipment. The Polemate system comprises of a pole-mounting base unit to which splicing trays and a cable reel stands can quickly and easily be attached providing a stable platform whilst on site. In addition many of the components are interchangeable with the Mills Pitmate System, shown on our website: **www.millsltd.com**. The Mills Polemate system can be supplied as modular components or as a complete Polemate kit.

MILLS POLEMATE KIT

A
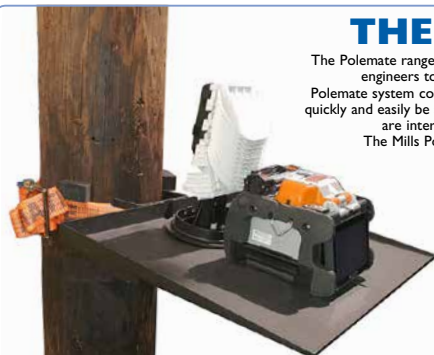
Kit comprises;

S83-7430 Base Unit

S83-7623 Rubber Wedge Spacers Pk3

S83-7629 Splicer's Work Tray

S83-7624 CBT Arm

Polemate Base Unit   …with General Tray   …with Splicer's Tray   …with CBT Reel Arm

MILLS POLEMATE BASE UNIT

B

The foundation of the Polemate system is this Polemate Base Unit which comprises a 50mm wide x 1200mm long webbing ratchet strap and a pole back plate, which can be simply ratcheted to the desired height on the pole.

MILLS POLEMATE BASE UNIT WITH SPLICER'S WORKTRAY

C

This kit contains a 50mm wide x 1500mm long webbing strap with back plate and splice table with slicer tripod fixing 508mm x 408mm.

Strap Dimensions 50mm width x 1500mm in length. Splice Tray 508mm width x 408mm depth x 2mm thickness. Total weight 5.2Kg.

SPLICER'S WORK TRAY

D

A purpose-made splicer's tray that simply slots into the S83-7430 Polemate Base Unit providing a firm work support for both joint, splicer, cleaver and associated tools.

Dimensions: Width 508mm x Depth 408mm x Thickness 2mm.

CBT ARM

E

A specialist 500mm long bracket for use in the installation and controlled de-reeling of CBT Cable Reel Assemblies up to a diameter of 830mm. The CBT Arm System allows the reel to be unreeled in a controlled manor due to the interference fit of the spindle flanges.

GENERAL WORKING TRAY

F

Easily slipped into the S83-7430 Mills Polemate Base Unit Bracket providing a firm work support for general service and maintenance applications. Dimensions: 508mm x 258mm.

RUBBER WEDGE SPACER PK3

G
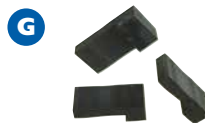
Pack of 3 wedge-shaped rubber spacers which can be used to prevent compression marks and avoid damage to vertically routed copper cables. Dimensions: Length 100mm x Width 50mm wide x Thickness 15/30mm.

PART NO.	DESCRIPTION
S83-9327	A) MILLS POLEMATE KIT
S83-7430	B) MILLS POLEMATE BASE UNIT
S83-6958	C) MILLS POLEMATE BASE UNIT WITH SPLICER'S WORKTRAY
S83-7629	D) MILLS POLEMATE / PITMATE SPLICER'S WORK TRAY
S83-7624	E) MILLS POLEMATE / PITMATE CBT ARM
S83-7431	F) MILLS POLEMATE / PITMATE GENERAL WORKING TRAY
S83-7623	G) MILLS POLEMATE RUBBER WEDGE SPACER PK3

A) ANCHOR SCREW STAY NO 1

Used as a ground anchorage when staying poles. Installed by a pole erection unit. Supercedes Rod Stay 2.

B) ANCHOR STAY NO.2

Anchor system for securing a variety of communication equipment including telecom poles, mobile satellites, antennas and masts. Its simplicity and speed of installation make it perfect in a temporary or permanent capacity. Ref: 046837.

C) INSULATOR STAY 2

Made of Vitreous Porcelain and used for insulating pole stays in the proximity of power lines. Colour: Brown. Size: 114mm long x 75mm wide. Ref: 012501.

D) ANCHOR STAY NO.2 STRESSING JACK

Manual loadlock stressing jack used in the installation of Anchor Stay No.2.

The SJI stressing Jack is used to position, tension and stress the anchor stay, once installed using the Installation Drive Rod Set.

E) ANCHOR STAY NO.2 INSTALLATION DRIVE ROD SET

Rod set for the installation of Anchor Stay No.2.

Comprising:
- Drive End - Fits into the Anchor head
- Extension rod
- Coupler
- 32 x 160 shank - To fit into a heavy breaker

Maximum installed depth: 2000mm.
Shank Size: 32 x 160mm Hexagonal.

F) ANCHOR DRIVE ROD REMOVERS

Rod Removers are used to assist with the removal of the S83-1897 Drive Rods after installation of an anchor. The unique shape of the set allows for easy removal in difficult ground conditions where removal by hand may be impossible. These tools can be used by 1 person or 2 people depending on the force required and are a lightweight removal solution. Supplied in pairs.

G) FLEXIBLE STAY WIRE 6.3MM X 100M

Flexible stay wire made of hot dip galvanised steel engineered with 7 strands with a diameter of 2.1mm each.

H) TENSIONER WIRE STAY

A lever-operated tensioning tool used for tensioning stay wires. Ref 126259.

I) VERTICAL STAY BRACKET

The Vertical Stay Bracket allows poles to be stayed with a much reduced B:H ratio which in many cases will enable jobs to be completed without the need to employ either stout Poles, or non standard solutions.

Site circumstances sometimes prevent the anchor being installed at the min 1:2 position, but using a vertical stay bracket, an anchor can be provided as little as 600mm from the pole. Ref: 068313.

J) STAY GUARD WITHOUT PIGTAIL 1.82M

Designed to identify stay wires and cable installations where anchoring devices are exposed to pedestrian and/or vehicular traffic. Length 1.82m.

EXTERNAL OVERHEAD & TOOLING

PART NO.	DESCRIPTION
S83-2718	A) ANCHOR SCREW STAY NO 1
S83-1896	B) ANCHOR STAY NO.2
S83-2997	C) INSULATOR STAY 2
S83-1899	D) ANCHOR STAY NO.2 STRESSING JACK SJI
S83-1897	E) ANCHOR STAY NO.2 INSTALLATION DRIVE ROD SET
S83-3814	F) ANCHOR DRIVE ROD REMOVERS
R02-1735	G) FLEXIBLE STAY WIRE 6.3MM X 100M
S83-0805	H) TENSIONER WIRE STAY
S83-1860	I) VERTICAL STAY BRACKET
S83-1875	J) STAY GUARD WITHOUT PIGTAIL 1.82M

MILLS POLE HORSE

An essential aid for all pole installers, allowing poles of all dimensions to be supported while pole furniture is added or removed prior to or post installation. The Mills pole support benefits from flat feet plates and safety support chains. The horse pole can quickly be folded flat for ease of storage.

Ref: 126681.

PART NO.	DESCRIPTION
S83-2653	HORSE POLE

TWISTER POLE

Plate type pole twister, used to align poles after installation. Comprising a curved plate 300mm x 175mm with 2 barbs which presses into the wood, this plate is attached via a 6mm wire rope to a levering eye which is wrapped around the pole. A crow bar (Mills S83-3679 or S00-1226 not supplied) is then passed through the levering eye to allow the pole to be twisted into the desired position.

Ref: 127112.

PART NO.	DESCRIPTION
S83-0768	TWISTER POLE

A) MILLS POLE TESTING AUGER BIT

A specialist auger bit used in conjunction with S83-0765 Brace Coach Screw for testing for the presence of internal decay in poles. The tool diameter is 4.75mm (3/16") with an overall length of 178mm (7"). Ref 112089.

B) MILLS PROBE POLE TESTER

A specialist tool to detect external decay on wooden poles. The tool has a 150mm hardened blade with a ring milled 30mm (1 1/4") from the end of the spike, to easily and quickly indicate signs of rotting or decomposition of the pole. Overall length 250mm. Ref: 122540.

PART NO.	DESCRIPTION
S83-0572	A) MILLS POLE TESTING AUGER BIT
S13-0806	B) MILLS PROBE POLE TESTER

TWISTER POLE LEVER TYPE

Hand-operated lever-type pole twister for the alignment of poles after installation.

This lever-type pole twister has a forged handle with teeth at the front edge giving better grip to the pole.

The 130cm length with large forged hook allows the operator to use both hands giving extra leverage to twist stubborn poles. Overall length 130cm.

PART NO.	DESCRIPTION
S83-2991	TWISTER POLE LEVER TYPE

POLE SOCK

Safety sock used when transporting poles. Manufacturered from heavy duty reinforced PVC canvas material with alternating red and white 85mm wide warning stripes.

The bag is 110cm long x 60cm wide and will accept poles up to a diameter of 35cm with a webbed seamed top and 5mm draw strip and button toggle to secure it around the pole during transportation.

PART NO.	DESCRIPTION
S83-0885	POLE SOCK

MILLS POLE BOGIE

Pole Bogie for transporting wooden poles over rough terrain. Manufactured from high quality steel, with 400mm pneumatic wheels. The pole bogie has two 50mm fully adjustable webbing straps capable of handling poles with diameters of up to 200mm. The bogie can be supplied with a tow bar for quad bike or vehicle towing.

The pole bogie can be used in relatively confined spaces having an axle width of 720mm.

Ref: 122505.

PART NO.	DESCRIPTION
S83-1813	MILLS POLE BOGIE

HYDRAULIC UTILITY POLE JACK

Hydraulic Pole Jack provides safe, secure, reliable method for extracting utility poles, offering 10T vertical lift to aid the extraction of old or out of specification poles.

Specifications:

- Closed Height: 0.80m
- Extended Height: 1.25m
- Chain Length: 1.5m
- Shipping Dimensions:
  1 x 0.5 x 0.3m
- Shipping Weight: 53kg
- Maximum Working Pressure: 200BAR

PART NO.	DESCRIPTION
S83-2081	HYDRAULIC UTILITY POLE JACK

HYDRAULIC HOSE SET FOR POLE JACK

Set of two hydraulic hoses for use with S83-2081 Pole Jack.

Fittings: 3/**8**"

Diameter: 1/4"

Length: 10 metres

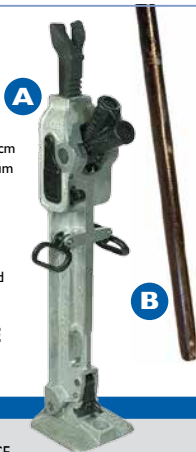| PART NO.	DESCRIPTION
S83-4386	HYDRAULIC HOSE SET FOR POLE JACK

A) POLE JACK (8 TONNE)

A hand operated 8 tonne jack with a rack & pinion mechanism designed for pole pulling, shifting, straightening and recovering applications.

Lifting capacity from 95.5cm (closed height) to 150.20cm (fully extended height) producing a stroke range of 54.7cm

Jack housing manufactured from aluminium

Base dimensions 21cm x 21cm.

The S83-2677 Pole Jack is designed for pole pulling applications. Pole chain (S83-0736) and base plate (S83-1057) are ordered separately.

Jack design specifications meet or exceed ANSI /ASME B30.1 Safety Standards

B) BAR OPERATING LARGE

For use with Pole Jack
S83-2990- 41cm long. Ref: 110402.

Ⓐ
Ⓑ

PART NO.	DESCRIPTION
S83-2677	A) POLE JACK (8 TONNE)
S83-2990	B) BAR OPERATING LARGE

BASE PLATE (FOR MANUAL POLE JACK S83-2677)

Aluminium I-Beam base for S83-2677 Pole Jack.

20cm x 20cm with a height of 51cm

Support capacity: 15 tons

Weight 20kg

PART NO.	DESCRIPTION
S83-1057	BASE PLATE (FOR MANUAL POLE JACK S83-2677)

CHAIN JACK POLE (FOR MANUAL POLE JACK S83-2677)

High tensile 16mm link chain for use with Jack Pole with a support weight of 15 tonne and lifting weight capacity of 8 tonne.

Total length 2 metres
Ref: 112550.

PART NO.	DESCRIPTION
S83-0736	CHAIN JACK POLE (FOR MANUAL POLE JACK S83-2677)

3 TONNE RATCHET CHAIN PULLER

UA double lever ratchet chain block used for assisting with pole erection. The block has a pulling force of with 3048kg and maximum lift of 1.5m.

Features:

- Rated capacity 3 tonne
- Maximum Lift 1.5m
- Minimum Distance between lifts
- 10mm welded and certified chain
- Length of handle 41cm
  (available separately S83-2990)
- Dimensions
  200 x 18.5 x 11.5cm
- Weight 20kg

PART NO.	DESCRIPTION
S83-0932	3 TONNE RATCHET CHAIN PULLER

Mills EST. 1919

TENSIONER 3A

Lorry lashing, short end with ratchet and twisted snap hook connector. Manufactured from 50mm wide polyester orange webbing with a MBL of 5000kg when used as a two part assembly. Used with strap tensioner 1A (S83-0920) and straps tensioning 2A (S83-0862).

PART NO.	DESCRIPTION
S83-0921	TENSIONER 3A

SLING WIRE ROPE 1A

Galvanised steel wire rope lifting sling, with reeving thimbles to each end, 1.5m length x 1500kg SWL, each supplied marked with unique serial number and SWL, complete with Report of Thorough Examination Certificate.

Ref: 112555.

PART NO.	DESCRIPTION
S83-0879	SLING WIRE ROPE 1A

STRAP TEMPORARY HOLD NO. 1

Used with Hook Temporary Hold No.1

Supplied with a ratchet buckle.

1 metre strap (700m working length).

Minimum breaking load: 1000kg.

PART NO.	DESCRIPTION
S83-0963	STRAP TEMPORARY HOLD NO.1

HOOK TEMPORARY HOLD NO. 2

Used as a temporary cable support whilst erecting and tensioning aerial cables, supplied complete with strap.

PART NO.	DESCRIPTION
S83-0737	HOOK TEMPORARY HOLD NO.2

STRAP TENSIONING 1A

45mm webbing strap, 3m long terminated with a 90 degree twist snap hook, used with Tensioner 3A for securing poles on pole erection units.

Ref: 126760.

PART NO.	DESCRIPTION
S83-0920	STRAP TENSIONING 1A

STRAP TENSIONING 2A

45mm webbing strap. 3m long terminated with a D buckle. Used with Tensioner 3A for securing poles on pole erection units.

Ref: 126761.

PART NO.	DESCRIPTION
S83-0862	STRAP TENSIONING 2A

DUPLEX WEBB SLING 1M X 1T - SLING 4A

Duplex flat webbing sling, 1 metre length x 1000kg (purple), with soft eye each end. Double thickness 60mm wide polyester webbing, manufactured to conform to BS 3481 Part 2. Each sling is labelled with a unique serial number.

Ref: 126742.

PART NO.	DESCRIPTION
S83-0863	DUPLEX WEBB SLING 1M X 1T - SLING 4A

DUPLEX WEBB SLING 2M X 1T - SLING 5A

Duplex flat webbing sling, 2 metre length x 1000kg (purple), with soft eye each end. Double thickness 60mm wide polyester webbing, manufactured to conform to BS 3481 Part 2. Each sling is labelled with a unique serial number.

Ref: 126743.

PART NO.	DESCRIPTION
S83-0864	DUPLEX WEBB SLING 2M X 1T - SLING 5A

DUPLEX WEBB SLING 3M X 1T - SLING 6A

Duplex flat webbing sling, 3 metre length x 1000kg (purple), with soft eye each end. Double thickness 60mm wide polyester webbing, manufactured to conform to BS 3481 Part 2. Each sling is labelled with a unique serial number.

Ref: 126744.

PART NO.	DESCRIPTION
S83-0918	DUPLEX WEBB SLING 3M X 1T - SLING 6A

ROUND SLING 3M X 1000KG URLT/012123 - SLING 10A

Round sling, 3000kg. Manufactured from polyester and conforming to BS 6668, each sling is individually labelled with a unique serial number, date of manufacture, length and WLL.

Ref: 126774.

PART NO.	DESCRIPTION
S83-0919	ROUND SLING 3M X 1000KG URLT/012123 - SLING 10A

LINE SASH 2

Line Sash No 2. Polypropylene rope 4mm used when installing Dropwire. Useful when laid across roads due to its 'dead' property. Supplied on a 132m reel.

BT spec: MA 294.
Construction: 8 plait.
Nominal Diameter: 4mm.
MBL: 1kN.
Material: Polypropylene.

Ref: 127429.

PART NO.	DESCRIPTION
S83-0787	LINE SASH 2

LINE SASH 15

Line Sash No 15. Polypropylene rope 8mm diameter, supplied on a hank of 50m.

BT spec: MA 294
Construction: 8 plait
Nominal Diameter: 8mm
MBL: 8.5kN
Material: Polypropylene

Ref: 127430.

PART NO.	DESCRIPTION
S83-0788	LINE SASH 15

SUPARULE CABLE HEIGHT METER

The Suparule is a handheld Cable Height Meter instrument for measuring cable height distance, sag and overhead clearance. It is the present day alternative to measuring poles. The Suparule uses ultrasonic signals to identify the height of overhead cables up to 50 feet / 15 metres. Ideal for operators in the utilities industry such as telecommunications and electricity.

The Superule works by emitting short bursts of sound, allowing the microprocessor to calculate the elapsed time for these sounds to be reflected from the cable back to the instrument. Results can then be displayed in either metric or imperial units.

Range:
- 25mm Cable 3-15m
- 12mm Cable 3-15m
- 5.5mm Cable 3-12m
- 2.5mm Cable 3-10m

Features:
- 0.5kg Weight
- Compact Size
- Auto Power Off
- 50,000 Measurement Battery Life
- 0.5% ± 2 Digits Accuracy
- Single Wire Measurement

PART NO.	DESCRIPTION
S83-2993	SUPARULE HEIGHT METER CHM190

MILLS PROP RAISING TELESCOPIC 6.2M

The Prop Raising Telescopic is an insulated telescopic rod which can extend to 6.2 metres and is used as a temporary support for aerial drop cables that require maintenance and have drooped below 5.2 metres.

The prop is manufactured from non conductive GRP and can collapse to a closed storage length of 1.8 metres.

The prop features a fabricated wire cage which assists in gathering the cable prior to lifting and repositioning.

PART NO.	DESCRIPTION
S83-2024	MILLS PROP RAISING TELESCOPIC 6.2M

A) MILLS ROD TELESCOPIC 7 METRE

A 7 metre telescopic fibreglass rod to enable installers and other personnel involved with overhead work to gauge the clearance height of dropwire at road crossings.

The rods telescopic, has recently been updated to a more highly visible yellow colour, and benefits from the following additional features:

• Aluminium sectional rings to prevent fraying of the individual sections
• QR Code to carry date of manufacture date and operating instruction
• Larger clear and wider 4mm markings
• 10mm wide top tip red marking

Rod Telescopic Storage Length: 116cm
Rod Telescopic Weight: 700g
Ref: 008874.

Item	Description of clearance	Nominal System Voltage (kV), Minimum Clearance (m)					
		≤ 33 (NOTE 2)		66	132	275	400
		B	EI				
1	Line conductor at any point not over road. (NOTE 3).	5.2	5.2	6.0	6.7	7.0	7.3
2	Line conductor to road surface other than as specified in 3,4 and 5. (NOTE 4).	5.8	5.8	6.0	6.7	7.4	8.1
3	Line conductor to road surface of designated '6.1 m high load vehicle' routes. (NOTE 5).	6.9	6.9	7.1	7.5	8.5	9.2
4	Line conductor to motorway road surface where scaffolding is used on: a) normal 3 lane motorways b) Elevated 2 lane motorways. (NOTE 6 & 7).	14.0 11.0	14.0 11.0	14.2 11.2	14.6 11.6	15.6 12.6	16.3 13.3
5	Bare live metalwork, e.g. transformer terminals, jumper connections, etc. (NOTE 8).	4.3	NA	4.3	Controlled Zone Safety Rules Apply		

IMPORTANT: Openreach regulations state the minimum installation height of a dropwire must be at least 5.5 metres and further, that poles must not be accessed by ladder should a connecting dropwire be found to be below a height of 5.2 metres.

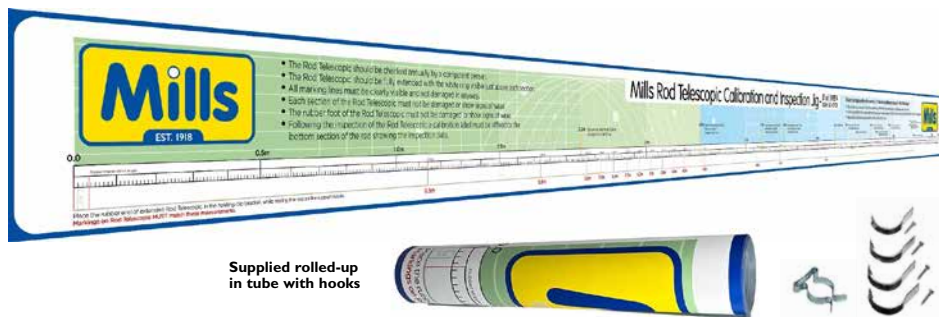## B) MILLS ROD TELESCOPIC CALIBRATION AND INSPECTION JIG BANNER

A specialist graphic for periodic calibration and inspection of Rod Telescopic BT ref: 008874. (Mills S83-0741 / S83-0723)

This calibration jig is supplied in a heavy duty 0.5mm UV Display Polyester banner format (7500 X 500mm) which needs be affixed using double sided tape (not supplied) to a back board 7500 x 500mm (not supplied)

The Mills Rod Telescopic Calibration and Inspection Jig Banner is an essential product for companies operating fibreglass rods, which enable installers and other personnel involved with overhead work to gauge the clearance height of dropwire at road crossings.

The following describes the method of checking calibration using the S83-0774 Mills Rod Telescopic Calibration and Inspection Jig Banner:

• Pull out inner-most section of rod (white painted tip) until marker ring of section is just visible above the next section.

• Continue to extend further sections of the rod (ensuring all marker rings are visible) until the desired height marking (5.9m or 6.5m) is obtained.

• Place next to calibration measurement using Mills Rod Telescopic Calibration and Inspection Jig Banner to check continued accuracy.

Supplied rolled-up in tube with hooks

PART NO.	DESCRIPTION
S83-0741	A) MILLS ROD TELESCOPIC 7 METRE
S83-0774	B) MILLS ROD TELESCOPIC CALIBRATION AND INSPECTION JIG BANNER

A) MILLS DRUM-MATE

A horizontal, stable and lightweight cable dispenser with patented braking system to allow controlled unreeling and reeling of most cable and flexible conduit from reels weighing up to 380kg with bores from 13mm (without mandrel) and from 50mm (with mandrel).

Similar to the X Board, the Drum Mate has spring arms ideal for the dispensing of non reeled cable, as well as making it suitable for unwinding cable from broken or damaged cable-reels.

The Mills Drum Mate weighs less than 7kg and has 7 rubber feet for stability and prevention of damage to floor surfaces.

These features make the Drum Mate a '4 in 1' universal cable dispenser:

1) For standard reeling and unreeling of most cable drums up to a weight of 380kg with minimum bores from 13mm (without mandrel) and from 50mm (with mandrel).

2) For dispensing cable rings, flexible conduit pipe,vein cables and cable from damaged cable-reels

3) For controlled dispensing of non reeled cable or ducting supplied in "pizza boxes" or similar packaging with centres.

4) For loose or 'end of reel' cable, which can be quickly and easily re wound on to the Drum Mate up to a diameter of 500mm (20") prior to installation

PART NO.	DESCRIPTION
S00-9770	A) MILLS DRUM-MATE
S00-9776	B) MILLS DRUM-MATE REPLACEMENT 50MM MANDREL

B) DRUM-MATE REPLACEMENT 50MM MANDREL

Replacement 50mm Mandrel for the Mills Drum-Mate and Drum-Mate Junior.

A) MILLS DRUM-MATE JUNIOR

A compact, horizontal, stable and lightweight cable dispenser with patented braking system to allow controlled unreeling and reeling of most cable and ducts from smaller reels, typically up to 350mm (14") with a weight up to 190kg. The Drum-Mate Junior is supplied with both a 30mm and 50mm mandrel to suit most popular drum spindle bores. The Mills Drum Mate Junior is ideal for dispensing of fibre, telco, satellite and CCTV cable and has a base dimension of 250mm (10") .Weighing just 1.1kg makes it easy to store in smaller size vans. The dispenser has 5 rubber feet for stability and prevention of damage to floor services.

Features:

• Patented Braking System for controlled dispensing of cable and ducting
• Suitable for all cable reels with 50mm (2") bore up to a weight of 380kg
• Supplied with both a 30mm and 50mm (2") mandrel to suit most popular drum spindle bores
• Suitable for damaged cable drums
• Weighs less than 1.1kg
• 5 Rubber feet for stability and prevention of damage to floor covering

PART NO.	DESCRIPTION
S00-9772	A) MILLS DRUM-MATE JUNIOR
S00-9775	B) MILLS DRUM-MATE REPLACEMENT 30MM MANDREL
S00-9776	C) MILLS DRUM-MATE REPLACEMENT 50MM MANDREL

B) DRUM-MATE REPLACEMENT 30MM MANDREL

Replacement 30mm Mandrel for the Mills Drum-Mate and Drum-Mate Junior.

C) DRUM-MATE REPLACEMENT 50MM MANDREL

Replacement 50mm Mandrel for the Mills Drum-Mate and Drum-Mate Junior.

A) MILLS 24" CABLE A FRAME DRUM STAND DISPENSER

24 Inch Universal Cable Reel Stand - Suits drums up to 600mm diameter, 500mm width and weight of 100kg.

Dimensions:
780 x 750 x 180mm
Weight: 10kg
Ref: 4566:
Formerly S00-1200

B) CABLE DRUM CONES FOR CABLE A FRAME

A pair of tapered cones designed to be used in conjunction with the S13-1200 (Formerly S00-1200) Mills Cable A Frame, allowing smooth dispensing of cable from single or multiple cable drums.

PART NO.	DESCRIPTION
S13-1200	A) MILLS 24" CABLE A FRAME DRUM STAND DISPENSER
S13-0464	B) MILLS CABLE DRUM CONES FOR CABLE A FRAME

EXTERNAL OVERHEAD & TOOLING

RUNPOTEC X BOARD 500 CABLE AND FLEXIBLE CONDUIT DISPENSER

The X-Board XB 500 is a horizontal cable reel stand design for quick and effortless reeling and unreeling of most cable reel with a maximum weight capacity of 800kg.

- Universal cable drum rewinder and unwinder
- Suitable for all types of cables, pipes, wires and cable drums
- Loadable up to 800 kg
- Excellent for damaged cable drums
- Also suitable for loose cable bundles
- Unwinding of 2 cable bundles simultaneously
- Non-slip and stable base.

Ref: 106766.

XBoard 500 Dimensions:

L 530 x B 530 x H 150 mm	Load bearing capacity: 800 kg
Diameter: Ø 500 mm	Drum width: variable
Weight: 6,35 kg	Height: 133 mm

PART NO.	DESCRIPTION
S00-4350	RUNPOTEC X BOARD 500 CABLE AND FLEXIBLE CONDUIT DISPENSER

RUNPOTEC X BOARD XB500+ CABLE DISPENSER

The X-BOARD XB500 plus with its adjustable spring loaded arms is a universal device for winding and dispensing cable drums and is ideal when installing Connectorised Block Terminals (CBTs) with pre-installed cables.

It's suitable for all types of cable, rope and conduit drums, enabling trouble-free and efficient working without the tangles. Excellent for damaged cable drums.

- Load bearing capacity 800Kg
- Rubber feet to ensure a non-slip and secure positioning whilst protecting floor surfaces
- XBoard Height 133mm
- XBoard Diameter 500mm

PART NO.	DESCRIPTION
S00-3283	RUNPOTEC X BOARD XB500+ CABLE DISPENSER

RUNPOTEC X BOARD 500 MULTI FUNCTION MANDREL

The multi-function mandrel has been specially developed for the S00-4350 X BOARD XB 500 cable rolling system. Loose cable bundles can be rolled by attaching them to the stainless steel centre mandrel of the X Board and then folding out the 4 side brackets.

The telescopic centre mandrel measures 72 mm in diameter making it ideal for rolling a thinner cable bundle with a small inner diameter or individual wires. The normal height of the multi-function mandrel is 196 mm, which can be extended up to max. 294 mm via the telescopic mechanism.

PART NO.	DESCRIPTION
S83-2029	RUNPOTEC X BOARD 500 MULTI FUNCTION MANDREL

RUNPOTEC X BOARD SET OF 4 REPLACEMENT ARMS WITH MANDREL

Set of 4 Replacement Arms with Mandrel for the S00-3283 Runpotec X Board XB500+ Cable Dispenser.

PART NO.	DESCRIPTION
S00-4352	RUNPOTEC X BOARD SET OF 4 REPLACEMENT ARMS WITH MANDREL

FTTP BFD/CU HYBRID COME-ALONG CLAMP FOR COPPER AND FIBRE DROP CABLE

Overhead Cable Installation Tool (Come Along Clamp) but now with grip inserts for legacy 6 to 8mm cables as well as for the new flat ROC cable from Corning and EzAxS from CommScope for FTTP deployment.

Supplied with heavy duty 2 metre chain and sturdy carabiners for securing and holding tension during installation.
Ref 069586.

PART NO.	DESCRIPTION
S83-3583	COME-ALONG CLAMP FOR DROP CABLE

GRIP PULLING AERIAL CABLE

Grip Pulling Aerial Cable - 'come-along clamp' - available in 2 sizes:

A) S83-0940: Used for the installation of aerial cables, sometimes referred to as a come-along clamp.
Size 2A is 4-12mm. Ref: 127256.

B) S83-0993: Used for the installation of aerial cables, sometimes referred to as a come-along clamp.
Size 3A is 3-9mm.
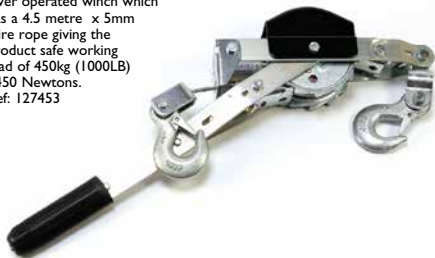
PART NO.	DESCRIPTION
S83-0940	A) GRIP PULLING AERIAL CABLE 2A (4-12MM)
S83-0993	B) GRIP PULLING AERIAL CABLE 3A (3-9MM)

TENSIONER 2B

Ratchet tensioner tool for aerial cable erection and recovery. The Tensioner 2B is a drive lever operated winch which has a 4.5 metre x 5mm wire rope giving the product safe working load of 450kg (1000LB) 4450 Newtons.
Ref: 127453

PART NO.	DESCRIPTION
S83-0925	TENSIONER 2B

PULLEY DROPWIRE

Pulley drop wire No.4 and No. 6 are one way snatch block type pulley used during the erection and installation of dropwire cable. Both are similar, but the No 6 incorporates a clam cleat.

A) No 4 Ref: 127580.
B) No 6 Ref: 047036.

PART NO.	DESCRIPTION
S83-2685	A) PULLEY DROPWIRE 4
S83-2686	B) PULLEY DROPWIRE 6
S83-5100	C) REPLACEMENT SAFETY CLIP FOR NO.4 & NO.6 PULLEY DROPWIRE

2/4A ABOVE GROUND CLOSURE (UNDER EAVES ENCLOSURE)

The 2/4A Above Ground Closure is widely used on buildings where communication wires and drop wires have to be joined externally and designed to accommodate 8A style and other gel filled crimps.
Options for 1, 2 or 3 cable entry points. Complies with BT Specification LN684 Issue 3 2005. IP54 rated. Product dimensions - 140 x 50 x 20mm approx. Replaces Box Connection 16A and Block Terminal 66B
Ref: 026014 & 005974.

PART NO.	DESCRIPTION
S83-1683	2/4A ABOVE GROUND CLOSURE (UNDER EAVES ENCLOSURE)

DISPENSER SASH LINE

Sash line dispenser used with Dispenser Dropwire to aid dispensing of Sash Line.
250mm diameter with PVC handle grip, 5mm sash line feeding eye, six spoke spindle and winding handle.
Manufactured from stainless steel for strength and longevity.
Weight 1kg.
Ref: 126356.

PART NO.	DESCRIPTION
S83-0782	DISPENSER SASH LINE

DISPENSER DROPWIRE 2C

A specialist cable stand and dispenser, manufactured from tubular steel construction dropwire dispenser with an adjustable tensioning device to prevent overrun of the drum. The drum is held by means of a spring loaded spindle. The unit further benefits from telescopic handle giving a collapsed height 600mm.

The 2B has now evolved to a 2C with the modification of the spindle which is now less than 100mm in length and replaces the legacy mechanism allowing for much easier loading procedure.
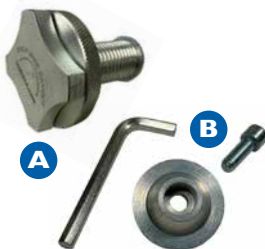
Ref: 127548 / 126468.

PART NO.	DESCRIPTION
S00-8432	DISPENSER DROPWIRE 2C

REPLACEMENT PARTS FOR DISPENSER DROPWIRE 2C

A) Mills Replacement Spindle with Locking Ring for Dispenser Dropwire 2C

B) Spindle Cap and Bolt for Mills Dropwire Dispenser 2C

PART NO.	DESCRIPTION
S00-1245	A) MILLS REPLACEMENT SPINDLE WITH LOCKING RING
S83-9211	B) SPINDLE CAP AND BOLT

MILLS AXLE SPINDLE SET

A specialist axle kit supplied with flange and adjustment pin designed to allow fibre drop cable to be dispensed from the Mills 2C Dropwire Dispenser or legacy 2B Drop Dispenser, with the replacement of the spindle and locking nut to the Mills new spindle and locking nut S00-8432. Accepts 380mm diameter fibre drop reels with 34mm bores and widths between to 0- 130mm.

PART NO.	DESCRIPTION
S83-9210	MILLS AXLE SPINDLE SET

STRAP LASHING NO.1

Webbing strap 1 metre in length by 25mm wide, attached permanently to a small load lashing device. Used to secure S00-8426 Dropwire Dispenser to poles during the erection of dropwires.

PART NO.	DESCRIPTION
S83-1956	STRAP LASHING NO.1

MILLS BELT POLE 1B

Used with Dispenser Dropwire 1 to tie off sash line at the base of a pole.

A 1m x 50mm webbing strap with adjustable securing buckle, the strap adjoins a plate, a sashline cleat, toggle and arrow showing direction of use.

Each strap has an individual identity number.

Ref: 126966.

PART NO.	DESCRIPTION
S83-3949	MILLS BELT POLE 1B

A) LYTE 5B LE5BEQ 3 SECTION ALUMINIUM TELECOMS EXTENSION LADDER 5.96 METRES

BT 5B aluminium 2.5m triple extension ladder featuring comfortable 1.6m wall D rung profie, pole rung support to allow ladder to swivel on its own fixing, double safety catch, fitted with nylon rollers for easy operation and minimum effort. Supplied with lashing rope and ferrule fittings. Closed height 2.5m.Extended height 5.96m.
Ref: 126403.

- Certified to BS2037 Class1
- Unique aluminium 'butterfly' rung
- Double safety catch and a lashing rope to ensure safety when in use
- Nylon rollers fitted to the bases and middle sections
- Weight: 18.5kg

A

C

B) LYTE 7A L7EQ 3 SECTION GLASSFIBRE TELECOMS EXTENSION LADDER 6.0 METRES

BT 7A / 7B Extreme heavy duty use GRP triple extension ladder favoured by major utilities companies due to its durability, functionality and reputation. Ideal for telecoms users and any work needed around electrical hazards, power lines, lamp posts and telegraph poles.
Ref: 128706

- Open Height: 6.00 metres
- Closed: 2.50 metres
- Number of sections: 3
- Rungs per section: 8
- Weight: 23.0 kg

B

C) LADDER TIE

Used to leash Ladders Extension 5B and 7A when working on poles. An 8m x 6mm leash supplied with end stiffeners to allow pole ladders to be secured using the fourth run to a pole, when the ladder is angled at a four up, one out ratio. Supplied in a plastic wallet with full operating instructions. Ref 127688.

PART NO.	DESCRIPTION
S00-1481	A) LYTE 5B LE5BEQ 3 SECTION ALUMINIUM TELECOMS EXTENSION LADDER 5.96 METRES
S00-9028	B) LYTE 7A L7EQ 3 SECTION GLASSFIBRE TELECOMS EXTENSION LADDER 6.0 METRES
S83-0789	C) LADDER TIE

HEIGHT SAFETY

Items **B**,**C** and **D** are available individually or as complete kit **A**

A) Complete Belt Safety Kit

The Ridgegear specialist harness kit is designed for the telephone utilities, and comprises:

- Fall Arrest Lanyard (shown as **B**)
- Safety Harness (shown as **C**)
- Work Positioning Belt (shown as **D**)

Kit components are also available separately:

B) Fall Arrest Lanyard

Fall arrest lanyard comprising 50mm web shock absorber and 1.7m of 12m integral kernmantel rope lanyard. Fully tested to BSEN 355.

C) Safety Harness

Multi Purpose Harness for most purposes. Fully tested to BSEN 358 and 361.

D) Work Positioning Belt

Restrain Belt for fixing work position at height. Fully tested to BSEN 3358.

In the interests of safety, these items are non-returnable and non-refundable.

A **C**

B

D

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
S83-0887	A) BELT SAFETY 11A COMPLETE KIT (SMALL)	S83-3185	C) SAFETY HARNESS (SMALL)
S83-0888	A) BELT SAFETY 11A COMPLETE KIT (MEDIUM)	S83-4034	C) SAFETY HARNESS (MEDIUM)
S83-0889	A) BELT SAFETY 11A COMPLETE KIT (LARGE)	S83-4035	C) SAFETY HARNESS (LARGE)
S83-0890	A) BELT SAFETY 11A COMPLETE KIT (EXTRA LARGE)	S83-4036	C) SAFETY HARNESS (EXTRA LARGE)
S50-0657	B) FALL ARREST LANYARD	S50-0656	D) WORK POSITIONING BELT

EXTERNAL OVERHEAD & TOOLING

TETRA LEANING LADDER & POLE KIT

Complete Leaning Ladder & Pole Kit as used by Openreach Engineers.

Comprising:
- 1 x Cow's Tail including Small Twist Lock Karabiners and Large Scaffold Karabiner
- 2 x 12mm Diameter Reusable Ladder Tie Bolt
- 2 x 6 Metre Ladder Strap with Cam Buckle & Karabiners
- 1 x Hi Vis Ladder Yoke
- 1 x Rope Grab including Twist Lock Karabiner
- 1 x 10 metre x 11mm Diameter Static Kernmantle Rope including Aluminium Scaffold Karabiner
- 1 x Day Glow Tape Sling complete with 7 sewn loops for securing ladders to pole
- 1 x Storage Bag Medium
- 1 x 12.5mmØ SDS Plus Masonry Drill Bit

Through constant testing of Tetra systems on different types of ladders, the maximum weight limit for Tetra systems and the rope grab is 136Kg (21st 5lbs).

This item is non returnable and non refundable.

PART NO.	DESCRIPTION
S00-0984	TETRA LEANING LADDER & POLE KIT

TETRA SECOND LADDER KIT

Complete Second Ladder Kit as used by Openreach Engineers.

Comprising:
- 2 x 6 Metre Ladder Strap with Cam Buckle & Karabiners
- 1 x Hi Vis Ladder Yoke
- 1 x 10 metre x 11 mm Diameter Static Kernmantle Rope including Aluminium Scaffold Karabiner
- 1 x Day glow tape sling complete with 7 sewn loops for securing ladders to pole
- 1 x Storage Bag Medium

Through constant testing of Tetra systems on different types of ladders, the maximum weight limit for Tetra systems and rope grab is 136Kg (21st 5lbs).

This item is non returnable and non refundable.

PART NO.	DESCRIPTION
S00-0988	TETRA SECOND LADDER KIT

TETRA FLAT ROOF KIT

Complete Flat Roof Kit as used by Openreach Engineers comprising 20mm Reuseable Eyebolt, 3 Metre Kernmantle Rope and Karabiner, 20 mm SDS Plus Masonry Drill Bit.

Comprising:
- 1 x 20mm Reuseable Eyebolt for Flat Roof Use
- 1 x 3 Metre Kernmantle Rope and Karabiner for Flat Roof Use
- 1 x 20 mm Ø SDS Plus Masonry Drill Bit

Through constant testing of Tetra systems on different types of ladders, the maximum weight limit for Tetra systems and rope grab is 136Kg (21st 5lbs).

This item is non returnable and non refundable.

PART NO.	DESCRIPTION
S00-1025	TETRA FLAT ROOF KIT

RIGGING HEAD 1A

For installing rigging lines in hollow poles.

This device is used for threading cable up the inside of hollow telegraph poles. It is used by screwing the head on to Rod Duct No.2 and pushing it up the inside of the telegraph pole. A weight attached to a length of rope drops down the outside of the pole, leaving the pole threaded by rope. Cable can then be fed through. Ref: 126687.

PART NO.	DESCRIPTION
S83-0781	RIGGING HEAD 1A

RIGGING WEIGHT 1A

Sash weight 0.8kg for use with Rigging Head 1A (S83-0781) to assist with cabling on hollow poles. The weight is tapered and manufactured from plated steel and supplied with snap key ring hook.

Ref: 126676.

PART NO.	DESCRIPTION
S83-0936	RIGGING WEIGHT

A) MILLS RIGGING HEAD TO 6MM COBRA ADAPTOR M6

A fixed adaptor to be used with S83-0781 Rigging Head for cabling application on hollow poles. The adaptor screws and locks into the rigging head, and can be joined to a 6mm Cobras.

B) MILLS RIGGING HEAD TO 9/11/14MM COBRA ADAPTOR M12

A fixed adaptor to be used with S83-0781 Rigging Head for cabling application on hollow poles. The adaptor screws and locks into the rigging head, and can be joined to a 9, 11 or 14mm Cobra.

PART NO.	DESCRIPTION
S83-0769	A) MILLS RIGGING HEAD TO 6MM COBRA ADAPTOR M6
S83-0764	B) MILLS RIGGING HEAD TO 9/11/14MM COBRA ADAPTOR M12

FOR OUR FULL RANGE OF CONTINUOUS RODDING
SEE PAGES 116-118

MILLS STAR LOCK PILLAR KEY FOR HUAWEI CABINETS

A multi-purpose star shaped key for use on normal copper cabinets as well as Huawei and ECI DSLAM's Cabinets.

This key is similar to the standard S13-0804 triangular pillar key but has further semi-circular recesses that allow it to be used on both copper and fibre cabinets.

Ref: 051547.

PART NO.	DESCRIPTION
S13-1635	MILLS STAR LOCK PILLAR KEY FOR HUAWEI CABINETS

KEY PILLAR

A multi purpose triangular shaped key for use on hollow poles, cross connection cabinets, distribution pillars and jointing posts.

Ref: 114996.

PART NO.	DESCRIPTION
S13-0804	KEY PILLAR

MILLS BELT POCKET

A heavy duty tool bag and pouch manufactured for the telecommunication engineer from heavy grade cordura with robust fully adjustable webbing belt. This toolholder features 4 pockets (1 large, 1 medium and 2 small) and is ideal for storage of hand tools, cleats and consumables. The base and corners of the belt pocket have been reinforced with 2 layers of material.

Dimensions: Width 260mm x Height 375mm.
Ref: 058524 / 129466.

PART NO.	DESCRIPTION
S83-0845	MILLS BELT POCKET

A) MILLS TOOL BAG LIFTING HANGER

A specialist 6mm sprung wire lifting hanger used in conjunction with Mills Super Wide Opening Tool bags (B72-5810 and B72-5811) by linesman working at height.

B) MILLS JUNIOR TOOL BAG

High quality super-wide opening multi-pocketed bags with shoulder straps and soft sides to not only protect expensive tools and testers, but also to prevent damage to customers walls and floors. Now with reinforced plastic base.

PART NO.	DESCRIPTION
R02-4674	A) MILLS TOOL BAG LIFTING HANGER
B72-5811	B) MILLS JUNIOR TOOL BAG

Mills EST. 1919

EXTERNAL
OVERHEAD
& TOOLING

FOR OUR RANGE OF DIGGING TOOLS

SEE PAGES 218-221

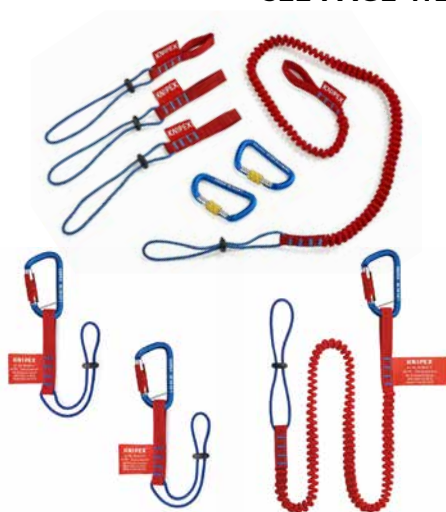## FOR OUR RANGE OF TENTS AND UMBRELLAS

SEE PAGES 238-240

FOR OUR RANGE OF TRAFFIC MANAGEMENT PRODUCTS

SEE PAGES 202-214

FOR OUR RANGE OF TOOL TETHERING PRODUCTS

SEE PAGE 412

External Underground & Tooling

EXTERNAL
UNDERGROUND
& TOOLING

A) MOBRA JUF/2 FOR SMALL BOXES WITH WIDTHS FROM 220MM TO 300MM

No-Drill MOBRA chamber mounting bracket for use with S83-0528 MOBRA Chamber Bracket Pivot Arm Medium.

S83-0529 Ref: 088199.

B) MOBRA JUF/4-6 FOR MEDIUM BOXES WITH WIDTHS FROM 410MM TO 600MM
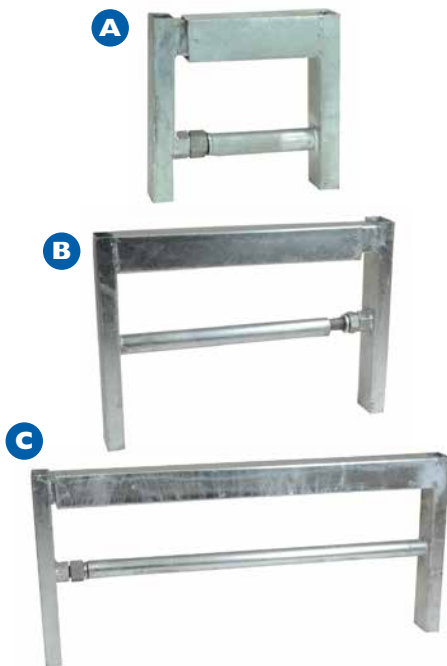
No-Drill MOBRA chamber mounting bracket for use with S83-0526 MOBRA Chamber Bracket Pivot Arm Long.

S83-0525 Ref: 066823.

C) MOBRA JUF/10 FOR LARGE BOXES WITH WIDTHS FROM 660MM TO 850MM

No-Drill MOBRA chamber mounting bracket for use with S83-0526 MOBRA Chamber Bracket Pivot Arm Long.

S83-0524 Ref: 066822.

PART NO.	DESCRIPTION
S83-0529	A) MOBRA JUF/2 FOR SMALL BOXES
S83-0525	B) MOBRA JUF/4-6 FOR MEDIUM BOXES
S83-0524	C) MOBRA JUF/10 FOR LARGE BOXES

MOBRA ARMS AND ACCESSORIES

A) MOBRA Arm Short
Standing Height 450mm, Closed Length 630mm. MOBRA Chamber Bracket Pivot Arm Medium for use with S83-0529 MOBRA Small Chamber Bracket JUF/2. Ref: 066827.

B) MOBRA Arm Long
Standing Height 650mm, Closed Length 820mm. MOBRA Chamber Bracket Pivot Arm Long for use with S83-0525 MOBRA JUF/4-6 For Medium Boxes with widths from 410mm to 600mm and S83-0524 MOBRA JUF/10 For Large Boxes with widths from 660mm to 850mm. Ref: 066826.

C) Replacement Square End Cap
For S83-0526 and S83-0528 standard MOBRA arms. Supplied individually.

Size: 41 x 41mm.

D) MOBRA Pair of Mounting Brackets for Plastic Chambers
MOBRA no drill chamber mounting brackets for use with joints and termination boxes within cable chambers. Ref: 668256.

E) MOBRA Arm Extension
The Mills Mobra Arm Extension is a cost effective solution to extend a short arm Mobra (S83-0528) by 200mm. making it the length of the long arm variant (S83-0526). The extension is quick and easy to instal and compatible with most other manufacturers' Mobra products.

F) No Step Label for Mobra Arms Pk10
A highly visible self-adhesive PSP label designed to be affixed to short and long mobra arms S83-0526 and S83-0528 and to identify the ISP's equipment as well as alerting engineers that the arm is a "no step" area. Label size 250 x 30mm. Supplied in packs of 10.

A minimum order is required, please contact our sales department for further information.

Property Of Your Logo Here **NO STEP**

PART NO.	DESCRIPTION
S83-0528	A) MOBRA ARM SHORT
S83-0526	B) MOBRA ARM LONG
S83-1935	C) REPLACEMENT END CAP FOR STANDARD MOBRA ARMS
S83-0527	D) MOUNTING BRACKETS FOR PLASTIC CHAMBERS
S83-0530	E) MOBRA ARM EXTENSION
S00-1996	F) NO STEP LABEL FOR MOBRA ARMS PK10

A) CABLE MANAGEMENT CABLE SUPPORT 838MM

Cable management bar designed to assist with the management and tidying of cable running through pits and chambers. Length 838mm.

B) CABLE MANAGEMENT CABLE SUPPORT 1000MM
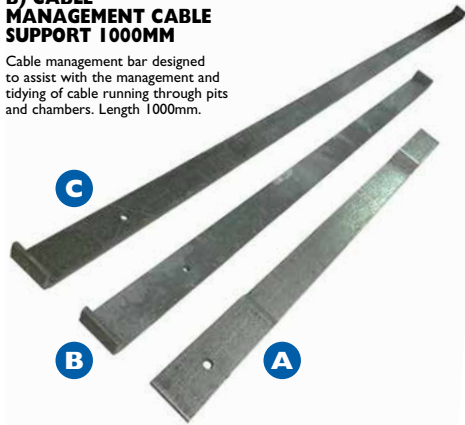
Cable management bar designed to assist with the management and tidying of cable running through pits and chambers. Length 1000mm.

C) CABLE MANAGEMENT CABLE SUPPORT 1100MM

Cable management bar designed to assist with the management and tidying of cable running through pits and chambers. Length 1000mm.

PART NO.	DESCRIPTION
S83-1488	A) CABLE MANAGEMENT BAR. LENGTH 838MM
S83-1489	B) CABLE MANAGEMENT BAR. LENGTH 1000MM
S83-1490	C) CABLE MANAGEMENT BAR. LENGTH 1100MM

JOINT SUPPORT KIT 1A

2 x 2.42m lengths of 33.55mm subduct to be used in access chambers to suspend closures and other equipment within the chamber. Ref: 017807.

- Product Diameter: 33.55mm
- Product Weight: 1.4g/m
- Metal Free: Yes
- Minimum Bend Radius: 11D
- Maximum Tensile Load: 2250N
- Product Specification: LN166

PART NO.	DESCRIPTION
S00-3512	JOINT SUPPORT KIT 1A PKT 2

MILLS CBT BACK-TO-BACK MOBRA BRACKET

Mills CBT back-to-back Mobra Bracket is similar to the existing CBT Pole Bracket, but designed to be bolted to a Mobra arm (S83-0526 or S83-0528).

Suitable for 4, 8 and 12 Way Corning and Commscope CBTs (Connector Block Terminals).

Manufactured from 1.2mm galvanised steel, the bracket is approved for PIA application and fixes to a Mobra Arm.

The bracket has 4 x 3mm, 8 x 4mm and 4 x 6mm nutserts to accept different manufacturers' CBT's.

The back-to-back bracket is supplied with 4 x M3 x 25 Pozi Panhead Screws, 8 x M4 x 30 Pozi Panhead Screws and 4 x M6 x 30 Pozi Panhead Screws.

Each face measures 380 x 140 mm and the bracket 'stands off' 165mm.

Designed to be bolted to a Mobra arm (S83-0526 or S83-0528). See P62.

PART NO.	DESCRIPTION
S00-3511	MILLS CBT BACK-TO-BACK MOBRA BRACKET

CABLE BEARER WALL TYPE

For supporting cables in manholes and joint boxes. The type numbers indicate the number of brackets which the bearings will carry.

S83-3203 Ref: 070281.
S83-1058 Ref: 070282.
S83-3204 Ref: 070283.
S83-3205 Ref: 070284.
S83-3206 Ref: 070285.
S83-3207 Ref: 070286.
S83-3208 Ref: 070287.

PART NO.	DESCRIPTION
S83-3203	CABLE BEARER WALL TYPE 1 - 178MM
S83-1058	CABLE BEARER WALL TYPE 2 - 278MM
S83-3204	CABLE BEARER WALL TYPE 3 - 508MM
S83-3205	CABLE BEARER WALL TYPE 5 - 813MM
S83-3206	CABLE BEARER WALL TYPE 8 - 1270MM
S83-3207	CABLE BEARER WALL TYPE 10 - 1575MM
S83-3208	CABLE BEARER WALL TYPE 12 - 1880MM

BRACKET CABLE BEARER

Used with Cable Bearer Wall Type and Pins Locking. The type numbers indicate the effective length in inches.

S83-3209 Ref: 070210.
S83-3210 Ref: 070211.
S83-3211 Ref: 070212.
S83-3212 Ref: 070213.
S83-3213 Ref: 070214.
S83-3214 Ref: 070215.

PART NO.	DESCRIPTION
S83-3209	BRACKET CABLE BEARER TYPE 3 - 115MM
S83-3210	BRACKET CABLE BEARER TYPE 5 - 170MM
S83-3211	BRACKET CABLE BEARER TYPE 8 - 250MM
S83-3212	BRACKET CABLE BEARER TYPE 12 - 343MM
S83-3213	BRACKET CABLE BEARER TYPE 18 - 495MM
S83-3214	BRACKET CABLE BEARER TYPE 24 - 648MM

STEP MANHOLE NO.1

For use in reinforced concrete or brickwork manholes.

PART NO.	DESCRIPTION
S83-3216	STEP MANHOLE NO.1

STEP MANHOLE NO.2

Bolt-on step to replace broken or missing steps in manholes.

Bolt required: Bolt Expansion 1A.

PART NO.	DESCRIPTION
S83-3217	STEP MANHOLE NO.2

BOLT FOUNDATION INDENTED NO.1

Iron foundation bolt for Cabinets Cross Connection.

PART NO.	DESCRIPTION
S83-3218	BOLT FOUNDATION INDENTED NO.1

BOLT FOUNDATION INDENTED NO.2

For fixing cable bearers in new concrete and brickwork.

PART NO.	DESCRIPTION
S83-3219	BOLT FOUNDATION INDENTED NO.2

PIN LOCKING CABLE BEARER

For fixing Brackets Cable Bearer to Cable Bearer Wall Type.
Ref: 070858.

PART NO.	DESCRIPTION
S83-3215	PIN LOCKING CABLE BEARER

IRON ANCHOR 4

For setting in concrete walls of joint chambers to mount cable guides.
Ref: 070724.

PART NO.	DESCRIPTION
S83-3220	IRON ANCHOR 4

STAKKABOX™ MODULA

STAKKAbox™ Modula are recycled polypropylene modular and structural preformed access chambers suitable for use in carriageway and footway environments rated to D400 under EN124. A thin wall design with vertical and horizontal ribs, results in a product that is strong vertically and on the side wall. Complete installations typically take up to one hour.

Available in two sizes:
- 300 x 300 x 600mm internal dimensions.
- 600 x 450 x 600mm internal dimensions (FW2 / EN2 Footway 2).

Frame & Concrete Covers B125 Loading Class are available including options for locking.

PART NO.	DESCRIPTION
S83-4484	A) STAKKABOX MODULA CHAMBER 300 X 300MM CLEAR OPENING 600MM DEEP
S83-4485	B) FRAME & CONCRETE COVER 300 X 300MM TO SUIT (S83-4484)
S83-4502	C) STAKKABOX MODULA CHAMBER 600 X 450MM CLEAR OPENING 600MM DEEP
S83-4503	D) FRAME & CONCRETE COVER 300 X 300MM TO SUIT (S83-4502)

CUBIS SYSTEMS
A CRH COMPANY

A-B) FTTH FOOTPATH DEMARCATION / TOBY BOXES

Located at the boundary to the customer during FTTx installations, the Toby Box is used as a demarcation point for FTTx 'Homes Passed' where the customer does not require an immediate FTTx connection or can be used as a future 'Maintenance point' similar to an access chamber. For housing Microducts and Splice enclosures.

A) Featuring a hinged lid, enabling access at any time.
Overall Dimensions: 214mm x 100mm x 301mm (LxWxD)
Material: 100% Recyclable Polypropylene
Loading Specification: BS5834 Pt2

B) Can be broken into four components, allowing microducts to be removed or installed without disconnection.
Overall dimensions: 256mm x 128mm x 255mm (LxWxD)
High load bearing strength (5.5kN)

C) STAKKABOX TOBY JOINT BOX

The STAKKAbox™ Toby provides an access chamber with a clear opening of 150mm x 150mm. The single ring section is 300mm deep. A 600mm option can also be supplied on request.

Features: Twinwall and internal ribbing for improved loading performance
Material: Talc-filled recycled Polypropylene
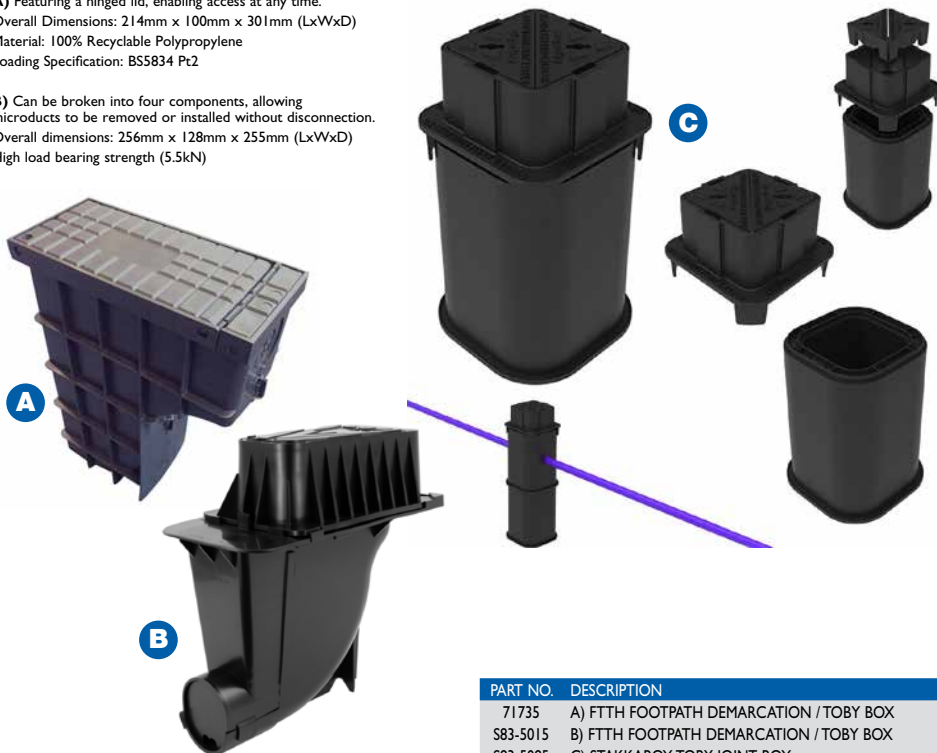
PART NO.	DESCRIPTION
71735	A) FTTH FOOTPATH DEMARCATION / TOBY BOX
S83-5015	B) FTTH FOOTPATH DEMARCATION / TOBY BOX
S83-5085	C) STAKKABOX TOBY JOINT BOX

A-C) STAKKABOX JMF CHAMBER SECTION

STAKKAbox™ JMF is a range of modular and structural preformed access chambers that provide a modern alternative to traditionally brick built chambers.

This system provides contractors with a means of constructing access chambers safely, quickly and inexpensively, whilst offering superior build quality, reduced defects and enhanced site safety performance over traditional methods.

STAKKAbox™ JMF is designed for use within the telecommunications market and is available in 102, 104 and 106 sizes. Due to its twin wall design, individual sections are lightweight meaning they can be manually lifted and stacked on top of each other to reach the specified depth required.

The STAKKAbox™ JMF chamber system also comes with a wide range of X-TRAS™ chamber accessories and AX-S™ access covers to provide a complete network access system.

Using the JMF system, complete chambers can be constructed from excavation to reinstatement in less than one hour.

Available in 3 sizes, all 150mm deep:
- 102 Chamber Section 725 x 255mm Clear Opening
- 104 Chamber Section 915 x 445mm Clear Opening
- 106 Chamber Section 1310 x 610mm Clear Opening

D) Frame & Concrete Covers, B125 Loading Class

AX-S™ Concrete Infill access covers offer flexibility in size and design with options for locking. Please see call sales and see datasheet for further details. For volume sales company logos can be added. Due to the weight of this product additional carriage charges may apply.

Available in 3 sizes:
- 725 x 255 mm
- 915 x 445 mm
- 1310 x 610 mm

E) Cable Management Kits

Cable management furniture kit for STAKKAbox JMF102 , STAKKAbox JMF104, Quad and Fortress chambers comprising:
- 2 x Drop in Wall Bearers
- 2 x Cable Bearers
- 2 x Locking Pins

F) STAKKAbox Galvanised Drop in Step for JMF Chambers

Mounts to chamber wall to provide stepped access. Manufactured in galvanised steel with no bolts or back plate required. For use with the following STAKKAbox chambers:
- S83-4531 STAKKAbox JMF 104 Chamber Section 915 x 445mm Clear Opening - 150mm Deep
- S83-4532 STAKKAbox JMF 106 Chamber Section 1310 x 610mm Clear Opening - 150mm Deep
- Legacy STAKKAbox chambers.

G) MOBRA Mounting Brackets for STAKKAbox JMF Chambers (Pair)

H) FW6 FDN Closure Mobra Arm

Cubis' universal FDN closure support arm has been designed and developed to provide a 'Mobra Arm' solution that can fit the Prysmian UMJ/CMJ/MMJ / Prysmian LMJ and HellermannTyton 59 Port closures (Fibre Distribution Nodes) within the S83-4532 Cubis STAKKAbox™ JMF106 FW6 access chamber.

3 SIZES AVAILABLE

CUBIS
SYSTEMS
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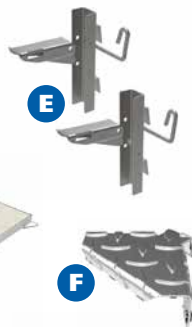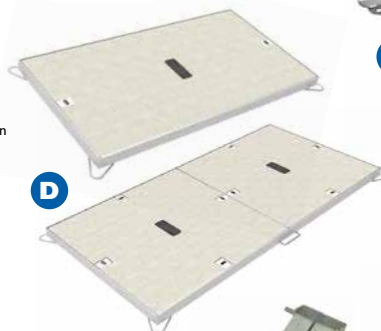
3 SIZES AVAILABLE

PART NO.	DESCRIPTION
S83-4530	A) STAKKABOX JMF 102 CHAMBER SECTION 725 X 255MM CLEAR OPENING - 150MM DEEP
S83-4531	B) STAKKABOX JMF 104 CHAMBER SECTION 915 X 445MM CLEAR OPENING - 150MM DEEP
S83-4532	C) STAKKABOX JMF 106 CHAMBER SECTION 1310 X 610MM CLEAR OPENING - 150MM DEEP
S83-4533	D) FRAME & CONCRETE COVER, 725 X 255 MM B125 LOADING CLASS
S83-0681	D) FRAME & CONCRETE COVER, 915 X 445 MM B125 LOADING CLASS
S83-0682	D) FRAME & CONCRETE COVER, 1310 X 610 MM B125 LOADING CLASS
S83-4534	E) CABLE MANAGEMENT KIT FOR STAKKABOX JMF102 CHAMBERS
S83-0683	E) CABLE MANAGEMENT KIT FOR STAKKABOX JMF 104 & FORTRESS CHAMBERS
S83-4535	E) CABLE MANAGEMENT KIT FOR STAKKABOX JMF106 CHAMBERS
S83-0684	F) STAKKABOX GALVANISED DROP IN STEP FOR JMF CHAMBERS
S83-0527	G) MOBRA MOUNTING BRACKETS FOR STAKKABOX JMF CHAMBERS (PAIR)
FW6-MOBRA-ARM	H) FW6 FDN CLOSURE MOBRA ARM

Please see website for further details

A) STAKKABOX FORTRESS CHAMBER SECTION 915 X 445MM CLEAR OPENING 150MM DEEP

STAKKAbox™ Fortress is a range of modular and structural preformed access chambers, suitable for use in carriageway and footway environments.

The Fortress system is moulded in HDPE and possesses excellent strength to weight properties.

Features

STAKKAbox™ chambers are significantly faster to install than conventional alternatives, with complete installations typically taking up to one hour. This results in reduced costs for the installer. No specialist equipment or plant is required in order to install the chamber and there is no need for specialist box builders.

Chambers are built to required depth by adding 150mm sections. Due to the twinwall design, individual sections are light meaning they can be manually lifted. Each access chamber possesses vertical and horizontal ribs, resulting in a product that is strong vertically and on the sidewall. Most installations do not require specialist backfills, reducing installation costs.

Chambers can be adapted to suit on-site conditions with standard tools to overbuild over existing networks, Introduce duct entries for cable entry and for top-section fine adjustment.

Fortress can be supplied in 'flat pack' format to make shipping more efficient as well as allowing flexibility in delivery and installation.

Built by stacking sections to required depth, each part weighs just 8.1kg, making it suitable for a single person to lift under manual handling guidelines.

FW4 / EN4 Footway 4 internal dimensions: 915 x 445 x 150mm.

A frame and concrete cover is available for the Stakkabox Fortress, (S83-0681) as well as a cable management furniture kit (S83-0683) and galvanised drop in step (S83-0684).

B) FW4 FDN Closure Mobra Arm

Cubis' universal FDN closure support arm has been designed and developed to provide a 'Mobra Arm' solution that can fit the Prysmian UMJ/CMJ/MMJ / Prysmian LMJ and HellermannTyton 59 Port closures (Fibre Distribution Nodes) within the S83-4506 Cubis Fortress STAKKAbox™ FW4 access chamber.

Note: When ordering, please specify requirement from the closure options listed below.

1. For Prysmian UMJ/CMJ/MMJ closures
2. For Prysmian LMJ closure
3. For HellermannTyton 59 Port closure

C) Frame & Concrete Cover

AX-S™ Concrete Infill access covers offer flexibility in size and design with options for locking. For use with STAKKAbox Ultima Section 2320 x 740mm.

D) Bolt on Step for Fortress & Ultima Chambers

Bolt on step for S83-4506 Fortress and S83-4508 Ultima plastic chambers that mounts to the chamber wall (using bolts and backing plate supplied) to provide stepped access.

E) Cable Management Kit

Cable management furniture kit for STAKKAbox JMF102, STAKKAbox JMF104, Quad and Fortress chambers comprising:

• 2 x Drop in Wall Bearers
• 2 x Cable Bearers
• and 2 x Locking Pins

PART NO.	DESCRIPTION
S83-4506	A) STAKKABOX FORTRESS CHAMBER SECTION 915 X 445MM CLEAR OPENING 150MM DEEP
FW4-MOBRA-ARM	B) FW4 FDN CLOSURE MOBRA ARM
S83-0681	C) FRAME & CONCRETE COVER, 915 X 445 MM B125 LOADING CLASS
S83-4642	D) BOLT ON STEP FOR FORTRESS & ULTIMA CHAMBERS
S83-0683	E) CABLE MANAGEMENT KIT FOR STAKKABOX JMF 104 & FORTRESS CHAMBERS

EXTERNAL UNDERGROUND & TOOLING

A) STAKKABOX ULTIMA CHAMBER SECTION 2320 X 740MM CLEAR OPENING 150MM DEEP

STAKKAbox™ ULTIMA offers a flexible access chamber system with no compromise on strength. Due to the design and the material used (GRP), ULTIMA should be used anywhere where sidewall loading is a concern, such as alongside highways or railway tracks.

STAKKAbox™ chambers are significantly faster to install than conventional alternatives, with complete installations typically taking less than one hour. The STAKKAbox™ is manufactured in nitrogen-foamed High Density Polyethylene (HDPE), of which up to 70% is recycled material. HDPE possesses excellent strength-to-weight properties.

Chambers are built to required depth by adding 150mm sections. Due to the twinwall design, individual sections are light meaning they can be manually lifted. Each access chamber possesses vertical and horizontal ribs, resulting in a product that is strong vertically and on the sidewall. For most applications, ULTIMA doesn't require specialist backfills, reducing installation costs.

Fire Retardancy: ULTIMA won't catch fire and has low smoke properties. This means the product can be used in enclosed areas such as tunnels and underground transport.

Due to the sectional twinwall design and the GRP material, most ULTIMA 150mm deep sections fall under 25kg in weight, making it suitable for a single person to lift under manual handling regulations.

FW10 / EN10 Footway 10 internal dimensions 2320 x 740 x 150mm
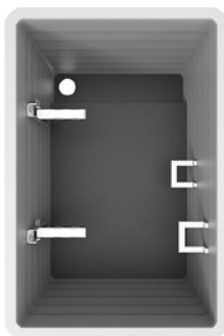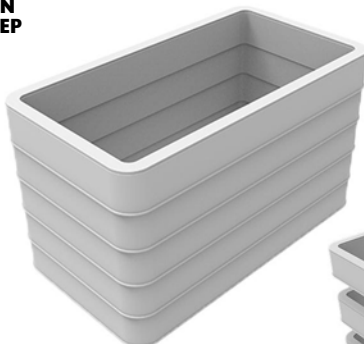
B) FW10 FDN Closure Mobra Arm

Cubis' universal FDN closure support arm has been designed and developed to provide a 'Mobra Arm' solution that can fit the Prysmian UMJ/CMJ/MMJ / Prysmian LMJ and HellermannTyton 59 Port closures (Fibre Distribution Nodes) within the S83-4508 Cubis STAKKAbox™ Ultima FW10 access chamber.

Note: When ordering, please specify requirement from the closure options listed below.

1. For Prysmian UMJ/CMJ/MMJ closures
2. For Prysmian LMJ closure
3. For HellermannTyton 59 Port closure

C) Frame & Concrete Cover

AX-S™ Concrete Infill access covers offer flexibility in size and design with options for locking. For use with STAKKAbox Ultima Section 2320 x 740mm.
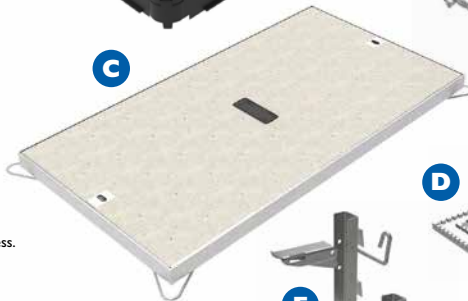
D) Bolt-on Step for Fortress & Ultima Chambers

Bolt-on step for S83-4506 Fortress and S83-4508 Ultima plastic chambers that mounts to the chamber wall (using bolts and backing plate supplied) to provide stepped access.
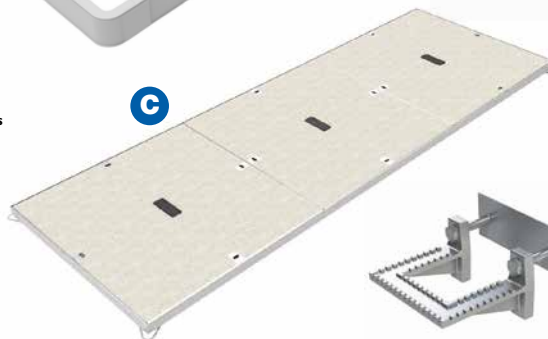
PART NO.	DESCRIPTION
S83-4508	A) STAKKABOX ULTIMA CHAMBER SECTION 2320 X 740MM CLEAR OPENING 150MM DEEP
FW10-MOBRA-ARM	B) FW10 FDN CLOSURE MOBRA ARM
S83-4509	C) FRAME & CONCRETE COVER 2320 X 740MM B125 LOADING CLASS
S83-4642	D) BOLT-ON STEP FOR FORTRESS & ULTIMA CHAMBERS

JOINT BOXES NO23 & NO26

Prefabricated glass reinforced polyester joint boxes. These underground jointing enclosures offer significant advantages over the more traditional methods of forming a jointing enclosure.

Lightweight yet immensely strong and rigid having no seams or welds, they are totally rot proof and will not support microbiological growth.

Typical uses include: Telephone connection systems, connection of lighting standards to mains, traffic light connections, underground water metre housing, cable television connections, loop connections and cable communications.

- Joint box chambers moulded from first quality glass fibre reinforced polyester moulding compounds.
- Manufactured under a system of rigidly applied quality control to ensure optimum, fully cured mouldings.
- Made to ensure trouble free installations.
- Available for installation in driveways, paths etc.
- Joint boxes cover sold separately.

A

A) JOINT BOX No23
Internal dimensions:
200 x 450 x 450mm deep.

B

B) COVER JOINT BOX 23

Cast iron cover for Joint Box 23.

C

C) JOINT BOX NO26
Internal dimensions:
720 x 250 x 570mm deep.

D

D) FRAME & COVER FOOTWAY NO.2

Steel with infilled concrete cover for joint box 26.

PART NO.	DESCRIPTION
S83-2795	A) JOINT BOX 23
S83-2796	B) COVER JOINT BOX 23
S83-2797	C) JOINT BOX 26
S83-3695	D) FRAME & COVER FOOTWAY NO.2

FRAME & COVER CARRIAGEWAYS

These are a special order item. Please contact sales for a quote.

Frame and Cover Carriageway ductile iron manhole covers and frames. Manufactured to relevant BS standard.

A) Frame & Cover Carriageway 1: 600 x 600mm clear opening.
B) Frame & Cover Carriageway 2: 1200 x 675mm clear opening.
C) Frame & Cover Carriageway 3: 1800 x 675mm clear opening.

A

B

C

PART NO.	DESCRIPTION
S83-2778	A) FRAME & COVER CARRIAGEWAY 1
S83-2779	B) FRAME & COVER CARRIAGEWAY 2
S83-2780	C) FRAME & COVER CARRIAGEWAY 3

GRATING SUMP 2A

Grating Sump 2A. Used in Manholes and joint boxes, this is a 250 x 250mm PVC drainage sump.

Ref: 094956.

PART NO.	DESCRIPTION
S83-2781	GRATING SUMP 2A

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EXTERNAL UNDERGROUND & TOOLING

SAN-EARTH CONDUCTIVE CONCRETE AND EARTHING ELECTRODE PACKS

SAN-EARTH is a cementitious and carbonaceous material which provides an environmentally safe long term solution to many grounding problems. SAN-EARTH grounding electrodes are easily installed by spreading the dry powder in a strip over and around a conductor in a horizontal trench.

When the trench is refilled SAN-EARTH absorbs moisture from the surrounding soil and hardens to become part of the grounding electrode.

Supplied on a pallet of 36 bags and 9 electrodes, suitable for the installation of 9 cabinets.

Four bags and one electrode is the required pack for earthing a new install cabinet.

PART NO.	DESCRIPTION
S83-4510	SAN-EARTH CONDUCTIVE CONCRETE AND EARTHING ELECTRODE PACKS (36 PACKS)

CABINET BASE SEALANT - 2.5 LITRES

Two part sealant used to seal the base & ducts in street cabinets. For use in LV distribution cabinets, public lighting cabinets, cabinets for traffic control, and outdoor transformer station installations.

- Easy to use and accurate filling process when pouring the resin
- Seals the cable ducts against water & gas pressures
- Prevents ingress of moisture, pests and the instrusion of weeds, roots and plants
- Re-enterable, so new cables can be added

PART NO.	DESCRIPTION
S83-3122	CABINET BASE SEALANT - 2.5 LITRES

A) PRYSMIAN SJC SMALL JOINT CLOSURE WITH 4 CABLE ENTRIES FOR CABLE 5-9MM (MAXIMUM CAPACITY 24 FIBRES)

The SJC Closure is a splice closure that is used for track or branch applications. It has 4 cable entry ports, a splice cassette for 24 splices and a cable management and storage area. The closure is sealed to IP68 for water and dust tightness. The closure is supplied with four knock-out ports and two entry glands. Up to two additional entry glands can be ordered separately.

Prysmian Group

B) CABLE ENTRY KITS FOR SJC ENCLOSURES

The cable entry kit is used to install an additional cable into the joint. It contains a cable gland, a cable tie and foam tape. For cables between 6-12mm.

PART NO.	DESCRIPTION
XJTSC02335	A) SJC SMALL JOINT CLOSURE 24 SPLICES FOR CABLE 5-9MM
XJTSC02470	A) SJC SMALL JOINT CLOSURE 24 SPLICES FOR CABLE 6-12MM
XJTSC02336	B) SJC CABLE ENTRY KIT 5-9MM
XJTSC02471	B) SJC CABLE ENTRY KIT 6-12MM
XJTSC02542	B) SJC CABLE ENTRY KIT 4-6MM (2 ENTRIES)

PRYSMIAN UMJ ULTRA COMPACT MULTI-FUNCTION JOINT (MAXIMUM CAPACITY OF 72 FIBRES)

Prysmian
Group

FOR OUR FULL RANGE OF REINSTATEMENT MATERIALS

SEE PAGES 312-315

The Ultra Compact Multi Function Joint (UMJ) is ideal for use as a Cable Chamber Joint, Track Joint, Spur Joint or Distribution Joint due to its capacity and compact size. It has a maximum capacity of 72 fibres, the splice trays are factory fitted and each tray can accommodate up to 12 spliced fibres. A multi-functional bracket can be supplied with the joint which enables wall or pole mounting of the joint vertically or horizontally. The joint has four circular ports for mechanical entry glands, one oval port for heat shrink or mechanical entry and two additional small circular ports also for heat shrink entry.

The UMJ is supplied with 6 single element trays each able to accommodate 12 splices providing a maximum capacity of 72 fibres, or 6 single circuit splice trays. Each single circuit splice tray has two storage sections providing a total of 12 trays per joint with each tray accommodating up to 4 splices providing a total capacity of 48 fibres. The UMJ can be supplied with a pressure test valve for flash testing and earthing.

A full range of single Entry Gland Kit, Multi Way Entry Gland Kits, Oval Port Entry Kit, Silicone Grease, Emergency Port Cable Entry, Optical Splitters, Splice Protectors, Mounting Bracket / Support Tool are shown on page 107.

PART NO.	DESCRIPTION
UMJ-F-X-XXXX-X-X-X	UMJ COMPLETE WITH TRAYS NO KITS

PRYSMIAN XMJ (CMJ) PRE-CONNECTORISED CLOSURE

The pre-connectorised XMJ closure range (CMJ) is designed for the jointing of optical fibre cables. The joint is ideal for use as a final drop solution due to its capacity and compact size.

It has a maximum capacity of 72 fibre splices (MMJ). The connectorised pigtails are factory fitted and each tray can accommodate up to 12 spliced fibres.

The single element 2.2 tray also has the ability to house up to 1x1:8 splitter, which can also be factory fitted.

A multi-functional bracket can be supplied with the joint which enables wall or pole mounting of the joint vertically or horizontally.

The joint has four circular ports for mechanical entry glands, one oval port for heat shrink or mechanical entry and two additional small circular ports also for heat shrink entry.

Design and Construction

- Supplied with up to 2 single element trays each able to accommodate 12 splices providing a maximum capacity of 24 fibres.
- Drop cable capacity 12SC / 24LC
- Each tray has the provision to mount optical splitters.

- The closure base has 4 circular entry ports and an oval port. Cables up to 23mm in diameter can be installed into each port.
- Drop cables are installed through a split seal and routed around the input mandrels
- A further two small ports are available as emergency ports. These ports are for heat shrink entry and can accommodate a cable of up to 12mm in diameter.
- Circular port cables are sealed using a split mechanical sealing gland.
- Oval port cables are sealed using adhesive lined heat shrink sleeves or using a mechanical oval port entry kit.
- Multi Way Split Entry Glands are available to allow the installation of several cables into one circular port.
- Splice trays hinge upwards individually, allowing full access to spliced fibres without disturbance to live fibres in adjacent trays.
- Integrated loop storage basket for mid-span applications.
- Can be supplied with a pole/wall mounting bracket.
- Can be supplied with a flash test valve or a pressure relief valve. These can also be used for earthing.
- Closure and glands sealed to IP68.

Technical Data

- Minimum Fibre Bend Radius (mm): 30 (Note: The input manifold contains mandrels to cross fibres from one side of the stack to the other. These are limited to 20mm radius if used).
- Number of Cable Ports: 4 circular and 1 oval (also contains 2 additional small emergency ports)
- Cable Diameter Range (mm):
- Circular Port: 4 to 23
- Multi Port (in circular port): 3-5mm round (4 Way), 3-5mm round (8 Way), 5–7mm round (2 Way)
- Oval Port: 7 to 21 (Heat Shrink), 5 to 14.8 (mechanical)
- Emergency Port: 4 to 12
- Cable Retention (N):
- Circular Port: > Cable (Ø/45) x 1000N with central strength member secured.
- 4 Way Multi Way (in circular port): > 150N for cables with Aramid yarns, > 30N for cables without Aramid yarns
- Multi way gland: 100N for pre-connectorised cables
- Maximum number of splice trays: 2

Single Element
- Maximum fibre capacity of Joint: 24 Single Element
- Splitter capacity: Optical splitters of 4mm x 4mm x 60mm on trays - 2
- Required space envelope (mm): (l) 305 x (w) 231 x (d) 164
- Operating temperature: -40oC to + 70oC (5 to 95% RH)

Material

- Cap: GF Polypropylene
- Base: GF Polypropylene
- Clamp: GF Nylon
- Splice Trays: FR ABS

Testing

- Closure Sealing: IP68 (5 metres) (IEC 61300-2-23)
- Optical: Tested 1310nm,1550nm and 1625nm
- Change of Temperature: IEC 61300-2-22
- Dry Heat: BS EN 60068-2-2 Test Bb
- Damp Heat: IEC 60068-2-3: 1969
- Vibration: IEC 61300-2-1
- Torsion: IEC 61300-2-5
- Bending: IEC 61300-2-37
- Impact: IEC 61300-2-12
- Cable Retention: IEC 61300-2-4
- Crush Resistance: IEC 61300-2-10

FOR MORE PRYSMIAN CLOSURES

PRYSMIAN CMJ COMPACT MULTI-FUNCTION JOINT WITH TRAYS (MAXIMUM CAPACITY OF 144 FIBRES)

Prysmian
Group

The Compact Multi Function Joint (CMJ) is for jointing optical fibre cables. The joint is ideal for use as a Cable Chamber Joint, Track Joint, Spur Joint or Distribution Joint due to its capacity and compact size.

It has a maximum capacity of 144 fibres. The splice trays are factory fitted and each tray can accommodate up to 12 spliced fibres.

A multi-functional bracket can be supplied with the joint which enables wall or pole mounting of the joint vertically or horizontally.

The joint has four circular ports for mechanical entry glands, one oval port for heat shrink or mechanical entry and two additional small circular ports also for heat shrink entry.

Supplied with 12 single element trays each able to accommodate 12 splices providing a maximum capacity of 144 fibres, or 12 single circuit splice trays. Each single circuit splice tray has two storage sections providing a total of 24 trays per joint. Each tray can accommodate up to 4 splices providing a total capacity of 96 fibres.

- An input manifold manages the tubes to a common routing channel and has the provision to mount up to four optical splitters.
- The closure base has 4 circular entry ports and an oval port. Cables up to 23mm in diameter can be installed into each port. A further two small ports are available as emergency ports. These ports are for heat shrink entry and can accommodate a cable of up to 12mm in diameter.
- Oval port cables are sealed using adhesive lined heat shrink sleeves or using a mechanical oval port entry kit.
- Multi Way Entry Glands are available to allow the installation of a number of cables into one circular port.
- Can be supplied with a pressure test valve for flash testing and earthing.

Visit millsltd.com for more info

For MOBRA Mounting - See page 105

The CMJ is supplied as standard with:

1 x Base, 1 x Cap, 1 x Clamp, 1 x O Seal, 1 x Fibre Routing Manifold, 2 x Tube Retainers, 4 x Tube Retainer Covers, 1 x Loop Storage Basket

A full range of single Entry Gland Kit, Multi Way Entry Gland Kits, Oval Port Entry Kit, Silicone Grease, Emergency Port Cable Entry, Optical Splitters, Splice Protectors, Mounting Bracket / Support Tool are shown on page 105.

PART NO.	DESCRIPTION
CMJ-F-X-XXXX-X-X-X	CMJ COMPLETE WITH TRAYS NO KITS
CMJ-F-X-XXXX-Y-X-X	CMJ COMPLETE WITH TRAYS AND TEST VALVE - NO KITS
CMJ-F-X-XXXX-X-Y-X	PRYSMIAN CMJ COMPACT MULTI-FUNCTION JOINT SE 2.2 WITH TRAYS AND WALL/POLE BRACKET, NO KITS
CMJ-F-X-XXXX-Y-Y-X	PRYSMIAN CMJ COMPACT MULTI-FUNCTION JOINT SE 2.2 WITH TRAYS, TEST VALVE, WALL/POLE BRACKET, NO KITS

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EXTERNAL
UNDERGROUND
& TOOLING

PRYSMIAN XMJ (MMJ) PRE-CONNECTORISED CLOSURE

The pre-connectorised XMJ closure range (MMJ) is designed for the jointing of optical fibre cables. The joint is ideal for use as a final drop solution due to its capacity and compact size.

It has a maximum capacity of 72 fibre splices. The connectorised pigtails are factory fitted and each tray can accommodate up to 12 spliced fibres.

The single element 2.2 tray also has the ability to house up to 1x1:8 splitter, which can also be factory fitted.

A multi-functional bracket can be supplied with the joint which enables wall or pole mounting of the joint vertically or horizontally.

The joint has four circular ports for mechanical entry glands, one oval port for heat shrink or mechanical entry and two additional small circular ports also for heat shrink entry.

Design and Construction

- Supplied with up to 6 single element trays each able to accommodate 12 splices providing a maximum capacity of 72 fibres.
- Drop cable capacity 24SC / 48LC *MMJ closure cannot support 48 individual drop cables. Multifibre drops should be used to utilise the full capacity.

- Each tray has the provision to mount optical splitters.
- The closure base has 4 circular entry ports and an oval port. Cables up to 23mm in diameter can be installed into each port.
- Drop cables are installed through a split seal and routed around the input mandrels
- A further two small ports are available as emergency ports. These ports are for heat shrink entry and can accommodate a cable of up to 12mm in diameter.
- Circular port cables are sealed using a split mechanical sealing gland.
- Oval port cables are sealed using adhesive lined heat shrink sleeves or using a mechanical oval port entry kit.
- Multi Way Split Entry Glands are available to allow the installation of several cables into one circular port.
- Splice trays hinge upwards individually, allowing full access to spliced fibres without disturbance to live fibres in adjacent trays.
- Integrated loop storage basket for mid-span applications.
- Can be supplied with a pole/wall mounting bracket.
- Can be supplied with a flash

test valve or a pressure relief valve. These can also be used for earthing.
- Closure and glands sealed to IP68.

Technical Data

- Minimum Fibre Bend Radius (mm): 30 (Note: The input manifold contains mandrels to cross fibres from one side of the stack to the other. These are limited to 20mm radius if used).
- Number of Cable Ports: 4 circular and 1 oval (also contains 2 additional small emergency ports)
- Cable Diameter Range (mm):
- Circular Port: 4 to 23
- Multi Port (in circular port): 3-5mm round (4 Way), 3-5mm round (8 Way), 5–7mm round (2 Way)
- Oval Port: 7 to 21 (Heat Shrink), 5 to 14.8 (mechanical)
- Emergency Port: 4 to 12
- Cable Retention (N):
- Circular Port: > Cable (Ø/45) x 1000N with central strength member secured.
- 4 Way Multi Way (in circular port): > 150N for cables with Aramid yarns, > 30N for cables without Aramid yarns
- Multi way gland: 100N for pre-connectorised cables

- Maximum number of splice trays: 6 Single Element
- Maximum fibre capacity of Joint: 72 Single Element
- Splitter capacity: Optical splitters of 4mm x 4mm x 60mm on trays - 6
- Required space envelope (mm): (l) 390 x (w) 231 x (d) 164
- Operating temperature: -40oC to + 70oC (5 to 95% RH)

Material

- Cap: GF Polypropylene
- Base: GF Polypropylene
- Clamp: GF Nylon
- Splice Trays: FR ABS

Testing

- Closure Sealing: IP68 (5 metres) (IEC 61300-2-23)
- Optical: Tested 1310nm,1550nm and 1625nm
- Change of Temperature: IEC 61300-2-22
- Dry Heat: BS EN 60068-2-2 Test Bb
- Damp Heat: IEC 60068-2-3: 1969
- Vibration: IEC 61300-2-1
- Torsion: IEC 61300-2-5
- Bending: IEC 61300-2-37
- Impact: IEC 61300-2-12
- Cable Retention: IEC 61300-2-4
- Crush Resistance: IEC 61300-2-10

Available in multiple configurations including:
- SC/APC. LC/UPC adaptors
- LC/APC, LC/UPC adaptors
- 1:8 spitters
- Pigtails

PRYSMIAN MMJ MEDIUM MULTI-FUNCTION JOINT WITH TRAYS (MAXIMUM CAPACITY OF 144 FIBRES)

Prysmian Group

The Medium Multi Function Joint (MMJ) is for jointing optical fibre cables.

The joint is ideal for use as a Cable Chamber Joint, Track Joint, Spur Joint or Distribution Joint due to its capacity and compact size. It has a maximum capacity of 288 fibres.

The splice trays are factory fitted and each tray can accommodate up to 12 spliced fibres.

The joint has four circular ports for mechanical entry glands, one oval port for heat shrink or mechanical entry and two additional small circular ports also for heat shrink entry.

The MMJ is supplied with:

1 x Base, 1 x Cap, 1 x Clamp, 1 x O Seal, 1 x Fibre Routing Manifold, 2 x Tube Retainers, 4 x Tube Retainer Covers, 1 x Loop Storage Basket

A full range of single Entry Gland Kit, Multi Way Entry Gland Kits, Oval Port Entry Kit, Silicone Grease, Emergency Port Cable Entry, Optical Splitters, Splice Protectors, Mounting Bracket / Support Tool are shown on page 105.

- Supplied with 24 single element trays each able to accommodate 12 splices providing a maximum capacity of 288 fibres, or 24 single circuit splice trays. Each single circuit splice tray has two storage sections providing a total of 48 trays per joint. Each tray can accommodate up to 4 splices providing a total capacity of 192 fibres.

- The closure base has 4 circular entry ports and an oval port. Cables up to 23mm in diameter can be installed into each port. A further two small ports are available as emergency ports. These ports are for heat shrink entry and can accommodate a cable of up to 12mm in diameter.

- Circular port cables are sealed using a mechanical sealing gland. The gland can be assembled onto the cable away from the joint and is then simply plugged into the base.

- Oval port cables are sealed using adhesive-lined heat shrink sleeves or using a mechanical oval port entry kit.

- Multi-Way Entry Glands are available to allow the installation of a number of cables into one circular port.

- Can be supplied with a pressure test valve for flash testing and earthing.

Visit millsltd.com for more info   **For MOBRA Mounting - See page 105**

PART NO.	DESCRIPTION
MMJ-F-X-XXXX-X-X-X	MMJ COMPLETE WITH TRAYS NO KITS
MMJ-F-X-XXXX-Y-X-X	MMJ COMPLETE WITH TRAYS AND TEST VALVE - NO KITS
MMJ-F-X-XXXX-X-Y-X	PRYSMIAN MMJ MEDIUM MULTI-FUNCTION JOINT SE 2.2 WITH TRAYS AND WALL/POLE BRACKET, NO KITS
MMJ-F-X-XXXX-Y-Y-X	PRYSMIAN MMJ MEDIUM MULTI-FUNCTION JOINT SE 2.2 WITH TRAYS, TEST VALVE, POLE/WALL BRACKET, NO KITS

EXTERNAL UNDERGROUND & TOOLING

CABLE ENTRY KITS FOR UMJ, CMJ AND MMJ PRYSMIAN MULTI-FUNCTION JOINTS

A) MECHANICAL CIRCULAR PORT CABLE ENTRY KITS FOR USE WITH UMJ / CMJ / MMJ

Prysmian Circular Port Entry Glands are used to install cables into the ports of a joint closure base. The glands are mechanical in nature and are installed onto the cable, then simply pushed into the base of the joint.

- Available in single, dual, quad and 8 way variations.
- Each kit contains all necessary parts to seal the cable and secure the cable strength members.
- Multi-way glands are useful when installing several smaller cables into one circular port.
- For larger cables an Oval Port Kit is used.

B) MECHANICAL OVAL PORT CABLE ENTRY KITS FOR USE WITH UMJ / CMJ / MMJ

Prysmian Oval Port Mechanical Entry Kits are used to install a loop of cable into the oval port of joint closures.

- Available for the UMJ, CMJ & MMJ joint closures.
- Each kit contains all components required to prepare and install cable and route fibre to the splice trays.
- Cable sealed into the oval port using a mechanical gland system comprising of two plates and a rubber block.

C) HEAT SHRINK OVAL PORT CABLE ENTRY KITS FOR USE WITH UMJ / CMJ / MMJ

The UMJ / CMJ / MMJ Oval Port Heat Shrink Entry Kit is used to install a loop of cable into the oval port.

The kit contains all of the components required to prepare and install the cable, and route the cable fibres to the splice trays.

The cables are sealed into the oval port using a heat shrink sleeve.

Prysmian Group

D) SPLICE PROTECTORS FOR USE WITH UMJ / CMJ / MMJ /LMJ

Prysmian splice protectors used to protect the fibre splice after splicing.

Available in different diameters and lengths.

A) Mechanical Circular Port Cable Entry Kits for use with UMJ / CMJ / MMJ

PART NO.	DESCRIPTION
XJTSC02186	MECH SEAL - DUAL 5 TO 9 MM
XJTSC02572	MECH SEAL - 4 WAY CSM CABLE GLAND
XJTSC02767	MECH SEAL - 4 WAY CSM GLAND 4.0 TO 6.0
XJTSC02768	MECH SEAL - 4 WAY CSM GLAND 5.0 TO 7.0
XJTSC02769	MECH SEAL - 4 WAY CSM GLAND 7.0 TO 8.5
XJTSC02260	MECH SEAL - 8 WAY GLAND 3MM ROUND CABLES
XJTSC02193	MECH SEAL - CABLE ENTRY GLAND 20-23MM
XJTSC02278	MECH SEAL - CIRCULAR ENTRY KIT 4-7MM
XJTSC01755	MECH SEAL - MEDIUM 4 WAY ENTRY GLAND
XJTSC01754	MECH SEAL - MEDIUM ENTRY GLAND 7-20MM
XJTSC02352	MECH SEAL - 4 WAY SST CABLE KIT

B) Mechanical Oval Port Cable Entry Kits for use with UMJ / CMJ / MMJ

PART NO.	DESCRIPTION
XJTSC02031	UMJ / CMJ / MMJ - MECH OVAL PORT KIT - 11 TO 13MM
XJTSC02028	UMJ / CMJ / MMJ - MECH OVAL PORT KIT - 5 TO 7MM
XJTSC02029	UMJ /CMJ / MMJ - MECH OVAL PORT KIT - 7 TO 9MM
XJTSC02030	UMJ / CMJ / MMJ - MECH OVAL PORT KIT - 9 TO 11MM
XJTSC01896	UMJ / CMJ / MMJ- MECH OVAL PORT KIT - 13.1 TO 14.8MM

C) Heat Shrink Oval Port Cable Entry Kits for use with UMJ / CMJ / MMJ

PART NO.	DESCRIPTION
XJTSC01756	UMJ / CMJ / MMJ HEAT SHRINK OVAL PORT KIT

D) Splice Protectors for use with UMJ / CMJ / MMJ/LMJ

PART NO.	DESCRIPTION
XKTSC01284	SPLICE PROTECTORS 1.3MM (PACK OF 12)
XPESC00057	SPLICE PROTECTORS 1.3MM (PACK OF 50)
XKTSC00050	SPLICE PROTECTORS 2.2MM (PACK OF 12)
XKTSC00079	SPLICE PROTECTORS CRIMP (PACK OF 12)
XKTSC00078	SPLICE PROTECTORS CRIMP (PACK OF 50)

ACCESSORIES FOR UMJ, CMJ AND MMJ PRYSMIAN MULTI-FUNCTION JOINTS

E) SPLITTERS FOR USE WITH UMJ / CMJ / MMJ / LMJ

PLC splitters are used to provide a compact and reliable method to split the optical signal. This popular range of splitters is available with up to 32 outputs and has excellent uniformity and low PDL.
64 output splitters are available on request.

K) PRYSMIAN UMJ / CMJ / MMJ HALF SIZE MOBRA MOUNTING BRACKET

Prysmian MOBRA arms for use with UMJ, CMJ and MMJ Closures.
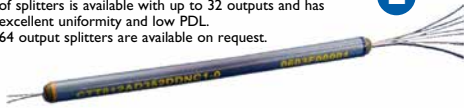
F) PRYSMIAN GLAND WRENCH

The gland spanner is used to tighten the cable glands used for circular port entry.

The spanner has a flat profile on one end and a cupped profile on the other end.

L) PRYSMIAN POLE/WALL MOUNTING BRACKET UMJ/ CMJ/MMJ

The Pole / Wall Mounting Bracket is a universal bracket fitted to the clamp of the joint.

It is used to mount the UMJ / CMJ or MMJ closure to a pole, wall, or wall of a footway box and allows storage in the horizontal or vertical position.

G) PRYSMIAN SILICON SEALING GREASE (PACK 5)

Silicone grease is used when installing a cable into one of the mechanical entry glands.

The grease is smeared onto the cable sheath to ensure that any imperfections in the sheath do not affect the cable sealing.

Supplied in a pack of 5.

M) PRYSMIAN UMJ CMJ MMJ FLAT WALL / POLE MOUNTING BRACKET

Wall or pole mounting bracket that can allow the UMJ to site closer to the wall.

Perfect for congested pits where there is limited space

Tested to the IP68 specification.

Can be used with the UMJ, CMJ and the MMJ.

H) PRYSMIAN UMJ / CMJ / MMJ SUPPORT TOOL

The Support Tool allows the user to support the Joint within a portable workbench.

The bracket is designed to fit most commercially available workbenches.
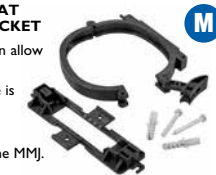
Prysmian Group

E) SPLITTERS FOR USE WITH UMJ / CMJ / MMJ / LMJ

PART NO.	DESCRIPTION
XSPSG00002	SP-PL-1/04-XXX/XXX-2.0/2.0-SM08-250-DWWB
XSPSG00003	SP-PL-1/08-XXX/XXX-2.0/2.0-SM08-250-DWWB
XSPSG00004	SP-PL-1/16-XXX/XXX-2.0/2.0-SM08-250-DWWB
XSPSG00005	SP-PL-1/32-XXX/XXX-2.0/2.0-SM08-250-DWWB

I) PRYSMIAN EMERGENCY PORT ENTRY KIT HEAT SHRINK UMJ / CMJ / MMJ / LMJ

The Emergency Port Entry Kit is used to install an additional cable into one of the small circular ports of the joint.

The kit comprises a cable heat shrink, aluminium foil and an alcohol wipe.

F-J) GENERAL ACCESSORIES FOR USE WITH UMJ / CMJ / MMJ/ LMJ

XJTSC02320	F) MECH SEAL - SPANNER
XBFSC00260	G) SILICON SEALING GREASE (PACK OF 5)
XJTSC00075	H) UMJ / CMJ / MMJ SUPPORT TOOL
XKTSC00401	I) EMERGENCY PORT KIT
XJTSC02608	J) HEAT SHRINK PORT GLAND FOR CABLES OVER 16MM

J) PRYSMIAN HEAT SHRINK PORT ADAPTOR PLUG 16-30MM LMJ

Heat Shrink Port Adaptor Plug for use with Prysmian LMJ Joints.

For cables up to 30mm in diameter.

K-M) MOUNTING BRACKETS FOR USE WITH UMJ / CMJ / MMJ/ LMJ

XJTSC03265	K) UMJ/CMJ/MMJ HALF SIZE MOUNTING BRACKET
XJTSC02585	K) PRYSMIAN UMJ / CMJ / MMJ FULL SIZE MOBRA KIT
XJTSC02405	K) PRYSMIAN UMJ CMJ MMJ MOUNTING BRACKET
XJTSC03286	K) PRYSMIAN UMJ/CMJ/MMJ UNIVERSAL MOBRA ARM MOUNTING KIT
XJTSC00136	L) UMJ / CMJ / MMJ POLE/WALL MOUNTING BRACKET
XJTSC03020	N) FLAT BRACKET FOR UMJ / CMJ / MMJ

PRYSMIAN LMJ LARGE MULTI-FUNCTION JOINT – AVAILABLE IN SHORT, MEDIUM AND LARGE VERSIONS

Prysmian LMJ Large Multi-Function Joint – available in short, medium and large versions

The LMJ is used for access applications within the external optical network and can be used for track, spur and loop applications.

It can accommodate a wide variety of cables such as loose tube, central loose tube, Flextube and blown fibre.

The modular tray system is designed for positive fibre management for Single Circuit Management (SCM) and Single Element Management (SEM), and the splice trays can accommodate a variety of different types of splice protectors and splitters.

The joint has ten circular ports and one oval port for mechanical entry. Mechanical glands are used to seal cables into the circular ports.

Features and Benefits

• A large closure for optical cable splicing with two vertical tray stacks.

• Two input manifolds manage cable tubes to a common routing channel.

• Input manifolds enable fibres to be passed from stack to stack.

• Cables are sealed using mechanical sealing glands. Cables from 4 to 23mm in diameter can be accommodated into each circular port.

• Multi-Way Entry Glands provide alternate mechanical entry to allow up to 8 cables in each circular port.

• Can accommodate a range of splitter modules from 1x2 to 2x64.

• The closure is sealed to IP68.

The LMJ is supplied as an empty closure with a cap, a base, a clamp, a sealing gasket and a support frame.

A) PRYSMIAN LMJ - SHORT CAP CLOSURE 48 TRAYS (24+24) SPLICE CAPACITY 1152F

B) PRYSMIAN LMJ - MEDIUM CAP TOTAL TRAY CAPACITY: 80 TRAYS (40+40)

C) PRYSMIAN LMJ - LARGE CAP TOTAL TRAY CAPACITY: 112 TRAYS (56+56)

D) PRYSMIAN LMJ - SHORT CAP CLOSURE 48 TRAYS (24+24) SPLICE CAPACITY 1152F

PART NO.	DESCRIPTION
XJTSC02365	A) LMJ - SHORT CAP CLOSURE + 48 SE2.2 TRAYS
XJTSC02366	B) LMJ - MEDIUM CAP CLOSURE + 80 SE2.2 TRAY
XJTSC02367	C) LMJ - LONG CAP CLOSURE + 112 SE2.2 TRAYS
XJTSC02357	D) LMJ - SHORT CAP CLOSURE 48 TRAYS (24+24) SPLICE CAPACITY 1152F

LMJ PORT CABLE ENTRY KITS AND ACCESSORIES

A) LMJ Mechanical Oval Port Cable Entry Kits

C) Prysmian LMJ Universal MOBRA Arm Mounting Kit

A universal bracket designed to allow Prysmian LMJ enclosures to be mounted on a standard MOBRA arm (S83-0526). LMJ not to be used in a JUF2 chamber.

B) LMJ Mechanical Circular Port Cable Entry Kits

D) Prysmian LMJ Mobra Mounting Bracket

The arm is designed to be used in JUF/4/6/10 chambers and used with a S83-0525 JUF/4/6 mobra chamber mounting bracket and S83-0524 JUF/10 mobra chamber mounting bracket- Overall length 810mm x width 60mm.

E) Prysmian LMJ Support Tool

Allows the user to support an LMJ joint within a portable workbench.

F) Prysmian LMJ Handle Kit

Contains two handles and two long cable ties. The handles can be strapped to the LMJ cap to ease lifting in and out of the jointing pit.

G) Prysmian LMJ Wall / Pole Mounting Bracket

H) Prysmian Splice Tray Module 4x 12F For LMJ Closures

Prysmian splice tray module 4x 12F for use with LMJ Joints.

For use with 2.2mm x 45mm Splice Protectors.

PART NO.	DESCRIPTION
XJTSC02270	A) LMJ - OVAL PORT KIT 10.0 TO 12.0
XJTSC02185	A) LMJ - OVAL PORT KIT 11.5 TO 17.5MM
XJTSC02271	A) LMJ - OVAL PORT KIT 12.0 TO 14.0
XJTSC02272	A) LMJ - OVAL PORT KIT 14.0 TO 16.0
XJTSC02273	A) LMJ - OVAL PORT KIT 16.0 TO 18.0
XJTSC02555	A) LMJ - OVAL PORT KIT 18.0 TO 20.0MM
XJTSC02556	A) LMJ - OVAL PORT KIT 20.1 TO 21.5MM
XJTSC02382	A) LMJ - OVAL PORT KIT 6.0-8.0 GENERAL
XJTSC02269	A) LMJ - OVAL PORT KIT 8.0 TO 10.0
XJTSC02186	B) MECH SEAL - DUAL 5 TO 9 MM
XJTSC02572	B) MECH SEAL - 4 WAY CSM CABLE GLAND
XJTSC02767	B) MECH SEAL - 4 WAY CSM GLAND 4.0 TO 6.0
XJTSC02768	B) MECH SEAL - 4 WAY CSM GLAND 5.0 TO 7.0
XJTSC02769	B) MECH SEAL - 4 WAY CSM GLAND 7.0 TO 8.5
XJTSC02260	B) MECH SEAL - 8 WAY GLAND 3MM ROUND CABLES
XJTSC02193	B) MECH SEAL - CABLE ENTRY GLAND 20-23MM
XJTSC02278	B) MECH SEAL - CIRCULAR ENTRY KIT 4-7MM
XJTSC01755	B) MECH SEAL - MEDIUM 4 WAY ENTRY GLAND
XJTSC01754	B) MECH SEAL - MEDIUM ENTRY GLAND 7-20MM
XJTSC02352	B) MECH SEAL - 4 WAY SST CABLE KIT
XJTSC02953	C) PRYSMIAN LMJ UNIVERSAL MOBRA ARM MOUNTING KIT
XJTSC03203	D) LMJ MOUNTING BRACKET
XJTSC02274	E) LMJ - SUPPORT BRACKET KIT
XJTSC02548	F) LMJ - HANDLE KIT
XJTSC02597	G) LMJ - WALL / POLE BRACKET - GM
XJTSC02262	H) PRYSMIAN SPLICE TRAY MODULE 4X 12F FOR LMJ CLOSURES

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EXTERNAL
UNDERGROUND
& TOOLING

FOSC 400 & FOSC 450G EXTERNAL FIBRE OPTIC SPLICE CLOSURES

CommScope's FOSC 400 products are butt-type closures used in the outside plant network when mass splice storage is the main requirement.

They are available in four different sizes and are typically used as track joints. Depending on the closure size, the splice storage and organiser trays can accommodate from 6 to 768 single fibre splices. All splicing trays are hinged at one end and any fibre can be accessed without disturbing fibre on other trays, kinking buffer tubes, or introducing losses. All cable termination and sealing functions are provided with the closures. Uncut loose buffer tube storage is provided in optional storage baskets.

GEL SEALED

FOSC 450G   **FOSC 400**

The FOSC 400 range is available with traditional heat shrink cable seals or TE's new gel sealing system. FOSC 450G gel sealed splice closures have the same splice capacity as standard FOSC 400 closures and feature the same reliable and easy-to use dome-to-base clamping system. The major difference with the FOSC 450G closures is that the cable sealing terminations use gel sealing technology instead of traditional heat shrink. Gel seal cable terminations automatically adjust to cable size and shape, and require no special tools, tapes or mastics to install. Gel seals enable quick and easy cable removal and are completely re-usable.

COMMSCOPE
Distributor

Ring sales for *ordering guide* or visit: millsltd.com

FIST-GC02 EXTERNAL FIBRE OPTIC SPLICE CLOSURES

CommScope's generic closure FIST-GCO2 is an environmentally sealed enclosure for the FIST fibre management system. The closure is a single-ended design made of a thermoplastic material. The base and dome are sealed with a clamp (or latches) and an O-ring system. One oval entry port for looped (uncut) cable and 6 or 16 round ports for single cable entry/exit are provided in the base. (8 round or 6 + 1 oval port for GCO2-FX version).

FIST-GCO2 has provision for all cable termination and sealing requirements. Cable seals are manufactured from heat-shrinkable or gel material.

The universal mounting system profiles provide the foundation for mounting combinations of SOSA2 Tray and/or SASA2 splitter modules, which consist of a modular groove plate and trays.

COMMSCOPE
Distributor

Ring sales for *ordering guide* or visit: millsltd.com

COMMSCOPE FIST MSC MODULAR SPLICE CLOSURE

Single ended o-ring sealed dome closure for high capacity splicing in a versatile and modular build. Transient free and flexible FIST fibre management for optimised fibre routing and cable storage.

Fully removable base for easy cable access during installation and provisioning. Compatible with high end environmental specifications for aerial, pedestal, underground or direct buried applications. Superior gel-sealing technology incorporated in interchangeable and fully wrap around gel segments.

Toolless and intuitive design in cable seals and cable attachments. Compatible with a wide range of fibre cable sizes and types.

COMMSCOPE Distributor

Commscope Wall / Pole Mounting Bracket for FIST-MSC Closures

Commscope Wall / Pole Mounting Bracket for FIST-MSC Closures

Visit millsltd.com for more info

PART NO.	DESCRIPTION
FIST-MSC	COMMSCOPE FIST MSC MODULAR SPLICE CLOSURE
760242595	COMMSCOPE WALL / POLE MOUNTING BRACKET FOR FIST-MSC CLOSURES

COMMSCOPE FIST-EDSA FTTH ENCLOSURE

The FIST-EDSA features innovative sealing and cable retention for a range of cables, combined with proven gel-seal technology and FIST fibre management hardware.

COMMSCOPE Distributor

Features:
- Single-ended base and dome design with only two latches
- Four long oval-shaped gel-sealed drop ports for 12 drop cables each (maximum 48 drops)
- One oval shaped gel-sealed feeder port
- Feeder loop possibility
- Feeder cable diameter maximum 16mm
- Drop cable diameter range: 5-8mm
- Fast, easy, toolless installation
- Single-sided UMS (Universal Mounting System) frame allows mounting of FIST management grooveplates and trays
- Repair and upgrade possibility
- Intuitive identification
- Eliminates need for waterblock connectors
- New cable attachment design: toolless and wrap-around installation.
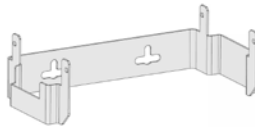
CommScope Wall Mounting bracket for FIST EDSA Fibre Closure

CommScope Wall Mounting bracket for FIST EDSA Fibre Closure.

Visit millsltd.com for more info

PART NO.	DESCRIPTION
FIST-EDSA	COMMSCOPE FIST-EDSA FTTH ENCLOSURE
EG2461-000	COMMSCOPE WALL MOUNTING BRACKET FOR FIST EDSA FIBRE CLOSURE

EXTERNAL UNDERGROUND & TOOLING

TENIO FIBRE CLOSURES

TENIO closures enable 30% faster, future-proof network deployments in 30% less space. TENIO closures feature modular building blocks and combine proven fibre management hardware with a new sealing system to simplify training and reduce inventory. The CommScope closure's 100-percent mechanical, tool-less and intuitive design facilitates lower-skilled network deployments. Full modularity of the closure platform supports a phased CAPEX network deployment scheme, reducing up-front CAPEX investment.

Designed for use with any cable construction (loose buffer tube, central core tube, loose fibre), the closures deploy in any environment (aerial, pedestal, handhole, manhole) and CommScope's superior gel-sealing technology guarantees sealing regardless of cable type and form.

Reduced installation time
• Optimized FIST fibre management system leading to 30% faster and more intuitive fibre routing and installation
• Up to 144 (12 x 12 fibres), 192 (8 x 24 fibres) or 288 (12 x 24 fibres) fibre splices

Dedicated storage locations
• Separate location for optical device storage maintains full splice capacity
• Storage basket for looped cable with tubes up to 2.4 mm in diameter
• Integrated basket for drop cable, spare fibre storage

Fibre and cable technology independent
• Compatible with 652D fibre
• Minimum 1.2m over-length storage per splice side
• Control fibre/tube grow-out for up to +20 mm

Available in B6,C6 and C6H Sizes

COMMSCOPE
Distributor

ACCESSORIES

Splice trays
Order separate splice trays to complete unloaded or partially loaded closures.

Patch trays
Order these trays for retrofit in TENIO-B6 or TENIO-C6 closures. These trays provide test/monitoring points.

Adaptors are ordered separately; only adaptors without flanges fit in these patch trays.

Field installable splitter sub-assemblies
Order this assembly and optical splitter module to add splitting capability to a new or previously installed TENIO closure.

To configure and receive a quotation for your Tenio, please contact our sales department.

B6 Closure

C6 and C6H closure
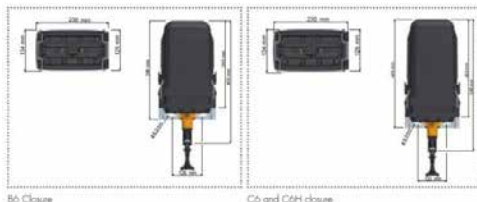
Ring sales for ordering guide or visit: millsltd.com

MILLS MOBRA ARM MOUNTING KIT FOR COMMSCOPE TENIO CLOSURE

A complete mounting kit for mounting a standard CommScope Tenio enclosure directly to standard MOBRA arms.

The kit comprises:
1 x Tenio Enclosure Bracket
4 x Clevis Pins to attach Tenio to Bracket
1 x Tenio/Mobra Saddle Bracket

Visit millsltd.com for more info

PART NO.	DESCRIPTION
S83-2581	MILLS MOBRA ARM MOUNTING KIT FOR COMMSCOPE TENIO CLOSURE

EXTERNAL UNDERGROUND & TOOLING

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OFDC SPLICE CLOSURES FROM COMMSCOPE

Outdoor Fibre Distribution Closure (OFDC) family. Including three different series, the OFDC family accepts a wide range of distribution and drop cables thus responding to virtually all application requirements.

Each series has a common housing that can be configured to handle different connectivity solutions; such as splice-only, pre-connectorized drop cables, and field-installable connectors (FIC) - significantly simplifying training.

The field-friendly design can be installed in pedestal, hand hole, pole or strand mount applications for fast and easy integration into the FTTx network. Strand, Ped and Pole mount bracket accessory kits are also available for easy installation.

A) OFDC-A4. The smallest splicebox in the CommScope OFDC series. Finished with gel seals and splice cassettes.

- Indoor / outdoor use
- Enclosure class IP68
- Capacity of 24 joints
- 2 supply cables 4.5-12 mm
- 4 drop cables 2-6 mm
- Dimensions 211 x 94 x 70 mm

EXTERNAL UNDERGROUND & TOOLING

B) OFDC-BG8.
The middle-size splicebox in the CommScope OFDC series. Finished with gel seals and splice cassettes.

- Indoor / outdoor use
- Enclosure class IP68
- Capacity of 66 joints
- 2 supply cables 11.5-15 mm
- 2 branches 8-11 mm
- 8 drop cables 1.5-5.5 mm
- 324 x 156 x 128 mm

D) Mills Mobra Arm Mounting Kit for Commscope OFDC BG-8

Accessory kit for mounting a standard Commscope OFDC BG-8 enclosure.

E) S83-5094 Mills Mobra Arm Mounting Kit for Commscope OFDC BG-12

Accessory kit for mounting a standard Commscope OFDC BG-12 enclosure.

The kits comprise:
- 1 x Star Shaped OFDC Saddle Bracket with pinch bolt
- 4 x M6 bolts and washers for attaching bracket to OFDC.

F) CommScope Universal FTTx Bracket Pole/Chamber For OFDC & BUDI Enclosures.

Mounting brackets and accessorries for CommScope OFDC, BUDI and HST product solutions

- Universal FTTx bracket for OFDC enclosures
- Also suitable for BUDI 1S & 2S enclosures
- DescriptionUniversal FTTx Bracket

Manufacturer Part Number:760253871

C) OFDC-C12. The largest splicebox in the CommScope OFDC series. Finished with gel seals and splice cassettes.

- Indoor / outdoor use
- Enclosure class IP68
- Capacity of 96 joints
- 2 supply cables 11.5-15 mm
- 2 branches 8-11 mm
- 12 drop cables 1.5-5.5 mm
- 370 x 314 x 118 mm
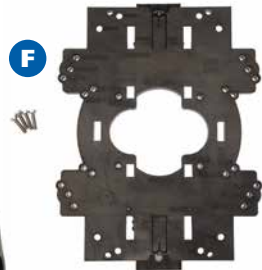
COMMSCOPE
Distributor

PART NO.	DESCRIPTION
OFDC-A4	A) COMMSCOPE OFDC-A4 EXTERNAL FIBRE OPTIC SPLICE/PATCH CLOSURE
OFDC-C12	B) COMMSCOPE OFDC-C12 EXTERNAL FIBRE OPTIC SPLICE/PATCH CLOSURE
OFDC-BG8	C) COMMSCOPE OFDC-BG8 EXTERNAL FIBRE OPTIC SPLICE/PATCH CLOSURE
S83-0115	D) MILLS MOBRA ARM MOUNTING KIT FOR COMMSCOPE OFDC BG-8
S83-5094	E) MILLS MOBRA ARM MOUNTING KIT FOR COMMSCOPE OFDC BG-12
760253871	F) COMMSCOPE UNIVERSAL FTTX BRACKET POLE/CHAMBER

THESE ARE CONFIGURABLE PRODUCTS
Please call sales for further details

DUCT RODS

S83-1446 Ref: 126254.
S83-0711 Ref: 126277.
S83-1505 Ref: 126436.

BAILEY PRODUCTS Genuine BT specification rods, manufactured in the UK.

Four different threads are used to connect the most commonly used duct rods.

Type A: S83-1446 Duct Rod No.1 (3 metre) and S83-0711 No.2 (2 metre) Male and Female

Type B: S83-1505 Duct Rod No.5 Male and Female

Type C: S83-0776 Duct Rod No.3 Continuous Male and Female

Type D: S83-0776 Duct Rod No.3 Continuous Male only - For attachment to the bare rod only

A) As supplied to approved by the telecom utilities. 25mm diameter high quality glass fibre reinforced rod with polyethylene outer coating. Features quick release brass threaded fittings that can be quickly joined and released.

B) As supplied to approved by the telecom utilities Duct Rod No 5 is a 13mm diameter high quality glass fibre reinforced rod with polyethylene outer coating. The rod is 2m in length with quick release brass threaded fittings that can be quickly joined and released.

PART NO.	DESCRIPTION
S83-1446	A) NO.1 FERRET TYPE 3M X 25MM
S83-0711	A) NO.2 FERRET TYPE 2M X 25MM
S83-1505	B) NO.5 FERRET TYPE 2M X 13MM

DUCT ROD NO.3 CONTINUOUS 250M X 15/16 INCH

Used and approved by the telecom utilities Duct Rod No.3 is a 15/16" diameter high quality reinforced fibreglass rod with polyethylene outer coating supplied in a continuous coiled reel of 250m with no joints fitted. This item is usually supplied on its own to fit to a motorised swift in larger vans with S83-0780 Coupling Rod Duct 3 Reel.

Coil diameter approx. 183cm or 6'.

PART NO.	DESCRIPTION
S83-0776	DUCT ROD NO.3 CONTINUOUS 250M X 15/16 INCH

MILLS DUCT ROD NO.1 ACCESSORY KIT

Comprehensive accessory kit for S83-1446 Duct Rod No.1 and S83-0711 Duct Rod No.2.

Comprising:

S83-0714 Adaptor Rod 1A
S83-0712 Adaptor Rod 2A
S83-0713 Adaptor Rod 3A
S83-0715 Adaptor Rod 5
S83-0716 Adaptor Rod 7
S13-0720 Attachment Rod 4A

Now supplied in B99-1832 Mills Storage Pouch.

PART NO.	DESCRIPTION
S00-7671	MILLS DUCT ROD NO.1 ACCESSORY KIT

MILLS DUCT ROD NO.3 ACCESSORY KIT

Comprehensive accessory kit for S83-0776 Duct Rod No.3 Continuous

Comprising:

S83-0714 Adaptor Rod 1A
S83-0712 Adaptor Rod 2A
S83-0713 Adaptor Rod 3A
S83-0715 Adaptor Rod 5
S13-0720 Attachment Rod 4A
S83-0777 Coupling Rod Duct 3 Male
S83-0778 Coupling Rod Duct 3 Male Swivel
S83-0779 Coupling Rod Duct 3 Male

Now supplied in B99-1832 Mills Storage Pouch.

PART NO.	DESCRIPTION
S00-7672	MILLS DUCT ROD NO.3 ACCESSORY KIT

MILLS DUCT ROD NO.5 ACCESSORY KIT

Comprehensive accessory kit for S83-1505 Duct Rod No.5.

Comprising:
S83-0717 Attachment Rod 1A
S83-0718 Attachment Rod 2A
S83-0719 Attachment Rod 3A
S83-0716 Adaptor Rod 7

Now supplied in B99-1832 Mills Storage Pouch.

PART NO.	DESCRIPTION
S00-7673	MILLS DUCT ROD NO.5 ACCESSORY KIT

SUBDUCT PULLING EYE (WUD CARROT / GRIP THREADED)

Designed to install polyethylene ducting (sub duct) using a 100mm long screw-in tapered thread which will grip ducts with an inner diameter of 10 to 22mm. These 'grips threaded' have cutting edges which actually make a thread in the bore of the ducting, similar to using a tap to cut a thread in steel. To ensure a reliable grip we recommend 7 or 8 full threads of contact.

The Mills WUD Carrot has a 'Type A' male thread for direct fitting to the female end of the No1 and No2 Ferret Duct Rods (S83-1446 and S83-0711). These subduct 'pulling eyes' are manufactured from hardened steel and have been zinc plated to provide corrosion resistance.

PART NO.	DESCRIPTION
S13-1825	SUBDUCT PULLING EYE (WUD CARROT)

GRIP COUPLING 1A

The Grip Coupling 1A is a simple 3 metre x 13mm fibre rod to assist in straightening 25mm subduct No5, prior to installation.

The full length of the rod is inserted and secured into the 25mm subduct using its tapered thread fixing.

Once secured the 'Grip Coupling 1A' can then be attached to a duct rod No1 (S83-1446) or duct rod No2 (S83-0711) and the subduct easily introduced and pulled into the main duct.

PART NO.	DESCRIPTION
S83-9321	GRIP COUPLING 1A

ADAPTOR ROD 1A

This adaptor has Type C female thread and a Type A male thread and can be used to attach S83-0778 Coupling Rod Duct 3 Male Swivel and S83-0779 Coupling Rod Duct 3 Male to the female end of a S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2.

Ref: 126484.

PART NO.	DESCRIPTION
S83-0714	ADAPTOR ROD 1A

ADAPTOR ROD 2A

This adaptor has a Type A female lockfast thread and a Type C male thread and adapts the male end of an S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2 for use with an S83-0720 Attachment Rod 4A or Coupling Up Pieces S83-0721 and S83-0722.

Ref: 126540.

PART NO.	DESCRIPTION
S83-0712	ADAPTOR ROD 2A

ADAPTOR ROD 3A

This adaptor has a Type A male thread and a Type C male thread and provides a multitude of connection options including the adaption of the female end of a S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2 to connect to a S83-0720 Attachment Rod 4A or Coupling Up Pieces S83-0721 and S83-0722.

Ref: 126485.
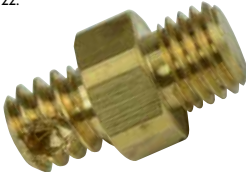
PART NO.	DESCRIPTION
S83-0713	ADAPTOR ROD 3A

ADAPTOR ROD 5

This adaptor has a Type A male thread and a Type C male thread. It can be used as a flexi-end when fixed into the female end of a S83-1446 Duct Rod No1 or S83-0711 Duct Rod No 2 and combined with S83-0720 Attachment Rod 4A. It can also be used to connect S83-1446 Duct Rod No1 or S83-0711 Duct Rod No 2, to S83-0721 and S83-0722 Coupling Up Pieces.

Ref: 126296.

PART NO.	DESCRIPTION
S83-0715	ADAPTOR ROD 5

ADAPTOR ROD 7

This adaptor has a Type B male thread and a Type A female thread and allows the male end of S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2 to join to the female end of S83-1505 Duct Rod No 5.

Ref: 110002.

PART NO.	DESCRIPTION
S83-0716	ADAPTOR ROD 7

ATTACHMENT ROD 1A

This attachment has a Type B male thread and is used as a bullet end / leader when attached to the female end of S83-1505 Duct Rod No.5.

Ref: 126479.

PART NO.	DESCRIPTION
S83-0717	ATTACHMENT ROD 1A

C.SCOPE RODDING OSCILLATOR SONDE 33KHZ

This C Scope rodding adaptor is a 33KHz Duct Sonde which is battery operated and just 24mm in diameter. It screws onto either Duct Rod No1 or No2 via a Duct Adaptor 2A (S83-0712). This allows the route of the duct to be traced using a Cat Style Locator.

PART NO.	DESCRIPTION
S83-2058	C.SCOPE RODDING OSCILLATOR SONDE 33KHZ

PLIERS ROD SWEEP

For assembling and disassembling Duct Rods No.1, No.2 and No.5 and accessories. Jaw opening: 10mm. Width: 30mm. Length: 190mm. Weight: 0.19kg.

Ref: 126730.

PART NO.	DESCRIPTION
S83-2676	PLIERS ROD SWEEP

Mills
EST. 1919

ATTACHMENT ROD 2A

This attachment has Type B female 'Lockfast' thread and is used as a bullet end or leader when attached to the male end of S83-1505 Duct Rod No 5.

The attachment is 73mm in length with a diameter of 13mm.

Ref: 126480.

PART NO.	DESCRIPTION
S83-0718	ATTACHMENT ROD 2A

ATTACHMENT ROD 3A

This attachment has a Type B male thread and is a flexi spring end complete with a bullet end / leader when attached to the female end of S83-1505 Rod Duct No.5.

Ref: 126973.

PART NO.	DESCRIPTION
S83-0719	ATTACHMENT ROD 3A

ATTACHMENT ROD 4A

This attachment has a Type C female thread and is used as a bullet end or leader. To use with S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2 requires either: S83-0713 Adaptor Rod 3A, S83-0712 Adaptor Rod 2A, S83-0715 Adaptor Rod 5.

To use with S83-0776 Duct Rod No.3 Continuous 250m requires: S83-0778 Coupling Rod Duct 3 Male Swivel, S83-0779 Coupling Rod Duct 3 Male.

Ref: 126382.

PART NO.	DESCRIPTION
S13-0720	ATTACHMENT ROD 4A

COUPLING ROD DUCT 3 MALE

This coupling has a Type D male thread for attachment to a bare S83-0776 Duct Rod No 3 and a Type C male thread for connection to other Type C female thread couplers and attachments such as:

S83-0720 Attachment Rod 4A
S83-0777 Coupling Rod Duct 3 Female
S83-0714 Adaptor Rod 1A
S83-0721 Coupling Up Piece No.1 Small
S83-0722 Coupling Up Piece No.2 Medium

Ref: 126393.

PART NO.	DESCRIPTION
S83-0779	COUPLING ROD DUCT 3 MALE

COUPLING ROD DUCT 3 FEMALE

For repair of S83-0776 Duct Rod No.3 Continuous, this item can be used in combination with S83-0778 Coupling Rod Duct 3 Male Swivel or S83-0779 Coupling Rod Duct 3 Male.

This coupling has Type D male thread for attachment to a bare S83-0776 Duct Rod No.3 Continuous and a Type C female thread for connection to other Type C male thread couplers and attachments such as: S83-0715 Adaptor Rod 5, S83-0778 Coupling Rod Duct 3 Male Swivel, S83-0779 Coupling Rod Duct 3 Male, S83-0712 Adaptor Rod 2A, S83-0713 Adaptor Rod 3A.

Ref: 126394.

PART NO.	DESCRIPTION
S83-0777	COUPLING ROD DUCT 3 FEMALE

COUPLING UP PIECE NO 1 (SMALL)

The No.1 (Small) Lockfast Marrying Set has a Type C female thread at each end. It is designed to connect or 'marry' duct rods in congested or smaller ducts. Dimensions: 34.5mm x 165mm.

PART NO.	DESCRIPTION
S13-0721	COUPLING UP PIECE NO 1 (SMALL)

COUPLING ROD DUCT 3 MALE SWIVEL

For repair of S83-0776 Duct Rod No.3 Continuous, this item can be used in combination with S83-0777 Coupling Rod Duct 3 Female.

This coupling has a Type D male thread for attachment to a bare S83-0776 Duct Rod No 3 and a swivel Type C male thread for connection to other Type C female thread couplers and attachments such as: S83-0720 Attachment Rod 4A, S83-0777 Coupling Rod Duct 3 Female, S83-0714 Adaptor Rod 1A, S83-0721 Coupling Up Piece No.1 Small, S83-0722 Coupling Up Piece No.2 Medium.

Ref: 126393.

PART NO.	DESCRIPTION
S83-0778	ROD DUCT 3 MALE SWIVEL

COUPLING UP PIECE NO 2 (MEDIUM)

The No.2 (Medium) Lockfast Marrying Set has a Type C female thread at each end. It is designed to connect or 'marry' duct rods whilst in the duct. Dimensions: 47.5mm x 165mm.

PART NO.	DESCRIPTION
S13-0722	COUPLING UP PIECE NO 2 (MEDIUM)

EXTERNAL UNDERGROUND & TOOLING

A) FREMCO DUCT ROD RAPID PUSHER

Introducing the new Fremco Duct Rod Pusher, designed in conjunction with Mills Limited and utilising all the reliability of the larger Fremco Fibre Blowing machines, this is a quality duct rod pushing machine designed to assist in rodding operations, and capable of effortlessly pushing continuous rod from 9-25mm diameter with typical distances of up to 300 metres.

The unit is mounted on a sturdy, anti-corrosion treated tubular steel frame, and powered by a strong hydraulic unit (not included) capable of delivering up to 200kg at a speed of 80 metres per minute (for safety reasons we recommend max speeds of 30 metres per minute.) The hydraulic control lever has adjustable torque, distance and speed measurement for complete rod control.

In addition the Fremco Duct Rod Pusher is equipped with a flexible clamping unit, allowing attachment of the machine to the sidewall of the manhole securing a more stable installation.

For additional safety considerations, the unit has a clamp assembly which allows subduct to be securely fixed between the rod pusher and cobra.

Includes:
• Fremco Duct Rod Pusher
• Control valve for Duct Rod Pusher
• 25mm duct holder inserts
• Set of chains

Specifications:
Rod diameter: 9-25 mm
Duct diameter: 10-40 mm
Installation speed: Up to 80 m/min
Max. hydraulic pressure: 110 bar
Pushing/pulling force: 0-200 kg
Clamping unit range: 475-900 mm
Weight: 68 kg
Length: 1050 mm
Width: 475 mm
Height: 790 mm

B) FREMCO DUCT ROD RAPID PUSHER WITH HYDRAULIC POWER PACK & HOSES

Includes:
• Fremco Duct Rod Pusher
• Hydraulic Unit
• Control valve for Duct Rod Pusher
• 5 metre hydraulic hose
• 25mm duct holder inserts
• Set of chains

PART NO.	DESCRIPTION
101-220106001	A) FREMCO DUCT ROD RAPID PUSHER
101-220106002	B) FREMCO DUCT ROD RAPID PUSHER WITH HYDRAULIC POWER PACK & HOSES

A) RADIODETECTION SPX S18 SONDE ADAPTOR ROD DUCT 1

Adaptor to join the Radiodetection SPX S18 Sonde to Rods Duct 1. Also available as a spring assisted version for flexibility.

B) RADIODETECTION SPX S18 SONDE ADAPTOR ROD DUCT 1 SPRING LOADED

Adaptor to join the Radiodetection SPX S18 Sonde to Rods Duct 1.Spring assisted for flexibility.

C) RADIODETECTION SPX S18 SONDE 33KHZ

A battery operated transmitter used to indicate its position after being inserted into underground ducts, drains or sewers. Typically attached to ducting rods for insertion and then located using a CAT locator. Depth 3.5m

PART NO.	DESCRIPTION
S83-2670	A) RADIODETECTION SPX S18 SONDE ADAPTOR ROD DUCT 1
S83-2671	B) RADIODETECTION SPX S18 SONDE ADAPTOR ROD DUCT 1 SPRING LOADED
S83-2669	C) RADIODETECTION SPX S18 SONDE 33KHZ

A) MILLS SWIVEL CONNECTOR - DUCT ROD NO.1 / NO.2 TO 9 / 11MM COBRA

A 19mm diameter swivel for joining duct (ferret) rod No.1 and No.2 (S83-1446 and S83-0711) to a 9mm and 11mm cobra.

B) MILLS SWIVEL CONNECTOR - DUCT ROD NO.1 / NO.2 TO 6MM COBRA

A 19mm diameter swivel for joining duct (ferret) rod No.1 and No.2 (S83-1446 and S83-0711) to a 6mm cobra.
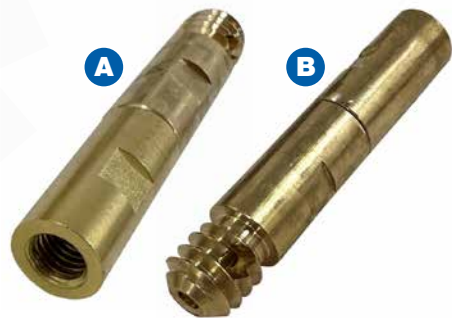
PART NO.	DESCRIPTION
S13-1370	A) MILLS SWIVEL CONNECTOR - DUCT ROD NO.1 / NO.2 TO 9 / 11MM COBRA
S13-1371	B) MILLS SWIVEL CONNECTOR - DUCT ROD NO.1 / NO.2 TO 6MM COBRA

RODS CONTINUOUS (COBRA)

Cobra rods represent a faster and more economic solution to screw together duct rods and are available in standard diameters from 4.5mm to 14mm and range of lengths to suit most applications.

The conduit rods are supplied in robust zinc plated steel frames and utilise a high quality reinforced fibreglass rod with high tensile strength ensuring on-going reliability and performance. 4.5mm and 6mm units are free standing whilst the heavier 9mm, 11mm and 14mm units are supplied with wheels for mobility and ease of use.

PART NO.	DESCRIPTION
S00-7714	4.5MM X 60M ROD AND FRAME 6KG
S00-7750	4.5MM X 60M REPLACEMENT ROD 2KG
S00-3062	4.5MM X 80M ROD AND FRAME 8KG
S00-3585	4.5MM X 80M REPLACEMENT ROD 3KG
S00-1358	6MM X 60M ROD & FRAME 10KG
S00-1368	6MM X 60M REPLACEMENT ROD 1KG
S00-3063	4.5MM X 100M ROD AND FRAME 9.5KG
S00-3586	4.5MM X 100M REPLACEMENT ROD 4KG
S00-3590	6MM X 100M ROD & FRAME 12KG
S00-3591	6MM X 100M REPLACEMENT ROD 3KG
S00-3290	6MM X 120M ROD AND FRAME 12KG
S00-3291	6MM X 120M REPLACEMENT ROD 3KG
S00-3292	6MM X 150M ROD AND FRAME 13KG
S00-3293	6MM X 150M REPLACEMENT ROD 4KG
S00-3294	9MM X 100M ROD AND FRAME 30KG
S00-3295	9MM X 100M REPLACEMENT ROD 9KG
S00-1352	9MM X 120M ROD & FRAME 32KG
S00-1369	9MM X 120M REPLACEMENT ROD 11KG
S00-1370	9MM X 150M ROD & FRAME 35KG
S00-1371	9MM X 150M REPLACEMENT ROD 14KG
S00-3296	9MM X 200M ROD AND FRAME 40KG
S00-3297	9MM X 200M REPLACEMENT ROD 18KG
S00-3298	11MM X 100M ROD AND FRAME 39KG
S00-3299	11MM X 100M REPLACEMENT ROD 16KG
S00-3300	11MM X 150M ROD AND FRAME 47KG
S00-3301	11MM X 150M REPLACEMENT ROD 24KG
S00-1355	11MM X 200M ROD & FRAME 54KG
S00-1372	11MM X 200M REPLACEMENT ROD 31KG
S00-1356	11MM X 250M ROD & FRAME 61KG
S00-1373	11MM X 250M REPLACEMENT ROD 38KG
S00-3302	11MM X 300M ROD AND FRAME 69KG
S00-3303	11MM X 300M REPLACEMENT ROD 46KG
S00-7604	11MM X 350M ROD AND FRAME
S00-7608	11MM X 350M REPLACEMENT ROD
S00-3304	14MM X 150M ROD AND FRAME 65KG
S00-3305	14MM X 150M REPLACEMENT ROD 33KG
S00-3306	14MM X 200M ROD AND FRAME 77KG
S00-3307	14MM X 200M REPLACEMENT ROD 45KG
S00-3308	14MM X 250M ROD AND FRAME 87KG
S00-3309	14MM X 250M REPLACEMENT ROD 55KG
S00-3310	14MM X 300M ROD AND FRAME 99KG
S00-3311	14MM X 300M REPLACEMENT ROD 67KG
S00-3312	14MM X 350M ROD AND FRAME 111KG
S00-3313	14MM X 350M REPLACEMENT ROD 79KG
S00-7605	14MM X 400M ROD AND FRAME
S00-7609	14MM X 400M REPLACEMENT ROD
S00-7606	14MM X 450M ROD AND FRAME
S00-7610	14MM X 450M REPLACEMENT ROD
S00-7607	14MM X 500M ROD AND FRAME
S00-7611	14MM X 500M REPLACEMENT ROD

MILLS COBRA ACCESSORY KITS 4.5MM AND 6MM

Comprehensive accessory kit for
4.5mm or 6mm cobra frames comprising:
• End Fitting
• Joint Coupler
• Bullet End
• Spring End Attachment
• Bullet End with Shackle
• Roller End Attachment
• R00-3505 Engineering Adhesive 3ml
Now supplied in B99-1832 Mills Storage Pouch.

PART NO.	DESCRIPTION
S00-7666	A) COBRA ACCESSORY KIT 4.5MM
S00-7667	B) COBRA ACCESSORY KIT 6MM

MILLS COBRA ACCESSORY KITS 9MM, 11MM AND 14MM

Comprehensive accessory kit for 9mm, 11mm and 14mm cobra frames comprising:
• End Fitting
• Joint Coupler
• Bullet End
• Flexi End 6mm
• Spring End Attachment
• Bullet End with Shackle
• Roller End Attachment
• Ball Attachment 40mm
• R00-3505 Engineering Adhesive 3ml
Now supplied in B99-1832 Mills Storage Pouch.

PART NO.	DESCRIPTION
S00-7668	A) COBRA ACCESSORY KIT 9MM
S00-7669	B) COBRA ACCESSORY KIT 11MM
S00-7670	C) COBRA ACCESSORY KIT 14MM

C.SCOPE FLEXIBLE TRACER 80M

The Flexible Tracer is highly effective at locating and tracing ducts, when energised with a C Scope signal generator (S83-2087 or S83-2092).

It comprises a 5mm diameter, 80m long continuous fibreglass rod housed in a strong reel that rotates on an axle. A 9mm diameter Sonde is built into the tip of the Flexible Tracer allowing the end point of the Tracer to also be located.

PART NO.	DESCRIPTION
S83-2094	C.SCOPE FLEXIBLE TRACER 80M

RADIODETECTION SPX FLEXITRACE 50M

The FlexiTrace reel holds 164'(50m) of small diameter rod. The rod itself can be energised by a Radiodetection transmitter* or Genny and inserted into pipes as small as 12mm.

It is used with a Radiodetection locator or C.A.T to find and trace small diameter plastic pipes etc.

Unlike using a sonde with a Flexrod, the entire length of the Flexitrace can be detected from above ground.

PART NO.	DESCRIPTION
S00-7590	RADIODETECTION SPX FLEXITRACE 50M

RADIODETECTION SONDES

A) S00-7589 The S9 Minisonde is flexible sonde for use with 6mm Cobras Locatable to 4 metres and measuring 0.35 x 5.4" (9 x 138mm).
B) S83-2669 The S18A-33 Sonde is flexible sonde for use with 6mm Cobras Locatable to 4 metres measuring 0.70" x 3.22" (18mm x 82mm).
C) S00-6050 Adaptor to enabling connection of a 9, 11 or 14mm continuous rod or cobra to an S83-2669 S18 Radiodetection Sonde.

PART NO.	DESCRIPTION
S00-7589	A) SPX S9 33KHZ MINI SONDE
S83-2669	B) SPX S18 SONDE 33KHZ
S00-6050	C) S18 ADAPTOR FOR 9, 11 & 14MM COBRAS

MILLS REPLACEMENT BRAKE HANDLES

A) Replacement Brake Handle for 9, 11 & 14mm Cobras

B) Mills Replacement Brake Handle for 4.5 and 6mm Cobras

PART NO.	DESCRIPTION
S00-0429	A) REPLACEMENT BRAKE HANDLE FOR 9, 11 & 14MM COBRAS
S00-0424	B) REPLACEMENT BRAKE HANDLE FOR 4.5 AND 6MM COBRAS

MILLS SWIVEL CONNECTORS FOR 4.5, 6, 9, 11 AND 14MM COBRA RODS

For long runs, this accessory enables two cobras to be screwed and coupled together.

Available for 4.5, 6, 9, 11 & 14MM Cobra Rods.

PART NO.	DESCRIPTION
S13-0668	SWIVEL CONNECTOR FOR 4.5MM & 6MM COBRA RODS
S13-0582	SWIVEL CONNECTOR FOR 9MM, 11MM & 14MM COBRA RODS

END FITTINGS

Male threaded brass rod end connector supplied as standard at both ends of all rods.

Adhesive required separately (R00-3505).
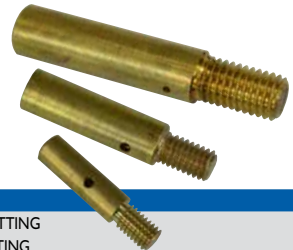
PART NO.	DESCRIPTION
S13-7715	4.5MM END FITTING
S13-1374	6MM END FITTING
S13-1375	9MM END FITTING
S13-1376	11MM END FITTING
S03-5895	14MM END FITTING

JOINT COUPLERS

Connector used to repair breakages to cobra continuous rods.

Adhesive required separately (R00-3505).
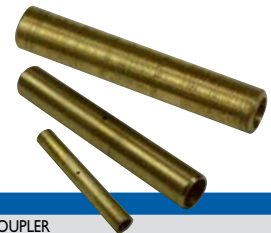
PART NO.	DESCRIPTION
S00-7716	4.5MM JOINT COUPLER
S13-1377	6MM JOINT COUPLER
S13-1378	9MM JOINT COUPLER
S13-1379	11MM JOINT COUPLER
S03-4759	14MM JOINT COUPLER

GUIDE EYES & ADHESIVE

A-B) Mills Replacement Eye for 9mm 11mm & 14mm Cobra Rod Frame. A protective rod guide, used to guide the rod while being pulled off the reel.

Available as regular or extra long (100mm) versions

C) Adhesive for use with Joint Couplers to repair rods.
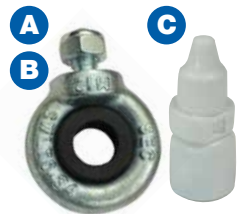
PART NO.	DESCRIPTION
S00-4263	A) REPLACEMENT EYES FOR 9, 11 & 14MM RODS
S00-9300	B) MILLS REPLACEMENT EYE FOR 9MM 11MM & 14MM COBRA ROD FRAME (EXTRA LONG)
R00-3505	C) ENGINEERING ADHESIVE 3MI

MILLS BULLET END FOR COBRA RODS

Threaded tip which guides the rod through the duct, the eye allows a pulling rope to be attached to the rod.

PART NO.	DESCRIPTION
S13-1380	A) 4.5/6MM BULLET END
S13-1381	B) 9/11/14MM BULLET END
S13-1957	C) MILLS SLIM BULLET END FOR 9MM 11MM & 14MM COBRA RODS

MILLS FLEXI END FOR 9MM, 11MM & 14MM COBRA RODS

A 60cm length of 6mm rod with pulling eye, used to assist conduit rods around bends, suitable for 9mm, 11 and 14mm cobras.

PART NO.	DESCRIPTION
S00-1382	FLEXI END

BALL END & U-SHACKLE

A) 40mm ball end attachment for 9, 11 & 14mm rodders.
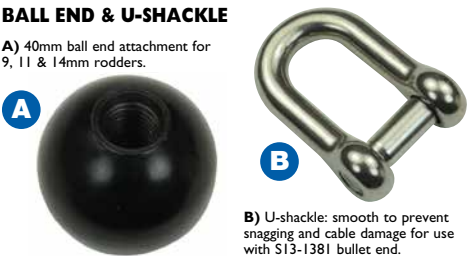
B) U-shackle: smooth to prevent snagging and cable damage for use with S13-1381 bullet end.

PART NO.	DESCRIPTION
S13-3067	A) 40MM BALL ATTACHMENT FOR 9, 11 & 14MM RODDERS
S00-8170	B) U-SHACKLE

CAT AND GENNYS
SEE PAGES 463-465

MILLS SHACKLE ATTACHMENT FOR 4.5MM - 14MM COBRA RODS
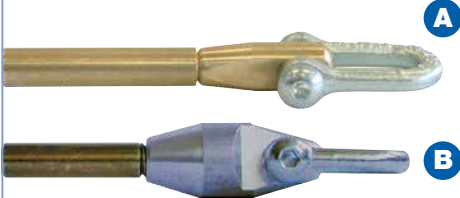
PART NO.	DESCRIPTION
S03-6605	A) BULLET END WITH SHACKLE FOR 4.5 & 6MM RODS
S03-6607	B) BULLET END WITH SHACKLE FOR 9, 11 & 14MM RODS

MILLS SPRING END ATTACHMENT FOR 4.5MM - 14MM COBRA RODS

A) Spring End Attachment for 4.5/6mm Cobra rods.

B) Spring End attachment to assist conduits around more acute bends - suitable for 9, 11 & 14mm rodders - length 175mm.

PART NO.	DESCRIPTION
S03-6604	A) SPRING END ATTACHMENT FOR 4.5 & 6MM RODS
S13-3068	B) SPRING END ATTACHMENT FOR 9/11/14MM RODS

MILLS WHEEL ATTACHMENT FOR 4.5MM - 14MM COBRA RODS

A) Wheel Attachment for 4.5/6mm Rods.
B) Wheel Attachment for 9, 11, and 14mm Rods.

PART NO.	DESCRIPTION
S03-6606	A) ROLLER END FOR 4.5 & 6MM RODS
S03-6608	B) ROLLER END FOR 9, 11 & 14MM RODS

MILLS PULL PUCK

An essential aid for providing extra grip, when pulling and pushing most cable up to a diameter of 16mm. Manufactured from a high visibility yellow rubberised material, and at just 76mm diameter the Mills cable pulling puck fits into the palm of your hand.

PART NO.	DESCRIPTION
S00-6417	MILLS PULL PUCK

MILLS 16MM AND 22MM CONNECTOR FUSED SWIVEL SET (1KN, 1.5KN, 2KN, 3KN)

Fused swivels available in 16mm and 22mm diameters and specially designed for the safe installation of fibre optic cables and featuring a patented shear bolt design which gives breaking accuracy of +/- 5% ensuring the cable is not subjected to excessive pulling forces. The precision machined body is manufactured from hardened steel and featured two precision thrust races to reduce cable twist.

These connector fused swivels are also available individually in a choice of 4 popular breaking strains, covering 1kN. 1.5kN, 2kN and 3kN. The different breaking strains of the swivel are easily identified by colour coded washers as follows.

- **Yellow 1kN.**
- **Green 1.5kN**
- **Blue 2kN**
- **Red 3kN**

These connector fused swivels are also available individually (see below) in a choice of 4 popular breaking strains, covering 1kN. 1.5kN, 2kN and 3kN. The different breaking strains of the swivel are easily identified by colour coded washers as follows.

PART NO.	DESCRIPTION
S83-1864	A) MILLS 16MM CONNECTOR FUSED SWIVEL SET (1KN, 1.5KN, 2KN, 3KN)
S83-1865	B) MILLS 22MM CONNECTOR FUSED SWIVEL SET (1KN, 1.5KN, 2KN, 3KN)

MILLS 16MM FUSED SWIVEL

16mm Diameter Fused swivels, and specially designed for the safe installation of popular fibre optic cables and featuring a patented shear bolt design which gives breaking accuracy of +/- 5% ensuring the cable is not subjected to excessive pulling forces. These swivels are in a choice of 4 popular breaking strains, covering 1kN. 1.5kN, 2kN and 3kN. The different breaking strains of the swivel are easily identified by colour coded washers as follows. Yellow 1kN. Green 1.5kN Blue 2kN Red 3kN

Replacement Yellow 1kN. Green 1.5kN Blue 2kN Red 3kN fuses are available in Pkts 5.

PART NO.	DESCRIPTION
S83-1840	MILLS 16MM FUSED SWIVEL YELLOW FUSED 1.0KN
S83-1849	MILLS 16MM FUSED SWIVEL GREEN FUSED 1.5KN
S83-1850	MILLS 16MM FUSED SWIVEL BLUE FUSED 2.0KN
S83-1851	MILLS 16MM FUSED SWIVEL RED FUSED 3.0KN

PART NO.	DESCRIPTION
S83-1841	1.0KN REPLACEMENT FUSE FOR 16&22MM SWIVEL S83-1840/1846 PK5
S83-1861	1.5KN REPLACEMENT FUSE FOR 16&22MM SWIVEL S83-1849/1855 PK5
S83-1862	2.0KN REPLACEMENT FUSE FOR 16&22MM SWIVEL S83-1850/1858 PK5
S83-1863	3.0KN REPLACEMENT FUSE FOR 16&22MM SWIVEL S83-1851/1859 PK5

MILLS 22MM FUSED SWIVELS

22mm Diameter Fused swivels, and specially designed for the safe installation of popular fibre optic cables and featuring a patented shear bolt design which gives breaking accuracy of +/- 5% ensuring the cable is not subjected to excessive pulling forces. These swivels are in a choice of 4 popular breaking strains, covering 1kN. 1.5kN, 2kN and 3kN. The different breaking strains of the swivel are easily identified by colour coded washers as follows. Yellow 1kN. Green 1.5kN Blue 2kN Red 3kN

Replacement Yellow 1kN. Green 1.5kN Blue 2kN Red 3kN fuses are available

PART NO.	DESCRIPTION
S83-1846	MILLS 22MM FUSED SWIVEL YELLOW FUSED 1.0KN
S83-1855	MILLS 22MM FUSED SWIVEL GREEN FUSED 1.5KN
S83-1858	MILLS 22MM FUSED SWIVEL BLUE FUSED 2.0KN
S83-1859	MILLS 22MM FUSED SWIVEL RED FUSED 3.0KN

PART NO.	DESCRIPTION
S83-1841	1.0KN REPLACEMENT FUSE FOR 16&22MM SWIVEL S83-1840/1846 PK5
S83-1861	1.5KN REPLACEMENT FUSE FOR 16&22MM SWIVEL S83-1849/1855 PK5
S83-1862	2.0KN REPLACEMENT FUSE FOR 16&22MM SWIVEL S83-1850/1858 PK5
S83-1863	3.0KN REPLACEMENT FUSE FOR 16&22MM SWIVEL S83-1851/1859 PK5

A) LINK CABLING NO.1

An 8mm diameter steel link used to attach Rope Cabling 1 to cabling grips. Also used to join two lengths of Rope Cabling 1 together. Ref: 126421.

B) LINK CABLING NO.2

A 10mm diameter steel link used to attach Rope Cabling 4 to cabling grips. Also used to join two lengths of Rope Cabling 4 together.

PART NO.	DESCRIPTION
S83-2662	A) LINK CABLING NO.1
S83-2663	B) LINK CABLING NO.2

CONNECTOR SWIVEL NO. 1 (32MM)

For use with Grips Cable Single Eye and Rope Cabling No 4. Length 178mm. Diameter 32mm. Ref: 112795.

PART NO.	DESCRIPTION
S83-0937	CONNECTOR SWIVEL NO. 1 (32MM)

ANTI-TORSION SWIVEL JOINTS

Anti-torsion swivel joints Anti-torsion swivel joint suitable for joining both steel and synthetic pilot and pulling ropes, with pulling socks (Grips Cable). Available in 5 popular sizes.

PART NO.	DIA	DIMENSIONS	BREAKING STRAIN	MAX ROPE DIAMETER
S03-6166	12MM	12MM X 70MM	850KG	5MM
S03-6617	18MM	60MM X 18MM	1200KG	9MM
S03-4750	32MM	32MM X 120MM	8,000KG	15MM
S03-4751	45MM	45MM X 170MM	18,000KG	19MM
S03-4752	60MM	60MM X 220MM	36,000KG	24MM

MILLS FUSED SUBDUCT / MONO BORE 6 (8-10MM ID) PULLING EYE CARROT

A fused pulling eye designed primarily for pulling of subduct mono bore 6 and other polyethylene ducting with an internal bore of between 8-10mm.

These 'grips threaded' have cutting edges which actually make a thread in the bore of the ducting, similar to using a tap to cut a thread in steel.

To ensure a reliable grip we recommend 7 or 8 full threads of contact using a 14mm spanner.

The carrot contains a 1.5KN replaceable fuse to protect the duct during the pulling installation.

PART NO.	DESCRIPTION
S83-9324	MILLS FUSED SUBDUCT / MONO BORE 6 (8-10MM ID) PULLING EYE CARROT

A-E) MILLS MICRO DUCT CARROT

Designed for pulling multiple micro subduct into larger ducting using a wire rope towing adaptor, capable of accepting up to three brass carrots.

The brass carrots have a twin quick thread making them easy and quick to screw into ducting.

F-G) MILLS MULTIPLE MICRO-DUCT TOWING ADAPTOR M6 THREAD

The towing adaptor has three legs, at 200mm increments each terminated with a swivel joint to accept 3.5mm or 4mm ID carrots.

For use with 9,11 and 14mm cobras.

PART NO.	DESCRIPTION
S13-1820	A) MILLS MICRO DUCT CARROT 3.5MM ID - M6 THREAD
S13-1821	B) MILLS MICRO DUCT CARROT 4MM ID - M6 THREAD
S13-1822	C) MILLS 8MM INTERNAL MINI DUCT CARROT - DUCT M12 THREAD
S13-1823	D) MILLS 10MM INTERNAL MINI DUCT CARROT - DUCT M12 THREAD
S13-1824	E) MILLS 12MM INTERNAL MINI DUCT CARROT - DUCT M12 THREAD
S13-1826	F) MILLS MULTIPLE MICRO-DUCT TOWING ADAPTOR WITH 3 X 3.5MM CARROTS
S13-1827	G) MILLS MULTIPLE MICRO-DUCT TOWING ADAPTOR WITH 3 X 4.0MM CARROTS

SUBDUCT PULLING EYE (WUD CARROT / GRIP THREADED)

Designed to install polyethylene ducting (sub duct) using a 100mm long screw-in tapered thread which will grip ducts with an inner diameter of 10 to 22mm. These 'grips threaded' have cutting edges which actually make a thread in the bore of the ducting, similar to using a tap to cut a thread in steel. To ensure a reliable grip we recommend 7 or 8 full threads of contact.

The Mills WUD Carrot has a 'Type A' male thread for direct fitting to the female end of the No1 and No2 Ferret Duct Rods (S83-1446 and S83-0711). These subduct 'pulling eyes' are manufactured from hardened steel and have been zinc plated to provide corrosion resistance.

PART NO.	DESCRIPTION
S13-1825	SUBDUCT PULLING EYE (WUD CARROT)

MANDREL NYLON

Cylindrical polypropylene mandrels, used to clear any blockage in ducts.

PART NO.	DESCRIPTION
S83-0730	MANDREL 43MM - 51MM DUCT
S83-0731	MANDREL 70MM - 76MM DUCT
S83-0733	MANDREL 79MM - 92MM DUCT
S83-0734	MANDREL 83MM - 95MM DUCT
S83-0735	MANDREL 95MM - 102MM DUCT

SUBDUCT PULLING SLING

Three or four leg harness for pulling multiple cables or sub-ducts at the same time.

PART NO.	DESCRIPTION
S83-4060	SUBDUCT PULLING SLING 3 LEG
S83-3180	SUBDUCT PULLING SLING 4 LEG

SUBDUCT PULLING EYE WITH CLEVIS (CARROT)

Designed to install polyethylene ducting using a screw-in tapered thread to grip the inner diameter of the duct. The pulling eyes are typically used to install inner duct inside a larger duct and are designed with cutting edges to actually cut a thread in the bore of the ducting, similar to using a tap to cut a thread in steel. This helps to ensure a reliable grip requiring just 7 or 8 full threads of contact. With clevis pin and eye to attach draw rope etc. Units are tapered, threaded and zinc plated.

PART NO.	DESCRIPTION
S83-9322	SUBDUCT PULLING EYE WITH CLEVIS 24-29MM
S83-4867	SUBDUCT PULLING EYE WITH CLEVIS 29-37MM

BRUSH CYLINDRICAL

A brush for clearing the bores of empty ducts of various sizes. This 57mm brush is suitable for ducts of 51mm.

PART NO.	DESCRIPTION
S83-0724	BRUSH 57MM (51MM DUCT)
S83-0726	BRUSH 80MM (76MM DUCT)
S83-0725	BRUSH 86MM (83MM DUCT)
S83-0727	BRUSH 95MM (90-92MM DUCT)
S83-0728	BRUSH 108MM (102MM DUCT)

GRIP CABLE SINGLE EYE CLOSED

Consists of wire mesh tube with one pulling eye at one end. These grips are placed over the end of the cable, allowing the drawing in or recovery of cables.

A) Grip Cable Single Eye Closed 13 - 19mm. Lattice Length: 533mm. Overall Length: 659mm. Ref: 126376

B) Grip Cable Single Eye Closed 19 - 25mm. Lattice Length: 610mm. Overall Length: 740mm. Ref: 126377

C) Grip Cable Single Eye Closed 25 - 38mm. Lattice Length: 686mm. Overall Length: 796mm. Ref: 126378

PART NO.	DESCRIPTION
S83-4174	GRIP CABLE SINGLE EYE CLOSED 13 - 19MM
S83-4175	GRIP CABLE SINGLE EYE CLOSED 19 - 25MM
S83-4176	GRIP CABLE SINGLE EYE CLOSED 25 - 38MM

EXTERNAL UNDERGROUND & TOOLING

Mills EST. 1919

EXTERNAL
UNDERGROUND
& TOOLING

SINGLE EYE CLOSED CABLE GRIPS

Consists of wire mesh tube with one pulling eye at one end. These grips are placed over the end of the cable, allowing the drawing in or recovery of cables.

S00-7555 Ref: 126376.
S00-7556 Ref: 126377.
S00-7557 Ref: 126378.
S00-7558 Ref: 126379.
S00-3189 Ref: 126380.
S00-3190 Ref: 126381.

PART NO.	DESCRIPTION
S00-7555	GRIP CABLE SINGLE EYE CLOSED 1/4" FOR 6-13MM CABLE
S00-7556	GRIP CABLE SINGLE EYE CLOSED 1/2" FOR 13-19MM CABLE
S00-7557	GRIP CABLE SINGLE EYE CLOSED 3/4" FOR 19-25MM CABLE
S00-7558	GRIP CABLE SINGLE EYE CLOSED 1" FOR 25-38MM CABLE
S83-3543	GRIP CABLE SINGLE EYE CLOSED 1 1/2" FOR 38-51MM CABLE
S83-3189	GRIP CABLE SINGLE EYE CLOSED 2" FOR 51-63MM CABLE
S83-3190	GRIP CABLE SINGLE EYE CLOSED 2 1/2" FOR 63-76MM CABLE

FLEETING CABLE GRIPS

These fleeting eye cable grips allow the cable to pass fully through them (providing there is no end termination of oversized fittings on it). They can then be positioned anywhere on the cable itself. Common usages include as cable supports, taking up slack in a cable that has already been pulled or for removing underground cables. Available in 4 sizes from 25mm to 76mm.

S83-3192 Ref: 126368.
S83-3193 Ref: 126369.
S83-3194 Ref: 126370.
S83-3195 Ref: 126371.
S83-0883 Ref: 126372.
S83-0882 Ref: 126373.
S83-3196 Ref: 126374.
S83-0880 Ref: 126375.

PART NO.	DESCRIPTION
S83-3192	A) GRIP FLEETING SINGLE EYE SPLIT 1" FOR 25-38MM CABLE
S83-3193	A) GRIP FLEETING SINGLE EYE SPLIT 1 1/2" FOR 38-51MM CABLE
S83-3194	A) GRIP FLEETING SINGLE EYE SPLIT 2" FOR 51-63MM CABLE
S83-3195	A) GRIP FLEETING SINGLE EYE SPLIT 2 1/2" FOR 63-76MM CABLE
S83-0883	B) GRIP FLEETING DOUBLE EYE OPEN 1" FOR 25-38MM CABLE
S83-0882	B) GRIP FLEETING DOUBLE EYE OPEN 1 1/2" FOR 38-51MM CABLE
S83-3196	B) GRIP FLEETING DOUBLE EYE OPEN 2" FOR 51-63MM CABLE
S83-0880	B) GRIP FLEETING DOUBLE EYE OPEN 2 1/2" FOR 63-76MM CABLE

RECOVERY CABLE GRIPS

Recovery Cable Grips used to aid the recovery of underground cables, supplied in sizes according to the diameter of the cable.

S83-2631 Ref: 126663.
S83-2633 Ref: 126664.
S83-2635 Ref: 126665.
S83-2637 Ref: 126666.

PART NO.	DESCRIPTION
S83-2631	GRIP CABLE RECOVERY 1 (BT SPEC) FOR 31-44MM CABLE
S83-2633	GRIP CABLE RECOVERY 2 (BT SPEC) FOR 44-57MM CABLE
S83-2635	GRIP CABLE RECOVERY 3 (BT SPEC) FOR 57-70MM CABLE
S83-2637	GRIP CABLE RECOVERY 4 (BT SPEC) FOR 70-82MM CABLE
S83-2630	GRIP CABLE RECOVERY 1 (STD SPEC) FOR 31-44MM CABLE
S83-2632	GRIP CABLE RECOVERY 2 (STD SPEC) FOR 44-57MM CABLE
S83-2634	GRIP CABLE RECOVERY 3 (STD SPEC) FOR 57-70MM CABLE
S83-2636	GRIP CABLE RECOVERY 4 (STD SPEC) FOR 70-82MM CABLE

A) MILLS MULTISOCK CABLE GRIP 3-5MM WITH 8MM M6 CONNECTORS

The S00-7560 Mills Multisock is 3 way cable grip adaptor for simultaneously pulling multiples of 3 cables with diameter of 3-5mm.

The multi sock cable grip is 600mm long with 3 cable grips, 150mm in length, securely crimped and staggered along the length. It has an M6 female thread for connection to 6mm cobras, and a M6 male thread at the other end of the adaptor which allows further Mills Multisock cable grips to be added, allowing multiples of 3 cables or microducts to be pulled at the same time, e.g. 3,6,9 12 cable or microducts simultaneously.

The Mills Multisock is ideal for pulling as the majority of cables with diameters of between 3-5 mm.

B) MILLS MULTISOCK CABLE GRIP 6-10MM

The Mills Multisock is 3 way cable grip adaptor for simultaneously pulling multiples of 3 microducts or cables with diameter of 6-10mm.

The multi sock cable grip is 800mm long with 3 cable grips, 200m in length, securely crimped and staggered along the length. It has an M12 female thread for connection to 9mm or 11mm cobras, and a M12 male thread at the other end of the adaptor which allows further Mills Multisock cable grips to be added, allowing multiples of 3 cables or microducts to be pulled at the same time, e.g. 3,6,9 12 cable or microducts simultaneously.

The Mills Multisock is ideal for pulling microducts from 6-10mm as well as the majority of 6-10mm fibre cable including ULW and SST Slippery Fish.

PART NO.	DESCRIPTION
S00-7560	A) MILLS MULTISOCK CABLE GRIP 3-5MM WITH 8MM M6 CONNECTORS
S00-7559	B) MILLS MULTISOCK CABLE GRIP 6-10MM

MILLS END ON END DROP REPULLING KIT (COAX OR MICRODUCT TO COAX OR MICRODUCT)

A 22 piece open duct drop cable repulling kit designed for minimal cross section, ideal for use in congested or small diameter ducts to securely connect coaxial cable to microduct, coaxial cable to coaxial cable, or microduct to microduct allowing one to be pulled in by other acting as a drawrope. The kit is supplied in a 9 compartment parts box.

Contents:

1 x 9 compartment parts box
1 x 6mm Swivels
2 x UJ Cable Adaptors
2 x 4mm ID Microduct Adaptors
2 x RG6 Coax Adaptors
2 x RG7 Coax Adaptors
2 x RG11 Coax Adaptors
10 x Countersunk Screws M3.5mm x 30mm

PART NO.	DESCRIPTION
S13-1010	MILLS END ON END DROP REPULLING KIT (COAX OR MICRODUCT TO COAX OR MICRODUCT)

FIBRE OPTIC CABLE GRIPS

A specialist cable grip for fibre cables and a dual weave design made from galvanised wire rope. Used for the installation of fibre optic cables for either overhead or underground applications.

Part Number	Cable Size (mm)	Break Load (Kg)	Lattice Length (mm)	Overall Length (mm)
S83-1790	2.5 - 5.6	431	265	455
S83-1791	5.3 - 9.2	748	370	560
S83-1796	8.1 - 12.5	998	470	690
S83-1797	10.7 - 15.8	1247	515	735
S83-1798	13.5 - 19.1	1678	595	815
S83-1799	16.3 - 22.4	1928	645	865
S83-1800	19.1 - 25.5	1928	720	940

PART NO.	DESCRIPTION
S83-1790	GRIP CABLE FIBRE OPTIC 2.5 - 5.6MM
S83-1791	GRIP CABLE FIBRE OPTIC 5.3 - 9.2MM
S83-1796	GRIP CABLE FIBRE OPTIC 8.1 - 12.5MM
S83-1797	GRIP CABLE FIBRE OPTIC 10.7 - 15.8MM
S83-1798	GRIP CABLE FIBRE OPTIC 13.5 - 19.1MM
S83-1799	GRIP CABLE FIBRE OPTIC 16.3 - 22.4MM
S83-1800	GRIP CABLE FIBRE OPTIC 19.1 - 25.5MM

Mills

EXTERNAL UNDERGROUND & TOOLING

STRAIGHT CABLE ROLLER GUIDE

A compact cable roller for use in narrow trenches and confined areas. The unit consists of a heavy duty frame and galvanised steel roller which tapers from 110mm to 75mm and has a width of 170mm.

The footprint of the stand is 300mm x 240mm x 250mm.

Weight: 4.1kg.

Dimensions:
300 x 240 x 250mm.

PART NO.	DESCRIPTION
S03-6611	STRAIGHT CABLE ROLLER GUIDE

CURVED MANHOLE LEAD CABLE GUIDE

A heavy duty cable roller for placing at the leading edge of the manhole or pit entrance.

The unit consist of three galvanised steel rollers which taper from 107mm to 79mm and have a width of 185mm.
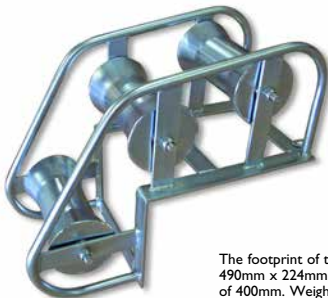
The footprint of the stand is 490mm x 224mm with a height of 400mm. Weight: 9kg.

PART NO.	DESCRIPTION
S03-4755	CURVED MANHOLE LEAD CABLE GUIDE

CORNER CABLE ROLLER GUIDE

A heavy duty cable roller for pulling the heaviest cables around difficult corners. The unit consists of a heavy duty frame with two vertical and one horizontal galvanised steel rollers which taper from 110mm to 75mm and have a width of 185mm.

The footprint of the stand is: 550mm x 340mm x 370mm.

Weight: 14kg.

Corner cable rolling guides can be linked together with stake pins provided to form a continuous corner roller system.

PART NO.	DESCRIPTION
S03-6612	CORNER CABLE ROLLER GUIDE

SWIVELLING EDGE ROLLER NO.1

A heavy duty cable roller designed to provide an even pull at the corner of the manhole allowing the roller to swivel in the direction of the pull. The unit swivels to the direction of the pull. It has a galvanised steel roller which tapers from 107 to 79mm and has a width of 127mm.

The footprint of the stand is 300mm x 245mm with a height of 150mm.

Weight: 6kg.

PART NO.	DESCRIPTION
S03-4754	SWIVELLING EDGE ROLLER NO.1

SWIVELLING EDGE ROLLER NO.2

A heavy duty cable roller designed to provide an even pull at the corner of the manhole allowing the roller to swivel in the direction of the pull. The unit has a galvanised steel roller which tapers from 130 to 90mm and has a width of 75mm.
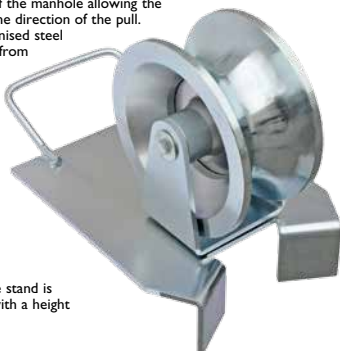
The footprint of the stand is 300mm x 220mm with a height of 245mm.

Weight: 6kg.

PART NO.	DESCRIPTION
S03-4753	SWIVELLING EDGE ROLLER NO.2

EASY LUBE STEEL BELL MOUTH

A steel bell mouth with integral lubricating ring to suit ducts of 76-89mm.

The 'Easy Lube' bell mouth connects to the Pump Lubricant 2a (S83-0709) which allows lubricant to be dispensed in a controlled manor onto the cable via the lubricant ring. Available in two sixes to suit ducts of 76-89mm and 90-97mm.

PART NO.	DESCRIPTION
S83-1847	EASY LUBE STEEL BELL MOUTH TO SUIT 76-89MM
S83-1848	EASY LUBE STEEL BELL MOUTH TO SUIT 90-97MM

CABLE JOE
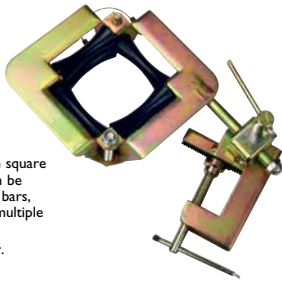
Six roller design gives 75mm square opening. The cable guide can be clamped onto most support bars, joists and corners to allow multiple cable pulls without snagging.

Also known as a cable roller.

PART NO.	DESCRIPTION
S00-5229	CABLE JOE

BELLMOUTHS

Used to prevent damage when drawing cable into ducts. Consists of a two part tubular sleeve which is assembled around the cable whilst in situ.

No.1 Split Bellmouth
For use on 83mm ducting.

No. 2 Split Bellmouth
For use on 90/92mm ducting.

PART NO.	DESCRIPTION
S00-1240	NO.1 SPLIT BELLMOUTH
S00-1241	NO. 2 SPLIT BELLMOUTH

GUIDE CABLING 17A

Used to guide standard cabling ropes and steel wire in or out of duct mouths.

Ref: 127259.

PART NO.	DESCRIPTION
S13-1238	GUIDE CABLING 17A

ROLLER ROPE GUIDING SURFACE

Used to guide draw ropes and cabling ropes out of joint boxes avoiding fraying to the rope. The unit comprises an aluminium roller mounted on a steel frame.

Height: 150mm.
Width: 152mm.
Length: 254mm.
Weight: 4kgs.

Ref: 122690.

PART NO.	DESCRIPTION
S13-1237	ROLLER ROPE GUIDING SURFACE

GUIDE CABLING NO.1

Used to draw cable straight into the duct, duct sizes 89 and 92mm.

Ref: 126400.

PART NO.	DESCRIPTION
S83-0770	GUIDE CABLING NO.1

GUIDE CABLING NO.2

Used to draw cable into the duct at an angle, the angular deviation to be no more than 30 degrees.

Ref: 126401.
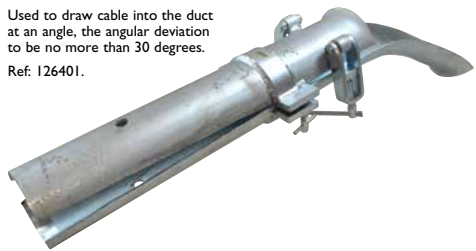
PART NO.	DESCRIPTION
S83-0771	GUIDE CABLING NO.2

GUIDE CABLING 4A AND 4B

A flexible steel tube with a 63mm bore. Used to guide light cables between the cabe drum trailer and the duct mouth.

Incorporates an integral Bellmouth and a pair of securing chains.

A) Length: 3M
B) Length: 1.5M

PART NO.	DESCRIPTION
S83-2644	A) GUIDE CABLING 4A - 3M WITH 63MM BORE
S83-0985	B) GUIDE CABLING 4B - 1.5M WITH 63MM BORE

GUIDE CABLING 6A

Cable guide for heavy cabling work can be connected together to extend the duct entry to the cable drum trailer. Length of this guide 1.5m.

PART NO.	DESCRIPTION
S83-0986	GUIDE CABLING 6A

EXTERNAL UNDERGROUND & TOOLING

GUIDE ROD FLEXIBLE 3

A dual purpose flexible steel tube 2.9m length with a 38mm diameter bore, used to guide Rods Duct 3 to and from a rodding machine to the duct mouth. Used with Clamp Guide 2A to secure in a joint box and Guide Rod Flexible 4 and Clamp 13A to extend length.

Ref: 126772.

PART NO.	DESCRIPTION
S83-0987	GUIDE ROD FLEXIBLE 3

GUIDE ROD FLEXIBLE 4

A flexible steel tube 2.9m long with a 38mm diameter bore, used with Clamp 13A to extend the length of Guide Rod Flexible 3.

Ref: 126704.

PART NO.	DESCRIPTION
S83-2646	GUIDE ROD FLEXIBLE 4

CLAMP GUIDE 2A

Extendible compression strut for clamping Guides Rod flexible 3 and 4 and Guide Cabling 5 into joint boxes.

Ref: 126481.
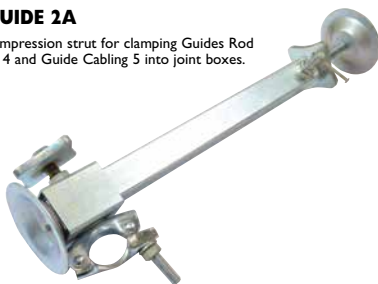
PART NO.	DESCRIPTION
S83-0767	CLAMP GUIDE 2A

FOR CABLE PULLING WINCHES

SEE PAGE 307

DRAWROPE BOBBINS

Mills Drawrope supplied on a bobbin with reusable dispenser 5.5mm x 500m. The sustainable solution to cable pulling.

Mills drawrope supplied on a bobbin which can be easily dispensed when used with Mills reusable reeler, saving the disposal or return costs of wooden reel drums. (Just the biodegradable cardboard tube to recycle / dispose of.)

The rope has an average tensile breaking strength of 550 kg (minimum 509kg / 5kn) and is supplied in 2 sizes of bobbins for use on the A Frame (S13-1200) or traditional Drawrope Dispenser (S13-1239)

*Please note: The tensile break strength test is carried out to ensure the product and manufacturing process is met. The test is not a certification for the product to be used in a lifting process.

A) S83-0795 Drawrope, 5kn (509kg), Bobbin 150mm x 310mm diameter - for use with reusable reeler S83-0796 using traditional Drawrope Dispenser (S13-1239).

B) S83-0797 Drawrope, 5kn (509kg), Bobbin 300mm x 230mm diameter -for use with reusable reeler S83-0798 using standard A Frame (S13-1200).

PART NO.	DESCRIPTION
S83-0795	A) DRAWROPE, 5KN (509KG), BOBBIN 150MM X 310MM DIA
S83-0797	B) DRAWROPE, 5KN (509KG), BOBBIN 300MM X 230MM DIA

MILLS DRAWROPE REUSABLE REELS

A) Mills Drawrope Reusable Reel (Drawrope Dispenser)

B) Mills Drawrope Reusable Reel (A Frame Dispenser)

Drawrope not included.

PART NO.	DESCRIPTION
S83-0796	A) MILLS DRAWROPE REUSABLE REEL (DRAWROPE DISPENSER)
S83-0798	B) MILLS DRAWROPE REUSABLE REEL (A FRAME DISPENSER)

ROPE CABLING NO. 1

Pre-stretched cabling rope, used on self tailing winch systems. Not to be used on hand tailed winches.

10mm diameter x 250m in length.

BT spec: MA300C
Construction: 3 strand, pre stretched.
Nominal Diameter: 10mm
MBL: 20.6kN (2100kg)
Material: Polyester

Ref: 126405.

PART NO.	DESCRIPTION
S83-0786	ROPE CABLING NO. 1

ROPE CABLING NO.4

Low stretch rope with an eye splice at each end, used for underground cabling work.

BT spec: MA301A

Construction: 3 strand para-aramid core, 16 plait polyester cover, coated to protect and improve friction for use on capstan winches.

Nominal Diameter: 12mm
MBL (spliced): 58.8kN (6000kg)

S83-0785 Ref: 126975.
S83-3187 Ref: 126974.

PART NO.	DESCRIPTION
S83-3187	ROPE CABLING NO. 4 - 100M
S83-0785	ROPE CABLING NO. 4 - 200M
S83-3188	ROPE CABLING NO. 4 - 500M

DRAWROPE DISPENSER

A specialist stand with locking handle for dispensing standard 6mm Draw Rope No.1 from 500m reels.

Ref: 126336.
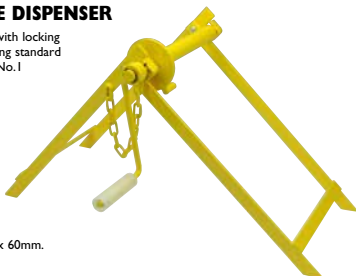
Dimensions:
530mm x 280mm x 60mm.
Weight: 4.7kg.

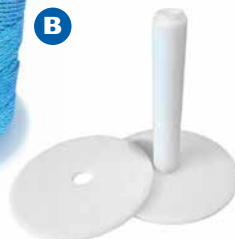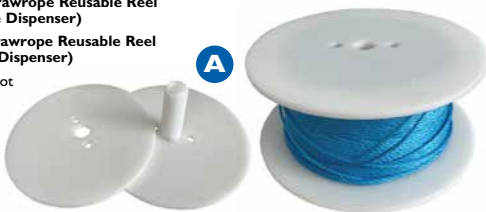| PART NO.	DESCRIPTION
S13-1239	DRAWROPE DISPENSER

A) MILLS 24" CABLE A FRAME DRUM STAND DISPENSER

24 Inch Universal Cable Reel Stand - Suits drums up to 600mm diameter, 500mm width and weight of 100kg.

Dimensions:
780 x 750 x 180mm.

Weight: 10kg.

DRAWROPE NO.1

Mills Drawrope 6mm x 500m rope supplied on a wooden drum

Made from: Prime homo polypropylene.

Colour: Blue

*Tensile Break Strength: 550 kg approx.

Drum construction: Marine plywood top and bottom

Drum diameter: 395mm

Formerly S00-1445.

PART NO.	DESCRIPTION
S00-1739	DRAWROPE NO.1

SLICK LINE - 8KN 4250M

Used for pulling cable through standard bore subduct and ducting using commonly used cable pulling techniques and equipment.

Specification:
- Material: Polyethylene with Polyester core.
- Rope Diameter: 6mm
- Construction: 16 Braids
- Minimum Breaking Load: 8kN / 816 kg
- Length: 4250 metres
- Colour: Orange
- Manufactured in the EU.
- Formerly S83-2700

PART NO.	DESCRIPTION
S83-2701	SLICK LINE - 8KN 4250M

SPLICING FID

Used to splice ropes and cabling up to a max diameter of 14mm - overall length 175mm.

PART NO.	DESCRIPTION
S83-0942	SPLICING FID

B) MILLS CABLE DRUM CONES FOR CABLE A FRAME

A pair of tapered cones designed to be used in conjunction with the S13-1200 Mills Cable A Frame, allowing smooth dispensing of cable from single or multiple cable drums.

The cones are tapered to accept reels with spindle bores from 25mm to 120mm.

In addition, multiple pairs of cones can be 'back to backed' to allow more than one reel to be dispensed.

The cones have quick turn toggle clamps which can be easily adjusted to accept reel widths of up to 500mm.

PART NO.	DESCRIPTION
S13-1200	A) MILLS 24" CABLE A FRAME DRUM STAND DISPENSER
S13-0464	B) MILLS CABLE DRUM CONES FOR CABLE A FRAME

EXTERNAL UNDERGROUND & TOOLING

Mills

MILLS FIBRE BLOWING MICRODUCT LUBRICANTS

A highly concentrated cable blowing lubricant, specifically designed for use inside microducts, ideally up to an internal diameter of 12mm.

This water-based low-viscosity lubricant flows quickly and easily inside microducts, reducing friction and increasing total blowing length.

Ideal for refilling the smaller 0.25 Litre resealable container version (S27-1962).

Please shake contents well before use!

A) Contents: 250ml
B) Contents: 1 Litre

PART NO.	DESCRIPTION
S27-1962	A) FIBRE BLOWING MICRODUCT LUBRICANT 250ML
S27-1963	B) FIBRE BLOWING MICRODUCT LUBRICANT 1 LITRE

MILLS FIBRE BLOWING SUBDUCT LUBRICANTS

A specialist cable blowing lubricant for general fibre blowing applications, as well as subduct relining.

This lubricant reduces frictional drag during the blowing of fibre optical cable into ducts, increasing the total length of cable that can be blown.

A) Contents: 950ml
B) Contents: 3.8 Litre

PART NO.	DESCRIPTION
S27-1960	A) FIBRE BLOWING SUBDUCT LUBRICANT 950ML
S27-1961	B) FIBRE BLOWING SUBDUCT LUBRICANT 3.8L

A) MILLS FIBRE OPTIC CABLE PULLING LUBRICANT 20L

Water-based, thin semi-gel, cable installation lubricant for fibre cable pulling operations.

Ideal for pulling both fibre optic cables and sub-ducts, eliminating up to 80% friction from the process.

Application by either sponge or a cable lubricating pump (S83-2667). **Contents: 20 Litre.**

B) PUMP LUBRICANT 2A

Pump used for applying cable lubricants.

Fits standard 20 litre drum. Supplied with 5m clear, plastic hose.

Ref: 127388.

PART NO.	DESCRIPTION
S27-1959	A) MILLS FIBRE CABLE PULLING LUBRICANT 20 LITRE
S83-0709	B) PUMP LUBRICANT 2A

MILLS FIBRE CABLE DEGREASER 950ML

A high performance, alcohol-free cable gel solvent cleaner. Specifically developed for the safe and easy removal of cable gels and blocking compounds from fibre optic communication cables.

Removes dirt, grime, grease, tar, oil, wax, resin and gum from cables, tools, painted surfaces and equipment.

An ideal environment-friendly replacement for white spirit.

Best applied using wipes or towels.

Contents: 950ml

PART NO.	DESCRIPTION
S27-1964	MILLS FIBRE CABLE DEGREASER 950ML

MILLS OPTICAL FIBRE CLEANER 950ML

Optical Fibre Cleaner formulated for the cleaning of optical fibre and end faces.

An ideal and safer alternative to conventional IPA, that dissipates static to remove surface charges preventing surface re-contamination.

Fast-drying, water-based, non-toxic and non-flammable.

Ideal for refilling the smaller 60ml resealable container (S27-1965).

Contents: 950ml

PART NO.	DESCRIPTION
S27-1966	MILLS OPTICAL FIBRE CLEANER 950ML

MILLS OPTICAL FIBRE CLEANER 60ML

Optical Fibre Cleaner formulated for the cleaning of optical fibre and end faces.

An ideal and safer alternative to conventional IPA, that dissipates static to remove surface charges preventing surface re-contamination.

Fast-drying, water-based, non-toxic and non-flammable.

Contents: 60ml

PART NO.	DESCRIPTION
S27-1965	MILLS OPTICAL FIBRE CLEANER 60ML

MILLS IPA WATER MIX 1 LITRE

A mix of 90% Isopropyl Alcohol to 10% water for the use in cleaning fibre optic cable and connector end faces.

This solution should be decanted into a solvent dispenser (e.g. Mills C00-8296).

It should then be used in conjunction with cleaning wipes and buds for removing dirt and contamination from fibre connectors. The solution evaporates after application, leaving no residue.

WARNING!
Highly flammable, keep away from direct sun light, hot surfaces, sparks, open flames and other ignition sources. Do not expose to temperatures exceeding 50°C

Contents 1 Litre

PART NO.	DESCRIPTION
C00-3036	MILLS IPA WATER MIX 1 LITRE

MILLS IPA SOLVENT SPRAY 400ML

Universal purpose solvent cleaner. 100% Isopropyl Alcohol.

For use with cleaning wipes and buds for removing dirt and contamination from fibre connectors. The IPA evaporates after application and leaves no residue.

WARNING!
Highly flammable, keep away from direct sun light, hot surfaces, sparks, open flames and other ignition sources. Do not expose to temperatures exceeding 50°C.

PART NO.	DESCRIPTION
C00-4827	MILLS IPA SOLVENT SPRAY 400ML

POLYWATER PRELUBE 2000 CABLE BLOWING AND DUCT LUBRICANT

Ideal for blowing cables and relining ducts, Polywater® Prelube 2000™ reduces frictional drag during the blowing of outside plant cable into duct. It increases the length of cable that can be blown in a single shot. Prelube 2000™ can also be used to blow in the hollow microtubes intended to hold future microcables. Over the last decade, Prelube 2000™ has been proven in the blowing of tens of thousands of kilometres of cable in over 20 countries on a variety of cable blowing machines.

PART NO.	DESCRIPTION
S83-6675	A) POLYWATER PRELUBE 2000 CABLE BLOWING LUBRICANT 0.95 LITRE
S83-1819	B) POLYWATER PRELUBE 2000 DUCT LUBRICANT - 18.9 LITRE

POLYWATER PRELUBE 5000 CABLE BLOWING LUBRICANT

Polywater® Prelube 5000™ is more concentrated than the Prelube 2000™. It is intended for blowing microcable into small diameter microtubes. The improved chemistry allows this product to spread further and lower friction at extremely low coating levels. The lower viscosity allows practical application into the microtubes.

- Microfibres/Microduct applications.
- Cable blowing lubricant for air assisted installations.
- Compatible with micro cable plastic jackets.
- Reduces friction, drag, and increases blowing length

PART NO.	DESCRIPTION
S83-6676	A) POLYWATER PRELUBE 5000 CABLE BLOWING LUBRICANT 0.25 LITRE
S83-1665	B) POLYWATER PRELUBE 5000 CABLE BLOWING LUBRICANT 0.48 LITRE

POLYWATER F LUBRICANT 3.8 LITRE

Polywater F Lubricant is a high performance, pourable liquid, cable pulling lubricant recommended for pulling underground fibre optic cable. It is also suitable for pulling coaxial and copper-pair cable.

Polywater F is a thick liquid, and is applied by pouring or pumping the lubricant into the duct system. It is a popular lubricant and used in the pulling over 50,000 miles (80,000 km) of fibre optic cable into duct.

- Field proven high performance pourable lubricant
- Easy to pour into innerducts and feeder tubes
- Works on underground fibre optic, coaxial, and copper cable pulls
- Approved and recommended by many cable manufacturers

PART NO.	DESCRIPTION
S83-6677	POLYWATER F LUBRICANT 3.8 LITRE

POLYWATER FTTX LUBRICANT 0.95 LITRE

Polywater® FTTx Fibre Lubricant makes the installation of fibre drops easy. The lubricant is concentrated, only a thin film is required for immediate tension reduction that lasts even as the lubricant dries. Spray or wipe the cable or conduit. Quick and easy to use without mess or excess lubricant..

- Perfect for Fibre Optic Drops
- Non-Staining, Quick Clean-Up
- Easy Application with Spray
- Lubricates with Very Thin Film, Performs After Drying
- Compatible with Common Cable Jackets Including Polyethylene

PART NO.	DESCRIPTION
S83-6678	POLYWATER FTTX LUBRICANT 0.95 LITRE

POLYWATER SQUEEKYKLEEN CABLE CLEANING WIPES

Supplied in a dispenser with 300 5" x 6" (127mm x 152mm) premoistened cable cleaning wipes. New SqueekyKleenTM cleans and fans fibre in two wipes without alcohol, saving time & money. No follow-up with alcohol required to get fibres squeaky clean and separated for fast & easy splicing. SqueekyKleenTM reduces chemical odours & harmful vapour concentrations in splice trailers and vaults while being less harsh on hands.Its unique formulation and specially designed high-performance towelette work to remove pik from the entire surface of loose tube or ribbon fibres, leaving no residue. SqueekyKleenTM helps keep splice equipment clean for better fibre alignment & splice quality. Will not harm acrylate on loose tube cable or Mylar® on ribbon fibre.

PART NO.	DESCRIPTION
S83-6679	POLYWATER SQUEEKYKLEEN CABLE CLEANING WIPES

POLYWATER SQUEEKYKLEEN GEL FILLED CABLE CLEANER 0.95 LITRE

SqueekyKleen™ Cleaner cleans and fans fibre in two wipes to save time and money. No follow-up with alcohol required to clean and separate fibres before splicing. SqueekyKleen is safe. It reduces chemical odors and keeps vapour concentrations to a minimum in splice trailers and vaults to ensure a safe work environment and is less harsh on your hands. SqueekyKleen Cleaner's unique formulation and high-performance wiping towelette remove pik from the entire surface of loose-tube or ribbon fibres, leaving no residue and helps keep splice equipment clean of contamination.

PART NO.	DESCRIPTION
S83-1820	POLYWATER SQUEEKYKLEEN GEL FILLED CABLE CLEANER 0.95 LITRE

POLYWATER AQUAKLEEN WATER-BASED FIBRE OPTIC CLEANER 0.95 LITRE

AquaKleen™ Water-Based Fibre Optic Endface Cleaner is a solution to the problem of cleaning fibre and is a special blend of 90+% deionized water with water-soluble cleaning solvents.

It is friendly to the environment, less toxic, and safer for use by humans and leaves no residue after evaporating.

PART NO.	DESCRIPTION
S83-1822	POLYWATER AQUAKLEEN WATER-BASED FIBRE OPTIC CLEANER 0.95 LITRE

POLYWATER AQUAKLEEN FIBRE CLEANER 60ML

For cleaning ferrules, bulkheads and fibre endfaces. AquaKleen™ Fibre Cleaner is formulated for cleaning fibre-optic cables and endfaces. Its excellent wetting reaches precision parts to lift dust, buffer gel, lint, finger prints, and oils. AquaKleen™ dissipates static to remove surface charges so that the surface is less likely to be re-contaminated. AquaKleen™ Fibre Cleaner contains innovative, water-based technology. A special blend of 94% ultra-pure deionized water with proprietary solvents, it does not leave a residue. Supplied in a squeeze bottle with dropper tip.

- Eco Friendly, Non-Toxic
- Non-Flammable
- Water-based
- No Residue
- Excellent Solvency
- Easy to Transport

PART NO.	DESCRIPTION
S83-6680	POLYWATER AQUAKLEEN FIBRE CLEANER 60ML

MILLS GROUNDSHEET CARRIAGEWAY BOX

Hi-vis ground sheet tailored in size to be used with all popular 'JRC' and 'JUF' Carriageway Boxes.

The sheet measures 2.1m x 1.5m and is manufactured from hi visibility PVC backed Polyester offering a strong, dry and durable membrane for the operator as well as saving the need for numerous sheets along each side of a pit.

PART NO.	DESCRIPTION
S83-6621	CARRIAGEWAY GROUNDSHEET

A) SPOIL SHEET

A general purpose heavy duty spoil sheet. Square, double skin 2.1m.

B) SHEET CANVAS

Typically used during jointing type work, lightweight canvas sheet, 5' 9" x 5'. Does not drip when wet. Five eyelets fitted on one side.

C) SHEET WATERPROOF 1

General purpose waterproof sheet size 5' x 4' 2".

D) TARPAULINS

General purpose tarpaulins available in 2 sizes.

PART NO.	DESCRIPTION
S83-0702	A) SPOIL SHEET
S83-0701	B) SHEET CANVAS
S83-0699	C) SHEET WATERPROOF 1

PART NO.	DESCRIPTION
S00-1470	D) TARPAULIN 3.5 x 5.0M
S00-3600	D) TARPAULIN 6.0 x 8.0M

KEY 9752 (PAIR)

For medium to heavy non-locking covers, for lifting locking heavy duty Broadstel.

PART NO.	DESCRIPTION
S00-1072	KEY 9752 (PAIR)

KEY 9758

U shaped key for light duty covers with a 9.5mm key hole size.

PART NO.	DESCRIPTION
S00-3031	KEY 9758

KEY JOINT BOX 4

Long handled version of Key Joint Box 2, enabling the user to lift the cover whilst standing up.

PART NO.	DESCRIPTION
S13-1071	KEY JOINT BOX 4

PIT ROLLER BAR

Metal bar used to roll opened pit lids safely into a secure position.

Ref: 129274.

PART NO.	DESCRIPTION
S13-9030	PIT ROLLER BAR

KEY JOINT BOX 5M WITH MAGNETIC ARMS & CLEANING KEY

The Mills premier pit lifting key, similar to the classic key joint box No 5 but enhanced with integral cleaning tool, quick change hook and magnetic counterbalance arms.

Cleaning Tool - a wedge shaped key for cleaning around covers prior to opening, which neatly screws back into the handle for storage.

Magnetic Counterbalance arms - when in the closed position the arms are held to the body of the lifter by strong magnetic pads. The arms can be purchased separately and are compatible with Mills Classic No 5 Lifter (S00-4276) and most other manufacturers No 5 lifters. They can be easily retrofitted in minutes.

Quick Change Hook - the No 5M lifter benefits from a quick change forged hook, which can be easily changed from forward to back position, allowing stubborn covers to be 'cracked'. The hook is secured by a simple tee key. The hook and tee key can be purchased separately and are compatible with Mills Classic No 5 Lifter (S00-4276) and most other manufacturers No 5 lifters.

Ref: 129320.

A

Cleaning tool

Magnetic pads on counterbalance arms

B) Magnetic Counterbalance arms

Magnetic counterbalance arms compatible with the Mills Classic No 5 Lifter (S13-1834) and most other manufacturers' No 5 lifters. Can be easily retrofitted in minutes. Fittings included.

B

D) Mills Replacement Cleaning Tool for No.5 Pit Lifter

A wedge shaped key for cleaning around pit covers prior to opening, which neatly screws back into the handle for storage.

D

E

C

C) Quick Change Hook

Quick change forged hook, which can be easily changed from forward to back position, allowing stubborn covers to be cracked.

E) Mills No.5 Pit Lifter Upgrade Kit

Service your old No 5 Lifter with a new set of magnetic arms and quick change hook - suitable for most current and legacy No5 Lifters.

F) Mills Key Joint Box 5M (Extended Handle) with Magnetic Arms & Cleaning Key

Mills Key Joint Box in an extended length, to suit taller engineers.

The S13-1332, Mills Key Joint Box 5M With Magnetic Arms & Cleaning Key (Extended Length) has all the features of the S13-1333 but with a handle that has been extended by 150mm.

F

PART NO.	DESCRIPTION
S13-1633	A) KEY JOINT BOX 5M WITH MAGNETIC ARMS & CLEANING KEY
S13-1634	B) MILLS MAGNETIC COUNTERBALANCE ARMS FOR KEY JOINT BOX NO.5
S13-1796	C) MILLS QUICK CHANGE HOOK FOR NO.4 AND NO.5 PITLIFTERS
S13-5027	D) MILLS REPLACEMENT CLEANING TOOL FOR NO.5 PIT LIFTER
S13-4483	E) MILLS NO.5 PIT LIFTER UPGRADE KIT
S13-1632	F) MILLS KEY JOINT BOX 5M (EXTENDED HANDLE) WITH MAGNETIC ARMS & CLEANING KEY

KEY LIFTING MANHOLE COVER

"T" shape lifting key for use on circular, oval "woods" type and triangular carriageway manhole covers. Features an eye enabling the use of a crowbar to assist lifting.

Supplied individually but used in pairs.

PART NO.	DESCRIPTION
S13-3575	KEY LIFTING MANHOLE COVER

MILLS KEY LIFTING MANHOLE COVER EXTRA LONG

An extended length version of the standard S13-3575 Key Lifting Manhole Cover, this pit key is 65.5cm in overall length to assist the lifting process and reduce the risk of back injury. The "T" shape lifting key is for use on circular, oval "Woods" type and triangular carriageway manhole covers.

Features a 45mm eye (internal diameter) enabling the use of a crowbar to assist lifting.

Supplied individually but used in pairs.

Colour: Yellow.

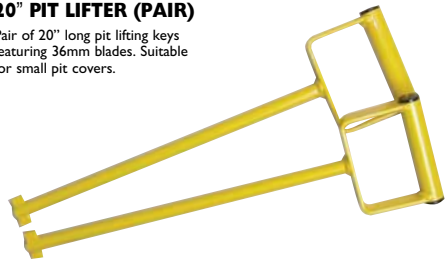| PART NO.	DESCRIPTION
S00-9214	MILLS KEY LIFTING MANHOLE COVER EXTRA LONG

T HANDLE 20" MANHOLE KEY (PAIR)

Light duty manhole key featuring a 22mm blade and a chisel point on the T handle for cleaning cover key holes and channels.

PART NO.	DESCRIPTION
S13-0005	T HANDLE 20" MANHOLE KEY (PAIR)

20" PIT LIFTER (PAIR)

Pair of 20" long pit lifting keys featuring 36mm blades. Suitable for small pit covers.

PART NO.	DESCRIPTION
S13-3000	20" PIT LIFTER (PAIR)

A) 4 WAY PIT LIFTER

Multipurpose pit lifter featuring keys for a variety of different covers.

Features:
- Integral handle for easy carrying.
- Ductile iron construction.
- Painted finish.
- 4 Different heads.
- Handle Length: 530mm
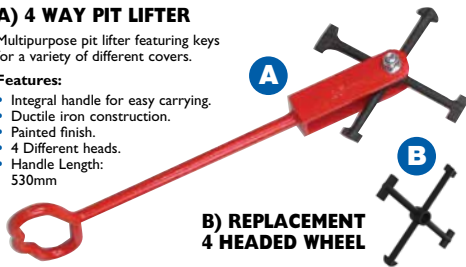
B) REPLACEMENT 4 HEADED WHEEL

PART NO.	DESCRIPTION
S00-7907	A) 4 WAY PIT LIFTER
S00-1703	B) REPLACEMENT 4 HEADED WHEEL

KEY PILLAR

A multi purpose triangular shaped key for use on hollow poles, cross connection cabinets, distribution pillars and jointing posts.

Ref: 114996.

PART NO.	DESCRIPTION
S13- 0804	KEY PILLAR

A) FOLDING PIT COVER LIFTING TOOL 4 WAY

Folding tool designed to support safe manual lifting. Allows manhole covers to be lifted whilst keeping straight back.

Features:
- Integral handle for easy carrying.
- Folds to fit into a car boot.
- Ductile iron construction.
- Painted finish.
- 4 Different heads included.
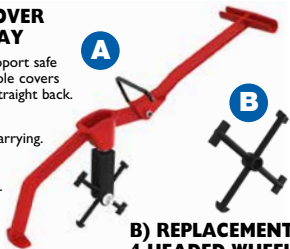
B) REPLACEMENT 4 HEADED WHEEL

PART NO.	DESCRIPTION
S00-1702	A) FOLDING PIT COVER LIFTING TOOL 4 WAY
S00-1703	B) REPLACEMENT 4 HEADED WHEEL

MILLS STAR LOCK PILLAR KEY FOR HUAWEI CABINETS

A multi-purpose star shaped key for use on normal copper cabinets as well as Huawei and ECI DSLAM's Cabinets.

This key is similar to the standard S13-0804 triangular pillar key but has further semi-circular recesses that allow it to be used on both copper and fibre cabinets.

PART NO.	DESCRIPTION
S13-1635	MILLS STAR LOCK PILLAR KEY FOR HUAWEI CABINETS

MILLS KEY INSERTION SAFETY SHIM KISS TOOL

A specialist tool for assisting the lifting of pit covers which have damaged insertion holes. The KISS tool is used in conjunction with S13-4276 Mills Key Joint Box No. 5 Pit Cover Lifter.

PART NO.	DESCRIPTION
S83-4555	MILLS KEY INSERTION SAFETY SHIM KISS TOOL

MILLS KEY CARRIAGEWAY 2A D PIT LIFTER

This D type pit lifter is for use on E type and square or rectangle covers.

Features an adjustable locking nut which bears against the frame to lift the cover.

Supplied individually, but used in pairs.

Dimensions: 260mm x 170mm.

PART NO.	DESCRIPTION
S13-3001	MILLS KEY CARRIAGEWAY 2A D PIT LIFTER

SERVICE CABINET KEY

The square key will fit all rim and mortice budget locks.

Made from steel.

PART NO.	DESCRIPTION
S00-7352	SERVICE CABINET KEY

FIRE BRIGADE FB LIFT OR DROP KEY

The FB Fireman's lift key is also known as the firemans drop key and enables the emergency services to open lift doors in the event of an emergency.

Steel Finish.

PART NO.	DESCRIPTION
S00-1696	FIRE BRIGADE FB LIFT OR DROP KEY

GAS / ELECTRIC UTILITY METER KEY

Triangular gas & electric cabinet box key.

PART NO.	DESCRIPTION
S00-7377	GAS / ELECTRIC UTILITY METER KEY

FIRE BRIGADE MASTER KEY SET

The Fire Brigade six key set includes: 1 x FB1 mortice and rim key 1 x FB2 mortice and rim key, 1 x FB4 Slam lock key, 1 x FB1 padlock key, 1 x FB11 padlock key and 1 x FB14 padlock key.

Many fire brigade services, councils and other emergency services use FB keys.

They are universal keys to open many types of doors, padlocks etc.

Mainly Used By The Fire Service, Schools, Electricians, Contractors etc.

PART NO.	DESCRIPTION
S00-1695	FIRE BRIGADE MASTER KEY SET

A) 4 WAY UTILITIES KEY
Compatible with water, electric and gas service cabinets.

B) SECURITY SPLINE KEY
A spline key for access to meters in a riser cupboards of multi occupancy buildings (MDU's).

C) KNIPEX MULTIFUNCTIONAL KEY
Multifunctional key made of die-cast zinc. Suitable for triangular, external and internal square, double bit, half moon, 7mm slot and No.2 Phillips bit.

- Square 5/6-7/8-9/10-11 mm
- Double bit 3-5 mm
- 6 mm half moon
- Stepped square 6–9 mm
- The two 4-way spider keys are held together magnetically, secured with wire cable when working
- Length: 92mm.
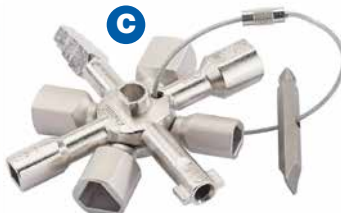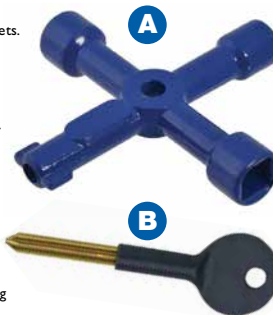
PART NO.	DESCRIPTION
S00-7906	A) 4 WAY UTILITIES KEY
S00-2330	B) SECURITY SPLINE KEY
E00-0161	C) KNIPEX MULTIFUNCTIONAL KEY

5-IN-1 SWITCH CABINET MASTER KEY

The 5-in-1 Switch Cabinet Master Key is suitable for all the usual technical shut-off systems. It has a varnished plastic body with a practical retaining clip and the key profiles are zinc die-cast for increased durability.

The Master Key has 4 different keys, which are fitted on a double turning mechanism, allowing good positioning. In addition, the body houses a magnetic 5mm square and 1/4in bit holder, and a magnetic pocket for 1/4in bits in 7-8mm square profile.

Features:

3 x Square: 5, 6 & 7-8mm.

1 x Triangular: 9mm.

1 x Two-way: 3-5mm.

PART NO.	DESCRIPTION
S00-1760	5-IN-1 SWITCH CABINET MASTER KEY

9-IN-1 SWITCH CABINET MASTER KEY

The 9-in-1 Switch Cabinet Master Key is suitable for all the usual technical shut-off systems. It has a varnished plastic body with a practical securing chain and snap-hook. The key profiles are zinc die-cast for durability. The Master Key has 8 different keys, which are fitted on a double turning mechanism, allowing good positioning. In addition, the body houses a 5mm square key suitable for aerating radiator valves and a 1/4 inch magnetic bit holder.

Features:

4 x Square: 5, 6, 7-8 & 9-10mm.

3 x Triangular: 7, 8-9 & 10-11mm.

1 x Two-way: 3-5mm.

1 x Half-moon: 6mm.

PART NO.	DESCRIPTION
S00-1761	9-IN-1 SWITCH CABINET MASTER KEY

COVERUP KEY TELECOMS SET (FORMERLY KNOWN AS MANUP KEY)

The CoverUp (Formerly ManUp) Key is a revolutionary lifting tool designed to make the removal of stuck manhole covers easy and effortless. A 'one man' solution, it ensures safe lifting and manual handling. The latest v3 version has 2 additional and improved grips for even more comfort and versatility.

Lifting Tool Dimensions:
Length 800mm
Width: 200mm

Features:
- Manholes can be lifted without the use of hammers and chisels, preventing damage to covers and surrounding area
- Provides a momentary upward force of 1.5 tonnes from its 8Kg weight and slide hammer action
- One man solution still ensuring all health and safety aspects of safe lifting and manual handling
- 'Telecoms Kit' includes the Lifting tool, 4 Tips (22mm & 32mm Flat Tips, 10mm J Tip & 20mm Oval Tip) & 2 x Locking clips in a padded case
- Other tips available on request

PART NO.	DESCRIPTION
S83-1917	A) COVERUP KEY TELECOMS SET (FORMERLY KNOWN AS MANUP KEY)
S83-1918	B) COVERUP (FORMERLY MANUP) REPLACEMENT TIP - 32MM FLAT
S83-1919	C) COVERUP (FORMERLY MANUP) REPLACEMENT TIP - 22MM FLAT
S83-1920	D) COVERUP (FORMERLY MANUP) REPLACEMENT TIP - 12MM J HOOK
S83-1921	E) COVERUP (FORMERLY MANUP) REPLACEMENT TIP - 20MM OVAL
S83-1922	F) COVERUP (FORMERLY MANUP) REPLACEMENT RETAINING PIN

A) PROTEUS HANDYLIFT HYDRAULIC MANHOLE COVER LIFTER

Proteus Handylift is a versatile lifter for both internal and external covers. The lifter has a safe working load of 1.5 tonnes and, with the right selection of keys and spreaders, is capable of lifting all types of covers up to 900mm x 900mm keyspan. The Handylift Hydraulic can be carried fully assembled in a van or large car boot, and can also be disassembled quickly and easily to fit in smaller spaces. Re-assembly of the lifter is easy and takes less than 30 seconds. Fully assembled weight 29kg. S00-1501 Proteus Handylift Hydraulic Cover Lifter Key Set.

Set of keys for use with the S00-1500 Proteus Handylift Hydraulic Manhole Cover Lifter. Offering greater flexibility than some lifters, they can also be used on other types of manholes besides the BT types.

B) PROTEUS HANDYLIFT HYDRAULIC COVER LIFTER KEY SET

Set of keys for use with the S00-1500 Proteus Handylift Hydraulic Manhole Cover Lifter.

Offering greater flexibility than some lifters, they can also be used on other types of manholes besides the BT types.

C) PROTEUS HYDRAULIC MANHOLE LIFTING REPLACEMENT FOOT KEY 5C

Replacement hook for use with the S83-1501 Proteus Handylift Hydraulic Cover Lifter Key Set. Supplied individually but typically ordered in pairs.

PART NO.	DESCRIPTION
S83-1500	A) PROTEUS HANDYLIFT HYDRAULIC MANHOLE COVER LIFTER
S83-1501	B) PROTEUS HANDYLIFT HYDRAULIC COVER LIFTER KEY SET
S13-1502	C) PROTEUS HYDRAULIC MANHOLE LIFTING REPLACEMENT FOOT KEY 5C

ARNOLD MK 1 COMPACT COVER LIFTER

Arnold MK1 is designed to allow a single person to safely remove and replace a variety of manholes, duct and trench covers with minimal effort.

The device is designed to dismantle into a compact size making it easy to stroe and transport. It can also manoueuvered or carried in its storage mode and has reflective livery so it can be seen at night.

The pivoting bearer beam with jacks at each end allows the lid to remain horizontal during the removal and replacement Extended Bearer Beam with jacks process.

- Safe working load of 125kgs.
- Product weight: 20kgs
- Folded dimensions: 1000(L x 360(W) x 700 (H)mm
- Open dimensions: 1400(L) x 1100(W) x 1240(H)mm

Supplied with box of fully forged keys comprising:
- 35mm T, 25mm T, for the majority of manhole colver
- 25mm L key for telecoms covers
- Hook key for grates, gullys, vented lids and for attaching the extended bearer beam.

PART NO.	DESCRIPTION
S00-3698	ARNOLD MK 1 COMPACT COVER LIFTER

A) MILLS HYDRAULIC MANHOLE COVER LIFTER 4C COMPLETE KIT

The Mills Hydraulic Manhole Cover 4C is quick and easy to assemble and has a safe working load of 800kg allowing operators to lift even stuck covers with minimal effort.

For additional operational safety and to prevent damage to covers and associated ironwork, the hydraulic cover lifter now incorporates replaceable fused hooks which will break when a lifting force of more than 400kg is applied

The lifter comes complete with a ram operating handle, a lifter manoeuvring handle and carrying handle, and is supplied complete with a packet of 2 replacement S13-0965 400kg Fused Links, bars together with a pair of each of the following keys:

- 1A Used to lift Elkington type manhole covers.
- 2A Used to lift unit type manhole covers.
- 3B Used for lifting triangular type covers such as Silent Knight and Covers Carriageway C and D.
- 4A Used to lift old types of manhole covers.
- 5C Used for lifting split covers.

Replacement Spare Parts
- S13-0965 400kg Fused Link Packet of 2
- S13-0964 Fused Kit Upgrade Kit

B) Mills Replacement Pair of Lifting Keys 5C Pair of Lifting Keys
For lifting split covers. Ref 126968.

C) Mills Replacement Pair of Lifting Keys 4A Pair
For use on old style BT manhole covers. Formerly S83-0854. Ref 126652.

**D) Mills Replacement Pair of Lifting Keys 3B
Pair of replacement Lifting Keys**
For use on triangular type covers such as Silent Knight and Covers Carriageway C and D. Formerly S83-2661. Ref 126934.

E) Mills Replacement Pair of Lifting Keys 2A
For use on Unit type manhole covers Formerly S83-2660. Ref 126650.

**F) Mills Replacement Pair of Lifting Keys 1A
Pair of replacement Lifting Keys 1A**
For use on Elkington type manhole covers. Formerly S83-2659. Ref 126649.

G) Mills Replacement Hydraulic Jack Unit
Mills Replacement Hydraulic Jack Unit for use with the S13-0966 Mills Hydraulic Manhole Cover 4C.

**H) Replacement Jack Handle
for Mills Hydraulic Manhole Cover Lifter 4C**
Replacement Jack Handle for the S13-0966 Mills Hydraulic Manhole Cover Lifter 4C.

**I) S13-0965 Mills 400kg Fused Link
for S13-0966 Mills Hydraulic Manhole Lifter - Pack of 2**
Pack of two replacement 400kg fused links for the S13-0966 Mills Hydraulic Manhole Lifter.

J) S13-0964 Fused Kit Upgrade Kit
Includes S13-0965 Mills 400kg Fused Links as well as hook assembly.
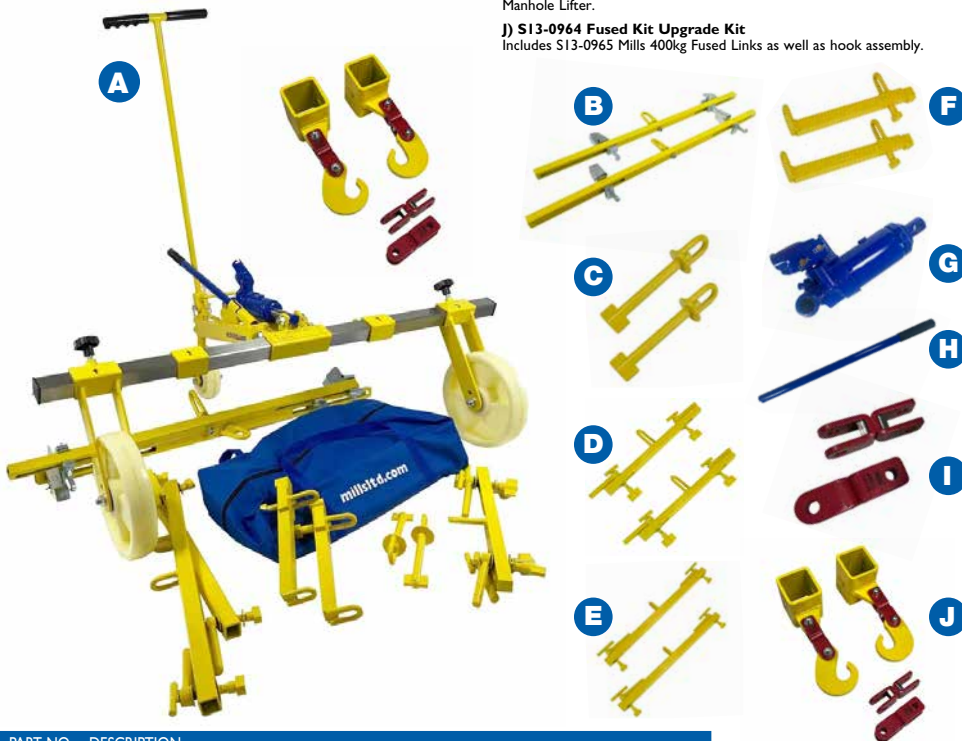
PART NO.	DESCRIPTION
S13-0966	A) MILLS HYDRAULIC MANHOLE COVER LIFTER 4C COMPLETE KIT
S13-0967	B) MILLS REPLACEMENT PAIR OF LIFTING KEYS 5C
S13-0968	C) MILLS REPLACEMENT PAIR OF LIFTING KEYS 4A
S13-0969	D) MILLS REPLACEMENT PAIR OF LIFTING KEYS 3B
S13-0970	E) MILLS REPLACEMENT PAIR OF LIFTING KEYS 2A
S13-0971	F) MILLS REPLACEMENT PAIR OF LIFTING KEYS 1A
S13-0972	G) MILLS REPLACEMENT HYDRAULIC JACK UNIT
S13-0973	H) REPLACEMENT JACK HANDLE FOR MILLS HYDRAULIC MANHOLE COVER LIFTER 4C
S13-0965	I) MILLS 400KG FUSED LINK FOR S13-0966 MILLS HYDRAULIC MANHOLE LIFTER - PACK OF 2
S13-0964	J) FUSED LINK AND HOOK FOR HYDRAULIC MANHOLE LIFTER (PAIR)

FOR CLUB HAMMERS & RUBBER MALLETS

THE MILLS PITMATE SYSTEM

The Pitmate range of products and accessories has been specifically designed in conjunction with telecom engineers to assist field operational staff with the installation of telecommunication equipment. The Pitmate system comprises a Pitmate Base Unit which can be attached to the existing Mobra arms allowing splicing trays, cable reel stands and even umbrella stands to be quickly and easily attached providing a stable platform whilst on site. In addition many of the components are interchangeable with the Mills Polemate System, shown on page 74.

MILLS PITMATE KIT

Kit comprises;
S83-7629 Splicer's Work Tray
S83-7626 Mobra Arm Bracket
S83-7624 CBT Arm

Pitmate Base Unit

…with Splicer's Tray

…with General Tray

…with CBT Reel Arm

A

B

MOBRA ARM BRACKET

An adjustable bracket which can be fixed easily to the Mobra frame. The bracket can be adjusted to 6 different heights by use of the captive pin in 80mm increments, starting from a minimum height of 150mm to a maximum of 550mm.

C

CBT ARM

A specialist 500mm long bracket for use in the installation and controlled de-reeling of CBT Cable Reel Assemblies up to a diameter of 830mm. The CBT Arm System allows the reel to be unreeled in a controlled manor due to the interference fit of the spindle flanges.

D

SPLICER'S WORK TRAY

A purpose made splicers tray that simply slots into the S83-7622 Polemate Base Unit or Pitmate Mobra Arm Bracket (S83-7626) providing a firm work support for both joint, splicer, cleaver and associated tools.

Dimensions: Width 508mm x Depth 408mm x Thickness 2mm.

E

SPLICER TRAY ENCLOSURE PLATE

Mills Splicer Tray Enclosure Plate for CMJ and MMJ Closures. Adaptor plate for use with the Mills Splicers Tray (S83-7629) , designed to hold Prysmian CMJ and MMJ enclosures during assembly or splicing. The enclosure will clip onto any side of the Mills splicers tray.

F

GENERAL WORKING TRAY

Easily slipped into the S83-7622 Mills Polemate Base Unit Bracket providing a firm work support for general service and maintenance applications. Dimensions: 508mm x 258mm.

G

UMBRELLA CLAMP FOR MOBRA FRAME

An 'L' shaped clamp which quickly fixes to the Mobra frame. The umbrella clamp accepts most umbrellas with a stock of 18-34mm.

PART NO.	DESCRIPTION
S83-9326	A) MILLS PITMATE KIT
S83-7626	B) MILLS PITMATE MOBRA ARM BRACKET
S83-7624	C) MILLS POLEMATE / PITMATE CBT ARM
S83-7629	D) MILLS POLEMATE / PITMATE SPLICER'S WORK TRAY
S83-0112	E) MILLS SPLICER TRAY ENCLOSURE PLATE FOR CMJ AND MMJ CLOSURES
S83-7431	F) A GENERAL PURPOSE WORK TRAY
S83-7625	G) MILLS PITMATE UMBRELLA CLAMP FOR MOBRA FRAME

MILLS POLEMATE
SEE PAGE 74

Mills

A) DUCT BLOCKAGE DRILL AND EXTENSION KIT

Designed, developed and tested to enable the clearing of mud, stones and general ground materials found around customer premises which often fall into the PVC duct bends and cause difficulties during installation of a microduct or cable.

By optimising the use of a countersink drill bit, which provides a low risk of damaging already installed cables in the blocked duct, the Duct Blockage Drill is used in conjunction with a battery-operated drill (Not Included) and bores its way through the blockage.

The flexible drill piece and extensions allow the drill to follow the PVC duct 90° bend to continue through the blockage. After use, the blocked duct is now back to being fully useable and using a duct rod through the bored hole, a cable or microduct can now be installed successfully.

The drill piece and extensions are constructed from flexible 1m lengths of stranded stainless-steel wire rope oversheathed with high density plastic tubing to allow the operator to grip the drill piece while it is spinning.

Kit Contents:
• 1 x 1 metre flexible drill piece
  with counter sink drill bit + protective cap
• 1 x 1 metre flexible extension.
• 1 x Allen Hex key to allow removal
  and replacement of the counter sink drill bit
• 1 x Storage/carry case for the drill pieces and extensions.

Ref: 088049.

B) DUCT BLOCKAGE DRILL EXTENSION 1M

One metre additional extension for S83-4170 Duct Blockage Drill constructed from a flexible length of stranded stainless-steel wire rope, oversheathed with high density plastic tubing to allow the operator to grip the drill piece while it is spinning.

PART NO.	DESCRIPTION
S83-4170	DUCT BLOCKAGE DRILL AND EXTENSION KIT
S83-4171	DUCT BLOCKAGE DRILL EXTENSION 1M

CABLE RECOVERY PRODUCTS

As the UK rollout of full fibre (FTTP) broadband gathers pace, British Telecom are increasingly turning their attention to the challenge of how to extract all of that valuable copper leftover from their legacy phone network.

To support this project, Mills have a comprehensive range of winches, socks, rollers and cutters, available for next day delivery.

Fibre Equipment & Tooling

Mills
EST. 1919

FTTH INNOVATIONS F.I.G. FIBRE INSTALLATION GUN - F19-1000

The Best In Class Handheld Cordless Air Blown Microfibre Installation Gun, For Fibre To The Home/Premises.

Designed with the Drop Fibre installer in mind, the F.I.G. is a lightweight, battery-powered compact blowing gun that features an innovative and simple to use 'no-crush' fibre loading mechanism that prevents cable damage and wastage - in addition to saving the fibre installer valuable set up time.

It is optimised to deploy reeled ballistic microfibre up to 2.0mm diameter in 5mm, 6mm, 7mm and 8mm microducts over distances up to 2000 metres*.

This ergonomic pistol-shaped installation gun has a unique anti-buckle feature to prevent fibre damage whilst blowing. It provides extremely efficient air delivery performance, allowing it to be used with a small air compressor producing ≥80 L/min. (2.8 CFM) at 10 bar.

Its 'cruise control' technology enables hands-free operation.

The LCD screen on the top of the F.I.G. displays speed, distance, pushing force and battery life.

Adjustable push control and interchangeable adaptor plates enable the F.I.G. to be quickly and easily adapted to operate on different microfibre sizes and microducts.

The F.I.G. is available individually with optional extra tripod or as complete kit including F.I.G, Compressor, Tripod and Mills Fibre Blowing Toolkit for both overhead and underground applications.

Includes:

- 2 x Bosch 12v 2.0 Ah Lithium Ion batteries and 1 x 220/240v battery charger
- 1.2 mm adaptor plate set (for 1.1mm fibre cable) including gasket sets for 5mm, 6mm,7mm and 8mm microducts
- Tough, impact-resistant, weatherproof case
- Water separator, replacement drive wheel, o-rings and gaskets
- Threaded anchor point for use with optional tripod mount or optional harness attachment

F.I.G.

Enter 'Mills FIG' into YouTube to see video

UK FIBRE AWARDS WINNER

FIG KIT FIG FIBRE INSTALLATION KIT

Kit Includes:

- **F19-1000 FIG Fibre Installation Gun**
  The Best In Class Handheld Cordless Air Blown Microfibre Installation Gun, For Fibre To The Home/Premises.
- **Lastmile Blown Fibre Air Compressor Petrol**
  This compact and lightweight compressor has been specifically designed to produce clean oil free dry air for fibre blowing applications and is the ideal partner for the F19-1000 FTTH Innovations F.I.G.Fibre Installation Gun.
- **Professional Tripod for F.I.G. Fibre Blowing Gun**
  A professional grade lightweight tripod for use with the F.I.G Fibre Blowing Gun providing a stable footing with height variable from 30.5mm to 160.50mm.
- **Air Hose 10m with Male CEJN to PCL Coupler**
- **Air Hose 10m with Male CEJN to PCL Coupler kit**

PART NO.	DESCRIPTION
F19-1000	F.I.G. FIBRE INSTALLATION
FIG KIT	FIG KIT FIG FIBRE INSTALLATION KIT

F.I.G. FIBRE INSTALLATION GUN ACCESSORIES

PART NO.	DESCRIPTION
F19-1120	A) F.I.G. FIBRE INSTALLATION GUN ADAPTOR PLATE SET 1.2MM (FOR 1.1 MM FIBRE CABLE) - SUPPLIED AS STANDARD WITH THE FIG
F19-1121	A) FIBRE INSTALLATION GUN ADAPTOR PLATE SET 1.75MM (FOR 1.6 MM FIBRE CABLE)
F19-1122	A) FIBRE INSTALLATION GUN ADAPTOR PLATE SET 2.25MM (FOR 2.00MM FIBRE CABLE
F19-1128	B) F.I.G. REELER ARM MAGNETIC KNUCKLE ADAPTOR
F19-1101	C) PROFESSIONAL TRIPOD FOR F.I.G. FIBRE BLOWING GUN
FIG/REPAIR-MAJOR	D) MAJOR REPAIR FOR F.I.G. FIBRE INSTALLATION GUN
FIG/REPAIR-MINOR	D) MINOR REPAIR FOR F.I.G. FIBRE INSTALLATION GUN
F19-1123	E) F.I.G. SPARE TOP & BOTTOM GREEN GASKET SET FOR 5 MM MICRODUCT
F19-1124	F) F.I.G. SPARE TOP & BOTTOM BLUE GASKET SET FOR 6 MM MICRODUCT
F19-1125	G) F.I.G. SPARE TOP & BOTTOM RED GASKET SET FOR 7 MM MICRODUCT
F19-1126	H) F.I.G. SPARE TOP & BOTTOM WHITE GASKET SET FOR 8 MM MICRODUCT
F19-1107	I) WATER SEPARATOR WITH METAL BOWL AND AIRLINE CONNECTORS FOR F.I.G. FIBRE INSTALLATION GUN
S83-1693	J) 10M AIR HOSE KIT WITH FITTINGS
F19-1108	K) F.I.G. FIBRE INSTALLATION GUN SET OF 2 RED FEED WHEEL TYRES
F19-1111	L) F.I.G. FIBRE INSTALLATION GUN RED RUBBER FIBRE REEL ARM DONUT
F19-1117	M) F.I.G. FIBRE INSTALLATION GUN 6.0AH 12V BATTERY
F19-1115	N) F.I.G. FIBRE INSTALLATION GUN 2.0AH 12V BATTERY
F19-1116	O) F.I.G. FIBRE INSTALLATION GUN 12V BATTERY CHARGER

FREMCO® FIBRE BLOWING MACHINES

Mills Limited are the exclusive distributors for the UK and Ireland and offer product from stock, service turn around within 48 hours, technical support, training and different payment options.

REQUEST YOUR TEST DRIVE TODAY!

WHY FREMCO?

No need for tools

Configuration and installation with our machines can be deployed without any usage of tools. This makes every fibre blowing job more effective as the machine can quickly be changed to blow different sizes of fibre/cable and ducts.

Easy configuration

With attention to user-friendly design, our machines have a minimum number of loose parts making it possible to configure the machine in only a few minutes. This makes it possible to reach several fibre blowing jobs per day.

Competitive pricing

The development of our machines are made with the customer in mind.

The machines are great quality, and with no unnecessary, expensive features. Our extended warranty and service agreement up to 60 months creates a great cost-benefit.

NANOFLOW MAX

Fibre blowing machine for FTTH fibres (EFBU) and micro cables up to 4.5 mm

Small but powerful fibre blowing machine, which can blow both blown fibre (EPFU) and micro/nano cables. Tested in accordance to IEC standards.

Design for fibre/cable diameter 0.8 - 4.5 mm being blown into 3 - 12.7 mm microducts.

MICROFLOW LOG

Fibre blowing machine for FTTH fibres (EFBU) and micro cables up to 6.5 mm

The Fremco Microflow LOG is a data driven decision fibre blowing machine. Its online diagnostics display how the machine is operating and how to improve its utilisation.

Design for fibre/cable diameter 0.8-6.5 mm being blown into 4-16 mm ducts.

MICROFLOW TOUCH

Fibre blowing machine for FTTH fibres (EFBU) and micro cables up to 6.5 mm

The Fremco Microflow is the natural choice for effortless FTTH installations.

Design for fibre/cable diameter 0.8-6.5 mm being blown into 4-16 mm ducts.

EASYFLOW SMART

Based on 25 years of experience in the fibre blowing market, EasyFlow SMART (Patent pending) includes all the experience of a fibre blowing expert. The automatic mode protects the cable all the way during the fibre blowing job, minimising costly errors and significantly loss of cable.

FREMCO® FIBRE BLOWING MACHINES

POWERFLOW RAPID

The Fremco Powerflow is a highly robust machine, engineered specifically for external use and capable of blowing single and multiple fibre cables into multiductings.

Designed to blow or float fibre cables from 5.5-25mm into duct sizes 10-63mm at speeds of up to 80m per minute over distances up to 10km (using water).

MULTIFLOW RAPID

The Fremco Multiflow is a multipurpose heavy duty external blowing machine.

Comfortable in blowing the largest multiple fibres as well as blowing microducts into larger ducts (relining).

Designed to blow or float fibre cables from 5.5-32mm into duct sizes 10-63mm at speeds of up to 80m per minute over distances up to 10km (using water).

MINIFLOW RAPID

Cable blowing machine for access network

The Fremco MiniFlow Rapid offers exceptionally rugged construction and high performance.

Ensures reliability in all extreme weather conditions, it has been designed to blow fibre cables from 3-12mm into tube sizes 7-20mmmm at speeds of up to 100m per minute over distances up to 3.5km.

PRODUCT OVERVIEW
Fibre Optic Cable Installation Machines

	ACCU	110/230 V	110/230 V	230 V

Model	NanoFlow MAX	MicroFlow Touch	MicroFlow LOG	EasyFlow SMART
Typical Usage	Inside	Inside	Inside	Inside/Outside[1]
Fiber/Cable	OD 0.8-4.5 mm	0.8-6.5 mm	0.8-6.5 mm	4-16 mm
Duct Size OD	3-12.7 mm	4-16 mm	4-16 mm	8-40 mm
Item No. #	101-190911001	101-10051	101-171001001	101-211129001
Max Speed	125 m/min (410 ft)	90 m/min (295 ft)	90 m/min (295 ft)	80 m/min (260 ft)
Pushing	Force 0-2 kg	0-12 kg	0-10 kg	0-30.6 kg
Blowing distance	Up to 1,200 m	Up to 2,500 m	Up to 2,500 m	Up to 3,500 m
Rec. Airflow	200-400 l/min (7.1- 14.1 cfm)	200-500 l/min (7.1-17.7 cfm)	200-500 l/min (7.1-17.7 cfm)	1,000-12,000 l/min (35.3-423.8 cfm)
Max. Pressure	10 bar (150 psi)	16 bar (230 psi)	16 bar (230 psi)	16 bar (230 psi)
Length Width Height Weight	212 mm 104 mm 139 mm 2.8 kg (w/o battery)	Machine: 250 mm / 150 mm / 220 mm / 10.5 kg Control Box: 200 mm / 150 mm / 80 mm / 1.2 kg	Machine: 250 mm / 150 mm / 220 mm / 10.5 kg Control Box: 240 mm / 250 mm / 80 mm / 2.9 kg	400 mm 620.5 mm 340 mm 44 kg
Service requirement	Annually	Annually or every 350000 m	Annually or every 350000 m	Annually
Unique features	• Unique double fiber protection • Adjustable clamping force • Tool free installation • Lightweight but powerful	• Anti-Buckle fiber detection • Adjustable torque • Preset automatic stop • Adjustable speed control	• Access to OptiCloud • Possibility of job documentation & planned maintenance • Anti-buckle fiber detection	• Fully automatic fiber blowing machine • Equipped with a cable protection system • Fully automatic air supply • Tool free configuration

[1] Not to be used in wet environments

FREMCO®

PRODUCT OVERVIEW
Fibre Optic Cable Installation Machines

HYDRAULIC   HYDRAULIC   RELINING   HYDRAULIC   HYDRAULIC

Model	MiniFlow RAPID	PowerFlow RAPID	MultiFlow RAPID	DuctRod RAPID
Typical Usage	Outside	Outside	Outside	Outside
Fiber/Cable OD	3-12 mm	5.5-25 mm	5.5-32 mm	9-25 mm
Duct Size OD	7-20 mm	10-63 mm[1]	10-63 mm[1]	10-40 mm
Item No. #	101-10031	101-40001	101-40002	101-220106001
Max Speed	100 m/min (325 ft)	80 m/min (260 ft)	80 m/min (260 ft)	80 m/min (260 ft)
Pushing Force	0-40 kg	0-125 kg	0-200 kg	0-200 kg
Blowing distance	Up to 3,500 m	Up to 5,000 m	Up to 5,000 m	-
Pushing distance	-	-	-	Up to 500 m
Floating distance	-	Up to 10,000 m	Up to 10,000 m	-
Rec. Airflow	1,000 l/min (35.3 cfm)	8,000-12,000 l/min (282.5-423.8 cfm)	8,000-12,000 l/min (282.5-423.8 cfm)	-
Max. air/water Pressure	8-16 bar air (120-230 psi)	16 bar (230 psi)	16 bar (230 psi)	-
Max. hydraulic pressure	-	110 bar (1595 psi)	110 bar (1595 psi)	110 bar (1595 psi)
Length Width Height Weight	650 mm 225 mm 210 mm 24 kg	950 mm 400 mm 500 mm 45 kg	1050 mm 400 mm 500 mm 51 kg	1050 mm 400 mm 500 mm 51 kg
Service requirement	Annually	Annually	Annually	Annually
Unique features	• Possible to reverse cable • Flexible adaptability • Adjustable torque, distance and speed measurement	• Rugged, solid construction • Flexible • Tool free installation	• Relining and single cable • Easy adjustable Flex block and inlet • Adjustable Torque Distance and Speed measurement	• Tool free installation • Adaptable to various manholes • Efficient rodpushing • Adjustable Torque Distance and Speed measurement

[1] Standard duct size OD for PowerFlow RAPID and MultiFlow RAPID: 14-60 mm
Custom made duct size OD for PowerFlow RAPID and MultiFlow RAPID: 10-13 mm & 61-63 mm

FREMCO®

FIBRE EQUIPMENT & TOOLING

email: **sales@millsltd.com**   purchase online: **www.millsltd.com**

Mills EST. 1919

FREMCO HYDRAULIC CONTROL UNIT

The Hydraulic Control Unit is used to connect the Hydraulic MultiPower Pack to the blowing machine and control its operation
- Stepless speed control
- Control direction forward and backward
- Manometer for monitoring cable pressure
- Safety valve for pushing force
- Enviromentally friendly hydraulic couplings
- Required for MiniFlow, PowerFlow and MultiFlow
- Hydraulic connection: 0>125 bar, 17 l/min
- Manometer:160 bar
- Hose to fibre blowing machine: 1500 mm
- Hose to hydraulic pump:1500 mm
- Length: 250 mm
- Width: 250 mm
- Height: 310 mm
- Weight: 5 kg

EXTENDED 36 MONTHS WARRANTY

HANDMADE IN DENMARK · DANISH DESIGN

FREMCO

PART NO.	DESCRIPTION
CONTROLUNIT	HYDRAULIC CONTROL UNIT

FREMCO HYDRAULIC MULTIPOWER PACK

The Hydraulic MultiPower Pack is the required hydraulic power source for the MiniFlow, MultiFlow and PowerFlow machines.
- Oil flow 18 l.p.m at 3300 r.p.m.
- Working pressure nominal 100 bar.
- Pressure relief valve set at 110 bar.
- Pump Gear pump.
- Oil temperature Max. 70°C.
- Hydraulic oil tank capacity min. 5 litres/max. 7 litres
- Petrol tank capacity 3.1 litres
- Hydraulic system - Max. 8 litres
- Filter system (filter element) 25 Micron with by-pass
- Engine Honda GX200QX7 6.5 HP (gross power)
  4-stroke petrol with oil alert system.
- Petrol - normal or unleaded.
- Engine oil 1.1 litres.
- Guaranteed sound power level LWA 100 dB
- Sound pressure level 1 m LPA 88 dB
- Dimensions (LxWxH) 630x530x510 mm
- Weight, without hydraulic oil 54 kg.

FREMCO

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PDF Adobe **Datasheet available online**

PART NO.	DESCRIPTION
MULTIPOWER	HYDRAULIC MULTIPOWER PACK

FREMCO ACCESSORIES & SPARE PARTS

Mills offers many different types of accessories and spare parts for all of the Fremco machines including air compressors, adaptor plates, blowing juction boxes, chains, water pumps and many more.
Please call sales for further information and pricing

JUNCTION BOXES
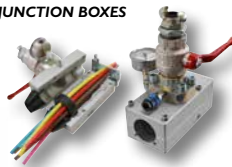
SEALS, GASKETS & ADAPTOR PLATES

DISTANCE & SPEED COUNTERS

CHAINS

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FIBRE EQUIPMENT & TOOLING

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millsltd.com
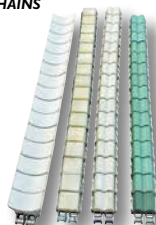
FREMCO®

The official Fremco Service Centre for the UK and Ireland

As the official distributor for UK and Ireland, Mills has recently opened its Fremco Service Centre. The Service Centre is designed in association with Fremco, and is manned by six Mills / Fremco trained staff. The Fremco Service Centre is able to offer 3 or 5 year service agreements for the full range of Fremco machines, including the new Duct Rod Rapid Pusher.

48 Hour turnaround

A 48 hour turnaround on servicing is the norm with loan machines available as necessary to avoid disruption to the work flow.

All servicing carries a 12 month warranty.

Service Agreement Benefits

- Save money compared to actual price of a service
- High Quality Servicing at an authorised Fremco Service Centre
- Fixed monthly, annual or one-off payment giving total overview of expenses
- Keep your extended warranty when your machine is serviced at an authorised Fremco Service Centre

Purchasing Options

Here at Mills we've extended our purchasing options so that for expensive kit valued at over £2,000 such as the Fremco range or complete tool kits, we can offer finance and hire facilities through our agreements with Sunbelt Rentals and Johnson Reed.

Fremco machines represent a considerable investment for many companies so being able to hire on a short-term or long-term contract makes a lot of sense financially.

Hiring

SUNBELT RENTALS

Hire Fibre Blowing and Network Test Equipment from Sunbelt Rentals

When you hire from Sunbelt, our specialist knowledge ensures you'll get the most appropriate equipment, delivered on time complete with instructions and accessories.

You also have access to first class technical support should there be any problems.

www.sunbeltrentals.co.uk

Leasing

JOHNSON REED
Business Finance

Johnson Reed can arrange a flexible lease-to-purchase agreement for any purchases from £2,000. You can spread payments over a 2-to-5 year term with a hassle-free application completed over the phone. Leasing is fast, tax efficient and available to ALL businesses new and well established. Use their handy online calculator to get a quick estimate:
www.johnsonreed.co.uk/calculator

Just contact our sales team on: 020 8833 2626

FIBRE EQUIPMENT & TOOLING

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MDU CORDLESS COMPRESSOR WITH 2 X 40V 4AH BATTERIES, CHARGER

Cordless Compressor supplied with with 2 x 40v 4Ah Batteries, Charger & Hose.

Suitable for short blowing runs under 100 metres.

Output: 240w
Airflow: 40 litres per minute
Tank Volume: 2 litres
Max Pressure: 8 bar
Dimensions: 34.5 x 25.5 x 36 cm
Weight: 6.5kg

PART NO.	DESCRIPTION
P09-5094	A) MDU CORDLESS COMPRESSOR WITH 2 X 40V 4AH BATTERIES, CHARGER & HOSE
P09-5095	B) REPLACEMENT BATTERY FOR MDU CORDLESS COMPRESSOR 40V 4AH
P09-5096	C) UNIVERSAL CHARGER FOR CORDLESS COMPRESSOR 40V BATTERIES

KAESER MINI COMPRESSOR

Kaeser's baby compressor, especially suitable for contractors working on internal fibre blows where petrol compressors aren't an option. Ideal for distances less than 500m, the unit's special design enables easy single-handed manoeuvrability.

Flow Rate at 6 bar l/min: 113
Max Pressure Bar: 10
Rated Power Motor kW: 1.1
Sound pressure level * dB(A) 72
Power Supply: 230v AC
Dimensions: 610 x 350 x 570mm
Weight: 33kg

PART NO.	DESCRIPTION
S83-2794	KAESER MINI COMPRESSOR

A) KAESER I.COMP 3 MOBILE COMPRESSOR 240V

The I.Comp 3 Mobile is the new compressor from Kaeser delivering and maintaining oil-free air at a rate of 160 l/min at 11 Bar, thanks to the new I Comp 3 control system.

This makes the compressor the ideal solution for the vast majority of smaller fibre blowing machines.

Motor Size: 1.5Kw
Max Operating Pressure: 11Bar
Flow Rate at 6 bar: 160 L/min
Noise Level: dB (A)
Protection Rating: IP54
Dimensions: 570 x 440 x 1050mm
Lightweight, only 29Kg

B) KAESER I.COMP 3 PORTABLE COMPRESSOR 240V

Similar specification to S00-3507.
Features wheels for increased portability.

PART NO.	DESCRIPTION
S00-3507	A) KAESER I.COMP 3 MOBILE COMPRESSOR 240V
S00-4172	B) KAESER I.COMP 3 PORTABLE COMPRESSOR 240V

CLARKE CFP10H PORTABLE 5HP PETROL ENGINE DRIVEN COMPRESSOR

The Clarke CFP10H is powered by a reliable 5HP 4 stroke Honda petrol engine, and is an economy compressor ideal for powering smaller blowing machines. This unit can deliver 7 bars of pressure with an integrated air pressure relief valve/ gauge and utilises its frame as a 2.5 litre storage receiver. Features and Technical Specification:

Light weight, only 26kg
Honda 4 stroke petrol engine
Motor: 5HP Maximum working pressure: 7 Bar
Receiver capacity: 2.5L
Displacement: 9cfm
Air Tank Volume: 2.5 Litres
Air flow approx 80 litres per minutes
Max Working Pressure: 101 psi
Engine: 5.0 HP
Dimensions (L x W x H): 510 x 370 x 470mm

PART NO.	DESCRIPTION
S00-4363	CLARKE PETROL COMPRESSOR

THE 6A BLOWN FIBRE COMPRESSOR

The 6A Blown Fibre Compressor is petrol engine driven rotary vane compressor producing 200 l/min of pulse free treated compressed air at a working pressure of 10 bar. It is powered by a Honda GX240QX OHV Petrol Engine and incorporates a 12V DC air cooled aftercooler reducing the compressed air temperature to within 2 degrees C of ambient. A 3 stage filtration system provides technically oil-free air.

The unit is also available with an optional 24V DC outlet socket for supplying the blowing head (other voltages available on request).

Dimensions: 900mm length x 500mm width x 750mm height

Weight: 85kg

PART NO.	DESCRIPTION
S83-3626	THE 6A BLOWN FIBRE COMPRESSOR

AIR HOSE 10M

10m air hose kit with high quality reinforced 8mm (5/16'') bore hose.

Options available with bayonet, PCL and CEJN Coupler configurations.

PART NO.	DESCRIPTION
S83-1693	10M WITH PCL MALE & PCL COUPLER
S83-3525	10M WITH MALE CEJN & PCL COUPLER
S83-3526	10M WITH MALE AA5102 BAYONET & PCL COUPLER
S83-3527	10M WITH MALE AA5102 BAYONET CONNECTOR & CEJN COUPLER
S83-3528	10M WITH MALE CEJN & CEJN COUPLER

LASTMILE 70/10 AIR COMPRESSOR

This compact and lightweight compressor has been specifically designed to produce clean oil free dry air for fibre blowing applications and is the ideal partner for most small blowing machines. The lightweight 25kg compressors produce 9.5 CFM (80 l/min) of clean air at maximum pressure of 10 Bar (145 PSI).

The Last Mile Compressors have an efficient V twin oil-less compressor pump which can be powered by P3HP Suburu Petrol, with electric 240v or 110v options available.

9.5 CFM (80 l/min) of clean air at maximum pressure of 10 Bar (145 PSI).

Technical Specification:

Air Flow Rate 9.5 CFM (80 litre/min)
Maximum Pressure 145 psi (10 bar)
Noise Level 80 dB LpA / 94 dB LwA
Fuel Tank Capacity 3.5 Litre
Weight 25kg

PART NO.	DESCRIPTION
S00-3790	PETROL LASTMILE COMPRESSOR
S00-4353	110V LASTMILE COMPRESSOR
S00-1046	240V LASTMILE COMPRESSOR

LASTMILE 70/10 AIR COMPRESSOR (BATTERY POWERED)

The industry's best performing 10bar 70 litre compressor is now available, with a choice of 2 battery options and ideal for MDU and indoor installations.

Safe to use indoors

Eco-friendly - battery can be powered with mains or solar panels. Proven to last between 1.2 and 1.5 hours with the 70/10 compressor. Huge Expandable Capacity. Expandable 1612Wh/2016Wh capacity battery power station. Link two extra batteries to get a massive 5644Wh/6048Wh.

Multiple Charging Methods

Charge with mains, solar, car or the EcoFlow Smart Generator. Charge to 80% in under 1hr via mains outlets. Use Dual Charging to combine AC with the Smart Generator for even faster speeds. Pair solar + AC, or Solar + the Smart Generator for outdoor use.

PART NO.	DESCRIPTION
S00-1047	A) LASTMILE ECOFLOW DELTA MAX 1600 BATTERY POWERED COMPRESSOR WITH TROLLEY
S00-1048	A) LASTMILE ECOFLOW DELTA MAX 2000 BATTERY POWERED COMPRESSOR WITH TROLLEY
S00-1043	B) DELTA MAX PORTABLE POWER STATION 1600W
S00-1044	C) DELTA MAX PORTABLE POWER STATION 2000W
S00-1045	LASTMILE FIBRE TROLLEY

LASTMILE 200/10 AIR COMPRESSOR (PETROL)

The LastMile 200/10 air compressor is the Big Brother to the LastMile 70/10 (S00-3790). This compact and trolley mounted compressor has been specifically designed to produce clean oil free dry air for larger fibre blowing applications and use with duct motor 2B (S83-2627).

The new 7HP petrol powered compressor has a free air delivery of 265 litres per minute with a pressure of 10 bar, weighing at 37kg along with a built-in trolley and collapsible handle for easy storage, and has a footprint of only 560mm by 750mm.

Technical Specification:
• Air Flow Rate 19 CFM (265 litre/min)
• Maximum Pressure 145 psi (10 bar)
• Noise Level 89 dB LpA / 94 dB LwA
• Fuel Tank Capacity 3.5 Litre
• Weight 37kg

PART NO.	DESCRIPTION
S00-3789	LASTMILE 200/10 BLOWN FIBRE 7HP AIR COMPRESSOR PETROL

FIBRE EQUIPMENT & TOOLING

LASTMILE VRK ARMADILLO FIBRE BLOWING COMPRESSOR

The Lastmile VRK20 is a portable compressor designed for cable blowing. With safety and efficiency in mind, it is designed to meet the requirements for cable blowing installations.

Features:
- Built in aftercooler
- Automatic optimum air flow delivery - the unit will automatically adjust the air flow to optimum volume, this reduces stress on the engine and improves fuel efficiency
- Max operating pressure 15bar / 218psi
- Working Pressure 13Bar / 188psi
- Free air delivery 1000L/min / 35cfm
- Minimum working pressure 5.5bar / 80psi
- Drive system engine-air end, belt drive XP2 over dimensioned

- Compressor cooling system Air/Oil
- Oil cooling capacity 5 litres / 1.33 gallons
- Air outlet temperature 20C + Ambient temperature
- Hose Diameter 3/4"
- Outlet connector Claw
- Noise level EECno 2000/14 <98 LWA
- Battery 12Vcc 300A-30Ah (EN)
- Fuel tank capacity 15L / 4 gallons
- Weight 240K

Please see the website specification sheet for further details

PART NO.	DESCRIPTION
S00-3791	LASTMILE VRK ARMADILLO FIBRE BLOWING COMPRESSOR

LASTMILE MDVN82KH PORTABLE COMPRESSOR

Electro-galvanised bodywork and chassis with advanced painting procedure to grant an excellent preservation through time. Compact dimensions for easy handling and optimum dimensions / delivered power ratio. Stage IIIB-Tier 4 Final compliant, without DPF filtration system (less maintenance costs)

Filters "spin-on" type for quick maintenance

Full accessibility for easy and rapid maintenance and service

European homologation for road circulation with brakes.

Compressor
- Operating pressure | 7 bar 102 psi | 10 bar 145 psi | 14 bar 203 psi
- Free air delivery | 8000 l/min 282 cfm | 6400 l/min 226 cfm | 5000 l/min 177 cfm
- Minimum working pressure | 5,5 bar - 80 psi
- Drive system engine-airend | Direct Drive
- Compressor cooling system | Air / Oil
- Oil cooling capacity | 16 lt - 3.52 UK gal
- Air outlet temperature | 40°C - 105°F + Ambient temperature
- Outlet valves | 2 x 3/4"+ 1 x 1"
- Noise level EECno 2000/14 | < 98 LWA
- Battery capacity | 12V cc - 950A-132Ah (EN)
- Fuel tank capacity | 92 lt - 20.24 UK gal
- Consumes | 9,3 lt/h - 2.05 UK gal/h (9,9 working hours)

PART NO.	DESCRIPTION
S00-1802	LASTMILE MDVN82KH PORTABLE COMPRESSOR

A) KAESER M17 PORTABLE COMPRESSOR

Versatile, reliable and easy to transport: This small compressor takes up minimal loading space and, with it's high-quality motor and extremely impact-resistant PE enclosure, it's ready for anything.

The 15-bar version is the ideal choice for trenchless laying of glass fibre cables or for leakage tests.

An external compressed air aftercooler can also be optionally connected to ensure a dependable supply of cool, condensate-free air at all times.

Flow Rate: 1.0 m3/min or 35cfm

Operating Pressure: 15 bar or 215 PSI

Petrol Engine: Honda GX630

Engine Rated Power: 15.5 kW

Fuel Tank Capacity: 20 Litres

Operational Weight: 204 KG

A

Please see the website specification sheet for further details

B) KAESER AFTERCOOLER FOR M17 COMPRESSOR

Aftercooler with additional microfilter for use with Kaeser M17 Compressor providing cool, condensate-free and oil-free compressed air.

B

PART NO.	DESCRIPTION
101-30011	A) KAESER M17 PORTABLE COMPRESSOR
101-30002	B) AFTERCOOLER FOR KAESER M17 PORTABLE COMPRESSOR

MILLS BLOWN FIBRE TOOLKIT No.1 IN 20" RUGGEDISED TOOLBOX

A basic toolkit designed for the blown fibre engineer, comprising over 30 tools for the installation and connection of fibre ducting and subsequent blown fibre installation. It is supplied in a large capacity 20" (50cm), ruggedised tool box.

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

Kit Comprises:
- 20" (50cm) Ruggedised Toolbox
- Mills LED Head Torch
- 0.45 litre Sharps Box
- Sharpie Pen (PK 2)
- Collet Locking Tool
- Micro Duct Cutter
- Cutter Hand No 2
- 3 Piece 1000V Plier Set
- Kevlar Scissors
- Spring Back Knife
- Junior Hacksaw
- PVC Tape Black
- Tube Gauge
- Tube Reamer
- Mills Tri Head Duct Cutter
- Large Capacity Duct Cutter 0-30mm
- Screwdriver Set
- Safety Gauntlets
- Mills Wipes
- 5m Tape Measure
- Bolle Safety Glasses (not laser protective)
- Mini Millslite Cree LED Zoom Lens Torch

PART NO.	DESCRIPTION
A10-6183	MILLS BLOWN FIBRE TOOLKIT No.1

FIBRE EQUIPMENT & TOOLING

MILLS BLOWN FIBRE TOOLKIT No.2 IN 23" RUGGEDISED WATERPROOF TOOLBOX

A comprehensive toolkit designed for the blown fibre engineer, comprising over 50 tools for the installation and connection of fibre ducting and subsequent blown fibre installation. The Mills Blown Fibre Kit 2 is supplied in a large capacity 23" (58cm), ruggedised waterproof tool box

Kit Comprises:
- 23" Ruggedised Toolbox
- 0.45 litre Sharps Box
- Mills LED Head Torch
- Parts Organiser
- Sharpie Pen (PK 2)
- Collet Tools
- Micro Duct Cutter
- Longitunal Cutter 1A
- Cutter Hand No 2
- 3 Piece 1000V Plier Set
- Kevlar Scissors
- Mills Combined LED Torch & Worklight
- Mills 3 Way Fibre Stripper
- Metric Ball End Hex Key Set
- 8" Adjustable Spanner
- Electronic Vernier Caliper
- Spring Back Knife
- Junior Hacksaw
- PVC Tape
- Tube gauge
- Tube Reamer
- Mills Tri Head Duct Cutter
- Bead Crimper
- Large Capacity Duct Cutter 0-30mm
- Screwdriver Set
- Safety Gauntlets
- Mills Wipes
- 5m Tape Measure
- Connector Plier
- Bolle Safety Glasses (not laser protective)
- Mini Millslite Cree LED Zoom Lens Torch

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6184	MILLS BLOWN FIBRE TOOLKIT No.2

Mills EST. 1919

MILLS BLOWN FIBRE MICRODUCT CUTTER - 0-14MM

A compact plastic duct cutter with PTFE coated blade for precision cutting of micro ducts up to a diameter of 14mm with minimal effort incorporating a one handed locking system. Length: 133mm.

PART NO.	DESCRIPTION
E00-7292	MILLS MICRODUCT CUTTER 0-14MM
E00-6419	SPARE BLADE FOR MICRODUCT CUTTER

MILLS BLOWN FIBRE MICRODUCT TUBE CUTTER 0-12MM

Designed to give a clean, straight cut to the blown fibre microduct before inserting into a connector.

PART NO.	DESCRIPTION
E00-6641	MILLS BLOWN FIBRE TUBE CUTTER - 0-12MM

MILLS BLOWN FIBRE DUCT CUTTER 0-22 MM

A heavy duty plastic duct cutter with PTFE coated blade for precision cutting of ducts up to a diameter of 22 mm with minimal effort. This tool incorporate a one handed locking system.

PART NO.	DESCRIPTION
E00-6974	A) MILLS BLOWN FIBRE DUCT CUTTER 0-22 MM
E00-6975	B) REPLACEMENT BLADE FOR DUCT CUTTER 0-22 MM

MILLS BLOWN FIBRE DUCT CUTTER 6MM - 25MM

Diecast zinc alloy bodied cutter fitted with reversible hardened and tempered replaceable steel blade. Also suitable for cutting rubber hose and pipe. Length 190mm.
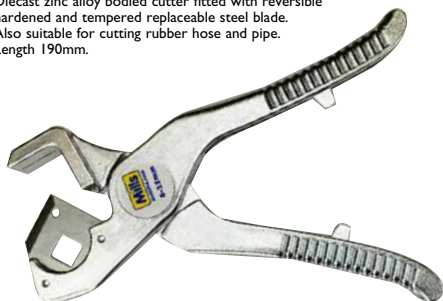
PART NO.	DESCRIPTION
E00-4673	MILLS BLOWN FIBRE DUCT CUTTER 6-25MM
E00-1968	REPLACEMENT BLADE FOR MILLS BLOWN FIBRE DUCT CUTTER 6MM - 25MM

MILLS TRI-HEAD DUCT CUTTER

An innovative plastic duct cutter with a revolving head giving three duct ranges suitable for the most popular sizes of tubes used in the fibre blowing industry:

Position 1 - Ducts from 0 to 8mm
Position 2 - Ducts from 9mm to 18mm
Position 3 - Ducts from 19mm to 25mm

The tri-head duct cutter also benefits from an S2 high speed steel cutting blade and can be locked in the closed position for storage. Overall length: 215mm.

PART NO.	DESCRIPTION
S83-6198	MILLS TRI-HEAD DUCT CUTTER
S83-4816	SPARE BLADE FOR TRI-HEAD DUCT CUTTER

JONARD FS-1080 THIN-WALLED MICRODUCT SCORING TOOL 5–16 MM

The Jonard Tools Microduct Scoring Tool is perfect for scoring and ringing 10/8 and 12/10 fibre optic microducts without damaging the fibres inside.

Features:

Unique design allows you to score and ring 10/8, 12/10, and 14/12 fibre optic microducts without any adjustments to the tool

Perfect for microducts 5 mm-16 mm (0.20"-0.63") in diameter with a wall thickness of 1.0 mm-1.3 mm

Wide jaws curl around the microducts, holding them in place while scoring

Spring-loaded butterfly clip makes it easy to open and position it perfectly on microducts

Includes the FS-1080RB blade for 10/8 and 12/10 but also compatible with FS-1416RB blades for 14/10 and 16/10 fibre optic microducts

PART NO.	DESCRIPTION
E00-4306	A) JONARD FS-1080 THIN-WALLED MICRODUCT SCORING TOOL 5–16 MM
E00-4307	B) REPLACEMENT E00-4306

JONARD FS-1416 THICK-WALLED MICRODUCT SCORING TOOL 5–16 MM

The Jonard Tools Microduct Scoring Tool is perfect for scoring and ringing 14/10 and 16/10 fibre optic microducts without damaging the fibres inside.

Features:

Unique design allows you to score and ring 14/10 and 16/10 fiber optic microducts without any adjustments to the tool

Perfect for microducts 5 mm-16 mm (0.20"-0.63") in diameter with a wall thickness of 1.5 mm-3.0 mm (0.059"-0.118")

Wide jaws curl around the microducts, holding them in place while scoring

Spring-loaded butterfly clip makes it easy to open and position it perfectly on microducts

Includes the FS-1416RB blade but also compatible with FS-1080RB blade for 10/8 and 12/10 fibre optic microducts
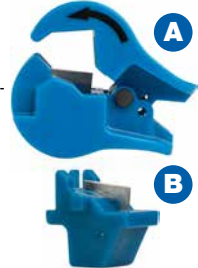
PART NO.	DESCRIPTION
E00-4304	JONARD FS-1416 THICK-WALLED MICRODUCT SCORING TOOL 5–16 MM
E00-4305	REPLACEMENT BLADE FOR E00-4304

JONARD TC-300 TUBE CUTTER - 1/4" (6.3 MM) - 3" (76 MM)

Designed to perform radial cuts on 1/4" to 3" (6.3 - 76 mm) copper, brass, aluminum and plastic tubes, this tube cutter is perfect for cutting open fibre optic ducts and other tubes without damaging anything inside them.

Features:

Four roller bearings securely hold tubes in place while cutting

Quick release push button disengages the tool from the tube quickly and easily

Removable reamer stored neatly in handle for deburring and reaming after cutting

Cutting wheel can be removed easily without tools

Included spare cutting wheel stored within the knob for convenience

Dimensions: 22.8 x 10.1 x 2.5 cm

Weight: 885g

PART NO.	DESCRIPTION
E00-0123	JONARD TC-300 TUBE CUTTER - 1/4" (6.3 MM) - 3" (76 MM)

KNIPEX BIX PLASTIC PIPE CUTTER

This clever, practical tool cuts plastic pipes and sealing sleeves quickly and cleanly, without shavings. It can cut reinforced plastic pipes with a diameter of 20 to 50mm and a wall thickness of up to 2.4mm. It enables standard, compliant cutting for drip and sealing sleeves to DIN 18534 standards and can cut sealing sleeves approx. 2–3mm from the wall.

The cutter has a unique rotating blade that can turn 180 degrees to switch between central and outer cutting functions. Compact and versatile, the cutter fits comfortably in the hand. There's a locking mechanism for safe transport and two spare blades are integrated into the tool.

Cuts quickly and cleanly without shavings. Cuts reinforced plastic pipes with a diameter of 20 to 50mm. Standard, compliant cutting for drip and sealing sleeves, to DIN 18534 standard.

The unique design rotating blade can be turned 180 degrees to switch between central and outer cutting functions. Locking mechanism for safe transport

PART NO.	DESCRIPTION
E00-0167	KNIPEX BIX PLASTIC PIPE CUTTER

SUBDUCT CUTTER 3-30MM

Fully adjustable tube and subduct cutter adjustable from 3-30mm. The cutter benefits from two guide rollers for ease of use.

PART NO.	DESCRIPTION
E00-6691	SUBDUCT CUTTER

MILLS SUBDUCT CUTTER 6-35MM

A circumferential cutter for use on Sub-duct with an outside diameter of 6-35mm. The ratchet mechanism provides a smooth cutting action with minimal effort. The cutting blade can be easily cleaned or replaced without the need to open the body of the cutter.

PART NO.	DESCRIPTION
S83-6910	MILLS SUBDUCT CUTTER
S83-6911	SPARE BLADE FOR MILLS SUBDUCT CUTTER

FIBRE EQUIPMENT & TOOLING

Mills

HEAVY DUTY RATCHET 42MM DUCT CUTTER

Heavy Duty Ratchet Pipe Cutter for ducts up to 42mm,
manufactured from die cast aluminium with black vinyl grips.

PART NO.	DESCRIPTION
S83-6787	HEAVY DUTY RATCHET 42MM DUCT CUTTER

HEAVY DUTY RATCHET 60MM DUCT CUTTER

Heavy Duty Ratchet Pipe Cutter for ducts up to 60mm, manufactured from
die cast aluminium with black vinyl grips

Also suitable for cutting PVC, polybutylene, MDP, polyethylene, HEP20®,
plastic overflow pipe, plastic electrical conduit, supertube, mini trunking,
rubber hose, pneumatic pipe and electrical sleeving

PART NO.	DESCRIPTION
S83-6973	HEAVY DUTY RATCHET 60MM DUCT CUTTER

PIPE CUTTER 22MM

Tube cutter designed for accurately cutting
LLDPE tubing up to 22mm. Simply mark where
the pipe needs to be cut and then use the
handy clamp action to cut a square edge.

PART NO.	DESCRIPTION
E00-0165	PIPE CUTTER 22MM

MILLS END CUTTING DUCT TOOL (CROCODILE)

Specialist microduct cutter with a
90 degree rotating head mechanism
allowing the tool to end cut and
side cut microduct up to an outside
diameter of 10mm, making it essential
in awkward access areas. The tool
benefits from a locking catch for
blade security when not in use and
also features comfort grip handles for
repetitive applications.
Overall length: 175mm.

PART NO.	DESCRIPTION
E00-6670	MILLS END CUTTING DUCT TOOL (CROCODILE)

OPT T0133 BFT INTERCEPT CUTTER

The OPT Blown Fibre Tube (BFT) Intercept Cutter is designed to cut a window in
the sheath of a (7x 6 mm) 7BFT where a Tube Intercept Joint (TIJ) is to be fitted. It
cuts both circumferentially and longitudinally, which allows a window to be made in
the sheath enabling access to an individual BFT within the length of a pre-installed
7BFT Bundle.

PART NO.	DESCRIPTION
E00-5750	OPT T0133 BFT INTERCEPT CUTTER

JONARD MDS-100 MICRODUCT SHEATH SLITTING TOOL

Designed with slim safety heads
and high carbon steel blades, this
microduct sheath slitting tool is
perfect for slitting the sheaths
off microduct bundles to access
the microducts inside.

Features:

Unique slim head design gets
in between microducts easily
while preventing accidental nicks
and cuts

High carbon steel blade slices
through microduct sheaths
with ease

Thick handle for improved
ergonomics and secure grip

Large loop for storing on a belt,
karabiner, or key ring.

PART NO.	DESCRIPTION
E00-0114	JONARD MDS-100 MICRODUCT SHEATH SLITTING TOOL

MILLS CUTTER LONGITUDINAL 1A

This tool can be used to strip the sheath longitudinally from around blown fibre microduct or other Telco style cable without damaging it. The unwanted tube which surrounds the fibre can be stripped off with ease.

PART NO.	DESCRIPTION
E00-0470	CUTTER LONGITUDINAL 1A
E00-3816	SPARE BLADE FOR CUTTER LONGITUDINAL 1A

MILLS LONGITUDINAL & CIRCUMFERENTIAL SHEATH STRIPPING TOOL

A specialist ratchet cable slitter with a reversible double-ended replaceable blade with adjustable cutting depth 0-5mm for each unique cable application that can be used for both longitudinal and circumferential stripping on most cables upto 25mm.

The sheath stripper will slit most jacket materials and is capable of both midspan entry or end cable stripping applications.

Ref: 127420.

PART NO.	DESCRIPTION
E00-7643	MILLS LONGITUDINAL & CIRCUMFERENTIAL SHEATH STRIPPING TOOL

MILLS TUBE REAMING & DEBURRING TOOL

A handy essential tool for deburring or reaming the internal surface of plastic blown fibre tubes from 2mm to 12mm, prior to the installation of a connector. The tapered cone contains a long lasting abrasive coating and the tool benefits from bi-material comfort grip handle.

PART NO.	DESCRIPTION
J04-6467	MILLS TUBE REAMING & DEBURRING TOOL

JONARD DB-5 RAPID MICRODUCT DEBURRING TOOL

Designed with slim safety heads and high carbon steel blades, this microduct sheath slitting tool is perfect for slitting the sheaths off microduct bundles to access the microducts inside.

Features:

Unique slim head design gets in between microducts easily while preventing accidental nicks and cuts

High carbon steel blade slices through microduct sheaths with ease

Thick handle for improved ergonomics and secure grip

Large loop for storing on a belt, karabiner, or key ring

PART NO.	DESCRIPTION
E00-0120	A) JONARD DB-5 RAPID MICRODUCT DEBURRING TOOL
E00-0121	B) REPLACEMENT BLADES FOR E00-0120 - PACK OF 5

MILLS MICRODUCT ROUNDING TOOL

A simple yellow nylon multistep rounding tool for reforming internal diameters of microducts..

The rounding tool has an overall length of 75mm and is optimised for reforming of microducts with internal diameters:

• 3.5mm
• 6mm
• 8mm
• 10mm

Supplied in packs of 4.

PART NO.	DESCRIPTION
C00-4452	MICRODUCT ROUNDING TOOL (PK4)

INTERNAL / EXTERNAL DEBURRER 6-35 MM

Internal / External Pipe End Deburrer is used for the deburring of large subducts. Capable of deburring pipes up to 35mm in diameter.

PART NO.	DESCRIPTION
J04-9321	INTERNAL / EXTERNAL DEBURRER 6-35 MM

FIBRE EQUIPMENT & TOOLING

BEAD CRIMPER & GUIDE BEADS

A specialist crimping tool for attaching fibre blowing leader beads to fibre prior to installation. Suitable for crimping bullets 2-8mm. Guide beads available separately in packs of 25.

PART NO.	DESCRIPTION
E72-6782	BEAD CRIMPER
E00-4855	GUIDE BEADS FOR 2/4 FIBRE PK25
E00-4856	GUIDE BEADS FOR 8/12 FIBRE PK25
E00-4857	GUIDE BEADS FOR 24 FIBRE PK50

MILLS TUBE MEASURING GAUGE

A handy tool for measuring the inside and outside diameter of blown fibre tubes.
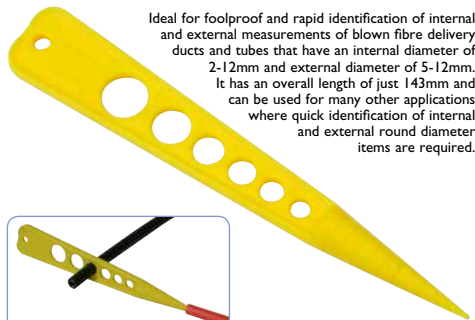
Ideal for foolproof and rapid identification of internal and external measurements of blown fibre delivery ducts and tubes that have an internal diameter of 2-12mm and external diameter of 5-12mm. It has an overall length of just 143mm and can be used for many other applications where quick identification of internal and external round diameter items are required.

PART NO.	DESCRIPTION
E00-6124	MILLS TUBE MEASURING GAUGE

COLLET LOCKING TOOL

Used to securely lock microduct joiners and connectors.

PART NO.	DESCRIPTION
E00-0451	COLLET LOCKING TOOL

MICRODUCT BALL END GUIDE ATTACHMENT

The Microduct Ball End Guide Attachment is a simple 16mm ball end with screw that is screwed into the end of a Microduct allowing it to act as a guide when being pushed through existing flexible or rigid ductwork.

PART NO.	DESCRIPTION
S00-7664	MICRODUCT BALL END GUIDE ATTACHMENT

MILLS LONG REACH BLOWN FIBRE DUCT CONNECTOR PLIERS

A specialist tool designed for the installation and removal of blown fibre connectors with body diameters of 10-16mm. The tool has an overall length of 270mm and is ideal for difficult to reach places.

PART NO.	DESCRIPTION
E12-6630	MILLS LONG REACH DUCT CONNECTOR PLIERS

MILLS 6 IN 1 BLOWN FIBRE CRIMPER / TUBE CUTTER

The 6 in 1 tool is designed for use by both the Plan and Build and Lead to Cash engineers. The 6 different functions are:

1. Tube cutter
2. Bead crimper
3. Manifold tube measurement guide
4. Tube reforming nipple
5. Gas and Water block activation tool
6. 30mm splice protector fibre guide

PART NO.	DESCRIPTION
E00-5480	6 IN 1 BLOWN FIBRE TOOL

CALIBRATION PELLETS AND CLEANING SPONGES

A) Blowing calibration Pellets
B) Ball Chain Calibrator Pellets
C) Catcher 6mm for Sterlite Drop Connector Body
C) Catcher for 8mm Microduct Standard Length
C) Catcher for 8mm Microduct Long Length
C) Catcher for 8mm (2.4mm) Commscope EDSA
C) Catcher for 8mm Microduct and Air Hose
D) Microduct Cleaning Sponges (8 sizes)
E) Fremco Microduct Cleaning Sponges (5 sizes)
F) Test Darts for 5 / 3.5mm Micro-duct Integrity Testing - Pack of 120

PART NO.	DESCRIPTION
S00-6406	A) BLOWING CALIBRATION PELLETS 2.65MM DIAMETER (PACK 100)
S00-4331	B) BALL CHAIN CALIBRATOR PELLETS FOR 3MM MICRODUCT (PACK 5)
S00-4332	B) BALL CHAIN CALIBRATOR PELLETS FOR 5MM MICRODUCT (PACK 5)
S00-3855	B) BALL CHAIN CALIBRATOR PELLETS FOR 7MM MICRODUCT (PACK 5)
S00-3856	B) BALL CHAIN CALIBRATOR PELLETS FOR 10MM MICRODUCT (PACK 5)
S00-6800	C) MICRODUCT FIBRE CATCHER 6MM FOR STERLITE IP68 DP RUGGEDISED DROP CONNECTOR BODY
S00-6708	C) CATCHER FOR CALIBRATION PELLETS AND SPONGES - 8MM FITTING
S00-6802	C) CATCHER FOR CALIBRATION PELLETS AND SPONGES - 8MM FITTING LONG
S00-4357	C) 8MM FIBRE CATCHER 2.4M FOR COMMSCOPE EDSA
S00-4333	C) CALIBRATOR / SPONGE CATCHER WITH 8MM AIR HOSE ATTACHMENT & 1.5M 8/4MM MICRODUCT
S00-6405	D) CLEANING SPONGE FOR 3.5MM MICRODUCT (PACK 10)
S00-7176	D) CLEANING SPONGE FOR 5.0MM MICRODUCT (PACK 10)
S00-4373	D) CLEANING SPONGE FOR 6.0MM MICRODUCT (PACK 10)
S00-7177	D) CLEANING SPONGE FOR 8.0MM MICRODUCT (PACK 10)
S00-7178	D) CLEANING SPONGE FOR 10.0MM MICRODUCT (PACK 10)
S00-7179	D) CLEANING SPONGE FOR 12.0MM MICRODUCT (PACK 10)
S00-4380	D) CLEANING SPONGE FOR 14.0MM MICRODUCT (PACK 10)
S00-4385	D) CLEANING SPONGE FOR 16.0MM MICRODUCT (PACK 10)
103-2005060	E) 5 MM SPONGE FOR ID: 2.5-4.0 MM (PACK 100)
103-2008060	E) 8 MM SPONGE FOR FOR ID: 4.0-6.0 MM) (PACK 100)
103-2012060	E) 12 MM SPONGE FOR FOR ID: 6.0-9.0 MM (PACK 100)
103-2018060	E) 18 MM SPONGE FOR FOR ID: 9.0-14 MM (PACK 50)
103-2028060	E) 28 MM SPONGE FOR FOR ID: 14-21 MM (PACK 50)
S00-7663	F) TEST DARTS FOR 5 / 3.5MM MICRO-DUCT INTEGRITY TESTING - PACK OF 120

FIBRE EQUIPMENT & TOOLING

MILLS MICRODUCT PRESSURE AND INTEGRITY TEST KIT

The Mills Microduct Pressure and Integrity Test Kit is an essential piece of kit for all blown fibre installers.

The kit is optimised to suit 7mm and 8mm microduct installations and contains a blown fibre inflator with air flow gauge for measuring the microduct integrity and identification of air leaks. In addition the kit contains a 7 compartment storage with 8mm to 7mm reducers as well as a calibrator pellet and sponge catcher. The test kit is supplied with a Mills microduct cutter in an ABS storage case with foam insert.

Dimensions: 422 x 246 x 114mm.

Please note:
B) C00-6697 Blown Fibre Air Inflator and
C) S83-6189 Air Flow Gauge may also
be purchased separately.

PART NO.	DESCRIPTION
C00-3851	A) MILLS MICRODUCT PRESSURE AND INTEGRITY TEST KIT
C00-6697	B) BLOWN FIBRE AIR INFLATOR
S83-6189	C) AIR FLOW GAUGE

A) MILLS LIGHT WAND MICRODUCT TRACER 20M

The Light Wand Microduct Tracer has been designed to identify the correct blowing tube when used in conjunction with the C00-6118 10mW Visual Fault Locator.

B) BLOWN FIBRE TRACER WIRE 300M

TA specialist 1.8mm blowable 300m cable with copper conductor which has been designed to assist the installer trying to trace and identify buried microducts. The tracer wire is supplied on a reel and can be used with most fibre blowing machines, using 1.8mm adaptor plates. Once blown into the microduct the tracer can be connected to a standard Genny Signal Generator C00-7896 and identified using a standard CAT Cable Avoidance Tool C00-7895.

PART NO.	DESCRIPTION
E00-6530	A) MILLS LIGHT WAND MICRODUCT TRACER 20M
S00-7581	B) BLOWN FIBRE TRACER WIRE 300M

MILLS CABLE SNIFFER FIBRE IDENTIFIER

The Cable Sniffer is a patented tester for quickly and accurately identifying fibre cable in 7 and 8mm microduct. Once clamped around the microduct, the tester immediately can identify if a cable is present in the duct, and displays a red light if cable is present, or a green light if the duct is empty.

A blue indication light will also be displayed if the unit has a 'no test'. The 'Sniffer' is ergonomically design easily fits into the hand and has an IP54 Rating.

Dimension: 190x35x35mm.

COMING SOON!

PART NO.	DESCRIPTION
C00-0180	MILLS CABLE SNIFFER FIBRE IDENTIFIER 7MM
C00-0181	MILLS CABLE SNIFFER FIBRE IDENTIFIER 8MM

FISPY MICRODUCT FAULT IDENTIFIER

The FiSpy is an innovative new product using smart technology to detect micro duct faults. Its patented process identifies a micro duct or micro ducts within a multiduct environment. This removes the risk of identification errors and the cutting of ducts, minimising the time and cost traditionally spent fault finding.

One button operation makes the FiSpy easy to use with simple green or red LED indication to identify faults.

The FiSpy has a low cost of ownership and maintenance, is user friendly, with a compact design.

It works with 5mm, 7mm and 8mm interchangeable head sizes, and a robust IP67 ruggedised case.

PART NO.	DESCRIPTION
C00-7562	A) FISPY MICRODUCT FAULT IDENTIFIER MAIN UNIT
C00-9325	B) 5MM HEAD (ONLY) FOR FISPY
C00-9324	B) 7MM HEAD (ONLY) FOR FISPY
C00-7563	B) 8MM HEAD (ONLY) FOR FISPY

FIBRE JOINTER'S KIT - IN MILLS TOTE BAG

A toolkit comprising the essential tools required for general fibre jointing & basic copper jointing applications.
This version is supplied in a Tote Bag.

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

Kit comprises:

- Mills Utility Tote Bag With Cover Flap
- 0.45l Sharps Bin
- 4 oz IPA Dispenser
- Longitudinal Stripper
- Cable Cutter 10.5mm
- Mills Stripper Fibre 1A
- 100 Pair Cutter
- Mills MasterClass1000V 3 Piece Plier Set
- Mills 6 In 1 Blown Fibre PreparationTool
- Ideal Loose Tube Stripper 3.5 - 5.5mm
- Ideal Fibre Stripper 6.5 - 14mm
- Mills Masterclass Fibre Optic Stripper 3 Hole
- Drop Fibre 36 Fibre Optic Stripper
- Mills Masterclass Cable Ringing Tool (4.5 - 25mm)

- 10" Tin Snips
- Mills Masterclass 1000V Screwdriver Set
- 8" Adjustable Wrench
- 1/2lb Cross Pein Hammer
- 1lb Cross Pein Hammer
- 10" Cold Chisel with Grip
- 6" Steel Rule
- Eco-Tools 5M Tape Measure
- LED Inspection Light
- Knife Pocket No. 2
- 6" Hand File
- Cable Scissors
- Junior Hacksaw
- 12" General Purpose Hacksaw
- Black PVC Tape
- Safety Spectacles
- Cable Tie Gun
- Sharpie Pen (PK 2)

PART NO.	DESCRIPTION
A10-6200	FIBRE JOINTER'S KIT - IN MILLS TOTE BAG

FIBRE JOINTER'S KIT - IN MILLS TOOL BOX

A toolkit comprising the essential tools required for general fibre jointing & basic copper jointing applications. This version is supplied in a Mills Tool Box.

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

Kit comprises:

- Mills Heavy Duty Toolbox
- 0.45l Sharps Bin
- 4 oz IPA Dispenser
- Longitudinal Stripper
- Cable Cutter 10.5mm
- Mills Stripper Fibre 1A
- 100 Pair Cutter
- Mills MasterClass1000V 3 Piece Plier Set
- Mills 6 In 1 Blown Fibre PreparationTool
- Ideal Loose Tube Stripper 3.5 - 5.5mm
- Ideal Fibre Stripper 6.5 - 14mm
- Mills Masterclass Fibre Optic Stripper 3 Hole
- Drop Fibre 36 Fibre Optic Stripper
- Mills Masterclass Cable Ringing Tool (4.5 - 25mm)
- 10" Tin Snips

- Mills Masterclass 1000V Screwdriver Set
- 8" Adjustable Wrench
- 1/2lb Cross Pein Hammer
- 1lb Cross Pein Hammer
- 10" Cold Chisel with Grip
- 6" Steel Rule
- Eco-Tools 5M Tape Measure
- LED Inspection Light
- Knife Pocket No. 2
- 6" Hand File
- Cable Scissors
- Junior Hacksaw
- 12" General Purpose Hacksaw
- Black PVC Tape
- Safety Spectacles
- Cable Tie Gun
- Sharpie Pen (PK 2)

PART NO.	DESCRIPTION
A10-6201	FIBRE JOINTER'S KIT - IN MILLS TOOL BOX

FIBRE JOINTER'S KIT - IN MILLS TOOL BACKPACK

A toolkit comprising the essential tools required for general fibre jointing & basic copper jointing applications. This version is supplied in a Mills Tool Backpack.

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

Kit comprises:

- Mills Tool Backpack
- 0.45l Sharps Bin
- 4 oz IPA Dispenser
- Longitudinal Stripper
- Cable Cutter 10.5mm
- Mills Stripper Fibre 1A
- 100 Pair Cutter
- Mills MasterClass1000V 3 Piece Plier Set
- Mills 6 In 1 Blown Fibre PreparationTool
- Ideal Loose Tube Stripper 3.5 - 5.5mm
- Ideal Fibre Stripper 6.5 - 14mm
- Mills Masterclass Fibre Optic Stripper 3 Hole
- Drop Fibre 36 Fibre Optic Stripper
- Mills Masterclass Cable Ringing Tool (4.5 - 25mm)

- 10" Tin Snips
- Mills Masterclass 1000V Screwdriver Set
- 8" Adjustable Wrench
- 1/2lb Cross Pein Hammer
- 1lb Cross Pein Hammer
- 10" Cold Chisel with Grip
- 6" Steel Rule
- Eco-Tools 5M Tape Measure
- LED Inspection Light
- Knife Pocket No. 2
- 6" Hand File
- Cable Scissors
- Junior Hacksaw
- 12" General Purpose Hacksaw
- Black PVC Tape
- Safety Spectacles
- Cable Tie Gun
- Sharpie Pen (PK 2)

PART NO.	DESCRIPTION
A10-6202	FIBRE JOINTER'S KIT - IN MILLS TOOL BACKPACK

FIBRE EQUIPMENT & TOOLING

Mills
EST. 1919

FIBRE SPLICER'S KIT No.1 - IN MILLS FIBRE TOOL BAG

A fibre splicer's toolkit designed to be used in association with a Fusion Splicer that features the essential products required for most splicing applications. This version of the Fusion Splicer's Toolkit No.1 is supplied in a Mills Fibre Tool Bag.

Kit comprises:

- Mills Fibre Tool Bag
- Sharpie Pen (PK 2)
- Mills LED Headtorch
- Kevlar Scissors
- Mills Masterclass 3-Way Fibre Stripper
- Spring Back Knife
- Fibre Ringing Tool
- Cutter Longitudinal 1A
- 125mm Straight Tweezer
- No1 x 75mm Pozidrive Screwdriver

- Slotted Screwdriver 100mm x 6mm
- Lint free Wipes Pack of 100
- Cable Cutter 10.5mm Capacity
- 0.30 Litre Sharps Box
- Bolle Safety Glasses (not laser protective)
- Mini Millslite Cree LED Zoom Lens Torch

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6193	SPLICER'S KIT No.1 - IN MILLS FIBRE BAG

FIBRE SPLICER'S KIT No.1 - IN MILLS TOOL ROLL

A fibre splicer's toolkit designed to be used in association with a Fusion Splicer that features the essential products required for most splicing applications. This version of the Fusion Splicer's Toolkit No.1 is supplied in a tool roll.

Kit comprises:

- Tool Roll
- Sharpie Pen (PK 2)
- Mills LED Headtorch
- Kevlar Scissors
- Mills Masterclass 3-Way Fibre Stripper
- Spring Back Knife
- Fibre Ringing Tool
- Cutter Longitudinal 1A
- 125mm Straight Tweezer
- No1 x 75mm Pozidrive Screwdriver
- Slotted Screwdriver 100mm x 6mm
- Lint free Wipes Pack of 100
- Cable Cutter 10.5mm Capacity
- 0.30 Litre Sharps Box
- Bolle Safety Glasses (not laser protective)
- Mini Millslite Cree LED Zoom Lens Torch

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6194	SPLICER'S KIT No.1 - IN MILLS TOOL ROLL

FIBRE SPLICER'S KIT No.1 - IN MILLS TOOL BACKPACK

A fibre splicer's toolkit designed to be used in association with a Fusion Splicer that features the essential products required for most splicing applications. This version of the Fusion Splicer's Toolkit No.1 is supplied in a Mills Tool Backpack and comprises:

Kit comprises:

- Mills Tool Backpack
- Sharpie Pen (PK 2)
- Mills LED Headtorch
- Kevlar Scissors
- Mills Masterclass 3-Way Fibre Stripper
- Spring Back Knife
- Fibre Ringing Tool
- Cutter Longitudinal 1A
- 125mm Straight Tweezer
- No1 x 75mm Pozidrive Screwdriver

- Slotted Screwdriver 100mm x 6mm
- Lint free Wipes Pack of 100
- Cable Cutter 10.5mm Capacity
- 0.30 Litre Sharps Box
- Bolle Safety Glasses (not laser protective)
- Mini Millslite Cree LED Zoom Lens Torch

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6079	SPLICER'S KIT No.1 - IN MILLS TOOL BACKPACK

FIBRE SPLICER'S KIT No.2 - IN MILLS EUROCASE

A comprehensive fibre splicer's toolkit designed to be used in association with a Fusion Splicer, and covering all the major tooling products required for most splicing applications. This variant of the Mills Fusion Splicers Toolkit No.2 is supplied in a Mills Eurocase.

Kit comprises:
- Mills Eurocase
- Mills Headtorch
- Kevlar Scissors
- Visual Fault Locator
- Mini Millslite Cree Led Zoom Lens Torch
- Mills Masterclass 3-Way Fibre Stripper
- Spring Back Knife
- Mills Cutter Longitudinal 1A
- Fibre Ringing Tool
- Metric Ball End Hex Key set
- 4oz IPA Dispenser
- No.0 x 60mm Pozidrive Screwdriver
- No.1 x 75mm Pozidrive Screwdriver
- Slotted Screwdriver 100mm x 6mm
- 9 Compartment Parts Box
- 160mm Combination Plier
- 150mm Side Cutting Plier
- Junior Hacksaw
- Eco-Tools 5M Tape Measure
- Cable Cutter Hand No 2
- Cable Cutter 10.5mm Capacity
- 0.3 Litre Sharps Bin
- 1.25mm CleanClicker
- 2.5mm CleanClicker
- Connector Cleaner
- Cleanwipes
- Cleanwipes Cube
- Bolle Safety Glasses (not laser protective)
- Sharpie Pen (PK 2)

*Contents may vary slightly, please visit millsltd.com for the latest listing.

PART NO.	DESCRIPTION
A10-6195	SPLICER'S KIT No.2 - IN MILLS EUROCASE

FIBRE SPLICER'S KIT No.2 - IN MILLS WIDE MOUTH TOOL BAG

A comprehensive fibre splicer's toolkit designed to be used in association with a Fusion Splicer, and covering all the major tooling products required for most splicing applications. This variant of the Mills Fusion Splicers Toolkit No.2 is supplied in a Mills Wide Mouth Tool Bag.

*Contents may vary slightly, please visit millsltd.com for the latest listing.

Kit comprises:
- Mills Wide Mouth Toolbag
- Mills Headtorch
- Kevlar Scissors
- Visual Fault Locator
- Mini Millslite Cree Led Zoom Lens Torch
- Mills Masterclass 3-Way Fibre Stripper
- Spring Back Knife
- Mills Cutter Longitudinal 1A
- Fibre Ringing Tool
- Metric Ball End Hex Key set
- 4oz IPA Dispenser
- No.0 x 60mm Pozidrive Screwdriver
- No.1 x 75mm Pozidrive Screwdriver
- Slotted Screwdriver 100mm x 6mm
- 9 Compartment Parts Box
- 160mm Combination Plier
- 150mm Side Cutting Plier
- Junior Hacksaw
- Eco-Tools 5M Tape Measure
- Cable Cutter Hand No 2
- Cable Cutter 10.5mm Capacity
- 0.3 Litre Sharps Bin
- 1.25mm CleanClicker
- 2.5mm CleanClicker
- Connector Cleaner
- Cleanwipes
- Cleanwipes Cube
- Bolle Safety Glasses (not laser protective)
- Sharpie Pen (PK 2)

PART NO.	DESCRIPTION
A10-6196	SPLICER'S KIT No.2 - IN MILLS TOOL BAG

FIBRE SPLICER'S KIT No.2 - IN STANLEY FATMAX WATERPROOF TOOLBOX

*Contents may vary slightly, please visit millsltd.com for the latest listing.

A comprehensive fibre splicer's toolkit designed to be used in association with a Fusion Splicer, and covering all the major tooling products required for most splicing applications. This variant of the Mills Fusion Splicers Toolkit No.2 is supplied in a Stanley Fatmax 23" waterproof toolbox.

Kit comprises:
- Stanley Fatmax Waterproof Toolbox
- Mills Headtorch
- Kevlar Scissors
- Visual Fault Locator
- Mini Millslite Cree Led Zoom Lens Torch
- Mills Masterclass 3-Way Fibre Stripper
- Spring Back Knife
- Mills Cutter Longitudinal 1A
- Fibre Ringing Tool
- Metric Ball End Hex Key set
- 4oz IPA Dispenser
- No.0 x 60mm Pozidrive Screwdriver
- No.1 x 75mm Pozidrive Screwdriver
- Slotted Screwdriver 100mm x 6mm
- 9 Compartment Parts Box
- 160mm Combination Plier
- 150mm Side Cutting Plier
- Junior Hacksaw
- Eco-Tools 5M Tape Measure
- Cable Cutter Hand No 2
- Cable Cutter 10.5mm Capacity
- 0.3 Litre Sharps Bin
- 1.25mm CleanClicker
- 2.5mm CleanClicker
- Connector Cleaner
- Cleanwipes
- Cleanwipes Cube
- Bolle Safety Glasses (not laser protective)
- Sharpie Pen (PK 2)

PART NO.	DESCRIPTION
A10-6197	SPLICER'S KIT No.2 - IN FATMAX TOOLBOX

FIBRE EQUIPMENT & TOOLING

MILLS FUSION SPLICERS TOOLKIT NO 3 IN TOOLCASE

The Mills Fusion Splicers Toolkit No 3 has been designed to include all the essential tools and cleaning products required for fusion splicing. This comprehensive 35 piece fibre toolkit is supplied in our Standard Technician Tool Case. The kit includes an essential and useful selection of high quality fibre preparation and hand tools, manufactured from high-grade chrome vanadium steel, ensuring they provide years of service.

Kit comprises:
• Mills Standard Technician Tool Case
• Mills Headtorch
• Mills Kevlar Scissors
• Visual Fault Locator
• Mini Millslite Cree LED Zoom Lens Torch
• Mills Masterclass 3-Way Fibre Stripper
• Spring Back Knife
• Mills Cutter Longitudinal 1A
• Mills Fibre Ringing Tool
• Mills Stripper Cable Sheath 5A
• Mills Fibre Stripper 1A
• Mills ULW Stripper
• Metric Ball End Hex Key set
• 4oz IPA Dispenser

• No.0 x 60mm Pozidrive Screwdriver
• No.1 x 75mm Pozidrive Screwdriver
• Slotted Screwdriver 100mm x 6mm
• 9 Compartment Parts Box
• Flush Cutters
• Mills 160mm Side Cutters
• Junior Hacksaw
• 5m Tape Measure
• Cable Cutter 10.5mm Capacity
• Mills Fibre Optic Cleaning Kit
• Bolle Safety Glasses (not laser protective)
• Twin Tip Sharpie Fine and Ultra Fine 12 Pack Black
• General Purpose 115mm Straight Tweezer

The kit also includes the Mills Fibre Optic Cleaning Kit covering an extensive selection of fibre cleaning for connector and ferrule cleaning.

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6203	MILLS FUSION SPLICERS TOOLKIT NO 3 IN TOOLCASE

MILLS FUSION SPLICERS TOOLKIT NO 3

The Mills Fusion Splicers Toolkit No 3 has been designed to include all the essential tools and cleaning products required for fusion splicing. This comprehensive 35 piece fibre toolkit is supplied in our Standard Tool Bag. The kit includes an essential and useful selection of high quality fibre preparation and hand tools, manufactured from high-grade chrome vanadium steel, ensuring they provide years of service.

Kit comprises:
• Mills Standard Toolbag
• Mills Headtorch
• Mills Kevlar Scissors
• Visual Fault Locator
• Mini Millslite Cree LED Zoom Lens Torch
• Mills Masterclass 3-Way Fibre Stripper
• Spring Back Knife
• Mills Cutter Longitudinal 1A
• Mills Fibre Ringing Tool
• Mills Stripper Cable Sheath 5A
• Mills Fibre Stripper 1A
• Mills ULW Stripper
• Metric Ball End Hex Key set
• 4oz IPA Dispenser

• No.0 x 60mm Pozidrive Screwdriver
• No.1 x 75mm Pozidrive Screwdriver
• Slotted Screwdriver 100mm x 6mm
• 9 Compartment Parts Box
• Flush Cutters
• Mills 160mm Side Cutters
• Junior Hacksaw
• 5m Tape Measure
• Cable Cutter 10.5mm Capacity
• Mills Fibre Optic Cleaning Kit
• Bolle Safety Glasses (not laser protective)
• Twin Tip Sharpie Fine and Ultra Fine 12 Pack Black
• General Purpose 115mm Straight Tweezer

The kit also includes the Mills Fibre Optic Cleaning Kit covering an extensive selection of fibre cleaning for connector and ferrule cleaning.

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6198	MILLS FUSION SPLICERS TOOLKIT NO 3

MILLS FUSION SPLICERS TOOLKIT NO 3 IN TOOLBOX

The Mills Fusion Splicers Toolkit No 3 has been designed to include all the essential tools and cleaning products required for fusion splicing. This comprehensive 35 piece fibre toolkit is supplied in a Stanley FatMax Waterproof Toolbox. The kit includes an essential and useful selection of high quality fibre preparation and hand tools, manufactured from high-grade chrome vanadium steel, ensuring they provide years of service.

Kit comprises:
• Stanley FatMax Waterproof Toolbox 23inch
• Mills Headtorch
• Mills Kevlar Scissors
• Visual Fault Locator
• Mini Millslite Cree LED Zoom Lens Torch
• Mills Masterclass 3-Way Fibre Stripper
• Spring Back Knife
• Mills Cutter Longitudinal 1A
• Mills Fibre Ringing Tool
• Mills Stripper Cable Sheath 5A
• Mills Fibre Stripper 1A
• Mills ULW Stripper
• Metric Ball End Hex Key set
• 4oz IPA Dispenser

• No.0 x 60mm Pozidrive Screwdriver
• No.1 x 75mm Pozidrive Screwdriver
• Slotted Screwdriver 100mm x 6mm
• Compartment Parts Box
• Flush Cutters
• Mills 160mm Side Cutters
• Junior Hacksaw
• 5m Tape Measure
• Cable Cutter 10.5mm Capacity
• Mills Fibre Optic Cleaning Kit
• Bolle Safety Glasses (not laser protective)
• Twin Tip Sharpie Fine and Ultra Fine 12 Pack Black
• General Purpose 115mm Straight Tweezer

The kit also includes the Mills Fibre Optic Cleaning Kit covering an extensive selection of fibre cleaning for connector and ferrule cleaning.

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6204	MILLS FUSION SPLICERS TOOLKIT NO 3 IN TOOLBOX

JONARD TK-121B BACKPACK FIBRE PREPARATION KIT

Featuring the most popular slitting, ringing, stripping, and cutting tools, this Backpack Fiber Prep Kit+ provides a large range of tools needed to access and prepare fibre optic cables for termination.

This tool kit features the following:

Dimensions: 50.8 cm x 36.83 cm x 20.32 cm
Weight: 3.5kg

Kit comprises:

- Fibre Optic Stripper, Three Hole
- Wire & Kevlar® Cutting Shears
- Buffer Tube Ringer (up to 6 mm)
- Fibre Optic Drop Cable Slitter
- Mid Span Slit & Ring Tool (1.2 mm-3.3 mm)
- Round Cable Strip & Ring Tool
- High Leverage Diagonal Cutting Pliers, 8"
- 6-in-1 Multi-Bit Screwdriver with Phillips and…
- Long Nose and Side Cutting Pliers
- Fibre Wipes, Wet (Pack of 5)
- LED Flashlight with Zoom Lens
- Technician's Tool Bag Backpack

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.*

PART NO.	DESCRIPTION
S00-0020	JONARD TK-121B BACKPACK FIBRE PREPARATION KIT

JONARD TK179B ADVANCED BACKPACK FIBRE PREPARATION KIT

The Advanced Backpack Fibre Optic Prep Kit provides an array of tools needed to access and prepare a fibre optic cable for termination.

It includes a rugged backpack and a variety of tools for multiple applications such as stripping, ringing, cutting, cleaning, and preparation of fibre optic cable. This tool kit is ideal for any fibre optic technician.

This tool kit features the following:

Dimensions: (50.8 cm x 36.83 cm x 20.32 cm
Weight: 5.3kg

Kit comprises:

- Buffer Tube Ringer (up to 6 mm)
- Cable Slit & Ring Tool
- Round Cable Strip & Ring Tool
- Wire Stripper 10-22 AWG
- Wire & Kevlar® Cutting Shears
- High Leverage Diagonal Cutting Pliers, 8"
- Fibre Optic Stripper, Three Hole
- Long Nose and Side Cutting Pliers
- Ergonomic Cable Splicing Knife
- Microduct Tube Cutter
- Microduct Cutter
- Mid Span Slit & Ring Tool (1.2 mm-3.3 mm)
- Mid Span Slit & Ring Tool (2.9 mm-6.8 mm)
- Mid Span Slit & Ring Tool (5 mm-10 mm)
- Mid Span Slit & Ring Tool (5.8 mm-12 mm)
- 6-in-1 Multi-Bit Screwdriver
- LED Flashlight with Zoom Lens
- Insulated Probe Pick
- Technician's Tool Bag Backpack

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.*

PART NO.	DESCRIPTION
S00-0021	JONARD TK179B ADVANCED BACKPACK FIBRE PREPARATION KIT

JONARD TK199B ULTIMATE BACKPACK FIBRE PREPARATION KIT

Kit comprises:

- Buffer Tube Ringer (up to 6 mm)
- Cable Slit & Ring Tool
- Round Cable Strip & Ring Tool
- Wire Stripper 10-22 AWG
- Wire & Kevlar® Cutting Shears
- High Leverage Diagonal Cutting Pliers, 8"
- Fibre Optic Stripper, Three Hole
- Long Nose and Side Cutting Pliers
- Ergonomic Cable Splicing Knife
- Microduct Tube Cutter
- Large Fibre Duct Cutter
- Mid Span Slit & Ring Tool (1.2 mm-3.3 mm)
- Mid Span Slit & Ring Tool (2.9 mm-6.8 mm)
- Mid Span Slit & Ring Tool (5 mm-10 mm)
- Mid Span Slit & Ring Tool (5.8 mm-12 mm)
- Mid Span Slit & Ring Tool (9.8 mm-18.2 mm)
- 6-in-1 Multi-Bit Screwdriver
- LED Flashlight with Zoom Lens
- Fibre Optic Drop Cable Slitter
- COAX Cable Gripping Tool
- CableSaber™
- High Leverage Cable Cutter
- Ratcheting Duct and Cable Slitter
- Riser Slitting Tool
- Rugged Visual Fault Locator Kit
- Fibre Connector Cleaner, 1.25 mm
- Fibre Connector Cleaner, 2.5 mm
- Technician's Tool Bag Backpack

The Ultimate Backpack Fibre Prep Kit provides an array of tools needed to access and prepare a fibre optic cable for termination.

It includes a rugged backpack and a variety of tools for multiple applications such as stripping, ringing, cutting, cleaning, and preparation of fibre optic cable. This tool kit is ideal for any fibre optic technician.

This tool kit features the following:

Dimensions: 50.8 cm x 36.83 cm x 20.32 cm. Weight: 6.7kg

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.*

PART NO.	DESCRIPTION
S00-0022	JONARD TK199B ULTIMATE BACKPACK FIBRE PREPARATION KIT

JONARD TK-179 ADVANCED FIBRE OPTIC PREP KIT

The TK-179 Advanced Fibre Optic Prep Kit provides an array of tools needed to access and prepare a fibre optic cable for termination. It includes a carrying case and a variety of tools for multiple applications such as stripping, ringing, cutting, cleaning, and preparation of fiber optic cable. This tool kit is ideal for any fibre optic technician.

Dimensions: 25.4 x 28 x 20.3 cm.

Weight: 4.3kg

Kit comprises:
- Buffer Tube Ringer (up to 6 mm)
- Cable Slit & Ring Tool
- Round Cable Strip & Ring Tool
- Wire Stripper 10-22 AWG
- Wire & Kevlar® Cutting Shears
- High Leverage Diagonal Cutting Pliers, 8"
- Fiber Optic Stripper, Three Hole
- Long Nose and Side Cutting Pliers
- Ergonomic Cable Splicing Knife
- Microduct Tube Cutter
- Microduct Cutter
- Mid Span Slit & Ring Tool (1.2 mm-3.3 mm)
- Mid Span Slit & Ring Tool (2.9 mm-6.8 mm)
- Mid Span Slit & Ring Tool (5 mm-10 mm)
- Mid Span Slit & Ring Tool (5.8 mm-12 mm)
- 6-in-1 Multi-Bit Screwdriver with Phillips and…
- LED Flashlight with Zoom Lens
- Rugged 21 Pocket Tool Case
- Insulated Probe Pick

*Contents may vary slightly, please visit millsltd.com for the latest listing.

PART NO.	DESCRIPTION
C05-0040	JONARD TK-179 ADVANCED FIBRE OPTIC PREP KIT

JONARD TK-107B BACKPACK FIBRE OPTIC MID SPAN SLIT & RING TOOL KIT (1.2 MM-18.2 MM)

The TK-107B Backpack Fibre Optic Mid Span Slitting & Ringing Tool Kit features the most popular slitting, ringing, stripping, and cutting tools which provide easy access & prep into fibre optic cables and buffer tubes.

Dimensions: 50.8 cm x 36.83 cm x 20.32 cm

Weight: 3.5kg

Kit comprises:
- CableSaber™ Armored Cable Slitter
- Technician's Tool Bag Backpack
- Buffer Tube Ringer (up to 6 mm)
- Round Cable Strip & Ring Tool
- Fiber Optic Drop Cable Slitter
- Wire & Kevlar® Cutting Shears
- Fiber Optic Stripper, Three Hole
- Mid Span Slit & Ring Tool (1.2 mm-3.3 mm)
- Mid Span Slit & Ring Tool (2.9 mm-6.8 mm)
- Mid Span Slit & Ring Tool (5 mm-10 mm)
- Mid Span Slit & Ring Tool (7.9 mm-11 mm)
- Mid Span Slit & Ring Tool (5.8 mm-12 mm)
- Mid Span Slit & Ring Tool (8.7 mm-14.6 mm)
- Mid Span Slit & Ring Tool (9.8 mm-18.2 mm)
- Ratcheting Duct and Cable Slitter

*Contents may vary slightly, please visit millsltd.com for the latest listing.

PART NO.	DESCRIPTION
S00-0023	JONARD TK-107B BACKPACK FIBRE OPTIC MID SPAN SLIT & RING TOOL KIT (1.2 MM-18.2 MM)

JONARD TK-260 FIBRE DUCT KIT

The Fibre Duct Kit features Jonard's most popular slitting, ringing, and cutting tools. The TK-260 provides a large range of tools technicians need to access ducts for repairing or replacing fibre optic cables.

The cutters in this kit are designed to handle a broad range of duct sizes and wall thickness.

Dimensions: 25.4 x 28 x 20.3 cm

Weight: 3.6kg

Contents:
- MDC-14, Microduct Tube Cutter
- MDC-28, Microduct Cutter
- MDC-64, Large Fibre Duct Cutter
- RCS-30, Ratcheting Duct and Cable Slitter
- FS-1416, Thick-walled Microduct Scoring Tool, 5–16 mm
- TC-300, Tube Cutter 1/4" (6.3mm) -3" (76mm)
- H-90, Rugged 21 Pocket Tool Case

*Contents may vary slightly, please visit millsltd.com for the latest listing.

For our range of **Tempo Fibre Toolkits** please visit **millsltd.com**

PART NO.	DESCRIPTION
E00-0124	JONARD TK-260 FIBRE DUCT KIT

MILLS GPON INSTALLERS TOOLKIT

A Toolkit design with GPON Engineers to comprise all the essential tools required for Gigabit Passive Optical Network, increasingly being used in FTTH and FTTP networks.

Dimensions: L430mm x W245mm x H280mm

Weight 5.0kg

Kit comprises:
- Mills Standard Tool Bag E72-6119 Mills Insulated Micro Shear Flush Cutter 110mm
- OPT T0158 36f ULW OH Dropwire Cable Sheath Stripper
- Jonard FOD-2000 Fibre Optic SST COF250 Drop Cable Slitter (Slippery Fish)
- Jonard SST Slippery Fish Cable Slitter Replacement Blades Pk 10
- Fibre Tube Scoring Tool
- Mills Heavy Duty Side Cutter Diagonal 130mm
- Mills Ball End Hex Key Set 1.5 - 10mm
- Mills MasterClass Professional Screwdriver Pozi 250mm x No.2
- Mills Claw Hammer Glass Fibre Shaft 16oz
- 6" Mills Adjustable Wrench
- 12" Mills Adjustable Wrench
- Mills Heavy Duty Antibacterial Handwipes - Tub of 75
- 1/4" Drive ratchet with 13mm socket

PART NO.	DESCRIPTION
A10-4586	MILLS GPON INSTALLERS TOOLKIT

A) MILLS FIBRE SPLICER'S CLIP-ON HOLSTER KIT WITH PVC TAPE LANYARD

Mills Fibre Splicer's Clip-on Holster Kit with tape lanyard, contains all the essential tools required by the fibre splicer in one durable clip on holster pouch. In addition the sprung steel belt clip, can conveniently be quickly attached and detached to most belts.

The holster also has a 20mm D Ring to allow the PVC tape holder lanyard to be attached.

The full kit contains:
- 1 x Mills Splicers Clip-on Holster with Tape Lanyard
- 1 x Marker Pen
- 1 x Mills MasterClass 3 way fibre stripper
- 1 x Mills Fibre Stripper 1A
- 1 x Mills Kevlar Scissors
- 1 x Mills MasterClass Heavy Duty Diagonal Cutter 160mm

B) MILLS PVC TAPE LANYARD 6CM

25mm wide polyester strap with lightweight 6cm carabiner clip that can be fitted to most tool belts.

The strap conveniently holds most single or multiple reels of PVC or gaffer tape for quick and easy dispensing.

PART NO.	DESCRIPTION
B72-0055	A) MILLS FIBRE SPLICER'S CLIP-ON HOLSTER KIT WITH PVC TAPE LANYARD
B72-0057	B) MILLS PVC TAPE LANYARD 6CM

A) MILLS MASTERCLASS 3-WAY FIBRE OPTIC STRIPPER

Features high frequency heat treated / induction hardened cutting edges that ensure repeatable precision cutting & stripping to the very highest tolerances, whilst offering extreme durability.

The strippers further benefit from bi-material comfort grip handles for repetitive use.

The three stripping edges are ideal for general fibre installation and assembly work, covering the following applications:
- Stripping & removal of 2mm outer jacket
- Stripping 900µm buffer insulation
- Stripping 250µm acrylate coating

B) MILLS MASTERCLASS 5-WAY FIBRE OPTIC STRIPPER

Features high frequency heat treated / induction hardened cutting edges that ensure repeatable precision cutting & stripping to the very highest tolerances whilst offering extreme durability.

The strippers further benefit from bi-material comfort grip handles for repetitive use.

The five stripping edges are ideal for general fibre installation and assembly work, covering the following applications:
- Strips outer jacket from 2.0 – 2.4mm fibre
- Strips outer jacket from 2.8 – 3.0mm fibre
- Strips loose tube from 2.0 – 3.0mm fibre
- Strips 900µm buffer insulation
- Strips 250µm acrylate coating

C) MILLS MASTERCLASS SINGLE HOLE FIBRE STRIPPER

A classic 'contractor' single hole fibre stripper for stripping 250µm acrylate buffer coating from 125µm optical fibre. The stripper features high frequency heat treated / induction hardened cutting edges which ensure repeatable precision cutting and stripping to the very highest tolerances whilst offering extreme durability

The strippers further benefit from bi-material comfort grip handles for repetitive use.

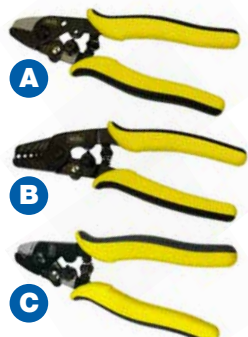| PART NO.	DESCRIPTION
E00-6170	A) MILLS MASTERCLASS 3-WAY FIBRE OPTIC STRIPPER
E00-6175	B) MILLS MASTERCLASS 5-WAY FIBRE OPTIC STRIPPER
E00-2530	C) MILLS MASTERCLASS SINGLE HOLE FIBRE STRIPPER

Mills EST.1919

A) MILLER CFS-1 SINGLE HOLE FIBRE OPTIC STRIPPER 250 µM

One-hole design efficiently strips 250µm buffer coating to expose the 125µm optical fiber in one compact tool.

All stripping surfaces are quality manufactured to precise tolerances to ensure clean, smooth strips with every use.

B) MILLER CFS-2 2 HOLE FIBRE OPTIC STRIPPER

Two hole design efficiently strips away the coating from the 125 micron bare fibre in one compact tool.

All stripping surfaces are quality manufactured to precise tolerances to ensure clean, smooth strips with every use.

C) MILLER CFS-3 3 HOLE FIBRE OPTIC STRIPPER

Three-hole design efficiently removes 1.6 mm to 3 mm fibre jackets & buffers down to the 125 micron bare fibre in one compact tool.

All stripping surfaces are quality manufactured to precise tolerances to ensure clean, smooth strips with every use.

PART NO.	DESCRIPTION
E00-0950	A) MILLER CFS-1 SINGLE HOLE FIBRE OPTIC STRIPPER 250 µM
E00-0985	B) MILLER CFS-2 2 HOLE FIBRE OPTIC STRIPPER
E00-0952	C) MILLER CFS-3 3 HOLE FIBRE OPTIC STRIPPER

A) MILLER CFS-1 SINGLE HOLE FIBRE OPTIC STRIPPER 250 µM

Ripley Miller 80677 three-hole model performs all common fibre stripping functions in one compact tool.

Three hole design efficiently removes 1.6 mm to 3 mm fibre jackets & buffers down to the 125 micron bare fibre in one compact tool that is factory-set & requires no adjustment
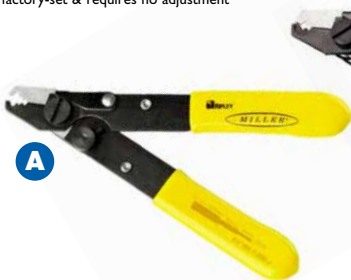
B) MILLER FO 103-D-J TWO HOLE FIBRE STRIPPER

Two hole design efficiently strips away the 1.6 to 3 mm jacket or 900 micron tight buffer & 250 micron buffer coating from the 125 micron bare fibre in one compact tool that is factory-set & does not require any adjustment.

C) MILLER FIBRE STRIPPER 10A

The industry standard original Miller 10A tool used for stripping 250µm buffer coating from 125µm optical fibre.

The Miller® FO 103 Series of fibre optic strippers is the only fibre stripper with stripping holes created by the wire EDM process, an exact and repeatable manufacturing process.

PART NO.	DESCRIPTION
E00-7712	A) MILLER FO 103-T-250-J TRI-HOLE STRIPPER
E00-0951	B) MILLER FO 103-D-J TWO HOLE FIBRE STRIPPER
E00-2021	C) MILLER FIBRE STRIPPER 10A

JONARD CSR-1575 FIBRE CABLE STRIP & RING TOOL

Designed to slit and ring cables, buffer tubes and jackets on fibre optic cables up to 7.5mm (0.3") in diameter. The tool features an easily adjustable slit blade and ring blade as well as a removable and reversible V block that improves slitting performance and accommodates smaller to larger diameter cables.

PART NO.	DESCRIPTION
E00-6414	JONARD CSR-1575 FIBRE CABLE STRIP & RING TOOL

MILLS FIBRE STRIPPER 1A

A compact fibre optic cable stripper for circumferential and longitudinal stripping. At just 73mm long this versatile stripper is ideal for stripping in confined spaces. The stripper uses two 'V' groove steps 0-3.2mm and 3mm- 6.4mm) making it suitable for circumferential and longitudinal stripping of most fibre optic cables including loose tube up to a maximum diameter of 6.4mm.

PART NO.	DESCRIPTION
E00-6912	MILLS FIBRE STRIPPER 1A
E00-4829	SPARE BLADES FOR MILLS FIBRE STRIPPER 1A PK 2

IDEAL MULTICORE FIBRE/COAX STRIPPER FOR 3.5-5.5MM

A precision clothes peg style stripper that is very compact and simple to use. The adjustable blades can be set for any depth to help ensure nick-free stripping on a variety of coaxial cables including twisted pair, tightly wrapped stranded cable, CATV, CB Antenna cable, SO, SJ, SJT with a diameter 3.2mm – 5.6mm (1/8" to 7/32). The stripper is supplied with one round and three straight blades. In addition the stripper can be used for circumferential and longitudinal stripping of fibre cables with a diameter of between 3.2mm – 5.5mm (1/8" to 7/32).

PART NO.	DESCRIPTION
E00-5878	MULTICORE FIBRE/COAX STRIPPER FOR 3.5-5.5MM

IDEAL MULTICORE FIBRE/COAX STRIPPER FOR 6.5-14MM

A precision clothes peg style stripper that is very compact and simple to use. The adjustable blades can be set for any depth to help ensure nick-free stripping on a variety of coaxial cables including twisted pair, tightly wrapped stranded cable, CATV, CB Antenna cable, SO, SJ, SJT with a diameter 6.35mm – 14.29mm (1/4" – 9/16"). The stripper is supplied with one round and three straight blades. In addition the stripper can be used for circumferential and longitudinal stripping of fibre cables with a diameter of between 6.35mm – 14.29mm (1/4" – 9/16").

PART NO.	DESCRIPTION
E00-7700	MULTICORE FIBRE/COAX STRIPPER FOR 6.5-14MM

IDEAL FIBRE/UTP/STP/COAX STRIPPER (5-8MM)

Stripper suitable for a range of cable types with an outside diameter of 5-8mm. Adjustable blades can be set for any depth to help ensure nick-free strips. Includes one round and three straight blades.

PART NO.	DESCRIPTION
E00-3035	IDEAL FIBRE/UTP/STP COAX STRIPPER

IDEAL STRIPPER FIBRE 1A (UP TO 3.2MM)

Most commonly used to remove the secondary coating from loose jacket optical fibres or RG174/179/187 coax. Features 3 blades, one located on each side of the unit and one at the front for slitting. Blades can be adjusted individually for the type of strip desired, termination or window. For use on cables up to 3.2mm outer diameter.

PART NO.	DESCRIPTION
E00-2018	IDEAL STRIPPER FIBRE 1A

MILLS MASTERCLASS STRIPPER CABLE SHEATH NO.5A

Mills Masterclass Stripper Cable Sheath No5A - Suitable for entering fibre or copper cable this is an exceptionally simple and robust stripper has capability to circumferentially and longitudinally strip sheath from cable 6-25mm.

Dimensions: 94 x 49 x 40mm

Colour – Yellow

Ref: 062670

PART NO.	DESCRIPTION
E00-6626	MILLS STRIPPER CABLE SHEATH NO.5A
E00-6627	SPARE BLADE FOR STRIPPER CABLE SHEATH NO.5A

MILLS MASTERCLASS CABLE RINGING TOOL

For fast stripping and removal of sheath from power and copper/fibre telecom round cables to a depth of 4.75mm (3/16").

A small rotating blade accurately splits the circumference of the jacket, then by flicking a switch, the same blade will rotate 90° and is used to split the jacket down one side for easy removal.

PART NO.	DESCRIPTION
E70-5001	MILLS MASTERCLASS CABLE RINGING TOOL
E70-5003	SPARE BLADE FOR CABLE RINGING TOOL

KABIFIX STRIPPER CABLE SHEATH NO.5

A stripping tool for circumferential and longitudinal stripping of cables up to a diameter of 28mm.

In addition the tool is ideal for gaining access to the microducts in subducts. Suitable for both copper and fibre applications.

PART NO.	DESCRIPTION
S83-0952	KABIFIX STRIPPER CABLE SHEATH NO.5

JONARD CABLE STRIPPER & RINGING TOOL

This Cable Sheath Stripper is used to ring-cut many types of tight buffer, loose tube buffer, breakout cables and other types of jacketed fibre cables. A slitting blade is built into the tool and can be used to slit open the cable sheath if needed. Depth of the cut has two adjustments for .018" or .031" thick plastic, rubber or fabric insulation, and can handle cable diameters from 1/8" to 3/8". One spare blade of each style is included with the tool. Also known as CT2860. Replacement stripping blades and ringing blades are also available.

PART NO.	DESCRIPTION
E00-6422	JONARD CABLE STRIPPER & RINGING TOOL
E00-4824	REPLACEMENT STRIPPER BLADES PK 6
E00-4825	REPLACEMENT RING BLADES PK 6

FIBRE EQUIPMENT & TOOLING

JONARD CST-1140 ROUND CABLE STRIP & RING TOOL FOR CABLES 4.5 - 29 MM

The CST-1140 Round Cable Strip & Ring Tool is designed for fast and precise removal of cable jackets from round cables that are 3/16" to 1 1/8" (4.5 mm-29 mm) in diameter.

PART NO.	DESCRIPTION
E00-6430	JONARD CST-1140 ROUND CABLE STRIP & RING TOOL FOR CABLES 4.5 - 29 MM
E00-0951	MILLER FO 103-D-J TWO HOLE FIBRE STRIPPER

MILLS KEVLAR SCISSORS

Lightweight scissors for cutting Kevlar® strength members found in fibre optic cables. The serrated scissor blades reduce slipping and the tool further benefits from ergonomic moulded handles.

Length: 140mm.

Weight: 79g.

Ref 080470.

PART NO.	DESCRIPTION
E00-5004	MILLS KEVLAR SCISSORS

JONARD KWC-700 MULTI-FUNCTION KEVLAR & WIRE CUTTING SHEARS 7"

Designed with serrated blades, large cutting notch, non-insulated terminal crimpers, and spring-loaded handles the Jonard Tools KWC-700 Multi-function Kevlar® & Wire Cutting Shears are the ultimate scissors for any fiber technician or electrician.

The round cutting notch cleanly cuts soft copper cable up to diameters of 60 mm² or soft metal wire with a diameter of 2 mm² The cutter also features a built-in terminal crimpers crimp non-insulated terminals for 22 - 14 AWG wire.

PART NO.	DESCRIPTION
E00-6432	JONARD KWC-700 MULTI-FUNCTION KEVLAR & WIRE CUTTING SHEARS 7"

OPT T0199 JUMPER CABLE SHEATH STRIPPER 3A

Longitudinal cable sheath stripper designed for 3mm fibre jumper cable.

PART NO.	DESCRIPTION
E00-1409	OPT T0199 JUMPER CABLE SHEATH STRIPPER 3A

MILLS MASTERCLASS CABLE SCISSORS 140MM

Specialist scissors for cutting copper cable, aluminium sheet, Kevlar® strength members found in fibre optic cables.

Formerly N70-7868.

PART NO.	DESCRIPTION
N70-0350	MILLS MASTERCLASS CABLE SCISSORS 140MM

JONARD JIC-190 FLUSH CUT KEVLAR CUTTER 150MM

The Jonard Tools JIC-190 Flush Cut Kevlar® Cutters are designed to cut Kevlar®, cabling insulation, tape, cable ties, and other materials flush to the surface.

Manufacturer's Reference: 81149001873.

PART NO.	DESCRIPTION
E00-1833	JONARD JIC-190 FLUSH CUT KEVLAR CUTTER 150MM

JONARD CABLESABER™

The CableSaber™ is a mid-span access to armoured or thick jacketed cables 4 mm-28.6 mm in diameter.

This mid-span cable slit and ring tool also features the following:

- Adjustable blade depth up to 5.5 mm
- Blade can be set to be longitudinal for slitting or radial for ringing
- For use on cables 4 mm-28.6 mm in diameter

Formerly E00-0636 / E00-0638

PART NO.	DESCRIPTION
E00-2851	JONARD CABLESABER™

JONARD AST-210 CABLESABER PLUS ARMOURED MID SPAN CABLE SLITTING TOOL 4 - 30 MM

The CableSaber+™ is ideal for gaining mid-span access to armoured or thick jacketed cables mm-30.0 mm in diameter, such as Corning's 1728 RocketRibbon® cable.

Features:

- Perfect mid-span cable slit and ring tool for use on Corning Optical's 144F - 1728F RocketRibbon® cables
- Adjustable blade depth up to 6.5
- Blade can be set to be longitudinal for slitting or radial for ringing
- For use on cables 4 mm-30.0 mm in diameter

PART NO.	DESCRIPTION
E00-0127	JONARD AST-210 CABLESABER PLUS ARMOURED MID SPAN CABLE SLITTING TOOL 4 - 30 MM

RIPLEY MILLER ACS+ CABLE SLITTER 4-28MM

Designed for use on armoured fibre feeder, central tube & stranded loose tube fibre optic cables, as well as various other non-fibre armoured cables, the ACS Plus easily cuts through the polyethylene jacket and corrugated copper, steel or aluminium armour layer in one smooth step for cable diameters from 0.157" to 1.125" (4 to 28.6 mm) in 0.004" (0.1mm) increments without any additional tools.

PART NO.	DESCRIPTION
E00-0983	RIPLEY MILLER ACS+ CABLE SLITTER
E00-0489	REPLACEMENT BLADE FOR ACS+ CABLE SLITTER

SACS SWA CABLE PREPARATION TOOL

The SACS Tool - Steel Wire Armoured Cable Stripping Tool designed to strip SWA cable 12-36mm diameter

Features:

- Strong & durable robust metal alloy body to withstand repeated use.
- High performance hardened steel alloy cutting wheel – for a perfect & clean cut every time.
- Multi-directional cut – cuts both longitudinally and circumferentially.
- Lightweight, compact & ergonomic design to be used in confined spaces.
- Tethering hole for lanyard to be used at heights without risk.
- Wide stripping capacity: 12-36mm diameter.

PART NO.	DESCRIPTION
E00-0128	SACS SWA CABLE PREPARATION TOOL
E00-0129	REPLACEMENT CUTTING WHEEL FOR E00-0128

MILLER STR STEEL TAPE REMOVER

Easily opens/separates the steel tape armour on fibre optic cable from 1-2mm. Its unique counter rotation mechanism opens steel tape armour in two and a half to three and a half turns allowing for cutting of the armour.

Features:

- Accommodates steel tape armour from 1-2 mm OD
- Neodymium rare earth magnet holds tool halves together making operation easy
- 38.1mm outside diameter fits comfortably in the hand

Dimensions: Diameter 38.5mm x 20.7mm

Weight: 250g

PART NO.	DESCRIPTION
E00-4294	MILLER STR STEEL TAPE REMOVER

FOR OUR RANGE OF FIBRE BLOWING LUBRICANTS & CLEANERS

SEE PAGES 128 -129

FIBRE EQUIPMENT & TOOLING

JONARD FIBRE OPTIC DROP CABLE SLITTER (SLIPPERY FISH)

Simplifies the slitting of drop cable jackets at the end of the cable or mid-span. Developed specifically for FTTH technicians working with flat fibre drop cables. For flat cables, where the width is .305"-.350" and the height is .155"-.185". These are the dimensions of a typical Corning SST-Drop flat cable with a jacket thickness of 0.03-0.04 inches.
The tool will work on other cables with similar dimensions.

It slits both sides of the jacket giving easy access to the fibre or strength member. Simply position the tool around the cable, pull and slit. A simple twist of the cable allows the jacket and strength members to separate from the buffer tube leaving the fibre undamaged.

PART NO.	DESCRIPTION
C00-6785	JONARD SLIPPERY FISH CABLE SLITTER
C00-6786	REPLACEMENT BLADES (PK 10)

MILLER MB04 SERIES FTTX DROP CABLE SLITTERS

Patent-pending design slits both sides of FTTX drop cable jackets on end or mid-span applications and allows for precise, safe and easy access to fibre buffer tube. Its unique articulating hinge allows accurate end and mid-span stripping without disassembling the tool - simply close the tool over the cable and pull to slit jacket. Includes two installed reversible blades and two additional spare blades stowed conveniently in the tool.

A) Flat Drop Cable Slitter compatibility: CommScope®, Corning, Draka/Comteq, OFS, Prysmian, Superior Essex

B) FTTX 36F Drop Cable Slitter compatibility: 11mm diameter cables from Corning, OFS, Prysmian, Hexatronic, Sterlite

PART NO.	DESCRIPTION
C00-7681	A) MB04 FLAT SST DROP FIBRE SLITTER
E00-1530	B) MB04 FTTX 36F ULW OH DROP FIBRE SLITTER
C00-4356	REPLACEMENT BLADES (PK 4)

JONARD FOR-3000 ROUND FIBRE CABLE SLITTER

Round Cable Slitter is designed to easily and safely open round fibre optic cable jackets from 9 to 19 mm in diameter;

providing easy fibre access for both mid span and end of cables.

Works on light armoured cables with easily replaceable with replacement blade E00-0976.

PART NO.	DESCRIPTION
E00-0958	JONARD FOR-3000 ROUND FIBRE CABLE SLITTER
E00-0976	SPARE BLADE FOR JONARD FOR-3000 (PK 2)

JONARD WSS-4625 WEB SLITTER & SHAVING TOOL

Designed to slit and shave the webbing off messengered hardline COAX cables and figure 8 fibre cables, ranging from 0.400"-0.625" (10.2 mm-15.9 mm) in diameter. Adjustment knob for the shaver tightens down cables for close shaving.

Locking mechanism provides increased leverage to easily penetrate thick webbing with shaving blade to remove excess webbing and provide a smooth surface for cable termination.

PART NO.	DESCRIPTION
E00-1851	JONARD WSS-4625 WEB SLITTER & SHAVING TOOL

DROP CABLE, DROP FIBRE, DROPWIRE

The ideal tool for the fast and safe removal of the outer sheath for dropfibre cables. Lightweight, one piece moulded body with totally enclosed blades ensure a safe single handed push-on then pull-off operation in any working environment. The precisely calibrated blades guarantee no damage to the internal optical fibres or conductors. This tool is also factory set, therefore no adjustments are needed and it is ready to use out of the box. Available in 3 cable options;

A) E68-4672 Hybrid Drop cable CW1846

B) E68-6809 Optical Drop Fibre 12F

C) E68-5487 Copper Dropwire 10A,11,12 & CAD55

PART NO.	DESCRIPTION
E68-4672	A) HYBRID OVERHEAD DROP CABLE CW1846
E68-6809	B) DROP FIBRE 12F FIBRE OPTIC STRIPPER
E68-5487	C) STRIPPER DROPWIRE 10A

TEMPO TCDCS DROP CABLE STRIPPER

The Tempo TCDCS Drop Cable Stripper strips and midspan slits Drop Cable from 7.9mm to 8.3mm.

- Compact and rugged construction
- Easy secure operation for quick stripping
- Strips 8.1mm drop cables
- Provides midspan slit operation for 8.1mm drop cables

PART NO.	DESCRIPTION
C00-4139	TEMPO TCDCS DROP CABLE STRIPPER

MILLS LOOSE TUBE SCORING STRIPPER 1.1MM TO 6.0MM

The Mills Loose Tube Stripper is the ideal tool for quick no nick removal of fibre buffer from Ø 1.1 mm to Ø 6 mm with wall thicknesses from 0.2 mm to 0.5 mm.

The tool needs no adjustment, has a durable blade and provides long lasting, consistent results.

PART NO.	DESCRIPTION
E00-1150	MILLS LOOSE TUBE SCORING STRIPPER 1.1MM TO 6.0MM

MILLS LONGITUDINAL FIBRE SHEATH SLITTER STRIPPER 4.5MM TO 11MM

Compact longitudinal fibre sheath slitter stripper designed to strip sheath or buffer tubes from fibre cables ranging in size from 4.5mm to 11mm diameter. This tool is designed with 5 precision grooves which are conveniently identified on the top of the tool.

PART NO.	DESCRIPTION
E00-0135	MILLS LONGITUDINAL FIBRE SHEATH SLITTER STRIPPER 4.5MM TO 11MM

SLITTER MID SPAN FIBRE ACCESS STRIPPER

'The Slitter', Mid Span Fibre Access Stripper 1.5- 3.3mm- A simple and effective longitudinal fibre sheath stripper tool for easy removal of the outer sheath of most fibres including loose tube with a diameter of 1.5mm to 3.3mm. Once the fibre has been placed in one of the 4 preset grooves, (1.5-1.9mm, 2.0-2.4mm, 2.5 -2.9mm and 3.0-3.3mm) the 'Slitter' can simply be pulled along the its length, slitting the outer sheath into two halves.

PART NO.	DESCRIPTION
E00-6625	SLITTER MID SPAN FIBRE ACCESS STRIPPER

FIBRE EQUIPMENT & TOOLING

A) MILLS STRIPMATE ULW DROP FIBRE CABLE STRIPPER

The Mills Stripmate is a PATENTED stripping tool designed for longitudinal stripping of 24F, 36F and 48F ultra-lightweight (ULW) 7mm fibre cable. The Stripmate is a compact clasp style stripper which clamps and securely locks around the cable. The stripper benefits from a yellow/black guideline, which when lined up with the yellow line on the ULW cable ensures the stripping blades do not touch the integral metal strength members. The Stripmate utilises specialist semi circular profiled blades in quickly replaceable cartridges. One set of blades can typically strip over >700m of cable.

Product dimensions:
64.3 x 45.2 x 40.9 mm (2.53" x 1.78" x 1.61")

Product weight: 72.6 g (0.16 lb)

**B) Replacement blade cartridge:
Part number E00-3834**

C) MILLS GRIP N STRIP ULW DROP FIBRE STRIPPER

The Mills Grip n Strip is an ergonomically designed low cost longitudinal fibre sheath stripper utilising a cutting wheel design that gives over 700 one metre strips.

As the name suggests, the GripnStrip easily fits into the hand and once clamped around the cable, gives perfect and effortless strips every time. The precisely calibrated cutting wheels are factory set guaranteeing no damage to the fibre. Replacement cartridges are available separately

Designed for use on 7mm Ultra Lightweight Cable (24, 36,48 and 96 ULW) and has yellow/black alignment markings to prevent the operator cutting into the strength members.

Dimensions:
Length 84mm with a handle width of 100mm.

**D) Replacement blade cartridge:
Part number E00- 3301**

E) MILLS GRIP N STRIP SST FIBRE STRIPPER

The Mills Grip n Strip is an ergonomically designed low cost longitudinal fibre sheath stripper utilising a cutting wheel design that gives over 700 one metre strips.

As the name suggests, the GripnStrip easily fits into the hand and once clamped around the cable, gives perfect and effortless strips every time. The precisely calibrated cutting wheels are factory set guaranteeing no damage to the fibre. Replacement cartridges are available separately

For use on SST (Slippery Fish) fibre cables.

Dimensions:
Length 84mm with a handle width of 100mm.

**F) Replacement blade cartridge:
Part number E00- 3303**

PART NO.	DESCRIPTION
E00-3819	A) MILLS STRIPMATE ULW DROP FIBRE CABLE STRIPPER
E00-3834	B) SPARE BLADE CARTRIDGE FOR MILLS STRIPMATE ULW DROP FIBRE CABLE STRIPPER
E00-3300	C) MILLS GRIP N STRIP ULW DROP FIBRE STRIPPER
E00-3301	D) REPLACEMENT CARTRIDGE FOR MILLS GRIP N STRIP ULW DROP FIBRE
E00-3302	E) MILLS GRIP N STRIP SST FIBRE STRIPPER
E00-3303	F) REPLACEMENT CARTRIDGE FOR MILLS GRIP N STRIP SST FIBRE STRIPPER

Mills
EST. 1919

JONARD MID SPAN STRIPPERS

These PATENTED slit and ring tools are designed to open fibre jackets and loose buffer tubes to provide easy fibre access. One side of the tool slits fibre jackets and loose buffer tubes, the opposite side rings fibre jackets and loose buffer tubes. All this is done without damage to the fibre. Blades are replaceable. Note: MS-326 is designed for cables used in ducts and microducts.

Simple to use:

1 Select the correct groove. Grooves marked with the recommended cable size
2 Place the cable in the groove to be used
3 Note: The arrow on the top of the tool indicates the pulling direction and the line indicates the blade location
4 Close the tool making sure lock is engaged and pull to slit the cable
5 For ring operation use ring side of tool and repeat steps above, instead of pulling rotate the tool 3-6 times to ring the cable

PART NO.	A) E00-3608 (MS526)	B) E00-0962 (MS-426)	C) E00-3609 (MS336)	D) E00-7630 (MS326)	E) E00-3613 (MS316)	F) E00-3614 (MS306)	G) E00-6427 (MS26)	H) E00-6426 (MS6)
DESCRIPTION	MID SPAN SLIT & RING TOOL (9.8 MM-18.2MM)	MID SPAN SLIT & RING TOOL (5.8 MM-12 MM)	MID SPAN SLIT & RING TOOL (7.9-8.2 & 10.7-11.0 MM)	MID SPAN SLIT & RING TOOL (5 MM-10 MM)	MID SPAN SLIT & RING TOOL (2.9 MM-6.8 MM)	MID SPAN SLIT & RING TOOL (1.2 MM-3.3 MM)	MID SPAN SLITTER (2.9 MM-6.8 MM)	MID SPAN SLITTER (1.2 MM-3.3 MM)
NO OF GROOVES	8 (4 SLITTING, 4 RINGING)	8 (4 SLITTING, 4 RINGING)	4 (2 SLITTING, 2 RINGING)	10 (5 SLITTING, 5 RINGING)	10 (5 SLITTING, 5 RINGING)	12 (6 SLITTING, 6 RINGING)	5	6
GROOOVE SIZES	9.8-10.2 MM, 11.8-12.2 MM, 15.4-15.8MM, 17.8-18.2 MM	5.8-6.4 MM, 7.8-8.4MM, 9.8-10.4 MM 11.2-12 MM	7.9-8.2 MM, 10.7-11.0 MM	5.0-5.6 MM, 6.0-6.6MM, 7.2-7.8 MM, 7.8-8.4 MM, 9.4-10 MM	2.9-3.6 MM, 3.6-4.4MM, 4.4-5.2 MM, 5.2-6.0 MM, 6.0-6.8 MM	1.2-1.5 MM, 1.5-1.8MM, 1.8-2.1 MM, 2.1-2.5 MM, 2.5-2.9MM, 2.9-3.3 MM	2.9-3.6 MM, 3.6-4.4 MM, 4.4-5.2 MM, 5.2-6.0 MM, 6.0-6.8MM	1.2-1.5 MM, 1.5-1.8 MM, 1.8-2.1 MM, 2.1-2.5 MM, 2.5-2.9 MM, 2.9-3.3 MM
CABLE DIAMETERS	9.8 MM-18.2 MM	5.8 MM-12 MM	7.9 MM & 10.7 MM	5 MM-10 MM	2.9 MM-6.8 MM	1.2 MM-3.3 MM	2.9 MM-6.8 MM	1.2 MM-3.3 MM
CABLE TYPES	CORNING ALTOS® WITH FASTACCESS®	THICK-WALLED JACKETS (UP TO 2.0 MM THICK)	CORNING'S MINIXTEND HD 288 AND 432	THIN-WALLED JACKETS	OUTER JACKETS, LOOSE BUFFER TUBES	OUTER JACKETS, LOOSE BUFFER TUBES	OUTER JACKETS, LOOSE BUFFER TUBES	OUTER JACKETS, LOOSE BUFFER TUBES

REPLACEMENT BLADE	E00-3615 (MS-526RB)	E00-0974 (MS-426RB)	E00-3616 (MS-336RB)	E00-7633 (MS-326RB)	E00-3669 (MS-316)	E00-3672 (MS306RB)	E00-4826 (MS6427RB)	E00-6423 (MS6-RB)
DESCRIPTION	REPLACEMENT BLADES FOR MS-526	REPLACEMENT BLADES FOR MS-426	REPLACEMENT BLADE SET FOR MS-336	REPLACEMENT BLADES FOR MS-326	REPLACEMENT BLADES FOR MS-316	REPLACEMENT BLADES FOR MS-306	REPLACEMENT BLADES FOR MS-26	REPLACEMENT BLADES FOR MS-6

JONARD MS-600 MID SPAN SHAVING TOOL

The MS-600 Mid Span Shaving Tool is designed to provide easy access to optical fibre in outer jackets and loose buffer tubes.

Consists of 6 precision slitting groove sizes: 1.0-1.4 mm | 1.4-1.8 mm | 1.8-2.1 mm | 2.1-2.5 mm | 2.5-2.9 mm | 2.9-3.3 mm and can make up to 5000 shaves form 1 set of blades.

PART NO.	DESCRIPTION
E00-6428	JONARD MS-600 MID SPAN SHAVING TOOL
E00-6429	REPLACEMENT BLADE SET FOR JONARD MS-600 MID SPAN SHAVING TOOL

JONARD RRS-1222 ROCKETRIBBON CABLE SHAVING TOOL, 12 - 22 MM

Designed to shave thick jacketed cable, such as Corning's armoured and non-armoured RocketRibbon® cable, this tool is perfect for making access windows on cables 12 - 22 mm in diameter.

PART NO.	DESCRIPTION
E00-0115	JONARD RRS-1222 ROCKETRIBBON CABLE SHAVING TOOL, 12 - 22 MM

JONARD RFS-100 ROLLABLE RIBBON FIBRE SEPARATOR

Designed for use on Rollable or Spyder type ribbon fibre optic cables, this tool is perfect for separating the matrix of fibres in ribbon fibre optic cables quickly and easily.

Features:

Can be used on Rollable or Spyder type ribbon fibre optic cables that contain up to 24 optical fibres each

Coil spring applies a set amount of pressure, keeping the fibres safe while being separated.

Compact lightweight design is perfect for storage or on-the-go use

Length: 104mm.

PART NO.	DESCRIPTION
E00-0140	JONARD RFS-100 ROLLABLE RIBBON FIBRE SEPARATOR

JONARD RST-8514 RISER SLITTING TOOL

The RST-8514 is a mid-span slitting tool used to create access in round FTTH riser cables as well as microducts. It works with 8.5mm to 14mm round cables. Easy to use:

1. Press the tool against the cable to be accessed.
2. Grip the tool and the cable firmly in one hand and pull. Blade is easily replaced.

Cut Type: Slit

Cable Type: FTTH

Riser Cable Diameter: 8.5-14 mm

Dimensions 4" x 1.5" x .625" (101.6mm x 38.1mm x 15.8mm)

Weight 0.201 lbs (91.17g)

UPC No. 811490017528

Order replacement part number E00-7634 for package of 25 replacement blades.

PART NO.	DESCRIPTION
E00-7631	JONARD RST-8514 RISER SLITTING TOOL
E00-7634	JONARD RST-RB25 RISER SLITTING & SHAVING TOOL REPLACEMENT BLADES PK25

JONARD WST-225 WINDOW SHAVING TOOL

Designed to shave a longitudinal access window in round FTTH riser cables and microducts for mid-span access. This riser slitting tool is perfect for making access windows on cables 8.5mm to 14 mm in diameter without damaging the fibre inside. Blade requires no adjustments when working with different diameter cables

Dimensions:
30 mm x 145 mm x 111 mm

PART NO.	DESCRIPTION
E00-0126	JONARD WST-225 WINDOW SHAVING TOOL

FOR PRYSMIAN COMPACT MDU RISER BOXES

SEE PAGE 32

FIBRE EQUIPMENT & TOOLING

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MILLER MSAT-X DUAL CHANNEL FIBRE ACCESS TOOL

A versatile shaving tool designed to gain mid-span access to bare or buffered fibre found in a variety of MDU and FTTx jacketed cables. Equipped with a unique spring-loaded plate and dual stripping channels, the patent-pending design enables engineers to load 1.9 to 5 mm diameter cables into the same cutting blade without a sizing gauge.

PART NO.	DESCRIPTION
E00-0986	MILLER MSAT-X DUAL CHANNEL FIBRE ACCESS TOOL

RIPLEY MILLER MSAT 16 MID SPAN ACCESS TOOL

The new MSAT® 16, designed to easily size and access fibres in loose tube cables ranging from 1 to 3 mm diameters in mid-span applications.

- 16 unique diameter settings accommodate loose tubes ranging from 1 mm to 3 mm.
- Convenient built-in sizing channels quickly determine proper setting for a wide variety of loose tube cables.
- It's self-aligning, easy-to-load buffer tube channel supports & guides the tube through precision shaving operation.
- Fixed stainless steel blades require no adjustments and are replaced easily.

PART NO.	DESCRIPTION
E00-7241	RIPLEY MILLER MSAT 16 MID SPAN ACCESS TOOL
E00-3701	REPLACEMENT BLADES FOR MSAT 16

MILLER MSAT SERIES 3-CHANNEL MID-SPAN FIBRE ACCESS TOOL

A mid span access tools that quickly and easily access fibres in 2mm, 2.5mm and 3mm buffer tubes in a mid-span location without damage to fibre.

No blade adjustment is necessary, as the factory precisely mounts the blades in the tube slitting channels, resulting in consistent and accurate slitting.

PART NO.	DESCRIPTION
E00-0133	MILLER MSAT SERIES 3-CHANNEL MID-SPAN FIBRE ACCESS TOOL

RIPLEY MILLER FIBRE TUBE SCORING TOOL

A uniquely designed precise one-step buffer tube scorer that scores tube sizes from 1.6mm to 6.0mm. Factory pre-fixed steel blade means no adjustment required.

PART NO.	DESCRIPTION
E00-4743	FIBRE TUBE SCORING TOOL

RIPLEY MILLER MID-SPAN ACCESS TOOL FOR 5 SIZES

Features 5 cable slots: 1.9, 2.2, 2.5, 2.7, 3 mm.

Allows easy mid-span (window cut) access to optical fibres in loose buffer tubes.

Shaves precise opening to prevent fibre damage.
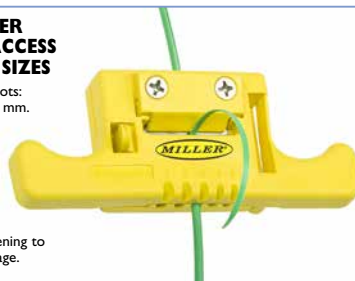
PART NO.	DESCRIPTION
E00-4986	MID-SPAN ACCESS TOOL 5 SIZE
E00-4987	SPARE BLADES (PK5)

RIPLEY MILLER MSAT MID SPAN ACCESS KIT

A convenient kit for the fibre technician requiring mid-span access on fibres.

The complete kit comprises:
- FO 103S Series Fibre Optic Stripper
- KS-1 Series Fibre Optic Kevlar® Shears
- RCS-114 Series Cable Strippers For Hard Cable Jackets
- MSAT® 5 Series Mid-Span Fibre Access Tool
- MSAT® Micro Series Tool Body with 1.2 mm, 1.4 mm, 1.6 mm & 1.8 mm MSAT® Micro Inserts

PART NO.	DESCRIPTION
E00-7415	RIPLEY MSAT MID-SPAN ACCESS KIT

RIPLEY MILLER RBT RISER BREAK-OUT TOOL

The Miller RBT Riser Break-out Tool is designed to cut an access window in 8.5mm, 10.5mm, and 14mm riser cable jackets without adjustment.

- Compact & lightweight tool designed to shave a longitudinal break-out window in riser cable in FTTH-MDU (multiple dwelling units) applications without damaging the fibre
- Features a narrow aluminum body to easily access closely spaced & surface-mounted riser cables
- Factory-set, high-carbon steel blade is recessed to prevent injury
- Fits into small areas for closely packed riser cables

PART NO.	DESCRIPTION
E00-4536	MILLER RBT RISER BREAK-OUT TOOL

A) MILLER MB02 SERIES ALL PURPOSE CABLE SLITTER KIT

Multi-purpose precision slitter with a modular tray design, for use with a variety of various fibre cables

Utilising the MB02 precision cable slitter platform, there is a large range of cartridges available to accurate ring and longitudinal cuts on fibre cables up to 20.00mm making it the only tool you need for cutting and slitting cable.

The colour coded cutting cartridges are easily swapped into the MB02 tool holder with no adjustments needed

Contents:

All Purpose Cable Slitter Tool

Carrying Case

Tray Insert Sets Green Series 8-11mm, 1.0-3.0 deep (9 sets)

Tray Insert Sets Red Series 11-14mm, 1.0-3.0 deep (9 sets)

Ripley Miller Part No: MB02-7010

The MB02 Tool holder and all cartridges are available separately

B) MILLER MB02-7005 ALL PURPOSE CABLE SLITTER TOOL ONLY WITH POUCH

PART NO.	DESCRIPTION
E00-1151	A) MILLER MB02 SERIES ALL PURPOSE CABLE SLITTER KIT
E00-0457	B) MILLER MB02-7005 ALL PURPOSE CABLE SLITTER TOOL ONLY WITH POUCH

MILLER CARTRIDGE SETS FOR COF800

A) For COF800 Fujikura 144/288 / Sterlite 144/288 IBR ribbon fibre cables

B) For COF800 (Fujikura 432/864F Ribbon)

C) For COF800 (Fujikura 432F Ribbon)

PART NO.	DESCRIPTION
E00-0455	A) MILLER MB02-7-1055300 CARTRIDGE SET FOR COF800 (FUJIKURA / STERLITE 144/288 RIBBON)
E00-0456	B) MILLER MB02-7-1450300 CARTRIDGE SET FOR COF800 (FUJIKURA 432/864 RIBBON)
E00-4747	C) MILLER MB02-7-1195315 CARTRIDGE SET FOR COF800 (FUJIKURA 432F RIBBON)

MILLER GREEN CARTRIDGE SETS

A) 2.00mm for 8-11mm Cable

B) 2.25mm for 8-11mm Cable

PART NO.	DESCRIPTION
E00-0458	A) MILLER MB02-7-1100200 GREEN CARTRIDGE SET 2.00MM FOR 8-11MM CABLE (FUJ 96/144/288)
E00-0459	B) MILLER MB02-7-1100225 GREEN CARTRIDGE SET 2.25MM FOR 8-11MM CABLE (FUJ-432 & STL-96-IBR)

MILLER RED CARTRIDGE SET

Red Cartridge Set 2.25mm for 11-14mm Cable (FUJ 576 & STL 432/576 IBR).

PART NO.	DESCRIPTION
E00-0460	MILLER MB02-7-1400225 RED CARTRIDGE SET 2.25MM FOR 11-14MM CABLE (FUJ 576 & STL 432/576 IBR)

MILLER JEWEL CARTRIDGE SETS

A) Blue Jewel Cartridge Set - 0.4mm Depth

B) Clear Jewel Cartridge Set - 0.5mm Depth

C) Red Jewel Cartridge Set - 0.6mm Depth

PART NO.	DESCRIPTION
E00-5103	MILLER MB02-7-1200040 BLUE JEWEL CARTRIDGE SET - 0.4MM DEPTH
E00-5104	MILLER MB02-7-1200050 CLEAR JEWEL CARTRIDGE SET - 0.5MM DEPTH
E00-5105	MILLER MB02-7-1200060 RED JEWEL CARTRIDGE SET - 0.6MM DEPTH

FIBRE EQUIPMENT & TOOLING

OPT T0183 12F SLIPPERY FISH SST COF250 DROPWIRE CABLE SELF RODDING STRIPPER

This stripper has a profiled cassette that makes two longitudinal parallel slits in the sheath on one side of a COF250, SST Drop Cable or 12f Flat Drop Wire Cable (typically as supplied by Corning).

Features:

• Anodised aluminium components
• Hard wearing glass filled plastic outer
• User interchangeable cassette
• Wrist strap for safety working at height

Dimensions: 210 x 67 x 34mm
Weight: 350g

PART NO.	DESCRIPTION
E00-7200	A) OPT T0183 12F SLIPPERY FISH SST COF250 STRIPPER
E00-7201	B) REPLACEMENT CARTRIDGE FOR 12F SLIPPERY FISH STRIPPER

OPT T0166 36F ULW DROPWIRE 1.5 MM SHEATH STRIPPER

The stripper has a profiled cassette that slits the sheath on a 36f Ultra-LightWeight (ULW) Overhead Dropwire Cable - 7 mm diameter with a 1.5 mm sheath wall thickness (typically as supplied by OFS).

Features:

• Anodised aluminium components
• Hard wearing glass filled plastic outer
• User interchangeable cassette
• Wrist strap for safety working at height

Dimensions: 210 x 67 x 34mm
Weight: 350g

PART NO.	DESCRIPTION
E00-7195	A) OPT T0166 36F ULW DROPWIRE STRIPPER
E00-7196	B) REPLACEMENT CASSETTE FOR OPT T0166 STRIPPER

OPT T0162 BFD/Cu DROPWIRE CABLE WEB SEPARATOR

TOPT Blown Fibre Droptube Copper Hybrid Cable Web Separator. Designed specifically to separate the web joining a 6mm x 2.7mm Blown Fibre Overhead Drop Wire to a cable consisting of 2 x 0.4mm twisted pair copper conductors in a 'figure of eight' construction.

The tool separates the web joining the Blown Fibre Droptube (BFD) and copper element (containing a twisted pair).

Features:

• Anodised aluminium components
• Hard wearing glass filled plastic outer
• User interchangeable cassette
• Wrist strap for safety working at height

Dimensions: 210 x 67 x 34mm
Weight: 350g

PART NO.	DESCRIPTION
E00-5753	A) OPT T0162 BFD/Cu DROPWIRE WEB SEPARATOR
E00-1416	B) REPLACEMENT CARTRIDGE FOR OPT T0162 SEPARATOR

OPT T0159 4/12F OVERHEAD DROP CABLE SHEATH STRIPPER

This stripper has a profiled cassette that that slits the sheath on a 4/12f Overhead Dropcable - 6mm diameter with a 2mm sheath wall thickness (typically as supplied by Prysmian).

Features:

• Anodised aluminium components
• Hard wearing glass filled plastic outer
• User interchangeable cassette
• Wrist strap for safety working at height

Dimensions: 210 x 67 x 34mm
Weight: 350g

PART NO.	DESCRIPTION
E00-1417	A) OPT T0159 4/12F OVERHEAD DROP CABLE STRIPPER
E00-1418	B) REPLACEMENT CARTRIDGE FOR OPT T0159 4/12F STRIPPER

OPT T0158 36F COF215 ULW OH STRIPPER

The OPT 36f COF215 Ultra-Lightweight Overhead Sheath Stripper is used to remove the sheath from 36f Ultra-Lightweight Over Head Drop Wire Cable.

It features a profiled cassette that slits the sheath on a 36f Ultra-LightWeight (ULW) Overhead Cable - 7 mm diameter with a 2 mm sheath wall thickness (typically as supplied by Prysmian).

Features:

• Anodised aluminium components
• Hard wearing glass filled plastic outer
• User interchangeable cassette
• Wrist strap for safety working at height

Dimensions: 210 x 67 x 34mm
Weight: 350g

PART NO.	DESCRIPTION
E00-5751	A) OPTT0158 36F COF215 ULW OH STRIPPER
E00-1414	B) REPLACEMENT CASSETTE FOR OPT T0158 STRIPPER

OPT T0266 8F MINI FLAT DROP SHEATH STRIPPER

For slitting the sheath on a Corning 8F mini flat drop cable.

Features:

• Anodised aluminium components
• Hard wearing glass filled plastic outer
• User interchangeable cassette
• Wrist strap for safety working at height

Dimensions: 210 x 67 x 34mm
Weight: 350g

PART NO.	DESCRIPTION
E00-3250	A) OPT T0266 8F MINI FLAT DROP SHEATH STRIPPER
E00-3251	B) OPT T0267 REPLACEMENT CARTRIDGE FOR E00-3250

A) OPT T0160 PRYSMIAN 36F & 4F / 12F SLITTER STRIPPER

Slits the sheath on a 36f Ultra-LightWeight (ULW) Overhead Cable
- 7mm diameter with a 2mm sheath wall thickness as supplied by Prysmian.

Additionally slits the sheath on a 4/12f Overhead Dropcable
- 6mm diameter with a 2mm sheath wall thickness
as supplied by Prysmian.

Features:

- Anodised aluminium components
- Hard wearing glass filled plastic outer
- User interchangeable cassette
- Wrist strap for safety working at height

Dimensions: 210 x 67 x 34mm
Weight: 350g

PART NO.	DESCRIPTION
E00-3826	A) OPT T0160 PRYSMIAN 36F & 4F / 12F SLITTER STRIPPER
E00-1414	B) REPLACEMENT CARTRIDGE FOR OPT T0160 STRIPPER

A) OPT T0168 COF 205 COMBINED CORNING & PRYSMIAN STRIPPER

Two sided BFD/Cu web separator
for both Corning / Sterlite and
Prysmian COF205
drop fibre cables.

Features:

- Anodised aluminium components
- Hard wearing glass filled plastic outer
- User interchangeable cassette
- Wrist strap for safety working at height

Dimensions: 210 x 67 x 34mm
Weight: 350g

PART NO.	DESCRIPTION
E00-3821	A) OPT T0168 COF 205 COMBINED CORNING & PRYSMIAN STRIPPER
E00-3823	B) OPT T0140 REPLACEMENT CARTRIDGE FOR E00-3821 & E00-3822

A) OPT T0186 COF 205 CORNING / STERLITE SLITTER STRIPPER

The stripper has a profiled cassette that separates
BFD/Cu. For use with Corning / Sterlite COF205
drop fibre cables.

Features:

- Anodised aluminium components
- Hard wearing glass filled plastic outer
- User interchangeable cassette
- Wrist strap for safety working at height

Dimensions: 210 x 67 x 34mm
Weight: 350g

PART NO.	DESCRIPTION
E00-3822	A) OPT T0186 COF 205 CORNING / STERLITE SLITTER STRIPPER
E00-3823	B) OPT T0140 REPLACEMENT CARTRIDGE FOR E00-3821 & E00-3822

A) OPT T0185 PRYSMIAN COF205 SLITTING TOOL

Designed specifically to slit COF205
cables as supplied by Prysmian.

Features:

- Anodised aluminium components
- Hard wearing glass filled plastic outer
- User interchangeable cassette
- Wrist strap for safety working at height

Dimensions: 210 x 67 x 34mm
Weight: 350g

PART NO.	DESCRIPTION
E00-3824	A) OPT T0185 PRYSMIAN COF205 SLITTING TOOL
E00-3825	B) OPT T0139 REPLACEMENT CARTRIDGE FOR E00-3824

MILLER MB03-7010 ROC DROP CABLE SLITTER

The Ripley Miller MB03-7010 ROC DROP Slitting Tool will make an
error-free, precise separation of the toner wire from Corning ROC
DROP fibre cable.

The tool can be used on a mid section of the cable or the cable end.

Specifications:

- Cable Compatibility:
  900 µm Corning ROC™
  Drop Cable with
  Toner Wire
- Cable Access: Mid-Span, End

Dimensions:
84 x 47 x 19mm
Weight: 130g

PART NO.	DESCRIPTION
E00-5019	MILLER MB03-7010 ROC DROP CABLE SLITTER

MILLER MB03-7000 ROC DROP TOOL

A cable stripper designed to quickly & accurately terminate rugged
OptiTap® connectors at the installation site, eliminating the need
for pre-terminated drop cable assemblies.

- Compatible with 900µm Corning ROC™
  Drop dielectric cables & OptiTap®
  hardened connectors
- Combine with the E00-5019 Ripley
  Miller MB03-7010 ROC Slitter to
  easily separate toner
  wire from cable

PART NO.	DESCRIPTION
E00-5018	MILLER MB03-7000 ROC DROP TOOL

FIBRE EQUIPMENT & TOOLING

MILLS HEAVY DUTY STEEL WIRE & CABLE CUTTER

A specialist shear cutter designed for cutting fibre drop cables containing strength members, steel wire rope, and is also ideal for cutting catenary wire. The cutter has heavy duty handles for repetitive applications and features an integrated spring with locking catch. Capacity 6mm and overall length 190mm.

PART NO.	DESCRIPTION
E00-6861	MILLS HEAVY DUTY STEEL WIRE & CABLE CUTTER

KNIPEX ELECTRONIC SUPER KNIPS OPTICAL FIBRE SIDE CUTTER 125MM

Top quality precision pliers for ultra fine cutting fibre optic cables and work in electronics and fine mechanics.

Ideal for cutting close sitting wire from 0.2mm diameter.

Formerly Z19-0150EM.

PART NO.	DESCRIPTION
S83-2540	KNIPEX ELECTRONIC SUPER KNIPS OPTICAL FIBRE SIDE CUTTER 125MM

VERSATILE WIRE STRIPPER

Wire stripper with seven individual stripping stations: 0.5, 0.75, 1.0, 1.5, 2.5, 4.0 and 6.0mm². Comfort grip handles with return spring – overall length 160mm

PART NO.	DESCRIPTION
E02-1010	VERSATILE WIRE STRIPPER

MILLS CUTTER LONGITUDINAL 1A

This tool can be used to strip the sheath longitudinally from around blown fibre microduct or other Telco style cable without damaging it. The unwanted tube which surrounds the fibre can be stripped off with ease.

A

B

PART NO.	DESCRIPTION
E00-0470	A) CUTTER LONGITUDINAL 1A
E00-3816	B) SPARE BLADE FOR CUTTER LONGITUDINAL 1A

MILLS LONGITUDINAL & CIRCUMFERENTIAL SHEATH STRIPPING TOOL

A specialist ratchet cable slitter with a reversible double-ended replaceable blade with adjustable cutting depth 0-5mm for each unique cable application that can be used for both longitudinal and circumferential stripping on most cables upto 25mm.

The sheath stripper will slit most jacket materials and is capable of both midspan entry or end cable stripping applications.

Ref: 127420.

PART NO.	DESCRIPTION
E00-7643	MILLS LONGITUDINAL & CIRCUMFERENTIAL SHEATH STRIPPING TOOL

MILLS SPECIALIST HEAVY DUTY FIBRE OPTIC TOOLBAG

A specialist tool bag specifically designed for the fibre optic installer which is ideal for carrying all the essential tooling and test equipment for fibre splicing, cleaning and inspection. The Mills Heavy Duty Fibre Tool Bag features four external pockets, one specifically designed to accept the Mills C00-6407 Sharps Box. In addition the bag has a further eight internal storage pockets.

For security and to prevent damage to fragile instruments and tooling the wall thickness is constructed from 12mm foam and the fibre installers bag benefits from strong hook and loop type wrap around carry handles and adjustable shoulder strap.

Approx Dimensions:
32.5 x 22.5 x 18.5cm (12.5" x 9" x 7.5").

TOOLS NOT INCLUDED

PART NO.	DESCRIPTION
B70-6917	MILLS SPECIALIST FIBRE OPTIC TOOLBAG

MILLS FIBRE CLEANING KIT BAG EMPTY

Durable nylon fibre cleaning bag for holding fibre cleaning products, 0.3 litre sharps bin and small tools (not included).

Supplied with twin zips and integral sharps bin pocket.

Dimensions L 230mm x W 130mm x H 140mm.

PART NO.	DESCRIPTION
B72-0052	MILLS FIBRE CLEANING KIT BAG EMPTY

MILLS FIBRE PICK AND SPUDGER - PK 20

A simple pick and spudger for separation, identification and removal of single fibres. The fibre pick is 3mm in diameter with a point at one end and a 3mm wide flat at the opposite end, with an overall length of 100mm.

Manufactured from yellow polypropylene plastic.

Supplied in a pack of 20.

PART NO.	DESCRIPTION
M99-6625	MILLS FIBRE PICK AND SPUDGER - PK 20

FIBRE EQUIPMENT & TOOLING

MILLS COLD CURE FIBRE TERMINATION KIT

A specialist toolkit designed for cold cure fibre terminations and comprising all the essential tooling, consumables and inspection products required for field applications where electricity is not available. This version of the Mills Cold Cure Kit is available in three storage options: Tool & Laptop Bag, Stanley Fatmax Ruggedised Toolbox and Mills Eurocase

Kit comprises:
- Sapphire Cleaver
- Mills MasterClass 3-Way Fibre Stripper
- 0.3 Litre Sharps Box
- Mills LED Head Torch
- IPA Wipes
- Anaerobic Adhesive 50ml
- Aerosol Activator 150ml
- 10 x Syringes-Screw Type
- 10 x Needle tip for above
- Soft Polishing Pad
- 2.5mm Universal SC and ST Polishing Puck
- 1.25mm LC Polishing Puck
- 5x 12 Micron Polishing Paper- Yellow
- 5x 1 Micron Polishing Paper- light green
- 5x 0.3 Micron Polishing Paper- White
- x 400 Microscope
- LC Adaptor for Microscope
- Kevlar Scissors
- Bolle Safety Glasses (not laser protective)
- Mini Millslite Cree LED Zoom Lens Torch
- Sharpie Pen (PK 2)

Plus your chosen tool storage option.

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6185	A) COLD CURE KIT - IN MILLS TOOL & LAPTOP BAG
A10-6187	B) COLD CURE KIT - IN STANLEY FATMAX TOOLBOX
A10-6186	C) COLD CURE KIT - IN MILLS EUROCASE

Mills EST. 1919

CLEAVING TILE AND PEN CLEAVER

A

B

A pen type cleaver with pen clip lid- 30° wedge shaped carbide tip cleaver for quick and precise cleaving of optical fibre. Overall length 132mm.

Ceramic Cleaving Square 50 x 50mm Per Tile Ceramic scribing tile with chamfer on one side for fibre cleaving

PART NO.	DESCRIPTION
C00-8421	A) FIBRE PEN CLEAVER
C00-3029	B) CERAMIC CLEAVING TILE

MILLS PRECISION FIBRE CLEAVER

Mills Precision Fibre Cleaver with 'Auto Return IKO Japanese Rail' and 24 Position Precision Blade, rated for over 50,000 cleaves. This entry level cleaver is ideal for use with bare fibre adaptors and for most basic cleaving applications. The Mills fibre optic cleaver will cleave bare fibre up to a diameter of 125 uM and 250uM, 900uM Coated Fibre - (10-16mm Length).

The product is supplied with integral Fibre Dustbin and supplied in storage box.

Dimensions 76 x 65 x 63mm.

Weight 450g.

PART NO.	DESCRIPTION
C00-6984	MILLS PRECISION FIBRE CLEAVER

HEAT CURING EPOXY (RT153)

Industry standard heat curing adhesive, RT153 is available in 4g sachets containing exactly the correct quantities of resin & hardener. A 4g sachet would normally be sufficient to terminate 200 connectors.

PART NO.	DESCRIPTION
C00-3031	RT153 EPOXY (PK 5 SACHETS)

FIBRE OPTIC CLEAVER

Designed for fibre cleaving applications that include field termination of fibre connectors and mechanical splices as well as laboratory applications.

Small, lightweight and easy to use.

The "Score and Snap" leaf spring function is easy, fast and the preferred method for many fibre installers.

Produces a precise cleave endface angle of less than 2 degrees.

Cleaving tool is designed for single mode and multimode fibre with cladding O.D. of 125μ with no operator tool adjustments.

- Length: 4.84 in (124 mm)
- Height: 0.78 in (20 mm)
- Width: 1.56 in (40 mm)
- Weight: 2.1 ounces (60.0g)

PART NO.	DESCRIPTION
C00-0495	FIBRE OPTIC CLEAVER

SYRINGE DISPENSER AND TIPS

Medical syringe manufactured to BS5081 & ISO7886 for dispensing of 1ml of epoxy during the termination process. Replacement 25mm tips available.

PART NO.	DESCRIPTION
C00-7991	SYRINGE DISPENSER ONLY
C00-7992	NEEDLE TIPS 25MM

SHARPS DISPOSAL BINS

Heavy duty plastic welded construction sharps boxes with pop up lid and self sealing mechanism for security and ease of use.

These cin bins also have an unobstructed opening, making it ideal for quick disposal of fibre waste, especially when emptying a cleaver waste bin.

A) 0.2L - For the safe disposal of fibre waste including cut-offs, syringes, used tissues, wipes, gloves, epoxy residues etc. The 0.2L cin bin is specifically shaped to contain the maximum amount of sharps in the minimum amount of space.

B) 0.3L - Ideal for use in fibre toolkits. Dimensions 10.5cm x 5cm

C) 0.45L - Ideal for use in fibre toolkits or for a bench application and has fold away carrying handle.

D) Single application Sharps Clean-Up Kit effectively aids the removal, containment, disinfection and disposal of discarded needles and syringes.

Comprises:
1x Forceps
1x Gloves, Pair
1x Sanitiser Spray 8ml
1x Sharps Container 0.2ltr.
1x Waste Bag.
1x Wipe, Cleansing.

E) Sharps Clean-Up Kit - 0.6L

PART NO.	DESCRIPTION
C00-6407	A) SHARPS DISPOSAL BIN 0.2L
C00-6408	B) SHARPS DISPOSAL BIN 0.3L
C00-6409	C) SHARPS DISPOSAL BIN 0.45L
S26-1330	D) SHARPS CLEAN-UP KIT - 0.2L
S26-1331	E) SHARPS CLEAN-UP KIT - 0.6L

FIBRE EQUIPMENT & TOOLING

MILLER FS700 FIBRE-SAFE NEOPRENE POLISHING PAD

Provides a flat surface for polishing fibre optic connector end faces.

Manufactured from neoprene.

Dimensions: 140 x 140mm a thickness of 3mm.

PART NO.	DESCRIPTION
C00-3051	MILLER FS700 FIBRE-SAFE NEOPRENE POLISHING PAD

MILLER FIBRE WORK AREA MAT

Black vinyl fibre optic polishing/work mat. Measures 22" x 14".

It is dual purpose in nature, allowing fibre scraps to be seen easily and serving as a sub-surface for fibre polishing cloths. This resilient polishing mat depresses easily and lets you pick up fibres quickly for better polishing results.

PART NO.	DESCRIPTION
C00-6882	MILLER FIBRE WORK AREA MAT

LAPPING FILMS

Available 215 x 280mm sheets. Aluminium oxide is packed in 50 while diamond is available individually.
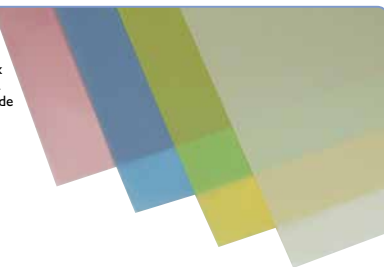
3M

ALUMINIUM OXIDE PACKETS OF 50	
PART NO.	DESCRIPTION
C00-3040	PACKET 50 12µM YELLOW PAPER
C00-3041	PACKET 50 9µM BLUE PAPER
C00-3042	PACKET 50 3µM PINK PAPER
C00-3043	PACKET 50 1µM LIGHT GREEN PAPER
C00-3044	PACKET 50 0.3µM WHITE PAPER

DIAMOND PAPER INDIVIDUAL SHEETS	
PART NO.	DESCRIPTION
C00-3045	1 SHEET 9µM BLUE PAPER
C00-3046	1 SHEET 6µM BROWN PAPER
C00-3047	1 SHEET 3µM PINK PAPER
C00-3048	1 SHEET 1µM LAVENDER PAPER
C00-3049	1 SHEET 0.5µM OFF WHITE PAPER

HAND POLISHING JIGS

Metal polishing pucks available for SC/FC, LC and ST connectors.

Used for polishing fibre optic connectors, these hockey pucks are machined to close tolerances, enabling you to achieve quality endface finishes.

PART NO.	DESCRIPTION
C00-8417	A) POLISHING PUCK SC/FC
C00-8422	B) POLISHING PUCK LC
C00-8416	C) POLISHING PUCK ST

A) MILLS IPA DISPENSER 8OZ 250ML

Manufactured from high density polyethylene with a one handed dispensing pump making it ideal for delivering small amounts of IPA. The cap locks securely for storage and transportation purposes.

B) JONARD FD-220 220ML FLUID DISPENSER

The FD-220 Dispenser is designed to store and dispense cleaning fluids, such as isopropyl alcohol, to clean the end-faces of fibre optic cables.

C) IPA SOLVENT SPRAY

In 400ml aerosol can.

D) IPA MIX

A mix of 90% Isopropyl alcohol to 10% water.

PART NO.	DESCRIPTION
C00-8296	A) MILLS IPA DISPENSER 8OZ 250ML
E00-0973	B) JONARD FD-220 220ML FLUID DISPENSER
C00-4827	C) IPA SOLVENT SPRAY 400ML
C00-3036	D) IPA WATER MIX 1 LITRE

COLD CURE ADHESIVE AND ACTIVATOR

A) LOCTITE 638 Adhesive 50ml

A specialist adhesive for cold cure fibre applications, which when used with the activatior is ideal for bonding of connectors to cable prior to polishing.

B) LOCTITE 7649 Activator 150ml

A specialist activator for cold cure fibre applications, which when used with the adhesive, is ideal for bonding of connectors to cable prior to polishing.

PART NO.	DESCRIPTION
R02-7029	A) LOCTITE 638 ADHESIVE 50 ML
R02-7030	B) LOCTITE 7649 ACTIVATOR 150 ML

DIVOT® BARE FIBRE ADAPTOR/TESTING DEVICE

Quickly connect test equipment to bare fibre. System utilises replaceable index matching gel cartridges resulting in quick low loss and low reflectance connections to your OTDR or other test systems.

- Internal replaceable cartridge filled with optical coupling compound
- No dipping, messy applicators or external reservoirs to fill
- Quickly test fibre without terminating
- Accepts non-cleaved fibre
- Low insertion loss
- Repeatable and Reusable
- LiteLOCK® Technology

The Divot® is designed to quickly connect to unterminated fibre for testing, servicing or communication requirements. Connect the patch cable included with the system to your test equipment and insert bare fibre into the end of the Divot® module.

Preparation of the bare fibre is easy. Simply strip and clean a few inches of fibre down to 125uM cladding. Cleave fibre leaving approximately 3/4" of bare fibre exposed. Insert the bare fibre into the Divot® module until it stops. The device will accept a non-cleaved fibre with a typical insertion loss of less than 0.8dB. Cleaved fibre will result in even lower insertion loss.

A) Divot® Bare Fibre Tester includes:
- Divot Module With Patch Cable
- 2 x OCC Cartridges
- Clean-out Wire
- Carry Case

B) Divot® Replacement OCC Cartridge (PK3)

Divot® Replacement Sleeve Set:
- Zirconia Sleeve x 1
- Phosphor Bronze Sleeve x 1

PART NO.	DESCRIPTION
C00-6776	A) DIVOT® - SC SINGLEMODE
C00-6777	A) DIVOT® - SC/APC SINGLEMODE
C00-6778	B) DIVOT® REPLACEMENT OCC CARTRIDGE (PK3)
C00-6779	C) DIVOT® REPLACEMENT SLEEVE SET

PLC SPLITTERS

Fibre optic PLC splitters with un-terminated tails ends for splicing to optical cables as required. For use in PON-FTTx networks, CATV, outside plant equipment and DWDM / CWDM systems.

Fibre Type: 250um Bare Fibre Singlemode OS2 (G657A1).

Length: 1.5 metres.

Wavelength range: 1260-1650nm.
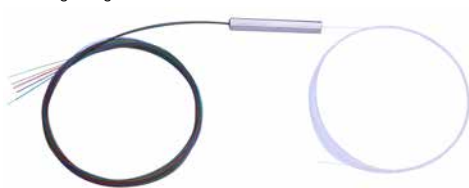
PART NO.	DESCRIPTION
T70-3809	PLC SPLITTER 1:2 250UM BARE FIBRE SM OS2 1260-1650NM 1.5M
T70-3811	PLC SPLITTER 1:4 250UM BARE FIBRE SM 1.5M
T70-3812	PLC SPLITTER 1:8 250UM BARE FIBRE SM 1.5M
T70-3810	PLC SPLITTER 1:16 250UM BARE FIBRE SM 1.5M
T70-3813	PLC SPLITTER 1:32 250UM BARE FIBRE SM 1.5M

RING SALES FOR SPECIAL PRICES OR VISIT *millsltd.com*

A) JONARD FCT-200 FIBRE CONNECTOR TOOL

Designed to insert and extract LC connectors in high-density patch panels, the FCT-200 is the perfect tool for working with LC connectors in tightly packed bulkheads.

B) TEMPO TCEXT LC SC EXTRACTION TOOL

The Tempo Communications TCEXT is used to remove and insert LC, SC and similar connectors into bulkheads where the technician's fingers may not fit especially in congested cabinets.

PART NO.	DESCRIPTION
E00-0964	A) JONARD FCT-200 FIBRE CONNECTOR TOOL
C00-4138	B) TEMPO TCEXT LC SC EXTRACTION TOOL
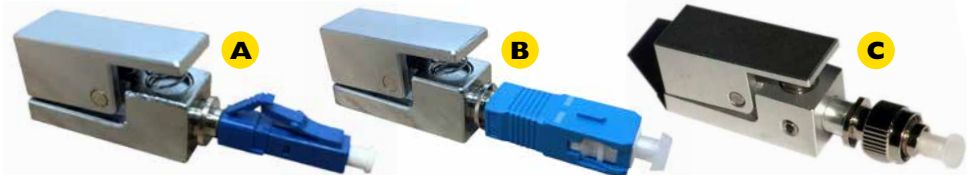
LOW COST BARE FIBRE ADAPTORS

A range of low cost Bare Fibre Adaptors allowing the temporary connection of bare fibre to test equipment such as VFLs, Light Source and Power Meters.

PART NO.	DESCRIPTION
C00-4766	A) LOW COST LC BARE FIBRE ADAPTOR
C00-4767	B) LOW COST SC BARE FIBRE ADAPTOR
C00-4768	C) LOW COST FC BARE FIBRE ADAPTOR

FIBRE EQUIPMENT & TOOLING

A) SUMITOMO SPLICER T 72C+ KIT WITH CLEAVER

The new Sumitomo TYPE-72c+ offers a revolutionary splice loss of only 0.01dB (typical), can splice in 5 seconds in Quick Mode, has an improved heating time of 8 seconds and can perform up to 320 splices on a full charge

The TYPE-72C+ NanoTune™technology, greatly improves splicing efficiency and of user skill, with the use of AI algorithms. This drastically reduces the need of splice reworks caused by poor cleaving, and thus it reduces overall costs. It's 5" touch screen display offers Smartphone-like easy operation.

Featuring SumiCloud™, a powerful tool that supports the TYPE-72C+ in the field. Using a smartphone, the splicer connects to the internet to Sumitomo's cloud services which include data management, asset management, firmware updates and maintenance support.

Its Preventive Maintenance feature enables users to be alerted of upcoming repairs or consumable replacement, thus reducing unexpected downtime.

Kit Contents:
- 1 x T-72C+ Fusion Splicer
- 1 x FC-6RS-C Cleaver
- 1 x BU-16/Li-ion 6400mAh 10.8V
- 1 x Power Supply module & Power Cord
- 1 x Cooling Tray
- 1 x Pair of ER-10 Electrodes
- 1 x CC-72 Carrying Case & Hand Strap
- 1 x USB cable (L=1.0M)
- 1 x Wireless LAN SD Card

For further information see millsltd.com

B) SUMITOMO SPARE ELECTRODES ER-10

Spare set of Sumitomo Electrodes ER-10 for use with T-25e, T-39, T-400S, T-66, T-55, T-57, T-71x, T-72C machines.

PART NO.	DESCRIPTION
T-72C-KIT-MILLS	A) SUMITOMO SPLICER T 72C+ KIT WITH CLEAVER
S00-1531	B) SUMITOMO SPARE ELECTRODES ER-10

A) SUMITOMO T-72M12 RIBBON SPLICER KIT

The Sumitomo Type-72M12 Ribbon Fibre Fusion Splicer features the industry's only dual independent heaters and Auto Clamping Adjustment System "ACAS". It offers an 11s splice in SM Quick Mode, 35s heat shrink time and battery capacity for 180 splice & heat cycles.

Featuring SumiCloud™, a powerful tool that supports the splicer in the field. Using a smartphone, the splicer connects to the internet to Sumitomo's cloud services which include data management, asset management, firmware updates and maintenance support.

PLEASE NOTE: The type of ribbon fibre cable to be spliced will require a specifc type of fibre holder from Sumitomo's comprehensive range (not included). Please contact sales on **020 88332626** to speak to sales to determine which fibre holder you require and to provide a quote.

Kit comprises:
- T-72M12 splicer
- BU-16 battery
- PC-AC power cord with UK plug
- ADC-16 AC/DC adaptor
- T-39_SCT cooling tray
- Hand strap
- ER-10 electrodes
- Quick reference guide, English, printed A4
- Safety instructions
- CC-72 carrying case
- Shoulder strap for CC-72
- WLSD-0416 card
- USB cable, 1m

B) SUMITOMO T-72M12 RIBBON SPLICER FULL KIT WITH FIBRE HOLDERS, THERMAL STRIPPER & CLEAVER

Kit comprises:

1x T-72M12 Fusion Splicer	1x USB cable (L=1.0M)	1 x Jacket Remover/Heated/JR-6+/Kit
1x BU-16	1x Important safety precautions	1 x Lead/DC Vehicle Power/PC-V16/T-57 & T-72
1x PC-AC3 Power Cord	1x WLSD-0416 card	1 x Lead/AC/IEC_C7-UK/3_Amp
1x ADC-16 Power Supply module	1 x Lead/AC/IEC_C13-UK/3_Amp/PC-AC	1 x Fibre Arrangement Tool/OFA-01/Semi-hardcase
1x T-39_SCT Cooling Tray	1 x Fibre Holders/FHS-025/Moulded	1 x Brush/V-Groove Cleaning/VGT-2
1x Hand Strap	1 x Fibre Holders/FHS-09/Moulded	
1x Pair of ER-10 Spare Electrodes	1 x Fibre holders/FHM-12V	
1x Quick Reference Guide	- For use with standard encapsulated	
1x CC-72 Carrying Case (MKII)	ribbons and pliable ribbons	
1x Shoulder strap for CC-71	1 x Cleaver/FC-6RM-C	

PART NO.	DESCRIPTION
T-72M12-KIT	A) SUMITOMO T-72M12 RIBBON SPLICER KIT
T-72M12-FULL KIT	B) SUMITOMO T-72M12 RIBBON SPLICER KIT WITH FIBRE HOLDERS, THERMAL STRIPPER & CLEAVER
S00-1531	C) SUMITOMO SPARE ELECTRODES ER-10

SUMITOMO ELITE ACTIVE CLAD ALIGNMENT FUSION SPLICER

- Fast, versatile, tough and easy to use: all your FTTx splices on one machine
- 'Superwide' 125um X Y adjustment range for better tolerance of dust and dirt
- Simple operation with AUTO splice mode

Features:

- Fibre types: G651, G652, G653, G655 and G657
- Cladding diameter: 125um
- Coating diameter: Up to 3mm cord
- Coating, cord and cable types:
  250um primary coated fibre
  900um tight buffer secondary coated fibre
  900um loose buffer secondary coated fibre (requires optional FHS-025LB5 fibre holders)
  3mm ruggedised cord made with 900um tight buffer secondary coated fibre
  Rectangular section FTTx drop cable
- Splice time: 6s (SM G652 Quick Mode)
- Heating shrink time: 12s (60mm 'slim' sleeve in S60 0.25 Quick Mode)

For further details visit our website

PART NO.	DESCRIPTION
T-502S	SUMITOMO ELITE ACTIVE CLAD ALIGNMENT FUSION SPLICER

SUMITOMO FC-6R+ HIGH PRECISION BENCHTOP CLEAVER

The FC-6+ adds 'one action' operation to the FC-6's traditional robustness and high-quality cleaving, enhancing user productivity.

Features:

- Accurate performance
- One action cleaving
- Auto-rotating blade*[1]
- Long-life blade
- New secure product label

For further details visit our website

PART NO.	DESCRIPTION
FC-6R+CLEAVER	SUMITOMO FC-6R+ HIGH PRECISION BENCHTOP CLEAVER

SUMITOMO FC-8R-F PRECISION AUTO BLADE ROTATION CLEAVER

The FC-8R is Sumitomo Electric's newest one step optical fibre cleaver with automatic blade rotation. It is the ideal tool for use in fusion splicing, field termination, or any application that requires precision in a confined space.

Supplied with AP-FC8 single fibre adaptor, Desktop Spacer and CC-8RSH semi-hard case

Features:

- 1 to 12-Fibre Ribbon Cleaver
- Automatic Blade Rotation
- Ideal Cleaver for Mechanical Connectors
- Ideal Cleaver for High Volume Precision Cleaving Applications in Any Environment
- Compatible with All Sumitomo Electric Fusion Splicers
- Precision Blade Performs 60,000 Cleaves

For further details visit our website

PART NO.	DESCRIPTION
FC-8R-F	SUMITOMO FC-8R-F PRECISION AUTO BLADE ROTATION CLEAVER

A) SUMITOMO OFA-01 FIBRE ARRANGEMENT TOOL

Organises up to 12 individual 200um or 250um silica glass fibres into temporary ribbons for mass fusion splicing.

The Sumitomo OFA-01 organises individual fibres into temporary ribbons for mass fusion splicing.

Applicable Fibres
Material: Silica glass
Coating diameter: Dia 200um, 250um
Fibre count: Up to 12 fibres
Dimensions: 90(W) mm x 40(D) mm x 25(H) mm
Weight: 140g

B) SUMITOMO FIBRE COATING CLAMP UNIT RIGHT

Sumitomo Fibre Coating Clamp Unit (Right) for use with T-71, T-72C, T-55, T-57 splicers.
VP039IT0037-01

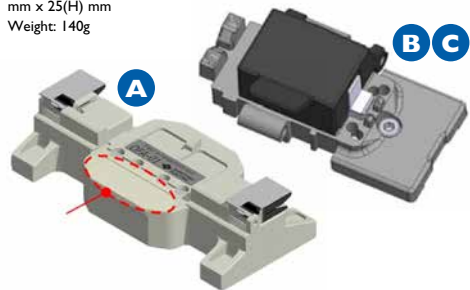## C) SUMITOMO FIBRE COATING CLAMP UNIT LEFT

Sumitomo Fibre Coating Clamp Unit (Left) for use with T-71, T-72C, T-55, T-57 splicers.
VP039IT0036-01

PART NO.	DESCRIPTION
C00-0766	A) SUMITOMO OFA-01 FIBRE ARRANGEMENT TOOL
S00-1498	B) SUMITOMO FIBRE COATING CLAMP UNIT RIGHT
S00-1499	C) SUMITOMO FIBRE COATING CLAMP UNIT LEFT

FIBRE EQUIPMENT & TOOLING

FIBRE EQUIPMENT & TOOLING

THE MILLS POLEMATE SYSTEM

The Polemate range of products and accessories has been specifically designed in conjunction with telecom engineers to assist field operational staff with the installation of telecommunication equipment. The Polemate system comprises a pole-mounting base unit to which splicing trays and cable reel stands can quickly and easily be attached providing a stable platform whilst on site. In addition many of the components are interchangeable with the Mills Pitmate System, shown on page 187. The Mills Polemate system can be supplied as modular components or as a complete Polemate kit.

MILLS POLEMATE KIT

Kit comprises;

S83-7622 Base Unit

S83-7623 Rubber Wedge Spacers Pk3

S83-7629 Splicer's Work Tray

S83-7624 CBT Arm

S83-9327 Complete Kit

A

Polemate Base Unit   …with General Tray   …with Splicer's Tray   …with CBT Reel Arm

B

MILLS POLEMATE BASE UNIT

The foundation of the Polemate system is this Polemate Base Unit which comprises a 50mm wide x 1200mm long webbing ratchet strap and a pole back plate, which can be simply ratcheted to the desired height on the pole.

C

MILLS POLEMATE BASE UNIT WITH SPLICER'S WORKTRAY

This kit contains a 50mm wide x 1500mm long webbing strap with back plate, splice table with slicer tripod fixing 508mm x 408mm.

Strap Dimensions 50mm width x 1500mm in length. Splice Tray 508mm width x 408mm depth x 2mm thickness. Total weight 5.2Kg

D

SPLICER'S WORK TRAY

A purpose made splicers tray that simply slots into the S83-7622 Polemate Base Unit providing a firm work support for both joint, splicer, cleaver and associated tools.

Dimensions: Width 508mm x Depth 408mm x Thickness 2mm.

E

SPLICER TRAY ENCLOSURE PLATE

Mills Splicer Tray Enclosure Plate for CMJ and MMJ Closures. Adaptor plate for use with the Mills Splicers Tray (S83-7629) , designed to hold Prysmian CMJ and MMJ enclosures during assembly or splicing. The enclosure will clip onto any side of the Mills splicers tray.

F

CBT ARM

A specialist 500mm long bracket for use in the installation and controlled de-reeling of CBT Cable Reel Assemblies up to a diameter of 830mm. The CBT Arm System allows the reel to be unreeled in a controlled manor due to the interference fit of the spindle flanges.

G

GENERAL WORKING TRAY

Easily slipped into the S83-7622 Mills Polemate Base Unit Bracket providing a firm work support for general service and maintenance applications. Dimensions: 508mm x 258mm

PART NO.	DESCRIPTION
S83-9327	A) MILLS POLEMATE KIT
S83-7622	B) MILLS POLEMATE BASE UNIT
S83-6958	C) MILLS POLEMATE BASE UNIT WITH SPLICERS WORKTRAY
S83-7629	D) MILLS POLEMATE / PITMATE SPLICER'S WORK TRAY
S83-0112	E) MILLS SPLICER TRAY ENCLOSURE PLATE FOR CMJ AND MMJ CLOSURES
S83-7624	F) MILLS POLEMATE / PITMATE CBT ARM
S83-7431	G) MILLS POLEMATE / PITMATE GENERAL WORKING TRAY
S83-7623	H) MILLS POLEMATE RUBBER WEDGE SPACER PK3

H

RUBBER WEDGE SPACER PK3

Pack of 3 wedge-shaped rubber spacers which can be used to prevent compression marks and avoid damage to vertically routed copper cables. Dimensions: Length 100mm x Width 50mm wide x Thickness 15/30mm.

THE MILLS PITMATE SYSTEM

The Pitmate range of products and accessories has been specifically designed in conjunction with telecom engineers to assist field operational staff with the installation of telecommunication equipment. The Pitmate system comprises a Pitmate Base Unit which can be attached to the existing Mobra arms allowing splicing trays, cable reel stands and even umbrella stands to be quickly and easily attached providing a stable platform whilst on site. In addition many of the components are interchangeable with the Mills Polemate System, shown on page 186.

MILLS PITMATE KIT

Kit comprises;

S83-7629 Splicer's Work Tray
S83-7626 Mobra Arm Bracket
S83-7624 CBT Arm

A

Pitmate Base Unit   …with Splicer's Tray   …with General Tray   …with CBT Reel Arm

B

MOBRA ARM BRACKET

An adjustable bracket which can be fixed easily to the Mobra frame. The bracket can be adjusted to 6 different heights by use of the captive pin in 80mm increments, starting from a minimum height of 150mm to a maximum of 550mm.
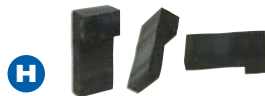
C

CBT ARM

A specialist 500mm long bracket for use in the installation and controlled de-reeling of CBT Cable Reel Assemblies up to a diameter of 830mm. The CBT Arm System allows the reel to be unreeled in a controlled manor due to the interference fit of the spindle flanges.

D

SPLICER'S WORK TRAY

A purpose made splicers tray that simply slots into the S83-7622 Polemate Base Unit or Pitmate Mobra Arm Bracket (S83-7626) providing a firm work support for both joint, splicer, cleaver and associated tools.

Dimensions: Width 508mm x Depth 408mm x Thickness 2mm.

E

SPLICER TRAY ENCLOSURE PLATE

Mills Splicer Tray Enclosure Plate for CMJ and MMJ Closures. Adaptor plate for use with the Mills Splicers Tray (S83-7629) , designed to hold Prysmian CMJ and MMJ enclosures during assembly or splicing. The enclosure will clip onto any side of the Mills splicers tray.

F

GENERAL WORKING TRAY

Easily slipped into the S83-7622 Mills Polemate Base Unit Bracket providing a firm work support for general service and maintenance applications. Dimensions: 508mm x 258mm.

G

UMBRELLA CLAMP FOR MOBRA FRAME

An 'L' shaped clamp which quickly fixes to the Mobra frame. The umbrella clamp accepts most umbrellas with a stock of 18-34mm.

PART NO.	DESCRIPTION
S83-9326	A) MILLS PITMATE KIT
S83-7626	B) MILLS PITMATE MOBRA ARM BRACKET
S83-7624	C) MILLS POLEMATE / PITMATE CBT ARM
S83-7629	D) MILLS POLEMATE / PITMATE SPLICER'S WORK TRAY
S83-0112	E) MILLS SPLICER TRAY ENCLOSURE PLATE FOR CMJ AND MMJ CLOSURES
S83-7431	F) A GENERAL PURPOSE WORK TRAY
S83-7625	G) MILLS PITMATE UMBRELLA CLAMP FOR MOBRA FRAME

FOR UMBRELLAS
SEE PAGE 240

FIBRE EQUIPMENT & TOOLING

Mills

MILLS WORK TRAY POLE SPLICING

The Mills Work Tray Pole Splicing has been specifically designed to assist engineers with installation and maintenance of BDUK Pole Fibre Distribution Points (FDP's)

It is manufactured from 2mm steel and has three universal secure mounting location tabs which allow the tray to easily be attached to the pole cabinet, centrally or biased to the left or right.

The tray dimensions are 500mm wide by 250mm deep with a 10mm lip to prevent loss of tools and materials. All corners have been radiused to prevent damage to fibre in addition to being designed to allow any excess rain water to easily drain away.

It is finished with a non-reflective black powder-coat paint.

PART NO.	DESCRIPTION
C00-5919	MILLS WORK TRAY POLE SPLICING

A) MILLS SPLICEMATE PORTABLE SPLICER'S TABLE

Comprising an edged tray and fully adjustable tripod, the Splicemate is the ideal solution for both field and exchange engineers.

The splicer can be securely attached to the tray in multiple positions, using the 6mm captive tripod screws, allowing ample room for tools, cleaning products and accessories.

The splicing tray is manufactured from 2mm steel plate and measures 400mm deep x 500m wide. The underside of the tray has a threaded boss to allow the tripod to be located and quickly screwed into the tripod.

The professional grade tripod is manufactured from lightweight aluminium weighing less than 1.8kg and able to extend from a closed height of 43cm to a maximum height 146cm. In addition the tripod is supplied with an S Hook to allow it to be weighted with a 5kg traffic bag (S00-6725).

B) MILLS SPLICEMATE SPLICER'S TENT

A mini scaled down tent suitable for use with the S83-1857 Mills Splicemate, S83-9327 Mills Polemate and S83-9326 Mills Pitmate.

The tent is manufactured from a PVC reinforced translucent material and can be erected and secured to the tray with in 30 seconds using a small bungy strap (supplied).

The PVC reinforced translucent material provides clear entry of natural light ensuring good identification of fibres when splicing.

The tent further benefits from a two zip access front door providing easy access to node and splicer, as well as a 150mm rear access zip for cable access.

SPLICE TRAY NOT INCLUDED.

Features:

PVC reinforced translucent material – PVC coated on both sides.

100% waterproof – RF welded

Robust die cast central joints with cover disc preventing operator finger pinching

Bungy security strap

Fibreglass framework

Wet storage properties

Erects in just 10-15 seconds

Open size 508mm wide x 430mm deep x 400mm high

Weight 1kg

PART NO.	DESCRIPTION
S83-1857	A) MILLS SPLICEMATE PORTABLE SPLICER'S TABLE
S00-4392	B) MILLS SPLICEMATE SPLICER'S TENT

MILLS STEPMATE SPLICER'S WORK TRAY FOR LITTLE GIANT JUMBO PLATFORM STEPS

The Mills Stepmate is a specialist splice tray for use with the Little Giant Jumbo Platform Step range (S00-9346, S00-9347, S00-9348)

A general purpose work tray, that can be easily and securely slipped onto the top of the Little Giant Platform range of steps, providing a firm work support for general splicing and maintenance applications.

The tray benefits from a tapered 25mm return and slot for securing the splicer to the tray via a captive M6 thumbscrew

Dimensions: 508mm x 258mm

PART NO.	DESCRIPTION
S83-7639	MILLS STEPMATE SPLICER'S WORK TRAY FOR LITTLE GIANT JUMBO PLATFORM STEPS

FOR LITTLE GIANT JUMBO PLATFORM STEPS, VISIT MILLSLTD.COM

STOOL FOLDING JOINTERS MK2

Height 39cm with a seat size of 40cm x 28.5cm and tested to 150kg.
Ref: 092372 / 037965.

PART NO.	DESCRIPTION
S13-4455	STOOL FOLDING JOINTERS MK2

FIBRE OPTIC SPLICERS CHAIR

Manufactured from heavy duty 25mm steel tube this quick fold chair has a 135kg (300lb) rating. The chair features a convenient side tray with cup holder, fabric storage / organiser system and is ideal for outdoor fibre splicing or cabinet work.

Size: 48 x 34 x 86 (WxHxD)

Weight: 6.16kg

PART NO.	DESCRIPTION
S00-6995	FIBRE OPTIC SPLICERS CHAIR

FOLDING WORKSTATION

TA heavy duty mobile foldable steel framed work bench, ideal for fibre splicing, which can be set up in seconds giving a working height of 755mm and able support up to 180kg.

The portable work table is supplied with 2 x 300mm (12") clamps as standard which can be used for horizontal and vertical clamping.

The bench measures 850mm Length x 550mm Width with a weight of 12.25kg

Fold flat storage size: 850 x 550 x 115mm.

PART NO.	DESCRIPTION
S83-2711	FOLDING WORKSTATION

FIBRE OPTIC SPLICER'S TABLES

Lightweight, portable with sturdy and durable frames.

A) Rectangular
Open size (cm): 120w x 80d x 70h
Folded size (cm): 1200w x 80d x 6h
Frame: Aluminium
Weight: 5.2 kg

B) Square
Open size (cm): 80w x 80d x 70h
Folded size (cm): 80w x 80d x 6h
Frame: Aluminium
Weight: 3.9 kg

PART NO.	DESCRIPTION
S00-6997	A) FIBRE OPTIC SPLICER'S TABLE RECTANGULAR
S00-6996	B) FIBRE OPTIC SPLICER'S TABLE SQUARE

WORKBENCH FLIP-TOP

Heavy duty professional workmate sytle bench with rigid, square section steel frame. Large work surface with two 605 x 120mm work tops. Adjustable table tops can be angled at 0, 45 or 90 degrees. Max load 200kg.

PART NO.	DESCRIPTION
S83-0754	WORKBENCH FLIP-TOP

BOSCH MOBILE WORKBENCH PWB600

Unique workbench with folding concept for quick set-up, easy transport and storage.

Waterproof and scratch resistant bamboo surface for long life usage.

Compact when folded, 9cm wide.

Height of workbench 83.4cm.

Maximum clamping width with clamp dogs/bamboo boards 52.5 x 8.5mm.

Clamping depth 3.4mm.

Carry capacity 200kg.

Aluminium construction.

PART NO.	DESCRIPTION
S00-7256	BOSCH MOBILE WORKBENCH PWB600

FIBRE EQUIPMENT & TOOLING

MILLS FIBRE INSPECTION & CLEANING KIT No. 1 - IN MILLS FIBRE BAG

An entry model fibre inspection toolkit covering all the essential products required for the vast majority of inspection and cleaning applications. This version of the Mills Inspection Kit No. 1 is supplied in a Mills Fibre Tool Bag.

Kit comprises:
• Mills Fibre Tool bag
• Visual Fault Locator
• 400x Microscope
• Mills LED Headtorch
• Clean Core Cassette
• 1.25mm Cleaning Sticks
• 2.5mm Cleaning Sticks
• Connector Cleaner
• IPA Wipes Pkt 50
• Mini Millslite Cree LED Zoom Lens Torch
• Mills 3 Way Fibre Stripper
• Kevlar Scissors
• 0.3 Litre Sharps Box
• Bolle Safety Glasses (not laser protective)
• Sharpie Pen (PK 2)

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6146	FIBRE INSPECTION KIT No. 1 - IN MILLS FIBRE BAG

MILLS FIBRE INSPECTION & CLEANING KIT No. 1 - IN TOOL ROLL

An entry model fibre inspection toolkit covering all the essential products required for the vast majority of inspection and cleaning applications. This version of the Mills Inspection Kit No. 1 is supplied in a Tool Roll.

Kit comprises:
• Tool Roll
• Visual Fault Locator
• 400x Microscope
• Mills LED Headtorch
• Clean Core Cassette
• 1.25mm Cleaning Sticks
• 2.5mm Cleaning Sticks
• Connector Cleaner
• IPA Wipes Pkt 50
• Mini Millslite Cree LED Zoom Lens Torch
• Mills 3 Way Fibre Stripper
• Kevlar Scissors
• 0.3 Litre Sharps Box
• Bolle Safety Glasses (not laser protective)
• Sharpie Pen (PK 2)

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6147	FIBRE INSPECTION KIT No. 1- IN MILLS TOOL ROLL

MILLS FIBRE INSPECTION & CLEANING KIT No. 1 - IN TOOL & LAPTOP CASE

An entry model fibre inspection toolkit covering all the essential products required for the vast majority of inspection and cleaning applications. This version of the Mills Inspection Kit No. 1 is supplied in a Mills Tool & Laptop Case.

Kit comprises:
• Mills Tool & Laptop Case
• Visual Fault Locator
• 400x Microscope
• Mills LED Headtorch
• Clean Core Cassette
• 1.25mm Cleaning Sticks
• 2.5mm Cleaning Sticks
• Connector Cleaner
• IPA Wipes Pkt 50
• Mini Millslite Cree LED Zoom Lens Torch
• Mills 3 Way Fibre Stripper
• Kevlar Scissors
• 0.3 Litre Sharps Box
• Bolle Safety Glasses (not laser protective)
• Sharpie Pen (PK 2)

*Contents may vary slightly, please visit **millsltd.com** for the latest listing.

PART NO.	DESCRIPTION
A10-6784	FIBRE INSPECTION KIT No. 1 - IN TOOL & LAPTOP CASE

MILLS FIBRE INSPECTION & CLEANING KIT No. 2- IN MILLS FIBRE BAG

*Contents may vary slightly, please visit
millsltd.com for the latest listing.

A comprehensive fibre inspection toolkit comprising a visual fault locator, microscope, full set of cleaning products for ports and connectors together with associated tooling. This version of the Mills Inspection Kit No.2 is supplied in a Mills Fibre Tool Bag.

Kit comprises:
- Mills Fibre Tool bag
- Visual Fault Locator
- 0.3 Litre Sharps Box
- 400x Microscope
- Cleanwipes
- Connector Cleaner
- Cleanwipes Cube
- 1.25mm CleanClicker
- 2.5mm CleanClicker
- Sharpie Pen (PK 2)
- Kevlar Scissors
- Mills 3 Way Fibre Stripper
- Mills LED Head Torch
- Mini Millslite Cree LED Zoom Lens Torch
- Bolle Safety Glasses (not laser protective)

PART NO.	DESCRIPTION
A10-6148	FIBRE INSPECTION KIT No.2 - IN MILLS FIBRE BAG

MILLS FIBRE INSPECTION & CLEANING KIT No. 2 - IN MILLS TOOL & LAPTOP CASE

*Contents may vary slightly, please visit
millsltd.com for the latest listing.

A comprehensive fibre inspection toolkit comprising a visual fault locator, video inspection microscope, full set of of cleaning products for ports and connectors together with associated tooling. This version of the Mills Inspection Kit No.2 is supplied in a Mills Tool & Laptop Case.

Kit comprises:
- Mills Tool & Laptop Case
- Visual Fault Locator
- 0.3 Litre Sharps Box
- 400x Microscope
- Cleanwipes
- Connector Cleaner
- Cleanwipes Cube
- 1.25mm CleanClicker
- 2.5mm CleanClicker
- Sharpie Pen (PK 2)
- Kevlar Scissors
- Mills 3 Way Fibre Stripper
- Mills LED Head Torch
- Mini Millslite Cree LED Zoom Lens Torch
- Bolle Safety Glasses (not laser protective)

PART NO.	DESCRIPTION
A10-6149	FIBRE INSPECTION KIT No.2 - IN TOOL & LAPTOP CASE

FIBRE EQUIPMENT
& TOOLING

FOR PROTECTIVE EYEWEAR
SEE PAGE 385-386

FOR PPE KITS
SEE PAGE 380

Mills
EST. 1919

A) MILLS FIBRE OPTIC CLEANING KIT

The Mills Fibre Optic Cleaning Kit is an essential product for field, exchange and data centre engineers, dealing with fibre installation and maintenance.

The kit contains all the products for cleaning, both 1.25mm (LC) and 2.5mm (SC) endfaces, ferrules and preparing fibre prior to splicing.

The kit is supplied in a convenient nylon storage bag, with integral pocket for our 0.3 litre sharps bin and enough space for fibre strippers and other associated fibre preparation tools.

The Mills Fibre Cleaning Kit comprises:
S27-1965 Mills Fibre Cleaner 60ml x 2
C92-3025 Mills Click Cleaner Pen FC, SC & ST 2.50mm
C92-3019 Mills Low Cost Click Cleaner Pen LC 1.25mm
C00-4316 Mills Fibre Optic Wipes Pack of 90
C00-8296 Mills IPA Dispenser 8oz
C00-6408 Sharps Bin 0.3 Litre
C05-3357 Mills Fibre Optic Cassette Connector Cleaner
B72-0052 Mills Yellow Fibre Cleaning Bag

Additional Box of 100 Fibre Optic Cleaning Wipes

B) MILLS FIBRE CLEANING KIT BAG (EMPTY)

Durable nylon fibre cleaning bag for holding fibre cleaning products, 0.3 litre sharps bin and small tools (not included).
Supplied with twin zips and integral sharps bin pocket.
Dimensions L 230mm x W 130mm x H 140mm.

PART NO.	DESCRIPTION
C05-0061	A) MILLS FIBRE OPTIC CLEANING KIT
B72-0052	B) MILLS FIBRE CLEANING KIT BAG (EMPTY)

MICROCARE STICKLERS FIBRE OPTIC CLEANING KIT A

Sticklers™ Fibre Optic Cleaning Kit contains the most popular items for cleaning fibre optic connectors and bare fibre prior to splicing.
Delivers 800+ perfectly clean connectors per kit.
Bright colour makes it easy to locate and harder to leave behind.
Features the unique Sticklers™ fibre optic splice and connector cleaner.
Oversized bag to allow space for additional equipment.
Unregulated for transportation.

Each kit contains:
2 x Sticklers™ Fibre Optic Splice & Connector Cleaner
50 x CleanStixx™ (30 x 2.5mm and 20 x 1.25mm)
1 x CleanWipe™ 90 Benchtop Wipes
1 x CleanWipe™ 400 Benchtop Wipes
25 x CleanWipe™ Outdoor Wipes
1 x LED inspection flash light

PART NO.	DESCRIPTION
C05-1313	MICROCARE STICKLERS FIBRE OPTIC CLEANING KIT A

MICROCARE STICKLERS MCC-FK08 HIGH-VOLUME FIBRE OPTIC CLEANING KIT

Microcare Sticklers high-volume fibre cleaning kit contains all the equipment needed to clean thousands of E2000, FC, LC, MU, SC & ST connectors. These kits are optimised for data centres, telco central offices and cable head-ends.
The kit includes enough supplies for 2,300+ assorted cleanings.

Kit includes:
1x 1.25mm ClickCleaner 750+ pen tool
1x 2.5mm ClickCleaner 750+ pen tool
2x Connector cleaning fluid
1x Cleanwipes 600 (optical grade)
1x Cleanwipes 90 tub
25x Outdoor Cleanwipes optical grade wipes
30x Cleaning Sticks for 2.5mm
20x Cleaning Sticks for 1.25mm
1x LED flashlight
1x Orange Carry Case

PART NO.	DESCRIPTION
C05-0080	MICROCARE STICKLERS MCC-FK08 HIGH-VOLUME FIBRE OPTIC CLEANING KIT

MILLS PRE-SATURATED IPA CLEAN WIPES PK 50

Mills pre-saturated IPA wipes are convenient and effective for fibre cleaning applications - each wipe contains an optimal amount of solvent for the cleaning task. Pre-saturated wipes replace dispensing bottles and glass containers, and minimise user exposure, improving health & safety.

Features and Benefits:

- Rapid evaporation
- Non-abrasive
- 50 sachets per box
- Safe on plastics
- All purpose cleaner for many applications

PART NO.	DESCRIPTION
C00-4313	MILLS PRE-SATURATED IPA CLEAN WIPES PK 50

MILLS FIBRE OPTIC WIPES PACK OF 90

Mills Fibre Optic Wipes are high quality, lint-free wipes engineered for cleaning bare fibre before splicing and for cleaning jumpers and other male connectors used in fibre optic networks. These wipes have exactly the right absorbency, quality and packaging to make cleaning fast, reliable and affordable.

Contents: 90 Wipes

Wipe Size: 120 x 53mm

Tub diameter: 70mm

Weight: 55g

PART NO.	DESCRIPTION
C00-4316	MILLS FIBRE OPTIC WIPES PACK OF 90

IPA WIPES (PRE-SATURATED) PK 50

These individually packaged, pre-saturated lint-free cleaning wipes contain 99% pure isopropyl alcohol (also known as IPA, (iso propanol) for fibre cleaning applications and all-purpose cleaning and degreasing.

The wipe is a high quality, non-abrasive non-woven fabric

PART NO.	DESCRIPTION
C00-7732	IPA WIPES (PRE-SATURATED) PK 50

STICKLERS FIBRE OPTIC CLEANING WIPES PK25

MicroCare Sticklers cleaning wipes are unique wipes which feature a high-purity, lint free fabric sealed in a waterproof and dustproof protective package that is opened just before use.

Each wipe cleans up to six connector end-faces.

Fits into tool boxes and pockets.

Supplied in packs of 25.

PART NO.	DESCRIPTION
C05-1314	STICKLERS FIBRE OPTIC CLEANING WIPES PK25

LINT FREE WIPES - BOX OF 280

Kimwipes nonabrasive, low-linting and low-extractable wipes for delicate task wiping. Perfect for general fibre cleaning applications.

Antistatic dispensing reduces electrostatic discharge. Supplied in a box of 280 wipes.

Wipe dimensions: 112 x 213mm (4.1/2" x 8.1/2").

PART NO.	DESCRIPTION
C00-1936	LINT FREE WIPES - BOX OF 280

MICROCARE STICKLERS FIBRE OPTIC CLEANING WIPES

MicroCare Sticklers high purity wipes are lint feee fabric wipes engineered for optical applications. Cleaner and softer than traditional cellulose wipes, they are ideal for cleaning optical fibre connector end faces. Each wipe is 10 x 5cm and they are supplied in tubs of 90 wipes.

PART NO.	DESCRIPTION
C05-1312	MICROCARE STICKLERS FIBRE OPTIC CLEANING WIPES

STICKLERS CLEAN WIPES (PK100) + PLASTIC BOX

Benchtop CleanWipes™ 600 - This high-modulus CleanWipe™ material won't rip, tear, shred or lint, for the best possible cleaning.

Features:

- Soft wiping material that won't scratch end-faces.
- Colour-coded CleanSlots™ monitor the cleaning process.
- Eliminates static.
- Contains 100 wipes.
- Each wipe is suitable for six connector cleans (Duplex and Simplex type LC and SC connectors)
- Free protection box included (10009917)

PART NO.	DESCRIPTION
C05-3968	STICKLERS CLEAN WIPES (PK100) + PLASTIC BOX (10009917)

MILLS CLEAN WIPE STORAGE BOX FOR STICKLERS BENCHTOP CLEANWIPES

Clean Wipe storage box, exclusive to Mills, and designed for the protection of Microcare Sticklers Benchtop CleanWipes 600 (C05-3967). The 2 compartment clam shell box is manufactured from transparent polypropylene and is ideal for protecting the Sticklers Clean Wipe Box, as well as making the box easier to dispense.

CleanWipes not included.

PART NO.	DESCRIPTION
C05-0176	MILLS CLEAN WIPE STORAGE BOX FOR STICKLERS BENCHTOP CLEANWIPES

FIBRE EQUIPMENT & TOOLING

Mills

MILLS CLEAN STICKS PK 100

A) Mills 2.5mm Clean Sticks are designed for cleaning fibre optic SC, ST and FC connectors.

B) Mills 1.25mm Clean Sticks are designed for cleaning fibre optic LC connectors.

Features:

Easy to use and very efficient

Delivers a consistently high level of cleaning performance

Easy to clean ferrule end-faces inside the plug-in fibre optic connectors and various adaptors

Lightweight and safe to use

Compact and disposable

Suitable for cleaning inside adaptors for dust control

Supplied in a pack of 100

PART NO.	DESCRIPTION
C00-4314	MILLS CLEAN STICKS 2.5MM PK 100
C00-4315	MILLS CLEAN STICKS 1.25MM PK 100

MICROCARE STICKLERS FIBRE OPTIC CLEANSTIXX

Sticklers cleaning sticks from MicroCare for cleaning fibre components such as couplers, adaptors and other alignment sleeves.

- High-purity, lint-free, precision "swab" for cleaning fibre optic end-faces
- Moulded fibrous tip out-performs foam or cloth nibs
- Tip conforms to end-faces including APC
- Cleans the entire end-face, not just the contact area

A) 1.25mm green cleaning stick is suitable for LC and MU connectors. Supplied in packs of 50.

B) 2.5mm blue cleaning stick is suitable for SC, ST, FC, ASC, AFC etc connectors. Supplied in packs of 50.

C) 1.25mm green cleaning stick is suitable for LC and MU connectors and is supplied in tubes of 40.

D) 2.5mm blue cleaning stick is suitable for SC, ST, FC, ASC, AFC etc connectors and is supplied in tubes of 40.

PART NO.	DESCRIPTION
C05-1309	A) CLEANSTIXX 1.25MM - PACK OF 50
C05-1310	B) CLEANSTIXX 2.5MM - PACK OF 50

PART NO.	DESCRIPTION
C05-0066	C) CLEANSTIXX 1.25MM - TUBE OF 40
C05-0070	D) CLEANSTIXX 2.5MM - TUBE OF 40

TEMPO CLEANING SWABS PK100

Precision cleaning swabs used to clean bulkhead ferrules and inside mating sleeves.

Available in **A) 2.5mm** and **B) 1.25mm** versions

- Cleans the Entire Ferrule End Face.
- Single use.
- Sold in packs of 100

PART NO.	DESCRIPTION
C00-4142	TEMPO CLEANING SWABS 1.25MM PK100
C00-4143	TEMPO CLEANING SWABS 2.5MM PK100

TEMPO REEL-CLN OPTI-CLEAN FIBRE CONNECTOR CLEANER

The Opti-Clean reel cleaner is an essential tool to clean fibre optic connectors. It is the best dry method for cleaning fibre optic termini such as SC, LC, FC, ST, E2000 and other common connectors.

Features include:

- Cleaning count > 600 times
- Lint free cleaning tape
- Cleans the Entire Ferrule End Face
- Antistatic design
- Effective and efficient ferrule end face cleaning
- Easy to replace fibre spools available

Dimensions: 130 x 88 x 32mm

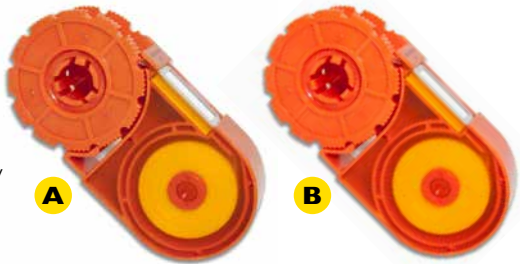| PART NO.	DESCRIPTION
C00-4140	A) TEMPO REEL-CLN OPTI-CLEAN FIBRE CONNECTOR CLEANER
C00-4141	B) TEMPO REEL-CLN-SP OPTI-CLEAN REEL CLEANER REPLACEMENT SPOOL

STICKLERS CASSETTE CLEANCLICKER

These Cassette CleanClicker Connector Cleaners have a clear housing window to make it easy for the operator to identify how much cleaning ribbon is remaining on the cassette. These cassette cleaners are a one time use cassette and use a micro-woven cleaning ribbon that is highly absorbent to wick away residues. The weave pattern combined with the ribbon's softness provides excellent wiping performance for removing dust particles without scratching the glass, ceramic and composite ferrule end faces. They are available in the following options:

A) C05-4803 cleans all standard single fibre connectors including SC duplex, LC duplex, FC, ST and E2000 connectors.

This version will also clean the female (no guide pins) MPO connectors.

B) C05-4591 is made to clean the male (with guide pin) MPO connectors.

The backing in the cleaning window is cut to accept the guide pins so the fibre array is being wiped effectively by the cleaning ribbon.

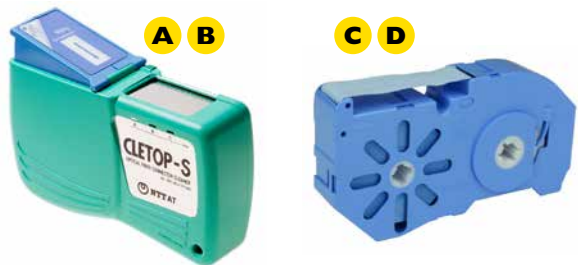| PART NO.	DESCRIPTION
C05-4803	A) CLEANCLICKER - FOR STANDARD SINGLE FIBRE CONNECTORS
C05-4591	B) CLEANCLICKER - FOR MALE (WITH GUIDE PIN) MPO CONNECTORS

CLETOP-S FIBRE OPTIC CONNECTOR FERRULE END FACE CLEANER

The Original Cletop-S Fibre Optic Connector Ferrule End Face Cleaner.

CLETOP-S are cassette style fibre optic connector cleaner systems that can be refilled for reducing cleaning costs. They use densely woven micro-fibre cleaning fabrics to remove harmful contaminates off of the ferrule end face. The CLETOP and CLETOP-S cassette cleaning tools will accommodate all single fibre connections, giving upto 400 cleans per cassette- Available in Model A or B with replacement cassette as follows.

A) C00-0463 Type-S A: Designed for single 2.5 mm ferrules (FC, SC, SC2, ST, DIN and D4).

B) C00-7038 Type-S B: Designed for MU, LC, MT, MPO/MTP without pins, MT-RJ without pins (will also clean 2.5mm ferrules).

PART NO.	DESCRIPTION
C00-0463	A) CLETOP-S TYPE A CASSETTE FIBRE OPTIC CLEANER
C00-7038	B) CLETOP-S TYPE B CASSETTE FIBRE OPTIC CLEANER
C00-0468	C) REPLACEMENT CARTRIDGE FOR C00-0463
C00-7039	D) REPLACEMENT CARTRIDGE FOR C00-7038

SEIKOH GIKEN HANDIMATE CLEANERS

This Seikoh Giken HandiMate in just one sliding motion enables to remove contamination such as dust or oil on optical connector end-facewith cleaning cloth provides further usability and reliability to the users and achieving cleaning more than 500 times. Dimensions H110×W68×D28mm (Cap opened)-Available in two options:

A) Seikoh Giken Handimate Cleaner SM-502 Duplex LC and Duplex MU connectors in addition to Simplex SC,FC,ST,LC and MU connectors.

B) Seikoh Giken Handimate Cleaner SM-503 for SC, FC, ST, LC, MU for PC and APC. Duplex LC/PC,Duplex MU/PC connectors.

PART NO.	DESCRIPTION
C05-1099	A) SEIKOH GIKEN HANDIMATE CLEANER SM-502
C05-1128	B) SEIKOH GIKEN HANDIMATE CLEANER SM-503

FIBRE OPTIC CASSETTE 1.25 AND 2.5MM CLEANER

A cost effective self-contained fibre connector cleaner is designed to remove fine particles from the optical faces of fibre connectors consistently providing high quality cleaning without alcohol or other solvents and effective for over 500 wipes. Cleans a wide variety of UPC and APC connectors such as SC, FC, ST, LC, MU, E2000.

PART NO.	DESCRIPTION
C05-3357	FIBRE OPTIC CASSETTE 1.25 AND 2.5MM CLEANER

CLEAN CORE CASSETTE

A simple low cost connector cleaner with replacement cartridge utilising a fabric on a cassette which quickly dry cleans all Simplex fibre connectors. The cassette can be advanced over 400 times.

PART NO.	DESCRIPTION
C00-9819	A) CLEAN CORE CASSETTE
C00-9840	B) REPLACEMENT CASSETTE

FIBRE EQUIPMENT & TOOLING

LOW COST FIBRE CLEANING PENS

Fibre optic pen cleaner with push click action, for use with LC (1.25mm) and FC,SC & ST (2.5mm) fibre connectors and adaptors. Easy push click action and sturdy construction.

Features:
• Push click handheld cleaner tool
• 800 clean cycles

PART NO.	DESCRIPTION
C92-3025	A) SC 2.5MM CLEAN CLICK PEN
C92-3019	B) LC 1.25MM CLEAN CLICK PEN

STICKLERS 1K+ CLEANCLICKER

The Sticklers CleanClicker +1k – has the capability to clean (a minimum of) 1,000 connectors per device. Industry leader with 1,000 to 1,200 clicks per clicker. Proprietary bundled microfiber cleaning strand cleans end faces with one click. Static dissipative materials minimize static build-up during cleaning. Compact size, ideal for tool kits and belts.

A) 2.5mm version: Cleans ST, SC, FC, OPTI-Tap, APC, and UPC style.

B) 1.25mm version: Cleans LC and MU, APC and UPC style.

PART NO.	DESCRIPTION
C05-5805	A) STICKLERS 1K+ CLEANCLICKER FOR 2.5 MM FERRULES
C05-5804	B) STICKLERS 1K+CLEANCLICKER FOR 1.25MM FERRULES

A) STICKLERS™ CLEANCLICKER™ FIBRE CONNECTOR CLEANERS

The Sticklers® CleanClicker™ 1.25mm and 2.5mm fibre optic connector cleaners are the latest cleaning innovation from the experts at Sticklers. These rugged, precision cleaners use a smooth click-to-clean push-action with light tip forces to reduce the risk of end-face damage. With over 750 cleans, the Sticklers CleanClicker is perfect for cleaning any size network, any installation; from single to thousands of connectors.Available in in two sizes: 1.25mm for LC,MU; UPC/APC (C05-5800) and 2.5mm for SC,ST,E2000;UPC/APC (C05-5802) Connectors. Refills for both sizes avaialble

B) STICKLERS® CLEANCLICKER™ MPO/MPT CONNECTOR CLEANER

The Stickler (MCC-CCMPO) Cleanclicker Tool - MPO/MTP Fibre Optic Connector Cleaning Tool 600+ Cleans - Use On flat or angled 8 Deg MPO/MTP adaptors for Cleaning End Face Of Connector In Situ.

Refills not available. Once the 600+ wipes have been used the tool should be safely disposed of.

PART NO.	DESCRIPTION
C05-5800	A) CLEANCLICKER 1.25MM FERRULES
C05-5801	A) CLEANCLICKER 1.25MM REFILL FOR C05-5800 PKT 2
C05-5802	A) CLEANCLICKER 2.5MM
C05-5803	A) CLEANCLICKER 2.5MM REFILL FOR C05-5802 PKT 2
C00-6700	B) CLEANCLICKER™ MPO FIBRE CONNECTOR CLEANER

FERRULEMATE FIBRE CLEANERS

FerruleMate fibre cleaners - FerruleMate 2.0. Utilising a patented rotating cleaning tip and unique Slide-Guide cleaning cloth giving over 500 cleans

The contoured tip fits easily into the feed-through adapter and the self-actuated cleaning tape feed provides an audible "Click" confirming that the cleaning is successful. Connector cleaning performance is guaranteed as the FerruleMate 2.0 cleans beyond the critical fibre core and deep into the contact area while still seated in a bulkhead adaptor. Available for MPO, 2.5mm and 1.25mm options as follows

A) FERRULEMATE FIBRE CLEANING PENS

MPO Cleaner Pen, Universal 2.00mm O.D. Ferrule Application with 500+ cleanings per unit = Ultra low cost per connector cleaned.

B) FERRULEMATE FIBRE CLEANING PENS

FC/SC/ST Cleaner Pen, Universal 2.50mm O.D. Ferrule Application with 800+ cleanings per unit = Ultra low cost per connector cleaned.

C) FERRULEMATE FIBRE CLEANING PENS

LC/MU Cleaner Pen, Universal 1.25mm O.D. Ferrule Application with 800+ cleanings per unit = Ultra low cost per connector cleaned.

PART NO.	DESCRIPTION
C05-1068	A) FERRULEMATE 2.0 MPO FIBRE CLEANER PEN 2.0MM
C05-9331	B) FERRULEMATE 2.0 FC/SC/ST FIBRE CLEANER PEN 2.50MM
C05-9329	C) FERRULEMATE 2.0 LC/MU FIBRE CLEANER PEN 1.25MM

MILLS FIBRE CLEANER 60ML

Mills Fibre Cleaner is formulated for cleaning optical fibre end faces. It is an ideal and safer alternative to conventional IPA, and will dissipate static to remove surface charges so that the surface is less likely to be re-contaminated.

This fibre cleaner is fast drying, water based, non toxic and non flammable.

Supplied in a reusable 60ml spray container.

Formerly S83-6680.

PART NO.	DESCRIPTION
S27-1965	MILLS FIBRE CLEANER 60ML

MILLS FIBRE CLEANER 0.95 LITRE

Mills Fibre Cleaner is formulated for cleaning optical fibre end faces. It is an ideal and safer alternative to conventional IPA, and dissipates static to remove surface charges so that the surface is less likely to be re-contaminated.

This fibre cleaner is fast drying, water based, non toxic and non flammable

Supplied in a 0.95 Litre container, ideal for refilling the smaller 60ml resealable container (S27-1965).

Formerly S83-1822.

PART NO.	DESCRIPTION
S27-1966	MILLS FIBRE CLEANER 0.95 LITRE

STICKLERS FIBRE OPTIC SPLICE AND CONNECTOR CLEANER

The industry's only product specifically engineered for cleaning fibre optic connectors or fibre before splicing.

Non-hazardous, non-flammable, plastic-safe. Fast drying - can't be trapped inside connectors. Unique Triton™ spray cap is spill-proof & convenient. Compatible with Sticklers™ CleanWipes™, Sticklers™ CleanStixx™, Cletops® and "One-Click" tools supplied in a non-pressurised travel safe container. Not regulated for transportation.

PART NO.	DESCRIPTION
C05-3966	A) FIBRE OPTIC SPLICE AND CONNECTOR CLEANER 85G
C05-3965	B) FIBRE OPTIC SPLICE AND CONNECTOR CLEANER 284G

MILLS IPA WATER MIX 1 LITRE

A mix of 90% Isopropyl alcohol to 10% water for cleaning of fibre optic cable and connector end faces.

The IPA should be decanted into a solvent dispenser, such as Mills C00-8296, and used in conjunction with cleaning wipes and buds for removing dirt and contamination from fibre connectors.

The IPA Mix evaporates after application and leaves no residue

Contents 1 Litre.

PART NO.	DESCRIPTION
C00-3036	MILLS IPA WATER MIX 1 LITRE

MILLS IPA SOLVENT SPRAY 400ML

A universally safe solvent cleaner containing a mix of 100% Isopropyl alcohol to 10% water.

Use on Printed Circuit Boards, Optical Equipment, Lenses, Precision Instruments and other delicate components as well as in conjunction with cleaning wipes and buds for removing dirt and contamination from fibre connectors.

The IPA mix evaporates after application and leaves no residue.

Contents 400ml.

PART NO.	DESCRIPTION
C00-4827	MILLS IPA SOLVENT SPRAY 400ML

WHITE SPIRIT

Supplied in 750ml and 2 litre containers for removal of grease and gel from optical fibre cable. Conforms to BS245.

PART NO.	DESCRIPTION
R02-3014	WHITE SPIRIT 750ML
R02-3034	WHITE SPIRIT 2 LITRES

MILLS FIBRE CABLE DEGREASER 0.95 LITRE

The Mills Fibre Cable Degreaser is a high performance, alcohol free cable gel solvent cleaner specifically developed for the safe and easy removal of cable gels and blocking compounds from fibre optic communication cables.

Removes dirt, grime, grease, tar, oil, wax, resin and gum from cables, tools, painted surfaces and equipment. The fibre cleaner leaves no residue after evaporation and cleans without leaving a sticky residue and is a good replacement for white spirit, normally applied with wipes or towels.

Supplied in a 0.95 Litre resealable metal container.

Formerly S83-1820.

PART NO.	DESCRIPTION
S27-1964	MILLS FIBRE CABLE DEGREASER 0.95 LITRE

A) MILLS IPA DISPENSER 8OZ 250ML

Manufactured from high density polyethylene with a one handed dispensing pump making it ideal for delivering small amounts of IPA. The cap locks securely for storage and transportation purposes.

B) JONARD FD-220 220ML FLUID DISPENSER

The FD-220 Dispenser is designed to store and dispense cleaning fluids, such as isopropyl alcohol, to clean the end-faces of fibre optic cables.

PART NO.	DESCRIPTION
C00-8296	A) MILLS IPA DISPENSER 8OZ 250ML
E00-0973	B) JONARD FD-220 220ML FLUID DISPENSER

FIBRE EQUIPMENT & TOOLING

Mills EST. 1919

LASER SAFETY SPECTACLES - GREEN LENS

Wraparound frame laser safety spectacles for use when working with live fibre cables and equipment. Supersedes the discontinued S26-8261 laser safety goggles.

- Wraparound frame - Med/Large size
- Adjustable temple lengths and angle
- 8 base lens curvature for full coverage
- Comfort fit
- CE Certified

See millsltd.com for full specifications.

PART NO.	DESCRIPTION
S26-5927	LASER SAFETY SPECTACLES - GREEN LENS

BOLLE BANDIDO SAFETY SPECTACLES

Green laser safety glasses designed to be worn over prescription spectacles for use when working with live fibre cables and equipment.

Specifications:

- Optical Density:
  800 - 1700nm OD4+
- 900 - 1550nm OD6+
- LB-Rating:
  800 - 1400nm DIRM LB4
- 900 - 1400nm DIRM LB6
- 1400 - 1700nm DI LB3
- Transmittance: 18%

- Available for:
  980nm, 1064nm, 1320nm, 1470nm, 1550nm
- Application:
  Diodes, ND: YAG, Telecom
- According: CE EN207

PART NO.	DESCRIPTION
S26-5928	LASER SAFETY GLASSES (OVER SPECS)

BOLLE BANDIDO SAFETY SPECTACLES

Made entirely of highly-resistant polycarbonate, these are the perfect value safety spectacle option.

- Mechanical risk - Low energy impact - F
- Low energy impact, resists a 6 mm, 0.86 g ball at 45 m/s
- Mechanical risk- High speed particles at extreme temperatures - T
  The letter T, immediately after the mechanical strength symbol, authorises use for high speed particles at extreme temperatures
- Available in clear or smoked

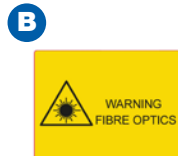| PART NO.	DESCRIPTION
S26-5924	A) BOLLE BANDIDO SAFETY SPECS (CLEAR)
S26-5925	B) BOLLE BANDIDO SAFETY SPECS (SMOKED)

A) FIBRE OPTIC LASER WARNING LABEL

Self adhesive label for use on singlemode fibre applications to warn of laser hazards associated with un-capped connectors and adaptors. Digital permanent adhesive, vinyl gloss laminated.
Colour: Yellow
Dimensions: 55mm x 70mm

B) FIBRE OPTIC LASER WARNING LABEL

Self adhesive label for use on singlemode fibre applications to warn of laser hazards associated with un-capped connectors and adaptors. Digital permanent adhesive, vinyl gloss laminated.
Colour: Yellow
Dimensions: 25mm x 50mm.

PART NO.	DESCRIPTION
S83-1751	FIBRE OPTIC LASER WARNING LABEL 55MM X 70MM
S83-1752	FIBRE OPTIC LASER WARNING LABEL 25MM X 50MM

GENERAL PURPOSE TWEEZERS & FORCEPS

PART NO.	DESCRIPTION
E15-1276	A) 125MM STRAIGHT TWEEZERS
E15-1281	B) 120MM BENT TWEEZERS
E15-1272	C) 160MM STRAIGHT FORCEPS
M99-6919	D) 92MM STRAIGHT TWEEZERS WITH 4 X MAGNIFICATION
E15-1277	E) 110MM PLASTIC TWEEZERS

MICROCARE STICKLERS MULTICLEAN MULTITASK SURFACE CLEANER 400ML

This versatile cleaner effectively removes white residue from PCBs, as well as most solder pastes found on SMT stencils. It also cleans organic and ionic residues, light oils and other contaminants commonly found in the manufacture of medical devices. 70% High Purity Grade Isopropyl Alcohol (IPA) and 30% High Purity Deionized (D.I.) Water.

PART NO.	DESCRIPTION
C05-1648	MICROCARE STICKLERS MULTICLEAN MULTITASK SURFACE CLEANER 400ML

ODM VIS 300C USB AND WIFI VIDEO FIBRE INSPECTION PROBE

ODM VIS300C – is a combined fibre Inspection Scope with Optical Power Meter & Visual Fault Locator with analysis software, memory, reports, & Wi-Fi data transfer. Up to 25,000 test results can be stored and compiled in project folders that are immediately synthesized into closeout reports at the touch of a button. The integrated Wi-Fi capability allows users to send reports directly to customer inboxes or cloud storage folders.

Features:
- 5" (12.7 cm) Multi-Touch LCD Display
- Interchangeable Adapter Tips
- Test Result Sharing via Wi-Fi or USB Cable to PC Connection
- Expansive Storage & Instant Reports with Custom Parameters
- Automated Analysis Compliant with IEC 61300-3-35 Standards
- Optical Power Meter
- Visual Fault Locator

PART NO.	DESCRIPTION
C00-5290	ODM VIS 300C USB AND WIFI VIDEO FIBRE INSPECTION PROBE

400X FIBRE MICROSCOPE

Handheld and lightweight microscope available in 200x and 400x magnifications. Light passes through the objective lens and adapter tip, striking the ferrule perpendicular to the end face, producing a high level of resolution and excellent detail of scratches and contamination.

Features:
- White LED illumination provides 100,000 hours life
- A third of the cost of industry standard microscopes
- Perfect vision of ferrules
- Handheld & lightweight
- Momentary on/off switch for light source
- Fine focus control wheel
- Includes LC Adaptor
- Robust construction
- Built-in IR filter

PART NO.	DESCRIPTION
C00-7929	400X FIBRE MICROSCOPE

MILLS FIBRE TALK SET

The Mills Fibre Talk Set allows fast and easy communication via a free optical fibre during installation, maintenance, and operation of fibre optic cables. Voice transmission is carried out using modulated light signals. The integrated headset makes it easier to understand, even in a noisy environment.

The Mills Fibre Talk Set is a hands free unit designed for transmitting voice in both directions on a single fibre using 1310/1550nm single mode wavelength. This duplex optical talk set has SC/PC connectors and a dynamic range of 45dB, giving a dynamic range up to 120km over a single mode cable. The talk set is rechargeable using the AC adaptor giving an operational time of at least 12 hours.

The Mills Fibre Talk comprises, Optical Talk Set (A & B), 2 x Headsets with Microphone, Carry Case, 240v UK Charger and Instruction Manual.

PART NO.	DESCRIPTION
C00-2545	MILLS FIBRE TALK SET

FIBRE EQUIPMENT & TOOLING

FOR OUR RANGE OF CUSTOMER TERMINATION POINTS

SEE PAGES 32-37

FOR OUR RANGE OF EXTERNAL FIBRE ENCLOSURES

SEE PAGES 70-73, 98-111

FOR OUR RANGE OF FIBRE TEST & MEASUREMENT EQUIPMENT
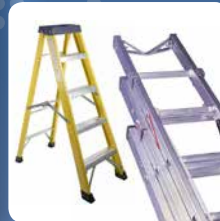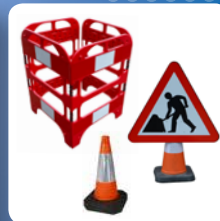
SEE PAGES 468-485

FOR OUR RANGE OF FIBRE PATCH LEADS

SEE PAGES 39-45

Civils & Site Equipment

MILLS PLASTIC GATE GUARDS

The Mills folding barrier system is designed for use around underground chambers, cable laying and other temporary excavations. Available in 3 and 4 sided options.

• Compliant with Chapter 8 Streetworks
• Made from HDPE
• Compatible with existing barriers on the market.
• Folds compactly for easy transportation and storage
• Individual barrier weight: 2kg
• Heavy duty multi fingered gate guard clips
• Length each gate: 750mm
• Height each gate: 1000mm

A) Mills 4 Sided Gate Guard
• Length single gate 750mm
• Total unfolded Length 3000mm
• Height 1000mm
• Total Weight 8kg

B) Mills 3 Sided Gate Guard
• Length single gate 750mm
• Total unfolded Length 2250mm
• Height 1000mm
• Total Weight 6kg

C) Mills Replacement Plastic Double Gate Guard Clip
Single gate guard clip for use with S00-5646 Mills 3 sided plastic gateguard and S00-6123 Mills 4 sided plastic gateguard. Formerly S00-5598.

D) Mills Gate Guard Clip Board
An A4 clipboard manufactured from 3mm white Acrylic cut to size with radius corners and bent into a hook shape to allow for easy hanging on gate guards.

E) Mills Traffic Sandbags
Black 5kg traffic sand bags with carry/hanging handle. Supplied prefilled with gravel.

F) Stabilising Plastic Gate Guard Base
The plastic gate guard foot allows the Mills plastic gate guard range to be used in a straight run, as well as adding ballast and stability. When adding four feet to a S00-6123 Mills Plastic 4 sided gate guard in a square configuration, the barrier meets category A wind loading requirements (59mph wind). Weight 2.6kg.

G) Mills Plastic Gate Guard Utility Hook
The utility hook clips into place using the round cavities on the back face of the barrier, allowing the user to hang various products such as traffic sandbags, portable lights, first aid kits etc.

Features:
• Long lasting and robust.
• Manufactured from 100% recyclable polypropylene.
• Fits many popular plastic barriers.
• Dimensions 60 x 23 x 48mm

H) Reflective Strip Class RA2 for Mills Plastic Gate Guards - Pack of 12
Pack of 12 self-adhesive replacement reflective strips for Mills plastic gate guards. Manufactured to BS EN 12899-1:2007, with Class RA2 coefficient of retroflection & daylight chromacity & luminance of Class CR2.

PART NO.	DESCRIPTION
S00-6123	A) MILLS 4-SIDED GATE GUARD
S00-5646	B) MILLS 3-SIDED GATE GUARD
S00-5500	C) MILLS REPLACEMENT PLASTIC DOUBLE GATE GUARD CLIP
S00-2544	D) GATE GUARD CLIP BOARD

PART NO.	DESCRIPTION
S00-6725	E) MILLS TRAFFIC SANDBAGS - BLACK 5KG
S00-3802	F) STABILISING PLASTIC GATE GUARD BASE
S00-6124	G) MILLS PLASTIC GATE GUARD UTILITY HOOK
S00-0500	H) REFLECTIVE STRIP CLASS RA2 FOR MILLS PLASTIC GATE GUARDS - PACK OF 12

MERGON 2 METRE BARRIER SYSTEMS

A) Mergon's innovative standard 2m barrier allows for pedestrian walkways to be easily organised, monitored and controlled. As a one piece design, the barriers are easily connected and have stacking features which ensures they can be transported from location to location.

- Certified to highest quality standards:
  ISO 9000, ISO 14001 and ISO 13485
- Can accommodate 2 types of courtesy sign
- Manufactured from virgin high density polyethylene
- Certified to highest quality standards:
  ISO 9000, ISO 14001 and ISO 13485

B) Mergon's innovative folding 2m barrier systems offer complete versatility for utility and general construction applications. You can create various configurations for road works / highway utility installations.

- Conforms to BSEN8442
- Reflectivity requirement to BSEN 12899-1 Chapter 8 – Traffic Signs Manual / Red Book 2014
- Can accommodate 2 types of courtesy sign
- Sliding clip, which fits other types of barriers
- Manufactured from virgin high density polyethylene
- Replacement feet available (S00-4864)

PART NO.	DESCRIPTION
S00-6089	A) STANDARD 2M MERGON BARRIER
S00-6087	B) FOLDING MERGON 2M BARRIER
S00-4864	REPLACEMENT ANTI-TRIP FOOT WITH SPIGOT

BUNGY SIGNS

High quality roll up reflective (BS873-Class 2) signs, 600 x 450mm and supplied with 4 bungy straps, making them easy to strap to gate guards, road barriers, chain link fencing etc.

Available from stock in the following variants and also can be customised to produce courtesy and information signs (e) - (minimum order 10).

Please ring our Sales Office to discuss your requirements on 020 8833 2626

PART NO.	DESCRIPTION
S09-4442	A) BUNGY SIGN PEDESTRIAN 600MM X 440MM
S00-2689	B) BUNGY SIGN FOOTWAY CLOSED AHEAD 600 X 600MM
S00-2690	C) BUNGY SIGN FOOTWAY CLOSED 600 X 600MM
S00-2694	D) BUNGY SIGN PEDESTRIANS PLEASE USE OTHER FOOTWAY 600X600MM
	E) BUNGY SIGN 'CUSTOMISED COURTESY'

METAL GATE GUARDS

Mills Metal Gate Guards available in 3 and 4 gate options. The gates are manufactured from steel tube and have two high-visibility replacable reflective strips. Compliant with Chapter 8 Streetworks. Hinged nylon clips enable fast, simple assembly in 4-way configurations.

Length each gate 750mm
Height each gate 1000mm
Weight each gate 2.6kg

PART NO.	DESCRIPTION
S00-1170	A) 3 SIDED MILLS METAL GATE GUARD
S00-1172	B) 4 SIDED MILLS METAL GATE GUARD
S00-4264	C) CLIP ON PEDESTRIAN SIGN WITH REVERSIBLE ARROW
S00-4565	D) REPLACEMENT REFLECTIVE STRIPS (PKT 2)
S00-4744	E) REPLACEMENT GATE GUARD CLIP
S00-2544	F) GATE GUARD CLIP BOARD
S00-6725	G)MILLS TRAFFIC SANDBAGS- BLACK 5KG

MILLS CONE SIGNS

Temporary road sign for mounting on a road cone. Designed to fit 30" (750mm) and 39" (1000mm) cones. This lightweight and slim design ensures your road signage can be quickly and easily stored and deployed from the vehicle taking up limited space and weight. The sign is extremely strong and durable. Manufactured from plastic, the sign has construction grade fixing straps on the rear to hook over a traffic cone.

Although lightweight, the angled sign is designed to give a strong wind resistance.

• Non Reflective on black recycled plastic
• Space saving advantage due to flat pack design
• Lightweight to assist with weight restrictions in vehicles.

Cone not included.

The cone signs are available separately or as a complete Mills Cone Sign Kit Full Chapter 8 for 750mm Cones, comprising:

• 2 x S00-2647 Man at Work / Road Works Cone Signs
• 2 x S00-2648 Man at Work / Road Works complete with 2 x END supplementary signs
• 2 x S00-2650 Reversible Road Arrows Left/Right Cone Sign
• 2 x S83-2651 Road Narrows Left/Right Cone Sign
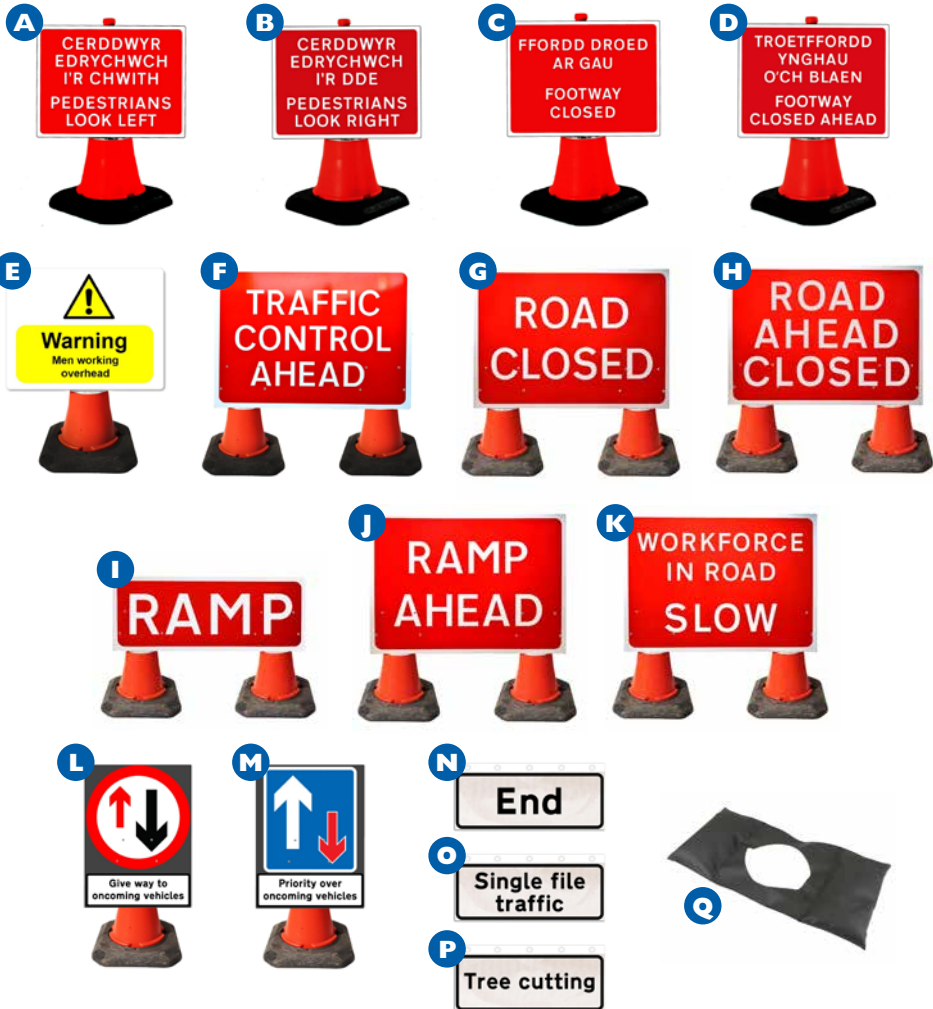
Full Range Of Signs Available

PART NO.	DESCRIPTION
S00-0518	A) CONE SIGN KIT FULL CHAPTER 8 FOR 750MM CONES
S00-8834	B) MEN AT WORK ROADWORKS CONE SIGN 750MM
S83-2698	C) ROAD NARROWS LEFT CONE SIGN 750MM
S83-2699	D) ROAD NARROWS RIGHT CONE SIGN 750MM
S00-0517	E) LEFT / RIGHT REVERSIBLE ARROW CONE SIGN 750MM
S09-1499	F) TRAFFIC SIGNALS AHEAD CONE SIGN 750MM
S09-1564	G) EXCLAMATION MARK OTHER DANGER AHEAD CONE SIGN 750MM
S00-3676	H) PEDESTRIANS KEEP LEFT CONE SIGN 650MM X 450MM
S00-3677	I) MILLS PEDESTRIANS KEEP RIGHT CONE SIGN 650MM X 450MM
S00-0496	J) PEDESTRIANS KEEP L/R REVERSIBLE CONE SIGN 650MM X 450MM

PART NO.	DESCRIPTION
S09-1568	K) PEDESTRIANS LOOK LEFT CONE SIGN 600 X 450MM
S09-1569	L) PEDESTRIANS LOOK RIGHT CONE SIGN 600 X 450MM
S09-1570	M) PEDESTRIANS LOOK BOTH WAYS CONE SIGN 600 X 450MM
S09-1501	N) PEDESTRIANS WAIT HERE CONE SIGN 600 X 450MM
S09-1497	O) PEDESTRIANS USE OTHER FOOTWAY CONE SIGN 600 X 450MM
S09-1496	P) FOOTWAY CLOSED CONE SIGN 650MM X 450MM
S09-4303	Q) FOOTWAY CLOSED AHEAD CONE SIGN 650MM X 450MM
S09-1500	R) CYCLISTS DISMOUNT AND USE FOOTWAY CONE SIGN 600 X 450MM

MILLS CONE SIGNS - CONTINUED

A CERDDWYR EDRYCHWCH I'R CHWITH / PEDESTRIANS LOOK LEFT

B CERDDWYR EDRYCHWCH I'R DDE / PEDESTRIANS LOOK RIGHT

C FFORDD DROED AR GAU / FOOTWAY CLOSED

D TROETFFORDD YNGHAU O'CH BLAEN / FOOTWAY CLOSED AHEAD

E Warning Men working overhead

F TRAFFIC CONTROL AHEAD

G ROAD CLOSED

H ROAD AHEAD CLOSED

I RAMP

J RAMP AHEAD

K WORKFORCE IN ROAD SLOW

L Give way to oncoming vehicles

M Priority over oncoming vehicles

N End

O Single file traffic

P Tree cutting

Q

PART NO.	DESCRIPTION
S09-1560	A) PEDESTRIANS LOOK LEFT / CERDDWYR EDRYCHWCH I'R CHWITH CONE SIGN 600 X 450MM
S09-1561	B) PEDESTRIANS LOOK RIGHT / CERDDWYR EDRYCHWCH I'R DDE CONE SIGN 600 X 450MM
S09-1562	C) FOOTWAY CLOSED / FFORDD DROED AR GAU CONE SIGN 600 X 450MM
S09-1563	D) FOOTWAY CLOSED AHEAD / TROETFFORDD YNGHAU O'CH BLAEN CONE SIGN 600 X 450MM
S09-1503	E) WARNING MEN WORKING OVERHEAD CONE SIGN 650MM X 450MM
S09-1498	F) TRAFFIC CONTROL AHEAD CONE SIGN 1050 X 750MM
S09-1300	G) ROAD CLOSED CONE SIGN - 1050 X 750MM
S09-1301	H) ROAD AHEAD CLOSED CONE SIGN - 1050 X 750MM

PART NO.	DESCRIPTION
S09-1566	I) RAMP CONE SIGN - 1050 X 450MM
S09-1567	J) RAMP AHEAD CONE SIGN - 1050 X 750MM
S09-1556	K) WORKFORCE IN ROAD SLOW CONE SIGN 1050 X 750MM
S09-1554	L) GIVE WAY TO ONCOMING VEHICLES CONE SIGN 560 X 750MM
S09-1555	M) PRIORITY OVER ONCOMING VEHICLES CONE SIGN 560 X 750MM
S09-1557	N) END - SUPPLEMENTARY PLATE FOR 750MM CONE SIGNS
S09-1558	O) SINGLE FILE TRAFFIC - SUPPLEMENTARY PLATE FOR 750MM CONE SIGNS
S09-1559	P) TREE CUTTING - SUPPLEMENTARY PLATE FOR 750MM CONE SIGNS
S00-7192	Q) ROAD CONE SANDBAG

COLLAPSIBLE ROAD SIGNS

- Heavy duty galvanised steel frame
- Erect in seconds
- Easy to store
- Ballast hanging hook

Arrow road signs are reversible for left or right direction.

Full Range Of Signs Available

x2
x2
x2
x2

End

Movable 610 Arrow Left / Right

Movable Road Narrows Left / Right

Weight Bag x8

Sign & Tripod Storage Bag x8

PEDESTRIANS
PEDESTRIANS USE OTHER FOOTWAY
FOOTWAY CLOSED

WORKFORCE IN ROAD SLOW
ROAD AHEAD CLOSED
ROAD CLOSED
WHEN RED LIGHT SHOWS WAIT HERE
TEMPORARY OBSTRUCTION 15 MINUTES DELAY

End
Overhead works
Tree cutting
Single file traffic

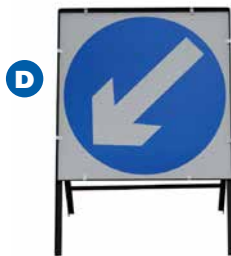| PART NO.	DESCRIPTION
S09-1491	A) CHAPTER 8 COLLAPSIBLE ROAD SIGN PACK 750MM
S09-9472	B) KEEP LEFT & RIGHT ARROW COLLAPSIBLE ROAD SIGN 750MM
S09-9473	C) MEN AT WORK ROADWORKS COLLAPSIBLE ROAD SIGN 750MM
S09-9474	D) ROAD NARROWS LEFT / RIGHT COLLAPSIBLE SIGN 750MM
S09-1565	E) MILLS EXCLAMATION MARK, OTHER DANGER AHEAD COLLAPSIBLE ROAD SIGN 750MM
S09-9475	F) PEDESTRIANS COLLAPSIBLE ROAD SIGN 600 X 450MM
S09-1493	G) PEDESTRIANS USE OTHER FOOTWAY COLLAPSIBLE ROAD SIGN 600 X 450MM
S09-1494	H) FOOTWAY CLOSED COLLAPSIBLE ROAD SIGN 600 X 450MM
S09-1302	I) WORKFORCE IN ROAD SLOW COLLAPSIBLE ROAD SIGN 750MM

PART NO.	DESCRIPTION
S09-1305	J) ROAD AHEAD CLOSED COLLAPSIBLE ROAD SIGN 750MM
S09-1304	K) ROAD CLOSED COLLAPSIBLE ROAD SIGN 750MM
S09-1303	L) WHEN RED LIGHT SHOWS WAIT HERE COLLAPSIBLE ROAD SIGN 750MM
S09-1307	M) TEMPORARY OBSTRUCTION 15 MINS DELAY COLLAPSIBLE ROAD SIGN 750MM
S09-4443	N) END - SUPPLEMENTARY PLATE FOR 750MM COLLAPSIBLE ROAD SIGNS.
S09-1550	O) OVERHEAD WORKS - SUPPLEMENTARY PLATE FOR 750MM COLLAPSIBLE ROAD SIGNS
S09-1551	P) TREE CUTTING - SUPPLEMENTARY PLATE FOR 750MM COLLAPSIBLE ROAD SIGNS
S09-1552	Q) SINGLE FILE TRAFFIC - SUPPLEMENTARY PLATE FOR 750MM COLLAPSIBLE ROAD SIGNS
S09-1553	R) 750MM COLLAPSIBLE SIGN & TRIPOD CARRY BAG
S09-1306	S) REPLACEMENT METAL TRIPOD FOR 750MM COLLAPSIBLE SIGNS

Mills EST. 1911

METAL ROAD SIGNS

Standard plates are manufactured from reflective sheeting to BS 873:Part 6 Class 2, and mounted on zintec to prevent corrosion. All signs comply with Chapter 8 requirements. Supplied complete with stands.

Full Range Of Signs Available

CIVILS & SITE EQUIPMENT

PART NO.	DESCRIPTION
S00-5016	A) MEN AT WORK ROADWORKS SIGN (564) 750MM
S00-5020	A) MEN AT WORK ROADWORKS SIGN 1200MM
S00-5018	B) ROAD NARROW LEFT SIGN (517L) 750MM
S00-5022	B) ROAD NARROWS LEFT SIGN (517L) 1200MM
S00-5017	C) ROAD NARROW RIGHT SIGN (517R) 750MM
S00-5021	C) ROAD NARROWS RIGHT SIGN (517R) 1200MM
S00-5023	D) ARROW LEFT/RIGHT SIGN 750MM
S00-5024	D) ARROW LEFT/RIGHT SIGN 1200MM

PART NO.	DESCRIPTION
S00-1523	E) TRAFFIC SIGNALS AHEAD SIGN 750MM
S00-5025	F) REVERSIBLE PEDESTRIANS SIGN 600 X 450MM
S00-1520	G) FOOTPATH CLOSED SIGN 600 X 450MM
S00-1521	H) PEDESTRIANS PLEASE USE OTHER FOOTPATH SIGN 600 X 450MM
S00-1522	I) TRAFFIC CONTROL AHEAD SIGN 1050 X 750MM
S00-1510	J) TRAFFIC UNDER SIGNAL CONTROL ROAD SIGN 1050 X 750MM

POLYPROPYLENE SIGNS

Extremely strong and robust design giving durability and long life without rust.

Manufactured from recycled polypropylene with excellent weight / footprint stability. Easy and safe to handle with no sharp edges and stackable for storage and transport.

- Approximately 6.5kg.
- Extremely strong and robust design.
- Long life and durability.
- Manufactured from recycled polypropylene.
- Stackable storage and transport.
- Non flammable.

Standards

- Conforms to requirements of BS 8442:2015
- Chapter 8 - The Traffic Signs Manual
- Safety at Street Works & Road Works
  - A Code of Practice.
- Traffic Signs Regulations & General Directions

Full Range Of Signs Available

PART NO.	DESCRIPTION
S09-4153	A) FULL CHAPTER 8 POLYPROPYLENE Q SIGN KIT 750MM
S09-4069	B) MEN AT WORK POLYPROPYLENE Q SIGN 750MM
S09-4099	C) MEN AT WORK WITH END PLATE POLYPROPYLENE Q SIGN 750MM
S09-4070	D) ROAD NARROWS LEFT POLYPROPYLENE Q SIGN 750MM
S09-4071	E) ROAD NARROWS RIGHT POLYPROPYLENE Q SIGN 750MM
S09-4089	F) KEEP LEFT ARROW POLYPROPYLENE Q SIGN 750MM
S09-4090	G) KEEP RIGHT ARROW POLYPROPYLENE Q SIGN 750MM
S09-4094	H) KEEP LEFT / RIGHT REVERSIBLE ARROW POLYPROPYLENE Q SIGN 750MM
S09-4095	I) TRAFFIC SIGNALS AHEAD POLYPROPYLENE Q SIGN 750MM
S09-4091	J) PEDESTRIANS REVERSIBLE ARROW POLYPROPYLENE Q SIGN - 600X450MM
S09-4097	K) PEDESTRIANS RIGHT ARROW POLYPROPYLENE Q SIGN - 600X450MM
S09-4098	L) PEDESTRIANS LEFT ARROW POLYPROPYLENE Q SIGN - 600X450MM
S09-4092	M) PEDESTRIANS PLEASE USE OTHER FOOTPATH POLYPROPYLENE Q SIGN 600X450MM
S09-4093	N) FOOTPATH CLOSED POLYPROPYLENE Q SIGN - 600X450MM
S09-4096	O) FOOTWAY CLOSED POLYPROPYLENE Q SIGN - 600X450MM
S09-4100	P) CYCLISTS DISMOUNT AND USE FOOTWAY POLYPROPYLENE Q SIGN - 600 X 450MM
S09-4101	Q) FOOTPATH CLOSED AHEAD POLYPROPYLENE Q SIGN - 600 X 450MM
S09-4102	R) FOOTWAY CLOSED AHEAD POLYPROPYLENE Q SIGN - 600 X 450MM
S00-5056	S) ROAD SIGN Q-WEIGHT / BALLAST 8KG

S) ROAD SIGN Q-WEIGHT / BALLAST 8KG

Single piece weight manufactured from 100% recycled material and is therefore 100% recyclable. The Q-Weight provides sound and stable loading and prevents movement in windy conditions

Features:

- Manufactured from recycled PVC.
- Ergonomic handle ensures easy lift and carry.
- One man lift at 8kg.
- Bases stack with each other.
- Hole location to hold a stop/go lollipop sign.
- Complete with yellow insert.
- Suitable as ballast for many road sign frames and also provides a useful base for Stop / Go hand held signs.

NRSWA RED BOOK

This publication sets out the statutory requirements for signing, lighting, and guarding at street works and road works.

Safety at Street Works and Road Works

A Code of Practice

October 2013
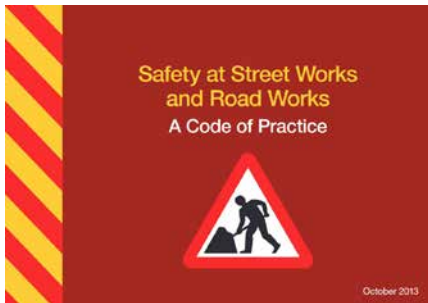
PART NO.	DESCRIPTION
S00-2696	NRSWA RED BOOK

STOP GO SIGN

Plastic reversible lollipop style Stop Go sign with a 650mm head supplied with Engineer Grade reflective sheeting.
Diameter Sign Face: 650mm.
Height: 2040mm.
Weight: 3.95kg.

PART NO.	DESCRIPTION
S83-1580	STOP GO SIGN

A) LOW INDEX CONE WITH SLEEVE

With Designation 2 (D2) reflective sleeves.

B) REFLECTIVE SLEEVE TRAFFIC CONES

Reflective cone sleeve for 18" traffic cones. Conforms to BS873 Class 2.

C) ROAD CONE SANDBAG

A specially designed 4.8kg sandbag for use with 450mm, 600mm and 750mm road cones to provide additional weight during extra windy or blustery conditions. Especially useful when using cone traffic signs.
Cone not included.

D) DORMAN ECOLITE FLASHING WARNING LAMP

This Dorman Flashing Ecolite has a 360 degree polycarbonate lens which has a positive twist action on the lens to switch on and off.
The lamp is manufactured from a tough single piece polyethylene body, designed to withstand rigorous outdoor conditions and rough handling.
It has a flexible plastic coated metal handle and is supplied with a barrier fixing bolt. Requires M99-1059 PJ996 6v battery, not included.

Certified to: BS3143 part 2, BS EN12352.
Features:
- Single battery.
- Easy battery change.
- Tough polypropylene body.
- 360 degree polycarbonate lens.
- Positive twist action of lens to switch on and off.
- New flexible plastic coated metal handle.
- Barrier fixing bolt.

E) CONE BRACKET FOR DORMAN ECOLITE FLASHING WARNING LAMP

Bracket to enable the S00-4290 Dorman EcoLite Flashing Warning Lamp to be mounted on traffic cones.

F) NO WAITING TRAFFIC CONE 21" (530MM)

Polypropylene triangular bollard style "No Waiting" cone.
Height: 21" / 530mm

PART NO.	DESCRIPTION
S00-1159	A) 18" (450MM) LOW INDEX CONE WITH SLEEVE
S00-1160	A) 30" (750MM) LOW INDEX CONE WITH SLEEVE
S00-3005	A) 39" (1000MM) LOW INDEX CONE WITH SLEEVE
S00-1163	B) REFLECTIVE SLEEVE FOR 18" / 450MM TRAFFIC CONES
S00-1164	B) REFLECTIVE SLEEVE FOR 30" / 750MM TRAFFIC CONES
S00-1165	B) REFLECTIVE SLEEVE FOR 39" / 1000MM TRAFFIC CONES

PART NO.	DESCRIPTION
S00-7192	C) ROAD CONE SANDBAG
S00-4290	D) DORMAN ECOLITE FLASHING WARNING LAMP
S00-4293	E) CONE BRACKET FOR DORMAN ECOLITE FLASHING WARNING LAMP
S00-1162	F) NO WAITING TRAFFIC CONE 21" (530MM)

CIVILS & SITE EQUIPMENT

Mills EST. 1919

ENDURASIGN QUICKFIT SIGNS

Incorporates RA1 grade reflective material ensuring and can be easily picked up by drivers even in the depths of winter. The faces uses a standard quick fit connection to the frame so can be easily chopped and changed as required.

Full Range Of Signs Available

A

B

C

D

E

F

G

H

I

J

K

PART NO.	DESCRIPTION
S00-0520	A) ENDURASIGN QUICKFIT FULL CHAPTER 8 KIT
S00-5100	B) ENDURASIGN 750MM MEN AT WORK PLATE ONLY
S00-5101	C) ENDURASIGN 750MM ROAD NARROWS REV PLATE ONLY
S00-5102	D) ENDURASIGN 750MM DIRECTIONAL ARROW REV PLATE ONLY
S00-5107	E) ENDURASIGN 750MM "TRAFFIC SIGNALS AHEAD" PLATE ONLY
S00-5103	F) ENDURASIGN PEDESTRIANS REVERSIBLE PLATE ONLY
S00-5108	G) ENDURASIGN TRAFFIC CONTROL AHEAD ROAD SIGN 1050MM X 750MM (D)
S00-5106	H) ENDURASIGN 1050 X 750 "WHEN RED LIGHT SIGN SHOWS WAIT HERE" PLATE ONLY
S00-5104	I) ENDURASIGN 750MM SUPPLEMENTARY "SINGLE FILE TRAFFIC PLATE" ONLY
S00-5051	J) ENDURASIGN QUICKFIT FRAME
S00-5109	K) ENDURASIGN NUT AND SCREW FOR FIXING PLATES..(4 NEEDED PER FRAME)

Mills
EST. 1911

A) MILLS CAUTION CABLING IN PROGRESS SIGN

Lightweight Cabling In Progress safety sign designed for internal use, folding flat for easy storage.

B) DANGER MEN AT WORK - HEAVY DUTY 'A' BOARD

This heavy-duty polypropylene 'Danger Men at work' 'A' Board folds flat for storage and transportation. Message printed on both sides. Dimensions (H x W): 62 x 30cm Weight: 660g

C) MILLS CABLING IN PROGRESS 3 SIDED BOLLARD 500MM

Fully stackable, manufactured from 100% recycled PVC, with a heavy base for support in high winds.

D) MILLS WARNING MEN WORKING OVERHEAD CONE SIGN 650MM X 450MM

Temporary road sign for mounting on a road cone. Designed to fit 30" (750mm) and 39" (1000mm) cones.

Non Reflective on black recycled plastic. Cone not included.

PART NO.	DESCRIPTION
S00-0621	A) MILLS CAUTION CABLING IN PROGRESS SIGN
S00-1064	B) DANGER MEN AT WORK - HEAVY DUTY 'A' BOARD

PART NO.	DESCRIPTION
S00-1627	C) MILLS CABLING IN PROGRESS 3 SIDED BOLLARD 500MM
S09-1503	D) MILLS WARNING MEN WORKING OVERHEAD CONE SIGN 650MM X 450MM

A) SANDBAGS - TRAFFIC - BLACK 5KG

Black 5kg traffic sand bags with carry/hanging handle. Supplied prefilled with gravel.

B) BLACK TRAFFIC MANAGEMENT POLYPROPYLENE SANDBAG

Black (traffic management) sandbag can be filled with sand or soil and used as a weight or ballast.

C) SANDBAG HESSIAN 750 X 325MM

Hessian sandbags, 750mm x 325mm (30 x 13 inches) with tie string.

D) ROAD SIGN Q-WEIGHT / BALLAST 8KG

Single piece weight manufactured from 100% recycled material and is therefore 100% recyclable. The Q-Weight provides sound and stable loading and prevents movement in windy conditions.

E) ROAD CONE SANDBAG

A specially designed 4.8kg sandbag for use with 450mm, 600mm and 750mm road cones to provide additional weight during extra windy or blustery conditions. Especially useful when using cone traffic signs. Cone not included.
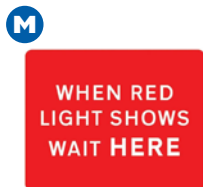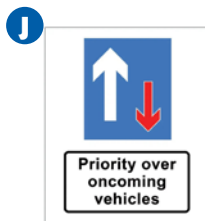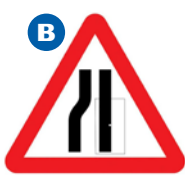
PART NO.	DESCRIPTION
S00-6725	A) SANDBAGS - TRAFFIC - BLACK 5KG
S83-3120	B) BLACK TRAFFIC MANAGEMENT POLYPROPYLENE SANDBAG

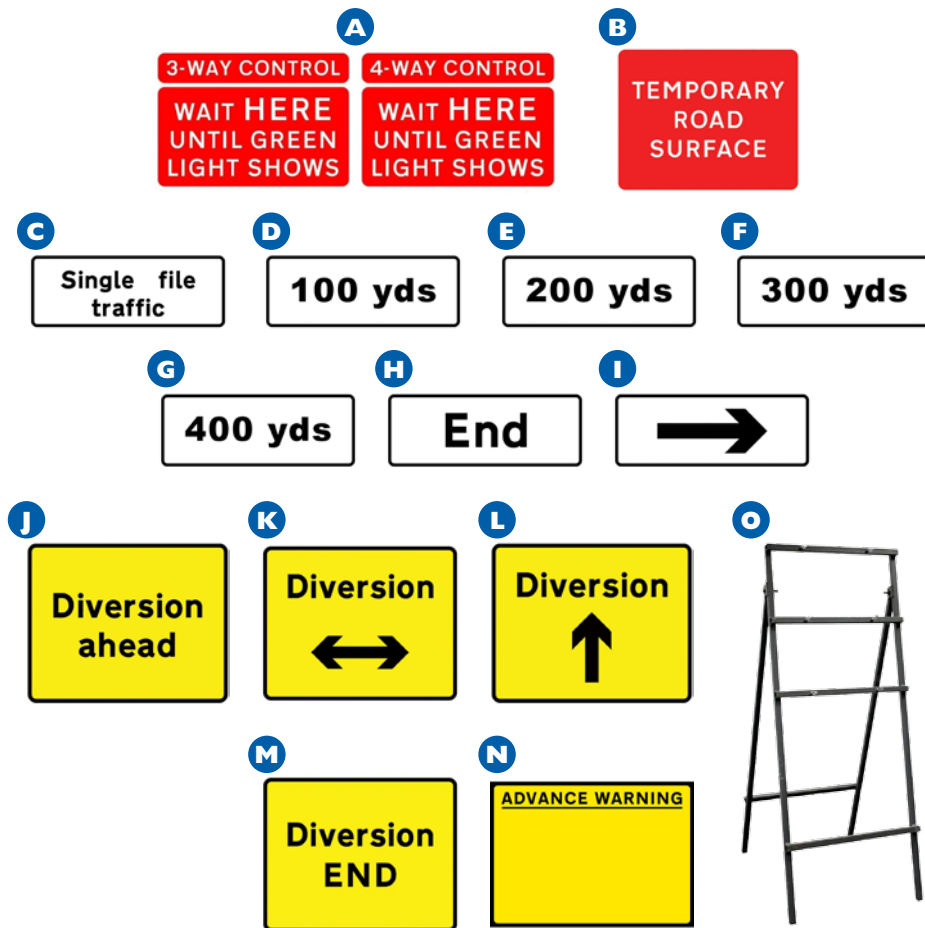| PART NO.	DESCRIPTION
S83-3183	C) SANDBAG HESSIAN 750 X 325MM
S00-5056	D) ROAD SIGN Q-WEIGHT / BALLAST 8KG
S00-7192	E) ROAD CONE SANDBAG

STANDARD QUICKFIT SIGNS   Plates for Quickfit road sign frames.
RA1 Engineering Grade Reflective Material

A

B

C

D

E — PEDESTRIANS

F — PEDESTRIANS USE OTHER FOOTWAY

G — FOOTWAY CLOSED

H — FOOTWAY CLOSED AHEAD

I — CYCLISTS DISMOUNT AND USE FOOTWAY

J — Priority over oncoming vehicles

K — Give way to oncoming vehicles

L — TRAFFIC CONTROL AHEAD

M — WHEN RED LIGHT SHOWS WAIT HERE

N — ROAD CLOSED

O — ROAD AHEAD CLOSED

P — TEMPORARY OBSTRUCTION 15 MINUTES DELAY

PART NO.	DESCRIPTION
S00-5041	A) QUICKFIT MEN AT WORK ROADWORKS PLATE 750MM - 300M CENTRES
S00-5042	B) QUICKFIT ROAD NARROWS LEFT/RIGHT PLATE 750MM - 300MM CENTRES
S00-5048	C) BLUE ARROW REVERSIBLE (610) QUICKFIT PLATE 750MM - 300MM CENTRES
S00-5053	D) QUICKFIT TRAFFIC SIGNALS AHEAD (543) PLATE 750MM - 300MM CENTRES
S00-5055	E) QUICKFIT PEDESTRIANS LEFT/RIGHT ARROW PLATE 600 X 450MM - 300MM CENTRES
S00-5058	F) QUICKFIT PEDESTRIANS USE OTHER FOOTWAY PLATE 600 X 450MM - 300MM CENTRES
S00-5059	G) QUICKFIT FOOTWAY CLOSED PLATE 600 X 450MM - 300MM CENTRES
S00-5060	H) QUICKFIT FOOTWAY CLOSED AHEAD PLATE 600 X 450MM - 300MM CENTRES
S00-5077	I) QUICKFIT CYCLISTS DISMOUNT AND USE FOOTWAY PLATE 600MM X 450MM - 300MM CENTRES
S00-5075	J) QUICKFIT PRIORITY OVER ONCOMING VEHICLES PLATE 800 X 900MM - 300MM CENTRES
S00-5076	K) QUICKFIT GIVE WAY TO ONCOMING VEHICLES PLATE 800 X 900MM - 300MM CENTRES
S00-5078	L) QUICKFIT TRAFFIC CONTROL AHEAD PLATE 1050 X 750MM - 300MM CENTRES
S00-5043	M) QUICKFIT WHEN RED LIGHT SHOWS WAIT HERE PLATE 1050 X 750MM - 300MM CENTRES
S00-5045	N) QUICKFIT ROAD CLOSED PLATE 1050 X 750MM - 300MM CENTRES
S00-5046	O) QUICKFIT ROAD AHEAD CLOSED PLATE 1050 X 750MM - 300MM CENTRES
S00-5049	P) QUICKFIT TEMPORARY OBSTRUCTION 15 MINUTES DELAY PLATE 1050 X 750MM - 300MM CENTRES

Full Range Of Signs Available

Mills EST. 1911

STANDARD QUICKFIT SIGNS - CONTINUED

A
3-WAY CONTROL
WAIT HERE UNTIL GREEN LIGHT SHOWS

4-WAY CONTROL
WAIT HERE UNTIL GREEN LIGHT SHOWS

B
TEMPORARY ROAD SURFACE

C Single file traffic

D 100 yds

E 200 yds

F 300 yds

G 400 yds

H End

I →

J Diversion ahead

K Diversion ←→

L Diversion ↑

O

M Diversion END

N ADVANCE WARNING

PART NO.	DESCRIPTION
S00-5044	A) QUICKFIT 3 WAY / 4 WAY CONTROL WAIT HERE UNTIL GREEN LIGHT SHOWS PLATE 1050 X 750MM - 300MM CENTRES
S00-5064	B) QUICKFIT TEMPORARY ROAD SURFACE PLATE 1050MM X 750MM - 300MM CENTRES
S00-5054	C) SINGLE FILE TRAFFIC QUICKFIT SUPPLEMENTARY PLATE - 300MM CENTRES
S00-5067	D) 100 YARDS QUICKFIT SUPPLEMENTARY PLATE - 300MM CENTRES
S00-5068	E) 200 YARDS QUICKFIT SUPPLEMENTARY PLATE - 300MM CENTRES
S00-5069	F) 300 YARDS QUICKFIT SUPPLEMENTARY PLATE - 300MM CENTRES
S00-5070	G) 400 YARDS QUICKFIT SUPPLEMENTARY PLATE - 300MM CENTRES
S00-5071	H) END QUICKFIT SUPPLEMENTARY PLATE - 300MM CENTRES
S00-5072	I) ARROW QUICKFIT SUPPLEMENTARY PLATE - 300MM CENTRES
S00-5074	J) QUICKFIT DIVERSION AHEAD PLATE 1050 X 750MM - 300MM CENTRES
S00-5047	K) QUICKFIT DIVERSION LEFT/RIGHT ARROW PLATE 1050 X 750MM - 300MM CENTRES
S00-5065	L) QUICKFIT DIVERSION STRAIGHT AHEAD ARROW PLATE 1050 X 750MM - 300MM CENTRES
S00-5066	M) QUICKFIT DIVERSION END PLATE 1050 X 750MM - 300MM CENTRES
S00-5073	N) QUICKFIT ADVANCE WARNING PLATE 1050 X 750MM - 300MM CENTRES
S00-5040	O) MINI QUICKFIT ROAD SIGN FRAME - 600 X 1500MM (300MM CENTRE)
S00-5050	O) MINI QUICKFIT ROAD SIGN FRAME - 600 X 2200MM (300MM CENTRE)

CIVILS & SITE EQUIPMENT

Full Range Of Signs Available

HEIGHT RESTRICTION GOAL POST KIT WITH METROBLOCK WATER FILLED BASES - MAX 7.3M

Height restriction barrier/goalpost system for warning vehicle traffic to the dangers of overhead cables and power lines on highways, temporary roadworks, construction sites.

Compises two telescopic non-conductive posts with twenty five metres of red and white bunting complete with two metroblock water filled bases.

Maximum height: 7.3 metres.

PART NO.	DESCRIPTION
S00-6125	HEIGHT RESTRICTION GOAL POST KIT WITH METROBLOCK WATER FILLED BASES - MAX 7.3M

A) BARRIER TAPE RED / WHITE 500M

Non Adhesive Barrier Tape in Red / White 70mm x 500m.

Also available in Black / Yellow 70mm x 500m.

B) BARRIER TAPE BLACK / YELLOW 500M

Non Adhesive Barrier Tape in Black / Yellow 70mm x 500m.

Also available in Red / White 70mm x 500m.

PART NO.	DESCRIPTION
S00-4262	A) BARRIER TAPE RED / WHITE 500M
S00-8115	B) BARRIER TAPE BLACK / YELLOW 500M

RED / WHITE CAUTION MARKER - 25.9 METRES

Red / white flag bunting caution marker.
Supplied in a coil of 25.9 metres / 85 feet.

PART NO.	DESCRIPTION
S83-0057	RED / WHITE CAUTION MARKER - 25.9 METRES

A) CABLE AND HOSE PROTECTOR RAMP 1200MM

Cable Protector Ramp constructed from recycled rubber and will protect cables/hoses/pipes from the impact of light traffic, HGV and forklift trucks driving over them. Construction Material - Recycled Rubber.

Height - 65mm
Length - 1200mm
Weight - 12.8kg
Width - 210mm
Also available in black.

B) TWO CHANNEL BRIDGE CABLE AND HOSE RAMP - 850 X 300 X 125MM

Hose ramp designed to protect cables and hoses for pedestrian or light road traffic. It is ideal as a temporary or semi-permanent solution with built in high visibility strips to warn against tripping hazards and to help slow down traffic.

With a steel insert the ramp is capable of withstanding a maximum load up to 44 tonnes.

Suitable for cables and hoses up to 100 mm diameter. Dimensions: L850 x W300 x H125mm

C) EXTERNAL HEAVY DUTY CABLING PROTECTOR

These heavy duty cable protectors interlink to form a continuous ramped cable protector. The highly visible yellow hinged lid allows cables to be inserted after the ramps are in position and each section has fixing holes provided for optional permanent fixing. A safe method of securing cables across roads and at events. Speed calmer and cable protector in one unit. Suitable for traffic flow at 5-10 mph. Three large compartments to accommodate larger cables and pipes. Three lugs on lid to aid location and keep lid in place. Weight bearing capacity approx 20 tonnes. Supplied in 980 x 600mm sections. 3 x cable channels - 2x 60mm width and 1x 50mm width. Weight 27.6kg. Model HD3 (*Does not connect to model HDVCP/3).

PART NO.	DESCRIPTION
S83-0370	A) CABLE AND HOSE PROTECTOR RAMP 1200MM
H87-2200	B) TWO CHANNEL BRIDGE CABLE AND HOSE RAMP - 850 X 300 X 125MM
W04-2908	C) EXTERNAL HEAVY DUTY CABLING PROTECTOR

GULLEY COVER SEAL SYSTEM

A drain cover designed to seal drains when there is potential for an environmental incident. By sealing the drain off it will allow time to deal with accidental spillage or the removal of site spoil before it can enter a water course. Manufactured from polyethylene PE500 Yellow in colour for high visibility and can be fully recycled.

Features:

Manufactured from polythene.

A simple method to seal drains until repair work can be undertaken.

Prevents blockages in poor weather conditions.

Protects the watercourse from exposure.

Application:

Place the drain cover over the gully cover.

Drop in the locking mechanism and move to the closed position.

Use a 13mm socket to tighten the bolt until the rubber seal compresses.
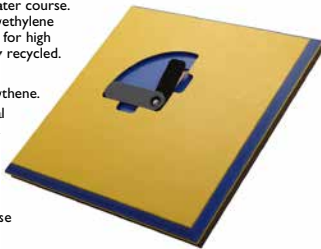
PART NO.	DESCRIPTION
S00-0056	GULLEY COVER SEAL SYSTEM

ECOSPILL ULTRA DRAIN GUARD

Ultra Drain Guards are designed to remove oil and sediment pollution from surface water running into gully drains from surrounding roadworks, construction sites, farms, and industrial estates.

Ultra Drain Guards are made from a high permeability non-woven polypropylene geotextile that trap solids and oils but allow water to drain through and also incorporate bypass ports to further maintain flow into the drain.

They are designed to be easily placed directly into the drain gully pot to filter out materials as they flow into the drain without compromising drainage.

The Oil and Sediment model absorbs up to 3.29 litres of hydrocarbons as well as up to 18 kg of sediment, sand or debris.

PART NO.	DESCRIPTION
S83-1528	ECOSPILL ULTRA DRAIN GUARD

FILTASILT OIL/SEDIMENT - 1200MM X 400MM

Filtasilt is an innovative solution for sediment separation. Portable and easy to handle, Filtasilt is ideal for day to day use. It removes oil from water down to 3.5 parts per million and solids down to 80 microns, meaning it is suitable to pump onto open ground.

Filtasilt is a unique and simple to use. It connects easily to any pump and comes complete with a adaptor to suit any diameter hose, from 3 inches to half and inch. The filter has a highly visible indicator strip, which turns blue when the Filtasilt has reached its capacity.

Reusable

Filtasilt is ideal for compliance on-site and is cost-effective. Save money on what would usually require an expensive tanker removal.

It is ideal for use in manholes, construction utilities, ground works, excavations, dykes, gullies, watercourse works, bridge maintenance, drilling and many more. Absorbs oils only.

Size: 1200mm x 400mm.

PART NO.	DESCRIPTION
S83-1526	FILTASILT OIL/SEDIMENT - 1200MM X 400MM

FILTASOCK - 3M X 500MM

Filtasock is an innovative filtration system which offers significant economic and environmental benefits. The Filtasock filtration system is one of the most simple and economical ways of dealing with contaminated water being pumped out of manholes, vaults, sumps, bunds, retention ponds and ditches.

It uses multistage filtration to remove hydrocarbons and sediment to almost non-detectable levels.

Extremely efficient, it can be used in a wide range of de-watering applications without slowing up the pumping process.

Good for your business and good for the environment.

Absorbs oils only.

Size: 3m x 500mm.

PART NO.	DESCRIPTION
S83-1527	FILTASOCK - 3M X 500MM

TRENCH COVER PINS - BOX OF 200

Box of 200 'hammer in' screw nail fixings to secure trench covers / kerb ramps in place.

PART NO.	DESCRIPTION
S83-0055	TRENCH COVER PINS - BOX OF 200

TRENCH COVER ADHESIVE TAPE - 16M

Adhesive fixing for use when pins or bolts are not practical to secure trench covers or kerb ramps in place.

Supplied on a 16 metre roll.

PART NO.	DESCRIPTION
S83-0056	TRENCH COVER ADHESIVE TAPE - 16M

CIVILS & SITE EQUIPMENT

T-MATTING TRENCH COVER

T-Matting is a new and unique innovation, designed specifically for 'Narrow' and 'Micro' trenching applications - which is becoming a popular method for the installation of fibre broadband networks and has been tried and tested by many of the major network providers in many different areas of the UK. Supplied in 2 metre lengths.

Key Benefits of T-Matting:

Footways can remain open so it provides minimal disruption to the public.

Protects against water ingress, depressions and shrinkage further down the line.

Highly visible for additional public safety.

Tested to BS7976 slip test.

Tested to the Load Test outlined in the HAUC advice note 2018/01. *However, this is not a bridging device and should always be used with support of ground.

Product Features:

- Ideal for traditional backfill method.
- Tried, tested and approved.
- Anti Skid Ribbing.
- Flame Resistant PVC.
- Ideal for "narrow trenching" applications.
- Flexible material to cope with uneven surfaces and bends.
- Ideal for temporary cover of narrow trenches awaiting reinstatement.
- Made in the UK

A) T-Matting Trench Cover MK2
225mm width with 70mm x 60mm T-Piece.

B) T-Matting Trench Cover MK3
240mm wide with 90mm x 20mm T-Piece.
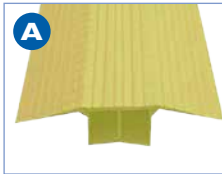
PART NO.	DESCRIPTION
S00-3651	A) T-MATTING TRENCH COVER MK2
S00-3563	B) T-MATTING TRENCH COVER MK3

LOWPRO 100 NARROW TRENCH COVER

Developed for Project Gigabit, the LowPro Narrow Trench Cover is ideal for fibre-optic cable installations and is suitable for 75mm-100mm wide trenches.

The recycled plastic material grips the asphalt to minimise movement and provide a stable surface for pedestrians and vehicles.

Available in 1m sections, the LowPro 100 is supplied with fixings to bolt the one metre sections together.

The LowPro 100 fibre optic cable trench cover is available in 2 sizes, depending on the backfilled depth of the trench.

Features:

- Designed for fibre optic cable installations & maintenance
- Suitable for Narrow-Trenching: 75mm-100mm excavations
- Low profile, sits flat against the ground
- Bends around corners
- Suitable for pedestrian traffic and vehicles
- 1m sections can securely bolt together
- Made of recycled plastic and is in turn recyclable
- Highly slip-resistant in wet & dry conditions
- High visibility inserts for safety both day and night
- Available in 20mm and 40mm depths
- Use the S83-1559 LowPro Trench Cover over T-Junctions
- Comes with nyloc fixings

Specifications:

- Width 250mm
- Length 1065mm
- Height 53mm
- Weight 3.23kg
- Quantity / Pallet 100
- Colour Black & Yellow

PART NO.	DESCRIPTION
S83-0200	LOWPRO 100 NARROW TRENCH COVER 40MM DEEP
S83-0201	LOWPRO 100 NARROW TRENCH COVER 20MM DEEP

A) SUPAGRIP SAFE KERB RAMP 1282MM X 760MM

Anti slide wheelchair ramp and pedestrian kerb ramp for roadworks access.

B) LOWPRO 11/11 TRENCH COVER 1125MM X 1125MM

Pedestrian board with patented Flexi-Edge technology, suitable for 700mm trenches.

PART NO.	DESCRIPTION
S83-1558	A) SUPAGRIP SAFE KERB RAMP 1282MM X 760MM
S83-1559	B) LOWPRO 11/11 TRENCH COVER 1125MM X 1125MM

A) THE LOWPRO 12/8 1200 X 800MM TRENCH COVER

Suitable for 1.6 vehicles over a 700mm trenches. Complies with HAUC's 2018/01 Advice Note & DDA Compliance.

Length: 1200mm
Width: 800mm
Height: 28mm
Weight: 17kg

B) LOWPRO 12/8 'SHORT' INFILL (800MM)

Used to securely connect several trench covers in a line Trench Covers together to prevent drifting once installed.

Length 800 mm
Width 130 mm
Weight 1.7 kg
Colour Black

C) LOWPRO 12/8 'LONG' INFILL (1200MM)

Used to securely connect several trench covers in a line Trench Covers together to prevent drifting once installed.

Length 1200 mm
Width 130 mm
Weight 2.0 kg
Colour Black

- **All infills require 8mm Allen key**

PART NO.	DESCRIPTION
S83-0203	A) THE LOWPRO 12/8 1200 X 800MM TRENCH COVER
S83-0204	B) LOWPRO 12/8 'SHORT' INFILL (800MM)
S83-0206	C) LOWPRO 12/8 'LONG' INFILL (1200MM)

A) THE LOWPRO 15/10 1200 X 1000MM TRENCH COVER

Suitable for 3.5T vehicles over a 900mm trench & pedestrians over a 1200mm trench

Complies with HAUC's 2018/01 Advice Note & DDA Compliance

Length: 1500mm
Width: 1000mm
Height: 37mm
Weight: 38kg

B) LOWPRO 15/10 'SHORT' INFILL (1000MM)

Used to securely connect several trench covers in a line Trench Covers together to prevent drifting once installed.

Length 1000 mm
Width 130 mm
Weight 2.0 kg
Colour Black

C) LOWPRO 15/10 'LONG' INFILL (1500MM)

Used to securely connect several trench covers in a line Trench Covers together to prevent drifting once installed.

Length 1500 mm
Width 130 mm
Weight 2.3 kg
Colour Black

- **All infills require 8mm Allen key**

PART NO.	DESCRIPTION
S83-0202	A) THE LOWPRO 15/10 1200 X 1000MM TRENCH COVER
S83-0205	B) LOWPRO 15/10 'SHORT' INFILL (1000MM)
S83-0207	C) LOWPRO 15/10 'LONG' INFILL (1500MM)

A) LOWPRO 15/05 ROAD PLATE TRENCH COVER INNER PLATE

B) LOWPRO 15/05 ROAD PLATE TRENCH COVER END PLATE

PART NO.	DESCRIPTION
S83-0208	LOWPRO 15/05 ROAD PLATE TRENCH COVER INNER PLATE
S83-0209	LOWPRO 15/05 ROAD PLATE TRENCH COVER END PLATE

CIVILS & SITE EQUIPMENT

WOOD

Manufactured from specially selected Ash and Hardwood timbers, tapered and deep fitted into the extra long socket to give optimum strength and durability. Designed for strength and durability and will outperform the requirements of BS3388 under all tests.

STEEL

Tubular steel shafted solid socket designed for the professional for heavier usage. Contoured tubular steel handles are rotary welded into the body of the shovel socket for extra strength and rigidity – thus producing a very robust yet lightweight tool for digging. Outperforms the requirements of BS3388 under all tests.

POLYFIBREPRO

Solid forged contractors tools offering a high degree of fibreglass strength along with the comfort of a profile moulded PYD hand grip. Injection moulded polypropylene sheathing totally encloses the polyester resin fibreglass core – virtually eliminating the danger of handle breakage and potential injury. PolyFibrePRO tool handles will not rot, shrink, dry out or become more susceptible to breakage through periods of inactivity. Outperforms the requirements of BS3388 under all tests.

FIBREMAXPRO

The ultimate in strength for contractors tools. Developed to provide almost unbreakable tool handles, the solid core 28mm dia. resin bonded glass fibres produce great flexibility and superior strengths, far exceeding the requirements of BS3388.

SHOCKSAFE

A range of insulated contractors tools providing full conformity to the exacting specifications of 'BS8020: Tools for Live Working'. BS8020:2002 demands full adherence to detailed manufacturing and testing procedures for safe working practices to be maintained by the user when working on or in close proximity to live conductor cables. A specially integrated collar prevents the user's hand slipping onto the steel blade. Every single tool is flash tested to 10,000 Volts before being uniquely numbered and the issue of a certificate, unique to each implement. This ensures total traceability and a guarantee of safety to the user, in a potentially dangerous live-working environment.

CIVILS & SITE EQUIPMENT

SHOVEL STOKING NO.2 SQUARE

PART NO.	DESCRIPTION
S83-3316	A) WOOD
S00-1209	B) STEEL
S83-3317	C) POLYFIBRE PRO
S83-3318	D) SHOCKSAFE

SPADE DIGGING & GENERAL SERVICE

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
S00-7890	A) SPADE DIGGING - WOOD	S83-4537	E) SPADE GENERAL SERVICE - SHOCKSAFE
S00-1215	B) SPADE DIGGING - STEEL	S83-1827	F) SPADE GENERAL SERVICE TREADED - STEEL
S83-3314	C) SPADE DIGGING - POLYFIBRE PRO	S83-1828	G) SPADE GENERAL SERVICE TREADED - POLYFIBREPRO
S83-3315	D) SPADE DIGGING - SHOCKSAFE	S83-1826	H) SPADE GENERAL SERVICE TREADED - WOOD

SHOVEL TRENCHING

PART NO.	DESCRIPTION
S83-3319	A) WOOD
S00-1210	B) STEEL
S83-3320	C) POLYFIBRE PRO
S83-3321	D) SHOCKSAFE

CABLE LAYING SHOVEL

PART NO.	DESCRIPTION
S00-7892	A) WOOD
S00-1220	B) STEEL
S83-3322	C) POLYFIBRE PRO
S83-3323	D) SHOCKSAFE

CONTRACTOR FORKS

PART NO.	DESCRIPTION
S83-1831	FORK TRENCHING - POLYFIBREPRO
S83-1619	HEAVY DUTY CONTRACTORS FORK - BS8020 SHOCKSAFE
S00-7891	FORK TRENCHING - WOOD
S00-1213	FORK TRENCHING - STEEL

NEWCASTLE DRAINER

PART NO.	DESCRIPTION
S83-3324	A) WOOD
S00-1221	B) STEEL
S83-3325	C) POLYFIBRE PRO
S83-3326	D) SHOCKSAFE

Mills EST. 1919

SPADE RABBITING

Used on pole installations, this tool has a long elongated blade, especially useful in conditions of wet clay and tree roots.

PART NO.	DESCRIPTION
S83-0989	A) SPADE RABBITING -STEEL 54" SHAFT
S83-0740	B) SPADE RABBITING -FIBREMAXPRO 54" SHAFT
S83-2899	C) SPADE RABBITING -SHOCKSAFE 54" SHAFT
S83-2695	D) SPADE RABBITING -SHOCKSAFE 78" SHAFT

BAR DIGGING

General purpose digging bar can be used for levering when excavating holes for poles.

PART NO.	DESCRIPTION
S83-0982	A) BAR DIGGING - FIBREMAXPRO
S83-0843	B) BAR DIGGING - SHOCKSAFE

PUNNER HALF MOON

Used for back filling earth around poles.
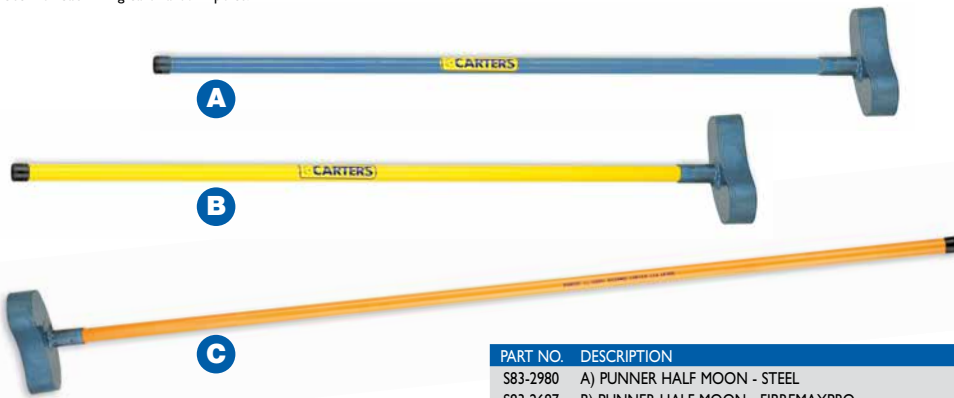
PART NO.	DESCRIPTION
S83-2980	A) PUNNER HALF MOON - STEEL
S83-2687	B) PUNNER HALF MOON - FIBREMAXPRO
S83-2688	C) PUNNER HALF MOON - SHOCKSAFE

SPOON EXCAVATING

Spoon shaped tool used when excavating holes for poles.
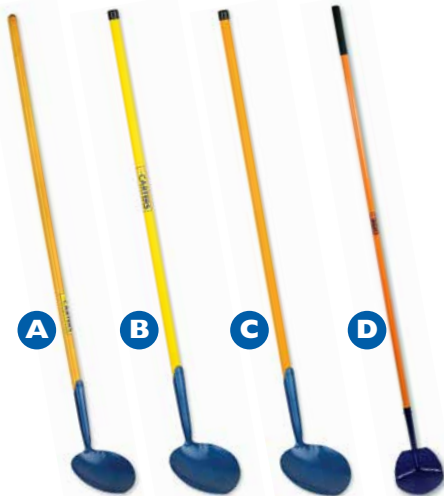
PART NO.	DESCRIPTION
S83-0990	A) SPOON EXCAVATING - WOOD
S83-0991	B) SPOON EXCAVATING - FIBREMAXPRO
S83-2979	C) SPOON EXCAVATING - SHOCKSAFE
S83-0593	D) BT PATTERN SPOON - SHOCKSAFE

PUNNER IRON

Square head 10lb Punner supplied with either steel or fibreglass handles.

PART NO.	DESCRIPTION
S00-1234	A) PUNNER IRON - STEEL
S83-2982	B) PUNNER IRON - FIBREMAXPRO
S83-3328	C) PUNNER IRON - WOOD
S83-3329	D) PUNNER IRON - SHOCKSAFE

SHOVEL HOLER

Double shovel with scissor action, used when excavating poles.
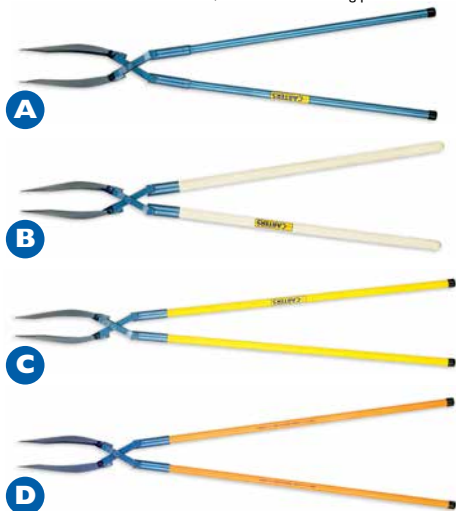
PART NO.	DESCRIPTION
S83-3327	A) SHOVEL HOLER - STEEL
S83-0981	B) SHOVEL HOLER - WOOD
S83-0739	C) SHOVEL HOLER - FIBREMAXPRO
S83-2900	D) SHOVEL HOLER - SHOCKSAFE

A) NARROW MICRO TRENCHING SHOVEL 48" - BS8020 INSULATED

This Insulated Long Handle Narrow Trenching Shovel with an 80mm wide head has been specifically designed for narrow trenching applications and has been flash tested to 10,000v, providing protection up to 1000v to ensure safety whilst at work.

B) SNOWBLADE PRO YELLOW SNOW SCOOP

Supplied in kit form for the user to fit with screw hole in socket. UV stabilised, tough and durable, lightweight and easy to clean, non-stick, rot and rust proof.

C) EDGING KNIFE

This Edging Iron has a head manufactured from heat-treated (hardened) carbon steel to provide both strength and durability. The polypropylene and powder-coated finish provide improved resistance to rust, scratches, humidity and alkaloids in the soil.

PART NO.	DESCRIPTION
S00-1212	A) NARROW MICRO TRENCHING SHOVEL 48" - BS8020 INSULATED
S00-1261	B) SNOWBLADE PRO YELLOW SNOW SCOOP
S00-1216	C) EDGING KNIFE

CIVILS & SITE EQUIPMENT

Mills
EST. 1919

A) CROWBAR CHISEL AND POINT INSULATED 60" - BS8020 SHOCKSAFE

60" Shocksafe insulated chisel and point crowbar

## B) 60" (5 FOOT) 1500MM STEEL CROW BAR WITH CHISEL & POINT

PART NO.	DESCRIPTION
S83-3679	A) CROWBAR CHISEL AND POINT INSULATED 60" - BS8020 SHOCKSAFE
S00-1226	B) 60" (5 FOOT) 1500MM STEEL CROW BAR WITH CHISEL & POINT

DRAWBOX APPLICATOR / OVERBANDING SHOE (FUNNEL TYPE)

Designed for the application of hot thermoplastic material or MMA paints to areas requiring line marking and overbanding / crack filling of asphalt and tarmac etc.

A) 100mm x 50mm
B) 50mm x 50mm
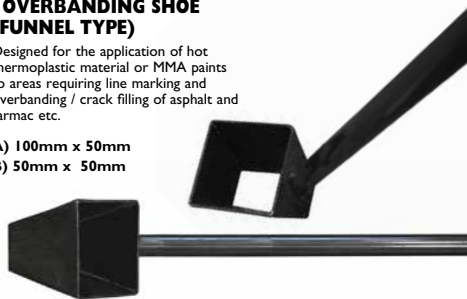
PART NO.	DESCRIPTION
S99-3025	A) DRAWBOX APPLICATOR / OVERBANDING SHOE - 100MM X 50MM
S99-3026	B) DRAWBOX APPLICATOR / OVERBANDING SHOE - 50MM X 50MM

A) TARMAC RAKE STEEL SHAFT - 16 TEETH ROUND
B) ASPHALT RAKE STEEL SHAFT - 16 TEETH SQUARE

Heavy duty design with a rugged construction for daily use by professionals in tough working environments.

Traditionally used for levelling out Asphalt and Tarmac as well as other building materials.

Handle: 66"/ 1680mm Tubular Steel
Blade: 16" W x 4" L
Weight: 2.1kg
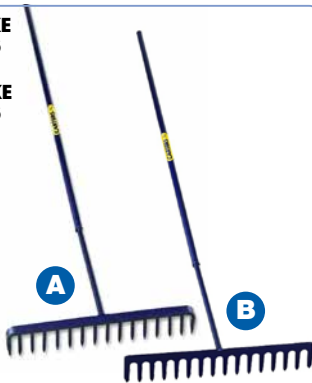
PART NO.	DESCRIPTION
S83-1585	A) TARMAC RAKE STEEL SHAFT - 16 TEETH ROUND
S83-1586	B) ASPHALT RAKE STEEL SHAFT - 16 TEETH SQUARE

CONCRETE INDENT ROLLER - 250 X 100MM

High quality brass indent roller used for applying a non-slip surface to concrete.

Often referred as a spiked roller, the indent roller will leave a permanent and durable non slip surface of indented pyramids.

Supplied with a powder coated handle with textured grip.

Handle length: 1200mm
Roller size: 250 x 100mm (10" x 4")

PART NO.	DESCRIPTION
S00-0030	CONCRETE INDENT ROLLER - 250 X 100MM

A) WOODEN LUTE / SPAZZLE

Wooden lute / spazzle for tarmac, soil, and gravel levelling. Supplied with with handle and stay
Handle length: 1.37 metres / 4 feet 6 inches.

B) ALUMINIUM SPAZZLE

Used for levelling and maneouvering tarmac and a variety of loose materials.
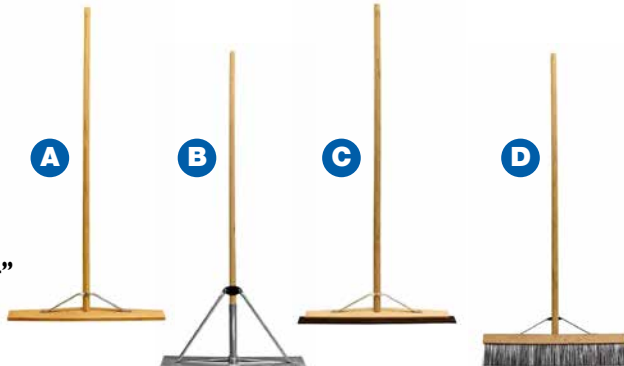
C) RUBBER SQUEEGEE

24" / 600mm Rubber Squeegee supplied complete with 54" / 1.37m wooden handle & stay.
For tarmac, soil, and gravel levelling.

D) CONCRETE FINISHING BRUSH 24"

Concrete Finishing Brush used for adding texture to concrete before it dries.
Head 24" / 600mm.
Supplied with handle.

PART NO.	DESCRIPTION
S83-1583	A) WOODEN LUTE / SPAZZLE
S83-1584	B) ALUMINIUM SPAZZLE

PART NO.	DESCRIPTION
S00-0050	C) RUBBER SQUEEGEE
S00-1225	D) CONCRETE FINISHING BRUSH 24"

PICKS

PART NO.	DESCRIPTION
S00-0008	A) HARDWOOD HANDLE GRUBBING MATTOCK 2.25KG (5LB)
S00-0009	B) FIBREGLASS HANDLE PICK MATTOCK 2.27KG (5LB)
S00-1223	C) PICK AXE COMPLETE WITH HANDLE

PART NO.	DESCRIPTION
S83-9340	D) PICK AXE CHISEL / POINT 7LB - BS8020 SHOCKSAFE
S00-0012	E) ROUGHNECK MICRO PICK MATTOCK 400G
S00-0013	F) ROUGHNECK MICRO MATTOCK 400G

SLEDGE HAMMERS AND CLUB HAMMERS

PART NO.	DESCRIPTION
J75-1588	A) SLEDGE HAMMER FIBREGLASS HANDLE 10LB
J75-2771	B) SLEDGE HAMMER SHOCKSAFE 7LB
J75-2772	B) SLEDGE HAMMER SHOCKSAFE 10LB
J75-2773	B) SLEDGE HAMMER SHOCKSAFE 14LB
J75-1020	C) CLUB HAMMER 1125G (2.5 LB)

PART NO.	DESCRIPTION
J75-1021	C) CLUB HAMMER 1800G (4 LB)
J75-2775	D) CLUB HAMMER SHOCKSAFE 2.1/2LB
J75-2789	D) CLUB HAMMER SHOCKSAFE 4LB
J75-1586	E) CLUB HAMMER FIBREGLASS HANDLE 2.5LB
J75-1587	E) CLUB HAMMER FIBREGLASS HANDLE 4 LB

A) RUBBER MALLET WITH FIBREGLASS SHAFT 680G (24OZ)

With a rubber head, fibreglass shaft and shock-absorbing rubber hand grip.
Weight 680g (24oz)

B) 4.5KG 10LB RUBBER MAUL

10lb Rubber Maul, designed to tap paving slabs whilst leaving them undamaged. Replacement shafts available on request.
107 x 33 x 13 cm
Weight 4.5kg

PART NO.	DESCRIPTION
S00-3509	A) RUBBER MALLET WITH FIBREGLASS SHAFT 680G (24oz)
S00-1211	B) 4.5KG 10LB RUBBER MAUL

A) CONTRACTOR CLAW HAMMER GLASS FIBRE SHAFT (16oz)

A 16oz claw hammer with a glass fibre shaft fitted with non slip vinyl grip.
Formerly J72-9588

CONTRACTOR
Just the job

B) CLAW HAMMER SHOCKSAFE (20oz)

Polished headed claw hammer with a fibreglass shaft, tested and made in conformance with BS8020:2011. Tools for live working.
Handle:
14" / 340mm Shocksafe Fibreglass
Weight: 20oz / 570g

PART NO.	DESCRIPTION
E22-1954	A) CONTRACTOR CLAW HAMMER GLASS FIBRE SHAFT (16oz)
J75-2790	B) CLAW HAMMER SHOCKSAFE (20oz)

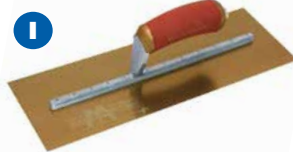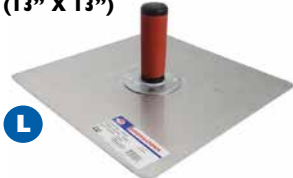**A) STANLEY FATMAX SPRING STEEL WRECKING BAR**

Available as 24"
or 36" lengths.

A

B) WRECKING CROWBAR BAR

Available as 455mm
or 600mm lengths.

B

C) SPOT MIXING BOARD 970 X 970MM

C

D) 6" POINTING TROWEL

D

E) 10" BRICK TROWEL

E

F) 6" GAUGING TROWEL

F

G) STAINLESS STEEL BUCKET TROWEL 6.1/2"

G

H) EDGING TROWEL SOFT GRIP HANDLE 280 X 120MM

H

**I) MARSHALLTOWN PERMASHAPE FINISHING GOLD STAINLESS STEEL TROWEL**

Available as 350 x 125mm (14" x 5") or
400 x 125mm (16" x 5") dimensions.

I

K) PLASTIC FLOAT 280 X 110MM

J

K) STEEL CONCRETE FLOAT 280 X 120MM

K

L) MARSHALLTOWN ALUMINIUM PLASTERER'S HAWK - 325 X 325MM (13" X 13")

L

PART NO.	DESCRIPTION
J62-3404	A) STANLEY FATMAX SPRING STEEL WRECKING BAR 24"
J62-3405	A) STANLEY FATMAX SPRING STEEL WRECKING BAR 36"
S00-3678	B) WRECKING CROWBAR 455MM
S00-1227	B) WRECKING CROWBAR 600MM
S00-7910	C) SPOT MIXING BOARD 970 X 970MM
S00-1232	D) 6" POINTING TROWEL
S00-1228	E) 10" BRICK TROWEL
S00-1236	F) 6" GAUGING TROWEL
S83-9341	G) STAINLESS STEEL BUCKET TROWEL 6.1/2"

PART NO.	DESCRIPTION
S00-2702	H) EDGING TROWEL SOFT GRIP HANDLE 280 X 120MM
S00-2703	I) MARSHALLTOWN PERMASHAPE FINISHING GOLD STAINLESS STEEL TROWEL - 350 X 125MM (14" X 5")
S00-2704	I) MARSHALLTOWN PERMASHAPE FINISHING GOLD STAINLESS STEEL TROWEL - 400 X 125MM (16" X 5")
S00-2701	J) PLASTIC FLOAT 280 X 110MM
S00-1233	K) STEEL CONCRETE FLOAT - 280 X 120MM
S83-9410	L) MARSHALLTOWN ALUMINIUM PLASTERER'S HAWK - 325 X 325MM (13" X 13")

A) STAINLESS STEEL GARDENING TROWEL

B) GRABBER / LITTER PICKER 940MM

C) FORESTERS BOWSAW 530MM (21")
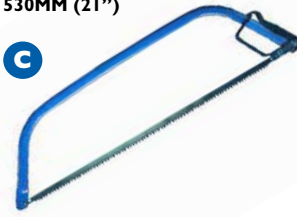
D) GRIP BYPASS PATTERN SECATEURS

E) ANVIL LOPPERS 750MM

F) TREE PRUNER WITH TELESCOPIC HANDLE

Cutting Capacity 32mm DIA.

G) FISKARS POWERGEAR X TELESCOPIC TREE PRUNER

Cutting Capacity: 32mm
Vertical Cutting Reach: 6m
Length: 2.4-4m
Weight: 1900g

H) PRESSURE WASHER 2 LITRE
I) PUMP ACTION SPRAYER 5 LITRE

J) DUST SUPPRESSION WATER BOTTLE 14 LITRE

K) HIGH PERFORMANCE SPRAYER 6 BAR 10 LITRE

L) HEAVY DUTY REFUSE SACKS BLACK (ROLL OF 10)

M) HEAVY DUTY RUBBLE SACKS PK 10

N) DRY BAG

Available as 20 or 30 litre capacities.

CIVILS & SITE EQUIPMENT

PART NO.	DESCRIPTION
S00-1235	A) STAINLESS STEEL GARDENING TROWEL
S00-1928	B) GRABBER / LITTER PICKER 940MM
N70-7651	C) FORESTERS BOWSAW 530MM (21")
N70-7653	D) SOFT GRIP BYPASS PATTERN SECATEURS (215MM)
N78-2543	E) ANVIL LOPPERS 750MM
B70-7652	F) TREE PRUNER WITH TELESCOPIC HANDLE CUTTING CAPACITY 32MM DIA
N70-0300	G) FISKARS POWERGEAR X TELESCOPIC TREE PRUNER

PART NO.	DESCRIPTION
S00-2713	H) PRESSURE SPRAYER 2 LITRE
S00-2739	I) PUMP ACTION PRESSURE SPRAYER 5 LITRE
S00-2738	J) DUST SUPPRESSION WATER BOTTLE 14 LITRE
S00-2740	K) HIGH PERFORMANCE SPRAYER 6 BAR 10 LITRE
R02-1396	L) HEAVY DUTY REFUSE SACKS BLACK (ROLL OF 10)
S00-3481	M) HEAVY DUTY RUBBLE SACKS PK 10
S83-2792	N) DRY BAG 20 LITRES
S83-2791	N) DRY BAG 30 LITRES

SOFT BROOM 10"

250mm wide broom made of sturdy wood and featuring soft coco fibre material, which is perfect for collection of small dust and dirt particles.

Width x Length & Number of row 250mm x 60mm - 5 Rows.

PART NO.	DESCRIPTION
S00-1231	SOFT BROOM 10"

BULLDOZER YARD BROOM 24" / 600MM

The Bulldozer broom head is 24 inches and has both soft and stiff PVC bristles which can be used for light dust and heavy debris together.

The two part broom handle is detachable for easier storage and comes with a comfortable neoprene grip handle.

Predominantly used outdoor but can be used indoor on hard flooring also.

PART NO.	DESCRIPTION
S00-1420	BULLDOZER YARD BROOM 24" / 600MM

PLATFORM BROOM 18"

Suitable for heavy cleaning, and made of sturdy wood and braced for longer life, the broom features soft coco fibre material, which is perfect for collection of small dust and dirt particles.

Size of head 460 x 70mm.

PART NO.	DESCRIPTION
S00-1462	PLATFORM BROOM 18"

PLATFORM BASS BROOM 24"

24" / 600mm platform broom with stiff bassine bristles.

Supplied complete with handle and stay.

PART NO.	DESCRIPTION
S00-1461	PLATFORM BASS BROOM 24"

BASS BROOM 13"

Wooden head with stiff bassine bristles suitable for indoor and outdoor use.

Supplied with handle 1200mm Long

Head length: 330mmm / 13 inch.

PART NO.	DESCRIPTION
S00-1222	BASS BROOM 13"

REVERSIBLE BASS BROOM 13"

Reversible round backed yard broom supplied complete with handle.

Broom head width: 13" / 330mm

Handle length: 1200mm

PART NO.	DESCRIPTION
S00-1218	REVERSIBLE BASS BROOM 13"

HEAVY DUTY POLYPROPYLENE BROOM 13"

Thirteen inch heavy duty polypropylene yard broom complete with handle.

Can be used in both wet and dry conditions.

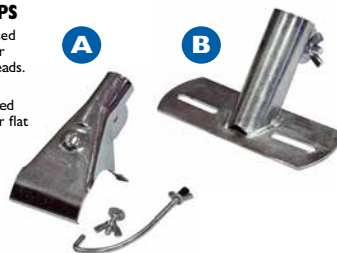Features

Reversible head

Round back

Head: 13" / 325mm

PART NO.	DESCRIPTION
S00-1219	HEAVY DUTY POLYPROPYLENE BROOM 13"

BROOM CLAMPS

A) Adjustable galvanised steel broom clamp for round back broom heads. Supplied with fixings.

B) Adjustable galvanised steel broom clamp for flat back broom heads.
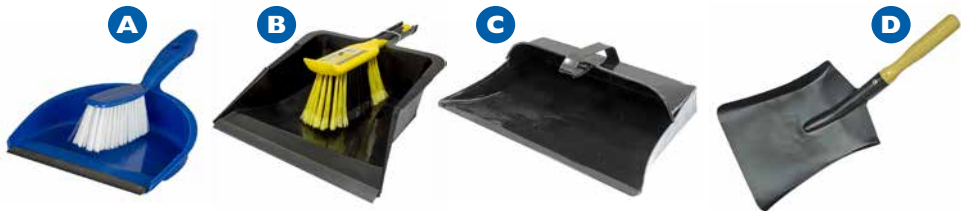
PART NO.	DESCRIPTION
S00-0044	A) BROOM CLAMP FOR ROUND BACK BROOM HEADS
S00-0045	B) BROOM CLAMP FOR FLAT BACK BROOM HEADS

BRUSHES

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
S00-2707	A) STIFF HAND BRUSH (GUTTER BRUSH) 275MM	S83-0894	C) SOFT BRISTLE HAND BRUSH 275 MM
S00-2708	B) STIFF POLYPROPYLENE HAND BRUSH 275MM	R16-1071	D) BRUSH WIRE SCRATCH NO 1

DUSTPANS AND BRUSHES

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
S00-1250	A) DUSTPAN AND BRUSH - 220 W X 160 D + HANDLE	S00-1267	C) METAL DUSTPAN - 35CM OPENING
S00-1257	BULLDOZER DUSTPAN AND BRUSH SET	S00-1266	D) METAL DUSTPAN 230MM

TAR BRUSHES AND FINISHING BRUSHES

A) Tar Brush for preparation, sealing and application of viscous materials, such as liquid tar. Also known as a Turks head brush

B) Long Handle Tar Brush with Block Head for bitumen and viscous material preparation, edge sealing, and application.

C) Long Handle Tar Brush with Bell Head for bitumen and viscous material preparation, edge sealing, and application.

D) Concrete Finishing Brush 24" used for adding texture to concrete before it dries. Head 24" / 600mm. Supplied with handle.

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
S00-2710	TAR BRUSH	S00-1230	LONG HANDLE TAR BRUSH WITH BELL HEAD
S00-1268	LONG HANDLE TAR BRUSH WITH BLOCK HEAD	S00-1225	CONCRETE FINISHING BRUSH 24"

PAINT BRUSHES AND CLEANING BRUSHES

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
R83-1053	A) 1 INCH PAINT BRUSH	R00-3007	E) SUDS BRUSH
R83-1054	B) 1.5 INCH PAINT BRUSH	S83-3680	F) BRUSH WIRE SCRATCH NO 2
R83-1055	C) 2 INCH PAINT BRUSH	R99-1073	G) WIRE SCRATCH BRUSH 250MM
R72-1007	D) 10 INCH DUSTING BRUSH	R99-7383	H) 1/2" CLEANING / APPLICATION BRUSH

Mills

BUCKETS, TUBS, WATER CONTAINERS

PART NO.	DESCRIPTION
S00-0061	A) POLYPROPYLENE WASHING UP BOWL
S00-1466	B) BUCKET RUBBER TEX (12L)
S00-1224	C) BUCKET PLASTIC (14L)
S00-0693	D) BUCKET FOLDING (14L)
S00-6551	E) BUCKET FOLDING (26L)
S00-6552	F) BUCKET FOLDING (38L)

PART NO.	DESCRIPTION
S00-0694	G) GORILLA MIXING TUB - 50 LITRE
S00-1252	H) WATER CONTAINER (10L)
S00-2741	H) WATER CONTAINER (25L)
S00-1640	I) AIRFLOW DISPENSING TAP FOR 10 LTR CONTAINER
S00-1642	I) AIRFLOW DISPENSING TAP FOR 25 LTR CONTAINER
S00-7822	J) PLANT TAG - NON-DRINKING WATER

DUSTBIN PLASTIC

General rubbish bin complete with a tight sealing waterproof lid.

Manufactured from polyethylene with twin moulded handles for easily handling.

Maximum capacity 80 litre.

PART NO.	DESCRIPTION
S00-1191	PLASTIC DUSTBIN

BLACK WHEELIE BIN - 240 LITRE

Sturdy 240 litre wheelie bin produced using a compact injection moulding process that meets DIN EN 840 and RAL GZ 951/1 criteria

Formed from specially developed, high-density polyethylene that is designed to be hard wearing and durable, thus improving longevity

Stabilised against the effects of UV rays and resistant to temperature variations and chemicals 2x 20cm quiet-running, solid rubber wheels

PART NO.	DESCRIPTION
S00-0040	BLACK WHEELIE BIN - 240 LITRE

229

HEAVY DUTY BUCKET GALVANISED 12 LITRE

Heavy duty galvanised contractors bucket. Versatile in use (tools, ash, coal, water etc) Long Lasting.

PART NO.	DESCRIPTION
S83-0922	HEAVY DUTY BUCKET GALVANISED 12 LITRE

SLUMP CONE AND ROD

Concrete slump cone and rod used for the measurement of consistency and workability of fresh concrete.

The test is carried out by filling the slump cone with freshly mixed concrete, which is tamped with a steel rod in three layers. The concrete is levelled off with the top of the slump cone, the cone removed, and the slump of the sample is immediately measured.

PART NO.	DESCRIPTION
S83-2756	SLUMP CONE AND ROD

S99-3024 STEEL COMPOUND BUCKET WITH LID

Perfect for use with hot tar and able to withstand high temperatures. Use in conjunction with S83-2684 gas heating ring.

PART NO.	DESCRIPTION
S99-3024	STEEL COMPOUND BUCKET WITH LID

V LIPPED HEAVY DUTY TAR BUCKET GALVANISED - 3 GALLON

Heavy duty galvanised V lipped tar bucket complete with carrying handle. Capacity: 3 gallons / 13.6 litres.

PART NO.	DESCRIPTION
S00-0049	V LIPPED HEAVY DUTY TAR BUCKET GALVANISED - 3 GALLON

IBC WATER CONTAINER - 1000 LITRES

Pallet / cage mounted water container. Capacity: 1000 litres. Available with different tap / valve configurations.

**Please contact sales for details.
Additional carriage charges may apply.**

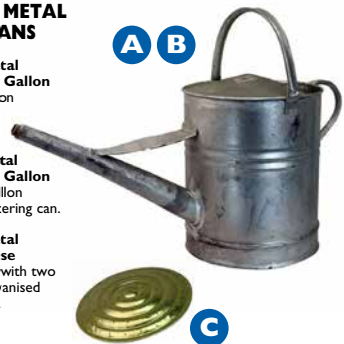| PART NO.	DESCRIPTION
S83-0058	IBC WATER CONTAINER - 1000 LITRES

GALVANISED METAL WATERING CANS

A) Galvanised Metal Watering Can - 2 Gallon Heavy duty two gallon galvanised metal watering can.

B) Galvanised Metal Watering Can - 3 Gallon Heavy duty three gallon galvanised metal watering can.

C) Galvanised Metal Watering Can Rose Simple rose for use with two and three gallon galvanised metal watering cans.

PART NO.	DESCRIPTION
S00-0046	A) GALVANISED METAL WATERING CAN - 2 GALLON
S00-0047	B) GALVANISED METAL WATERING CAN - 3 GALLON
S00-0048	C) GALVANISED METAL WATERING CAN ROSE

WHEELBARROW 85 LITRE

General purpose 85 litre heavy duty
press pan wheelbarrow supplied with
16 x 4 inch pneumatic wheel.

PART NO.	DESCRIPTION
S00-1115	WHEELBARROW 85 LITRE

GENERAL USE WHEELBARROW WITH SOLID WHEEL - 85 LITRE

Press pan wheelbarrow with ample capacity designed for general use.
Capacity: 85 litre. Supplied with 14" x 3" solid wheel.

PART NO.	DESCRIPTION
S00-1110	GENERAL USE WHEELBARROW WITH SOLID WHEEL - 85 LITRE

WHEELBARROW WITH PUNCTURE FREE WHEEL

Heavy duty wheelbarrow designed for larger capacity items.
85, 100 and 120 litre capacities available.
Supplied with puncture free wheel.

PART NO.	DESCRIPTION
S00-1111	A) WHEELBARROW - 85 LITRE
S00-1112	B) WHEELBARROW - 100 LITRE
S00-1113	C) WHEELBARROW - 120 LITRE

RHINO BARROW - 100 LITRE HEAVY DUTY WHEELBARROW

The Rhino Barrow is an extremely heavy duty wheelbarrow, which can
hold up to 400kg. This heavy duty wheelbarrow has a huge 100 litre
capacity and is therefore ideal for highways, utilities, construction, rail and
civils industries.

Length: 1350mm
Width: 620mm
Depth: 690mm
Max Load Weight: 400KG
Max Load Capacity: 100 Litres

PART NO.	DESCRIPTION
S00-1120	RHINO BARROW - 100 LITRE HEAVY DUTY WHEELBARROW

INSULATED WHEELBARROW - 85 LITRE (TESTED TO 10,000V)

Ergonomic handle design giving a comfort grip even when pan
is fully loaded. British standard pan loading test for
wheelbarrow is 110 kg. The suggested
operational pan load is between 150 kg-200 kg.
BS8020 Insulated Wheelbarrow
- 85 Litre (Tested to 10,000V).

Conformities:
BS 8020:2011.
SANS 795 2014 (Edition 4.00)

PART NO.	DESCRIPTION
S00-1119	INSULATED WHEELBARROW - 85 LITRE (TESTED TO 10,000V)

FOR COVER LIFTING KEYS

SEE PAGES 131-136

A) BRICK LIFTER 400-670MM

Allows the single handed lifting of bricks and blocks by cantilever action. Adjustable length to suit the task in hand. The robust construction gives a long life and is electro plated to resist rust. Lifting capacity: 400 to 670mm (16 to 26in).

B) HEAVY-DUTY KERB LIFTER

Heavy-Duty Kerb Lifter with a fully galvanised, rust-resistant metal construction with rubber handles and kerb grips. Designed for two-person operation for lifting and laying kerbs, edging stones and paving slabs.

C) KERB LIFTER - 2 MAN LIFT

Two person kerb lifter for the easy and safe lifting and moving of kerb stones.

Gripper width: 100 mm

Gripping Range: 500 - 1045 mm

Inside Height: 40 mm

Working Load Limit: 100 kg

Product Weight: 11 kg

PART NO.	DESCRIPTION
S83-3066	A) BRICK LIFTER 400-670MM
S00-1932	B) HEAVY-DUTY KERB LIFTER
S83-1931	C) KERB LIFTER - 2 MAN LIFT

A) PAVING BLOCK EXTRACTOR

An essential tool for any contractor who laying paving blocks or carrying out repairs to paved surfaces. Fully adjustable.

Features:
- Locking Device. The operator does not need to continually squeeze the PZ-handles together!
- Fully Aadjustable without additional tools.
- Supplied complete with easily exchangeable high-quality-special double spring-steel blades
- Galvanised finish

Specifications:

Dead Weight:
4kg (9 lbs) 6 (15) 200

Gripping Range:
90-330mm (3½ – 13")

B) PAVING SLAB EXTRACTOR

For the extraction of single slabs and designed with a robust construction enabling the blades to be hammered into the joints.

Features:
- Locking Device. The operator does not need to continually squeeze the PZ-handles together!
- Fully Aadjustable without additional tools.
- Supplied complete with easily exchangeable high-quality-special double spring-steel blades
- Galvanised finish

Specifications:

Dead Weight:
6kg (15 lbs) 6 (15) 200

Gripping Range:
200-610mm (7¾" – 24")

Working Load Limit/WLL:
70kg (155 lbs)
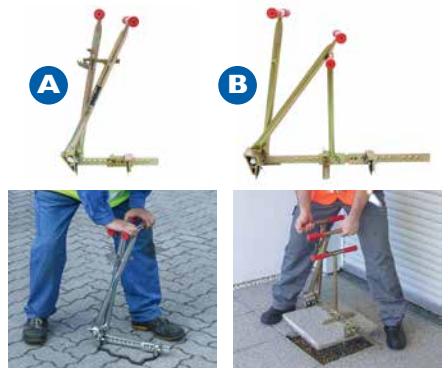
PART NO.	DESCRIPTION
S83-4016	A) PAVING BLOCK EXTRACTOR
S83-4017	B) PAVING SLAB EXTRACTOR

A) VACUUM SLAB POWER LIFTER

Flexible and powerful hand/battery operated vacuum laying device for dense products, such as granite or high quality concrete elements.

Working Load limit: 150 kg

Product Weight: 16.5 kg

Working Voltage: 12

Battery Capacity (Ah): 6.5

B) WHEEL SET FOR VACUUM SLAB POWER LIFTER

Wheel set for use with S00-2697 Vacuum Slab Power Lifter, enabling a one man lift.

Until now, two people have been required for the transportation and installation of slabs and kerbs with the battery-driven S00-2697 Vacuum Power Handy VPH.

Now a wheel set is available, turning the standard VPH two man vacuum slab lifter into a single operator trolley. Quick and easy to install.
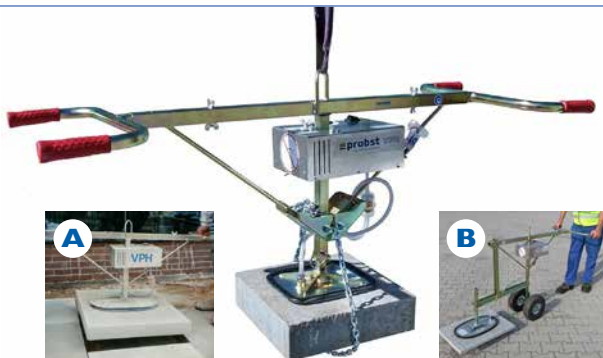
PART NO.	DESCRIPTION
S00-2697	A) VACUUM SLAB POWER LIFTER
S83-4033	B) WHEEL SET FOR VACUUM SLAB POWER LIFTER
S00-2698	C) BATTERY CHARGER FOR VACUUM SLAB POWER LIFTER

CIVILS & SITE EQUIPMENT

TAR BOILER KIT

A heavy gauge steel boiler for the rapid heating of bitumen for use in roadworks and roofing etc.

It comes with a removable inner tank and tap which makes getting tar out of the boiler easier and faster, without the need for ladles.

Kit includes burner, regulator and hose.

5, 15, 25 gallon versions avaialble.

PART NO.	DESCRIPTION
R99-7028	A) TAR BOILER KIT WITH TAP - 5 GALLON
R99-7029	B) TAR BOILER KIT WITH TAP - 15 GALLON
R99-7031	C) TAR BOILER KIT WITH TAP - 25 GALLON

GAS TORCH LANCE WITH REGULATOR

A) S99-3021 Featuring a 600mm neck, high pressure regulator and 5 metres of braided hose. Burner head 60mm diameter

B) S99-3020 Featuring a 600mm neck, high pressure regulator and 5 metres of rubber hose. Burner head 60mm diameter

C) S99-3022 Featuring a 600mm neck, high pressure regulator and 5 metres of rubber hose. Twin Burner 60mm head diameter

D) S99-3023 5 metres steel overbraided gas hose supplied with nut and tail.
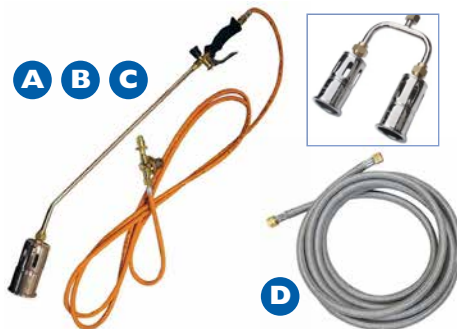
PART NO.	DESCRIPTION
S99-3021	A) GAS TORCH LANCE WITH REGULATOR AND 5M BRAIDED HOSE
S99-3020	B) GAS TORCH LANCE WITH REGULATOR AND 5M RUBBER HOSE
S99-3022	C) GAS TORCH LANCE TWIN HEAD WITH REGULATOR AND 5M RUBBER HOSE
S99-3023	D) BRAIDED GAS HOSE - 5 METRES

PROPANE GAS HEATING

A) S83-2684 Propane Stove
For general use such as melting lead and other metals, compounds, bitumen, etc. generally to about 600 degrees C.

B) S83-3221 Propane Kit Complete
comprising:Torch, Regulator, Nozzle, Coupling Blank, Coupling Nut & Tail, Spanner, Hose High Pressure & Hose Clips

C) S83-2683 Propane Regulator
Working pressure of 8 psi.

D) S83-2681 Propane Nozzle 'D'

E) S83-2682 Propane Coupling
For use with Hose Propane and Regulator

PART NO.	DESCRIPTION
S83-2684	A) PROPANE GAS HEATING RING / STOVE
S83-3221	B) PROPANE KIT COMPLETE

PART NO.	DESCRIPTION
S83-2683	C) PROPANE REGULATOR
S83-2681	D) PROPANE NOZZLE 'D'
S83-2682	E) PROPANE NUT & COUPLING

SIEVERT 2535 POWERJET KIT

The Sievert 2535 Blow Torch Kit available as a kit comprising: blow torch and cartridge (S99-1980), blow torch only (S83-1985) or Cartridge only (S83-2342).

PART NO.	DESCRIPTION
S99-1980	SIEVERT 2535 POWERJET KIT
S99-1985	SIEVERT PRM253501 POWERJET BLOWTORCH ONLY
S99-2342	SIEVERT ULTRAGAS CARTRIDGE 220583

ROTHENBERGER SUPERFIRE 2 BRAZING TORCH

Available separately as follows:
S99-7386 Superfire 2 Blazing Torch only
S99-1988- Superfire -Swirl Flame Burner & Jet
S99-1987 Superfire- turbine Flame Burner Torch Tip
S99-1986 Replacement 400g Gas Cylinder

PART NO.	DESCRIPTION
S99-7386	ROTHENBERGER SUPERFIRE 2 BRAZING TORCH
S99-1988	ROTHENBERGER SWIRL FLAME BURNER & JET FOR SUPER FIRE 2 TORCH
S99-1987	ROTHENBERGER TURBINE FLAME BURNER FOR SUPERFIRE 2
S99-1986	ROTHENBERGER PROPANE GAS CYLINDER 400G

REINSTATEMENT DEPTH GAUGE

Used to complete quick and easy compliance checks of reinstatement after backfill activities are completed.

A simple and efficient product, manufactured from polyethylene plastic, that has predetermined engraved depths for carriageways and footpaths. The Reinstatement Gauge ensures you are always in compliance with SROH.

PART NO.	DESCRIPTION
K70-1691	REINSTATEMENT DEPTH GAUGE

TRENCH MEASURING STICK 1200MM X 195MM

1200mm Two sided trench measuring stick with increments.
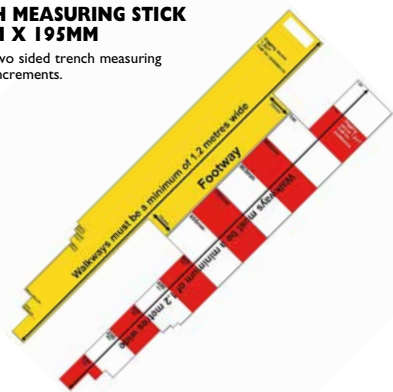
PART NO.	DESCRIPTION
S00-1798	TRENCH MEASURING STICK 1200MM X 195MM

K70-1689 TRENCH MEASURING STICK 1440MM X 135MM

Double sided 1.4 metre red / white plastic trench measuring stick, Conforms to ISO9001:2015.
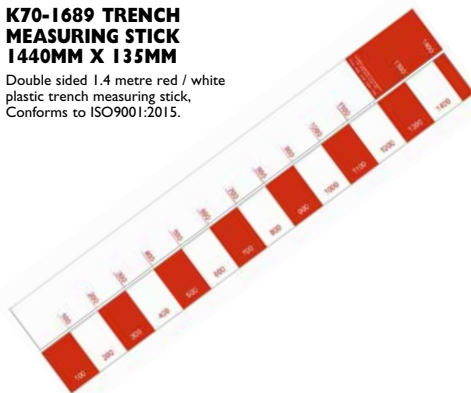
PART NO.	DESCRIPTION
K70-1689	TRENCH MEASURING STICK 1440MM X 135MM

EXCAVATION DEPTH GAUGE 1565MM X 95MM

1565mm trench excavation depth gauge conforms to ISO9001:2008.

PART NO.	DESCRIPTION
S00-1797	EXCAVATION DEPTH GAUGE 1565MM X 95MM

K70-1692 TARMAC GAUGE 1M

Updated to meet current standards of compliance the Tarmac Gauge ensures reinstatements are within tolerance and that ground movement has not crowned or sunk. Used by Councils and Utilities, the units come complete with their own carry case.
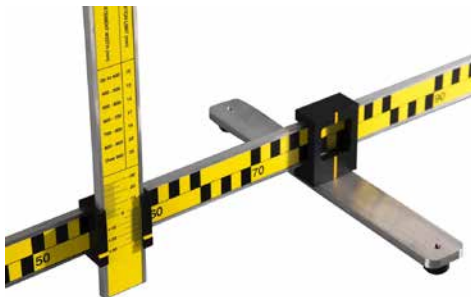
PART NO.	DESCRIPTION
K70-1692	TARMAC GAUGE 1M

DYNAMIC CONE PENETROMETER

This portable hand operated equipment is designed to obtain a direct and rapid in-situ evaluation of the structural strength of road pavement layers constructed with unbound materials.

Set comprises:
- Drop sliding hammer 8 kg weight, falling height of 575 mm
- Impact anvil with driving rod
- Penetration rod with conical 60° point and 20 mm dia.
- Bar wrench, spanners, accessories.
- Now supplied in a plastic carrying case

Case Dimensions (approx): 1210 x 340×190 mm.

Weight: 29 kg.

PART NO.	DESCRIPTION
S83-3472	DYNAMIC CONE PENETROMETER

CIVILS & SITE EQUIPMENT

MEASURING WHEELS

A) Mills Measuring Wheel

Precision measurement of roads, pavements or land up to a distance of 9999.9 metres.

- Strong, foldable tubular steel handle with retaining clip.
- Clear and easy to read
- Wheel Diameter: 31.8cm (12.5")
- Overall Length: 104cm
- Weight: Approx 2.3kg

Ref: 117652.

B) Bosch Gwm 32 Measuring Wheel

The lightweight, PTB Certified, 6-digit counter handy measuring wheel (318.5mm Wheel).

- Wheel diameter: (circumference) 318.5 mm (1 m)
- Max. measured value: 9999.99 m
- Handle: Telescopic handle
- Material: Aluminium
- Measurement accuracy: 1 cm/100 m
- Overall Length: 1090mm
- Weight: 1.4kg

C) Bosch GWM 40 Measuring Wheel

The robust, PTB Certified, 6-digit counter measuring wheel for jobsite use.

- Wheel diameter (circumference) 389.1 mm (1.22 m)
- Max. measured value: 9999.99 m
- Handle: Folding
- Material: Steel
- Measurement accuracy: ± 5 cm/100 m
- Wheel stand
- Weight: 3.3kg

D) Trumeter Measuring Wheel

Precision 1 metre circumference measuring wheel. Easy view 7mm high 6 digit resettable counter reading up to 99999.9 metres. Supplied complete with retractable stand and quick release brake. Handle folds for storage in carry bag supplied. Ref: 117652.

E) Distance Measuring Wheel Dual Mini

Aluminium with dual plastic wheels with a distance range 0 - 9999.9m. Telescopic handle with rubber grip extends 460 - 900mm. Sturdy dual wheels; analogue display with instant zero button. Compact design with a canvas storage bag.

Features:

- Dual wheels for stability
- Instant zero button
- Telescopic handle
- Compact design
- Canvas storage bag

PART NO.	DESCRIPTION
S00-6671	A) MILLS MEASURING WHEEL
P09-5281	B) BOSCH GWM 32 MEASURING WHEEL

PART NO.	DESCRIPTION
P09-5282	C) BOSCH GWM 40 MEASURING WHEEL
S00-1264	D) TRUMETER MEASURING WHEEL
S00-1269	E) DISTANCE MEASURING WHEEL DUAL MINI

CLEGG IMPACT SOIL TESTER 4.5KG

TThe 4.5 Kg CIST/883 Clegg Impact Soil Tester provides an easy and straightforward means for measuring and controlling soil strength and consolidation levels during trench re-instatement. Single button operation design provided for easy use. The foot on the clegg hammer is 130mm in diameter, the hammer itself is 55mm in diameter.

- 4.5 Kg Standard Hammer
- Impact Value (IV) readings stored in memory
- Stored data downloadad by Bluetooth
- %CBR Calculated and can be set to displayed by the user
- Software and ancillaries included
- Carry case provided

PART NO.	DESCRIPTION
S00-3510	CLEGG IMPACT SOIL TESTER 4.5KG

A) CLOSED ABS FIBREGLASS LONG TAPE 30M 100FT

Fibreglass Long Tape features a 13mm wide blade clearly marked in both metric and imperial measurements. This 30m/100ft Fibreglass Long Tape has both metric and imperial measurements.

- Blade Length: 30m/100ft
- Blade Width: 13mm
- Accuracy: EC Class III

B) CHALK LINE 30M

Stainless steel and hook for added durability and rust prevention. Ergonomic design holds 30m of string, 30g chalk capacity.Can be used vertically as a plumb bob. Sliding door for quick and easy refill.

PART NO.	DESCRIPTION
K70-7646	A) CLOSED ABS FIBREGLASS LONG TAPE 30M 100FT
K70-7648	B) CHALK LINE 30M

FOR MORE MEASURING TOOLS

SEE PAGES 362-363

Mills EST. 1911

PORTABLE ASPHALT THERMOMETER

WIth 300mm wide heavy duty handles, spiked stem, aluminium casing, chrome bezel and 385mm stainless steel stem

Stem length: 385mm

Stem diameter: 16mm

PART NO.	DESCRIPTION
S00-1641	PORTABLE ASPHALT THERMOMETER

KEWTECH KEW301 DUAL CHANNEL THERMOMETER

The thermometer measures temperature levels from -200 to 1370°C (-328 to 2498°F) with a resolution of 0.1°C/°F.
The thermometer includes a dual display backlit LCD screen which shows either single or dual testing results and has a tripod connector for hands-free use. Includes MAX/MIN and AVG modes + a relative function.

Features:
• Dual input channel
• Dual reading display
• PC interface
• Auto power off
• Resolution 0.1°C; 0.1°F
• Backlit LCD
• Max, Min & Ave. values
• Relative function
• Choice of T1, T2 or T1-T2 on main display
• Tripod connector on rear
• Battery included
• IEC801-2

PART NO.	DESCRIPTION
C70-2044	KEWTECH KEW301 DUAL CHANNEL THERMOMETER

KEWTECH IR1200 DUAL CHANNEL INFRARED THERMOMETER

The Kewtech IR1200 Dual-Channel Infrared Thermometer is designed for electricians and is capable of taking non-contact (IR) and contact temperature measurements. It will conduct measurements in °C as default, however a °F scale is also available.

Second channel for contact temperature measurement for use with K type connectors (thermocouple included).

Infrared temperature measurement up to 1200°C for non contact measurements

Ambient Temperature Function.

For more information please visit our website millsltd.com

PART NO.	DESCRIPTION
C70-2043	KEWTECH IR1200 DUAL CHANNEL INFRARED THERMOMETER

MARTINDALE INFRARED THERMOMETER IR88

Martindale IR88 gun type infra-red thermometer which has a laser marker to ensure accurate spot measurement.

Temperature range: -30 degrees C to 550 degrees C / -22 degrees F to 1022 degrees F.

Display resolution: 0.5/1 degrees C (Auto), 1 degrees F.

Display: 3.5 digit liquid display (LCD) with maximum reading of 1999

Low battery indication.

Auto power off 10 seconds, can be disabled.

Standy by current consumption- <5A

MAX, MIN record function

Display with back-light

Dimensions: 148mm(H) x 105mm(W) x 42mm(D)

Weight approx. 157g (including battery)

PART NO.	DESCRIPTION
C43-9891	MARTINDALE INFRARED THERMOMETER IR88

A) BOSCH GMS120 METAL MULTI DETECTOR

Professional metal detector from Bosch is the most reliable multi-detector in its class. Automatic calibration means that all objects are found and application errors are avoided and the GMS 120 provides reliable detection even of deep-lying objects - up to a depth of 12cm.

B) 3-IN-1 DETECTOR STUD METAL & LIVE WIRE

The detector can be used to detect and locate wooded studwork, metal and AC voltage, providing a clear indication of concealed objects using the LED and buzzer indicator system. A marking groove is also provided at the top of the detector so that the surface can be marked prior to any drilling, nailing or screwdriving.

Approximate detection depths:

Stud mode: Wood stud of 30x30mm: ≤14mm.

Metal mode: Iron pipe of dia. 25mm: ≤25mm.

AC mode: Typical depth of 50mm for 90-250V at 50-60Hz.

C) ETHOS 4060 3 IN 1 STUD DETECTOR

The product uses five different scanning modes to detect studs, metal, and hot unshielded AC wiring behind walls, floors, and ceilings, as well as detecting rebar in concrete. For safety, in all modes, the product always looks for and warns users of the presence of hot AC. It detects wood up to ¾'' depth.

PART NO.	DESCRIPTION
P09-0694	A) BOSCH GMS120 METAL MULTI DETECTOR
C00-2020	B) 3-IN-1 DETECTOR STUD METAL & LIVE WIRE
C00-0178	C) ETHOS 4060 3 IN 1 STUD DETECTOR

Mills

BOSCH SELF-LEVELLING LASERS

A) Bosch GCL 2-15 Self-Levelling Cross Line Laser With Wall Mount

The compact and versatile Self-Levelling GCL 2-15 Professional Combi Laser from Bosch is designed for all levelling applications at distances of up to 15 m.

Tradespeople can use the tool to project both a horizontal and a vertical laser line as well as two centered plumb points for transfer applications on the floor and ceiling. The highly visible laser lines can be easily and precisely aligned in a 360° circumference around the fixed plumb points – without having to re-position the tool.

B) Bosch GCL 2-15 G Green Beam Self-Levelling Cross Line

Short-range levelling work in bright environments covering areas of up to 15 meters just got even easier.

When working in areas with bright ambient light, such as near windows, the green laser diodes of the Bosch GCL 2-15 G Professional combi laser can be seen significantly more clearly than the red laser lines of other tools on the market.

C) Bosch GCL 2-50 C Self-Levelling Combi Line & Point Laser

The GCL 2-50 C (Connected) Self-Levelling Combi Line & Point Laser Level is the latest tool in the range of "Simply Connected" tools from Bosch. Via Bluetooth, the combi lasers can be controlled hands-free from a smartphone – including over longer distances. It's a dual power device, meaning you can power it using your existing 10.8v / 12v Lithium-Ion batteries, or via disposable AA Alkaline batteries (x4 included). Also included is the RM2 wall mount, protective pouch and laser target card.

D) Bosch Tripod BT 150 for Levelling Tools

With a flexible tripod head positioning that enables easy tilt and full 360° rotation, a fine height adjustment range of 0.55 m to 1.57 m for versatile working heights, and integrated bubble vials that ensure perfectly level support, the BT 150 is the perfect tripod for levelling tools. This robust, high-quality aluminium tripod features rubber feet for stability on any floor as well as a ¼" thread for fast and easy tool fixing.

Technical Data	A) Bosch GCL 2-15	B) Bosch GCL 2-15 G	C) Bosch GCL 2-50 C
Part Number	PO9-5004	PO9-5689	PO9-5960
Working Range of Visible Laser Lines	15m	15m	20m (50m /w receiver)
Accuracy of Laser Lines	±0.3 mm/m	±0.3 mm/m	±0.3 mm/m
Working Range of Plumb Dots	10m (up and down)	10m (up and down)	10m (up & down)
Accuracy of Plumb Dots	±0.7 mm/m	±0.7 mm/m	±0.7 mm/m
Self-levelling Range	±4°	±4°	±4°
IP Rating	IP54	IP54	IP54
Tripod Mount	¼" and 5/8"	¼" and 5/8"	¼"
Operating Temperature	-10°C…+50°C	-10°C…+50°C	-10°C…+50°C
Working Temperature	-20°C…+70°C	-20°C…+70°C	-20°C…+70°C
Laser and Class Type	Class 2; <1mW Red	Class 2; <1mW Green	Class 2; <1mW Red
Battery Type	3x1.5V AA	3x1.5V AA	12V Li-ion (2.0 A) 4xAA + AA1 Adapter
Connectivity	x	x	Bosch Levelling Remote App

PART NO.	DESCRIPTION
P09-5004	A) BOSCH GCL 2-15 SELF-LEVELLING CROSS LINE LASER WITH WALL MOUNT
P09-5689	B) BOSCH GCL 2-15 G GREEN BEAM SELF-LEVELLING CROSS LINE
P09-5960	C) BOSCH GCL 2-50 C SELF-LEVELLING COMBI LINE & POINT LASER
P09-5006	D) BOSCH TRIPOD BT 150 FOR LEVELLING TOOLS

Technical Data	D) BT 150
Work Height	55-157 cm
Weight, Approx	1.3 kg
Tripod Thread	1/4"
Working Range of Plumb Dots	10m (up & down)

BOSCH LASER MEASURES

A) Universal Distance 40 C Digital Laser Measure
Precise laser measurements up to 40m with app connected digital documentation. The UniversalDistance 40 C's integrated functions enable area and volume calculations to determine the amount of material needed for jobs such as flooring installations and even wallpaper or paint for wall projects. Results are featured on a high-quality colour display for optimum readability. All data can be sent to the Bosch app for digital documentation and project planning, saving time and preventing errors.

B) Bosch GLM 40 Laser Measure
Use the GLM30 to make your distance measuring easy, with a 0.15-40 metre range. One touch button operation and illuminated readings.

C) Bosch GLM 50 C Laser Measure
Bosch GLM 50 Professional Laser Measurer with a range of 0.05-50m and direct digital transfer of measuring results.
• Quick and efficient data transfer via Bluetooth & USB
• Measurement range: 0.05 – 50 m
• Measurement accuracy, typical: ± 1.5 mm
• Measurement time, typ.: < 0.5 s
• Measurement time, max.: 4 s
• Power supply: 2 x 1.5 V LR03 (AAA
• Automatic storage of the last 30 measured values and one constant
• 2 x 1.5v AAA-size batteries included
• Protective bag included

PART NO.	DESCRIPTION
P09-0700	A) BOSCH UNIVERSAL DISTANCE 40 C DIGITAL LASER MEASURE
P09-5278	B) BOSCH GLM 40 LASER MEASURE
P09-3495	C) BOSCH GLM 50 C LASER MEASURE

A) HEAVY DUTY TARPAULIN 5.4 X 3.6M

Lightweight, UV treated, mildew-proof, flexible and tear resistant. Crack resistant in low temperatures. Eyeletted approx. every 900mm. Colour: Blue.

B) HEAVY DUTY TARPAULIN 9.0 X 6.1M

Tear-proof laminated tarpaulin, waterproof and treated with UV filter for durability and extended service life. Mould and mildew resistant.

Rust resistant metal eyelets at 1m intervals.

PART NO.	DESCRIPTION
S00-1470	A) HEAVY DUTY TARPAULIN 5.4 X 3.6M
S00-3600	B) HEAVY DUTY TARPAULIN 9.0 X 6.1M

JUTE TARPAULIN GREEN

Green, wax proofed jute tarpaulin with double sewn seams and hemmed edges for general site work and the covering of tarmac.
A) Dimensions: 2.74 x 3.66 metres / 9ft x 12ft
B) Dimensions: 3.66 x 4.57 metres / 12ft x 15ft
C) Dimensions: 3.66 x 5.48 metres / 12ft x 18ft

PART NO.	DESCRIPTION
S00-3601	A) JUTE TARPAULIN GREEN - 2.74 X 3.66M
S00-3602	B) JUTE TARPAULIN GREEN - 3.66 X 4.57M
S00-3603	C) JUTE TARPAULIN GREEN - 3.66 X 5.48M

INSULATED TARMAC DUVET

Features quilted polythene infill complete with eyelets.
Used to shield materials from the chilling impacts of wind and rain.
A) Insulated Tarmac Duvet - 9ft x 12ft / 2.74 x 3.66m
B) Insulated Tarmac Duvet - 9ft x 15ft / 2.74 x 4.57m
C) Insulated Tarmac Duvet - 12ft x 18ft / 3.66 x 5.48m

PART NO.	DESCRIPTION
R99-7025	INSULATED TARMAC DUVET - 2.74 X 3.66M
R99-7026	INSULATED TARMAC DUVET - 2.74 X 4.57M
R99-7027	INSULATED TARMAC DUVET - 3.66 X 5.48M

SHEET CANVAS

Ground sheet typically used during jointing type work, lightweight canvas sheet, 5'9 x 5'.
Does not drip when wet.
Five eyelets fitted on one side.

PART NO.	DESCRIPTION
S83-0701	SHEET CANVAS

SPOIL SHEET 2.1M

A general purpose heavy duty spoil sheet. Square, double skin 2.1m

PART NO.	DESCRIPTION
S83-0702	SPOIL SHEET 2.1M

SHEET WATERPROOF 1

General purpose waterproof sheet size 5' x 4'2''
Also known as a ground sheet

PART NO.	DESCRIPTION
S83-0699	SHEET WATERPROOF 1

A) DUST SHEET COTTON TWILL 3.6 X 2.7M (12' X 9')

Absorbent 100% woven cotton twill dust sheet with waterproof polyethylene backing
Size 3.6 x 2.7m (12' x 9') approximately.

B) PREMIUM COATED DUSTSHEET 3.6 X 2.7M (12' X 9')

Premium quality close-weave 100% cotton with polyethylene backing dust sheet
Dimensions: 3.6 x 2.7 metres (12' x 9').

PART NO.	DESCRIPTION
S00-1251	A) DUST SHEET COTTON TWILL 3.6 X 2.7M (12' X 9')
S00-2793	B) PREMIUM COATED DUSTSHEET 3.6 X 2.7M (12' X 9')

MILLS WORK AREA PROTECTION MAT

An 85 x 150 cm work area protection mat with a liquid repellant backing for increased protection in the event of a spillage.

PART NO.	DESCRIPTION
S00-4729	MILLS WORK AREA PROTECTION MAT

CIVILS & SITE EQUIPMENT

Mills EST. 1919

GROUND SHEET CARRIAGEWAY BOX

Hi-vis ground sheet tailored in size to be used with all popular 'JRC' and' JUF' Carriageway Boxes.

The sheet measures 2.1m x 1.5m and is manufactured from hi visibility PVC backed Polyester offering a strong, dry and durable membrane for the operator as well as saving the need for numerous sheet along each side of a pit.

PART NO.	DESCRIPTION
S83-6621	GROUND SHEET CARRIAGEWAY BOX

D DOOR QUICK ERECT TENT - 1.8M X 1.8M X 2M

A quick erect jointers tent, ready to use in just 10 seconds. D door versions are the preferred choice for telecommunications use as they are easily able to fit over most street enclosures. This D door version measures 180 x 180 x 200cms, weighs just 8kg and can be quickly packed away into the supplied carry bag. Folded dimensions 135 x 19 x 19cm.

Features:

- Upgraded stronger centre joint
- Folded 135cm x 19cm x 19cm
- Fibreglass Rod dia. 12mm
- 100% Waterproof fabric
- 100% Waterproofed
  - TAPED seams
- No loose components
- Rods FIXED firmly
  into centre joint
- Walk in height 1.75m
- Flame retardant – CPAI-84
- 10 second easy assembly
- Non-conductive
- PU coated Polyester Cover
- Side mesh covered vents
  - zipped - 2off
- Guy lines & tent pegs
- Heavy-duty PVC carry bag
- Assembly instructions
- 1.8m (L) x 1.8m (W) x 2m (H)
- Weight 8kg

PART NO.	DESCRIPTION
S00-5384	D DOOR QUICK ERECT TENT - 1.8M X 1.8M X 2M

TELECOMS JOINTERS TENTS

Heavy duty telecommunication quick erect tents ready for use in 10-15 seconds, manufactured from 350gms translucent PVC reinforced flame retardant (BS7837:1996) material that allows natural light through into the work area. The tent is supplied with 3 guy lines & tent pegs in a heavy duty storage bag. Available in three sizes 1.8m² x 2.0m tall, 2.1m² x 2.0m tall and 1.0m² x 1.8m tall.

A) Dimensions: (folded in storage sack): 1.45 x 0.35 x 0.35m. Weight: 14kg
B) Dimensions: (folded in storage sack): 1.50 x 0.25 x 0.25m. Weight: 19kg
C) Dimensions: (folded in storage sack): 1.05 x 0.25 x 0.25m. Weight: 8.5kg

Alternative sizes and configurations of these tents are available upon request and include: your company's logo branding, internal guide rope, rear door access, windows, additional zips, hi visibility safety stripes and ballast bags. Please call sales with your requirement.

PART NO.	DESCRIPTION
S00-6750	A) TELECOMS JOINTERS TENT 1.8 x 1.8 x 2.0M
S00-6749	B) TELECOMS JOINTERS TENT 2.1 x 2.1 x 2.0M
S00-6952	C) TELECOMS JOINTERS TENT 1.0 x 1.0 x 1.8M

JOINTER'S POLE TENT

Designed in association with leading telecom contractors to assist with the BDUK fibre roll out programme, allowing engineers to complete time dependant jointing and inspection work during wet and windy conditions - ensuring projects are delivered on time, profitably, whatever the weather. The tent can be erected in less than 15 seconds and be completely operational and secured to a pole within 3 minutes. Utilising a 5 piece zip door with Velcro strapping, the tent offers left, central and right positioning to suit most pole sites.
Erect dimensions: 120cm x 120cm with a height of 210cm

PART NO.	DESCRIPTION
S83-5974	JOINTER'S POLE TENT

JOINTERS TENTS 12A

Traditional aluminium framed jointers tents with robust cover manufactured from flame retardant BS7837:1996 translucent 350gms PVC, allowing the maximum natural light into the tent as possible.

The tent has a zip fastened down at the centre of both ends. The construction ensures quick assembly, normally within approx. 2-3 mins.

The jointers 12A tents are available in a standard size 1.2(l) x 1.5(w) x 1.8(h) metre for normal applications and also an extra wide 1.2m(l) x 2m(w) x 1.8m(h) version for G.Fast cabinet application.

A) Jointer Tent 12A – for standard jointing application.

1.2(l) x 1.5(w) x 1.8(h) Folded dimensions
120cm(l) x 23cm(w) x 80cm(h) -weight 20kg.

B) Jointer G.Fast Tent 12A for use with G.Fast street cabinets.

(Wider than the Tent 12A Jointers tent S83-0783).
1.2m(l) x 2m(w) x 1.8m(h) Folded dimension
– 1.2m(l) x 0.3m(w) x 1.0m(h)- weight 21.5kg.

PART NO.	DESCRIPTION
S83-0783	A) JOINTER TENT 12A FOR STANDARD JOINTING APPLICATIONS
S00-2872	B) JOINTER G.FAST TENT 12A FOR USE WITH G.FAST STREET CABINETS

FIBRE OPTIC WORK TENTS

Manufactured from 500gms PVC reinforced FR material.

Quick erect extra heavy duty tents with robust cover manufactured from 500gms flame retardant BS7837:1996 translucent 350gms PVC, allowing the maximum natural light into the tent as possible, making them ideal for fibre jointing.

The tent has a rear twin zip access.

These tents have non conductive fibre glass frames and are supplied with 3 x external Guy lines & Tent pegs.

Available in two sizes:

A) Fibre Optic Work Tents 200cm (l) x 200cm (w) x 200cm

B) Fibre Optic Work Tents 250cm (l) x 250cm (w) x 200cm

PART NO.	DESCRIPTION
S00-2881	A) FIBRE OPTICS WORK TENT 2.0M X 2.0M X 2M
S00-2882	B) FIBRE OPTICS WORK TENT 2.5M X 2.5M X 2M

G.FAST TENTS

Quick erect specialist G.Fast tents with robust cover manufactured from flame retardant BS7837:1996 translucent 350gms PVC, allowing the maximum natural light into the tent as possible.

The tent has a rear twin zip access. These tents have non conductive fibre glass frames and are supplied with 3 x external Guy lines & Tent pegs as well as 4 x internal Guy lines. The G.Fast tents collapse down to 140cm x 30cm and are supplied with a compact carrying bag.

Available in two sizes:
A) G.Fast Tent 125cm (l) x 200cm (w) x 200cm.
B) G.Fast Tent 125cm (l) x 190cm (w) x 153cm.

PART NO.	DESCRIPTION
S00-2873	A) G.FAST SPEED TENT 1.25M X 2M X 2M
S00-2880	B) G.FAST SPEED TENT 1.25M X 1.9M X 1.53M

DRYCAB INSTALLATION TENT

A stable and safe environment for the installation and maintenance of external Smart Meters and EV charging points in addition to telecoms and fibre installations.

Features:
Light and portable
Inflates in 2 minutes
Deflates in 2 minutes
Durable, stable and reliable
Waterproof construction

Material:
Full flame retardant fabric adhering to EN5912 safety standard.
Durable 210 denier material
Waterproof and water resistant - flysheet and groundsheet are factory tapes provoding a water tight seal.
Full UV protection
Non conductive
Installation: Manual Pump (included)
Manufactured by Vango with over 50 years experience in design and manufacture.
Weight: 5kg

PART NO.	DESCRIPTION
S00-0950	DRYCAB INSTALLATION TENT

MILLS FISHING UMBRELLA AND CLAMPS

Dual action large umbrella, ideal for jointers working at cabinets This fishing style dark dreen umbrella is supplied with a sleeve cover and integrated carry strap –extendable 20mm handle length collapsed 108cm- extended height 1.9m.

PART NO.	DESCRIPTION
S00-3573	FISHING UMBRELLA

HEAVY DUTY FULLY NON-CONDUCTIVE UMBRELLAS

Made from a heavy duty 350g translucent PVC reinforced cover material that is 100% waterproof and flame retardant (BS7837:1996) these umbrellas have no metal parts and are fully non-conductive being constructed of fibreglass. Available in two sizes: 1.8m (6ft) and 2.4m (8ft) both with or without side curtains

A

B

PART NO.	DESCRIPTION
S00-6710	A) HEAVY DUTY UMBRELLA 1.8M 6FT
S00-6711	B) HEAVY DUTY UMBRELLA + SIDE CURTAINS 1.8M 6FT
S00-6712	A) HEAVY DUTY UMBRELLA 2.4M 8FT
S00-6713	B) HEAVY DUTY UMBRELLA + SIDE CURTAINS 2.4M 8FT

A) HEAVY DUTY UMBRELLA NON-CONDUCTIVE SQUARE 1.2M 4FT

Fully non-conductive, heavy duty square umbrella with translucent PVC canopy and telescopic fibre glass handle.

Features:
* Canopy: 1.2 x 1.2m
* Translucent PVC
* Telescopic Handle: 1.35 – 2 metres
* Handle material: Fibre glass
* Flame retardant
* Fully non-conductive

Available with or without detachable zipped curtains.

Umbrella bases are for illustraion only.

A

B

PART NO.	DESCRIPTION
S00-2871	A) SQUARE UMBRELLA NON CONDUCTIVE
S83-3265	B) SQUARE UMBRELLA NON CONDUCTIVE WITH SIDE CURTAIN

CONTRACTOR'S UMBRELLA WITH DETACHABLE SIDE SKIRT

Ideal for telecommunications work in all weather, this work umbrella allows easy temporary shade or cover whilst working in difficult situations.

The canopy can be tilted in any direction for shading. A curtain is included with zip fastening and 2 x windows on the side panels. Waterproof taped seams & Flame Retardant. Included: 1 x Storage bag, 3 x pegs and ropes.

Dimensions:
Internal height to lower ribs - 180cm (6ft)
Walk in height - without curtain - 169cm (5.5ft)
Walk in height - with curtain - 142cm (4.6ft)
Canopy point to point - 206cm
Canopy flat to flat - 193cm
Packed - 24 x 33 x 155cm
Zip around curtain with window panels x 2 (28cm x 42cm)

PART NO.	DESCRIPTION
S00-6718	CONTRACTOR'S UMBRELLA WITH DETACHABLE SIDE SKIRT

NON-CONDUCTIVE UMBRELLAS

Made from a white 4oz flame retardant (BS7837:1996) polyester material with a fibreglass centre pole. Available with or without detatchable zipped side curtains. Size: 1.8M (6ft).

A

B

PART NO.	DESCRIPTION
S00-6714	A) ECONOMY UMBRELLA 1.8M 6FT
S00-6715	B) ECONOMY UMBRELLA WITH SIDE CURTAINS 1.8M 6FT

A) SUCTION UMBRELLA CLAMPS (PAIR)

Ideal for work on street cabinets, this umbrella clamp consisting of two suction clamps with support tubes. For use with the Mills umbrella (S00-3573).

A

B) MILLS PITMATE UMBRELLA CLAMP FOR MOBRA FRAME

An 'L' shaped clamp which quickly fixes to the Mobra frame. The umbrella clamp accepts most umbrella with a stock of 18-34mm.

B

C) UNIVERSAL UMBRELLA CLAMP

A universal umbrella clamp suitable for telecoms work. It can affix to almost any surface giving the perfect angle for coverage every time. G-clamp design featuring a ball joint for variable surface angles with 360 degrees rotation in positive locking increments. Pole diameter 28mm to 35mm.

C

PART NO.	DESCRIPTION
S00-3574	A) SUCTION UMBRELLA CLAMPS (PAIR)
S83-7625	B) MILLS PITMATE UMBRELLA CLAMP FOR MOBRA FRAME
S00-6716	C) UNIVERSAL UMBRELLA CLAMP

STOOL FOLDING

The Mk2 Jointers Stool has been designed in conjunction with a major UK telecom utility and reflects the changing height and weight of the average adult jointer and is an upgraded version of the traditional 'Stool Folding'. The stool is tested to 150kg.

Height 39cm with a seat size of 40cm x 28.5cm

PART NO.	DESCRIPTION
S13-4455	STOOL FOLDING JOINTERS MK2

FIBRE OPTIC SPLICERS CHAIR

Manufactured from heavy duty 25mm steel tube this quick fold chair has a 135kg (300lb) rating. The chair features a convenient side tray with cup holder, fabric storage / organiser system and is ideal for outdoor fibre splicing or cabinet work. Fibre tools and consumables are shown for illistrative purposes and are not included.

• Size: 48 x 34 x 86 (WxHxD)
• Weight: 6.16kg

PART NO.	DESCRIPTION
S00-6995	FIBRE OPTIC SPLICERS CHAIR

BOSCH MOBILE WORKBENCH PWB600

Unique workbench with folding concept for quick set-up, easy transport and storage.

Waterproof and scratch resistant bamboo surface for long life usage.

Compact when folded, 9cm wide.

Height of workbench 83.4cm.

Maximum clamping width with clamp dogs/bamboo boards 52.5 x 8.5mm.

Clamping depth 3.4mm.

Carry capacity 200kg.

Aluminium construction.

PART NO.	DESCRIPTION
S00-7256	BOSCH MOBILE WORKBENCH PWB600

PRO FLIP-TOP WORKBENCH

Heavy duty, professional workbench with rigid, square section steel frame.
Large work surface with two 605 x 120mm work tops.
Adjustable table tops can be angled at 0°, 45° or 90°

• 150kg max load.
• Weight: 6.34kg
• Requires assembly

PART NO.	DESCRIPTION
S83-0754	PRO FLIP-TOP WORKBENCH

FIBRE OPTIC SPLICER'S TABLES

Portable splicing tables, lightweight, with a sturdy and durable frame, available in square and rectangular options

A) Rectangular fibre optic splicer's table dimensions
Open size: 120 x 80 x 70 cm (W x D x H)
Folded size: 1200 x 80 x 6 cm (W x D x H)
Frame: Aluminium. Weight: 5.2 kg
B) Square fibre optic splicer's table dimensions
Open size: 80 x 80 x 70 cm (W x D x H)
Folded size: 80 x 80 x 6 cm (W x D x H)
Frame: Aluminium. Weight: 3.9 kg

PART NO.	DESCRIPTION
S00-6997	A) FIBRE OPTIC SPLICER'S TABLE RECTANGULAR
S00-6996	B) FIBRE OPTIC SPLICER'S TABLE SQUARE

FOLDING WORKSTATION

A heavy duty foldable steel framed work bench, ideal for fibre splicing, which can be set up in seconds giving a working height of 755mm and able support up to 180kg.

The workbench is supplied with 2 x 300mm (12") clamps as standard which can be used for horizontal and vertical clamping.

Bench measures 850mm L x 550mm W with a weight of 12.25kg

Fold flat storage size: 850 x 550 x 115mm.

PART NO.	DESCRIPTION
S83-2711	FOLDING WORKSTATION

MULTI-ANGLE VICE - 75MM (3IN) JAW

The multi-angle vice with 75mm (3") jaw width, features a ball joint which allows you to rotate your project a full 360° and lock it at any angle. The vice is supplied with removable rubber jaws and has a large C-clamp mount allowing it to be clamped to work surfaces up to 60mm (2.3/8in) thick
Jaw capacity: 75mm (3in).
Dimensions:
21 x 20.5 x 7.5cm

PART NO.	DESCRIPTION
N70-2901	MULTI-ANGLE VICE - 75MM (3IN) JAW

FOLDING TROLLEY - 3 LEVEL

TFolding composite trolley with a 25kg capacity per shelf. Walls on all four sides to stop items from sliding off the trolley. Four large castors, two locking. Folds up in seconds for easy storage when not in use.

• Overall Size (W x D x H): 670 x 430 x 855mm.
• Capacity: 25kg/Level
• Nett Weight: 6.42kg
• Shelf Size (W x D): 595 x 370mm

PART NO.	DESCRIPTION
B72-0040	FOLDING TROLLEY - 3 LEVEL

CIVILS & SITE EQUIPMENT

A) MILLS PUMP SUBMERSIBLE 3A

A submersible pump designed for pumping out clean water from telecommunication boxes, pits and chambers.

The Mills 2" (50mm) 110 volt 450w pump weighs just 11kg and can raise water from 11 metres at 250 litres per minute.

The Mills 3A Submersible pump can be submerged to a depth of 5 metres and is supplied with a float switch which allows the pump to automatically stop once the chamber has been drained.

As a package the pump is supplied with 15 metres of 2" (50mm) lay flat hose 3A complete with associated fittings.

Height: 28.5 x 27.5 x 36.5cm - Weight 13kg.

B) MILLS CAMLOCK FITTINGS SET FOR JOINING SUBMERSIBLE TWO INCH HOSES

Fittings Set for Joining Submersible Two Inch Hoses. Male and female plastic camlock fittings for joining S83-2984 2" (50mm) lay flat hoses together.

The set comprises a male and female camlock fitting with 2 x hose clips.

C) MILLS SUBMERSIBLE PUMP HOSE EXTENSION KIT 20M

Lay Flat 3A hose extension kit for use with 2" submersible pumps comprising:

S83-2984 Hose Lay Flat 3A

Lay flat hose for use with Pumps Submersible 3A and 4A and Pump Portable 2". Length 20 metres.

P57-5087 Mills Camlock Fittings Set for Joining Submersible 2" Hoses

Male and female plastic camlock fittings for joining S83-2984 2" (50mm) lay flat hoses together.

The set comprises a male and female camlock fitting with 2 x hose clips.

D) HOSE LAY-FLAT 3A

Lay-flat Hose, 15m length supplied. For use with Pumps submersible 3A & 4A and Pump Portable 2". Cut to length, price dependent on length required.

E) HOSE SUCTION 2A

Suction Hose for use with Pump Portable 2", 5m length typically required. Cut to length, price dependent on length required.

| PART NO.	DESCRIPTION
S83-1612	A) MILLS PUMP SUBMERSIBLE 3A
P57-5087	B) MILLS CAMLOCK FITTINGS SET FOR JOINING SUBMERSIBLE TWO INCH HOSES
S83-2901	C) MILLS SUBMERSIBLE PUMP HOSE EXTENSION KIT 20M
S83-2984	D) HOSE LAY-FLAT 3A - LENGTH 15M
S83-2983	E) HOSE SUCTION 2A - LENGTH 5M

PUMP PORTABLE 2" AND ACCESSORIES

Surface type water-pump 2". Suction and Outlet Hoses to be ordered separately. 4 stroke petrol engine 2" water pump housed in a robust carrying frame.

- Peak pump rate 550 litres per minute
- Suction height 8 metres, 26 metre max pump head to enable high water lift
- Includes strainer and hose connections
- Weight: 27kg Dimensions: 480 x 390 x 400m

PART NO.	DESCRIPTION
S83-3249	A) PUMP PORTABLE 2"
S83-2985	B) FILTER
S83-2986	C) HOSE CONNECTOR
S83-2987	D) CLIPS
S83-2988	E) RUBBER SEALS
S83-2989	F) PLUG TOOL AND BAR
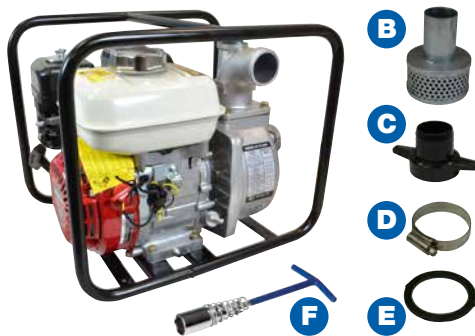
A) PUMP SUBMERSIBLE 3A

Traditional Openreach drainage and submersible type water pump, 110v used to pump out underground structures.

- Centrifugal Impeller
- 110v - 0.69Kw
- 310 Litres Per Minute Maximum
- 9.5 Metres Head Maximum
- 2" BSP Female Outlet c/w Hose tail Connection
- Supplied complete with 10 Metres of Power Cable

Dimensions - L490 x W248 x H409 mm

Weight: 13.4 kg

Lay-flat Hose 3A to be ordered separately S83-2984

Ref: 141620.

B) CLARKE CPP3000B DRILL POWERED WATER PUMP

Drill powered pump, ideal for transferring light liquids. Robust plastic body and stainless steel internal parts avoid corrosion.
Fits all portable electric drills (350W min, 2000 – 3000rpm operating speed).
Flow rate – 40 to 50 litre/min max.
(reduced if filter used) at 28psi.
Max. suction height 2m, Max. outlet (pumping) head 15m.
Use with 19mm (¾") inside diameter hose (P07-3510- not included).

C) 12 VOLT SUBMERSIBLE TRANSFER PUMP

12 volt submersible transfer pump is ideal for removing bilge water etc. where there is no or limited access to mains electricity. Supplied with 3m outlet hose with a stainless steel nozzle and 4m (approx.) battery cable with crocodile clips.

Features:

- 12V, 4.5A DC power supply
- Flow rate 21L/min
- Removable filter assembly for easy cleaning
- Dimensions (DxWxH): 56x56x160mm
- Weight: 670g

Not suitable for use with petrol

PART NO.	DESCRIPTION
S83-0708	A) PUMP SUBMERSIBLE 3A
S83-0140	B) CLARKE CPP3000B DRILL POWERED WATER PUMP
S83-0141	C) 12 VOLT SUBMERSIBLE TRANSFER PUMP

A) MILWAUKEE M12 HYDROPASS BRUSHED STICK WATER PUMP

12 v cordless stick pump for quick and easy drainage of underground structures.

Specifications:

Flow rate: 2040 litres per hour

Flow rate: 34 litres oer minute

Max. head height: 4.5 metres

Max. water temperature: 60°C

Thread size: 3/4" (19mm) male thread

2,3 and 4 Ah Batteries options available, as well as 240v or 12v DC charger option

*Bare unit only - Please order batteries and charger separately.

C) Milwaukee C12 C M12 Charger

D) Milwaukee M12-18 Car Charger

B) Milwaukee REDLITHIUM M12 Battery 2.0 Ah

PART NO.	DESCRIPTION
P09-1010	A) MILWAUKEE M12 HYDROPASS BRUSHED STICK WATER PUMP
P09-1011	B) MILWAUKEE REDLITHIUM M12 BATTERY 2.0 AH
P09-1012	B) MILWAUKEE REDLITHIUM M12 BATTERY 4.0 AH
P09-1013	B) MILWAUKEE REDLITHIUM M12 BATTERY 6.0 AH
P09-1014	C) MILWAUKEE C12 C M12 CHARGER
P09-1015	D) MILWAUKEE M12-18 CAR CHARGER

CIVILS & SITE EQUIPMENT

HOSES AND FITTINGS

A) 12.5mm (1/2") Hose 30m PVC Reinforced

Hose diameter: 12.5mm / 1/2"

Length: 30 metres

B) 12.5mm (1/2") Hose 50m H/Duty Braided

Length: 50 metres

Diameter: 12.5mm / 1/2"

C) 19mm (3/4") Hose 50m PVC Reinforced

Diameter: 19mm (3/4in)

Length: 30m

D) 4 Piece 12.5mm (1/2") Hose Fitting Kit

Kit includes:
• 1 x 12.5mm Hose Spray Nozzle
• 1 x 12.5mm Dual Tap Connector
• 1 x 12.5mm Water Stop Hose Connector
• 1 x 12.5mm Hose Connector

E) 3 Piece 19mm (3/4") Hose Fitting Kit

Kit includes:
• 1 x 19mm Dual Tap Connector
• 1 x 19mm Stop Hose Connector
• 1 x 19mm Hose Connector

PART NO.	DESCRIPTION
P07-3511	A) 12.5MM (1/2") HOSE 30M PVC REINFORCED
S00-0222	B) 12.5MM (1/2") HOSE 50M H/DUTY BRAIDED
P07-3510	C) 19MM (3/4") HOSE 50M PVC REINFORCED

PART NO.	DESCRIPTION
P07-3502	D) 4 PIECE 12.5MM (1/2") HOSE FITTING KIT
P07-3501	E) 3 PIECE 19MM (3/4") HOSE FITTING KIT

PUMP ACCESSORIES

A) Pump Utility Bailer

For emptying spaces such as inspection chambers. The short inlet hose and longer discharge hose make this a useful and economical transfer pump. Also known as a bilge pump

B) Pump Hand No.1

A lightweight hand operated pump used to extract water from joint boxes.

It has a maximum output of 1 litre per complete stroke at 2 metre lift, with a maximum lift of 3.6 metres.
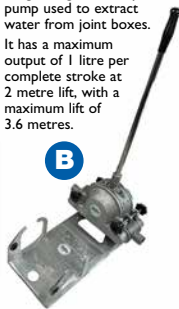
C) Hose for Pump Hand No.1

Hose for use with Pump Hand No.1. Outside diameter: 50mm

Length 3 metres

D) Jubilee Clips for Pump Hand No.1

Pack of 3 Jubilee Clips for the attachment of the hose to Pump Hand No.1

E) Bowl GI Galvanised Iron Bowl with Handle

Multipurpose galavanised bowl, used for bailiing or heating water.

Diameter: 9"

PART NO.	DESCRIPTION
S83-0710	A) PUMP UTILITY BAILER
S83-3547	B) PUMP HAND NO.1

PART NO.	DESCRIPTION
S83-3548	C) HOSE FOR PUMP HAND NO.1
S83-3549	D) JUBILEE CLIPS FOR PUMP HAND NO.1 PACK OF 3
S83-0923	E) BOWL GI GALVANISED IRON BOWL WITH HANDLE

WATER TESTING

A) Mills Water Sampling Kit with Litmus Strips

Mills Telecoms Water Sampling Kit now with litmus strips is designed to enable clear identification of polluted water.

Environment Agency Guideline PPG20 requires the sampling of water of underground structures before de-watering can take place.

B) Litmus Paper Test Strips with Control Card

Set of 80 Professional Litmus Paper 1-14 pH Test Strips with control card. Suitable for testing the acidity / alkalinity of Water in underground chambers when used with the S83-7602 Mills Water Sampling Kit.

Also suitable for testing Cosmetics, Soil etc.

C) Digital PH Tester

For determining the acidity / alkalinity in potentially contaminated water in underground chambers.

D) Water Test Cup

Water Test Cup with black lanyard used for enabling clear identification of polluted water in underground chambers. Capacity: 1/2 pint.

PART NO.	DESCRIPTION
S83-7602	A) MILLS WATER SAMPLING KIT WITH LITMUS STRIP
S00-1883	B) LITMUS PAPER TEST STRIPS WITH CONTROL CARD
C00-1666	C) DIGITAL PH TESTER
S83-1937	D) WATER TEST CUP

JERRY CANS AND ACCESSORIES

A B C D

FOR FULL DESCRIPTIONS VISIT OUR WEBSITE **MILLSLTD.COM**

I

E F G H

J

K

L M O P Q R S

N

PART NO.	DESCRIPTION
S83-3681	A) PLASTIC FUEL CAN GREEN 5 LITRES
S83-3682	B) PLASTIC FUEL CAN BLACK 5 LITRES
S00-2742	C) PLASTIC FUEL CAN RED 5 LITRES
S83-1694	D) METAL JERRY CAN GREEN - 5 LITRES
S83-2743	E) METAL JERRY CAN GREEN - 10 LITRES
S83-2742	F) STEEL JERRY CAN GREEN - 20 LITRES
S83-2871	G) STEEL JERRY CAN BLACK - 20 LITRES
S83-2870	H) STEEL JERRY CAN RED - 20 LITRES
S83-2873	I) SPOUT FOR STEEL JERRY CAN - GREEN

PART NO.	DESCRIPTION
S83-2874	J) SPOUT FOR STEEL JERRY CAN - BLACK
S83-2872	K) SPOUT FOR STEEL JERRY CAN - RED
S83-2751	L) VEHICLE BRACKET FOR 10 LITRE JERRY CANS
S26-0294	M) FUNNEL AND SPOUT 140MM
S26-4814	N) FUEL SYPHON PUMP
S00-7820	O) PLANT TAG - PETROL
S00-7821	P) PLANT TAG - DIESEL
S00-7823	Q) PLANT TAG - 2-STROKE
S26-0295	R) TWO STROKE FUEL MIXING BOTTLE
R99-1130	S) STIHL 2-STROKE OIL 100ML - BOX OF 24

A) PLANT NAPPY

B) PLANT NAPPY LINER

Re-useable Plant Nappy liner for use with relevant sized Plant Nappy.

B

A

Plant Nappy sits under a huge range of plant machinery and hand-held equipment to adsorb oil and prevent it from reaching the ground, protecting the environment.

PLEASE SEE WEBSITE FOR FURTHER DETAILS
WWW.MILSLTD.COM

PART NO.	DESCRIPTION
S83-1550	A) PLANT NAPPY SMALL - 500 X 685MM
S83-1544	A) PLANT NAPPY MEDIUM - 1000 X 685MM
S83-1551	A) PLANT NAPPY LARGE - 2000 X 1370MM

PART NO.	DESCRIPTION
S83-1555	B) PLANT NAPPY LINER SMALL - 500 X 685MM
S83-1556	B) PLANT NAPPY LINER MEDIUM - 1000 X 685MM
S83-1557	B) PLANT NAPPY LINER LARGE - 2000 X 1370MM

SENCI PETROL GENERATORS

Senci Petrol Generators have a tough and lightweight design making them portable and easy to move to and from site. These low cost and low noise generators feature:

- Low oil alert shuts down engine automatically when low oil is detected.
- Easy-to-start Senci single cylinder petrol engines
- Circuit breaker cuts off electricity system when overloaded.
- AVR stabilizes the output power.
- Super strong original-designed fuel tank.
- Full closed control panel dustproof and water resistance. Portable compact safe aggressive appearance with open rugged durable frame, way to operate.
- Perfect performance with stable running up to 12.5 hours @ 50% load for home or commercial use.

A **B** **C**

Model	A) P57-6573	B) P57-2926	C) P57-2992
Engine Size 6.5HP	6.5HP	6.5HP	7.5HP
Starting System	Recoil	Recoil	Electric
Displacement	196cc	196cc	223cc
Rated Power	2KW	2.5KW	3.3KW
Maximum Power	2.2KW	2.8KW	3.8KW
Socket Outlets	1 x115v 16A, 1 x 230v 16A	1 x115v 32A, 1 x 230v 16A	1 x115v 32A, 1 x 230v 16A
Fuel Capacity	15 Litres	15 Litres	15 Litres
Run Time	12.5H @ 50% Load	12.5H @ 50% Load	13.5H @ 50% Load
Noise Level	65dB @ 7M	65dB @ 7M	65dB @ 7M
Dimensions	475 x 475 x 595mm	625 x 490 x 510mm	625 x 490 x 510mm
Weights	42Kg	45Kg	50Kg

PART NO.	DESCRIPTION
P57-6573	A) SENCI SC2500-11 GENERATOR
P57-2926	B) SENCI SC3250W-11 GENERATOR
P57-2992	C) SENCI SC4000-11 GENERATOR

FORD Q SERIES PETROL GENERATORS

Quality portable generators carrying the Ford name and featuring:

- 25mm Tubular Frames.
- Very portable and supplied with wheel sets.
- Single cylinder 4-stroke OHV, air cooled engine.
- Automatic Voltage Regulator (AVR).
- Low oil sensor.
- Digital 3-in-1 meter (Voltage / Frequency / Time).
- Circuit breakers.

Available in 3 and 6.5KW Versions as follows:

A **B**

Model	A) P57-2917	B) P57-2920
Engine Size	7.0HP	15HP
Starting System	Recoil	Electric
Displacement	208cc	420cc
Rated Power	3KW	6.5KW
Maximum Power	2.8KW	6KW
Socket Outlets	2 x 115V 16A, 1 x230v 16A	2 x 115v 32A, 1 x 230v 32A
Fuel Capacity	15L	25L
Run Time	15H @50% Load	13.5H @50% Load
Noise Level	72dB @7m	72dB @7m
Dimensions	610 x 450 x 490mm	700 x 680 x 680mm
Weights	45Kg	86Kg

PART NO.	DESCRIPTION
P57-2917	A) FORD FG4650 Q SERIES PETROL GENERATOR
P57-2920	B) FORD FG9250E Q SERIES ELECTRIC START PETROL GENERATOR

C) LOW PROFILE DRIP TRAY 25 LITRES

Low profile drip tray 25 litre capacity made for the recovery of oil and fluids.

Nett Weight: 2.08kg
Dimensions: 1100 x 550 x 50mm

D) DRIP TRAY

Standard drip tray 28 litre capacity made for the recovery of oil and fluids.

Nett Weight: 2.08kg
Dimensions: 590 x 590cm x 70cm

C **D**

PART NO.	DESCRIPTION
S83-2752	C) LOW PROFILE DRIP TRAY 25 LITRES
S83-2753	D) DRIP TRAY 59 X 59 X 7CM 28 LITRES

FOR MORE COMPRESSORS
SEE PAGES 148-150

Mills EST. 1911

A) KAESER M17 PORTABLE COMPRESSOR

Versatile, reliable and easy to transport: This small compressor takes up minimal loading space and, with it's high-quality motor and extremely impact-resistant PE enclosure, it's ready for anything.

The 15-bar version is the ideal choice for trenchless laying of glass fibre cables or for leakage tests.

An external compressed air aftercooler can also be optionally connected to ensure a dependable supply of cool, condensate-free air at all times.

- Flow Rate: 1.0 m3/min or 35cfm
- Operating Pressure: 15 bar or 215 PSI
- Petrol Engine: Honda GX630
- Engine Rated Power: 15.5 kW
- Fuel Tank Capacity: 20 Litres
- Operational Weight: 204 KG

Please see the website specification sheet for further details

B) KAESER AFTERCOOLER FOR M17 COMPRESSOR

Aftercooler with additional microfilter for use with Kaeser M17 Compressor providing cool, compressed air.

12-V electrical connection for voltage supply to the after-cooler fan.

Support frames are equipped with fixed connections for compressed air, fan power supply and condensate return.

PART NO.	DESCRIPTION
101-30011	A) KAESER M17 PORTABLE COMPRESSOR
101-30002	B) KAESER AFTERCOOLER FOR M17

LASTMILE VRK ARMADILLO FIBRE BLOWING COMPRESSOR

The LastMile VRK20 is a portable compressor designed for cable blowing. With safety and efficiency in mind, it is designed to meet the requirements for cable blowing installations.

Features:

- Built in aftercooler
- Automatic optimum air flow delivery - the unit will automatically adjust the air flow to optimum volume, this reduces stress on the engine and improves fuel efficiency
- Max operating pressure 15bar / 218psi
- Working Pressure 13Bar / 188psi
- Free air delivery 1000L/min / 35cfm
- Minimum working pressure 5.5bar / 80psi
- Drive system engine-air end, belt drive XP2 over dimensioned
- Compressor cooling system Air/Oil

- Oil cooling capacity 5 litres / 1.33 gallons
- Air outlet temperature 20C + Ambient temperature
- Hose Diameter 3/4"
- Outlet connector Claw
- Noise level EECno 2000/14 <98 LWA
- Battery 12Vcc 300A-30Ah (EN)
- Fuel tank capacity 15L / 4 gallons
- Weight 240K

Please see our website specification sheet for further details: www.millsltd.com

PART NO.	DESCRIPTION
S00-3791	LASTMILE VRK ARMADILLO FIBRE BLOWING COMPRESSOR

LASTMILE MDVN82KH PORTABLE COMPRESSOR

The LastMile MDVN82KH is our largest towable compressor, designed for the largest fibre blowing and overblow applications.

Technical Data:

Operating pressure:
7 bar 102 psi : 10 bar 145 psi : 14 bar 203 psi

Free air delivery:
8000 l/min 282 cfm : 6400 l/min 226 cfm : 5000 l/min 177cfm

Minimum working pressure:
5,5 bar - 80 psi

Oil cooling capacity:
16 lt - 3.52 UK gal

Air outlet temperature:
40°C - 105°F
+ Ambient temperature

Outlet valves:
2 x 3/4"+ 1 x 1"

Noise level EECno 2000/14 :
< 98 LWA

Battery capacity :
12V cc - 950A-132Ah (EN)

Fuel tank capacity:
92 lt - 20.24 UK gal

Consumes:
9,3 lt/h - 2.05 UK gal/h
(9,9 working hours)

Engine make:
KOHLER 4 strokes
- Inline - Direct Injection

Displacement:
2482 cc (4 cyl)
Turbo Intercooler

Weight without brakes: 1386 kg
Weight with brakes: 1540 kg

Please see our website specification sheet for further details: www.millsltd.com

FOR MORE COMPRESSORS AND HOSES SEE PAGE 148

PART NO.	DESCRIPTION
S00-1802	LASTMILE MDVN82KH PORTABLE COMPRESSOR

CIVILS & SITE EQUIPMENT

A) JCB BEAVER HYDRAULIC POWER PACK

A powerful and robust hydraulic powerpack yet still lightweight, this is the most popular powerpack in the JCB range and is ideal for use with the P57-3911 JCB-HM25 Breaker.

Specifications:
- Engine - Honda GX240
- Fuel - Petrol
- Power kW (hp) - 6 / 8
- EHTMA category - C
- Hydraulic flow l/min (gal/min) - 0-20 (0-5)
- Max pressure Bar (psi) - 138 (2000)
- Weight kg (lb) - 66 (145)
- Height x width x length mm (in) - 615 x 530 x 720 (24.2 x 20.8 x 28.3)

PART NO.	DESCRIPTION
P57-3996	JCB BEAVER HYDRAULIC POWER PACK

B) JCB HM25 BREAKER

This popular and powerful high output breaker is perfect for use with the P57-3996 JCB Beaver Hydraulic Power Pack.

High reliability and long service life – only two moving parts and constant lubrication by hydraulic oil. The Vibro damped handle provides one of the lowest vibration levels of any equivalent.

- Weight kg (lb) - 26 (57)
- Tool / chisel size hex mm (in) - 32 (1¼)
- Hydraulic flow l/min (gal/min) - 18-22 (4-5)
- Pressure range Bar (psi) - 90-110 (1305-1595)
- Blow frequency blows/min - 1500
- Vibration (BS8622-5) m/s² - 4
- Sound power level dB Lwa - 108

PART NO.	DESCRIPTION
P57-3911	JCB HM25 BREAKER

A) ALTRAD BELLE BHB23 MEDIUM / HEAVY WEIGHT HYDRAULIC BREAKER

All-purpose medium weight road breaker for a wide range of applications with vibration dampened handles and supplied with tail hoses. Designed for use with HPX01S Power Pack. (P57-4000). This machine is not supplied with tools.

- 160 Bar maximum pressure.
- 20 litre per minute flow rate
- 1600 blows per minute.
- Breaking force 65 Joules
- Vibration 11.97 m/sec2
- Steel size - 25mm x 108mm
- Weight 23kg.
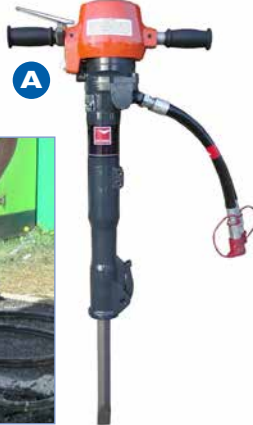
B) ALTRAD BELLE BHB25XS LOW VIBRATION HYDRAULIC BREAKER

Sturdy and reliable breaker featuring ultra dampened handles and designed for working together with the Altrad Belle Hydraulic Power Pack. This machine is not supplied with tools.

- Model BHB 25X (BHB25XS)
- Max Pressure (bar) 160
- Hydraulic Flowrate (l/min) 20
- Blows per Minute 1600
- 3-Axis Vibration (m/sec2) **6.5
- Breaking Force (J) 55
- Steel Size (mm) 32 x 160
- Weight (kg) 25
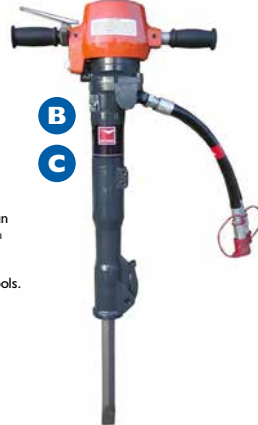
C) ALTRAD BELLE BHB27 HEAVY WEIGHT HYDRAULIC BREAKER

Heavy weight breaker for the most demanding applications with vibration dampened handles and supplied with tail hoses. Designed for use with HPX01S Power Pack. (P57-4000). This machine is not supplied with tools.

- 160 Bar pressure
- 30 litre per minute flow rate
- 1300 blows per minute
- Breaking force 85 Joules
- Vibration 11.8 m/sec2
- Steel size - 32mm x 160mm
- Weight 27kg

PART NO.	DESCRIPTION
P57-3840	A) ALTRAD BELLE BHB23 MEDIUM / HEAVY WEIGHT HYDRAULIC BREAKER
P09-3900	BELLE MOIL POINT BREAKER STEEL 380MM - 25MM HEX SHANK
P09-3901	BELLE BREAKER CHISEL 25 X 455MM - 25MM HEX SHANK
P09-3902	BELLE ASPHALT CUTTER BREAKER STEEL 125 X 380MM - 25MM HEX SHANK
P09-3903	BELLE STEM BREAKER STEEL 200MM - 25MM HEX SHANK
P09-3904	BELLE RAMMER PAD 5 INCH / 125MM FOR 25MM HEX SHANK STEM
P57-3999	B) ALTRAD BELLE BHB25XS LOW VIBRATION HYDRAULIC BREAKER
P57-3841	C) ALTRAD BELLE BHB27 HEAVY WEIGHT HYDRAULIC BREAKER
P09-3963	MOIL POINT BREAKER STEEL 380MM - 32MM HEX SHANK
P09-3950	BREAKER CHISEL 25MM - 32MM X 455MM SHANK
P09-3968	LARGE BROAD CHISEL BREAKER STEEL 75 X 455MM - 32MM HEX SHANK
P09-3948	ASPHALT CUTTER BREAKER STEEL 125 X 380MM - 32MM HEX SHANK
P09-3969	BOSCH SDS MAX TOOTHED CHISEL - 32MM X 300MM
P09-3995	STEM BREAKER STEEL 230MM - 32MM HEX SHANK
P09-3971	RAMMER PAD 7 INCH / 180MM FOR 32MM HEX SHANK STEM

A) ALTRAD BELLE BULLDOG HPX01S HYDRAULIC POWER PACK

Portable hydraulic unit which is 12% more compact but with the same market leading performance, making it small enough to be transported in estate cars and small vans.

Specifications:
- Engine Model - Honda GX270 Petrol
- Engine Power -9.0 / 6.7 hp/kW
- Hose Length 6.75 metres
- Pressure 140 bar
- Flow 20 litres per minute
- Oil Tank Capacity 5.6 Litres
- Fuel Tank Capacity 6.0 litres
- Width 515mm x Height 620 x Length 705mm
- Weight 59.5kg

B) BELLE HPP21 MAJOR 30/140 - HONDA GX390 PETROL POWER PACK

A portable and efficient on site power source, offering excellent power to weight ratio.

Hydraulic power packs are 3 times more efficient than typical pneumatic systems and come with integrated Power On-Demand (POD) system.

Specifications:
- Engine Power (Hp) - (kW) 11.8 - 8.7
- Hose Length 6.75 metres
- Pressure 140 bar
- Flow 30 l/min
- Oil Tank Capacity 6.2 litres
- Fuel Tank Capacity 6.5 litres
- Dimensions W x L x H 555 x 740 x 620mm
- Weight 72kg

PART NO.	DESCRIPTION
P57-4000	A) ALTRAD BELLE BULLDOG HPX01S HYDRAULIC POWER PACK
P57-4009	B) BELLE HPP21 MAJOR 30/140 - HONDA GX390 PETROL POWER PACK

A) ALTRAD BELLE RTX 60R TRENCH RAMMER

Designed for reinstating asphalt and compacting hardcore and soil.

Specifications:
- Engine Power 3.6Hp - 2.7kW
- Blows per minute: 450-660
- Impact Force: 12.5kN
- Amplitude: 52mm
- Frequency 11Hz
- Weight 60kg
- Dimensions: 975 x 705 x 345mm

B) P57-4004 Detachable wheel kit for Altrad Belle trench rammers.
For use with models RX50, RTX60, RTX66, RTX68, RTX75, RTX80D.

C) P57-4005 Micro-Trenching Foot
(w) 800mm x (l) 384mm x (h) 260mm

D) P57-4006 Micro-Trenching Foot
(w) 800mm x (l) 384mm x (h) 160mm

E) P57-4007 Micro-Trenching Foot
(w) 100mm x (l) 335mm x (h) 325mm

A range of 3 dedicated micro-trenching extension foot for Altrad Belle RTX rammers.

The Belle micro-trenching system has been designed to provide a faster, less disruptive, more cost effective and more environmentally friendly means of creating shallow, narrow trenches.

PART NO.	DESCRIPTION
P57-3998	A) ALTRAD BELLE RTX 60R TRENCH RAMMER
P57-4004	B) DETACHABLE WHEEL KIT FOR ALTRAD BELLE TRENCH RAMMERS.
P57-4005	C) MICRO-TRENCHING FOOT (W) 800MM X (L) 384MM X (H) 260MM
P57-4006	D) MICRO-TRENCHING FOOT (W) 800MM X (L) 384MM X (H) 160MM
P57-4007	E) MICRO-TRENCHING FOOT (W) 100MM X (L) 335MM X (H) 325MM

HYUNDAI PETROL COMPACTOR WITH WHEEL KITS & PAVING PADS

Introducing the range of Hyundai compactor/wacker plates, available in 3 popular sizes for all application from highway maintenance to driveways, patios, decking, block paving and more.

Wheel Kit and Paving Pad included.

All Hyundai compactor plates are covered by a Hyundai 3 year platinum warranty.

Full specification shown in table below.

Specifications	A) HYCP5030 (P57-4320)	B) HYCP6570 (P57-4321)	C) HYCP9070 (P57-4319)
Gross Weight (kg)	53	63	86
Warranty	3 Year	4 Year	5 Year
Engine Type	Hyundai 4-stroke	Hyundai 4-stroke	Hyundai 4-stroke
Displacement (cc)	87	163	196
Starting Method	Recoil Pull	Recoil Pull	Recoil Pull
Fuel Type	Unleaded Petrol	Unleaded Petrol	Unleaded Petrol
Noise Rating (dBA)	86	91	91
Plate Size LxW (mm)	495 x 320	530 x 370	540 x 420
Centrifugal Force (N)	8200	11000	13000
Exciter Speed (VPM)	5900	5500	5500
Compaction Depth (mm)	150	250	300
Travel Speed (m/min)	25	25	15
Exciter Oil Capacity (ml)	60	80	100
Gross Weight (kg)	53	63	86
Dimensions L x W x H (mm)	850 x 660 x 1150	1060 x 278 x 522	940 x 270 x 510
Vibration value m/s2	17.5	10.8	15

PART NO.	DESCRIPTION
P57-4320	A) HYUNDAI HYCP5030 87CC PETROL COMPACTOR WITH WHEEL KIT & PAVING PAD
P57-4321	B) HYUNDAI HYCP6570 163CC PETROL PLATE COMPACTOR WITH WHEEL KIT & PAVING PAD
P57-4319	C) HYUNDAI 196CC PETROL PLATE COMPACTOR WITH WHEEL KIT & PAVING PAD

ALTRAD BELLE COMPACTORS

A) Altrad Belle PCLX320 3.0hp Honda Petrol Compactor

Medium weight professional compaction plate with low hand arm vibration featuring a comfort grip handle and fully enclosed belt guard for extra protection.

- Engine Power 3.0 hp / 2.2 Kw
- Plate Size 320mm x 417mm (W x L)
- Static Pressure 460Kg/m²
- Centrifugal Force 13 kN
- Forward Speed 21.2 meters per minute
- Weight 61.5Kg

B) Altrad Belle PCLX 13/33 4.0Hp Petrol Compactor with Water Spray System

A compact professional multi-purpose forward compaction plate with a high compaction force, fast travel speeds and low Hand Arm Vibration.

Supplied with water spray kit.

Specifications:
- Engine Honda GX120 Petrol
- Nett Power 4.0Hp/3.0kW
- Plate Size 330 x 574mm (W x L)
- Static Pressure 567kg/m²
- Centrifugal Force 13kN
- Travel Speed 25m/min
- Weight without water spray kit 68kg

C) Block Paving Pad for Belle Compactor

Specialised pad designed for use with the PCLX320 Belle Compactor (P57-3845). Used on block paving to provide a professional finish.

D) Altrad Belle Wheel Kit for PCLX Compactors

Detachable Wheel Kit designed for use with Altrad Belle PCLX Compactors. (P57-3845 and P57-4001).

PART NO.	DESCRIPTION
P57-3845	A) ALTRAD BELLE PCLX320 3.0HP HONDA PETROL COMPACTOR
P57-4001	B) ALTRAD BELLE PCLX 13/33 4.0HP PETROL COMPACTOR WITH WATER SPRAY SYSTEM
P57-3846	C) BLOCK PAVING PAD FOR BELLE COMPACTOR
P57-4003	D) ALTRAD BELLE WHEEL KIT FOR PCLX COMPACTORS

MORE ALTRAD BELLE MODELS AVAILABLE
CONTACT SALES FOR DETAILS

A) STIHL TS410
CONCRETE CUT OFF SAW 300MM

Compact and robust 2 stroke 3.2-kW cut-off machine (300mm/12" cutting wheel).It has extremely low vibration levels (3.9m/s) whilst also providing a high performance engine with stratified charge system. For use with 300mm cutting wheels giving up to 100mm depth of cut. Can be hand held or used with the FW 20 cart ((P57-3847). Weight 9.4kg

B) STIHL TS420
CONCRETE CUT-OFF SAW 350MM

Compact and robust 2 stroke 3.2-kW cut-off machine (350mm/14" cutting wheel).It has extremely low vibration levels (3.9m/s) whilst also providing a high performance engine with stratified charge system. For use with 350mm cutting wheels giving up to 125mm depth of cut. Can be hand held or used with the FW 20 cart (P57-3847). Weight 9.75kg.

C) STIHL FW20 TRANSPORT CART
FOR TS410 & TS420 CUT-OFF SAWS

The Stihl FW20 Trolley is designed for use with TS410 (P57-3843) and TS420 (P57-3844) saws transforming a hand held saw into a cutting machine. The cart features depth adjustment which allows the saw to be easily mounted on the cart and the cut height can be adjusted by the upper handle. Water bottle not included.

D) HYUNDAI HYDC5830 PETROL
DISC CUTTER / CONCRETE SAW
WITH DIAMOND DISC 300MM

The HYDC5830 is a low cost petrol-powered 2-stroke disc cutter 2.4-kW cut-off machine (300mm/14" cutting wheel).. For use with 350mm cutting wheels giving up to 105mm depth of cut. Hand Arm Vibration Level Max 9822 m/s2, K= 1.5m/s2. Weight 13.2kg.

E) TWO STROKE FUEL MIXING BOTTLE

1 Litre polyethylene mixing bottle for the preparation of accurate fuel/oil mixtures. Clear graduation marks for ratios 50:1, 40:1, 30:1, 25:1 and 20:1.

F) DUST SUPPRESSION
WATER BOTTLE 14 LITRE

The robust Dust Suppression Water Bottle is used for suppressing dust created during drilling, cutting and grinding applications.

G) STIHL PRESSURISED
WATER CONTAINER FOR STIHL
CUT OFF SAWS - 10 LITRES

The Stihl 10 litre capacity pressurised water container provides a mobile water supply and ensures clean, wet cutting without dust build-up.

No need for an external water connection. It has a recessed grip and stable base with extended operating time on each full tank, increased working pressure and optimised water flow.

H) STIHL 2-STROKE OIL
100ML - BOX OF 24

Due to its excellent lubrication, the Stihl HP 2 Stroke Oil 100ml is one of the most widely used engine oils in Europe for mixture lubricated engines.

PART NO.	DESCRIPTION
P57-3843	A) STIHL TS410 CONCRETE CUT OFF SAW 300MM
P57-3844	B) STIHL TS420 CONCRETE CUT-OFF SAW 350MM
P57-3847	C) STIHL FW20 TRANSPORT CART FOR TS410 & TS420
P57-5050	D) HYUNDAI HYDC5830 PETROL DISC CUTTER / CONCRETE SAW WITH DIAMOND DISC 300MM
S26-0295	E) TWO STROKE FUEL MIXING BOTTLE
S00-2738	F) DUST SUPPRESSION WATER BOTTLE 14 LITRE
P57-3842	G) STIHL PRESSURISED WATER CONTAINER FOR STIHL CUT OFF SAWS - 10 LITRES
R99-1130	H) STIHL 2-STROKE OIL 100ML - BOX OF 24

FOR DIAMOND DISCS
SEE PAGE 290-291

ALTRAD BELLE DUO 350X TWIN BLADE FLOOR SAW

A robust, high standard twin blade 350mm floor saw especially designed for 100mm width micro-trenching. Designed with the industry's lowest Hand Arm Vibration levels. The saw features a 25 litre detachable water tank, easily fits into the back of a small van and is ideal for micro trenching.

Specifications:
- Engine 13HP Petrol (Honda) GX390
- Blade Speed (rpm) 3600
- Max. Cutting Depth (mm) 120
- Cutting Width (mm) 100
- Blade Diameter (mm) 350
- Water Tank Capacity (ltr) 25
- Width (mm) 618
- Height (mm) 1019
- Length (mm) 870
- Weight (kg) 120
- 3 Axis Vibration (m/sec2) 3.67
- Usage Time (mins) 223
- Noise Level (dB(A)) 114

FOR DIAMOND DISCS
SEE PAGE 290-291

PART NO.	DESCRIPTION
P57-4002	ALTRAD BELLE DUO 350X TWIN BLADE FLOOR SAW

HYUNDAI PETROL TRENCHER

Hyundai ground trenching machines are the ideal solution for general and micro trenching.

They are powered by 4-stroke Hyundai engine, and easy to maneouver thanks to large adjustable handlebars and heavy duty pneumatic tyres.

Available in two sizes
Full specification shown in the table

Specifications	A) HYTR70 (P57-5052)	B) HYTR150 (P57-5053)
Start Method	Electric Key or Recoil	Electric Key or Recoil
Trench Capacity (m/hr)	60	60
Trench Depth (mm)	150 / 250 / 350 / 450	150 / 300 /450 /600
Trench Width (mm)	100	100
Chain Length (mm)	1600	2000
Chain Type	21 Tungsten Carbide Alloy Teeth	27 Tungsten Carbide Alloy Teeth
Clutch Type	Centrifugal	Centrifugal
Engine Size (cc)	210	420
Rated Power (hp)	7	14
Rated Speed (RPM)	3600	3600
Fuel Capacity (L)	3.6	6.5
Engine Oil Capacity (ml)	600	1100
Gross Weight (kg)	165	195
Net Weight (kg)	145	170
Wheel Diameter (mm)	380	380
Sound Level (db)	108	116
Fully Assembled Dimensions (H x W x L) (mm)	900 x 700 x 1760	1100 x 720 x 2100
Package Dimensions (H x W x L) (mm)	850 x 760 x 1040	960 x 780 x 1120

Key Features:
- Hyundai heavy duty 4-stroke engine
- Two large pneumatic wheels for easy manoeuvrability
- Wheel brake and engine throttle controlled directly from the handle bars (adjustable in 3 steps)
- 100mm Trench Width
- 450mm Trench Depth HYTR70 (P57-5052)
- 600mm Trench Depth HYTR150 (P57-5053)
- 3 Cutting Heights
- Easy to Transsport
- Tungsten Carbide Alloy Teeth - 10 times stronger than steel
- Easy lift handles
- Covered by Hyundai UK 3 year platinum warranty
- Full UK service and parts operation to maintain your trencher for years to come

PART NO.	DESCRIPTION
P57-5052	A) HYUNDAI HYTR70 210CC / 7HP PETROL TRENCHER
P57-5053	B) HYUNDAI HYTR150 420CC / 14HP PETROL TRENCHER

HYUNDAI 52CC PETROL EARTH AUGER, BORER AND DRILL

The earth auger / borer is also known as a post hole digger, post hole borer or fence post auger It is powered by a 52cc 2-stroke petrol engine with easy recoil start. Supplied with 3 auger drill attachments (100mm, 150mm & 200mm diameter) to drill multiple size holes up to 730mm in depth and supplied with 2 Stroke Mixing Bottle, User Manual and Toolkit. Covered by 3 year HYUNDAI warranty.

PART NO.	DESCRIPTION
P57-4325	HYUNDAI 52CC PETROL EARTH AUGER, BORER AND DRILL

POST HOLE AUGER 3HP PETROL

The earth auger / borer is also known as a post hole digger, post hole borer or fence post auger

It is powered by a 52cc 2-stroke petrol engine with easy recoil start delivering 3HP. Supplied with 3 auger drill attachments (100mm, 150mm & 200mm diameter). In addition the kit also includes 580mm extension pole to drill multiple size holes up to 1500mm, as well as safety gloves, glasses ear protectors, fuel mixing bottle with fuel funnel and tool kit.

PART NO.	DESCRIPTION
P57-3997	POST HOLE AUGER 3HP PETROL

HYUNDAI HYC6200X 62CC 20" PETROL CHAINSAW, 2-STROKE EASY-START

62cc 2 stroke petrol chain saw with 500mm (20") Blade weighing 6.2kg and featuring anti vibration handles. The chain saw is supplied with storage bag and bar cover.

3 year Hyundai warranty.

PART NO.	DESCRIPTION
P57-2916	HYUNDAI HYC6200X 62CC 20" PETROL CHAINSAW, 2-STROKE EASY-START
P57-1320	REPLACEMENT CHAIN FOR HYUNDAI HYC6200X 62CC 20" PETROL CHAINSAW

HYUNDAI HYPS5200X 52CC LONG REACH PETROL POLE SAW / PRUNER / CHAINSAW

Pole pruner, powered by a 2-stroke 52cc Hyundai engine with a reach of up to 2.7m when fully extended, allowing you to prune safely with your feet firmly on the ground

Cutting Length (mm) 260

Net Weight (kg) 5.6

Dimensions (H x W x L) (mm) 310 x 320 x 2830

Contents: Pole Saw, Tool Kit, Double Support Harness, Extension Bar, 2-Stroke Mixing Bottle, User Manual

PART NO.	DESCRIPTION
P57-5051	HYUNDAI HYPS5200X 52CC LONG REACH PETROL POLE SAW / PRUNER / CHAINSAW
P57-1321	REPLACEMENT CHAIN FOR P57-5051 AND P57-2918

HYUNDAI 52CC PETROL MULTI TOOL

Combining a hedge trimmer, pole chainsaw, brush cutter, grass trimmer and 800mm extension shaft, this five-in-one multi-tool has everything needed to make short work of even the toughest tasks.

Key Features:

Five-in-one garden tool: Includes a hedge trimmer, pole saw, brushcutter, grass trimmer and long reach extension shaft.

Hyundai 52cc 2-stroke petrol engine: Powerful performance regardless of the attachment used.

Soft-pull recoil system: Easy and reliable start each and every time.

PART NO.	DESCRIPTION
P57-2918	HYUNDAI 52CC PETROL MULTI TOOL
P57-1321	REPLACEMENT CHAIN FOR HYUNDAI HYMT5200X MULTI TOOL AND HYPS5200X POLE SAW

HYUNDAI PORTABLE ELECTRIC CEMENT / CONCRETE MIXER 160 LITRE 650W 230V

Rugged heavy duty electric cement mixer from Hyundai. Large 160 Litre Drum Capacity with a 100 Litre Mix Capacity and powered by a 240v 650w Electric Motor with Standard UK 3 Pin 13amp Plug and 3m Cable.

Sound Level (db): 93

Gross Weight (kg): 67

Net Weight (kg): 66

Fully Assembled Dimensions (H x W x L) (mm): 1200 x 710 x 1370

PART NO.	DESCRIPTION
P57-5055	HYUNDAI PORTABLE ELECTRIC CEMENT / CONCRETE MIXER 160 LITRE 650W 230V

Mills EST. 1919

A) HYUNDAI 3100PSI PETROL PRESSURE WASHER

TThis portable 4 stroke petrol powered, cold water, gravity-fed HYW3100P2 delivers 3100psi and a flow rate of 10L/min for quick, easy and effective cleaning of driveways, patios, vehicles, windows and other demanding jobs. Supplied with 4 Quick Release Nozzles, Turbo Nozzle, Trigger Gun,Lance,10m Hose with Q/R fittings, Spark Plug Spanner and User Manual.

3 year Hyundai warranty.

B) HYUNDAI 2800PSI PETROL PRESSURE WASHER

This portable 4 stroke petrol powered, cold water, gravity-fed HYW3000P2 delivers 2800psi and a flow rate of 8.75L/min for quick, easy and effective cleaning of driveways, patios, vehicles etc.

Supplied with 4 Quick Release Nozzles, Trigger Gun, Jet Wash Lance, 7.5m (25') High-pressure hose & User Manual.

3 year Hyundai warranty.

C) HYUNDAI 2170PSI HOT PRESSURE WASHER

Hot Pressure Washer ideal for cleaning oily or greasy surfaces, engines, automotive parts, lorries or even tractors, you'll need hot water.

Powered by a 2800w motor, the unit produces 2170 PSI (150bar) and is able to produce water temperatures of up to 140°c.

The power washer has built-in detergent tank and supplied with 10m high-pressure hose and additional 5m power cord.

Supplied with a range of accessories including a high-pressure trigger gun, 10m high-pressure hose, 700mm high-pressure lance and high-pressure professional nozzle.

1 year Hyundai warranty with UK-based parts and service.

PART NO.	DESCRIPTION
P57-4322	A) HYUNDAI 3100PSI PETROL PRESSURE WASHER
P57-4323	B) HYUNDAI 2800PSI PETROL PRESSURE WASHER
P57-4324	C) HYUNDAI 2170PSI HOT PRESSURE WASHER

HEATERS

A) The 70,000 BTU/20kW industrial space heater from Hyundai
70,000 BTU/hr (20kW) output. 496m3 approximate heating area Suitable for approx 10hrs of operation. Easy-to-read fuel and pressure gauges. Runs on diesel (red or white) or kerosene fuel. Perfect choice for industrial environments, including agriculture and automotive. UK-based after sales and parts.
2 year limited warranty.

B) The 125,000 BTU/37kW industrial space heater from Hyundai
125,000 BTU/hr (37kW) output. 900m3 approximate heating area. Suitable for approx 10.5hrs of operation. Easy-to-read fuel, pressure and temperature gauges. Runs on diesel (red or white) or kerosene fuel. Perfect choice for industrial environments, including agriculture and automotive. UK-based after sales and parts.
2 year limited warranty.

C) The 215,000BTU/hr HY215DKH industrial space heater from Hyundai
215,000 BTU/hr (63kW) output. 1500m3 approximate heating area. Suitable for approx 8.5hrs of operation. Easy-to-read fuel, pressure and temperature gauges. Runs on diesel (red or white) or kerosene fuel. Perfect choice for industrial environments, including agriculture and automotive. UK-based after sales and parts.
2 year limited warranty.

D) The Sealey LP69CCOMBO 2-in-1 Cordless/Corded Space Warmer®
The Sealey LP69CCOMBO is a 2-in-1 Cordless/Corded Space Warmer® 30,000-68,000Btu/hr (9-20kW) Propane Heater Kit. Suitable to heat an area of up to 350m³. Run time of up to 10hrs on a 6Ah battery. Supplied with direct gas head assembly including a fully approved propane gas regulator and hose. Mains lead/transformer, mains charger and 20v 4.0Ah battery included.

E) Sealey 20v 4Ah SV20 Series Lithium-ion Battery.
4Ah Lithium-ion battery pack compatible with the Sealey Space Warmer Propane Heater 240v / Cordless 20v

F) Sealey 20v 6Ah SV20 Series Lithium-ion Battery.
6Ah Lithium-ion battery pack compatible with the Sealey Space Warmer Propane Heater 240v / Cordless 20v

PART NO.	DESCRIPTION
P57-4326	A) THE 70,000 BTU/20KW INDUSTRIAL SPACE HEATER FROM HYUNDAI
P57-4327	B) THE 125,000 BTU / 37KW INDUSTRIAL SPACE HEATER FROM HYUNDAI
P57-4328	C) THE 215,000BTU/HR HY215DKH INDUSTRIAL SPACE HEATER FROM HYUNDAI
P57-7835	D) THE SEALEY LP69CCOMBO 2-IN-1 CORDLESS/CORDED SPACE WARMER®
P57-7837	E) SEALEY 20V 4AH SV20 SERIES LITHIUM-ION BATTERY
P57-7839	F) SEALEY 20V 6AH SV20 SERIES LITHIUM-ION BATTERY

PAIR OF FOLDING ALUMINIUM LOADING RAMPS - CAPACITY 340KG

Lightweight, compact yet incredibly robust loading ramps. Ideal for loading machinery (up to 340kg/750lbs) onto your trailer, van, lorry or pickup truck, on-and-off trailers and other transport vehicles.

Each ramp is 225cm when fully extended and approximately 112.5cm when folded and has a track width of 28cm and an approximate weight of 7kg.

PART NO.	DESCRIPTION
S00-1530	PAIR OF FOLDING ALUMINIUM LOADING RAMPS - CAPACITY 340KG

A) GALAXY-PRO-6K 6000 LUMEN RECHARGEABLE FLOODLIGHT

The Galaxy Pro 6K (M99-5078) produces 6000 lumens of light with a 60m beam distance. The professional grade lighting has a highly compact and portable body weighing 1.52kg and measuring at 310 x 350 x 285mm.

- 6000 Lumens light output
- 60m beam
- 4 light levels
- 2.5-60 hrs runtime
- Lightweight only 1.5kg
- IP54 Waterproof
- Li-ion battery (97.68Wh)
- Battery status indication
- Supplied with AC Mains Charger

B) STAINLESS STEEL TRIPOD FOR GALAXY PRO-6K FLOODLIGHT 2M

Two metre stainless steel tripod compatible with the M99-5078 Galaxy Pro-6K.

C) SET OF 3 MAGNETIC FEET FOR THE GALAXY PRO-6K LIGHT

Set of 3 magnetic feet allows for the M99-5078 Galaxy Pro-6K lights to be secured to a variety of metallic surfaces.
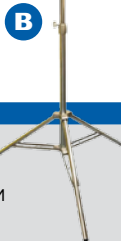
PART NO.	DESCRIPTION
M99-5078	A) GALAXY-PRO-6K 6000 LUMEN RECHARGEABLE FLOODLIGHT
M99-5079	B) STAINLESS STEEL TRIPOD FOR GALAXY PRO-6K FLOODLIGHT 2M
M99-5080	C) SET OF 3 MAGNETIC FEET FOR THE GALAXY PRO-6K LIGHT

A) LT600-LED-I MOBILE LIGHTING TOWER 110V

The Evopower LT600-LED-I is an LED lighting tower suitable for a wide range of applications including large outdoor events, construction and work sites, workshop, farming, logistics, rural and hard to reach areas and temporary public lighting. Ideal for petrol generators up to 700 x 550 x 560mm or 700 x 570 x 500mm.

B) LT600-LED-D MOBILE LIGHTING TOWER 110V - WITH AUXILIARY POWER FUNCTION

The Evopower LT600-LED-D is an LED lighting tower suitable for a wide range of applications including large outdoor events, sports fields, construction and work sites, workshop, farming, logistics, rural and hard to reach areas and temporary public lighting. In addition to the LT600-LED-I, the LT600-LED-D provides a flexible lighting solution by allowing users to easily plug into any power source including auxiliary power, portable generators or directly into the mains power supply. Ideal for larger diesel generators up to 900 x 570 x 900 mm.

Key Features:

- Low fuel consumption less than 1 litre an hour
- Additional 6 bare lighting towers can be daisy-chained and run from one generator using the incorporated socket (LT600-LED-D (P57-4330) only)
- Multi-directional adjustable and tiltable LED floodlights.
- 4x150W LED Lights 110-230v (Please specify sockets required).
- High 12,500 lumen output light coverage from each lamp.
- Quick and easily erected by a single operator.
- 5 metre mast on steerable trolley with twin stabilizers.
- 30,000hrs lamp durability.
- Full UK spares backup to maintain your machine for years to come.
- Covered by Evopower 2 year warranty (lighting tower only)

PART NO.	DESCRIPTION
P57-4329	A) LT600-LED-I MOBILE LIGHTING TOWER 110V
P57-4330	B) LT600-LED-D MOBILE LIGHTING TOWER 110V (WITH AUXILIARY POWER FUNCTION)

SOLARIS PRO RECHARGEABLE LIGHTING SYSTEM

The NightSearcher Solaris Pro all in one (light, battery pack and 1.85m extension pole) in a lightweight (7-8.5kg) and compact design.

It is available in 2 battery options:

A) Solaris Pro (18Ah Li-ion) (M99-5072) providing a 24 hour runtime.
B) Solaris Pro-X (36Ah Li-ion) (M99-5073) providing a 48 hour runtime.

Key Features:
- 16,000 lumens with 500m beam
- 2 Light beams - Wide and Narrow
- 180° Swivel and tilting light head
- Runtime up to 24 or 48 hours options
- Mast extends up to 1.85m
- IP65 Rated
- Dimensions: 517x155x200mm
- Supplied with AC charger and shoulder strap

PART NO.	DESCRIPTION
M99-5072	SOLARIS PRO RECHARGEABLE LIGHTING SYSTEM 18AH LI-ION
M99-5073	SOLARIS PRO X RECHARGEABLE LIGHTING SYSTEM 36AH LI-ION

PROSTAR 10,000 LUMEN SEARCHLIGHT / FLOODLIGHTS

The ProStar has been very thoughtfully designed for emergency situations and is ideal for both search and rescue and scenes of crime operations. With its dual optics and reflective system it is perfect for long distance searching and for wide area floodlighting and now with its newly improved power it delivers an amazing 10,000 lumens of light. The Prostar Lite has 18 hours of operation, where as The Prostar has a larger battery providing 24 hours of operational use.

Features:
- Light power up to 10,000 lumens
- Long distance spot beam
- Wide angled flood beam
- Li-ion maintenance free battery
- 9 Light modes with up to 10 hours operation
- Swivel head for multiple head angle position
- Battery status and charging indicator
- Wall mountable charging base
- Rubberised handle for comfortable non slip grip
- Rubberised light front and base to give added strength and stability
- One handed operation
- Comfortable shoulder strap
- 6 Hours charging time
- Robust housing
- Anti slip rubberised base with built in stability

PART NO.	DESCRIPTION
M99-5076	A) PROSTAR 10,000 LUMEN SEARCHLIGHT / FLOODLIGHT 14.8V 10.2AH
M99-5077	B) PROSTAR LITE 10,000 LUMEN SEARCHLIGHT / FLOODLIGHT 14.8V 7.2AH

WORKSTAR CONNECT LED WORKLIGHT 18-21V

The WorkStar Connect is a high powered 2,500 lumen LED work light with up to 16hrs runtime, and giving a beam distance of up to 25mThe torch is supplied with four power tool battery adapters which accepts Black & Decker, Bosch, Makita, Stanley, Dewalt, Porter and Milwaukee 14-21V batteries, allowing you to easily utilise the battery pack you already own.

Tripod mountable, 4 × powerful magnetic feet & hanging hook and features a built-in power bank facility to charge your phone/tablet.

PART NO.	DESCRIPTION
M99-5081	WORKSTAR CONNECT LED WORKLIGHT 18-21V

LED FOLDING FLOOR LIGHT 110V

This LED folding floor light has two powerful SMD LEDs strips with a 30 watt output provide 2600 lumens of light, making it ideal for all interior and many worksite jobs as it produces a cool bright 6400K colour range light without shadowing over a wide area.

The light has two built-in power outlets for in-series linking and the integral suspension hook make this lights truly versatile when in use.

The leg stand can be folded flat for transportation or space-saving storage.

IP54 rated.
Formerly P40-5012.

PART NO.	DESCRIPTION
P40-3710	LED FOLDING FLOOR LIGHT 110V

FLOOD LAMPS, INSPECTION LAMPS & ACCESSORIES

A) Floor Site Light 20W LED 1800 Lm 110v.

B) SMD LED Tripod Site Light 20W 1800 Lm 110v.

C) SMD LED Twin Tripod Site Light 40W 3600 Lm.

D-E) Heavy duty 15 watt 360 Degree SMD LED Gripper Lamp supplied with a 3 metre cable and plug.

F) 240v 16amp industrial socket.

G) 110v socket.

H) 110v plug.

I) 240v plug.

J) Splitter 3 way 16amp 240v.

K) Splitter 3 way 16amp 110v.

L) Spider Pod Power Splitter 110v.

M) 14m 110v Extension Lead 32amp.

N) 240v Extension Lead 14m 16amp.

O) Fly Lead 240v 16amp Plug to 3-Pin Socket.

P) 110v 32a Plug to 16a Socket Converter.

Q) 25m 16amp 110v reel.

PART NO.	DESCRIPTION
P40-3537	A) FLOOR SITE LIGHT 20W LED 1800 LM 110V
P40-3538	B) SMD LED TRIPOD SITE LIGHT 20W 1800 LM 110V
P40-3539	C) SMD LED TWIN TRIPOD SITE LIGHT 40W 3600 LM
M99-1066	D) 360 DEGREE LED GRIPPER LAMP 110V
M99-1065	D) 360 DEGREE LED GRIPPER LAMP 240V
P44-7822	F) 240V 16 AMP INDUSTRIAL SOCKET
P44-1505	G) 110V SOCKET
P44-1348	H) 110V PLUG
P44-1506	I) 240V PLUG
P44-2853	J) SPLITTER 3 WAY 16AMP 240V
P44-2854	K) SPLITTER 3 WAY 16AMP 110V
P44-2855	L) SPIDER POD POWER SPLITTER 110V
P14-2856	M) 14M 110V EXTENSION LEAD 32AMP
P14-2867	N) 240V EXTENSION LEAD 14M 16AMP
P14-3171	O) FLY LEAD 240V 16AMP PLUG TO 3-PIN SOCKET
P44-4462	P) 110V 32A PLUG TO 16A SOCKET CONVERTER
P85-7703	Q) 25M 16AMP 110V REEL

A-B) 2 OUTLET TRANSFORMERS

Manufactured in accordance with EN 61558-2-23 complete with 16amp sockets and 13amp plug, to British Standard 4343.

A) 1.5 KVA
B) 3.3 KVA
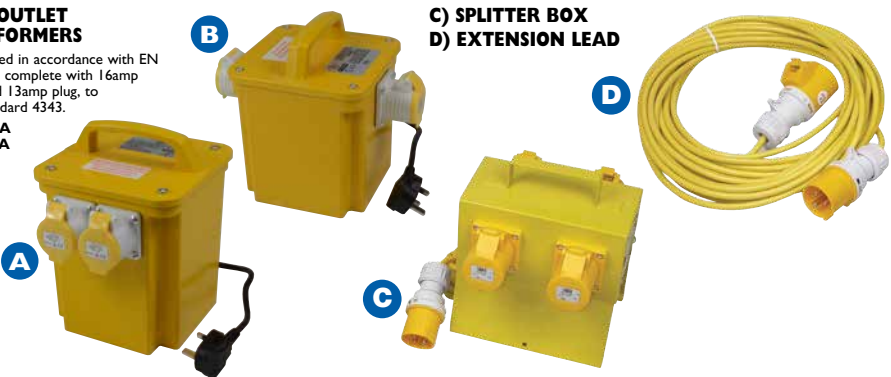
C) SPLITTER BOX
D) EXTENSION LEAD

PART NO.	DESCRIPTION
P44-1345	A) 1.5 KVA 2 OUTLET TRANSFORMER
P44-1347	B) 3.3 KVA 2 OUTLET TRANSFORMER

PART NO.	DESCRIPTION
P14-1000	C) 4 WAY SPLITTER BOX
P14-1001	D) 14M 110V EXTENSION LEAD

240V ELECTRICAL EXTENSIONS
Made to BS5733

A) 10m 13 amp 2 sockets 240V cassette reel.

B) Heavy Duty 240V 25m reel supplied with metal frame and handle.

C) Heavy Duty 240V 50m reel supplied with metal frame and handle.

D) Heavy Duty 240V 16 amp 25 metre reel supplied with fitted RCD adaptor with 30mA trip current. Features 2 sockets.

E) 2m 4 way "Anti-Surge" extension socket.

F) Plug in RCD adaptor with single outlet.

G) In-line IP65 RCD with maximum load 3120W, 240VAC and typical 40 millisecond trip speed at 30mA.

H) PRO-XT Case Cable Reel 240V 13A 4-Socket 15m

I) PRO-XT Cassette Cable Reel 240V 10m 13A 4 Socket

J) 2 Way Extension Socket 240v - 5m

K) 2m 4-Way Fused Extension Socket

L) 5 Way Surge Protected Extension Socket with 2 x 5V USB 2m

M) 4 Way, Extension Socket 2m, Individually Switched

N) 10 Way Surge Protected Power Pod

PART NO.	DESCRIPTION
P85-7700	A) 10M 13AMP 240V REEL
P85-7701	B) 25M 13AMP 240V REEL
P85-7702	C) 50M 13AMP 240V REEL
P85-7820	D) 25M 13AMP 240V REEL WITH RCD
P89-1363	E) RCD ADAPTOR (PLUG IN)
P85-4255	F) 2M 4 WAY ANTI SURGE EXT. SOCKET
P85-3176	G) IN-LINE IP65 RCD

PART NO.	DESCRIPTION
T70-5750	H) PRO-XT CASE CABLE REEL 240V 13A 4-SOCKET 15M
P85-7705	I) PRO-XT CASSETTE CABLE REEL 240V 10M 13A 4 SOCKET
P40-5000	J) 2 WAY EXTENSION SOCKET 240V - 5M
P14-1006	K) 2M 4-WAY FUSED EXTENSION SOCKET
P85-0228	L) 5 WAY SURGE PROTECTED EXTENSION SOCKET WITH 2 X 5V USB 2M
P85-7821	M) 4 WAY, EXTENSION SOCKET 2M, INDIVIDUALLY SWITCHED
P85-8326	N) 10 WAY SURGE PROTECTED POWER POD

MILLS PORTABLE VENTILATOR 110V WITH 7.5M HOSE

The Mills Portable Ventilator is designed to provide a constant supply of clean fresh air into small confined spaces, such as manholes. It can even be used to extract non-flammable fumes too! This 200mm blower has a 165w 110v motor delivering an airflow rate of 1500 metres^3 per hour (25 metres^3 per minute) The unit is supplied complete with 7.5m of 200mm (8") diameter flexible ducting.

Dimensions:
282 x 328 x 248mm
Weight approx. 8.5kgs

PART NO.	DESCRIPTION
S83-9334	MILLS PORTABLE VENTILATOR

INVERTER PURE SINE WAVE 200W

Ideal for use with TVs, preventing screen interference associated with non-isolated inverters. Pure sine allows any appliance that would normally run from domestic AC to run from this inverter.

Dual outlet with one UK 3 pin socket and one European style socket. Supplied with 1 metre cable fitted with a cigarette lighter plug and Euro to UK plug adaptor.

Wattage: 200w
Input: 12V DC 50Hz
Output: 220-240V
Dimensions: 210 x 190 x 85mm.
Weight: 1.4kg.
Formerly P99-4995

PART NO.	DESCRIPTION
P89-9845	INVERTER PURE SINE WAVE 200W

A) MAGNETIC BASE WORK LIGHT WITH 5M CORD 12V

12 volt magnetic work light supplied with 5 metre coilly lead and cigar lighter plug.

B) DORMAN TRAFIBEACON MAGNETIC ROOF BEACON 12V

A 12 volt rotating, magnetic roof beacon, with a quartz halogen lamp, supplied with a 3m coilly lead and cigar lighter plug.

This beacon is suitable for highway use up to 70mph.

PART NO.	DESCRIPTION
S00-1177	A) MAGNETIC BASE WORK LIGHT WITH 5M CORD 12V
S00-0695	B) DORMAN TRAFIBEACON MAGNETIC ROOF BEACON 12V

AMBER SMD LED MINI LIGHT BAR 50W WITH MAGNETIC BASE - 12 / 24V

Extremely bright 50W amber SMD LED high intensity mini light bar with clear lenses and fitted with magnets on the base.

Features:
- 10 Modules fitted with eight LEDs allowing a 360° light.
- Fitted with a 3m cable and cigarette lighter power plug.
- Plug includes two switches, on/off and a momentary switch giving you the option of 10 different flash patterns.
- Built-in memory recalls last pattern selected.
- Can also be bolted.
- ECE R65 and R10 Approved for highway use.
- CE Approved and E-Marked.
- IP66 Rated.

PART NO.	DESCRIPTION
S99-4495	AMBER SMD LED MINI LIGHT BAR 50W WITH MAGNETIC BASE - 12 / 24V

A) CARGO LASH RUBBER HANDLED 2 TON

Durable weather-resistant straps with steel J-hooks, rubber-coated ratchet handle and release catch. Conforms to BS EN 12195.

B) MILLS RATCHET TIE DOWN STRAP 4M X 27MM

Heavy duty, weather-resistant polyester webbing with stitched reinforcement.

Automatic locking ratchet action secures items quickly & easily.

PART NO.	DESCRIPTION
S26-3685	A) CARGO LASH RUBBER HANDLED 2 TON
S00-6972	B) MILLS RATCHET TIE DOWN STRAP 4M X 27MM

CIVILS & SITE EQUIPMENT

Mills
EST. 1919

CIVILS & SITE EQUIPMENT

A) VAN DRIVER'S DAILY VEHICLE CHECK & DEFECT REPORT BOOK

Van Drivers Daily Checks & Reporting of Defects Book - 50 numbered pages in duplicate.

The Road Traffic Act 1988, requires that vans are maintained to a roadworthy standard including ensuring that drivers carry out daily walk around checks of vehicles.

The check should cover the external condition, ensuring in particular that the lights, tyres, wheel fixings, bodywork, trailer coupling, load and ancillary equipment are serviceable.

Drivers must be able to report any defects that could prevent the safe operation of the vehicles.

Drivers may be prosecuted for the existence of defects found on the vehicles they drive if they are considered partly or wholly responsible for the existence of them, however the operator's responsibility, under section 6 of the DFT Guide to Maintaining Roadworthiness, is to have a system in place to quality monitor these checks.

B) HIGHWAY MAINTENANCE STICKER - 1000 X 350MM

Material: Self adhesive vinyl.
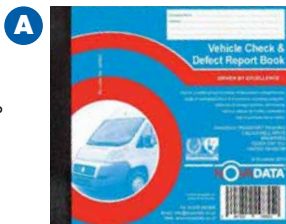
PART NO.	DESCRIPTION
S99-3485	VAN DRIVER'S DAILY VEHICLE CHECK & DEFECT REPORT BOOK
S09-6001	HIGHWAY MAINTENANCE STICKER - 1000 X 350MM

TYRE GAUGES

A) Tyre Pressure Gauge with Flexible Hose
Hand-held dual reading gauge with flexible 250mm long hose. Swivel angled tyre connection and air release valve.

B) Tyre Depth Gauge Digital Readout 0-25mm
Tyre Depth Gauge with a large, clear LCD display, making it easy to read. It allows zero setting at any position and has metric/imperial interchange. Gauge resolution: 0.01mm (0.0005in)
Measuring range: 0-25.4mm (0-1in).

C) Tread Depth Gauge Manual
Tread Depth Gauge to read measurement of tyre tread depth from 1 to 24mm in one millimetre graduations on sliding barrel.

PART NO.	DESCRIPTION
S83-2754	A) TYRE PRESSURE GAUGE WITH FLEXIBLE HOSE
S83-2755	B) TYRE DEPTH GAUGE DIGITAL READOUT 0-25MM
K70-4104	C) TREAD DEPTH GAUGE MANUAL

SCREENWASH AND DE-ICERS

A) Screenwash Sachet 70ml (Pkt 10)
Removes dirt, grease, traffic film and insect deposits easily from your car windscreen. In summer and normal winter conditions use one sachet to each 1/2 litre of water. Supplied in a pack of 10 x 70ml sachets.

B) Screenwash 5 Litres - Box of 4
Removes dirt, grease, traffic film and insect deposits easily from your car windscreen
Dilution ratios: Summer - 1 part screenwash to 6 parts water. Winter - 1 part screenwash to 1 part water.
Pack quantity: 4 x 5 Litre (20 litres total).

C) De-icer Spray 750ml
Instantly dissolves ice from glass surfaces, supplied in trigger operated spray bottle.
Its concentrated sub-zero formula inhibits re-freezing. Size: 750ml.

D) Ice Scraper
Tough, dual edged, flexible ice scraper with integrated handle with curved edges for an ergonomic grip.

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
R99-4460	A) SCREENWASH SACHET 70ML (PKT 10)	S00-0428	C) DE-ICER SPRAY 750ML
R99-2664	B) SCREENWASH 5 LITRES - BOX OF 4	S83-3247	D) ICE SCRAPER

SNOW SOCKS

The Universal Multigrip Snow Socks are a snow chain alternative that is easy to fit and lightweight, perfect for use in sporadic and sudden snowfall in the UK.

These snow socks give the grip needed on snow and icy roads to keep you moving.

Comes in pack of 2 Snow Socks (required on drive wheels only).

• Less than 2 minutes to fit
• Machine washable
• Can be used time and time again
• Easily stored, lightweight snow socks
• Suitable for vehicles with a limited wheel arch clearance
• Compatible with ABS and ESP devices

The size of the tyres on your vehicle will determine which size of Universal Multigrip you need, see our wesbite for details: www.millsltd.com

PART NO.	DESCRIPTION
S26-3688	MULTIGRIP SNOW SOCKS SMALL
S26-3689	MULTIGRIP SNOW SOCKS MEDIUM
S26-3690	MULTIGRIP SNOW SOCKS LARGE
S26-3691	MULTIGRIP SNOW SOCKS XL
S26-3692	MULTIGRIP SNOW SOCKS XXL

TOWING BOARDS

4 feet trailer board with cable and 7 pin plug for use with 12v systems. Multi Function LED Lights Stop / Tail / Indication / Number Plate Illumination complete with triangular reflectors. Available in 3 sizes.
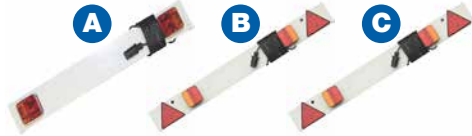
PART NO.	DESCRIPTION
S83-0050	A) TOWING BOARD 900MM WITH 4M CABLE 12V
S83-0051	B) TOWING BOARD 1200MM WITH 5M CABLE 12V
S83-0052	C) TOWING BOARD 1200MM WITH 6M CABLE 12 / 24V

TOW BOARD EXTENSION LEAD - 6M

Six metre extension lead for use with towboards.

PART NO.	DESCRIPTION
S83-0053	TOW BOARD EXTENSION LEAD - 6M

A) TOWING PLUG N-TYPE PLASTIC 12V

Plastic, 12V, 7-pin, N-type, towing plug.

B) TOWING SOCKET N-TYPE PLASTIC 12V

Plastic, 12V, 7-pin, N-type, towing socket.

PART NO.	DESCRIPTION
S99-1200	TOWING PLUG N-TYPE PLASTIC 12V
S99-1201	TOWING SOCKET N-TYPE PLASTIC 12V

REAR REFLECTIVE RED TRIANGLE - PAIR

Pair of E-Approved, red, reflex reflector triangles. Size: 160 x 7 x 140mm.

PART NO.	DESCRIPTION
S99-1204	REAR REFLECTIVE RED TRIANGLE - PAIR

SMD LED NUMBERPLATE LAMP - 12 / 24V

5 x SMD LED numberplate illumination lamp is waterproof and E-Marked approved. Dual voltage 12/24V for car and commercial. Supplied with twin cables.
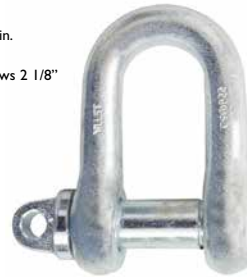
PART NO.	DESCRIPTION
S99-1203	SMD LED NUMBERPLATE LAMP - 12 / 24V

D SHACKLE - 5 TON

5 Ton dee shackle with screw pin.
- Pin Diameter 1 1/4"
- Internal width between the jaws 2 1/8"
- Internal Length 4 1/8"

Supplied fully certified.

PART NO.	DESCRIPTION
S83-3170	D SHACKLE - 5 TON

A) TOW-BALL & PIN COUPLING 50MM

50mm Forged tow-ball with pin coupling assembly. Suitable for towing trailers of up to 3.5 Tonne. Pre-drilled mounting points at 90mm centres.

- 25mm Diameter pin.
- Regulation 55 approved.
- Ball Size: 50mm
- Nett Weight: 3.99kg
- D Value: 20.2Kn
- S Value: 350kg
- Mounting Bolt Fixing Holes: M16 (x2)
- Fixing Centres: 90mm
- Approval Number: E11 55R 0111231
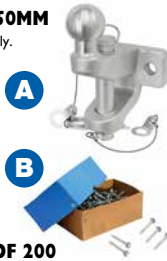
B) TRENCH COVER PINS - BOX OF 200

PART NO.	DESCRIPTION
S99-1202	TOW-BALL & PIN COUPLING 50MM
S83-0055	TRENCH COVER PINS - BOX OF 200

BREAKAWAY CABLE - 3MM X 1M

Applies the handbrake on braked trailers in the event of accidental unhitching.

Supplied with heavy-duty split ring and securing clip.

PVC Coated for extra durability.

PART NO.	DESCRIPTION
S99-1206	BREAKAWAY CABLE - 3MM X 1M

CIVILS & SITE EQUIPMENT

Mills

TRAILER TOWING EYE LOCK

Simple yet effective, the high quality round towing eye lock fits securely through the towing eye of trailers to prevent unauthorised towing.

85mm diameter lock body.
40mm pin length.

PART NO.	DESCRIPTION
S00-0041	TRAILER TOWING EYE LOCK

WARNING TRIANGLE ECE R27

High quality, compact, folding warning triangle supplied in tough composite case.
Suitable for use following accidents/breakdowns.
Complies with ECE R27 and is 'E' marked.
Size: 410 x 440mm.

PART NO.	DESCRIPTION
S99-1205	WARNING TRIANGLE ECE R27

JOCKEY WHEELS WITH CLAMP

Heavy-duty jockey wheels with solid rubber tyre.
Zinc plated for added corrosion resistance.

A) Jockey Wheel with 35mm Clamp - 150mm Solid Wheel
Minimum/Maximum Height: 515/725mm.
Wheel Size: Ø150 x 24mm.
Capacity: 80kg. Nett Weight: 3.07kg.

B) Jockey Wheel with 50mm Clamp - 200mm Solid Wheel
Minimum/Maximum Height: 580/810mm.
Wheel Size: Ø200 x 45mm.
Capacity: 150kg. Nett Weight: 5.44kg.

C) Jockey Wheel with 48mm Clamp - 260mm Pneumatic Wheel
Zinc plated for added corrosion resistance.
Minimum/Maximum Height: 630/860mm.
Wheel Size: Ø260 x 80mm.
Capacity: 150kg. Nett Weight: 5.12kg.

PART NO.	DESCRIPTION
S99-1208	A) JOCKEY WHEEL WITH 35MM CLAMP - 150MM SOLID WHEEL
S99-1207	B) JOCKEY WHEEL WITH 50MM CLAMP - 200MM SOLID WHEEL
S99-1209	C) JOCKEY WHEEL WITH 48MM CLAMP - 260MM PNEUMATIC WHEEL

HEAVY DUTY BUNGEES 600MM - PACK OF 2

Pack of 2 heavy duty bungees. Steel hooks with plastic coating to prevent scratching and an 8mm diameter, made from high-quality rubber increase durability to ensures a long service life.
Maximum stretch 70% with a lashing capacity of 25kg.

Features:
- Steel hooks with plastic coating to prevent scratching
- High quality rubber to prolong service life and increase durability
- Maximum stretch of 70%
- Lashing capacity 25kg
- Manufactured to CG/TUV specifications

PART NO.	DESCRIPTION
S00-7840	HEAVY DUTY BUNGEES 600MM - PACK OF 2

HEAVY DUTY BUNGEES 800MM - PACK OF 2

Pair of powerful elastic straps manufactured from virgin rubber with extra strength hooks for holding awkward loads.
Lashing capacity 40kg.

PART NO.	DESCRIPTION
S00-7841	HEAVY DUTY BUNGEES 800MM - PACK OF 2

BUNGEE CORD - 8MM X 10 METRES

Two component construction with an extremely tough woven polypropylene / polyethylene outer sheath covering a strong natural rubber latex core.

The cord is light-weight, strong, wear-resistant and long lasting with good UV resistance.

Capable of stretching under load to about twice its un-tensioned length.

Perfect for securing groundsheets and tarpaulins or for securing cargo on trailers, pick-ups and roof-racks etc.
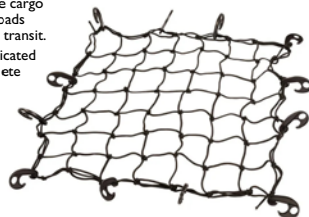
Diameter: 8mm. Length: 10m.

PART NO.	DESCRIPTION
S00-7843	BUNGEE CORD - 8MM X 10 METRES

BUNGEE CARGO NET WITH 12 HOOKS

A practical elastic bungee cargo net for keeping vehicle loads safe and secure whilst in transit.

The 75cm by 75cm elasticated rubber net comes complete with 12 hooks.

PART NO.	DESCRIPTION
S00-7842	BUNGEE CARGO NET WITH 12 HOOKS

PADLOCKS

A) Padlocks. With hardened steel shackles and supplied with 2 keys. 38mm (1.5") and 50mm(2") available.

C) Padlock Long Shackle. 2" (50mm) with 2 1/2" (60mm) long shackle. Supplied with a pair of keys.

D) Brass Combination Padlock 38mm. Combination Padlpock with a solid brass body with a 4-pin brass tumbler mechanism.

E) Squire Combination Padlock 4-Wheel 40mm Extra Long Shackle 63mm. The Squire CP Combination Padlock delivers heavy-duty security and there are no keys to lose.

PART NO.	DESCRIPTION
S99-1110	A) PADLOCK 38MM - 1.5 INCH
S99-1111	A) PADLOCK 50MM - 2.0 INCH
S99-1472	B) PADLOCK LONG SHACKLE
S99-1114	C) BRASS COMBINATION PADLOCK 38MM
S99-1115	D) SQUIRE COMBINATION PADLOCK 4-WHEEL 40MM EXTRA LONG SHACKLE 63MM

PADLOCK & 90CM CHAIN

The set features a robust hardened steel, laminated padlock, with a 4-pin brass tumbler mechanism and a Thermoplastic cover for improved weather protection. The 90cm hardened steel chain has a 6mm diameter for better saw resistance and is supplied fitted with a nylon sleeve to protect painted surfaces from scratches. Supplied with 2 keys.

PART NO.	DESCRIPTION
S00-7889	PADLOCK & 90CM CHAIN

BRASS SHUTTER PADLOCK 80MM

Shutter Padlocks can be used in a variety of situations and are ideal for security shutters, gates and bollards. The padlock has a brass body with stainless steel armoured casing. Its rotating shackle is made from hardened steel. It has a 6-pin security cylinder. This padlock is key retaining, meaning the key can only be removed when in the locked position. The shackle springs open when unlocked. Supplied complete with 3 keys.

Specifications:
Body dimensions:
Height: 66mm.
Width: 80mm.
Depth: 22mm.
Shackle dimensions:
Diameter: 12mm.
Clearance: 35 x 22mm.

PART NO.	DESCRIPTION
S99-1112	BRASS SHUTTER PADLOCK 80MM

LADDER LOCK 1.8M

The Master Lock Keyed Cable Lock is 1.8m long and features 8mm diameter twisted steel for maximum strength and flexibility.

The protective vinyl coating protects against scratches. The integrated pin tumbler keyed locking mechanism provides superior pick resistance.

Cable Length: 1.8M
Outside Diameter of Cable/chain: 8mm

PART NO.	DESCRIPTION
S00-2536	LADDER LOCK 1.8M

A) GALVANISED CHAIN 3MM - 30 METRES

This welded chain is galvanised for increased durability and protection against the elements. The chains is load tested, but not certified and should never be used for any overhead lifting, load binding or towing applications.

Maximum load figures quoted are for guidance only.

Link Diameter: 3mm.
Chain Length: 30m.
Max. Load: 80kg.

B) STAINLESS STEEL QUICK REPAIR LINK

5mm stainless steel quick repair link with a polished finish and secure locking mechanism.

Opening: 6.5mm
Minimum Breaking Load: 7.9 KN
Material: A4 / AISI 316 Grade Stainless Steel
Length: 48mm

PART NO.	DESCRIPTION
S99-1473	A) GALVANISED CHAIN 3MM - 30 METRES
S00-7579	B) STAINLESS STEEL QUICK REPAIR LINK

A) BRASS INTERLOCKING STENCILS

Set of interlocking brass stencils.
The interlocking facility ensures uniformity and neatness when marking out. Useful for marking property including road signs, barriers etc. Sets of letters or figures available in 25mm or 50mm sizes.

B) PERMANENT PROPERTY MARKING SPRAY MATT WHITE 400ML

Fast drying spray paint for metal, wood, plastic with a professional quality finish.

PART NO.	DESCRIPTION
S83-0382	A) SET OF BRASS INTERLOCKING STENCILS - FIGURES 25MM / 1"
S83-0383	A) SET OF BRASS INTERLOCKING STENCILS - LETTERS 25MM / 1"
S83-0384	A) SET OF BRASS INTERLOCKING STENCILS - LETTERS 50MM / 2"
S83-0385	A) SET OF BRASS INTERLOCKING STENCILS - FIGURES 50MM / 2"
S83-0015	B) PERMANENT PROPERTY MARKING SPRAY MATT WHITE 400ML

CIVILS & SITE EQUIPMENT

CORDLESS KETTLE 1 LITRE 240V

One litre cordless 900W electric kettle supplied in white.

Features:
- Capacity: 1 Litre Power: 900 Watt
- Removable & Washable Water Filter
- Auto-Switch-off when water boils
- Transparent water level gauge
- Detachable jug kettle
- UK 3 pin plug
- Approx height: 18cm

PART NO.	DESCRIPTION
S26-4645	CORDLESS KETTLE 1 LITRE 240V

A) MILLS INSULATED TUMBLER 350 ML

Mills 350ml double walled polypropylene thermal mug with lid.

B) MILLS WATER BOTTLE 500ML

The Mills 500ml Sports Water Bottle is the perfect accessory to keep you hydrated during your work day or exercise, whether you are running, cycling or just training in the gym.

PART NO.	DESCRIPTION
R00-3853	A) MILLS INSULATED TUMBLER 350 ML
S99-9000	B) MILLS WATER BOTTLE 500ML

DOUBLE HOT PLATE 240V

- Steel base unit
- Neon indicators
- Variable heat settings (separate ring controls)
- 4x rubber feet
- Hotplate diameter: 155mm
- Thermal fuse protection

PART NO.	DESCRIPTION
R99-7401	DOUBLE HOT PLATE 240V

ELECTRIC FAN HEATER 2KW 240V

Lightweight and a compact design with a rotary switch and adjustable thermostat, can be used with the cool setting or the 1000W/2000W heat settings.

PART NO.	DESCRIPTION
R99-7402	ELECTRIC FAN HEATER 2KW 240V

A) VAN VAULT 2

The original high security steel storage box for commercial vehicles.

Van Vault 2 is the first secure storage product designed for vehicles to have been independently tested and certified by Secured by Design, the UK's Police approved standard.

If you can't afford to be without your tools, you can't afford to be without the Van Vault.

- Coating and finishing type: Fully Phosphated and Powder-Coated.
- Construction material: 3mm Sheet Steel
- Fitting type: Four reinforced Fixing Points with M10 Bolts and Shear Nuts
- Locking system type: 70mm Disc Lock
- Keys: Supplied with 3 x unique 3 Van Vault dimple keys
- External size: 935 (L) x 590 (D) x 494 (H)
- Internal size: 790 (L) x 430 (D) x 478 (H)
- Weight: 48kg

B) VAN VAULT OUTBACK

For open backed vehicles to safeguard tools against theft and weathering.

The Outback is certified by the UK's official police initiative - Secured by Design.

- Coating and finishing type: Fully Phosphated and Powder-Coated.
- Construction material: 3mm Sheet Steel
- Fitting type: Four reinforced Fixing Points with M10 Bolts and Nuts
- Locking system type: 70mm Disc Locks
- Keys: Supplied with 3 x unique 3 Van Vault dimple keys
- External size: 1335 (L) x 558 (D) x 490 (H)
- Internal size: 1244 (L) x 430 (D) x 484 (H)
- Weight: 60kg

C) VAN VAULT 4 SITE

Heavy duty steel store with fully phosphated anti-corrosion protection for weather protection. Fitted with shelf brackets, drop-down handles and gas strut support arms. Enlarged fork skids allow easy loading access for pallet truck and fork lifts. Internal Dimensions (L x D x H): 1150 x 580 x 595mm. Opening size (L x D x H): 1031 x 580 x 420mm. Weight 60kg.

- Fully phosphated anti-corrosion protection.
- Gas strut support arms
- Solid lock 'lid stay' system
- Flush comfort grip handles
- Low visibility black body
- External Dimension: (L) 1190mm x (D) 645mm x (H) 690mm
- Internal Dimensions: (L)1150 x (D) 580 x (H) 595mm
- Weight 60Kg

CONTENTS ARE NOT INCLUDED

PART NO.	DESCRIPTION
B99-3503	A) VAN VAULT 2
B99-7863	B) VAN VAULT OUTBACK
B99-3504	C) VAN VAULT 4 SITE

A) ARMORGARD OXBOX OX1 TOOL VAULT

The Oxbox™ OX1 is a medium duty tool vault designed for use where budget is a consideration. Manufactured from 1.5 and 2.0mm steel, the Oxbox™ offers dependable, cost-effective security for your tools and equipment.

Features:
- Protected with a 5-lever deadlock.
- Unique internal and external anti-jemmy features to help deter any break-ins.
- Hydraulic gas arms to assist with the lid opening
- Colour -Black Grey: RAL 7021
- Finished coating powder coated steel
- Material thickness: 1.5mm & 2.5mm
- Locking mechanism Highly secure, 5-lever deadlock
- Quantity of keys supplied 2 key
- Internal dimensions 830x425x435mm
- External dimensions (including protrusions) 885x470x450mm
- Weight 32kg

CONTENTS ARE NOT INCLUDED

PART NO.	DESCRIPTION
B99-3500	A) ARMORGARD OXBOX OX1 TOOL VAULT

B) ARMORGARD TB1 TUFFBANK TOOL VAULT

TuffBank is the larger brother to Oxbox using 2 and 3mm construction and adhering to rigorous test standards required by the police.Hardened steel plates and anti-jemmy features make it virtually impossible to break into.

Features:
- Design accreditation: TuffBanks adhere to rigorous test standards required by the police
- Robust, 5-lever deadlocks with extra reinforced protection
- Unique internal anti-jemmy system prevents the lid being forced open
- Hydraulic gas arms assist with the lid opening
- Powder coated for maximum durability
- Colour: Black Grey: RAL 7021
- Finished coating Powder coated steel
- Material thickness: 2mm & 3mm
- Quantity of keys supplied: 2 keys
- Internal dimensions: 920x470x450mm
- External dimensions (including protrusions): 950x505x460mm
- Weight: 50kg

CONTENTS ARE NOT INCLUDED

PART NO.	DESCRIPTION
B99-3553	B) ARMORGARD TB1 TUFFBANK TOOL VAULT

A) ARMORGARD TRB3 TRANSBANK HAZARDOUS LIQUID STORAGE

The Armorgard TransBank™ is purpose-built to ensure that you comply with all legal requirements for storing and transporting hazardous goods, while protecting them from theft, fire and leakage.

Features:
- Suitable for chemicals or flammables
- Built to specification for 1/2 hour fire resistance
- Material thickness: 1.2mm
- Over-centre catch with padlock facility
- Finished in bright red with relevant hazard warning signs fitted as standard
- Robust steel plate construction for maximum protection
- Integral fixing points allow vaults to be secured to the floor or vehicle
- Quantity of keys supplied: 3 keys
- Fully welded and tested sump base to prevent leakage
- Colour: Pillar Box Red: RAL 3020
- Dimensions external: 705x485x540mm
- Dimensions internal: 620x415x510mm
- Weight: 24kg

B) ARMORGARD FB2 FLAMBANK HAZARDOUS GOODS SITE BOX

Built to high specifications, the Armorgard FlamBank™ is specially designed to comply with all relevant COSHH regulations, ensuring that your hazardous substances are securely protected 24/7.

Features:
- Keyed alike 5-lever deadlocks both sides, with heavy-duty chubb-style keys, welded security ID numbers and 6mm reinforcement around the lock
- Built to specification for 1/2 hour fire resistant
- Strong gas struts and safety catch fitted as standard- conform to industry standards
- Suitable for chemicals or flammables
- Finished in bright red RAL 3020 with relevant hazard warning signs fitted as standard
- Fully welded and tested sump base to prevent leakage
- Material thickness: 2mm and 3mm
- Quantity of keys supplied: 3 keys
- Internal dimensions: 1185x600x575mm
- External dimensions (including protrusions): 1275x665x660mm
- Weight: 82kg

C) ARMORGARD FSC2 FLAMSTOR CABINET

The Armorgard FlamStor™ is the perfect solution for storing larger quantities of chemicals or flammable substances.

Features:
- Fixed internal shelving on all sizes
- Relevant hazard warning signs fitted as standard
- Crane lifting eyes
- Built to specification for 1/2 hour fire resistant
- Fork lifting skids
- Fully welded and tested sump to prevent leakage
- Heavy-duty fitted door with two 5-lever deadlocks
- Finished in bright red RAL 3020 with relevant hazard warning signs fitted as standard
- Material Thickness: 1.5mm and 2mm
- Quantity of keys supplied: 3 keys
- Quantity of Shelves as standard: 2
- Internal dimensions: 790x540x1170mm
- External dimensions (including protrusions): 800x585x1250mm
- Weight (kg): 74

D) ARMORGARD GGC6 GORILLA GAS CAGE

The unique galvanised security cage specially designed for storing gas cylinders. Robustly constructed using 25mm box sections and 3mm wire mesh, the Gorilla Gas Cage™ features a unique modular bolt-together design using individual galvanized panels, making it quick and easy to erect and dismantle.

Features:
- Supplied complete with all fixings
- Relevant hazard warning signage attached
- Robust construction using 25mm box sections and 3mm wire mesh
- Padlock point to secure unit from theft
- Galvanized finish - resists all weather conditions for maximum durability
- Facility to fix to ground, for added security and stability
- Colour: Silver
- Safety signage: Gas storage sign
- Internal dimensions: 1150x1200x1800mm
- External dimensions (including protrusions): 1212x1266x1831mm
- Weight (kg): 87
- Internal dimensions: 1150x1200x1800mm
- External dimensions (including protrusions): 1212x1266x1831mm
- Weight (kg): 87

CONTENTS ARE NOT INCLUDED

PART NO.	DESCRIPTION
B99-3550	A) ARMORGARD TRB3 TRANSBANK HAZARDOUS LIQUID STORAGE
B99-3552	B) ARMORGARD FB2 FLAMBANK HAZARDOUS GOODS SITE BOX

PART NO.	DESCRIPTION
B99-3554	C) ARMORGARD FSC2 FLAMSTOR CABINET
B99-3551	D) ARMORGARD GGC6 GORILLA GAS CAGE

CIVILS & SITE EQUIPMENT

A) BOSCH GAS 18V-1 PROFESSIONAL CORDLESS VACUUM CLEANER (NO BATTERY)

Cleaning Performance Redefined! With new rotational airflow technology.

- Strong rotational airflows for high cleaning efficiency with minimal loss of suction power throughout usage!
- Powerful motor delivering a vacuum pressure of 6 kPa and long runtime of 7 minutes per Ah
- Quick release dust-emptying function and washable dust cap provide an easy-to-clean tool
- Supplied with: Floor nozzle, flexible extension tube, crevice nozzle and 2 x suction tubes
- Weight excl. battery 1.3kg
- Container volume 0.7 l
- Filter surface area 55cm²
- Max. airflow rate (turbine) 10 l/sec

A **B**

B) DUSTBUSTER CORDLESS HANDHELD VACUUM CLEANER BHHV320B

The 18V Lithium-ion Cordless Dustbuster® is perfect for larger heavier debris - simply select the high speed to have more power for a spotless clean.

C) NUMATIC NVB240 VACUUM CLEANER

Cordless vacuum cleaner with 36V lithium-Ion battery pack, providing excellent performance and total freedom of operation. Supplied with 9pc accessory kit.

Features:
- Capacity 9L
- Runtime – Lo 60 mins / Hi 40 mins
- Motor 250W
- Weight (Machine + Kit) 8.24kg
- Power 36V Lithium-Ion
- Recharge Time 3.5 hrs
- Suction 1200mm H2O
- Airflow 20L/sec
- Dimensions 360 x 370 x 415mm.

C

PART NO.	DESCRIPTION
P09-7403	A) BOSCH GAS 18V-1 PROFESSIONAL CORDLESS VACUUM CLEANER (NO BATTERY)
P09-2349	BOSCH 18V 2AH LI-ION BATTERY FOR P09-7403
P88-3693	B) DUSTBUSTER CORDLESS HANDHELD VACUUM CLEANER BHHV320B
P88-2069	C) NUMATIC NVB240 VACUUM CLEANER

BUDDY II WET & DRY VACUUM 12 LITRE 1200W 240V

The Kew Nilfisk Alto Buddy II 12 Litre Wet & Dry Vacuum is the most compact, lightweight yet powerful vacuum in the Buddy ll range of wet and dry vacuum cleaners. Its washable PET wet filter protects the turbine for a long life. Voltage 240v.

Specification:
Input Power: 1,200W
Capacity Wet/Dry: 12L
Air Flow: 3,600 L/min.
Vacuum: 200 mbar
Weight: 4.4kg

PART NO.	DESCRIPTION
P88-2043	BUDDY II WET & DRY VACUUM 12 LITRE 1200W 240V
P88-2067	BUDDY II REPLACEMENT DUST BAGS PACK OF 4
P88-2068	BUDDY II REPLACEMENT WASHABLE FILTER (SINGLE)
P88-2069	CORDLESS HENRY STYLE VACUUM CLEANER

NUMATIC HEAVY-DUTY VACUUM CLEANER

Powerful, professional cleaning technology for a high-efficiency, long-life motor. Ideal for everything from household cleaning to most industrial applications.

Features:
- Powerful 620W motor
- Large 9 litre capacity
- Robust, tough drum
- Long 10m power cable
- Easy cable replacement
- Easy, clean, safe emptying
- On-board tool storage and wand docking
- Professional and versatile accessory kit
- Dimensions: 340 x 365 x 360mm
- Weight: 6.0kg
- Cleaning Range: 26.4m

PART NO.	DESCRIPTION
P88-5000	NUMATIC HEAVY-DUTY VACUUM CLEANER (PSP180) 240V
P88-1300	NUMATIC SPARE BAGS FOR VACUUM CLEANER PK 10

NUMATIC COMMERCIAL VACUUM CLEANER (NRV240)

A professional and versatile workhorse packed full of tough and innovative features, this commercial version of Henry provides the perfect balance of power, performance and convenience.

Features:
- Powerful 620W moto
- Large 9 litre capacity
- Robust, tough drum
- Includes bumper for wall and door protection
- Extra long-reach 12.5m cable
- Trouble-free cable rewind system
- On-board tool storage and wand docking
- Professional and versatile accessory kit
- Dimensions: 360 x 370 x 415mm
- Weight: 9.0kg
- Cleaning Range: 31.8m

PART NO.	DESCRIPTION
P88-9771	NUMATIC COMMERCIAL VAC CLEANER 110V
P88-9770	NUMATIC COMMERCIAL VAC CLEANER 240V
P88-1300	NUMATIC SPARE BAGS FOR VAC CLEANER PK 10

NUMATIC WV370 WET AND DRY VACUUM 1000W

The Numatic WV370, by design, performs totally without compromise in either mode, wet or dry, with the full TwinFlo performance specification ensuring exceptional results.

A tool for every job, always on hand and packs neatly away, with professional AA12 accessory kit.

Specifications:
Capacity: Dry 15L, Wet 9L
Power Cord: 10m
Motor: 1000W
Weight: (Machine + Kit) 8.65kg
Power: 230V AC 50/60Hz
Cleaning Range: 26.8m
Suction: 2400mm H2O
Dimensions: 355 x 355 x 510mm

PART NO.	DESCRIPTION
P88-9800	NUMATIC WV370 WET AND DRY VACUUM 1000W 240V
P88-9801	NUMATIC WV370-2 WET AND DRY VACUUM 1000W 110V

NUMATIC TRADELINE INDUSTRIAL M-CLASS VACUUM CLEANER (TEM390A)

Designed and built for work and to work hard, TradeLine combines a specialist extractor vacuum and big clean-up machine for use in the workshop or on the worksite. TradeLine is built for the tough stuff.

Features:
- Powerful 620W motor
- Huge 18 litre capacity
- Robust metal head and tough drum
- Long 10m power cable
- M-Class compliant
- Engineered with HEPA H13 filter
- All-terrain ready large rear wheels
- Professional and versatile accessory kit
- Dimensions: 400 x 450 x 1010mm
- Weight: 14.3kg
- Cleaning Range: 28m

PART NO.	DESCRIPTION
P88-3578	NUMATIC TRADELINE INDUSTRIAL M-CLASS VACUUM CLEANER TEM390A 110V
P88-3579	NUMATIC TRADELINE INDUSTRIAL M-CLASS VACUUM CLEANER TEM390A 240V

NUMATIC COMMERCIAL WET AND DRY COMBI VAC (CV570)

The CombiVac provides wet and dry pick-up effortlessly and will be found at home in the dirtiest of places. Our unique high-efficiency dual washable filter system enables the user to switch from dry to wet pick-up without the hassle of changing filters or kits.

Features:
- Powerful 1000W 2-stage motor
- Large 13 litre capacity
- Heavy-duty, Structofoam construction
- Includes bumper for wall and door protection
- Convenient carry handle
- Long 10m power cable
- Easy, clean and safe emptying
- Professional and versatile accessory kit
- Dimensions: 415 x 415 x 645mm
- Weight: 16.3kg
- Cleaning Range: 26.8m

PART NO.	DESCRIPTION
P88-3580	NUMATIC COMMERCIAL WET & DRY COMBI VAC CV570 240V
P88-3581	NUMATIC COMMERCIAL WET & DRY COMBI VAC CV570 110V

BOSCH GAS 35 M AFC PROFESSIONAL WET AND DRY DUST EXTRACTOR

The corded GAS 35 M AFC Professional is Bosch's versatile M-class wet and dry dust extractor with automatic filter cleaning.

It features an automatic filter cleaning technology that guarantees sustained, powerful suction and enables a very fast work progress.

The dust extractor has an M-class dust extractor certification in accordance to EU standards, ensuring enhanced user protection.

PART NO.	DESCRIPTION
P09-3951	BOSCH GAS 35 M AFC PROFESSIONAL WET AND DRY DUST EXTRACTOR 110V
P09-3952	BOSCH GAS 35 M AFC PROFESSIONAL WET AND DRY DUST EXTRACTOR 240V

BOSCH GAS 18V-10 L PROFESSIONAL CORDLESS DUST EXTRACTOR 18V

The GAS 18V-10L Professional is Bosch's cordless 18 V L-class vacuum cleaner with full suction power. It features a rotational airflow technology that prevents the filters from clogging and provides persistent and uninterrupted suction power.

The vacuum's lightweight and compact design enables easy transportation and storage. Its bag-less design and numerous accessories (included) make it ideal for a variety of dry as well as wet applications.

It is compatible with the Bosch Click & Clean System as well as with all Bosch Professional 18 V batteries and chargers (Professional 18V System). Also compatible with AMPShare, the multi-brand battery alliance.

PART NO.	DESCRIPTION
P09-0510	BOSCH GAS 18V-10 L PROFESSIONAL CORDLESS DUST EXTRACTOR 18V

CIVILS & SITE EQUIPMENT

Mills
EST. 1919

BOSCH'GO' 3.6V CORDLESS SCREWDRIVER

Compact straight screwdriver set with 5 torque settings and a 25piece bit set all packaged with USB charger in a Bosch compact storage box.

PART NO.	DESCRIPTION
P09-2524	BOSCH'GO' 3.6V CORDLESS SCREWDRIVER

BOSCH GSB 12V-15 LI COMBI IMPACT DRILL

The package includes the drill, two x 2.0 Ah Li-ion batteries, quick charger, holster & is supplied in a soft storage case. At 189 mm it has the shortest design in its class and ideal for use in tight places

- Max. drilling diameter in wood: 19mm
- Max. drilling diameter in steel: 10mm
- Max. drilling diameter in masonry: 10mm

PART NO.	DESCRIPTION
P09-6870	GSB 12V-15 LI COMBI IMPACT DRILL

BOSCH GSB 12V-35 COMBI DRILL

The Bosch GSB 12V-35 Combi Drill offers the highest impact rate in the 12V category, enabling powerful impact drilling of up to Ø10 mm in masonry,wood drilling capacity 32mm with maximum soft torque 20nm.

PART NO.	DESCRIPTION
P09-3723	BOSCH GSB 12V-35 COMBI DRILL
P09-2521	BOSCH GSB 12V-35 PROFESSIONAL CORDLESS COMBI 2 X 3.0AH BATTERIES

BOSCH GSB 12V-15 COMBI DRILL & GDR 12V-105 IMPACT DRIVER TWIN KIT

The package includes an Impact Driver and Combi Drill Twin Kit in L-Boxx with 2 x 2.0Ah Batteries and Charger

A) GDR 12V-105 Impact Driver Professional impact driver delivers 100 newton-meters of torque turning power yet it weighs less than 1 kilogram.

B) GSB 12V-15 a very light and compact hammer drill with softgrip for comfort, joblight for visibility and an auto-lock 10mm chuck.

PART NO.	DESCRIPTION
P09-5534	BOSCH GSB 12V-15 COMBI DRILL & GDR 12V-105 IMPACT DRIVER TWIN KIT

BOSCH GSR 12 V-15 FC FLEXICLICK DRILL DRIVER

Whatever the task or situation, the Bosch GSR 12 V-15 FC FlexiClick drill driver with its 4 chucks is almost certain to have the solution. This 12V drill driver comes with 2 x 2.0Ah batteries, charger and L-BOXX 136 carry case. The kit also includes a GFA 10mm capacity 3-jaw chuck, a GHX hex bit holder, a GWA right angle adaptor and a GEA off-centre hex bit holder.

PART NO.	DESCRIPTION
P09-5531	BOSCH GSR 12 V-15 FC FLEXICLICK DRILL DRIVER

BOSCH 12V LITHIUM ION BATTERIES

Compact and lightweight. Available in 2, 3 and 6 Ah.

PART NO.	DESCRIPTION
F19-1115	12V LITHIUM ION BATTERY 2.0AH 12V
P09-0605	BOSCH GBA 3.0AH 12V LI-ION BATTERY
P09-0606	BOSCH GBA 6.0AH 12V LI-ION BATTERY

BOSCH GBH18V-21 BRUSHLESS CORDLESS S.D.S-PLUS HAMMER DRILL (BODY ONLY)

Powerful brushless 18v S.D.S hammer drill with drilling capacity up to 21mm.

Supplied naked, battery extra.

- Max. impact energy: 2 J
- Impact rate at rated speed: 0 5,100 bpm
- Rated speed: 0 -1,800 rpm
- Tool holder: S.D.S plus

PART NO.	DESCRIPTION
P09-2526	BOSCH GBH18V-21 BRUSHLESS CORDLESS S.D.S-PLUS HAMMER DRILL (BODY ONLY)

BOSCH GSB18V-55 COMBI DRILL

The Bosch GSB 18V-55 is a powerful and efficient combi drill that can be used in a variety of applications. It has a powerful 55Nm torque setting and a quick 1,750 RPM motor speed. The 13mm Rohm metal chuck provides an ideal power transfer for drilling and screwdriving work. The brushless motor ensures extensive tool lifetime and longer battery runtimes.

- Max. Torque: 55Nm
- 20 Torque Settings + Drill + Hammer Drill
- 13mm Keyless Chuck
- 2-Speed Variable & Reverse
- LED Work Light
- Automatic Spindle Lock

PART NO.	DESCRIPTION
P09-2386	BOSCH GSB18V-55 COMBI DRILL (BODY ONLY)
P09-4106	BOSCH GSB18V-55 COMBI DRILL DRIVER WITH 2 X 2AH BATTERIES

BOSCH GBH 18V-26 F 18 VOLT BRUSHLESS S.D.S-PLUS HAMMER DRILL

Incredible power and drilling capacity.

Drill up to 26mm diameter holes in concrete.

- Max. impact energy 2.6 J
- Impact rate at rated speed 0 - 4.350 bpm
- Rated speed 0 - 890 rpm
- Bit holder S.D.S-plus

PART NO.	DESCRIPTION
P09-5681	BOSCH GBH 18V-26 F 18 VOLT BRUSHLESS S.D.S-PLUS HAMMER DRILL
P09-5555	BOSCH GBH18-26F 18V SDS CORDLESS ROTARY HAMMER DRILL WITH 2 X 5.0AH BATTERIES
P09-5558	BOSCH GBH 18V-26F SDS CORDLESS ROTARY HAMMER DRILL WITH 2 X 8.0AH BATTERIES

BOSCH GBH 18 V-26 D S.D.S+ PLUS CORDLESS BRUSHLESS ROTARY HAMMER (BODY ONLY)

The Bosch GBH 18V-26 D is a D-handled, cordless, S.D.S+ Plus shank 18 volt rotary hammer. The machine has a brushless motor and a huge 2.5 joules of impact energy which is equivalent to Bosch's corded power tools.

- Max. impact energy: 2.5 J
- Impact rate at rated speed: 0 – 4,350 bpm
- Rated speed: 0 – 980 rpm
- Weight excl. battery: 2.6 kg

PART NO.	DESCRIPTION
P09-2444	BOSCH GBH 18 V-26 D S.D.S+ PLUS CORDLESS BRUSHLESS ROTARY HAMMER (BODY ONLY)

A) BOSCH DUST COLLECTION COVER PROFESSIONAL

Simple clip-on dust collection cover for dust-free drilling.

B) BOSCH GDE 18V-26 D PROFESSIONAL CORDLESS DUST EXTRACTOR

Mobile freedom - Dustless mobile work for convenient and clean drilling.

Compatible for use with popular corded and cordless Bosch Professional rotary hammers, such as GBH 2-26/28 (F/L) and GBH 18V-26 D.

C) BOSCH GBH 18V-26 F 2X6.0AH LI-ION 18V SDS PLUS ROTARY HAMMER DUST EXTRACTION KIT

Contents:
- 1x L-Boxx Carry Case
- 1x GDE 18V-16 Professional Dust Extraction System
- 2x 6.0 Ah Li-Ion Batteries
- 1x GAL 1880 CV Quick Charger
- 1x Auxiliary Handle
- 1x Depth Stop
- 1x Quick Change Chuck
- 1x SDS-Plus Quick Change Chuck

A　　**B**　　**C**

PART NO.	DESCRIPTION
P09-1555	A) BOSCH DUST COLLECTION COVER PROFESSIONAL
P09-2384	B) BOSCH GDE 18V-26 D PROFESSIONAL CORDLESS DUST EXTRACTOR
P09-2360	C) BOSCH GBH 18V-26 F 2X6.0AH LI-ION 18V SDS PLUS ROTARY HAMMER DUST EXTRACTION KIT

CIVILS & SITE EQUIPMENT

BOSCH GBH 18V-34 CF 18V BRUSHLESS ROTARY HAMMER WITH S.D.S PLUS (BODY ONLY)

The most powerful SDS Cordless Hammer on the market. Outstanding performance with 5.8J impact energy for demanding work in concrete. Perfect control; soft start for precise chiselling and 3 different operating modes to ensure the right setting for every task.

- Max. impact energy: 5.8 J
- Impact rate at nominal speed: 0-2,900 bpm
- Rated speed: 0 - 500 min-1
- Weight excl. battery pack: 4.9 kg
- Tool holder: S.D.S plus
- Drill Ø in concrete with hammer drills: 6 - 32 mm

PART NO.	DESCRIPTION
P09-2174	BOSCH GBH 18V-34 CF 18V BRUSHLESS ROTARY HAMMER WITH S.D.S PLUS (BODY ONLY)

BOSCH GBH 18V-36 C CORDLESS BITURBO SDS MAX ROTARY HAMMER (BODY ONLY)

GBH18V-36C SDS-MAX Hammer Drill delivers superb power from this lightweight compact design giving 7 joules of impact energy from a 6kg machine, ideal for concrete drilling and chiselling work.

The GBH18V-36C Bosch SDS-MAX Hammer Drill is about 20% lighter than most other SDS-MAX machines in this sector of the industrial power tool market.

Features:

- Max. impact energy 7 J
- Impact rate at rated speed 0 – 2,900 bpm
- Rated speed 0 – 500 rpm
- Tool holder SDS max
- Drilling dia. in concrete with hammer drill bits 14 - 35 mm
- Battery voltage 18 V
- Weight excl. battery 5.1 kg

PART NO.	DESCRIPTION
P09-2442	BOSCH GBH 18V-36 C CORDLESS BITURBO SDS MAX ROTARY HAMMER (BODY ONLY)

BOSCH GBH36VF-LI PLUS 36V SDS CORDLESS ROTARY HAMMER DRILL WITH 3 X 4.0AH BATTERIES

The GBH 36 V-LI Plus Professional is the powerful cordless SDS plus hammer with 36V for demanding tasks in concrete with a striking mechanism that delivers 3.2 J impact energy.

Supplied with 3 x 4Ah Batteries and quick change chuck.

Impact rate at rated speed 0 – 4,200 bpm. Rated speed 0 – 940 rpm. Tool holder SDS plus. Drilling dia. in concrete with hammer drill bits 4 – 28 mm. Max. drilling diameter in metal 13 mm. Max. drilling diameter in wood 30 mm.

Contents:
Carrying case
Quick charger
Keyless chuck
Depth stop
SDS-plus
quick-change chuck
Auxiliary handle
3 x 4.0 Ah Li-Ion batteries

PART NO.	DESCRIPTION
P09-8265	BOSCH GBH36VF-LI PLUS 36V SDS CORDLESS ROTARY HAMMER DRILL WITH 3 X 4.0AH BATTERIES

BOSCH GDX 18V-200 C CORDLESS IMPACT DRIVER / WRENCH

The GDX 18V-200 Professional combines brushless power, a compact design and a 2-in-1 tool holder for highest flexibility.

The unique 2-in-1 tool holder with ¼" internal hex and ½" square drive makes it versatile and ideal for the widest range of applications.

Features:

- 2-in-1 tool holder with ¼" internal hex and ½" square drive guarantees flexibility for the widest range of applications
- Brushless motor with 200 Nm tightening torque and 350 Nm breakaway torque for excellent battery runtime and long tool lifetime
- Better control of speed and torque due to the variable speed trigger.

Batteries and charger not included.

PART NO.	DESCRIPTION
P09-2385	BOSCH GDX 18V-200 C CORDLESS IMPACT DRIVER / WRENCH

BOSCH GWS-18V-7 18V CORDLESS ANGLE GRINDER 115MM BODY ONLY IN L-BOXX

The GWS 18V-7 Professional 700w 4.1/2 inch (115mm) cordless angle grinder offers the convenient combination of solid 18 V cutting performance and compact design.

Specifications:

No-load speed 11,000 rpm
Battery voltage 18 V
Grinding spindle thread M14
Bore size, diameter 22.23 mm
Weight excl. battery 1.6 kg
Supplied with backing flange, locking nut, two-hole spanner, protective guard, side handle and storage carry box
Battery and Charger not included.

PART NO.	DESCRIPTION
P09-5000	BOSCH GWS-18V-7 18V CORDLESS ANGLE GRINDER 115MM BODY ONLY IN L-BOXX

BOSCH GWS 18V-125 SC BRUSHLESS ANGLE GRINDER INC GCY 30-4 MODULE CHIP

The GWS 18V-10 SC Professional cordless small angle grinder offers an improved level of power and tool control in the 18 V category. It delivers cordless power equal to a 1,000 W corded grinder due to its powerful brushless motor and ProCORE18V battery technology.

Specifications:

Voltage: 18v
No Load Speed: 4,500 - 8,500 rpm
Spindle: M14
Bore Size: 22 mm
Disc Diameter: 125mm / 5"
Weight (inc Battery): 2.9 Kg

Supplied with backing flange, Simply Connected Module, Quick Charger, locking.

PART NO.	DESCRIPTION
P09-5545	BOSCH GWS 18V-125 SC BRUSHLESS ANGLE GRINDER INC GCY 30-4 MODULE CHIP

BOSCH GSA 18 V-LI 18V PROFESSIONAL RECIPROCATING SABRE SAW

The GSA 18 V-LI gives the user both easy and fast handling and offers fast saw blade changes thanks to the Bosch S.D.S mechanism. There are 2 speed settings for material specific working, making this a handy and versatile tool.

- Includes 2 x 18V 5.0Ah Li-Ion batteries
- Cutting depth in wood: 250mm
- Cutting depth in metal profiles and metal
- pipes: 130mm
- Stroke lengths: 28mm
- Weight incl. battery: 3.4kg

PART NO.	DESCRIPTION
P09-6873	BOSCH GSA 18 V-LI 18V PROFESSIONAL RECIPROCATING SABRE SAW
P09-5001	BOSCH GSA 18 V-LI 18V PROFESSIONAL RECIPROCATING SAW BODY ONLY IN L-BOXX

BOSCH GOP 18 V-28 STARLOCK PLUS BRUSHLESS MULTI-CUTTER BODY ONLY IN L-BOXX

The Bosch GOP 18 V-28 Brushless 18v Starlock multi-cutter is compatible with both Starlock and Starlock Plus blades and has a variety of features including a LED light for use in low light. It has comparable power to that of a corded tool with all the benefits of cordless.

Features:

3D interface for low-loss power transfer from the tool to the accessory

With LED for perfect visibility

Snap-in function for tool-free accessory changes in 3 seconds

StarlockPlus category tool ensures a faster work rate

Batteries and charger sold separately.

PART NO.	DESCRIPTION
P09-5003	BOSCH GOP 18 V-28 STARLOCK PLUS BRUSHLESS MULTI-CUTTER BODY ONLY IN L-BOXX
P09-5682	BOSCH GOP 18 V-28 STARLOCK PLUS CORDLESS BRUSHLESS MULTI-CUTTER (BODY ONLY)

BOSCH GKS 18 V-57 G 165MM CIRCULAR SAW BODY ONLY IN L-BOXX

TThe GKS 18V-57G offers a 57mm maximum depth of cut at 90°. This model includes an upgraded baseplate, which means this tool is compatible with the Bosch FSN Guiderail system for a more accurate job.

Specifications:
Voltage: 18v
No-load Speed: 3,400 rpm
Saw Blade Diameter: 165 mm
Saw Blade Bore Diameter: 20 mm
Cutting Depth (90°): 57 mm
Cutting Depth (45°): 42 mm
Weight (Inc Battery): 4.1 Kg
FSN Guiderail Compatible: Yes

Supplied with Standard for Wood Saw Blade, Dust Extraction Adapter, Internal Hexagon, Parallel Guide and L-Boxx 238 Carry Case with inlay.

Batteries and charger sold separately.

PART NO.	DESCRIPTION
P09-5002	BOSCH GKS 18 V-57 G 165MM CIRCULAR SAW BODY ONLY IN L-BOXX

BOSCH GHG 18V-50 PROFESSIONAL CORDLESS HEAT GUN 18V

Work on the go – the GHG 18V-50 Professional is designed for flexible usage in any environment. Equipped with a fast heat up to 300 °C within 6 seconds, this cordless heat gun loses no time in reaching the defined temperature.

Airflow* 175 l/min
Battery voltage 18.0 V
Heat-up time to 300°C 6 s
Weight excl. battery* 0.59 kg
Temperature levels 2
Working temperature* 300 - 500 °C
Battery and charger not included.

PART NO.	DESCRIPTION
P09-0505	BOSCH GHG 18V-50 PROFESSIONAL CORDLESS HEAT GUN 18V
P09-0506	BOSCH GHG 18V-50 PROFESSIONAL CORDLESS HEAT GUN 18V WITH 4AH BATTERY & CHARGER

BOSCH LI-ION BATTERIES

A) Coolpack Batteries
High-endurance 18 volt XL battery COOLPACK Batteries providing up to 65% longer runtime. Available 4Ah and 5Ah Options.

B) Extra Heavy Duty ProCORE Batteries
The Bosch ProCORE Battery have 87% more power thanks to the latest cell technology and intelligent battery management, and 135% longer life with the COOLPACK 2.0 technology that prevents the battery from overheating- in simple terms, mains power from battery!

C) F19-1116 12v DC Charger

D) P09-7296 Bosch GAL1880CV 14.4- 18v 240v Charger

E) P09-7297 Bosch GAL1880CV 14.4- 36v 240v Charger

PART NO.	DESCRIPTION
P09-7298	A) BOSCH 18V COOLPACK BATTERY 4.0AH
P09-5266	A) BOSCH 18V COOLPACK BATTERY 5.0AH
P09-2351	B) BOSCH 18V PROCORE BATTERY 5.5AH
P09-2312	B) BOSCH 18V PROCORE BATTERY 8.0AH

PART NO.	DESCRIPTION
P09-2356	B) BOSCH 18V PROCORE BATTERY 12.0AH
F19-1116	C) 12V DC CHARGER
P09-7296	D) BOSCH GAL1880CV 14.4- 18V 240V CHARGER
P09-7297	E) BOSCH GAL1880CV 14.4- 36V 240V CHARGER

CIVILS & SITE EQUIPMENT

3-YEAR-GUARANTEE

Extend the warranty on your Bosch Professional tools now to three years, free of charge in just a few clicks on the PRO360 service portal.

www.bosch-professional.com/gb/en/pro360

BOSCH WARRANTY PROMISE

Bosch power tools meet the strictest quality standards. That's why we're making you a special offer. Extend your warranty time from one year by an additional two years free of charge, allowing you to benefit from our warranty promise for three whole years. This offer applies to all professional power tools and measuring tools, as well as all associated rechargeable batteries from Bosch.

High-frequency tools, industrial cordless screwdrivers, pneumatic tools and corresponding accessories are excluded.

IT'S IN YOUR HANDS. BOSCH PROFESSIONAL.

BOSCH GBH2-26-240V SDS-PLUS HAMMER

A general purpose reliable SDS hammer drill for fast drilling and chiselling fully controlled by the variable speed control. This SDS Hamer drill has 3 function settings for drilling, hammer drilling and light chiselling which allows use on a wide range of applications around the site.

- Rated power input: 830 W
- Max. impact energy: 2.7 J
- Impact rate at rated speed: 0 – 4,000 bpm
- Rated speed: 0 – 900 rpm
- Weight: 2.7 kg
- Drilling dia. in concrete with hammer bits: 4 – 26mm
- Max. drilling dia. in masonry with core cutters: 68mm
- Max. drilling diameter in steel: 13mm
- Max. drilling diameter in wood: 30mm
- Available in 110 and 240 Volt

PART NO.	DESCRIPTION
P09-2472	GBH2-26 S.D.S HAMMER DRILL 110V
P09-2475	GBH2-26 S.D.S HAMMER DRILL 240V

BOSCH GSB 162-2 RE PROFESSIONAL CORE DRILL

The GSB 162-2 RE Professional is a high-powered 2-gear corded impact drill designed for the toughest applications including diamond dry-drilling.

Specifications:

Rated input power 1,500 W
No-load speed, 1st gear* 0 – 750 rpm
No-load speed, 2nd gear* 1,800 rpm
Power output* 840 W
Weight* 4.8 kg
Rated speed 555 / 1,300 rpm
Rated torque 17.0 / 5.0 Nm
Chuck capacity, min./max: 3 - 16 mm

Impact rate at no-load speed*
0 – 12,750 / 30,600 bpm
Drilling dia in wood 50 / 32 mm
Drilling dia in steel 20 / 14 mm
Drilling dia in masonry 162 / 82 mm
Sound power level 103 dB(A)

Available in 240v and 110v

PART NO.	DESCRIPTION
P09-5020	BOSCH GSB 162-2 RE PROFESSIONAL CORE DRILL 110V
P09-5021	BOSCH GSB 162-2 RE PROFESSIONAL CORE DRILL 240V

BOSCH GBH4-32DFR SDS PLUS MULTIDRILL

The powerful GBH 4-32 DFR Professional with SDS plus delivers 4.2 J of impact energy with an 900 W motor for a very fast chisel removal rate..

This rotary hammer is intended for drilling and chiselling in concrete, masonry, wood, and metal. It is compatible with various dust attachments.

The GBH 4-32 DFR Professional also features a keyless and quick-change chuck, Reverse Mode, Rotation Control Clutch, Variable Speed, and Vario-Lock.

Technical Data:

Rated input power 900 W
Impact energy 4.2 J
Impact rate at rated speed 0 – 3,600 bpm
Rated speed 0 – 800 rpm
Weight 4.7 kg
Tool holder SDS plus

Drilling dia. concrete, hammer drill bits, from 6 mm
Drilling dia. concrete, hammer drill bits, up to 32 mm
Drilling dia. concrete, hammer drill bits 6 – 32 mm
Opt. appl. range concrete, hammer drill bits 14 – 25 mm
Max. drilling diameter masonry, core cutters 90 mm
Max. drilling diameter in metal 13 mm
Max. drilling diameter in wood 32 mm

Available in 240v and 110v

PART NO.	DESCRIPTION
P09-9659	BOSCH GBH4-32DFR SDS PLUS MULTIDRILL 110V
P09-9660	BOSCH GBH4-32DFR SDS PLUS MULTIDRILL 240V

BOSCH GBH2-26 - 3 FUNCTION 830W SDS MAX HAMMER DRILL

The Bosch SDS hammer drill is equipped with a powerful 830W motor and impact energy 2.7J.

- Vibration Control ensures more comfortable working, even in time-intensive applications
- Automatic switch lock for the best convenience in continuous chiselling applications
- Setting wheel for variable adjustment of the speed and impact rate for optimum performance
- Rated power input: 1,150W
- Max. impact energy: 8.8J
- Impact rate at rated speed: 1,500 - 3,050bpm
- Rated speed: 170 - 340rpm

- Dimension: Length 485mm x Height: 260mm
- Weight: 6.8kg
- Drilling diameter in concrete with hammer drill bits: 12 - 40mm
- Optimum range of applications in concrete with hammer drill bits: 18 - 32mm
- Drilling diameter in concrete with breakthrough drill bits: 45 - 55mm
- Drilling diameter in concrete with core cutters: 40 - 90mm
- Available in 110 and 240 Voltages

PART NO.	DESCRIPTION
P09-6875	GBH 5-40 DCE BOSCH ROTARY HAMMER WITH S.D.S MAX
P09-6877	S.D.S-MAX GBH 5-40 DCE ROTARY HAMMER 240V

BOSCH GSH 5 CE SDS-MAX BREAKER

The Bosch GSH 5 CE SDS-Max demolition hammer (110v) has a powerful 1150W motor which delivers 8.3 J of impact energy for a high material removal rate. It's lightweight with Vibration Control for effortless and continuous work in time-intensive applications.

- Rated Power Input 1150 w
- Lightweight design for comfortable handling in extensive applications
- SDS-Max chuck for maximum power transmission and tool-free chisel changes
- Speed preselection for applications which require material-specific speed
- Receive constant speed under load thanks to electronic regulation
- Vibration Control: rubber mounting and foam padding in the handles significantly reduces vibration for increased safety and comfort
- Robust metal components and optimised lubrication system ensure that this Bosch SDS hammer is durable
- Available in 110 and 240 Voltages
- Weight 6.1kg

PART NO.	DESCRIPTION
P09-2491	GSH 5 5KG DEMOLITION HAMMER S.D.S-MAX 110V
P09-2492	GSH 5 5KG DEMOLITION HAMMER S.D.S-MAX 240V

MAKITA HR4013C 40MM AVT SDS MAX ROTARY HAMMER DRILL 110V

TThe Makita HR4013C 40mm AVT SDS Max Rotary Hammer has been developed to provide higher operating efficiency and more comfort with an unrivalled low level of vibration. It has a one touch sliding chuck for easy bit installation and removal and an easy to operate operation-mode change lever. The vibration absorbing housing offers unrivalled low level of vibration. In hammering mode, the on/off switch is switchable between two switches to meet your application, for Continuous or Intermittent chiselling applications.

Specification:
Input Power: 1,000W
No Load Speed: 250-500/min.
Impact Rate: 1,450-2,900/bpm
Impact Energy: 8.0 joules
Max in Concrete: 40mm
Weight: 6.8kg
Vibration K factor1.5 m/sec
Vibration: Chiselling4.5 m/sec
Vibration: Hammer Drilling: 5 m/sec
Available in 110v

PART NO.	DESCRIPTION
P09-4258	MAKITA HR4013C 40MM AVT SDS MAX ROTARY HAMMER DRILL 110V

JCB 1700W 30MM HEX DEMOLITION HAMMER 240V

- Powerful demolition hammer delivering 65 J of impact force.
- Suitable for fast chiselling and high material removal rate
- Anti-vibration system and lock on switch for comfort and reduced fatigue
- Multi-positional auxiliary handle for operational convenience
- Includes 2 chisels, 1 set of spare carbon brushes, grease tube and carry case
- Voltage 240 V
- Impact rate 2000 bpm
- Chuck 30mm Hex
- Impact force 65 J
- Wattage 1700 W
- Weight 16.4kg
- Cable length 3 m

PART NO.	DESCRIPTION
P57-5056	JCB 1700W 30MM HEX DEMOLITION HAMMER 240V

BOSCH GSA 1100 E SABRE SAW

OCorded, reliable and lightweight reciprocating saw. 1,100 W drivetrain ensures a strong performance in a variety of applications. Better control during operation thanks to variable speed. Integrated LED light delivers increased visibility while working. **Available in 240v and 110v.**

Specification	
Rated input power	1,100 W
Stroke rate at no load*	0 – 2,700 spm
Weight*	3.6 kg
Saw, stroke length	28 mm
Packaging dimensions (width x length x height)	295 x 580 x 140 mm

PART NO.	DESCRIPTION
P09-5276	BOSCH GSA 1100 E SABRE SAW 110V
P09-5277	BOSCH GSA 1100 E SABRE SAW 230V

BOSCH GST 150 BCE PROFESSIONAL JIGSAW

The most powerful tool in its price class. Tool-free saw blade clamping system for easy and fast saw blade changes. Ergonomic grip area with softgrip surfaces for a high level of comfort during use. 4-stage pendulum action for fine through to coarse cuts. Electronic speed preselection. High power reserves, even in hard and thick beams, due to powerful and overload-capable 780-watt motor. Extremely robust and bend-resistant sole plate for the toughest jobs. High cutting precision due to new saw blade clamping system.

- Rated power input 780 W
- Performance data
- Stroke rate at no load 500 – 3.100 spm
- Stroke height 26 mm
- Cutting depth in wood 150 mm
- Cutting depth in aluminium 20 mm
- Cutting depth in non-alloyed steel 10 mm
- Cable length 4 m
- Weight 2.7kg

PART NO.	DESCRIPTION
P09-5274	BOSCH GST 150 BCE PROFESSIONAL JIGSAW 110V
P09-5275	BOSCH GST 150 BCE PROFESSIONAL JIGSAW 230V

BOSCH GOP 30-28 PROFESSIONAL STARLOCK PLUS MULTICUTTER

TThe GOP 30-28 Professional, is in the Starlock Plus performance class and features a power of over 300 watts. Supplied with 10 assorted blades and sanding options.

Specifications:

Power Input: 300 W

Oscillations: 8,000 – 20,000 opm

Oscillation amplitude: 2.8° (2x 1.4°)

Grip circumference: 175 mm

Tool length: 280 mm

Tool holder: StarlockPlus™ (Allen Key)

Weight: 1.5 kg

PART NO.	DESCRIPTION
P09-5272	BOSCH GOP 30-28 PROFESSIONAL STARLOCK PLUS MULTICUTTER 110V
P09-5273	BOSCH GOP 30-28 PROFESSIONAL STARLOCK PLUS MULTICUTTER 230V

BOSCH GWS 9-115 S PROFESSIONAL ANGLE GRINDER 4 1/2"

OBosch 4/1/2" mini angle grinder with the strong 900 W motor. Small grip size and ergonomic design for optimal tool control. Perfect working results in a variety of materials thanks to the speed selection. It weighs only 1.9kg which makes it easy to handle for continuous use.

Available in 240v and 110v

- Rated input power 900 W
- No-load speed* 2,800 - 11,000 rpm
- Power output* 450 W
- Grinding spindle thread M14
- Disc diameter 115 mm
- Weight 1.9 kg
- Switch Lockable

PART NO.	DESCRIPTION
P09-8269	BOSCH GWS 9-115 S PROFESSIONAL ANGLE GRINDER 4 1/2" 240V
P09-8270	BOSCH GWS 9-115 S PROFESSIONAL ANGLE GRINDER 4 1/2" 110V

BOSCH GWS 22-230 P PROFESSIONAL ANGLE GRINDER 230MM / 9"

The Bosch 9" GWS22-230H Angle Grinder is robust and has a powerful 2200w motor for heavy-duty applications. It has vibration control handles, and also a kickback stop systems which detects when the disc is jammed and stops the grinder immediately, minimising the risk of injury.

- Voltage: 240v
- Input wattage: 2,200w
- Grinding spindle thread: M14
- Wheel size: 230mm
- No load speed: 6,500rpm
- Switch: PROtection/Tri-control
- Main handle: Straight

Available in 240v and 110v

PART NO.	DESCRIPTION
P09-0603	BOSCH GWS 22-230 P PROFESSIONAL 110V
P09-0604	BOSCH GWS 22-230 P PROFESSIONAL 240V

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A) BOSCH GRW 12 E PROFESSIONAL M14 STIRRER PADDLE MIXER 140MM

The GRW 12 E Professional is an easy-to-use corded 1-gear stirrer. Its ergonomic wrap-around handle provides comfortable and easy handling. It has a strong 1,200 W motor that delivers a powerful stirring performance with fast results. It also features a variable speed trigger for easy control over mixing speed. This tool is intended for stirring plaster and paint up to 50 kg.

Supplied with a 140mm basket.

B) HYUNDAI 1600W ELECTRIC PADDLE MIXER 230V/240V

The HYPM1600E is a powerful, high-torque 1600W corded electric paddle mixer from Hyundai is ideal for quick, effortless and convenient mixing of paint, plaster, gypsum, adhesive, mortar, small buckets of cement, and other mid-viscosity liquids.
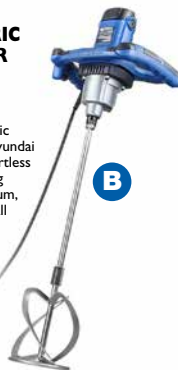
C) M14 MIXING PADDLE 115M - 600MM LENGTH

The mixing paddle is fitted with an M14 spindle thread and is designed for use with professional mixing machines of 850 watts or more.

Great for mixing adhesives, Artex, screed, mortar, plaster, paste, paint and over heavy mixture materials. Size: 115 x 600mm.

PART NO.	DESCRIPTION
P09-1020	A) BOSCH GRW 12 E PROFESSIONAL M14 STIRRER PADDLE MIXER 140MM 110V
P09-1021	A) BOSCH GRW 12 E PROFESSIONAL M14 STIRRER PADDLE MIXER 140MM 240V

PART NO.	DESCRIPTION
P57-5054	B) HYUNDAI 1600W ELECTRIC PADDLE MIXER 230V/240V
S83-9400	C) M14 MIXING PADDLE 115M - 600MM LENGTH

DEWALT LCD HEAT GUN 1600W 110V

Durable design with added protection for the heating element. Light weight ergonomics and compact design for increased comfort and application use. Two air flows to maximise control in most applications. Large stable support stand to ensure safety in stationary applications. Two cone attachments as standard to increase the users versatility for specific applications. Supplied with Cone nozzle and Fish tail surface nozzle.

- Power Input 1800 Watts
- Operating Temperature 50-400 / 50-600 °C
- Air Flow 250 / 450 l/min
- Weight 0.80 kg
- Length 253 mm
- Height 210 mm
- Hand/Arm Vibration 0.86 m/s2
- Hand/Arm Vibration 1.5 m/s2
- Uncertainty K 1 (Vibration) 68 m/s²
- Sound Pressure Uncertainty 3 dB(A)
- Sound Power 79 dB(A)
- Sound Power Uncertainty 3 dB(A)

PART NO.	DESCRIPTION
P09-0601	DEWALT LCD HEAT GUN 1600W 110V

DEWALT DCE531N XR CONCRETE VIBRATING POKER 18V

The 18V XR concrete vibrator gives you the power and runtime you need to consolidate concrete. The 28.6mm diameter vibrator and 14,000 VPM (under load) deliver maximum consolidation power and efficiency.

The 1.2m long flexible shaft provides ease of use and long reach.

Features:

Vibrating poker removes air from concrete forms to strengthen concrete and improve consistency of mix.

Light and compact, suitable for single person operation.

Tool-free locking nut allows easy removal of shaft for transportation.

Sealed motor and drive shaft for improved durability.

PART NO.	DESCRIPTION
P06-0750	DEWALT DCE531N XR CONCRETE VIBRATING POKER 18V

SEALEY VACUUM DRILL DUST EXTRACTOR 3.7V

- Vacuum holds unit to the wall for easy drilling.
- Suitable for drill bits up to Ø12mm.
- Features a horizontal and vertical spirit level for accurate positioning.
- Laser light on the bottom for accurate positioning of holes, for example in a sequence or a square.
- Removable dust collection pod for easy emptying.
- Rechargeable lithium-ion powered battery with USB cable.

PART NO.	DESCRIPTION
P09-9000	SEALEY VACUUM DRILL DUST EXTRACTOR 3.7V

UNIVERSAL DUST COLLECTION SHROUD

- Drilling and Rotary hammer dust-extraction attachment – optimised for drilling diameters from 9.5mm to 35mm (3/8 Inch to 1-3/8 Inc)
- Vacuum Dust Extractor is compatible with standard hose size from 26mm to 39mm(1-1/8ln.;1-1/4ln.;1-1/2ln.;1-3/8ln.), accommodates 64mm (2-1/2ln.) by removing rubber band
- Dual air chambers provide for both dust collection during use and provide suction to the wall.
- Hose receiver swivels to allow for repositioning of the hose as needed.
- Rubber seal maintains suction to wall and ensures dust containment.

PART NO.	DESCRIPTION
P09-0600	UNIVERSAL DUST COLLECTION SHROUD

CIVILS & SITE EQUIPMENT

MILWAUKEE M18 FUEL 4-MODE 26MM SDS-PLUS HAMMER WITH FIXTEC CHUCK AND ONE-KEY

The fastest drilling rotary hammer in its class leading to increased productivity. Powerful hammer mechanism delivers 2.5 J of impact energy at low 12.9 m/s² vibrations. Drills up to 125 10 x 50 mm holes on a M18™

- HIGH OUTPUT™ 5.5 Ah battery charge.
- AUTOSTOP™ shuts down the tool to protect the user of sharp movement in bind up situations.
- ONE-KEY™ tool tracking & security offers a free of charge cloud-based tracking network and inventory management platform for your tools.
- ONE-KEY™ also features a remote locking functionality.
- FIXTEC™ system for keyless chuck changing between SDSPlus and 13 mm metal chuck.

All metal gear case - optimum seating of the gears for enhanced tool life.

4-mode operation: rotary hammer, hammer only, rotation only and selectable work position of the chisel (variolock) for maximum versatility.

PART NO.	DESCRIPTION
P09-0530	MILWAUKEE M18 FUEL 4-MODE 26MM SDS-PLUS HAMMER WITH FIXTEC CHUCK AND ONE-KEY

MILWAUKEE DUST EXTRACTION FOR M18 FUEL 26MM SDS-PLUS HAMMER WITH AUTOPULSE

Designed to collect dust efficiently with automatic operation from the tools on/ off trigger switch. AUTOPULSE™ industry's first on-board automatic filter cleaning mechanism for an on-tool dust extractor, which increases the air flow efficiency as well as the filter life time. The highly efficient HEPA filter collects 99.97 % of airborne particles down to 0.3 microns.

Translucent dust box allows user to see the current level of dust inside as well as when the dust box is full. Dust box with vacuum port allows user to attach to large dust extractors to suction out dust from the box.

Optimised to be used with AS 30 LAC 30 l dust extractor and DEK26 hose clip adapter (4931447295).

Exchangeable nozzles to adjust to the different drilling diameters.

Supplied with 2 nozzle sizes 1x up to 16 mm, 1x up to 26 mm, which can be quickly switched thanks to the Quick-Lock™ mechanism.

Dust extraction aluminium tube is adjustable according to the size of the drill bit and length up to 210 mm depth.

PART NO.	DESCRIPTION
P09-0531	MILWAUKEE DUST EXTRACTION FOR M18 FUEL 26MM SDS-PLUS HAMMER WITH AUTOPULSE

MILWAUKEE 18 VC2-0 M18™ WET & DRY VACUUM - BARE UNIT

Powerful 18 V motor with a maximum air flow of 1300 l/min / 80 bar provides excellent suction power for both wet and dry clean up applications. HEPA filter will collect 99.97% of airborne particles down to 0.03 microns for fine dust collection. Up to 30 minutes run time with M18™ 9.0 Ah battery pack. Internal accessory and hose storage allows all attachments to be carried with the tool avoiding loss of equipment.

DEK 26 compatible allows the vacuum to be easily connected to a powertool. Stackable tool box design for added portability and easier storage. On board blower for moving debris away from the work area.

Waterproof switch prevents switch damage over the life time of the tool.

Flexible battery system: works with all MILWAUKEE® M18™ batteries.

Battery and charger not included

PART NO.	DESCRIPTION
P09-0532	MILWAUKEE 18 VC2-0 M18™ WET & DRY VACUUM - BARE UNIT

MILWAUKEE M18 BTP-0 M18 COMPACT TRANSFER PUMP - BARE UNIT

18V transfer pump with 3.4 kg in weight, it's lighter than other corded transfer pumps with an equal performance. With a flow rate of 1817 l/h, it can deliver 908 l of transferred water with one M18™ 5.0 Ah battery charge. REDLINK™ intelligence can recognise when the tool stops moving water and automatically shuts itself off to avoid dry pumping.

The tool's flexible impeller and powerful motor generate a lift height up to 5.5 m and a head height up to 23 m ¾" BSPT male thread reception for any standard water hose available. For the inlet, a hose with 19 mm inner diameter is recommended, for optimised performance.

To be used for water, clear of debris only.

- Flexible battery system: works with all MILWAUKEE® M18™ batteries.
- Max. suction height (m) 5.5
- Max. head height (m) 23
- Max. water temperature [°C] 60
- IP protection class IP54
- Thread size (mm) ¾" (19 mm) Male thread

Battery and charger not included.

PART NO.	DESCRIPTION
P09-0533	MILWAUKEE M18 BTP-0 M18 COMPACT TRANSFER PUMP - BARE UNIT

MILWAUKEE M18 FUEL 7/16 INCH HEX UTILITY HIGH TORQUE IMPACT WRENCH WITH 2X BATTERIES & CHARGER

The MILWAUKEE® M18 FUEL™ 7/16 hex utility high torque impact wrench with ONE-KEY™ is the perfect match for the 7/16 accessories range giving you the power when needed in larger wood application.

With up to 1017 Nm max torque, this battery powered impact wrench gives you more power to effortlessly complete your applications or the removal of rusted and corroded hardware.

The extended handle offers you increased grip surface, perfect when wearing safety gloves for improved comfort, less fatigue, and balanced manoeuvrability.

Equipped with a QUIK-LOK™ chuck, providing faster and easier bit changes. The integrated lanyard loop allows you to easily transfer and store the tool.

The DNA of the FUEL™ platform redefines the balance of cordless technologies.

PART NO.	DESCRIPTION
P09-0534	MILWAUKEE M18 FUEL 7/16 INCH HEX UTILITY HIGH TORQUE IMPACT WRENCH WITH 2X BATTERIES & CHARGER
P09-0535	MILWAUKEE ADAPTOR 7/16" HEX - 1/2" SQUARE SHOCKWAVE IMPACT DUTY SOCKET ADAPTOR

MILWAUKEE M18 BRUSHLESS 115MM ANGLE GRINDER WITH 2X BATTERIES & CHARGER

Powerful brushless motor delivering corded performance similar to an 800 W grinder. 11,000 RPM optimised for cutting applications. Most compact and lightest cordless angle grinder in the the range. Safety clutch protects user the from kickback injuries. Integrated FIXTEC™ system for tool-free wheel change. Non-lockable safety paddle switch with line-lock-out function to prevent automatic start up. 115 mm keyless guard with cutting guard clip for fast guard adjustment without using a key. Integrated dust screen to prevent debris entrance, prolonging motor life.

Slim handle design. Brushless motor, REDLITHIUM™ battery pack and REDLINK™ electronic deliver power, run time and durability. Flexible battery system: works with all MILWAUKEE® M18™ batteries.

No load speed (rpm) 11,000.
Weight with battery pack (EPTA) (kg) 2.4 (M18B4).
Brake No. Switch type Paddle (Deadman) switch. FIXTEC™ Yes

Kit includes:
2 x M18 B4 Battery packs, M12-18 C Charger, HD Box.

PART NO.	DESCRIPTION
P09-0536	MILWAUKEE M18 BRUSHLESS 115MM ANGLE GRINDER WITH 2X BATTERIES & CHARGER

MILWAUKEE 18 BHG-502C M18 HEAT GUN WITH 2X 5.0AH BATTERIES & CHARGER

High performance heat coil allows the tool to reach 470 °C. Reaches operational temperature in six seconds allowing the user to quickly complete the application. REDLINK™ overload protection electronics in tool and battery pack deliver best in class system durability. Individual battery cell monitoring optimises tool run time and ensures long term pack durability. Durable ladder hook for work space management and safety.

Supplied with 2x nozzles: 1x reduction nozzle for heat intensity on a specific area, 1x reflector nozzle to apply heat around an object, such as pipes. Integrated LED light to illuminate the work area. REDLITHIUM™ battery pack provides superior pack construction, electronics and fade-free performance to deliver more run time and more work over pack life. Flexible battery system: works with all MILWAUKEE® M18™ batteries. Temperature range (°C) 470. Air volume (l/min) 170. Recommended ambient operating temperature [degrees] -18 - +52. Weight with battery pack (EPTA) (kg) 1.4 (M18 B5).

Kit includes: 2 x M18 B5 Battery packs, M12-18 C Charger, Kitbox.

PART NO.	DESCRIPTION
P09-0537	MILWAUKEE 18 BHG-502C M18 HEAT GUN WITH 2X 5.0AH BATTERIES & CHARGER

MILWAUKEE 18 UBL-0 M18 LED UTILITY MEWP LIGHT - BARE UNIT

Dual light head design with 180° of vertical and horizontal head rotation, heads can be rotated individually. 3 output modes: Spot, Flood, Spot/Flood provides up to 2500 lumens and up to 457 m of beam distance on Flood mode. Patented spring loaded bucket clamp for most bucket sizes.

- IP56 to withstand harsh weather conditions.
- Low battery indicator alerts users when the battery is nearing end of charge.
- Bulb type LED
- Max. light output
- Spot_flood|Flood|Spot|Strobe [lumens] 2200/ 2500/ 800/ -
- Max. run time with M18 B9 battery: [h] 4/ 4/ 6/
- Beam distance [m] 457

Battery and charger not included.

PART NO.	DESCRIPTION
P09-0538	MILWAUKEE 18 UBL-0 M18 LED UTILITY MEWP LIGHT - BARE UNIT

MILWAUKEE M18 FPFT-202 30M FUEL POWERED FISH TAPE WITH 2X 2.0AH BATTERIES & CHARGER

The M18 FUEL™ Fish Tape is the world's first professional battery powered cable pulling solution. POWERSTATE™ brushless motor that provides the ability to pull a maximum length of 72 m wire. AUTO-RUN™ powered feeding and cable pulling is a fast and efficient solution providing higher productivity vs other solutions. Less user fatigue due to powered wire pulling, especially when working on overhead installations.

Quick tool free drum exchange with 4 compatible interchangable drums, Steel Tape: 36 and 72 m / Nonconductive Tape: 30 and 60 m.

Proprietary anti-binding drum design for smoother feeding and retracting. Variable speed trigger for maximum control during tape feeding and wire pulling.

The DNA of our FUEL™ platform redefines the balance of cordless technologies.

MILWAUKEE®'s POWERSTATE™ brushless motor, REDLITHIUM™ battery pack and REDLINK PLUS™ electronic intelligence delivering outstanding power, run time and durability.

PART NO.	DESCRIPTION
P09-0539	MILWAUKEE M18 FPFT-202 30M FUEL POWERED FISH TAPE WITH 2X 2.0AH BATTERIES & CHARGER

MILWAUKEE M18 FAC-0 FUEL AIR COMPRESSOR

POWERSTATE™ brushless motor delivers a maximum air pressure of 9.31 l/m at 2.8 bar. At only 68 dB(A) this is one of the quietest cordless compressors on the market allowing for a more comfortable working environment on the jobsite. 14 kg in weight and equipped with two carry handles allows the compressor to be easily transport to and from the jobsite. Excellent productivity with a run time of 1600 18G brad nails on a M18™ 12.0 Ah battery pack.

Single turn regulator allows quick and easy adjustment of the pressure to the desired level. Quick connect coupler allows the user to quickly attach and disconnect the hose for increased productivity. The DNA of the FUEL™ platform redefines the balance of cordless technologies.

MILWAUKEE®'s POWERSTATE™ brushless motor, REDLITHIUM™ battery pack and REDLINK PLUS™ electronic intelligence delivering outstanding power, run time and durability.

Airflow (l/min) 48. Max. pressure [bar|PSI] 9.31/ 135 Tank capacity (l) 7.6. Sound pressure level (Lpa) (dB(A)) 68. Weight with battery pack (EPTA) (kg) 15.7 (M18 HB12)

Battery and charger not included.

PART NO.	DESCRIPTION
P09-0540	MILWAUKEE M18 FAC-0 FUEL AIR COMPRESSOR

MILWAUKEE 18V LI-ION REDLITHIUM BATTERIES AND CHARGERS

A) Milwaukee M18 18V Li-Ion RedLithium Battery 5.0Ah

Durable metal frame battery construction with shock-responsive separators preventing pack failure from excessive vibrations or drops.

B) Milwaukee M18 18V HIgh Output Li-Ion RedLithium Battery 8.0Ah

The new M18™ 8.0 Ah HIGH OUTPUT™ battery pack provides up to 50% more power vs M18™ REDLITHIUM™ battery packs.

C) Milwaukee M18 18V High Output Li-Ion RedLithium Battery 12.0Ah

The new M18™ 12.0 Ah HIGH OUTPUT™ battery pack provides up to 50% more power vs M18™ REDLITHIUM™ battery packs.

D) Milwaukee M18 DFC M18 Dual Bay Rapid Charger

Charges MILWAUKEE® batteries on the go, perfect for tradesmen and other professionals to re-charge their batteries using conventional 12V sockets.

E) Milwaukee M12-18 Car Charger

Charges MILWAUKEE® batteries on the go, perfect for tradesmen and other professionals to re-charge their batteries using conventional 12V sockets.

PART NO.	DESCRIPTION
P09-0541	A) M18 18V LI-ION REDLITHIUM BATTERY 5.0AH
P09-0542	B) M18 18V HIGH OUTPUT LI-ION REDLITHIUM BATTERY 8.0AH
P09-0543	C) M18 18V HIGH OUTPUT LI-ION REDLITHIUM BATTERY 12.0AH
P09-0544	D) M18 DFC M18 DUAL BAY RAPID CHARGER
P09-1015	E) M12-18 CAR CHARGER

MILWAUKEE MX FUEL MXFCOS350-0 350MM CUT-OFF SAW

The world's first 350 mm battery powered cut-off saw to deliver the power to cut reinforced concrete with a full 350 mm cut capacity.

Faster cuts, start to finish: 3 second push button start up eliminates the need to mix petrol and oil, and avoids petrol engine maintenance.

No petrol headaches: Can be used indoors due to zero fume emissions. Petrol-equivalent performance with a maximum no-load speed of 5370 rpm and a full 125 mm depth of cut.

Quieter than other petrol equivalent saws, with a low engine vibration and well-balanced weight.

Keyless adjustable blade guard & on-board water line for wet cutting which is compatible with the M18™ SWITCH TANK™ interchangeable sprayer and water supply system.

Separately available cut-off saw cart MXF COSC to maintain straight cuts. Building on the strengths of the FUEL™ technology,

MX FUEL™ system reaches new levels of cordless performance.

Focused on petrol performance, these tools deliver without the hazards associated with emissions, noise, vibration, and the frustrations of petrol maintenance.

ONE-KEY™ tool tracking & security offers a free of charge cloud-based tracking network and inventory management platform for your tools. ONE-KEY™ also features a remote locking functionality.

Supplied with HUDD 350 mm diamond blade (4932471985), contractor bag for batteries and charger.

- Blade diameter (mm) 350
- Bore size (mm) 20/ 25.4
- Cutting depth (mm) 125
- No load speed (rpm) 5370.

Milwaukee part number MXFCOS350-0

Battery and charger not included.

C) Milwaukee MX Fuel 350mm Cut-Off Saw Cart
Light weight 350 mm cut-off saw cart to maintain straight cuts with full 125 mm depth of cut capacity.

D) Milwaukee M18 Switch Water Tank
Water sprayer tank for efficient water delivery for concrete cutting and coring applications.

PART NO.	DESCRIPTION
P09-0546	1) MX FUEL MXFCOS350-0 350MM CUT-OFF SAW - BARE UNIT
P09-1024	2) MX FUEL 350MM CUT-OFF SAW KIT WITH 2X 6.0AH BATTERIES & CHARGER
P09-0547	3) MX FUEL 350MM CUT-OFF SAW CART
P09-0548	4) M18 SWITCH WATER TANK

MILWAUKEE MX FUEL MXFDH2528H-0 25 KG CLASS 28MM HEX DEMOLITION HAMMER

The industry's first cordless 28 mm Hex demolition hammer, delivering the power of petrol, corded and pneumatic. Heavy Duty hammer provides 64 blow Joules of impact energy for the toughest demolition applications. Floating body anti-vibration technologies allows the user to work all day without reaching dangerous exposure levels.

Low 5.17 m/s² vibrations for over 7 hrs (HAVS) non-stop productivity.

Fast material removal at 1300 BPM, providing maximum productivity in all applications. Breaks up to 2 tons of concrete or a 12 m (20 cm deep and 30 cm wide) trench on 1 x MXF XC406 battery.

AC-equivalent tool life and service friendly with an integrated service indicator light alerting the user every 40 hours to add grease.Building on the strengths of the FUEL™ technology, MX FUEL™ system reaches new levels of cordless performance.

Focused on petrol performance, these tools deliver without the hazards associated with emissions, noise, vibration, and the frustrations of petrol maintenance.

ONE-KEY™ tool tracking & security offers a free of charge cloud-based tracking network and inventory management platform for your tools. ONE-KEY™ also features a remote locking functionality

Separately available trolley DHT MXF with 4 chisel storage locations, charger and battery storage, and hammer retention strap to easily transport the tool on the jobsite.

Battery and charger not included.

C) Milwaukee MXFDHT MX FUEL Demolition Hammer Trolley

PART NO.	DESCRIPTION
P09-0549	A) MILWAUKEE MX FUEL MXFDH2528H-0 25 KG CLASS 28MM HEX DEMOLITION HAMMER – BARE UNIT
P09-1025	B) MILWAUKEE MX FUEL 28MM HEX DEMOLITION HAMMER KIT WITH 2X 6.0AH BATTERIES & CHARGER
P09-1026	C) MILWAUKEE MXFDHT MX FUEL DEMOLITION HAMMER TROLLEY

MILWAUKEE MX FUEL XF DCD150-0C 150MM DIAMOND CORE DRILL

Core with confidence by delivering AC performance with a maximum core diameter capacity of 152 mm wet & dry. 2 speed gearing for a wide range of applications, with laser etched speed and capacity markings into the metal body.

Speed 1: up to 75 mm diameter wet & dry coring at 1600 rpm

Speed 2: 76 to 152 mm diameter wet & dry coring 800 rpm

Patented AUTOSTOP™ clutch provides best in class protection, preventing over rotating when losing control or incase of a stuck core.

C) Milwaukee M18 Switch Water Tank

Water sprayer tank for efficient water delivery for concrete cutting and coring applications.

D) Milwaukee MX Diamond Core Drill Stand

Height-adjustable insulated drive handle and easy to reach depth adjustment handle to facilitate one-handed operation.

Universal hinged motor clamp with 60 mm collar diameter.

Tool-free machine and watertank attachment compatible with M18™ SWITCH TANK™ 15 l water supply.

FOR WET DIAMOND CORE CUTTERS SEE PAGE 286

PART NO.	DESCRIPTION
P09-0550	A) MILWAUKEE MX FUEL XF DCD150-0C 150MM DIAMOND CORE DRILL - BARE UNIT
P09-1027	B) MILWAUKEE MX FUEL 150MM CORE DRILL KIT WITH 2X 3.0AH BATTERIES AND CHARGER
P09-0548	C) MILWAUKEE M18 SWITCH WATER TANK
P09-1035	D) MILWAUKEE MX DIAMOND CORE DRILL STAND

MILWAUKEE MX FUEL CARRY-ON POWER SUPPLY 240V

Building on the strengths of the FUEL™ technology, MX FUEL™ system reaches new levels of cordless performance.

Focused on petrol, corded and pneumatic performance, these tools deliver without the hazards associated with emissions, noise, vibration, tripping hazards and the frustrations of complex maintenance.

Provides 3,600 peak watts and 1,800 continuous watts output of pure sine inverter energy, powering everything from high demand 16A tools to sensitive electronics.

No emissions and quiet operation allow users to use it safely indoors.

Battery powered generator eliminates the cost of petrol, maintenance, reducing downtime and increasing jobsite productivity.

Built-in charger gives users the freedom to charge any MX FUEL™ batteries in the AC mode.

ONE-KEY™ tool tracking & security offers a free of charge cloud-based tracking network and inventory management platform for your tools. ONE-KEY™ also features a remote locking functionality.

Robust roll cage design provides durability for outdoor jobsite use.

Operates with one, or two batteries for extended run time.

Product should not be used in bad weather conditions.

Article Number 4933479268, 4933479267

Battery type: Li-ion

Continuous Wattage: [W] 1800.0

Kit included:
- 2 x MXF XC406 Battery packs, Integrated charger
- Running Power [W] 1,800
- Weight with battery pack (EPTA) (kg): 28.2 (2 x MXF XC406)

PART NO.	DESCRIPTION
P09-0551	MILWAUKEE MX FUEL CARRY-ON POWER SUPPLY 240V

MILWAUKEE MX FUEL REDLITHIUM BATTERIES AND CHARGERS

A) Milwaukee MX FUEL REDLITHIUM 3.0Ah Battery

B) Milwaukee MX FUEL REDLITHIUM 6.0Ah Battery

MX FUEL™ REDLITHIUM™ batteries leverage the bestperforming and highest-quality lithium-ion technology.

Delivering AC power in a compact and portable battery pack, allowing users to work in areas where power cords struggle to reach. MX FUEL™ REDLITHIUM™ batteries utilise unique designs to protect against drops, vibration, water, and extreme temperatures.

Operates down to -28.0° temperature.

C) Milwaukee MX Fuel Charger 110v

The Milwaukee MX FUEL Charger 110v charges an MXF CP203 battery pack in 55 minutes and an MXF XC406 battery pack in 90 minutes.

D) Milwaukee MX FUEL Charger 240v

The Milwaukee MX FUEL Charger 240v charges an MXF CP203 battery pack in 55 minutes and an MXF XC406 battery pack in 90 minutes.

PART NO.	DESCRIPTION
P09-0552	A) MILWAUKEE MX FUEL REDLITHIUM 3.0AH BATTERY
P09-0553	B) MILWAUKEE MX FUEL REDLITHIUM 6.0AH BATTERY
P09-1033	C) MILWAUKEE MX FUEL CHARGER 110V
09-0554	D) MILWAUKEE MX FUEL CHARGER 240V

CIVILS & SITE EQUIPMENT

BOSCH 35 PIECE MASONRY DRILL & SCREWDRIVER BIT SET

This handy comprehensive screwdriver bit set comes in a hard plastic case. Includes six CYL-3 impact-resistant hammer drill bits offering guaranteed longer life in concrete, and extremely bend-resistant properties.

Comprising:

- Drill Bits - 3mm, 4mm, 5mm, 5.5mm, 6mm, 8mm
- Nutsetters - 8mm, 10mm, 13mm
- 25mm Philips Bits - PH1, PH2, PH3
- 25mm Pozidrive Bits - PZ1, PZ2, PZ3
- 25mm Slotted Bits - S3, S4, S5, S6
- 25mm HEX Bits - 3mm, 4mm, 5mm, 6mm
- 25mm Torx Bits - 10, 15, 20, 20, 25, 27, 30, 40
- 60mm Double Ended Bits - PH2/PZ2, T20/T25
- Magnetic Bit Holder
- Quick Release Bit Holder

PART NO.	DESCRIPTION
F70-4812	BOSCH 35 PIECE MASONRY DRILL & SCREWDRIVER BIT SET

MAKITA DRILL & SCREWDRIVER BIT ACCESSORY SET - 100 PIECE

PART NO.	DESCRIPTION
P09-4259	MAKITA DRILL & SCREWDRIVER BIT ACCESSORY SET - 100 PIECE

BOSCH 103 PIECE DRILL AND SCREWDRIVER BIT SET

Titanium drills and tough screwdriver bits covers all general applications for impact driving, drilling and screwdriving.

PART NO.	DESCRIPTION
P09-1549	BOSCH 103 PIECE DRILL AND SCREWDRIVER BIT SET

KEYED AND KEYLESS 13MM CHUCKS WITH S.D.S ADAPTOR

A) P09-1039 13mm Keyed Chuck and Key

B) P09-9906 13mm Keyless Chuck

C) P09-1041 13mm Keyless Chuck C/W S.D.S Adaptor

PART NO.	DESCRIPTION
P09-1039	A) 13MM KEYED CHUCK AND KEY
P09-9906	B) 13MM KEYLESS CHUCK
P09-1041	C) 13MM KEYLESS CHUCK C/W S.D.S ADAPTOR

POWER TOOL SQUARE DRIVE ADAPTORS

A) S.D.S Adaptor x ¼" Square Drive Adaptor

B) S.D.S Adaptor x 1/2" Square Drive Adaptor

C) ¼" Hexagon Adaptor suitable for drills with standard 3 jaw chucks x 1/2" Square Drive Adaptor

PART NO.	DESCRIPTION
F70-5010	A) S.D.S ADAPTOR X ¼" SQUARE DRIVE ADAPTOR
G70-1770	B) S.D.S ADAPTOR X 1/2" SQUARE DRIVE ADAPTOR
G70-1769	C) ¼" HEXAGON ADAPTOR SUITABLE FOR DRILLS

S.D.S PLUS CHISELS AND POINTS

For general chiselling and demolition work in masonry, concrete and stone with light rotary hammers and breakers.

Long Life with 30% longer lifetime

15% higher material removal rate

250mm 10" length overall
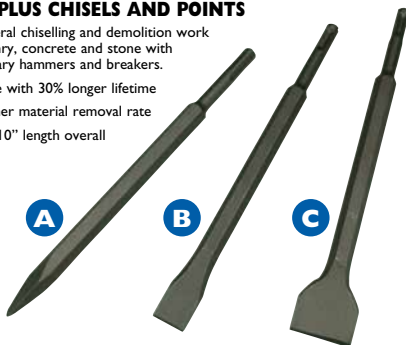
PART NO.	DESCRIPTION
N09-3520	A) 10" POINT S.D.S PLUS
N09-3521	B) 10" X 1" CHISEL S.D.S PLUS
N09-3522	C) 10" X 11/2" SPADE CHISEL S.D.S PLUS

5 PIECE S.D.S DRILL SET IN SHELLCASE 5-10MM

Hardened with a tungsten carbide tip, these twin flute design S.D.S+ drills provide faster waste removal. Sandblasted finish. Professional quality S.D.S Shank Masonry Drill. Mills S.D.S Premium Drill Bits are fully hardened, high performance, hammer drill bits for use in granite, concrete, masonry, tiles, etc.

This drill bit will fit in drill machines with an S.D.S+ chuck only.

Sizes quoted are Diameter x Overall Length. Supplied in shellcase and comprising:

- 5.0 x 110mm S.D.S Drill
- 6.0 x 110mm S.D.S Drill
- 7.0 x 160mm S.D.S Drill
- 8.0 x 160mm S.D.S Drill
- 10.0 x 160mm S.D.S Drill

PART NO.	DESCRIPTION
N36-5029	5 PIECE S.D.S DRILL SET IN SHELLCASE 5-10MM

12 PIECE S.D.S PLUS DRILL & STEEL SET

A 15-piece S.D.S set housed in a sturdy plastic carry case. The set comprises:

Drill Bits:
5.5, 6, 6.5, 7, 8 and 10 x 160mm 10, 12 and 16 x 260mm

Chisels:
- 1 x wide
- 1 x point
- 1 x flat
- 1 x groove

PART NO.	DESCRIPTION
N36-1285	12 PIECE S.D.S PLUS DRILL & STEEL SET

S.D.S CHANNELING CHISEL

Ideal for rapid chasing in Thermalite and soft brick - S.D.S Tool fitting - available in 30mm and 55mm widths.

- 25mm cutting depth
- Cranked shaft for ease of operation
- S.D.S. toolfitting

N.B. Roto stop machines only

PART NO.	DESCRIPTION
N99-5000	30MM S.D.S CHANNELING CHISEL
N99-7700	55MM S.D.S CHANNELING CHISEL

PROFESSIONAL QUALITY S.D.S SHANK MASONRY DRILLS

Mills S.D.S Premium Drill Bits are fully hardened, high performance, hammer drill bits with tungsten carbide tips and an S.D.S+ shank. For use in granite, concrete, masonry, tiles, etc. This drill bit will fit in drill machines with an S.D.S+ chuck only.

Sizes quoted are:
Diameter x Overall Length.

PART NO.	DESCRIPTION
N36-1110	3.0 X 110MM S.D.S MASONRY DRILL
N36-1116	3.5 X 110MM S.D.S MASONRY DRILL
N36-1590	4.0 X 110MM S.D.S MASONRY DRILL
N36-1118	5.0 X 110MM S.D.S MASONRY DRILL (NO. 8)
N36-1861	5.0 X 160MM S.D.S MASONRY DRILL (NO. 8)
N77-0540	5.5 X 110MM S.D.S MASONRY DRILL (NO. 10)
N77-0539	5.5 X 160MM S.D.S MASONRY DRILL (NO. 10)
N36-1121	6.0 X 110MM S.D.S MASONRY DRILL
N36-1122	6.0 X 160MM S.D.S MASONRY DRILL
N36-5005	6.0 X 450MM S.D.S MASONRY DRILL
N36-1123	6.5 X 110MM S.D.S MASONRY DRILL (NO. 12)
N36-1124	6.5 X 160MM S.D.S MASONRY DRILL (NO. 12)
N36-8161	7.0 X 160MM S.D.S MASONRY DRILL (NO. 14)
N36-1187	7.0 X 210MM S.D.S MASONRY DRILL
N77-0664	8.0 X 110MM S.D.S MASONRY DRILL
N36-1127	8.0 X 160MM S.D.S MASONRY DRILL
N36-1863	8.0 X 260MM S.D.S MASONRY DRILL
N77-0531	8.0 X 450MM S.D.S MASONRY DRILL
N36-1129	10.0 X 160MM S.D.S MASONRY DRILL
N36-1130	10.0 X 260MM S.D.S MASONRY DRILL
N77-0541	10.0 X 450MM S.D.S MASONRY DRILL
N77-0542	10.0 X 600MM S.D.S MASONRY DRILL
N77-0533	10.0 X 1000MM S.D.S MASONRY DRILL
N36-1592	10.0 X 1400MM S.D.S MASONRY DRILL
N36-1591	12.0 X 160MM S.D.S MASONRY DRILL
N36-1132	12.0 X 260MM S.D.S MASONRY DRILL
N77-0537	12.0 X 450MM S.D.S MASONRY DRILL
N36-1192	12.0 X 600MM S.D.S MASONRY DRILL
N36-1865	12.0 X 1000MM S.D.S MASONRY DRILL
N36-1593	12.0 X 1400MM S.D.S MASONRY DRILL
N36-1136	14.0 X 260MM S.D.S MASONRY DRILL
N77-0544	14.0 X 450MM S.D.S MASONRY DRILL
N77-0532	14.0 X 600MM S.D.S MASONRY DRILL
N36-1866	14.0 X 1000MM S.D.S MASONRY DRILL
N36-1594	14.0 X 1400MM S.D.S MASONRY DRILL
N36-1139	16.0 X 200MM S.D.S MASONRY DRILL
N77-0538	16.0 X 450MM S.D.S MASONRY DRILL
N77-0543	16.0 X 600MM S.D.S MASONRY DRILL
N77-0534	16.0 X 1000MM S.D.S MASONRY DRILL
N36-1595	16.0 X 1400MM S.D.S MASONRY DRILL
N36-1112	18.0 X 450MM S.D.S MASONRY DRILL
N77-0535	18.0 X 600MM S.D.S MASONRY DRILL
N36-1142	20.0 X 200MM S.D.S MASONRY DRILL
N36-1143	20.0 X 450MM S.D.S MASONRY DRILL
N36-1196	20.0 X 600MM S.D.S MASONRY DRILL
N36-1868	20.0 X 1000MM S.D.S MASONRY DRILL
N36-1869	22.0 X 250MM S.D.S MASONRY DRILL
N36-1870	22.0 X 450MM S.D.S MASONRY DRILL
N36-1871	22.0 X 600MM S.D.S MASONRY DRILL
N36-1873	25.0 X 250MM S.D.S MASONRY DRILL
N36-1144	25.0 X 450MM S.D.S MASONRY DRILL
N36-1874	25.0 X 1000MM S.D.S MASONRY DRILL

CIVILS & SITE EQUIPMENT
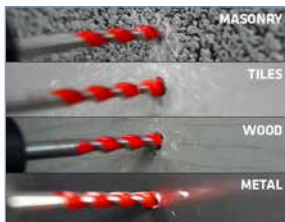
SDS PLUS MULTICUT MULTIPURPOSE DRILLS

An ideal alternative to an SDS wood auger, and more forgiving if you encounter masonry or metal whilst drilling – ensure your power tool is switched to rotary use only when using these universal bits.

For precision rotary drilling in tiles, natural stone, metal, wood and plastics.

Features: Carbide tip: Extra sharp cutting edges, so very well suited for metal too. Patented 4-step profile: Fast drill dust feed when drilling into masonry and concrete.

Shank: SDS+

Available in total length of 450mm from 6.5mm to 20mm

MASONRY

TILES

WOOD

METAL

PART NO.	DESCRIPTION
N36-8170	SDS PLUS MULTICUT MULTIPURPOSE DRILL 6.5 X 450MM
N36-8171	SDS PLUS MULTICUT MULTIPURPOSE DRILL 8.0 X 450MM
N36-8172	SDS PLUS MULTICUT MULTIPURPOSE DRILL 10.0 X 450MM
N36-8173	SDS PLUS MULTICUT MULTIPURPOSE DRILL 12.0 X 450MM
N36-8174	SDS PLUS MULTICUT MULTIPURPOSE DRILL 14.0 X 450MM
N36-8175	SDS PLUS MULTICUT MULTIPURPOSE DRILL 16.0 X 450MM
N36-8176	SDS PLUS MULTICUT MULTIPURPOSE DRILL 18.0 X 450MM
N36-8177	SDS PLUS MULTICUT MULTIPURPOSE DRILL 20.0 X 450MM

SDS MAX MASONRY DRILL BIT (4 HEAD TIPS)

High quality 4 head tipped range of SDS Max Drill Bits Unique Cross Head ensures all 4 cutting edges work at the same time to provide a smoother drilling action

Perfect for heavy duty, large diameter and deep hole drilling.

Diameter Range 16-40mm in length from 390mm to 570mm

PART NO.	DESCRIPTION
N36-1000	SDS MAX MASONRY DRILL BIT - 16MM X 390MM
N36-1001	SDS MAX MASONRY DRILL BIT - 16MM X 540MM
N36-1002	SDS MAX MASONRY DRILL BIT - 18MM X 390MM
N36-1003	SDS MAX MASONRY DRILL BIT - 18MM X 540MM
N36-1004	SDS MAX MASONRY DRILL BIT - 20MM X 370MM
N36-1005	SDS MAX MASONRY DRILL BIT - 20MM X 520MM
N36-1006	SDS MAX MASONRY DRILL BIT - 22MM X 370MM
N36-1007	SDS MAX MASONRY DRILL BIT - 22MM X 520MM
N36-1008	SDS MAX MASONRY DRILL BIT - 25MM X 370MM
N36-1009	SDS MAX MASONRY DRILL BIT - 25MM X 520MM
N36-1010	SDS MAX MASONRY DRILL BIT - 28MM X 570MM
N36-1011	SDS MAX MASONRY DRILL BIT - 30MM X 570MM
N36-1012	SDS MAX MASONRY DRILL BIT - 32MM X 570MM
N36-1013	SDS MAX MASONRY DRILL BIT - 35MM X 570MM
N36-1014	SDS MAX MASONRY DRILL BIT - 38MM X 570MM
N36-1015	SDS MAX MASONRY DRILL BIT - 40MM X 570MM

A) EARTH ROD PRO DRIVER SDS PLUS
B) EARTH ROD PRO BIT

The Linian Earth Rod Pro has two components – the R02-1428 (A) Reusable SDS+ Driver (SDS Max option also available on request), and the R02-1429 (B) sacrificial tip bit. Simply attach the Earth Rod Pro Driver to one end of a copper earth rod and attach the Earth Rod Pro Bit directly to the other end of the earth rod.

Using an SDS drill, the rod can then be rapidly installed directly into the ground.

PART NO.	DESCRIPTION
R02-1428	EARTH ROD PRO DRIVER SDS PLUS
R02-1429	EARTH ROD PRO BIT

SDS MAX CHISEL BITS

PART NO.	DESCRIPTION
N09-1763	A) 15 INCH POINT SDS MAX
N09-1764	B) 15 INCH X 1 INCH CHISEL SDS MAX
N09-4263	C) 15 INCH X 2 INCH CHISEL SDS MAX
N09-1765	D) 15 INCH X 3 INCH BOLSTER SDS MAX
P09-3969	E) BOSCH SDS MAX TOOTHED CHISEL - 32MM X 300MM
N09-4264	F) CLAY SPADE S.D.S. MAX

HIGH QUALITY STRAIGHT SHANK MASONRY DRILLS

Tungsten carbide tip, long life masonry drill bit with milled flutes for percussion and rotary drilling in concrete, brick and natural stone. DIN ISO 5468. Sizes quoted are for Diameter x Overall Length.

STANDARD SERIES MASONRY DRILLS

PART NO.	DESCRIPTION
N36-1171	5.0MM MASONRY DRILL (NO. 8)
N36-1172	5.5MM MASONRY DRILL (NO. 10)
N36-1173	6.0MM MASONRY DRILL
N36-1174	6.5MM MASONRY DRILL (NO. 12)
N36-1175	7.0MM MASONRY DRILL (NO. 14)
N36-1176	8.0MM MASONRY DRILL
N36-1178	10.0MM MASONRY DRILL

STRAIGHT SHANK LONG SERIES MASONRY DRILLS

PART NO.	DESCRIPTION
N36-1180	8.0MM X 300MM MASONRY DRILL
N36-1184	13.0MM X 400MM MASONRY DRILL
N36-1185	16.0MM X 300MM MASONRY DRILL
N36-1186	20.0MM X 400MM MASONRY DRILL

MASONRY AND MIXED DRILL SETS

A) Comprising: 4, 5, 5.5, 6.5, 7mm masonry drills in plastic storage case.

B) Set of 15 popular steel, wood & masonry drills covering 3.4.5.6 and 8mm.

PART NO.	DESCRIPTION
N36-5028	A) MASONRY DRILL SET 5 PIECE
N63-1065	B) BOSCH MIXBOX SET 15 PIECE

BOSCH 4 PIECE MULTIPURPOSE DRILL BIT SET

Innovative drill bit for steel, wood, masonry, uPVC, ceramics and concrete.

Diamond-ground cutting edges allow fast drilling even in hard materials, prolonging battery life of a cordless drill.

Tough head construction gives long life in rotary and impact mode.

Contains 5.5, 6, 7 and 8mm drill bits.

PART NO.	DESCRIPTION
N36-4735	4 PIECE MULTIPURPOSE DRILL BIT SET 5.5-8MM

QUALITY HIGH SPEED WOOD AUGERS

Fast drilling rate due to optimised flute geometry. With threaded centring tip, one main spur & one pre-cutting spur. Precision ground for accurate dimensional stability when drilling. Hexagonal shank can be used in all drills with 13mm chuck. For use with power tools & available in 235mm overall length.

PART NO.	DESCRIPTION
N36-1162	6 X 235MM WOOD AUGER
N36-1163	8 X 235MM WOOD AUGER
N36-1164	10 X 235MM WOOD AUGER
N36-1165	12 X 235MM WOOD AUGER
N36-1166	14 X 235MM WOOD AUGER
N36-1167	16 X 235MM WOOD AUGER
N36-5019	20 X 235MM WOOD AUGER
N36-5020	25 X 235MM WOOD AUGER

HIGH SPEED WOOD AUGERS S.D.S

Fast drilling rate due to optimised flute geometry. With threaded centring tip, one main spur & one pre-cutting spur. Precision ground for accurate dimensional stability when drilling. Available with S.D.S. shank 205mm and 400mm overall length.
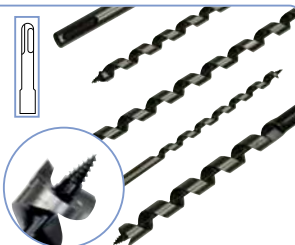
PART NO.	DESCRIPTION
N36-1709	6 X 205MM S.D.S AUGER
N36-1710	8 X 205MM S.D.S AUGER
N36-1711	10 X 205MM S.D.S AUGER
N36-1712	12 X 205MM S.D.S AUGER
N36-1713	16 X 205MM S.D.S AUGER
N36-5021	20 X 205MM S.D.S AUGER
N36-5022	25 X 205MM S.D.S AUGER
400MM EXTRA LENGTH AUGERS	
N36-5024	12 X 400MM S.D.S AUGER
N36-5025	16 X 400MM S.D.S AUGER

8 PIECE COMBINATION AUGER BIT SET 6-25MM

Comprising sizes: 6mm, 8mm, 10mm, 13mm, 16mm, 19mm, 22mm, 25mm.

PART NO.	DESCRIPTION
N36-1597	8 PIECE COMBINATION AUGER BIT SET 6-25MM

FLAT BITS

All bits have a precision ground point and cutting surfaces with extended spurs for faster cutting. All sizes except the 6mm have a non-slip hexagonal shank with a locking mechanism compatible with adaptors or chucks with a built-in quick-release feature.

Made to DIN 3126 quality with 1/4in hexagonal non-slip shaft.

PART NO.	DESCRIPTION
N36-7388	A) FLAT BIT 18MM X 152MM
N36-7389	B) FLAT BIT 25MM X 152MM
N36-7390	C) FLAT BIT 30MM X 152MM

BOSCH 6 PIECE SELFCUT FLAT SPADE WOOD BIT SET IN WALLET 13-25MM

Designed to perform fast, clean cuts, and will bore all types of timber with equal efficiency when drilling with or against the grain. All bits have a precision ground point and cutting surfaces with extended spurs for faster cutting. Ideal for use with both mains or cordless drills.

Made to DIN 3126 quality with 1/4in hexagonal non-slip shaft.

Overall Length: 152 mm

Available in:
18mm, 25mm and 30mm Cutting Sizes

PART NO.	DESCRIPTION
N36-7482	BOSCH 6 PIECE SELFCUT FLAT SPADE WOOD BIT SET IN WALLET 13-25MM

BOSCH 6 PIECE SELFCUT SPEED SPADE DRILL BIT SET 13, 16, 19, 20, 22, 25MM

Self-Cut Speed Spade Bit (Flat Bits) performs extremely fast hole drilling. Its self-feeding threaded tip enables the drill bit to effortlessly pull itself into the wood making it up to 3 x faster than a standard spade bit, it is suitable for use on soft and hard wood, light building materials and plasterboard. This spade bit has a 1/4-inch (6mm) hex shank system and it is best for use with portable power drills.

Set Includes: 13, 16, 19, 20, 22, 25mm x 152mm long, with quick chuck fitment.

PART NO.	DESCRIPTION
N36-1115	BOSCH 6 PIECE SELFCUT SPEED SPADE DRILL BIT SET 13, 16, 19, 20, 22, 25MM

BOSCH 9 PIECE HSS BI METAL PROGRESSOR HOLESAW KIT

9 Piece HSS bi-metal construction with 8% cobalt alloy for high cutting performance and fast chip clearance.

Supplied with quick change adapter (mandrel) for fast and safe attachment and release of the pilot drill bit and holesaw with just one click.

Supplied in kit box containing;
6 x Holesaws
- 20, 25, 32, 38, 51 and 64mm
1 x Quick Change adapter
2 x HSS-G pilot drill bits

PART NO.	DESCRIPTION
N36-4592	BOSCH 9 PIECE HSS BI METAL PROGRESSOR HOLESAW KIT

BOSCH 14 PIECE HOLESAW SET 19-76MM

14 Piece HSS bi-metal construction with 8% cobalt alloy for high cutting performance and fast chip clearance.

Supplied with quick change adapter (mandrel) for fast and safe attachment and release of the pilot drill bit and holesaw with just one click.

Supplied in kit box containing;
11x Holesaws – 19, 22, 25,29, 35, 38, 44, 51, 57, 64 and 76
1 x Quick Change adapter
2 x HSS-G pilot drill bits

PART NO.	DESCRIPTION
N36-2095	BOSCH 14 PIECE HOLESAW SET 19-76MM

JONARD DBC-1224 BELLHANGER DRILL BIT FOR WOOD & MASONRY 12.7 X 600MM

Designed to drill a 12.7mm (1/2") hole up to a length of 600mm (24") through wood and masonry walls for installing computer, security, phone, and cable small wire systems.

The bit features a feeding hole, so wire can be fed through the hole whilst drilling.

PART NO.	DESCRIPTION
N36-1200	JONARD DBC-1224 BELLHANGER DRILL BIT FOR WOOD & MASONRY 12.7 X 600MM

STARRETT KFC06023 FAST CUT GENERAL PURPOSE HOLESAW SET 22-64MM

Starrett general purpose holesaw set comprising: 22, 29, 35, 44, 51 & 64mm holesaws and 2 arbors supplied in a handy carrying case.

PART NO.	DESCRIPTION
N76-1266	STARRETT KFC06023 FAST CUT GENERAL PURPOSE HOLESAW SET 22-64MM

STARRETT KFC06022 FAST CUT ELECTRICIANS HOLESAW SET 16-51MM

Starrett Electricians holesaw set comprising: 16, 20, 25, 29, 44 & 51mm holesaws and 2 arbors supplied in a handy carrying case.

PART NO.	DESCRIPTION
N76-5030	STARRETT KFC06022 FAST CUT ELECTRICIANS HOLESAW SET 16-51MM

STARRETT HIGH SPEED HOLESAWS

The Starrett Fast Cut Bi-Metal Holesaws combine a new tooth material and a 5.5 TPI/25mm tooth form, with increased resistance to heat and wear.

Specifically suited to cutting stainless and mild steel sheet, they will also cut through tubes with a wall thickness of up to 3mm (1/8in).

Available in sizes from 14mm to 152mm.

PART NO.	DESCRIPTION
N76-1202	14MM HOLESAW (9/16")
N76-1203	16MM HOLESAW (5/8")
N76-1204	17MM HOLESAW (11/16")
N76-1206	20MM HOLESAW (13/16")
N76-1208	22MM HOLESAW (7/8")
N76-1210	25MM HOLESAW (1")
N76-1213	30MM HOLESAW (1 3/16")
N76-1214	32MM HOLESAW (1 1/4")
N76-1216	35MM HOLESAW (1 3/8")
N76-1218	38MM HOLESAW (1 1/2")
N76-1219	40MM HOLESAW (1 5/8")
N76-1222	44MM HOLESAW (1 3/4")
N76-1225	51MM HOLESAW (2")
N76-1229	57MM HOLESAW (2 1/4")
N76-1232	64MM HOLESAW (2 1/2")
N76-1236	70MM HOLESAW (2 3/4")
N76-1238	76MM HOLESAW (3")
N76-1242	89MM HOLESAW (3 1/2")
N76-1246	102MM HOLESAW (4")
N76-1252	127MM HOLESAW (5")
N76-1253	152MM HOLESAW (6")
N76-1255	ARBOR 14 - 30MM 11/32 SHANK
N76-1258	ARBOR 30 - 152MM 11/32 SHANK
N76-1260	ARBOR 30 - 152MM 7/16 SHANK

BOSCH EXPERT CONSTRUCTION MATERIAL HOLESAWS

The Bosch EXPERT Construction Material Carbide Holesaw is a robust hole saw ideal for cutting Softwood, Chipboard, Brick, Soft Tiles, Fibre Plastics, GFK & CFK.

Available in 98mm (N76-1267) and 111mm (N76-1268) for ducting installations.

Working Length: 60mm.

To be used with holesaw arbor P09-0800.

PART NO.	DESCRIPTION
N76-1267	BOSCH EXPERT CONSTRUCTION MATERIAL HOLESAW 98MM
N76-1268	BOSCH EXPERT CONSTRUCTION MATERIAL HOLESAW 111MM

BOSCH EXPERT POWER CHANGE PLUS HOLESAW ARBOR WITH PILOT DRILL

Quick change arbor allowing you to switch holesaws in seconds thanks to Bosch's clever one click arbor.

For use with 98mm (N76-1267) and 111mm (N76-1268) carbide holesaws for ducting installations.

Supplied with TCT Pilot Drill 8.5 x 105 mm (also available separately P09-0801).

PART NO.	DESCRIPTION
P09-0800	BOSCH EXPERT POWER CHANGE PLUS HOLESAW ARBOR WITH 8.5MM PILOT DRILL
P09-0801	BOSCH EXPERT POWER CHANGE PLUS HOLESAW ARBOR WITH 7.15MM PILOT DRILL

Mills EST. 1919

DIAMOND CORE CUTTER KIT 7 PCE

7 Piece Diamond Core Drill Kit for cutting clean holes in brick and concrete blocks. Ideal for plumbing, electrical, engineering installation and general building tasks. All cores are 1/2 inch. BSP threaded with 8mm turbo segments.

Set contains:
- 3 x Diamond Cores with 8mm Turbo Segments: 38mm, 52mm, and 117mm.
- 1 x SDS Plus Extension Adaptor 10mm x 200mm.
- 1 x Hex Extension Adaptor 12mm x 200mm.
- 1 x A-Taper Pilot Drill 10mm x 200mm.
- 1 x Extractor Drift Key.
- 1 x Carry Case.

ROTARY USE ONLY
See website for more details

PART NO.	DESCRIPTION
N36-3060	DIAMOND CORE CUTTER KIT 7 PCE

DIAMOND CORE CUTTER KIT - 11 PIECE

This 11 piece diamond core drill set containing the most popular core sizes used in the UK.

Contents:
- 5 x Diamond Cores with 8mm Turbo Segments, Sizes: 38, 52, 65, 117 and 127mm.
- 1 x SDS Plus Extension Adaptor 10 x 115mm.
- 1 x HEX Extension Adaptor 12 x 88 mm.
- 1 x SDS Plus Extension Adaptor 10 x 240mm.
- 1 x HEX Extension Adaptor 12 x 240mm.
- 1 x A-Taper Pilot Drill 10 x 200mm.
- 1 x Extractor Drift Key.

ROTARY USE ONLY
See website for more details

PART NO.	DESCRIPTION
N36-0597	DIAMOND CORE CUTTER KIT - 11 PIECE

DIAMOND DRY CORE DRILL BIT 65MM

The CorePlus Diamond Dry Core Drill Bit delivers a smooth drilling experience. Its 8mm diamond segments feature a high concentration of premium-grade diamond in the bond, utilizing leading-edge diamond/metal bonding, metallurgy, for long-lasting core life.

A ribbed core body, and V-groove segments, enable the fast clearing of debris, allowing for continuous fast-cutting action, while the aerated core design enhances cooling, and extends core life.

1/2in BSP threaded Drill Bit is compatible with standard core drilling machines, and accessories.

PART NO.	DESCRIPTION
N36-1300	DIAMOND DRY CORE DRILL BIT 65MM
N36-1309	DIAMOND DRY CORE DRILL BIT 22MM
N36-1310	DIAMOND DRY CORE DRILL BIT 28MM
N36-1311	DIAMOND DRY CORE DRILL BIT 32MM
N36-1312	DIAMOND DRY CORE DRILL BIT 38MM
N36-1313	DIAMOND DRY CORE DRILL BIT 48MM
N36-1314	DIAMOND DRY CORE DRILL BIT 52MM
N36-1315	DIAMOND DRY CORE DRILL BIT 78MM
N36-1316	DIAMOND DRY CORE DRILL BIT 91MM
N36-1317	DIAMOND DRY CORE DRILL BIT 102MM
N36-1318	DIAMOND DRY CORE DRILL BIT 107MM
N36-1319	DIAMOND DRY CORE DRILL BIT 117MM
N36-1320	DIAMOND DRY CORE DRILL BIT 127MM
N36-1321	DIAMOND DRY CORE DRILL BIT 152MM
N36-1322	DIAMOND DRY CORE DRILL BIT 157MM
N36-1323	DIAMOND DRY CORE DRILL BIT 162MM
N36-1324	DIAMOND DRY CORE DRILL BIT 182MM
N36-1327	CORE DRILL SDS EXTENSION ADAPTOR 115M (1/2"BSP)
N36-1328	CORE DRILL SDS EXTENSION ADAPTOR 240M (1/2"BSP)
N36-1329	CORE DRILL BIT DRIFT PIN 70MM
N36-1330	CORE DRILL BIT EXTENSION BAR 250MM
N36-1331	CORE DRILL MASONRY STARTER DRILL BIT M10 X 200MM
N36-1332	CORE DRILL HEX EXTENSION ADAPTOR 240MM
N36-1333	CORE DRILL HEX EXTENSION ADAPTOR 88MM

MX FUEL™ THIN KERF WET DIAMOND DRILLING CORES

Standard ½" G reception up to 45 mm, standard 1 ¼" UNC reception from 46 mm to 150 mm. Laser welded segments guarantee against break off. 10 mm segment height for superior life time. Suitable for reinforced concrete. For wet drilling.

PART NO.	DESCRIPTION
N36-0600	WET DIAMOND DRILLING CORE ½ G - 12MM
N36-0601	WET DIAMOND DRILLING CORE ½ G - 14MM
N36-0602	WET DIAMOND DRILLING CORE ½ G - 16MM
N36-0603	WET DIAMOND DRILLING CORE ½ G - 18MM
N36-0604	WET DIAMOND DRILLING CORE ½ G - 20MM
N36-0605	WET DIAMOND DRILLING CORE ½ G - 22MM
N36-0606	WET DIAMOND DRILLING CORE ½ G - 24MM
N36-0607	WET DIAMOND DRILLING CORE ½ G - 25MM
N36-0608	WET DIAMOND DRILLING CORE ½ G - 28MM
N36-0609	WET DIAMOND DRILLING CORE ½ G - 30MM
N36-0610	WET DIAMOND DRILLING CORE ½ G - 32MM
N36-0611	WET DIAMOND DRILLING CORE ½ G - 35MM
N36-0612	WET DIAMOND DRILLING CORE ½ G - 40MM
N36-0613	WET DIAMOND DRILLING CORE 1¼ UNC - 51MM
N36-0614	WET DIAMOND DRILLING CORE 1¼ UNC - 56MM
N36-0615	WET DIAMOND DRILLING CORE 1¼ UNC - 61MM
N36-0616	WET DIAMOND DRILLING CORE 1¼ UNC - 66MM
N36-0617	WET DIAMOND DRILLING CORE 1¼ UNC - 71MM
N36-0618	WET DIAMOND DRILLING CORE 1¼ UNC - 76MM
N36-0619	WET DIAMOND DRILLING CORE 1¼ UNC - 81MM
N36-0620	WET DIAMOND DRILLING CORE 1¼ UNC - 86MM
N36-0621	WET DIAMOND DRILLING CORE 1¼ UNC - 91MM
N36-0622	WET DIAMOND DRILLING CORE 1¼ UNC - 101MM
N36-0623	WET DIAMOND DRILLING CORE 1¼ UNC - 105MM
N36-0624	WET DIAMOND DRILLING CORE 1¼ UNC - 111MM
N36-0625	WET DIAMOND DRILLING CORE 1¼ UNC - 121MM
N36-0626	WET DIAMOND DRILLING CORE 1¼ UNC - 130MM
N36-0627	WET DIAMOND DRILLING CORE 1¼ UNC - 140MM
N36-0628	WET DIAMOND DRILLING CORE 1¼ UNC - 150MM

HIGH SPEED TWIST DRILLS

Industrial grade metric drill bit in high speed HSS steel for accurate and easy drilling of all metals, special and hardened steels and alloys.

The jobber drills comply with BS328, Din338 and ISO 235/1.

PART NO.	DESCRIPTION
N63-3000	1.0MM TWIST DRILL
N63-3001	1.5MM TWIST DRILL
N63-3002	2.0MM TWIST DRILL
N63-3003	2.5MM TWIST DRILL
N63-3004	3.0MM TWIST DRILL
N63-3005	3.5MM TWIST DRILL
N63-3006	4.0MM TWIST DRILL
N63-3007	4.5MM TWIST DRILL
N63-3008	5.0MM TWIST DRILL
N63-1009	5.5MM TWIST DRILL
N63-1010	6.0MM TWIST DRILL
N63-1011	6.5MM TWIST DRILL
N63-1012	7.0MM TWIST DRILL
N63-1013	7.5MM TWIST DRILL
N63-1014	8.0MM TWIST DRILL
N63-1015	8.5MM TWIST DRILL
N63-1016	9.0MM TWIST DRILL
N63-1017	9.5MM TWIST DRILL
N63-1018	10.0MM TWIST DRILL
N63-1019	10.5MM TWIST DRILL
N63-1020	11.0MM TWIST DRILL
N63-1021	11.5MM TWIST DRILL
N63-1022	12.0MM TWIST DRILL
N63-1023	12.5MM TWIST DRILL
N63-1024	13.0MM TWIST DRILL

DEWALT EXTREME 2 DRILL BIT 3MM

The NEW EXTREME 2™ Metal drill bit designed to maximise drill performance.
- Faster drilling - up to 4x faster than standard HSS-R drill bits.
- Increased durability - up to 50% stronger than standard HSS-R drill bits.
- Cleaner, more accurate, burr-free holes due to recessed cutting wings.
- Gold Ferrous Oxide coating prevents overheating for longer bit life.

Available in 3,5,8,10 and 13mm.

PART NO.	DESCRIPTION
N36-1995	DEWALT EXTREME 2 DRILL BIT 3MM
N36-1996	DEWALT EXTREME 2 DRILL BIT 5MM
N36-1997	DEWALT EXTREME 2 DRILL BIT 8MM
N36-1998	DEWALT EXTREME 2 DRILL BIT 10MM
N36-1999	DEWALT EXTREME 2 DRILL BIT 13MM

HSS COBALT 18PC DRILL BIT SET (1-10MM) IN ROBUST STEEL CASE

Contains sizes 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5 and 10.0mm.

PART NO.	DESCRIPTION
N36-7520	HSS COBALT 18PC DRILL BIT SET (1-10MM)

HSS DRILL BIT SETS

A range of three popular HSS drill bit sets in robust cases. Industrial grade metric drill bit in high speed HSS steel for accurate and easy drilling of all metals, special and hardened steels and alloys.

The jobber drills comply with BS328, Din338 and ISO 235/1.

A) HSS 18pc drill bit set (1-10mm) in robust 'Toughbox' case. Contains sizes 1, 1.5, 2.5, 3.5, 4.5, 5, 5.5, 6, 7, 8, 9, 10 and 2 x (2, 3 and 4mm).

B) HSS 19pc drill bit set (1-10mm) in robust 'Toughbox' case. Contains sizes 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5 and 10.0mm.

C) HSS 19pc drill bit set (1-10mm) in robust steel case. Contains sizes 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5 and 10.0mm.

D) HSS 25pc drill bit set (1-13mm) in robust steel case. Sizes: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5 and 13mm.

E) HSS 13pc drill bit set (1.5-6.5mm) in robust steel case. Contains sizes 1.5, 2.0, 2.5, 3.0, 3.2, 3.5, 4.0, 4.5, 4.8, 5.0, 5.5, 6.0 and 6.5mm.

PART NO.	DESCRIPTION
N36-4736	A) HSS 18 PC DRILL BIT SET (1-10MM)
N36-7496	B) HSS 19PC DRILL BIT SET (1-10MM)
N36-5018	C) HSS 19PC DRILL BIT SET (1-10MM)
N36-3516	D) HSS 25PC DRILL BIT SET (1-13MM)
N36-7448	E) HSS 13PC DRILL BIT SET (1.5-6.5MM)

HSS COBALT TWIST DRILL BIT SETS

The HSS Twist Drill Bit Cobalt provides long-lasting performance when drilling stainless steel. This drill bit works with alloyed and non-alloyed steel, stainless steel, cast iron, cast steel and acid- and heat-resistant steels.

The HSS Twist Drill Bit Cobalt is manufactured to DIN 338. The drill bit is Type N (flute angle) with a 135-degree tip providing centring without wandering.

A) HSS Cobalt 25pc drill bit set (1-13mm) in robust steel case

Contains sizes 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5 and 13.0mm

B) HSS Cobalt 13pc drill bit set (1.5-6.5mm) in robust steel case

Contains sizes 1.5, 2, 2.5, 3, 3.2, 3.5, 4, 4.5, 4.8, 5, 5.5, 6 and 6.5mm

PART NO.	DESCRIPTION
N36-7507	A) HSS COBALT 25PC DRILL BIT SET (1-13MM)
N36-7458	B) HSS COBALT 13PC DRILL BIT SET (1.5-6.5MM)

CIVILS & SITE EQUIPMENT

HSS TAPER DRILLS

Used for precision burr-free drilling without a pilot drill in plastics and sheet metals up to 4mm thick. Suitable for non-ferrous metals steel sheeting and plastics.

3 sizes: 4-30mm available.

PART NO.	DESCRIPTION
N47-1237	HSS TAPER DRILL 4-12MM
N47-1238	HSS TAPER DRILL 6-20MM
N47-1239	HSS TAPER DRILL 16-30MM

3 PIECE TAPER DRILL SET 4-30MM

Made from high speed steel (HSS) comprising:
1 x 4-12mm, 1 x 6-20mm and 1 x 16-30m

PART NO.	DESCRIPTION
N36-1598	3 PIECE TAPER DRILL SET 4-30MM

CONECUT SHEET & TUBE DRILL 4-30.5MM

The CONECUT® is a versatile hole-cutting tool for rapid drilling and enlarging holes in thin materials up to 2mm thick.

For use in sheet steel, non-ferrous metals, plastics, Formica and plywood.

Size Range: 4 - 30.5mm.

Chuck: 3/8in / 10mm.

PART NO.	DESCRIPTION
T18-0013	CONECUT SHEET & TUBE DRILL 4-30.5MM

A) STEP DRILL 4-32MM

Step drill used for cutting varying hole sizes in material up to 4 mm thick without changing the drill bit. Each drill cuts parallel holes within a specific size range, rising in 2mm increments. Sizes range: 4-32mm.

B) STEP DRILL 6 TO 30MM

Titanium-plated HSS Step Drill Bit 6 to 30mm. Self-starting step drill. For precision drilling of sheet metals, alloys & plastics up to 4mm thick. Clearly marked 2mm graduations. 10mm shank. Cuts clean, accurate holes.
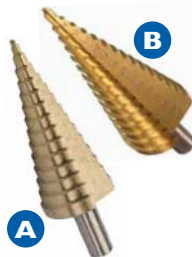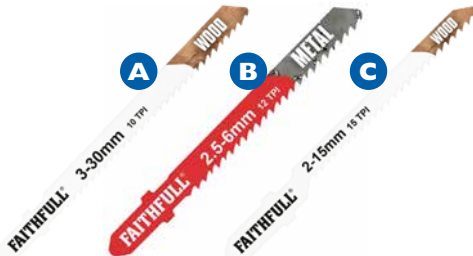
PART NO.	DESCRIPTION
N36-1111	A) STEP DRILL 4-32MM
N36-1596	B) STEP DRILL 6 TO 30MM

A) DUCT BLOCKAGE DRILL AND EXTENSION KIT

Designed, developed and tested to enable the clearing of mud, stones and general ground materials found around customer premises which often fall into the PVC duct bends and cause difficulties during installation of a microduct or cable.

By optimising the use of a countersink drill bit, which provides a low risk of damaging already installed cables in the blocked duct, the Duct Blockage Drill is used in conjunction with a battery-operated drill (Not Included) and bores its way through the blockage.

The flexible drill piece and extensions allow the drill to follow the PVC duct 90° bend to continue through the blockage. After use, the blocked duct is now back to being fully useable and using a duct rod through the bored hole, a cable or microduct can now be installed successfully.

The drill piece and extensions are constructed from flexible 1m lengths of stranded stainless-steel wire rope oversheathed with high density plastic tubing to allow the operator to grip the drill piece while it is spinning.

Kit Contents:
• 1 x 1 metre flexible drill piece with counter sink drill bit + protective cap
• 1 x 1 metre flexible extension.
• 1 x Allen Hex key to allow removal and replacement of the counter sink drill bit
• 1 x Storage/carry case for the drill pieces and extensions.

Ref: 088049.

B) DUCT BLOCKAGE DRILL EXTENSION 1M

One metre additional extension for S83-4170 Duct Blockage Drill constructed from a flexible length of stranded stainless-steel wire rope, oversheathed with high density plastic tubing to allow the operator to grip the drill piece while it is spinning.

PART NO.	DESCRIPTION
S83-4170	DUCT BLOCKAGE DRILL AND EXTENSION KIT
S83-4171	DUCT BLOCKAGE DRILL EXTENSION 1M

CARBON STEEL JIGSAW BLADES

A) Carbon Steel Jigsaw Blades for Wood 10TPI - Pack of 5
B) Carbon Steel Jigsaw Blades for Metal 12TPI - Pack of 5
C) Carbon Steel Jigsaw Blades for Wood 15TPI - Pack of 5

PART NO.	DESCRIPTION
P08-1050	A) CARBON STEEL JIGSAW BLADES FOR WOOD 10TPI - PKT 5
P08-1051	B) CARBON STEEL JIGSAW BLADES FOR METAL 12TPI - PKT 5
P08-1052	C) CARBON STEEL JIGSAW BLADES FOR WOOD 15TPI - PKT 5

SABRE SAW BLADES

A) HCS Wood Cutting Sabre Saw Blades 150mm 10TPI - Pack of 5
B) HCS Wood Cutting Sabre Saw Blades 300mm 6TPI - Pack of 5
C) HSS Metal Cutting Sabre Saw Blades 150mm 18TPI - Pack of 5
D) HSS Metal Cutting Sabre Saw Blades 150mm 10 TPI - Pack of 5

PART NO.	DESCRIPTION
P08-1053	A) HCS WOOD CUTTING SABRE SAW BLADES 150MM 10TPI - PKT 5
P08-1054	B) HCS WOOD CUTTING SABRE SAW BLADES 300MM 6TPI - PKT 5
P08-1055	C) HSS METAL CUTTING SABRE SAW BLADES 150MM 18TPI - PKT 5
P08-1056	D) HSS METAL CUTTING SABRE SAW BLADES 150MM 10 TPI - PKT 5

165MM (6 1/2") CIRCULAR SAW BLADES

A) Circular Saw Blade 24 Teeth 165mm x 20mm Bore
Ideal for most types of timber and man made boards.

B) Circular Saw Blade 48 Teeth 165mm x 20mm Bore
Fine blade, ideal for most types of particle, plyboard, MDF and hardboard.

PART NO.	DESCRIPTION
P08-1057	A) CIRCULAR SAW BLADE 24 TEETH 165MM X 20MM BORE
P08-1058	B) CIRCULAR SAW BLADE 48 TEETH 165MM X 20MM BORE PKT 3

BOSCH PROFESSIONAL STARLOCK MULTITOOL SET

8 pc Bosch accessory set for use with a range of multi-tools on materials like metal, paint and wood.

Contents:
- 1x AIZ 32 APB Blade for Wood & Metal
- 1x ACZ 85 EC Blade for Wood
- 1x ACZ 70 RT5 Blade for Grout & Abrasive
- 1x ATZ 52 SC Blade for Multi-Material
- 1x AVZ 93 G Blade for Multi-Material
- 3x F460 Blades for Wood & Paint

PART NO.	DESCRIPTION
P09-5010	BOSCH PROFESSIONAL STARLOCK MULTITOOL SET

STEEL AND MASONRY 115MM (4 ½") CUTTING AND GRINDING DISCS

A) Stone Cutting Disc 115mm

B) Metal Cutting Disc 115mm

C) Depressed Centre Metal Grinding Disc 115mm

D) Diamond Blade 115mm x 22.2mm

PART NO.	DESCRIPTION
P08-1095	STONE CUTTING DISC 115MM
P08-1093	METAL CUTTING DISC 115MM
P08-1091	DEPRESSED CENTRE METAL GRINDING DISC 115MM
P09-9024	DIAMOND BLADE 115MM X 22.2MM

STEEL AND MASONRY 230MM (9") CUTTING AND GRINDING DISCS

A) Stone Cutting Disc 230mm

B) Metal Cutting Disc 230mm

C) Depressed Centre Metal Grinding Disc 230mm

PART NO.	DESCRIPTION
P08-1430	A) STONE CUTTING DISC 230MM
P08-1432	B) METAL CUTTING DISC 230MM
P08-1431	C) DEPRESSED CENTRE METAL GRINDING DISC 230MM

CIVILS & SITE EQUIPMENT

BELLE 350MM (14") DIAMOND BLADES

A) Belle Platinum Universal Xtra (PUX) Diamond Blade - 350mm with 25mm Bore

A special fast cutting universal design for Concrete (including Green Concrete), Asphalt (including Asphalt over Concrete) Masonry Materials (such as Concrete Paving Slabs & Brick) including drop segments for undercut protection.

This ALTRAD Belle specialist diamond blade has a 10mm high segment with high diamond concentration.

The PUX range is the ultimate multi-purpose diamond blade.

RPM: 5450

Belle ref PUX35025.

B) Belle Gold Hard (GH) Diamond Blade - 350mm with 25mm Bore

For hard non-abrasive products. Very hard concrete, class A engineering bricks, 65-100 Newton clay paviors, hard flint aggregate concretes. Reinforced concrete lintels, kerbs and hard paving slabs. Hard clay roof tiles, hard slate.

The Gold 10mm high segment double laser welded diamond blade is specifically designed to provide good productivity levels at the lowest possible cost.

Includes 15mm undercut protection.

RPM: 5450

Belle ref GH35025.

C) Belle Gold General Masonry (GGP) Diamond Blade - 350mm with 25mm Bore

For extensive use on a wide range of products including most medium aggregate concretes. General masonry products, stock paving bricks, most roofing tiles and hard sandstones.

The Gold 10mm high segment double laser welded diamond blade is specifically designed to provide good productivity levels at the lowest possible cost.

Includes 15mm undercut protection.

RPM: 5450

Belle ref GGP35025.

D) Belle Gold Asphalt (GA) Diamond Blade - 350mm with 25mm Bore

For use on Asphalt, some asphalt over concrete, medium to soft sandstone, abrasive blocks, breeze blocks, green concretes, and other highly abrasive applications.

The Gold 10mm high segment double laser welded diamond blade is specifically designed to provide good productivity levels at the lowest possible cost.

Includes 15mm undercut protection.

RPM: 5450

Belle ref GA35025.

PART NO.	DESCRIPTION
P09-3905	A) BELLE PLATINUM UNIVERSAL XTRA (PUX) DIAMOND BLADE - 350MM WITH 25MM BORE
P09-3906	B) BELLE GOLD HARD (GH) DIAMOND BLADE - 350MM WITH 25MM BORE
P09-3907	C) BELLE GOLD GENERAL MASONRY (GGP) DIAMOND BLADE - 350MM WITH 25MM BORE
P09-3908	D) BELLE GOLD ASPHALT (GA) DIAMOND BLADE - 350MM WITH 25MM BORE

COREPLUS DIAMOND BLADES

A) CorePlus Top Twelve General Purpose Diamond Cutting Blade - 115mm

B) CorePlus Top Twelve General Purpose Diamond Cutting Blade - 230mm

C) CorePlus Top Twelve General Purpose Diamond Cutting Blade - 300mm with a 20mm Bore

D) CorePlus Top Twelve General Purpose Diamond Cutting Blade - 350mm with a 25mm Bore

Suitable for cutting; concrete, concrete lintels, reinforced concrete lintels, hard sandstone, concrete pipes, concrete paving slabs, bricks, block paving slabs, concrete kerbs, clay pipes, hard slate, roofing tiles, quarry tiles, etc.

E) CorePlus Elite All Cut Multi-Material Diamond Blade - 230mm

F) CorePlus Elite All Cut Multi-Material Diamond Blade - 300mm with 20mm Bore

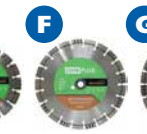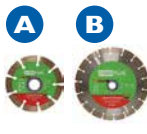**G) CorePlus Elite All Cut Multi-Material Diamond Blade - 350mm with 25mm Bore**

The CorePlus Elite All Cut Multi-Material Diamond Blade delivers Elite Endurance and Elite Performance in a diverse range of applications. Easily rises to the challenge and wins in all situations. A precision-engineered, hardened, high-grade 65Mn manganese steel tensioned core ensures the blade runs true, whilst double laser welding technology reduces the risk of damaged segments. The alternating segment structure creates an efficient waste material release for a smooth cut with blistering speed and a fluid feel.

H) CorePlus Elite Endurance Hard Material Diamond Blade - 230mm

I) CorePlus Elite Endurance Hard Material Diamond Blade - 300mm with 20mm Bore

J) CorePlus Elite All Cut Multi-Material Diamond Blade - 230mm

The CorePlus Elite Endurance Hard Material Diamond Blade features a hard-material specific, Elite Endurance diamond metal matrix that extends the lifetime of the blade way beyond expectation. A precision-engineered, hardened, high-grade 65Mn manganese steel tensioned core ensures the blade runs true. Double laser welding technology reduces the risk of damaged segments, combined with the maximum concentration of ultra-grade diamond that has been meshed within the bond.

PART NO.	DESCRIPTION
P09-3851	A) COREPLUS TOP TWELVE GENERAL PURPOSE DIAMOND CUTTING BLADE - 115MM
P09-0616	B) COREPLUS TOP TWELVE GENERAL PURPOSE DIAMOND CUTTING BLADE - 230MM
P09-0620	C) COREPLUS TOP TWELVE GENERAL PURPOSE DIAMOND CUTTING BLADE - 300MM WITH A 20MM BORE
P09-0621	D) COREPLUS TOP TWELVE GENERAL PURPOSE DIAMOND CUTTING BLADE - 350MM WITH A 25MM BORE
P09-0617	E) COREPLUS ELITE ALL CUT MULTI-MATERIAL DIAMOND BLADE - 230MM
P09-0622	F) COREPLUS ELITE ALL CUT MULTI-MATERIAL DIAMOND BLADE - 300MM WITH 20MM BORE
P09-0623	G) COREPLUS ELITE ALL CUT MULTI-MATERIAL DIAMOND BLADE - 350MM WITH 25MM BORE
P09-0619	H) COREPLUS ELITE ENDURANCE HARD MATERIAL DIAMOND BLADE - 230MM
P09-0628	I) COREPLUS ELITE ENDURANCE HARD MATERIAL DIAMOND BLADE - 300MM WITH 20MM BORE
P09-0617	J) COREPLUS ELITE ALL CUT MULTI-MATERIAL DIAMOND BLADE - 230MM

COREPLUS GENERAL-PURPOSE HYBRID TURBO DIAMOND BLADES

The CorePlus General-Purpose Diamond Blade utilises hybrid turbo technology (HTT), interspersed turbo segments provide the optimum balance between long life and fluid speed.

It has a precision-engineered, high-grade steel tensioned core for a blade that spins true. A high concentration of premium-grade diamond per segment and a bonded cutting edge help to prevent the diamond from getting glazed over in use. Manufactured to EN 13236 quality standard.
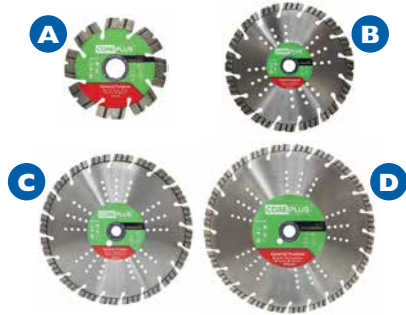
PART NO.	DESCRIPTION
P09-3852	A) COREPLUS GENERAL-PURPOSE HYBRID TURBO DIAMOND BLADE - 115MM
P09-0615	B) COREPLUS GENERAL-PURPOSE HYBRID TURBO DIAMOND BLADE - 230MM
P09-0625	C) COREPLUS GENERAL-PURPOSE HYBRID TURBO DIAMOND BLADE - 300MM WITH 20MM BORE
P09-0624	D) COREPLUS GENERAL-PURPOSE HYBRID TURBO DIAMOND BLADE - 350MM WITH 25MM BORE

COREPLUS ELITE ENDURANCE GENERAL-PURPOSE DIAMOND BLADES

The CorePlus Elite Endurance General-Purpose Diamond Blade features an Elite Endurance diamond metal matrix that extends the lifetime of the blade way beyond expectation. A precision-engineered, hardened, high-grade 65Mn manganese steel tensioned core ensures the blade runs true. Double laser welding technology reduces the risk of damaged segments, combined with the maximum concentration of ultra-grade diamond that has been meshed within the bond.

PART NO.	DESCRIPTION
P09-3853	A) COREPLUS ELITE ENDURANCE GENERAL-PURPOSE DIAMOND BLADE - 115MM
P09-0618	B) COREPLUS ELITE ENDURANCE GENERAL-PURPOSE DIAMOND BLADE - 230MM
P09-0626	C) COREPLUS ELITE ENDURANCE GENERAL-PURPOSE DIAMOND BLADE - 300MM WITH 20MM BORE
P09-0627	D) COREPLUS ELITE ENDURANCE GENERAL-PURPOSE DIAMOND BLADE - 350MM WITH 25MM BORE

COREPLUS ABRASIVE & ASPHALT DIAMOND BLADE

The CorePlus Abrasive & Asphalt Diamond Blade features angled gullets and drop segments for quick removal of abrasive waste material. It has a precision-engineered, high-grade steel tensioned core for a blade that spins true. With a high concentration of premium grade diamond per segment and a ultra-hard bond specifically formulated for asphalt and abrasive materials. Manufactured to EN 13236 quality standard.

For cutting the following materials:
Asphalt
Asphalt Over Concrete
Blocks - Breeze
Blocks - Toplite
Concrete - Pipes
Concrete - Kerbs
Concrete - Green
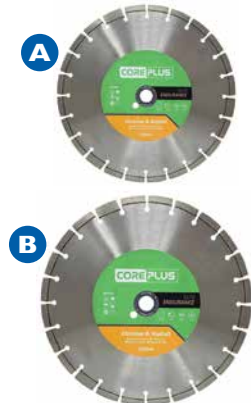Gritstone
Sandstone - Medium
Mortar

PART NO.	DESCRIPTION
P09-0608	A) COREPLUS ABRASIVE & ASPHALT DIAMOND BLADE - 300MM WITH 20MM BORE
P09-0609	B) COREPLUS ABRASIVE & ASPHALT DIAMOND BLADE - 350MM WITH 25MM BORE

COREPLUS ELITE ABRASIVE & ASPHALT DIAMOND BLADE

The CorePlus Elite Abrasive & Asphalt Diamond Blade has been Elite Endurance engineered to cut material with extremely abrasive properties, resulting in exceptional blade life. A precision-engineered, hardened, high-grade 65Mn manganese steel tensioned core ensures the blade runs true. Manufactured to EN 13236 quality standard. oSa® certified to the highest level of quality and tested safety.

For cutting the following materials:
Asphalt
Asphalt Over Concrete
Blocks - Breeze
Blocks - Toplite
Concrete - Pipes
Concrete - Kerbs
Concrete - Green
Gritstone
Sandstone - Medium
Mortar

PART NO.	DESCRIPTION
P09-0610	A) COREPLUS ELITE ABRASIVE & ASPHALT DIAMOND BLADE - 300MM WITH 20MM BORE
P09-0611	B) COREPLUS ELITE ABRASIVE & ASPHALT DIAMOND BLADE - 350MM WITH 25MM BORE

PROFESSIONAL TRADE AND DOUBLE AND TRIPLE LADDERS

Re-designed, tested and manufactured in the UK and built from the best quality aluminium and certified to the new EN131-2 Professional standard for frequent and heavy duty work. Now supplied with a high quality stabiliser bar for maximum safety and stability.

Features:

- Tested & certified to New EN131-2, Professional Maximum Load 150kg.
- Manufactured with D shaped rung for comfort when climbing.
- Newly designed stabiliser bar which is easy to fit and reduces the risk of sideways slips and gives a larger and safer footprint.
- Tested to a durability test of 50,000 cycles.
- Improved box section stiles and strengthened rungs inline with the new standard requirements.
- Secure non-slip grip with all round PVC moulded feet.
- British Made.

A

B

PART NO.	DESCRIPTION	WEIGHT
2 SECTION (DOUBLE) LADDERS (SAFE WORKING HEIGHTS)		
S00-1253	A) 4.88M 2 SECTION (2.92M CLOSED)	12KG
S00-1254	A) 5.94M 2 SECTION (3.42M CLOSED)	15.6KG
S00-1474	A) 7.03M 2 SECTION (4.04M CLOSED)	18.2KG
S00-1475	A) 7.81M 2 SECTION (4.42M CLOSED)	21.4KG
3 SECTION (TRIPLE) LADDERS (SAFE WORKING HEIGHTS)		
S00-3017	B) 6.85M 3 SECTION (2.92M CLOSED)	21.5KG
S00-1255	B) 8.46M 3 SECTION (3.42M CLOSED)	26.5KG

BT 5B ALUMINIUM AND 7B GRP 2.5M TRIPLE EXTENSION LADDER

Features:

- Comfortable 1.6m wall D.rung profile
- Available in aluminium weighing 18.5kg or non-conductive GRP (fibreglass)weighing 23.0kg
- Double safety catch
- Fitted with nylon rollers for easy operation with minimum effort
- Supplied with lashing rope & ferrule fittings
- Certified to BS 2037 Class 1
- Closed height 2.5m - opened height 6m

A

S00-1481
Ref:126403

B

S00-9028
Ref:128706

PART NO.	DESCRIPTION
S00-1481	A) BT 5B ALUMINIUM LADDER
S00-9028	B) BT 7B GRP LADDER

LYTE 2 SECTION ROOF LADDERS

Superior quality trade roof ladder manufactured in the UK from high grade aluminium to ensure strength and stability.

Adopted by many blue chip companies throughout the UK and beyond. Heavy duty ridge hook for stability when placed on the roof. Industrial non-slip rungs and box section stiles.

Rubber bearer bars to help distribute weight evenly and help prevent damage to the roof. Double section fitted with locking safety catch.

PART NO.	DESCRIPTION
S00-4192	A) LYTE TRL230 2 SECTION ROOF LADDER 4.70M
S00-2612	B) LYTE TRL235 2 SECTION ROOF LADDER 5.64M
S00-4198	C) LYTE TRL240 2 SECTION ROOF LADDER 6.68M
S00-4207	D) LYTE TRL245 2 SECTION ROOF LADDER 7.67M

A) Lyte TRL230 2 Section Roof Ladder 4.70m
Closed Length: 2.44 metres
Overall Length: 4.7 metres
Rungs: 11 + 9
Weight: 14.4kg

B) Lyte TRL235 2 Section Roof Ladder 5.64m
Closed Length: 3.4 metres
Overall Length: 5.64 metres
Rungs: 13 + 11
Weight: 16kg

C) Lyte TRL240 2 Section Roof Ladder 6.68m
Closed Length: 4.86 metres
Overall Length: 6.68 metres
Rungs: 15 + 13
Weight: 17.8kg

D) Lyte TRL245 2 Section Roof Ladder 7.67m
Closed Length: 5.82 metres
Overall Length: 7.67 metres
Rungs: 17 + 15
Weight: 19.5kg

TELETOWER TELESCOPIC MOBILE SCAFFOLD TOWER

The World's First Telescopic Mobile Scaffold Tower, the Teletower can be fully set up by one person in just 3 minutes.

Features:

The telescopic mechanism allows the platform to be adjusted to seven different heights, from 0.33 m to 2.00 m (corresponds to working heights of 2.33 m to 4.00 m).

Large aluminium platform (1.4 x 0.7 m) with floor opening.

Can be fully set up in 3 minutes, helping save time and manpower

Easy to transport – can even fit inside a small van or estate car.

Can be operated by just one person.

Integrated stabilisers with five adjustable positions, and swivel castors with brake.

Includes toeboards as well as integrated hand and knee rails.

Tower Style: Telescopic

Material: Aluminium

Standard Classification: Professional

Guarantee: 5 Year

Platform Height: 0.33m - 2m

Open Width: 1.5m

Product Weight: 59.5kg

Safe Working Height: 2.33m - 4.0m

PART NO.	DESCRIPTION
S00-9855	TELETOWER TELESCOPIC MOBILE SCAFFOLD TOWER

EASI-DEC MONO-DEC PLATFORM 1.2 METRE

The Mono-Dec provides simple rapid access to roofline level for a single worker in a matter of minutes.

The platform provides a stable working area and is ideal for a range of tasks including telecoms, the fitting sateilite dishes, painting, cleaning soffits or re-pointing brickwork.

The Mono-Dec is a 1.2m wide platform on adjustable, telescopic legs which is constructed at ground level and then quickly raised to the required working height.

Specifications:

Load rating 300kg uniformly distributed

System weight 63kg

Platform size 1.2m wide x 800mm deep

Material H30 (6082T6) aluminium

16' legs 3m - 4.75m platform height

Additional Options

6.5" Mini Legs 1.38m - 2m platform height

4.5" Micro Legs 1m - 1.4m platform height

Compliance

EN13374 Class C

EN 12811-1

Patent Registration GB2354793

PART NO.	DESCRIPTION
S00-0832	EASI-DEC MONO-DEC PLATFORM 1.2 METRE

EASI-DEC PLATFORM 2 METRE

The Easi-Dec mobile safe access work platform is the ideal access platform for work up to the roofline level, including fascia, soffit, and gutter work.

The standard 2m Easi-Dec mobile safe access work platform is built on the ground then raised to the required height via telescopic legs.

Every Easi-Dec mobile safe access work platform can be transported in either a transit van or on a roof rack thanks to their lightweight aluminium structure.

Alongside the standard legs, which offer a safe platform to work from up to 5.5m, Super Legs (4.5m-6.8m) as well as Bungalow Legs (2.34m-2.9m), and multiple other types for all heights are available.

Specifications

Load rating: 300 kg uniformly distributed

System weight: 75 kg

Platform size: 2m wide x 800mm deep

Standard legs providing a platform a height of 3.3m - 5.5m

Optional Extras

Super legs - Provides a platform height of 4.5m - 6.8m

16' legs - Provides a platform height of 3.0m - 4.75m

14' legs - Provides a platform height of 2.75m - 4.15m

9'5" Bungalow legs - Provides a platform height of 2.34m - 2.9m

FOR FURTHER DETAILS AND A FULL RANGE OF MOBILE WORK ACCESS PLATFORMS VISIT MILLSLTD.COM

PART NO.	DESCRIPTION
S00-1010	EASI-DEC PLATFORM 2 METRE

CIVILS & SITE EQUIPMENT

MILLS SWINGBACK FIBREGLASS STEP LADDERS

Professional swing back step ladders, constructed from robust and weather resistant, non-conductive, fibreglass stiles and comfortable aluminium rungs with a slip resistant profile. These step ladders are insulated to 30,000 volts and are designed for use in live electrical environments. They feature a moulded multi-functional holster top for stowing and organising tools as well as heavy duty bracing to protect the base tread from damage. In addition, the steps have 'H section' spreader arms making them very easy, safe and quick to deploy.

This range of step ladders have a 150kg working capacity and are ideal for working in electrical environments. Approved to the latest EN131 standards.

- Suitable for professional trade use
- Independently tested to non-conductive 30,000V rating
- Integral tool rack
- 150kg static load rating (max)
- Comfortable aluminium rungs with a slip resistant profile
- 'H section' spreader arms for quick easy and safe deployment

A) 4 Tread
Open Height 1.1m
Closed Length 1.17m
Number of Treads 4
Weight 5.7kg

B) 5 Tread
Open Height 1.30m
Closed Length 1.47m
Number of Treads 5
Weight 7.0kg

C) 6 Tread
Open Height 1.60m
Closed Length 1.77m
Number of Treads 6
Weight 8.1kg

D) 7 Tread
Fibreglass Step Ladders
Open Height 1.87 metres
Closed Length 2.07 metres
Number of Treads 7
Weight 9.5kg

E) 8 Tread
Open Height 2.11m
Closed Length 2.37m
Number of Treads 8
Weight 10.7kg

PART NO.	DESCRIPTION
S00-1532	A) MILLS SWINGBACK FIBREGLASS STEP LADDER 4 TREAD
S00-1533	B) MILLS SWINGBACK FIBREGLASS STEP LADDER 5 TREAD
S00-1534	C) MILLS SWINGBACK FIBREGLASS STEP LADDER 6 TREAD
S00-1535	D) MILLS SWINGBACK FIBREGLASS STEP LADDER 7 TREAD
S00-1536	E) MILLS SWINGBACK FIBREGLASS STEP LADDER 8 TREAD

MULTI-PURPOSE LADDER 12 IN 1 WITH PLATFORM

The Multi Purpose Ladder 12 in 1 with Platform is a super-versatile, multifunctional model, with 12 positions in 1 portable package. Features include a removable, slip-resistant work platform and a simple click-lock hinge system. The maximum extended length of 3.39m as an extended ladder, and a top platform height of 0.89m. The ladder is also easily foldable for convenient transportation and storage.

Features:
Compact folded dimensions for easy transportation and storage
Removable, slip-resistant work platform
Stabiliser bar for extra stability
Simple Click-Lock hinge system
Suitable for a wide variety of uses
150kg load capacity

PART NO.	DESCRIPTION
S00-9550	MULTI-PURPOSE LADDER 12 IN 1 WITH PLATFORM

ALUMINIUM STEPS CLASS I BS2037

Featuring:

- Double rivetted treads, & double braced legs
- Double braced horn end
- Rigid box section back legs
- Deep, non-slip treads & safety feet

PART NO.	Closed Ht.Mtr.	Open Ht.Mtr.	Treads	Duty Rating Kg/Stone
S00-3035	0.89	0.81	4	130/20.5
S00-3055	1.14	1.03	5	130/20.5
S00-3056	1.38	1.26	6	130/20.5
S00-3057	1.62	1.48	7	130/20.5
S00-3058	1.86	1.70	8	130/20.5
S00-4279	2.34	2.17	10	130/20.5
S00-4280	2.82	2.57	12	130/20.5

NB: Specified number of treads includes top

PART NO.	DESCRIPTION
S00-3035	4 TREAD STEP LADDER CLASS I
S00-3055	5 TREAD STEP LADDER CLASS I
S00-3056	6 TREAD STEP LADDER CLASS I
S00-3057	7 TREAD STEP LADDER CLASS I
S00-3058	8 TREAD STEP LADDER CLASS I
S00-4279	10 TREAD STEP LADDER CLASS I
S00-4280	12 TREAD STEP LADDER CLASS I

LITTLE GIANT MIGHTYLITE FIBREGLASS PLATFORM STEP LADDER, 2, 3, 4 OR 6 TREADS

A) 2 Tread:
Approximate working height: 2.16 metres
Platform Height: 0.56 metres
Storage Height: 1.27 metres
Platform Size: 330 x 330mm
Weight: 5.4kg

B) 3 Tread:
Approximate working height: 2.46 metres
Platform Height: 0.86 metres
Storage Height: 1.57 metres
Platform Size: 330 x 330mm
Weight: 6.4kg

C) 4 Tread:
Approximate working height: 2.74 metres
Platform Height: 1.14 metres
Storage Height: 1.88 metres
Platform Size: 330 x 330mm
Weight: 7.9kg

D) 6 Tread:
Approximate working height: 3.33 metres
Platform Height: 1.73 metres
Storage Height: 2.49 metres
Platform Size: 330 x 330mm
Weight: 10.9kg

PART NO.	DESCRIPTION
S00-9342	A) MIGHTYLITE PLATFORM STEPS 2 TREAD
S00-9343	B) MIGHTYLITE PLATFORM STEPS 3 TREAD
S00-9344	C) MIGHTYLITE PLATFORM STEPS 4 TREAD
S00-9345	D) MIGHTYLITE PLATFORM STEPS 6 TREAD

KING KOMBO 3-IN-1 EXTENSION LADDER

King Kombo is the world's first and only 3-in-1 extension ladder, leaning ladder and stepladder combination, in one lightweight package.

This 3 in 1 ladder is manufactured from non-conductive Hi-Visability green fiberglass and features ultra-heavy-duty feet to ensure traction and durability for harsh industrial environments. The King Kombo also benefits a V groove top rung when extended for accessing poles and corners.

Wide-flared side offers superior side-tip stability and the ladder has a maximum load capacity of 150kg.

The King Combo is available in 3 heights as follows:

A) 2 Section 5 Rung, closed Length 1.5 metres, extended Length: 2.6 metres giving an approx Working Height: 3.1 metres- Weight: 9kg

B) 2 Section 6 Rung, closed Length 1.8 metres, extended Length: 3.0 metres giving an approx Working Height: 3.4 metres- Weight: 9.9kg

C) 2 Section 8 Rung, closed Length 2.4 metres, extended Length: 4.2 metres giving an approx Working Height: 4.6 metres- Weight: 12.8kg

A

B

C

PART NO.	DESCRIPTION
S00-9349	A) 2 SECTION 5 RUNG KING COMBO
S00-9350	B) 2 SECTION 6 RUNG KING COMBO
S00-9351	C) 2 SECTION 8 RUNG KING COMBO

XTEND & CLIMB PRO TELESCOPIC LADDER 3.8M

TThe Xtend+Climb® Pro Series 3.8m is a heavy-duty telescopic ladder extending to 12.5 feet with a 14.8-foot average reach height. The telescopic ladder is lightweight enough to be carried with one hand and small enough to be stored in the front or back of a car or van. It easier to transport to and from a job-site while saving space in storage. (Compacts down to 92cm).

- 3-year warranty
- Max Load 150kg
- Fully complies to the new EN131-6 standard

Formerly S00-8015.

PART NO.	DESCRIPTION
S00-5462	XTEND & CLIMB PRO TELESCOPIC LADDER 3.8M

YOUNGMAN 34038118 COMBI 100 COMBINATION LADDERS

The Combi 100 is a 3 section combination ladder able to be used as a stepladder, freestanding extension ladder, stairwell and extension ladder mode.

Approved to the latest EN131 standard. For Professional Use. Max. Load 150kg (23st 9lb)

PART NO.	DESCRIPTION
S00-9596	A) YOUNGMAN COMBINATION LADDER 1.84M
S00-9597	B) YOUNGMAN COMBINATION LADDER 2.40M
S00-9598	C) YOUNGMAN COMBINATION LADDER 2.96M

TELESTEPS TELESCOPIC COMBINATION LADDER

A freestanding ladder fully extended for maximum working height, but at a limited height can be used as an A-frame ladder, easily adjusted and used as a leaning ladder. This makes the ladder optimal for those who need a multifunctional ladder for different types of situations.
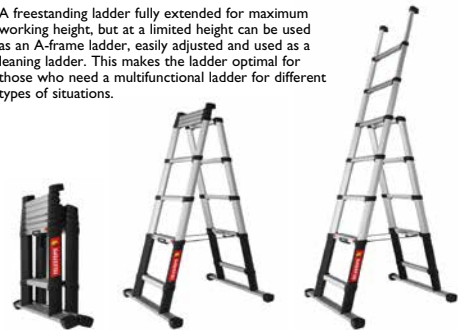
Part Number	A) S00-6175	B) S00-6174
Art. no.	72423-681	72430-681
Tread	80 mm	80 mm
Working height	3.1 m	3.8 m
Length, closed	0.73 m	0,79 m
Width	0.68 m	0.75 m
Weight	14.1 kg	19.5 kg
Max load	150 kg	150 kg
Max users	1	1
EN 131 and SP (RISE) certified	Yes	Yes

PART NO.	DESCRIPTION
E00-6175	A) TELESTEPS TELESCOPIC COMBINATION LADDER 2.3M
E00-6174	B) TELESTEPS TELESCOPIC COMBINATION LADDER 3.0M

LITTLE GIANT VELOCITY SERIES 2.0 MULTIPURPOSE LADDERS, 3, 4 OR 5 TREADS

When you have projects to do, you need a ladder that can do it all. The Little Giant® Velocity™ Series 2.0 is the perfect ladder to complete those tasks. From framing a house, to hanging drywall, the Velocity will help you finish your to-do list. Series 2.0 is the all-new Velocity Ladder, fitted with wider legs that are compliant to the latest Ladder Standards.

Features:

Easy to use – The Velocity is a lightweight, multi-position ladder with added features to make set up and take down simple. To adjust the height of the ladder, simply push in the Rock Lock™ adjusters and move the inner section to the height you need. When you need to move the ladder from place to place, tip the ladder on its wheels and roll it with the Tip & Glide™ wheels**.

The Velocity is the ladder that can be set up as an steps, extension ladder, staircase ladder or as 90-degree trestle table. The Velocity has 150kg work load capacity, meeting or exceeding all EN131-4:2020 standards the Velocity is rated to 150kg work load capacity.

Compatible with Tetra Ladder Systems. Available in 3 sizes.

A) Treads: 4
Approx Working Height: 5.1 m
Ext. Length: 2.7 - 4.6 m
Step Ladder Height: 1.4 - 2.3 m
Width: 610mm
Weight: 14.7 Kg

B) Treads: 5
Approx Working Height: 6.3 m
Ext. Length: 3.3 - 5.8 m
Step Ladder Height: 1.7 - 2.9 m
Width: 690mm
Weight: 18.6 Kg

C) Treads: 6
Approx Working Height: 7.5 m
Ext. Length: 3.9 - 7.0 m
Step Ladder Height: 2.0 - 3.5 m
Width: 780mm
Weight: 23.5 Kg

PART NO.	DESCRIPTION
S00-9338	A) MULTIPURPOSE LADDER 4 TREAD
S00-9339	B) MULTIPURPOSE LADDER 5 TREAD
S00-0059	C) MULTIPURPOSE LADDER 6 TREAD

LITTLE GIANT CONQUEST ALL-TERRAIN MULTI-PURPOSE LADDER

With built-in side-mounted stabilising legs that work on uneven ground and a swivel foot that easily handles flat or soft ground.

A) 4 Tread
Approx Working Height: 5.1m
Extended Length: 2.7 - 4.6m
Step Ladder Height: 1.4 - 2.3m
Width: 0.63m
Weight: 19.6kg

B) 5 Tread
Approx Working Height: 6.3m
Extended Length: 3.3 - 5.8m
Step Ladder Height: 1.7 - 2.9m
Width: 0.69m
Weight: 23.2kg

C) 6 Tread
Approx Working Height: 7.5m
Extended Length: 3.9 - 7.0m
Step Ladder Height: 2.0 - 3.5m
Width: 0.76m
Weight: 28.0kg

PART NO.	DESCRIPTION
S00-1540	A) ALL-TERRAIN MULTI-PURPOSE LADDER 4 TREAD
S00-1541	B) ALL-TERRAIN MULTI-PURPOSE LADDER 5 TREAD
S00-1542	C) ALL-TERRAIN MULTI-PURPOSE LADDER 6 TREAD

LITTLE GIANT WING SPAN

The Wing Span 'stand off' is compatible with the Little Giant ladder range and ideal in when working around windows, rain gutters, bushes, overhangs and other obstacles.
Dimensions:
51 in. x 15 in. x 3 in.
Weight: 2.3kg

PART NO.	DESCRIPTION
S00-0674	LITTLE GIANT WING SPAN

LITTLE GIANT CARGO HOLD

Cargo Hold, is a fabric ladder mountable tote tray, designed to fit securely onto any shape ladder rung, including all Little Giant ladders.
Dimensions: 304 x 178 x 127mm.

PART NO.	DESCRIPTION
S00-2535	LITTLE GIANT CARGO HOLD

CHERRY PICKER TOTE TRAY

A versatile container for all your overhead cable consumables and tools – ideal for use with a cherry picker (MEWP) or ladder. It is ergonomically designed to have easy access to tools, gives a safe environment to work and makes it possible to do your job faster.

PART NO.	DESCRIPTION
B83-2066	CHERRY PICKER TOTE TRAY

LITTLE GIANT ADJUSTABLE WORK PLATFORM

The versatile Work Platform fits on the rungs of any Little Giant multi-use ladder and is rated to hold the same weight as your ladder, up to 150kg. Use it as a tray for a paint bucket or tools, or use it as a sturdy, comfortable standing platform. Now you can stand on your ladder for extended periods without sore feet and bruised shins; you can work with both hands in any direction. Simply adjust the side arms to ensure that the platform is level before use. Sliding arms enable precise levelling. Bright orange tread for increased visibility. Enables comfortable standing for longer periods. Use as paint can holder. Use across a range of ladders. 1-year Warranty. 150kg Work Load Capacity.

PART NO.	DESCRIPTION
S00-2538	LITTLE GIANT ADJUSTABLE WORK PLATFORM

STANDARD ALUMINIUM FIXED HEIGHT LOW LEVEL WORK PLATFORM (ORIGINAL ODD JOB)

A trade quality lightweight aluminium platform that enables the user to access those areas that are just out of reach from ground level. It is ideal for painters and decorators, plumbers and plasterers – in fact, it's so versatile that there are a few professionals that could not find a use for it.

- Perfect for all odd jobs around the home or workplace
- Easy to use, easy to store
- Broad base for extra stability
- Large working platform area

Specification:

- Platform Size - 0.3 x 0.7m
- Platform Height - 0.51m
- Folded size - 0.734 x .0378 x 0.175m
- Safe Working Height- 2.0m
- Duty Rating -110kg (17.3 stone)
- Product Weight - 4.0kg

PART NO.	DESCRIPTION
S00-9591	STANDARD PLATFORM

YOUNGMAN 31089818 ODD JOB WORK PLATFORM

The Youngman Odd Job Work Platform is compact and stable with a large slip-resistant platform. With a platform height of 0.5m, this work platform is the perfect tool for giving you a boost for odd jobs around your home and workshop.

PART NO.	DESCRIPTION
S00-9591	YOUNGMAN 31089818 ODD JOB WORK PLATFORM

STEP UPS

A) Folding Step-Up Stool

This single step folding stool measures 31 x 22cm with a height of 22cm and is a compact, lightweight yet sturdy option that has a maximum even weight capacity of 150kg EN14183 Certified.

B) Extra Height Folding Step-Up Stool

This extra height single step folding stool measures 31 x 22cm with a height of 32cm and is a compact, lightweight yet sturdy option that has a maximum even weight capacity of 150kg EN14183 Certified.

PART NO.	DESCRIPTION
B99-1610	A) FOLDING STEP-UP STOOL
B99-1611	B) EXTRA HEIGHT FOLDING STEP-UP STOOL

LADDER STAND OFFS

A) Adjustable Ladder Stand-Off

Fits most ladders and increases the safety and stability of your ladder.

Features:

- Adjustable giving 17" - 24" (430mm - 610mm) clearance
- Detachable
- With over 1 metre span
- Quick and easy to fit
- Makes access for guttering and window maintenance so much easier
- Complete with bucket hook
- Weight 2.5Kg
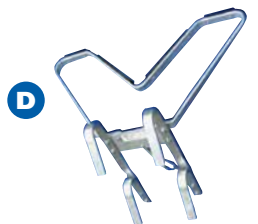
B) Industrial Ladder Stand Off Aluminium

Industrial Ladder Stand Off with a V-shape section covered in hard wearing rubber to prevent damage on delicate surfaces. Secures to most ladders by hooking over rungs and gripped tight with easy to pull springs. Can be stored easily when not in use and fitted quickly without the need for tools. Made from hardened aluminium.

C) Ladder stand off - flat

Makes working at heights easier and safer. Avoids damage to gutters, tiles and window frames.

D) Ladder stand off - V

V shaped stand off for use on corners of buildings and for use over down pipes.

E) 'The Microlite'

The ultimate Class 1 industrial stand-off that instantly secures ladders at the top before climbing.

F) 'The Compact'

Weighs 1.5kg and boasts both high reach and compactness with no bulky outriggers. This top end stability device (TESD) is ideal for window cleaners and general maintenance.

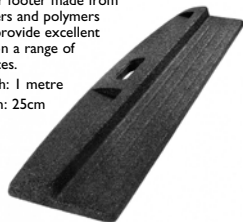| PART NO.	DESCRIPTION
S00-0901	A) ADJUSTABLE LADDER STAND-OFF
S00-0905	B) INDUSTRIAL LADDER STAND OFF ALUMINIUM
S00-1186	C) LADDER STAND OFF - FLAT
S00-1187	D) LADDER STAND OFF - V
S00-7710	E) 'THE MICROLITE' LADDER STABILISER
S00-1190	F) 'THE COMPACT' LADDER STABILISER

LADDER BASE

Ladder Base is a low cost ladder footer made from rubbers and polymers that provide excellent grip on a range of surfaces.

Length: 1 metre
Width: 25cm

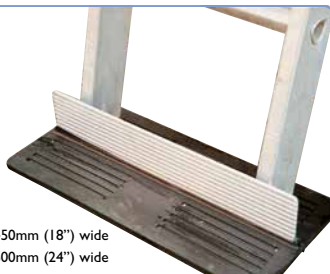| PART NO.	DESCRIPTION
S00-0653	LADDER BASE

LADDERMAT LADDER LEVELLER

Four heavy-duty rubber mats, linked by a sturdy metal loop offer adjustable anti-slip blocking when using ladders on slopes or uneven surfaces. On smooth surfaces they help prevent the ladder from slipping and on soft surfaces they help prevent the ladder sinking.

PART NO.	DESCRIPTION
S00-8833	LADDERMAT LADDER LEVELLER

LADDER STOPS

Top quality T piece bonded into an 11mm vulcanised rubber base complete with 2mm tread. Available in three models.

A) For ladders up to 450mm (18") wide
B) For ladders up to 600mm (24") wide

PART NO.	DESCRIPTION
S00-1487	A) LADDER STOPS LARGE
S00-1492	B) LADDER STOPS EXTRA LARGE

LADDER SPURS

Ladder Spurs prevent outward slip of ladder base & significantly reduce the chance of sideways slip at the top. They are available with quick and easy ratchet version (S00-0904) or a more permanent U Bolt Clamp version (S00-0903).

PART NO.	DESCRIPTION
S00-0903	LADDER SAFETY SPURS - U-BOLT CLAMP
S00-0904	LADDER SAFETY SPURS - RATCHET STRAPS

COVERSAFE SPARK LOFT CRAWL BOARD

The CoverSafe Spark loft crawl board provides a safe, simple, and strong work platform for interior loft work. Ideal for a range of tasks, the system spreads the weight of the worker across the loft joists via strong GRP slats to prevent falls through the roof. This insulated loft mat is perfect for multiple types of loft work including satellite dish installation, solar battery installation, electrical work or plumbing.

Weight: 10kg
Closed Size: 115 x 48cm
Open size: 200cm x 80cm
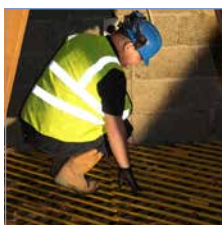
PART NO.	DESCRIPTION
S00-0831	COVERSAFE SPARK LOFT CRAWL BOARD

TETRA SKYLITE CRAWLBOARDS FOR FLAT ROOFS & UNBOARDED LOFTS - PAIR

The use of crawlboards enable an operative to distribute their weight to allow safe travel within un-boarded loft areas and across flat roofs.

They can also be used under a ladder to prevent damage to a flat roof surface. Supplied as a pair.

PART NO.	DESCRIPTION
S83-1030	TETRA SKYLITE CRAWLBOARDS FOR FLAT ROOFS & UNBOARDED LOFTS - PAIR

UNIVERSAL ROOF LADDER HOOK

The Universal Roof Hook turns any extension ladder into a roof ladder. Manufactured from strong 14 gauge aluminium frame, it is strong enough to support a maximum load of 150Kg.

Features:
- Provides safe access to any roof
- Detachable
- Fits any extension ladder
- Quick and easy to fit
- Wheels to move the ladder up the roof and into position
- Maximum Load 150kg
- Weight 2.5Kg

PART NO.	DESCRIPTION
S00-0900	UNIVERSAL ROOF LADDER HOOK

LADDER GUARD

The Ladder Guard restricts unauthorised ladder access on site and is an important safety measure. The Ladder Guard provides a quick and easy solution, hooking over the rung and locks at the rear via a solid brass long shackle padlock (included). Suits ladders with internal rung widths 250mm – 375mm.

Product Features:
- Padlock included
- Restricts unauthorised access to your ladder
- Quick and easy to use
- Length: 1325mm
- Width: 385mm
- Depth: 85mm
- Weight: 8kg

PART NO.	DESCRIPTION
S00-1483	LADDER GUARD

UNIVERSAL LADDER CLAMPS

305mm long x 55mm hook.
Sold in pairs.
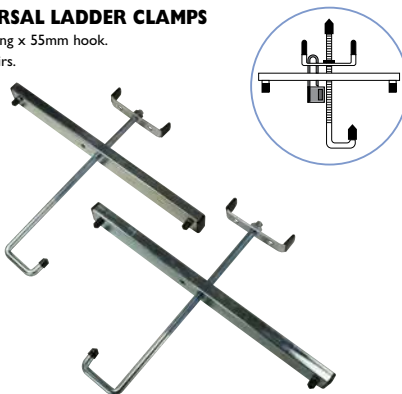
PART NO.	DESCRIPTION
S13-1259	PAIR LADDER CLAMPS

RHINO SAFECLAMP LADDER CLAMP

A revolutionary universal design for the safe transporting and securing of ladders onto roof bars and racks.
- Manufactured from tough composite plastic
- Features Stainless steel hook
- Accredited by 20g crash & 'life cycle testing'
- Simple locking handle operation, ensures a swift clamping action of up to 5 times faster than 'conventional ladder clamp designs'
- Key locks supplied: Each Safeclamp is supplied complete with two locking keys (No lost padlocks anymore)
- Supplied in pairs

PART NO.	DESCRIPTION
S00-3749	SAFECLAMP LADDER CLAMP (PAIR)

UNIVERSAL LOCKABLE LADDER STORAGE BRACKET SET

A convenient and safe device to store your ladder and keep it secure in the garage. The kit comes complete with fixings for wall mounting.

Features:
- Helps prevent theft of your ladder
- Complete with wall fixings
- 3 fixing options for steps and ladders
- Suitable for most ladders including 2 and 3 section extension ladders
- 250mm D x 170mm H x 30mm W

PART NO.	DESCRIPTION
S00-0902	UNIVERSAL LOCKABLE LADDER STORAGE BRACKET SET

FOR PADLOCKS AND CHAINS

SEE PAGE 263

CIVILS & SITE EQUIPMENT

TETRA LEANING LADDER & POLE KIT

Complete Leaning Ladder & Pole Kit as used by Openreach Engineers. This item is non-returnable and non-refundable.

PART NO.	DESCRIPTION
S00-0984	TETRA LEANING LADDER & POLE KIT

TETRA SECOND LADDER KIT

Complete Second Ladder Kit as used by Openreach Engineers comprising: 2 x 6 Metre Ladder Strap with Cam Buckle & Karabiners, Hi Vis Ladder Yoke, 10m x 11mm Diameter Static Kernmantle Rope inc Aluminium Scaffold Karabiner, Day glow tape sling complete with 7 sewn loops for securing ladders to pole, Storage Bag Medium.

PART NO.	DESCRIPTION
S00-0988	TETRA SECOND LADDER KIT

TETRA FLAT ROOF KIT

Complete Flat Roof Kit as used by Openreach Engineers comprising 20mm Reuseable Eyebolt, 3 Metre Kernmantle Rope and Karabiner, 20 mm SDS Plus Masonry Drill Bit.

PART NO.	DESCRIPTION
S00-1025	TETRA FLAT ROOF KIT

FOR THE FULL RANGE OF HEIGHT SAFETY EQUIPMENT

SEE PAGES 401-413

Mills EST. 1919

TETRA HI VIS POLE LADDER TAPE 7 LOOP SLING

Tetra Tape Sling with 7 Sewn Loops for Securing Ladders to Poles.
Sor use with S83-1037 Tetra Hi Vis Ladder Yoke and S83-1036 Tetra Hi Vis Ladder Strap with Cam Lock 3 Metre / S83-1032 Tetra Hi Vis Ladder Strap with Cam Lock 6 Metre.

PART NO.	DESCRIPTION
S83-1034	TETRA HI VIS POLE LADDER TAPE 7 LOOP SLING

TETRA HI VIS LADDER YOKE

Telecoms specification Hi Vis Ladder Yoke as used in the S00-0984 Tetra Leaning and S00-0988 Second Ladder Kits.

PART NO.	DESCRIPTION
S83-1037	TETRA HI VIS LADDER YOKE

TETRA HI VIS LADDER STRAP WITH CAM LOCK 3 METRE

Tetra Hi Vis Ladder Strap with cam buckle and karibiners.
Length: 3 metres.

PART NO.	DESCRIPTION
S83-1036	TETRA HI VIS LADDER STRAP WITH CAM LOCK 3 METRE

TETRA HI VIS LADDER STRAP WITH CAM LOCK 6 METRE

Tetra Hi Vis Ladder Strap with cam buckle and karibiners.
Length: 6 metres.

PART NO.	DESCRIPTION
S83-1032	TETRA HI VIS LADDER STRAP WITH CAM LOCK 6 METRE

TETRA LEANING LADDER SUPPLEMENTARY TRIANGULATION KIT

Tetra Leaning Ladder Supplementary Triangulation kit supplied with:
2x 6 metre Tetra Hi Vis Ladder Straps with Cam Locks
1x Tetra Removable 12mm Diameter Ladder Tie Bolt

PART NO.	DESCRIPTION
S83-1033	TETRA LEANING LADDER SUPPLEMENTARY TRIANGULATION KIT

TETRA REMOVABLE 12MM DIAMETER LADDER TIE BOLT

Removeable anchor bolt used as a temporary installation for securing your ladder.
Diameter:12mm

PART NO.	DESCRIPTION
S83-1031	TETRA REMOVABLE 12MM DIAMETER LADDER TIE BOLT

CIVILS & SITE EQUIPMENT

A-B) REMOVABLE LADDER TIE BOLT

Removable Ladder Tie Bolt.

Material: 316 Stainless Steel / Expanding Rubber Plug.

Available in A)12 or B)18mm Diameter.

B) TEMPORARY FALL ARREST EYEBOLT 20MM

20mm diameter removeable and re-usable fall arrest eyebolt for masonry. Used extensively by the aerial & satellite / cavity wall insulation / reactive maintenance / central heating / telecoms industries for setting up temporary fall protection for flat roof work on domestic property flat roofs.

Specifications:

Material: Zinc plated steel / expanding rubber nut

Size: 20mm dia

Accreditation: Hanger plate EN 795

PART NO.	DESCRIPTION
S00-8004	A) REMOVABLE 12MM DIAMETER LADDER TIE BOLT
S00-8005	B) REMOVABLE 18MM DIAMETER LADDER TIE BOLT
S00-8006	C) TEMPORARY FALL ARREST EYEBOLT 20MM

RIDGEGEAR RGL31 LADDER RESTRAINT LANYARD

This short lanyard has been specifically designed for ladder restraint when a shorter lanyard is required. The two attachment points can be used to adjust the length between the operator and the ladder when climbing.

The restraint lanyard can only be used for work-restraint because there is no shock absorption built into the system and it should never be used to extend another fall-arrest product.

37kN polyester webbing is used to manufacture this product complete with a water repellant coating which helps give the product a longer life.

Accredited to: EN 354:2010

Material: 26mm water repellent polyester

Fittings: RGK11SL and RGK2

Max arrest force:

Lengths: 0.56m, can be reduced to 0.44m

Restraint only - not to be used as fall arrest

PART NO.	DESCRIPTION
S00-1930	RIDGEGEAR RGL31 LADDER RESTRAINT LANYARD

LADDER TIES

Used to leash Ladders Extension 5B (S00-1481) and 7A (S00-9028) when working on poles. An 8m x 6mm leash supplied with end stiffeners to allow pole ladders to be secured using the fourth run to a pole, when the ladder is angled at a four up, one out ratio.

Supplied in a plastic wallet with full operating instructions.

PART NO.	DESCRIPTION
S83-0789	LADDER TIES

LADDER WARNING STICKERS

Ladder safety advisory stickers for extension ladders.

A set of 3 self-adhesive ladder safety advisory labels, designed for use on most trade double and triple extension ladders, comprising one 'Use Ladder Stand Off' label which wraps round the top rung of the ladder and is visible from both sides, together with two 'Use Ladder Footer' labels which need to be affixed to the two stiles (stringers) at the base of the ladders.

PART NO.	DESCRIPTION
S00-4451	LADDER WARNING STICKERS

LADDER TAGS

Ladder tags help ensure compliance with HSE regulations, providing a clear record of ladder safety inspections. Tags are supplied with inserts and spare inserts are available.

Inserts are double-sided with inspection schedule on one side, and 'Do Not Use' on the other side.

PART NO.	DESCRIPTION
S00-4239	LADDER TAG HOLDER & INSERT
S00-7845	LADDER HOLDER ONLY
S00-7846	LADDER TAG INSERT ONLY

SCAFFTAG YELLOW BOOK LADDER MANAGEMENT SYSTEM

The Yellow Book provides easy to follow, step by step guidance on legal requirements and all the necessary documents to set up your own ladder inspection management system. The Yellow Book works in conjunction with the Safety Tag Insert & Holder. Duplicate inspection reports and triplicate fault notification reports and step by step guidance on legal requirements and how to conduct a risk assessment are included.

Product Features:

• Duplicate inspection reports
• Yellow book ladder register
• Use in conjunction with Safety Tag Inserts & Holders
• Duplicate inspection reports and triplicate fault notification reports
• Step by step guidance on legal requirements and how to conduct a risk assessment
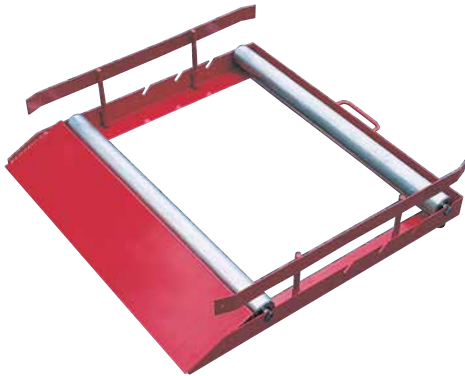
PART NO.	DESCRIPTION
S83-1484	SCAFFTAG YELLOW BOOK LADDER MANAGEMENT SYSTEM

EXTRA LARGE CABLE ROLLER STAND

Extra large cable roller stand capable of reeling drums with a weight of up to 700kg, diameter of 1000mm and widths of up to 700mm.

Manufactured from powder coated stainless steel, the base has a carry handle for easy carrying. The roller stand further benefits from a large retractable ramp for easy loading and four height adjustable, non-slip rubber feet for ease of dispensing.

Dimensions: H 160 x W 750 x L 780mm.

PART NO.	DESCRIPTION
S00-5000	EXTRA LARGE CABLE ROLLER STAND

ALUMINIUM CABLE ROLLER STANDS

The sturdy frame is manufactured in an aluminium alloy structure, with galvanized steel revolving rollers. The position of the revolving rollers can be adjusted in order to host drum of cables with ø from 200 mm to 700 mm. New anti-sliding ramps with minimum incline angle include lateral guide devices to contain the drum to enable safe and easy drum positioning on the unrolling frame.

These cable roller stands are available in two widths as follows;

A) Standard Cable Roller Stand. Suitable for cable drums with diameters 200 mm to 700 mm, max. drum width 515mm and max. drum weight 200kg. Weight: 8kg.

B) Large Cable Roller Stand. Suitable for cable drums with diameters 200 mm to 700 mm, max. drum width 670mm mm and max. drum weight 250kg. Weight: 11kg.

PART NO.	DESCRIPTION
S03-6600	A) STANDARD CABLE ROLLER STAND
S03-4817	B) LARGE CABLE ROLLER STAND

CABLE DRUM ROLLER RAILS

Aluminum roller tracks suitable for safe winding and unwinding of cable reels of infinitely varying widths.

The stands are constructed from precision welded aluminum profiles, with slidable adjustable rollers able to manage cable drum reels from 400mm to 800mm diameter with a maximum weight of 200kg- Sold in Pairs.

PART NO.	DESCRIPTION
S00-5013	CABLE DRUM ROLLER RAILS (PAIR)

A) MILLS HEAVY DUTY CABLE DRUM ROLLER RAIL (PAIR)

Heavy duty cable drum roller rail pair with aluminium rollers capable of accepting cable drums up to a weight of 1000kg with a diameter of 400mm to 1200mm.

The rollers are supplied in pairs with a link rod to connect them ensuring they remain parallel when in use.

Weight: 18kg each

Formerly S00-6173

B) MILLS HEAVY DUTY CABLE DRUM ROLLER RAIL (PAIR)

Extra heavy duty cable drum roller rail pair with aluminium rollers capable of accepting cable drums up to a weight of 1000kg with a diameter of 800mm to 1850mm.

The rollers are supplied in pairs with a link rod to connect them ensuring they remain parallel when in use.

Weight: 19kg each

Formerly S03-6601

PART NO.	DESCRIPTION
S03-3533	MILLS HEAVY DUTY CABLE DRUM ROLLER RAIL (PAIR)
S03-3536	MILLS EXTRA HEAVY DUTY CABLE DRUM ROLLER RAIL (PAIR)

CIVILS & SITE EQUIPMENT

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MILLS UNIVERSAL CABLE DRUM DISPENSER

A heavy duty multi-purpose cable caddy, ideal for use with telecom, security datacom and electrical cable reels.

The cable caddy will accept cable reels with a diameter of up to 360mm, a maximum width of 330mm and a spindle diameter of up to 35mm.

Cable reels can be quickly and easily loaded on the cable caddy and retained in position by the captive 'quick action' antiluce fastener.

A 30mm tie off ring is provided to assist with storage and transportation.

Cable not included.

PART NO.	DESCRIPTION
S00-5796	UNIVERSAL CABLE DRUM DISPENSER

DISPENSER DROPWIRE 2C

A specialist cable stand and dispenser, manufactured from tubular steel construction dropwire dispenser with an adjustable tensioning device to prevent overrun of the drum. The drum is held by means of a spring loaded spindle. The unit further benefits from telescopic handle giving a collapsed height of 600mm.

The 2B has now evolved to a 2C with the modification of the spindle which is now less than 100mm in length and replaces the legacy mechanism allowing for much easier loading procedure.

Ref: 127548 / 126468.

PART NO.	DESCRIPTION
S00-8426	DISPENSER DROPWIRE 2C

PORTABLE DRUM RACK 500KG

High quality, easy to assemble, adjustable rolling rack designed for use with both small and medium fibre drums and manufactured from galvanized steel with an aluminium axle. Fully adjustable making it ideal for use on uneven surfaces.

Maximum Load: 500 kg
For Drum Diameters:
Ø 500-1250 mm
For Drum Widths:
200-800 mm
For Drum Centre Hole
Diameter: Ø 60-89 mm
Weight: 39kg

PART NO.	DESCRIPTION
S03-9333	PORTABLE DRUM RACK 500KG

MILLS REPLACEMENT PARTS FOR DISPENSER DROPWIRE 2C

A) Spindle with Locking Ring
Now less than 100mm in length, replaces the legacy mechanism for much easier loading precedure.

B) Spindle Cap and Bolt
Replacement spindle cap, bolt and hex key which allow you to upgrade a Dropwire 2B to a Dropwire 2C dispenser, making it much easier to load standard copper drop wire reels and also able to accept most reel sizes of fibre drop reels with the use of the S83-9210 Mills Axle Set.

C) Mills Axle Spindle Set
Allows fibre drop cable to be dispensed from the Mills 2C Dropwire Dispenser or legacy 2B Drop Dispenser, with the replacement of the spindle and locking nut to the Mills new spindle and locking nut S00-8432.
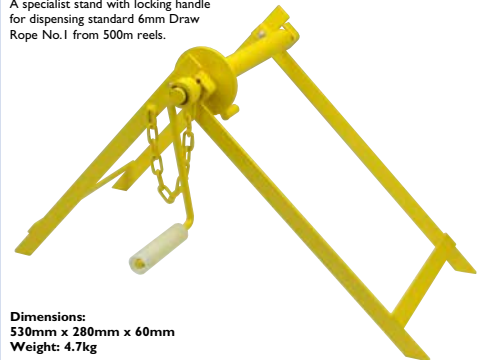
PART NO.	DESCRIPTION
S00-1245	MILLS REPLACEMENT SPINDLE WITH LOCKING RING FOR DISPENSER DROPWIRE 2C
S83-9211	SPINDLE CAP AND BOLT FOR MILLS DROPWIRE DISPENSER 2C
S83-9210	MILLS AXLE SPINDLE SET FOR DISPENSER DROPWIRE 2C

DRAWROPE DISPENSER

A specialist stand with locking handle for dispensing standard 6mm Draw Rope No.1 from 500m reels.

Dimensions:
530mm x 280mm x 60mm
Weight: 4.7kg

PART NO.	DESCRIPTION
S00-1239	DRAWROPE DISPENSER

CIVILS & SITE EQUIPMENT

A) MILLS DRUM-MATE

A horizontal, stable and lightweight cable dispenser with patented braking system to allow controlled unreeling and reeling of most cable and flexible conduit from reels weighing up to 380kg with bores from 13mm (without mandrel) and from 50mm (with mandrel).

Simialr to the X Board, the Drum Mate has spring arms ideal for the dispensing of non reeled cable, as well as making it suitable for unwinding cable from broken or damaged cable-reels.

The Mills Drum Mate weighs less than 7kg and has 7 rubber feet for stability and prevention of damage to floor surfaces.

These features make the Drum Mate a '4 in 1' universal cable dispenser:

1) For standard reeling and unreeling of most cable drums up to a weight of 380kg with minimum bores from 13mm (without mandrel) and from 50mm (with mandrel).

2) For dispensing cable rings, flexible conduit pipe,vein cables and cable from damaged cable-reels.

3) For controlled dispensing of non reeled cable or ducting supplied in "pizza boxes" or similar packaging with centres.

4) For loose or 'end of reel' cable, which can be quickly and easily re wound on to the Drum Mate up to a diameter of 500mm (20") prior to installation

B) DRUM-MATE REPLACEMENT 50MM MANDREL

Replacement 50mm Mandrel for the Mills Drum-Mate and Drum-Mate Junior.

PART NO.	DESCRIPTION
S00-9770	A) MILLS DRUM-MATE
S00-9776	B) MILLS DRUM-MATE REPLACEMENT 50MM MANDREL

A) MILLS DRUM-MATE JUNIOR

A compact, horizontal, stable and lightweight cable dispenser with patented braking system to allow controlled unreeling and reeling of most cable and ducts from smaller reels, typically up to 350kg (14") with a weight up to 190kg The Drum-Mate Junior is supplied with both a 30mm and 50mm mandrel to suit most popular drum spindle bores. The Mills Drum Mate Junior is ideal for dispensing of fibre, telco, satellite and CCTV cable and has a base dimension of 250mm (10") .Weighing just 1.1kg makes it easy to store in smaller size vans. The dispenser has 5 rubber feet for stability and prevention of damage to floor services.

Features:

• Patented Braking System for controlled dispensing of cable and ducting

• Suitable for all cable reels with 50mm (2") bore up to a weight of 380kg

• Supplied with both a 30mm and 50mm (2") mandrel to suit most popular drum spindle bores

• Suitable for damaged cable drums

• Weighs less than 1.1kg

• 5 Rubber feet for stability and prevention of damage to floor covering

B) DRUM-MATE REPLACEMENT 30MM MANDREL

Replacement 30mm Mandrel for the Mills Drum-Mate and Drum-Mate Junior.

C) DRUM-MATE REPLACEMENT 50MM MANDREL

Replacement 50mm Mandrel for the Mills Drum-Mate and Drum-Mate Junior.

PART NO.	DESCRIPTION
S00-9772	A) MILLS DRUM-MATE JUNIOR
S00-9775	B) MILLS DRUM-MATE REPLACEMENT 30MM MANDREL
S00-9776	C) MILLS DRUM-MATE REPLACEMENT 50MM MANDREL

A) MILLS 24" CABLE A FRAME DRUM STAND DISPENSER

24 Inch Universal Cable Reel Stand - Suits drums up to 600mm diameter, 500mm width and weight of 100kg.

Dimensions:
780 x 750 x 180mm

Weight: 10kg

Ref: 4566:

Formerly S00-1200

B) CABLE DRUM CONES FOR CABLE A FRAME

A pair of tapered cones designed to be used in conjunction with the S13-1200 (Formerly S00-1200) Mills Cable A Frame, allowing smooth dispensing of cable from single or multiple cable drums.

PART NO.	DESCRIPTION
S13-1200	A) MILLS 24" CABLE A FRAME DRUM STAND DISPENSER
S13-0464	B0 MILLS CABLE DRUM CONES FOR CABLE A FRAME

CIVILS & SITE EQUIPMENT

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HYDRAULIC CABLE JACKS

Lightweight hydraulic drum jacks which are almost indispensable for use in the cable yard. Versatile & easily adjustable within seconds to accommodate vast ranges of drums. Excellent all-round stability, fitted with wheels to be easily moved by one person. Complete with spindle & collars.

MODEL	CAPACITY/PAIR	MAX DRUM DIA	MIN DRUM DIA	WT/PAIR	SPINDLE WT
C00-3531	3 TONNES SWL	2300MM	760MM	118KG	30KG
C00-3532	6 TONNES SWL	2800MM	840MM	160KG	53KG
S00-6764	10 TONNES SWL	3500MM	1080MM	180KG	53KG

PART NO.	DESCRIPTION
C00-3531	3 TONNE HYDRAULIC CABLE JACKS
C00-3532	6 TONNE HYDRAULIC CABLE JACKS
S00-6764	10 TONNE HYDRAULIC CABLE JACKS

3 AND 6 TONNE CABLE JACKS

Easy to handle & simple operation. Base plate designed to give stability even on soft ground.

CAPACITY	CLOSED HEIGHT	OPEN HEIGHT	BASE AREA	WEIGHT
3 TONNES	530MM	840MM	300X300MM	18.6KG
6 TONNES	680MM	990MM	460X300MM	24.4KG

PART NO.	DESCRIPTION
C00-3124	3 TONNE CABLE JACK (PAIR)
C00-3125	SPINDLE FOR ABOVE (3T)
C00-3126	LOCKING COLLARS (3T)
C00-3502	6 TONNE CABLE JACK (PAIR)
C00-3503	SPINDLE FOR ABOVE (6T)
C00-3504	LOCKING COLLARS (6T)

GALVANISED FIXING CONES

A range of galvanised fixing cones for securing drums in place on spindles.

Supplied individually, however a pair is required for operation.

A) A cable drum spindle fixing cone tapering from 115-65mm and to suit a 60mm spindle.
B) A cable drum spindle fixing cone tapering from 130-85mm and to suit a 75mm spindle.
C) A cable drum spindle fixing cone tapering from 150-110mm and to suit a 90mm spindle.

PART NO.	DESCRIPTION
S03-4866	A) GALVANISED FIXING CONE 60MM SPINDLE
S03-4867	B) GALVANISED FIXING CONE 75MM SPINDLE
S03-4868	C) GALVANISED FIXING CONE 90MM SPINDLE

CABLE DRUM JACK PLINTHS (PAIR)

Cable drums are increasingly becoming larger but not necessarily heavier. Common practice is to build up the jacks with sleepers, or wood blocks (most definitely not recommended) Jack Plinths give an additional 300mm of lift safely.

Length:1200mm
Width: 320mm
Height: 300mm
Weight: 60Kgs/Pair
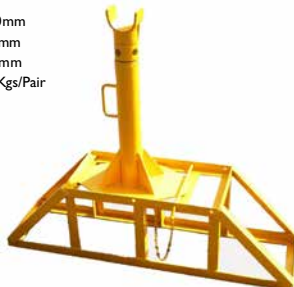
PART NO.	DESCRIPTION
C00-7612	CABLE DRUM JACK PLINTHS

CABLE PULLING WINCH (UNDERGROUND FRAME)

This lightweight capstan winch is designed for use within manholes, for simple cable pulling and cable recovery.

Powered by a 5HP Honda Engine through a right angle gearbox, it has a pulling capacity of 1000kg using a 12mm diameter rope (recommended) via a 100mm diameter aluminium Diablo capstan at a rope speed of 18m per minute.

Dimensions:
520mm x
370mm x
370mm.

Dry Weight: 26kg

PART NO.	DESCRIPTION
S00-6929	CABLE PULLING WINCH (UNDERGROUND FRAME)

CABLE PULLING WINCH (ACROSS PIT FRAME)

This lightweight capstan winch is designed for use over manholes, for simple cable pulling and cable recovery.

Powered by a 5HP Honda Engine through a right angle gearbox, it has a pulling capacity of 1000kg using a 12mm diameter rope (recommended) via a 100mm diameter aluminium Diablo capstan at a rope speed of 18m per minute.

Dimensions:
700mm x
500mm x
450mm.

Dry Weight: 26kg

PART NO.	DESCRIPTION
S00-6930	CABLE PULLING WINCH (PIT FRAME)

A) RUNPOTEC CW 800 E CAPSTAN CABLE PULLING WINCH WITH TROLLEY 240V OR 110V

Ideally suited for horizontal pulling of one or more cables.

Where several persons are needed for higher pulling loads on many sites, one person is sufficient to pull in the cables with the CW 800 E capstan winch from RUNPOTEC with a choice of 4 m/min |max. 800 kg or 8 m/min |max. 400 kg.

PART NO.	DESCRIPTION
S00-6933	A) RUNPOTEC CW 800 E CAPSTAN CABLE PULLING WINCH WITH TROLLEY 240V
S00-6934	B) RUNPOTEC CW 800 E CAPSTAN CABLE PULLING WINCH WITH TROLLEY 110V

Mills
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WE OFFER A RANGE OF CABLE DRUM TRAILERS AND WINCHES

Ring sales for SPECIAL PRICES or visit *millsltd.com* **for more information**

CABLE DRUM SPREADER BARS

Designed for the safe lifting and handling of cable drums and cable laying applications. The lightweight bar allows easy assembly through the drum centre, while all other parts are lifted into place with plant.

A simple pin in position coupler, with adjustment, allows the drum to be held on the bar, ensuring controlled rotation. Four standard units allow a large variety of drums to be carried.

Cable drums rotate freely on bearings to ensure smooth cable unwinding. Available in 4 sizes.

PART NO.	MAX. CAPACITY KG	MIN. DRUM WIDTH MM	MAX. DRUM WIDTH MM	MAX. DRUM DIA. MM	MIN. DRUM HOLE MM	SPINDLE WEIGHT KG
S83-2082	5000	800	1700	2700	80	22
S83-2083	5000	250	1200	2200	80	17
S83-2084	2500	380	1700	2700	55	11
S83-2085	2500	120	1200	2200	55	8

CABLE TACKERS

A) S57-0589 Tacwise CT45 Telco Cable Tacker

This compact die-cast metal-bodied telco cable tacker features an impact depth adjuster for when working with different materials hard/soft wood.

Perfect for working with cables up to 4.5mm in diameter such as telephone 6 pair, alarm to BS4773 and alarm 4 core.

Uses the Type CT-45 staples (8-10mm) but is also compatible with Rapid R28 staples.

All Tacwise hand tackers come with a 3-year guarantee.

B) S57-0591 Tacwise CT-60 Combined Telco and CATV Cable Tacker

Features a new advanced system for recoilless action, incorporates many safety features, delivers brilliant performance and results when securing cables into tight spaces.

It fires both Tacwise 4.5 and 6mm cable staples CT45 and CT-60 staples, between 8 - 14mm leg lengths.

It is the perfect hand cable tool to neatly fix Cat5, Cat6, coaxial 1mm white & brown and satellite coaxial screened cables.

All Tacwise hand tackers come with a 3-year guarantee.

TACWISE CT-45 & CT-60 STAPLES

High quality, cable staples, conveniently boxed in 5 x 1000 packs.

Available in:

• CT-45 8mm, 10mm, 12mm & 14mm, galvanised and CT-45 10mm white.
• CT-60 12mm & 14mm, galvanised and CT-60 14mm white.

PART NO.	DESCRIPTION
S57-0589	A) TACWISE Z3-CT45 TELCO CABLE TACKER
S57-0591	B) TACWISE CATV & TELCO COMBI CABLE TACKER
S57-0608	CT-45/8 8MM GALV. STAPLES (PK 5000)
S57-0609	CT-45/10 10MM GALV. STAPLES (PK 5000)
S57-0610	CT-45/10 10MM WHITE STAPLES (PK 5000)
S57-0611	CT-60/12 12MM GALV. STAPLES (PK 5000)
S57-0612	CT-60/14 14MM GALV. STAPLES (PK 5000)
S57-0613	CT-60/14 14MM WHITE STAPLES (PK 5000)

A) STANLEY T10X 2-IN-1 CABLE TACKER

The Stanley T10X 2-in-1 Cable Tacker fires round and flat staples for wire and general tacking.

B) STANLEY TYPE 7 CT100 CABLE STAPLES 10MM PACK OF 1000

Curved head staples, ideal for securing telephone cable and other low voltage wire. Supplied in a handy plastic box of 1,000 staples.

PART NO.	DESCRIPTION
S57-5461	A) STANLEY T10X 2-IN-1 CABLE TACKER
S57-1958	B) STANLEY TYPE 7 CT100 CABLE STAPLES 10MM PACK OF 1000

MILLS PULL PUCK

An essential aid for providing extra grip, when pulling and pushing most cable up to a diameter of 16mm. Manufactured from a high visibility yellow rubberised material, and at just 76mm diameter the Mills cable pulling puck fits into the palm of your hand.
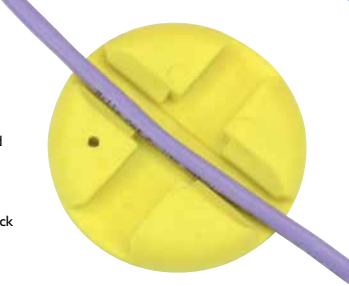
PART NO.	DESCRIPTION
S00-6417	PULL PUCK

SUCTION LIFTERS FOR FLOOR TILES

A) Single-Pad Suction Lifter

25kg max capacity, 12.5kg safe working load (S.W.L.)120mm pad. Supplied individually.

B) Double-Pad Suction Lifter

Features 2 x 125mm quick release rubber suction pads, The product is capable of lifting up to 80kg, dependent on the cleanliness and condition of the material being lifted, this is purely a guide.

Supplied individually.

C) Triple-Pad Suction Lifter

60kg max capacity, 30kg safe working load (S.W.L.) 118mm pads. Supplied individually.

PART NO.	DESCRIPTION
S70-5005	A) SINGLE-PAD SUCTION LIFTER
E22-6374	B) ALUMINIUM DOUBLE-PAD SUCTION LIFTER
S00-3627	C) TRIPLE-PAD SUCTION LIFTER

CARPET PANEL / TILE LIFTER

Strong aluminium construction, sharp spike tooth gip/ Lift to release feature. Sold individually.

PART NO.	DESCRIPTION
S00-3626	CARPET PANEL / TILE LIFTER

CARPET STRETCHER KNEE KICKER 460 - 540MM

Five stage adjustable length knee kicker with variable height pins for gripping the carpet when stretching. Soft rubber kneepad gives comfort when 'kicking' carpet up to the skirting board.

Features:

Five stage adjustable length knee kicker

Variable height pins for gripping the carpet whilst stretching

Soft rubber kneepad gives comfort when 'kicking' carpet

PART NO.	DESCRIPTION
J62-3391	CARPET STRETCHER KNEE KICKER 460 - 540MM

UNDER CARPET TAPE

This under carpet tape is made from annealed stainless steel and is flat for running between carpet and underlay. The tape has one rounded end with a hole and one curled end and fits into its own PVC case. Length 25ft (7.5).

PART NO.	DESCRIPTION
C00-8424	UNDER CARPET TAPE

HEAVY DUTY LOOP PILE CARPET CUTTING TOOL

Heavy duty professional loop pile carpet cutter efficiently cuts thick loop carpets. The moulded handle is designed for easy use and manoeuvering close corners.

Unique two blade design features both right and left side positions for cutting closer to the yarn edges.

Allows for easy angle cutting and blade insertion.

The height and blades are fully adjustable ensuring the right level can be selected for any carpet cutting job.

PART NO.	DESCRIPTION
R99-0517	HEAVY DUTY LOOP PILE CARPET CUTTING TOOL

CARPET TUCKING TOOL

Carpet tucking tool ideal for getting the floor covering under door trims and tucking down in difficult small areas.

18 x 5 x 2.5cm with a slim 1mm tucking edge and rubber moulded handle.

PART NO.	DESCRIPTION
R99-0516	CARPET TUCKING TOOL

CARPET BOLSTER 75MM (3")

Drop-forged steel bolster, chrome-plated to reduce marking. Ensures tight carpet edging by tucking under grippers and skirting boards.

Oversized surface allows tapping in for a tighter fit.

Blade width: 75mm (3")

PART NO.	DESCRIPTION
J62-3390	CARPET BOLSTER 75MM (3")

CIVILS & SITE EQUIPMENT

A) MILLS ECONOMY ROD SET

Ideal for use for installations in false ceilings and raised floors.

The Economy Set comprises:
5 x 1m sections:
Qty 2: 5.6mm x 1000mm (red)
Qty 3: 4.6mm x 1000mm (yellow)

The Economy Set also includes:
• Flexible nylon rod 175mm Chain
• Round starting head
• Pulling eyelet with ring
• Magnet
• Storage/transporation bag

B) MILLS BIG ROD SET

Ideal for use for installations in false ceilings and raised floors.

The Big Set comprises:
10 x 1m sections:
Qty 3: 6.6mm x 1000mm (black)
Qty 3: 5.6mm x 1000mm (red)
Qty 3: 4.6mm x 1000mm (yellow)
Qty 1: 4.0mm x 1000mm (white)

The Big Set also includes 10 types of end fittings:
• Flexible nylon rod 175mm
• Cable pulling grip
• Chain
• Super beam LED
• Threader
• Round starting head
• Adapter
• Pulling eyelet with ring
• Magnet
• Hook

PART NO.	DESCRIPTION
S03-6610	A) MILLS ECONOMY ROD SET

PART NO.	DESCRIPTION
S03-6609	B) MILLS BIG ROD SET

A) FIBREGLASS FISH TAPE 16M (50FT)

50ft (16m) reinforced non conductive fibreglass core with outer nylon coating.

B) 100FT (30M) STEEL FISH TAPE

This traditional 30m (100ft) fish wire is manufactured from high strength flexible 3mm wide spring steel with hooked end to avoid snagging in use. It is housed in a sturdy impact resistant rotating plastic storage case.

C) POLYESTER DRAW WIRE 15M (49FT)

A simple triple stranded 4.5mm polyester draw wire with a breaking strain of 140kg and a bend radius of 100mm. It is terminated with a 125mm long flexi end with brass pulling eye on one end and a fixed brass pulling eye on the other.

D) POLYESTER DRAW WIRE 25M (82FT)

A simple triple stranded 4.5mm polyester draw wire with a breaking strain of 140kg and a bend radius of 100mm. The draw rope is terminated in a 125mm long flexi end with brass pulling eye on one end and fixed brass pulling eyo on the other.

E) 10M DRAW TAPE 4MM

Non-conductive 4mm nylon construction for use in telecom, electrical, wall and floor conduit. and designed for pulling cables through occupied duct and panel boxes. The draw tape has a breaking strain of 100Kg, a bend radius of 38MM and has a 150mm flexi end leader with pulling eye at one end of the rod.

F) 30M DRAW TAPE 4MM

Non-conductive 4mm nylon construction for use in telecom, electrical, wall and floor conduit. and designed for pulling cables through occupied duct and panel boxes. The draw tape has a breaking strain of 100Kg, a bend radius of 38mm and has a 150mm flexi end leader with pulling eye at one end of the rod.

G) FISH TAPE 7.5M

A 7.5m (25') flat steel fish tape in a handy winder case with crank handle. The 6mm wide tape has a tpaered plastic end piece and is ideal for installaing cable above false ceilings or under carpets where the flat profile helps the tape feed in a straight line without deflection.

H) FIBREGLASS FISH TAPE 20M

20m length, 3mm diameter fibreglass core with outer Polypropelene coating. Comes complete with starting / ending M5 threaded end fitting.

PART NO.	DESCRIPTION
C00-1561	A) FIBREGLASS FISH TAPE 16M (50FT)
C00-3015	B) 100FT (30M) STEEL FISH TAPE
S03-6613	C) POLYESTER DRAW WIRE 15M (49FT)
S03-6614	D) POLYESTER DRAW WIRE 25M (82FT)
S00-5002	E) 10M DRAW TAPE 4MM
S00-5003	F) 30M DRAW TAPE 4MM
C00-9038	G) FISH TAPE 7.5M
S03-6615	H) FIBREGLASS FISH TAPE 20M

A) HANDY ROD SET

At a length of just 40cm per rod, this cabling rod is designed to fit onto a standard tool box.

Set comprises:
- 1 rod x 40 cm (white),
  2 rods x 40 cm (red),
  1 rod x 40 cm (blue)
- 40 cm white flexi lead
- Domed bullet
- Mini hook and mini eye.

B) ROD SET STANDARD HELLERMANNTYTON

This CS-SB rod set is a professional cable installation tool Rods made of glass reinforced plastic (GRP) are able to pull a cable weight of up to 80 kg.

Set comprises:
- 1 x 4 mm x 1000 mm rod yellow
- 4 x 5 mm x 1000 mm round red
- 175 mm white flexi lead
- Split ring

- Gender changer
- Tuff hook
- Mini eye
- Domed bullet

C) ROD SET DELUXE HELLERMANNTYTON

This CS-SB rod set is a professional cable installation tool Rods made of glass reinforced plastic (GRP) are able to pull a cable weight of up to 200 kg.

Set comprises:
- 2 rods x 1 m (white)
- 6 rods x 1 m (red)
- 2 rods x 1 m (blue)
- Split ring
- Gender changer
- Tuff hook
- Mini eye
- Domed bullet
- Flat bullet
- Beam
- Single magnet

PART NO.	DESCRIPTION
C71-0750	A) HANDY ROD SET
C71-0748	B) ROD SET STANDARD HELLERMANNTYTON
C71-0749	C) ROD SET DELUXE HELLERMANNTYTON

JONARD POLE, BRACKET AND HOLDER

A) Jonard RDT-18K Telescopic Pole 5.58 Metres

Constructed from a high density fiberglass material.

Includes:
- C & K hooks (to help grab/push cables), adapter (to replace the platform for navigating tight spaces), and small carrying pouch
- Extended Length: 5.58 m
- Collapsed Length: 83.8 cm
- Weight 1.09 kg

Accessories available:

B) Jonard MF-45 Magtime Cable Pole Bracket

C) Magtime Magnetic Cable Cradle Mount Pk 25

PART NO.	DESCRIPTION
S83-3808	A) RDT-18K TELESCOPIC POLE 5.58 METRES
S83-3820	B) MF-45 MAGTIME CABLE POLE BRACKET
S83-3840	C) MAGTIME MAGNETIC CABLE CRADLE MOUNT PK 25

A) DELTA+ WALKIE TALKIE RADIO TWIN PACK WITH BATTERIES & CHARGERS

Twin pack professional mobile radios (PMR446) ideal for use with security, education settings, warehouse work or on building sites.

Features:
- 8 main channels
- 121 privacy codes
- IP54 rating dust & splash proof
- Up to 968 channel combinations
- Communicates with all other PMR446 radios
- VOX Voice-activated transmission
- Built-in LED flashlight
- 3.7V,1700mAh high quality Li-ion battery
- Squelch levels setting
- Keypad lock

Operating temperature: -20° to +45°.
Output power: (ERP) ≤500 mW.
Formerly C00-8329.

B) Ear piece, microphone for Delta+ PMR Radio C00-1553

PART NO.	DESCRIPTION
C00-7523	A) DELTA+ WALKIE TALKIE RADIO TWIN PACK WITH BATTERIES & CHARGERS
C00-7524	B) EAR PIECE, MICROPHONE FOR DELTA+ PMR RADIO C00-1553

MOTOROLA XT420 SERIES TWO WAY RADIO WITH CHARGER

The Motorola XT420 Series two-way radio with exceptional quality, military standard features and a durability to outlast high noise, tough conditions and hard use.

- 8 Main Channels
- + 219 private codes
- Advanced voice activation (VOX)
- Programmable buttons
- IP55 rated
- Channel announcement with voice alias
- Customer programming software
- Profiles interchangeable with older XTNi series using free software (CPS programming cable req.)
- Supplied with charger

Sold individually.

PART NO.	DESCRIPTION
C00-1553	MOTOROLA XT420 SERIES TWO WAY RADIO WITH CHARGER

CIVILS & SITE EQUIPMENT

Mills EST. 1919

ULTRACRETE PRODUCTS

**A) UltraCrete Perma-Soil Stabiliser
- 54x 25Kg Bags**

**B) UltraCrete Perma-Soil Stabiliser
- 30x 25Kg Buckets**

UltraCrete Perma-Soil turns excavated spoil into backfill within minutes, saving both time and money on-site. Ideal for use with small utility excavations, backfilling poles, water metres and tobies, Perma-Soil meets the requirements set out in the Utility WRAP Agreement.

Supplied in 25kg bags and tubs.

**C) UltraCrete Instant Road Repair
6mm Grade - 56x 25kg Bags**

**D) UltraCrete Instant Road Repair
6mm Grade - 52x 25kg Tubs**

UltraCrete Instant Road Repair® 6mm grade is designed for permanent asphalt repairs in footways, footpaths and cycle tracks. It gained HAPAS Approval in 2002 and is instantly trafficable causing minimal disruption to pedestrians.

**E) UltraCrete Instant Road Repair
10mm Grade - 56x 25kg Bags**

**F) UltraCrete Instant Road Repair
10mm Grade - 52x 25kg Tubs**

UltraCrete Instant Road Repair® 10mm grade is designed for permanent repairs in type 3 and 4 roads. HAPAS approved since 2002, Instant Road Repair offers a first-time permanent repair and is instantly trafficable causing minimal disruption to motorists.

**G) UltraCrete Instaband ECO Thermoplastic
Overbanding Tape
- Box of 12**

Instaband ECO® has been designed for the application to asphalt roads to prevent water ingress and progressive fretting. It has been HAPAS Approved since 2012 and prevents water ingress immediately, prolonging the life of your repair.

**H) UltraCrete SCJ Seal and Tack Coat Spray
750ml - Box of 12**

SCJ is a cold joint sealer that is applied onto vertical edges and surface base before the application of asphalt. HAPAS approved since 2005, SCJ prevents water ingress which improves bond and prolongs the life of your repair.

**I) Ultracrete QC6 Surface Reinstatement
Concrete Pre-mix
- 56x 25kg Bags**

**J) S00-3540 Ultracrete QC6 Surface
Reinstatement Concrete Pre-mix
- 40x 25kg Buckets**

QC6 is a non-shrink concrete designed for the surface reinstatement of 'picture frames' or areas around access covers and surface areas around street furniture. This shrinkage compensated reinstatement concrete has an excellent workability and sets in just 15 minutes thus difficult to deface, improving public image and limiting asset liability.

Please see website for further details

PART NO.	DESCRIPTION
S00-4015	A) ULTRACRETE PERMA-SOIL STABILISER - 54X 25KG BAGS
S00-4030	B) ULTRACRETE PERMA-SOIL STABILISER - 30X 25KG BUCKETS
S00-4012	C) ULTRACRETE INSTANT ROAD REPAIR 6MM GRADE - 56X 25KG BAGS
S00-4031	D) ULTRACRETE INSTANT ROAD REPAIR 6MM GRADE - 52X 25KG TUBS
S00-4032	E) ULTRACRETE INSTANT ROAD REPAIR 10MM GRADE - 56X 25KG BAGS
S00-4033	F) ULTRACRETE INSTANT ROAD REPAIR 10MM GRADE - 52X 25KG TUBS
S00-4014	G) ULTRACRETE INSTABAND ECO THERMOPLASTIC OVERBANDING TAPE - BOX OF 12
S00-4107	H) ULTRACRETE SCJ SEAL AND TACK COAT SPRAY 750ML - BOX OF 12
S00-4034	I) ULTRACRETE QC6 SURFACE REINSTATEMENT CONCRETE PRE-MIX - 56X 25KG BAGS
S00-3540	J) ULTRACRETE QC6 SURFACE REINSTATEMENT CONCRETE PRE-MIX - 40X 25KG BUCKETS

ULTRACRETE PRODUCTS

A) UltraCrete PY4 Summer Grade CD534 Polyester Resin System - 30x 25kg Buckets
A) UltraCrete PY4 Winter Grade CD534 Polyester Resin System - 30x 25kg Buckets

PY4 produces a stiff supporting mortar and is effective for the rapid installation and reinstatement of manhole covers and frames in heavily trafficked areas. It is highly recommended for ductile ironwork and has been HAPAS approved since 2005. PY4 conforms to HA104/09, has a rapid strength gain and can be opened to traffic in 40 minutes.

B) UltraCrete Envirobed CD534 High Performance Mortar x 48 18kg Bags
C) UltraCrete Envirobed CD534 High Performance Mortar - 40x 18kg Buckets

The environmentally friendly alternative to resin-based materials, specifically formulated for the bedding of all access covers. Envirobed® CD534 (formerly HA104) has been HAPAS Approved since 2005 and conforms to CD534. Its superior compressive, tensile and flexural strengths make it ideal for use in heavily trafficked / wheel track locations. It can be open to traffic after just 1 hour.

D) UltraCrete CD534 Flowable High Performance Mortar x 48 18kg Bags

Specifically formulated for utility reinstatements. Envirobed® CD534 Flowable (formerly HA104) provides all the performance of Envirobed® CD534 but is significantly easier to apply. It conforms to CD534 and is also BT LN550 and LN320 compliant. It offers superior compressive, tensile and flexural strengths in 3 hours and can be opened to traffic in 1 hour.

E) UltraCrete M60 Rapid Strength Bedding Mortar - 56x 25kg Bags
F) UltraCrete M60 Rapid Strength Bedding Mortar - 40x 25kg Buckets

M60 is the market leading rapid strength mortar, for use with all access covers, as well as for the bonding of granite setts, flags and bedding kerbs. HAPAS approved since 2005, M60 also conforms to HD27/15, has a rapid strength gain and can be opened to traffic in 1 hour.

G) UltraCrete QC10 F Rapid Set Flowable Concrete - 56x 25kg Bags

QC10 F is a rapid setting, fibre modified concrete for backfilling around manhole frames and gullies and can also be used for surface repairs.

It has been HAPAS approved since 2005 and can be opened to traffic in 90 minutes.

H) UltraCrete Envirobed CD534 RED High Performance Mortar x 48 Buckets

Envirobed® CD534 Red, (part of UltraCrete's HAPAS Approved Ironwork Reinstatement System), is pigmented red as a prescriptive solution for specific contracts and frame works to easily identify the composition of work carried out. It is supplied as a two-component system, which contains a blend of special cements, polymer and aggregates and recycled glass. The combined components provide a high strength mortar, which can accommodate depths of 10-50mm in one pass. If necessary, greater depths can be achieved by using the layer-upon-layer method.

I) UltraCrete Envirobed CD534 RED Flowable High Performance Mortar x 48 Bags

UltraCrete Envirobed®CD534 Flowable Red is pigmented red as a prescriptive solution for specific contracts and frame works to easily identify the composition of work carried out. It combines as a bedding mortar and backfill and is ideal for installing access covers and frames.

J) UltraCrete Mortar Buoy - Access Frame Installation

The inflatable device that acts as a dam allowing a flowable mortar installation within seconds. The Mortar Buoy® inflatable dam prevents any mortar seeping into the access chamber providing a seamless finish to the chamber. This allows a single pour installation of Envirobed® CD534 Flowable/ Envirobed® CD534 Flowable Red, which encapsulates the flange of the access frame creating a solid bed and backfill in one.

PART NO.	DESCRIPTION
S00-4035	A) ULTRACRETE PY4 SUMMER GRADE CD534 POLYESTER RESIN SYSTEM - 30X 25KG BUCKETS
S00-4048	A) ULTRACRETE PY4 WINTER GRADE CD534 POLYESTER RESIN SYSTEM - 30X 25KG BUCKETS
S00-4036	B) ULTRACRETE ENVIROBED CD534 HIGH PERFORMANCE MORTAR X 48 18KG BAGS
S00-4047	C) ULTRACRETE ENVIROBED CD534 HIGH PERFORMANCE MORTAR - 40X 18KG BUCKETS
S00-4037	D) ULTRACRETE ENVIROBED CD534 FLOWABLE HIGH PERFORMANCE MORTAR X 48 18KG BAGS
S00-4038	E) ULTRACRETE M60 RAPID STRENGTH BEDDING MORTAR - 56X 25KG BAGS
S00-4039	F) ULTRACRETE M60 RAPID STRENGTH BEDDING MORTAR - 40X 25KG BUCKETS
S00-4040	G) ULTRACRETE QC10 F RAPID SET FLOWABLE CONCRETE - 56X 25KG BAGS
S00-4045	H) ULTRACRETE ENVIROBED CD534 RED HIGH PERFORMANCE MORTAR X 48 BUCKETS
S00-4046	I) ULTRACRETE ENVIROBED CD534 RED FLOWABLE HIGH PERFORMANCE MORTAR X 48 BAGS
S00-4041	J) ULTRACRETE MORTAR BUOY - ACCESS FRAME INSTALLATION AID - GULLEY 450 X 450MM
S00-4042	J) ULTRACRETE MORTAR BUOY - ACCESS FRAME INSTALLATION AID - CW1 600 X 600MM
S00-4043	J) ULTRACRETE MORTAR BUOY - ACCESS FRAME INSTALLATION AID - CW2 1250 X 700MM
S00-4044	J) ULTRACRETE MORTAR BUOY - ACCESS FRAME INSTALLATION AID - CW3 1850 X 700MM

THERMOPLASTIC LANE MARKING TAPE

A high quality Reflective Thermoplastic Preformed Road Marking line which comes pre-beaded giving instant high reflectivity and skid properties.

It is a versatile line marking system that can be utilised for reinstatement of all types of road markings including Highways, Car Parks, Footpaths and Cycleways.

Available in white, primrose and deep cream colours as standards

Supplied in 50mm and 100mm width in 5m rolls.

PART NO.	DESCRIPTION
R99-7000	A) LANE MARKING TAPE - WHITE - 50MM X 5M
R99-7005	A) LANE MARKING TAPE - WHITE - 100MM X 5M
R99-7002	B) LANE MARKING TAPE - PRIMROSE - 50MM X 5M
R99-7007	B) LANE MARKING TAPE - PRIMROSE - 100MM X 5M
R99-7003	C) LANE MARKING TAPE - DEEP CREAM - 50MM X 5M

PART NO.	DESCRIPTION
R99-7008	C) LANE MARKING TAPE - DEEP CREAM - 100MM X 5M
R99-7004	D) LANE MARKING TAPE - RED - 50MM X 5M
R99-7009	D) LANE MARKING TAPE - RED - 100MM X 5M
R99-0400	E) STICK 2 SPRAY CONTACT ADHESIVE 500ML

CATAPHOS RUBBER PAINT

High-quality line marker paint that is specifically developed for making brilliant, long-lasting lines on hard surfaces such as asphalt and concrete. Perfect for designating parking lots, warehouses, industries, play areas, and other areas. Authorised for use on public roads. Designed to be applied in a single coat. Tough, long-lasting, chemical-resistant line marker paint that can survive heavy activity in parking lots, runways, footpaths, factories, and schools. Takes only 15 minutes to dry. Can be applied with a brush, roller, or airless spray equipment. 12-month shelf life.

Conformities: EN1871. EN1436.

Supplied in a 5 litre container
Available in: White, Yellow, Red, Black

PART NO.	DESCRIPTION
R99-7020	CATAPHOS RUBBER PAINT 5 LITRE - WHITE
R99-7021	CATAPHOS RUBBER PAINT 5 LITRE - YELLOW
R99-7022	CATAPHOS RUBBER PAINT 5 LITRE - RED
R99-7023	CATAPHOS RUBBER PAINT 5 LITRE - BLACK

CATAPHOS RUBBER PAINT SOLVENT - 5 LITRE

Cataphos rubber paint solvent is designed for cleaning brushes and equipment.

Ideal for thoroughly cleaning application equipment after use. Supplied in a 5 litre container.

PART NO.	DESCRIPTION
R99-7030	CATAPHOS RUBBER PAINT SOLVENT - 5 LITRE

ROAD MARKING CRAYONS YELLOW - BOX OF 12

These road marking crayons are made to a soft, yet Industrial quality formula meaning they mark with a clear, bold mark but last longer than an ordinary wax crayon.

Dimensions: Approx 125 x 20 x 20mm

Supplied in a box of 12.

PART NO.	DESCRIPTION
R99-3265	ROAD MARKING CRAYONS YELLOW - BOX OF 12

GRASS SEED 20KG

Rapidly established, hard wearing turf.

Supplied in a 20kg bag.

PART NO.	DESCRIPTION
R99-7024	GRASS SEED 20KG

BITUKOLD - 15KG TUB

Thixotropic bitumen emulsion for cold application to seal vertical joints.

A safe substitute for hot poured 50 pen bitumen.

Supplied in a 15 kg tub.

PART NO.	DESCRIPTION
S00-0043	BITUKOLD - 15KG TUB

LEOTAK - 25KG CONTAINER

When cured Leotak forms a thin uniform film of bitumen on the road surface which gives an adhesive bond between a bituminous overlay and an existing surface

Leotak is a cold applied rapid-acting 40% cationic bitumen emulsion. Suitable for carriageways, footways and carparks. CE marked to BS EN1380:2013 C40B.

Supplied in a 25 kg container.

PART NO.	DESCRIPTION
R99-7032	LEOTAK - 25KG CONTAINER

A-B) ASPHALT RELEASE AGENT & TOOL CLEANER

T-99 is an ideal and long lasting solution that prevents build-up of bitumen on plant, equipment and work tools

Supplied in a 1 litre container (S00-0032). Also available in 25 litre containers (S00-0033).

C) BITUKLEEN BITUMEN CLEANER - 25 LITRE

Environmentally friendly cleaning fluid for removing bitumen off rakes, shovels, paving equipment, vehicle bodywork and any other metallic surfaces.

Supplied in a 25 litre container.

D) CONCRETE RELEASE AGENT - 5 LITRE

Concrete release agent for used to prevent freshly laid concrete from adhering to the forming surface.

Supplied in a 5 litre container.

PART NO.	DESCRIPTION
S00-0032	A) ASPHALT RELEASE AGENT & TOOL CLEANER - 1 LITRE
S00-0033	B) ASPHALT RELEASE AGENT & TOOL CLEANER - 25 LITRE
S00-0042	C) BITUKLEEN BITUMEN CLEANER - 25 LITRE
S00-0031	B) CONCRETE RELEASE AGENT - 5 LITRE

EVERBUILD 208 POWDER MORTAR TONE 1KG - BLACK, BUFF, BROWN, RED

Powder Mortar Tone is formulated from best quality oxide pigments for permanently colouring all types of mortars, rendering, concrete and pointing. The pigments disperse easily into the mix to give a uniform shade for each mix batch. Shading can be adjusted to provide a wider variety of colour depths.

Features:

Permanently colours cement based products - light fast pigments will not fade. Improves workability / trowelability - contains a plasticizer. Chloride free (chloride ion content < 0.1%). Reduces bleeding/segregation. Inhibits efflorescence. Weight: 1kg

PART NO.	DESCRIPTION
R99-1230	EVERBUILD 208 POWDER MORTAR TONE 1KG - BLACK
R99-1231	EVERBUILD 208 POWDER MORTAR TONE 1KG - BUFF
R99-1232	EVERBUILD 208 POWDER MORTAR TONE 1KG - BROWN
R99-1233	EVERBUILD 208 POWDER MORTAR TONE 1KG - RED

ALL PURPOSE READY MIXED FILLER 600G

All Purpose Ready Mixed Filler is an easy-to-use and suitable for both interior and exterior use. When applied as directed, the filler dries to a smooth but tough crack resistant sandable finish, which may be painted, papered or stained. Weight: 600g.

Benefits:

- Heavy-duty tough filler - exterior & interior use
- Ready mixed formula - apply straight from tub
- Overpaintable with most solvent based and emulsion paints
- Overstainable
- Dries white

Fills gaps and holes in:

- Plaster
- Brick
- Stone
- Wood
- Render

PART NO.	DESCRIPTION
R99-1225	ALL PURPOSE READY MIXED FILLER 600G

CIVILS & SITE EQUIPMENT

CF-100 FERRET LITE MULTIPURPOSE WIRELESS INSPECTION CAMERA & CABLE PULLING TOOL

The Ferret Lite is a general-purpose inspection camera that allows you to see inside hard to reach locations. Based on the award-winning electronic design of the original Ferret, the Ferret Lite is:

• Ideal for pulling in light cable or for retrieving metallic objects in hard to reach places
• Simple and cost-effective solution for on the job or DIY projects
• Helps build an easier and safer work environment
• The most reliable and durable tools with the latest smart technology to help work faster, easier, and safer

Kit Includes: Padded EVA case, Ferret Lite camera, flexible gooseneck, turn & click front hook and magnet, locking ring, thread adaptors, USB-C charge cable, spare O-rings & instruction manual.

PART NO.	DESCRIPTION
S00-3166	CF-100 FERRET LITE MULTIPURPOSE WIRELESS INSPECTION CAMERA & CABLE PULLING TOOL

WI-FI ENDOSCOPE INSPECTION CAMERA 3.5 METRE

A compact rechargeable endoscope fitted with a waterproof camera, that's compatible with Android and IOS operating systems and wirelessly communicates to phones, tablets etc.

The flexible, semi-rigid cable bends and holds its shape making it easier to access confined spaces. The auto-exposure camera is attached with six adjustable LED lights providing exceptional picture quality.

Being IP67 rated the camera can operate underwater making it perfectly suited for inspection of ducts and pipelines etc.

Features:

• Waterproof camera for submerged applications
• Brightness controlled 6 LED lights
• Compatible with Android and IOS operating systems
• Wirelessly communicates to phones and tablets
• Flexible, semi-rigid cable bends and holds its shape
• Auto exposure camera

PART NO.	DESCRIPTION
S00-3150	WI-FI ENDOSCOPE INSPECTION CAMERA 3.5 METRE

BOSCH GIC 120C PROFESSIONAL CORDLESS INSPECTION CAMERA

Convenient inspection and documentation of hard-to-reach areas. Quick Connector technology for quickly and easily changing the camera cable and for compact storage of the tool. Compact housing with improved ergonomics – for the best handling in all situations. Digital zoom for better recognition of details. 120 cm long camera cable for better reaching of problem areas. Bright LED for illuminating dark areas. The "Up is Up"™ function offers the user optimum orientation due to automatic rotation of the image. Transfer images and videos directly via a micro USB cable or a micro SD card for documenting critical areas. Dual Power Source: Can be operated both with 10.8 V LI battery and with standard alkaline batteries.

• Battery voltage: 10.8 v & 12v Compatible
• Display size: 3.5"
• Display resolution: 320 x 240 px
• Diameter of camera head: 8.5 mm
• Length of camera cable: 120 cm
• Number of LED lighting stages: 3

Contents:

• 1x GIC 120 C Professional Inspection Camera
• 4x 1.5v (AA) Batteries
• 1x GIC Camera Cable 8.5 mm (D) x 120cm (L)
• 1x Hook, Magnet & Mirror Set
• 1x Battery Adapter for 1.5v AA
• 1x 4GB Micro SD Card
• 1x 1/2 Inlay for L-Boxx
• 1x Micro USB Cable

PART NO.	DESCRIPTION
P09-5535	BOSCH GIC 120C PROFESSIONAL CORDLESS INSPECTION CAMERA

MAXPROBE CAMERA INSPECTION SYSTEM 60M

The Maxprobe™ is a small diameter push-rod camera system, designed with the Telecoms engineer in mind. Not satisfied with just being able to survey ducts, this camera system is optimised to make the entire process easy, not just when the camera is in the duct.

Key Features:

• Inspect up to 60m of pipeline, 50mm to 300mm diameter
• Investigate pipelines, boreholes, chimneys & other cavities
• Take screenshots
• Control the lights and sonde remotely
• Store up to 32hrs worth of video on the control box
• Connect wirelessly to your mobile phone or tablet
• Create full PDF survey reports on site
• Save your entire project (inc. video) to USB device or transfer via WiFi
• Change the camera size for different pipe diameters
• IP54 rated control box, IP68 rated camera reel
• 10.4" sunlight readable screen
• 9+ hours battery life
• 32GB internal storage
• Sonde built-in to the self-levelling camera head
• WinCan Embedded* & mina survey reporting software
• Multiple charging options (12v, 110v, 240v)
• Wi-Fi enabled
• Weight 29kg

PART NO.	DESCRIPTION
S83-1895	MAXPROBE CAMERA INSPECTION SYSTEM 60M

General Hand Tools

Mills
EST. 1919

WE CAN CREATE A TOOLKIT THAT'S JUST RIGHT FOR YOU!

Mills

Custom-built toolkits

WHETHER IT'S A TOOLKIT, TOOL CASE, TOOL BAG, TOOL WALLET OR TOOLBOX, WE CAN CUSTOMISE THE CONTENTS TO BE PRECISELY RIGHT FOR YOU.

Just let us know the tools you require and we can supply a comprehensive range to suit your particular application.

- All tools of highest quality
- Mills Master Class tooling carries lifetime guarantee
- Mix and match to suit your needs
- No unwanted items

FOR ALL CUSTOM-BUILT TOOLKIT ENQUIRIES, PLEASE CONTACT OUR SALES TEAM ON
020 8833 2626

VAN KITS

BUILT TO YOUR SPECIFICATION
Send us your listing for a **FREE** quotation

Mills EST. 1918

MILLS TECHNICIANS TOOL CASE

Professional smart, stylish technician's case specially designed with the field service engineer in mind.

This lightweight yet hard-wearing briefcase style tool case is manufactured from impact resistant polypropylene combined with a strong aluminium frame.

The case also benefits from a pre-formed, three section base tray, three heavy duty hinges and two anti-burst Travel Sentry Approved toggle locks and is supplied with a comfort grip handle giving the case a carry capacity of up to 30kg.

Features:

• Robust aluminium frame

• Heavy duty comfort grip handle providing 30kg carrying capacity

• 2 x Lockable toggle anti burst Travel Sentry Approved locks supplied with 4 keys

• 3 x Heavy duty rear hinges

• 3 section preformed base tray (450 x 115 x 50mm, 330 x 205 x 50mm, 115 x 205 x 50mm)

• External Dimensions (WxHxD): 480 x 360 x 169mm

• Internal Dimensions (WxHxD): 470mm x 350mm x 160mm

• Overall weight (without tool boards) 3kg

• Carry capacity 30kg

The Mills Technicians Case is available with two toolboard options as follows:

Standard Tool board Option A

Lid side tool pallet with provision for 23 tools of varying sizes.

This board has 20 elastic loops and 3 pouches. The rear of the tool board also has a document pouch.

The base board has capacity for a further 23 tools, utilising two elastic straps of varying sizes. This board also has clips and a heatsink for soldering iron storage.

Deluxe Tool board Option B

Lid side tool board comprising 16 elastic loops and 25 pockets to securely accommodate 15 screwdrivers and 14 pliers or a combination of both. The rear of the tool board also has a document pouch.

The base board has 21 elastic straps of varying sizes, 9 open pouches, 1 sealable pouch which has clips and a heatsink for soldering iron storage.

PART NO.	DESCRIPTION
B72-0048	MILLS TECHNICIANS CASE WITH STANDARD TOOLBOARD SET A
B72-0049	MILLS TECHNICIANS CASE WITH STANDARD TOOLBOARD SET B

MILLS STORAGE POUCH

A handy small storage pouch for tool storage and consumables. The Mills storage pouch measures 300mm x 100mm and is secured with hook and loop fastening strips on three sides.

PART NO.	DESCRIPTION
B99-1832	MILLS STORAGE POUCH

MILLS SOFT POUCH

Soft carry case with zip suitable for use with tone generators, probes and other test equipment. Dimensions: 240 x 150 x 50mm.

PART NO.	DESCRIPTION
C00-9235	MILLS SOFT POUCH

DEWALT TSTAK 2.0 MOBILE BOX BUNDLE

The DEWALT TSTAK™ 2.0 Mobile Box Bundle has been designed for convenient and easy access to tools. Made up of the following cases:

1 x TSTAK™ 2.0 Mobile Storage Box with an ergonomic, telescopic handle and durable 177mm (7in) wheels for easy transportation of heavy tools. It has a removable, half-size, internal tote tray for easy access to key hand tools, fixings and power tool accessories. A high-performance seal in the lid provides water and dust protection (IP54) to power and hand tools in the box.

DEWALT Tracker compatible, an internal fixing point allows the DEWALT Tracker (not supplied) to be installed and the box tracked via the DEWALT Tool Connect App. There is also a handy name panel insert, this allows boxes to be labelled for easy identification.

1 x TSTAK™ I Accessory Case made from 3mm polypropylene plastic. Its solid metal hinges and heavy-duty metal latches make it highly robust. In addition, it has a strong metal handle. It has 2 compartments to separate smaller and larger accessories for greater organisation.

1 x TSTAK™ V Clear Lid Organiser with 2 large and 5 small removable storage cups for storing small parts and accessories. Its unique, heavy-duty lid design locks all compartments in place for secure storage. A built-in wide handle allows easy and stable portability, whilst the clear and impact resistant lid allows full visibility for quick access.

All can be stacked and clipped to other TSTAK™ toolboxes via durable, metal pin side latches. This allows numerous boxes to be stacked and held securely together for easier transport.

Overall Dimensions (DxWxH): 335 x 515 x 710mm.

TOOLS NOT INCLUDED

PART NO.	DESCRIPTION
B70-0057	DEWALT TSTAK 2.0 MOBILE BOX BUNDLE

GENERAL HAND TOOLS

MILWAUKEE PACKOUT TROLLEY STORAGE SET

The Milwaukee Hand Tools PACKOUT™ Trolley Set contains a selection of cases constructed from impact-resistant polymers for jobsite durability. With reinforced metal corners and locking points.

The lids are fitted with an IP65 rated weather seal to keep out rain and jobsite debris. All boxes feature a mounting location for the ONE-KEY™ TICK™ and each of them come with an internal organiser tray.

TOOLS NOT INCLUDED

Contains the following:

- 1 x PACKOUT™ Trolley Case, fitted with an industrial grade extension handle and oversized Ø228mm all terrain wheels.
  - Dimensions: 560 x 410 x 480mm
  - Load Capacity: 113kg
- 1 x PACKOUT™ Case 2, fitted with a metal reinforced top handle for easier carrying.
  - Dimensions: 560 x 410 x 290mm
  - Load Capacity: 34kg
- 1 x PACKOUT™ Case 3
  - Dimensions: 560 x 410 x 170mm
  - Load Capacity: 45kg

PART NO.	DESCRIPTION
B72-0053	MILWAUKEE PACKOUT TROLLEY STORAGE SET

STANLEY MOBILE JOB CHEST 91 LITRE

This Stanley Mobile Job Chest has extra-large durable rust resistant metal latches with padlock eyes for security. It has a 91-litre capacity which makes it ideal for storage and easy transportation for larger tools, general equipment, and workshop materials.

The removable tote tray fits neatly into the wide soft grip telescopic handle. The top lid has butterfly screws for attaching levels, hand saws and other accessories. Easily transportable with heavy-duty roadtested wheels.

Features:

- 91 Litre capacity
- Butterfly screws on top lid for attaching level, hand saw and other accessories
- Extra large rust resistant metal latches, durable and long lasting with padlock eyes for security
- Heavy duty road tested wheels
- Maximum storage and easy transportation for larger tools, general equipment and workshop materials
- Removable tote tray fits neatly into the telescopic handle
- Wide telescopic steel handle with soft grip, suitable for use with gloved hands.
- Dimensions: 768mm x 490mm x 476mm

PART NO.	DESCRIPTION
B94-3355	STANLEY MOBILE JOB CHEST 91 LITRE

STANLEY FATMAX TOOL CHEST 240 LITRE

The Stanley FatMax® Tool Chest has an extra large capacity of 240 litres. It features innovative top aluminium rails, allowing materials to be strapped to the top of the chest.

The tool chest has an IP65 rated water seal for protection against the elements and has heavy-duty metal latches and hinges for added durability. Its 7 1/2 inch rubber wheels allow easy manoeuvrability.

Features

- Aluminium Rails For Strapping Materials on top
- IP65 Waterseal
- Wide Telescopic Handle
- 7 1/2" Diameter Rubber Wheels
- Heavy Duty Hinges and Latches

Specifications

- Capacity - 240 litres
- Weight - 15.5Kg
- Dimensions - 590 x 990 x 620mm

PART NO.	DESCRIPTION
B94-3354	STANLEY FATMAX TOOL CHEST 240 LITRE

GENERAL HAND TOOLS

STANLEY 3 TIER ROLLING WORKSHOP

Rolling Workshop with Metal Latches is a portable workshop solution which features an extra-large bin, a medium sized portable tote tray and a medium sized tool box - making it ideal for storing power tools, hand tools, fixings and accessories. Complete with a padlock eye for security, a telescopic pull handle for easy transportation to and from site, as well as 7-inch wheels for durability and stability even on rough surfaces.

Additional Features

• Additional Features

• Portable Tray: For carrying small hand tools.

• Metal rust-proof latches: For durability.

• Side latches: For connecting each section of the rolling workshop.

• Telescopic pull handle: For easy transportation to and from site. The handle can be lowered for storage in cars and vans.

• 7-Inch wheels: For durability and stability, even on rough surfaces.

• Padlock eye: Located on the tool box, for security.

• Maximum load capacity: 20kg.

• Dimension: 47.5 x 63 x 28.3cm.

PART NO.	DESCRIPTION
B70-1601	STANLEY 3 TIER ROLLING WORKSHOP

STANLEY CLASSIC PRO-MOBILE JOB CHEST

Pro Mobile Job Chest with Removable Organiser is designed for storing power tools and hand tools. It features an integral removable organiser, stored in the lid, for small parts and accessories, as well as an internal removable tray. The Job Chest also features an integrated V-groove, located on the lid, making it suitable for sawing pipes and lumber. Complete with side metal latches for durability, a pull handle for easy transportation and a padlock eye for safety.

Additional Features

• Metal latches: For durability.

• Integrated v-groove: Located on the lid, suitable for sawing pipes and lumber.

• Textured pull handle: For manoevrability, which can be foded down to conveniently fit into a car or van.

• Padlock eye: For security.

• Maximum load capacity: 35kg.

• Maximum volume: 65 litres.

• Dimensions: 62 x 42.5 x 37.5cm

PART NO.	DESCRIPTION
B70-1602	STANLEY CLASSIC PRO-MOBILE JOB CHEST

STANLEY MOBILE WORK CENTRE

Rolling Workshop with Metal Latches is a portable workshop solution which features an extra-large bin, a medium sized portable tote tray and a medium sized tool box - making it ideal for storing power tools, hand tools, fixings and accessories. Complete with a padlock eye for security, a telescopic pull handle for easy transportation to and from site, as well as 7-inch wheels for durability and stability even on rough surfaces.

• 2 in 1 - separates in seconds into 2 units

• Extra large tool box with removable tote tray

• Giant lower bin ideal for bulky materials and equipment

• Swivel front drawer (carousel) and lid organisers for small parts

• Telescopic handle for easy manoeuvrability

• Large 40kg load capacity

• Dimensions: 475 x 284 x 570mm

TOOLS NOT INCLUDED

PART NO.	DESCRIPTION
B70-3345	STANLEY MOBILE WORK CENTRE

FATMAX CANTILEVER MOBILE WORKSTATION

The STANLEY® FATMAX® Rolling Workshop with Metal Latches is a portable workshop solution that includes an extra-large lower bin, large adjustable organiser and tool box - making it ideal for storing power tools, hand tools, small parts, and accessories. It features a cantilever design that provides quick and easy access to 3 levels of tools and parts. Complete with a padlock eye for security, a telescopic pull handle for easy transportation and heavy-duty wheels for durability and stability, even on rough surfaces.

• Removable organiser dividers: For storing nails, screws and other small components.

• Tool box removable tray: For storing smaller hand tools.

• Large metal rust-proof latches: For durability.

• Integral v-groove: For holding and sawing timbers, pipes and plastic tubing.

• Telescopic pull handle: For easy transportation to and from site. The handle can be lowered for storage in cars and vans.

• Heavy duty wheels: For durability and stability, even on rough surfaces.

• Padlock eye: For security.

• Durable construction: For long working life.

• Maximum load capacity: 50kg.

• Dimensions: 55 x 73.3 x 41.2cm

PART NO.	DESCRIPTION
S83-2710	FATMAX CANTILEVER MOBILE WORKSTATION

MILLS HEAVY DUTY INSTALLER'S TOOLBOX

This toolbox is ideal for professional and trade use. Constructed from a combination of tough high impact plastic with heavy duty bright yellow steel body. A pull out inner tote tray allows for storage of smaller items and the lid incorporates a stainless steel groove section which is ideal for resting work, such as pipes or wood, prior to cutting.

The toolbox also benefits from a soft grip handle and can be secured by the use of two double latches and padlock eye. The heavy duty construction of the box also means it can be used as a step.

External dimensions: 570mm (22.5") x 250mm (10") x 220mm (9½").

20kg Load Capacity

PART NO.	DESCRIPTION
B70-8209	MILLS HEAVY DUTY INSTALLER'S TOOLBOX

STANLEY ESSENTIAL 19" TOOLBOX

The STANLEY® 19 inch Tool Box with Metal Latches is ideal for storing your everyday essential tools.

Features
- Metal rust-proof latches: For durability.
- Padlock eye: For security.
- Top recess compartment: For holding screws and washers.
- Compact & lightweight: For easy transportation.
- Maximum load capacity: 8kg.
- Maximum volume: 16.8 litres.
- Dimensions: 48.2 x 25.4 x 25cm.

PART NO.	DESCRIPTION
B70-0059	STANLEY ESSENTIAL 19" TOOLBOX

STANLEY ESSENTIAL 26" TOOLBOX

The STANLEY® 26 inch Tool Box with Metal Latches is the larger capacity brother to STANLEY® 19 inch Tool Box (B70-0059).

Features
- Metal rust-proof latches: For durability.
- Padlock eye: For security.
- Top recess compartment: For holding screws and washers.
- Compact & lightweight: For easy transportation.
- Maximum load capacity: 25kg.
- Maximum volume: 33 litres.
- Dimensions: 66.5cm x 28 x 33.5cm.

PART NO.	DESCRIPTION
B70-0058	STANLEY ESSENTIAL 26" TOOLBOX

FATMAX 23" WATERPROOF TOOLBOX

- Constructed of structural foam for extra strength
- Inner tote tray for storage of smaller items
- Integrated V-Groove on top lid for sawing
- Large metal rust proof latches with padlock for locking possibilities
- Dimensions: 590 x 310 x 270mm

PART NO.	DESCRIPTION
B70-3347	FATMAX 23" WATERPROOF TOOLBOX

FATMAX 20" TOOLBOX

- Tall box provides extra height for storage
- Innovative vertical storage unit for better organisation
- Large metal rust proof latches with padlock eye keep tools safe
- 3/4 length tote tray is designed to carry tools and small parts and enables storage of larger tools inside the tool box
- Dimensions: 500 x 290 x 300mm

PART NO.	DESCRIPTION
B70-6169	FATMAX 20" TOOLBOX

GENERAL HAND TOOLS

EXTRA HEAVY DUTY TOOLBOX

As used & approved by public utilities.
An injection moulded robust toolbox specifically designed for the public utilities & incorporating the following features:

**COLOUR
SUBJECT
TO CHANGE**

- 2 tool trays
- Heavy duty toggle latch closures
- Steel pinned rear hinges
- Maximum carrying capacity 16kg
- Steel carrying handle
- Integral foam kneeling pad
- External dimensions:
  492 x 260 x 250mm

PART NO.	DESCRIPTION
B00-7911	EXTRA HEAVY DUTY TOOLBOX

STANLEY PLASTIC TOTE TRAY

This Stanley Tote Tray provides easy, portable storage. It features 2 deep compartments and is complete with screwdriver and chisel slots to keep tools well organised.

Dimensions: 49.6 x 33.5 x 19.5cm.

PART NO.	DESCRIPTION
B72-0030	STANLEY PLASTIC TOTE TRAY

PROFESSIONAL ENGINEER'S HEAVY DUTY TOTE BOX WITH DRAWER

3 compartment open toolbox for storage of tools complete with a drawer for small items and accessories. This burn box is made from polypropylene with a load capacity of 25kg.

Dimensions: Height 230mm x Width 476mm x Depth: 228mm
Weight: 1.82kg

PART NO.	DESCRIPTION
R99-7407	PROFESSIONAL ENGINEER'S HEAVY DUTY TOTE BOX WITH DRAWER

STANLEY FATMAX 10" TECHNICIAN TOTE BAG

The STANLEY® FATMAX® 10 Inch Technician's Tool Tote has an open structure for quick and convenient access to tools. It features a removable divider with belt clip, which holds frequently used tools, a covered drill bit compartment with drill bit holders inside, and an integral tape holder. The tote has a rigid waterproof base which protects contents from dirt and moisture, and is complete with a padded shoulder strap and a soft-grip carry handle for comfort and ease of transportation. Made from heavy duty 600 denier fabric for long lasting durability.

PART NO.	DESCRIPTION
B70-0064	STANLEY FATMAX 10" TECHNICIAN TOTE BAG

MILLS UTILITY TOTE TOOL BAG

Utility tote tool bag, designed in association with the leading communication utility companies.

The bag has 12 external sealable pockets, ideal for tools, connectors, test meters and PDA's ,together with 3 external tool loops for larger items such as hammers etc. Internally the bag has a further 5 tool pockets and 8 tool loops.

Features:
- 12 external pockets with flaps
- 3 tool loops
- Customisable logo pad
- Carry handle with comfort grip
- Overall cover flap
- Shoulder strap
- 5 internal pockets
- 8 internal tool loops
- Dimensions 470 x 300 x 250mm
- Maximum weight capacity: 15kg

**TOOLS
NOT
INCLUDED**

PART NO.	DESCRIPTION
B70-0600	MILLS UTILITY TOTE TOOL BAG

FATMAX OPEN TOTE BAG 18 INCH

- FatMax Maximum tool protection: with its rigid and waterproof plastic bottom
- Reinforced stress points: industrial leather provides extra strength and carry comfort
- Heavy-duty steel handle with rubber grip: makes lifting more secure and comfortable
- Easy tool access: open structure makes for quick and easy tool access
- Keep everything in place: with the non-slip rubber straps for spirit level storage and large side pocket for cable
- Stay organised: with the internal tool loops, covered compartments, including one with a drill bit holder inside, durable saw storage pocket and steel holder for your measuring tape
- Dimensions 450 x 240 x 360mm

STANLEY
FatMax®

PART NO.	DESCRIPTION
B70-1241	FATMAX OPEN TOTE TOOL BAG 18"

FATMAX TOOL BAG

- 20" tool bag made from heavy duty 600 denier fabric with leather reinforcements
- Rigid and waterproof plastic base
- Comfortable rubber grip handle
- Shoulder strap – allows easier carrying of heavy loads
- Interior tool loops
- Dimensions: 490 x 260 x 100mm

STANLEY
FatMax®

PART NO.	DESCRIPTION
B70-3349	FATMAX TOOL BAG

MILLS SUPER-WIDE OPENING TOOL BAGS

High quality multi-pocketed bags complete with shoulder straps and soft sides to not only protect expensive tools and testers but also to prevent damage to customers walls and floors. The bags are available in two sizes:

A) Standard bag - 430mm L x 245mm W x 280mm H

B) Junior bag - 280mm L x 180mm W x 235mm H

C) Mills Tool Bag Lifting Hanger

B

A

NOW WITH REINFORCED PLASTIC BASE

TOOLS NOT INCLUDED

C

PART NO.	DESCRIPTION
B72-5810	A) STANDARD TOOL BAG
B72-5811	B) JUNIOR TOOL BAG
R02-4674	C) MILLS TOOL BAG LIFTING HANGER

GENERAL HAND TOOLS

STANLEY 16IN OPEN MOUTH TOOL BAG

The STANLEY® 16 Inch Open Mouth Tool Bag is ideal for storing hand tools and accessories. Features multiple internal pockets for organising tools, and a covered front pocket for securely storing small parts or personal items. Complete with an adjustable shoulder strap for ease of transportation. Multiple internal pockets: For organisation of tools.

- Maximum load capacity: 15kg.
- Maximum volume: 20 litres.
- Dimensions:
  43 x 27.5 x 23.5cm.

PART NO.	DESCRIPTION
B70-0063	STANLEY 16IN OPEN MOUTH TOOL BAG

FATMAX 18IN TOOL BAG

The STANLEY® FATMAX® 18 Inch Tool Bag has a wide opening zip design for quick and convenient access to hand tools, small power tools and parts. The bag features multiple internal and external pockets for organising small tools or personal items.. Complete with an adjustable shoulder strap and a soft-grip carry handle for comfort and ease of transportation.

Additional Features

- Maximum load capacity: 20kg.
- Maximum volume: 26.5 litres.
- Dimensions:
  46 x 31 x 21cm

PART NO.	DESCRIPTION
B70-0062	FATMAX 18IN TOOL BAG

HI VIS TOOL BAG

Heavy duty Polyester Hi-Vis Toolbag with reflective strips, ideal for the on-site engineer. The bag has 7 internal pockets, 23 external pockets and benefits from an adjustable shoulder strap.

External dimensions: 600 x 280 x 260mm.

Weight: 1.6kg.

PART NO.	DESCRIPTION
B72-6628	HI VIS TOOL BAG

MILLS LARGE TOOL WALLET

A simple zip-up design, with a variety of tool holding loops inside, the Mills tool wallet presents a stylish, neat and organized way to keep your most essential tools to hand. Storage for approximately 33 tools.

External dimensions 345 x 270 x 60mm.

PART NO.	DESCRIPTION
B72-0604	MILLS LARGE TOOL WALLET

MILLS HEAVY DUTY FIBRE OPTIC TOOLBAG

A specialist tool bag specifically designed for the fibre optic installer which is ideal for carrying all the essential tooling and test equipment for fibre splicing, cleaning and inspection.

The Mills Heavy Duty Fibre Tool Bag features four external pockets, one specifically designed to accept the Mills C00-6407 Sharps Box (available separately). In addition the bag has a further eight internal storage pockets.

Approx Dimensions: 32.5 x 22.5 x 18.5cm

PART NO.	DESCRIPTION
B70-6917	MILLS HEAVY DUTY FIBRE OPTIC TOOLBAG

MILLS FIBRE CLEANING KIT BAG EMPTY

A simple zip-up design, with a variety of tool holding loops inside, the Mills Durable nylon fibre cleaning bag for holding fibre cleaning products, 0.3 litre sharps bin and small tools (not included).

Supplied with twin zips and integral sharps bin pocket.

Dimensions:
L 230mm x W 130mm x H 140mm.

PART NO.	DESCRIPTION
B72-0052	MILLS FIBRE CLEANING KIT BAG EMPTY

STANLEY WHEELED SOFT BAG

The Stanley Wheeled Soft Bag has a rigid bulky structure design and removable dividers which are hard wearing, strong and durable. In addition, the extendable easy carriage handle makes it convenient to manoeuvre the bag.

It has multiple internal and external pockets for maximum organisation and secure storage of small parts or personal items.

Dimensions: W 460 x D 330 x H 450mm.

TOOLS NOT INCLUDED

STANLEY

PART NO.	DESCRIPTION
B70-4103	STANLEY WHEELED SOFT BAG

WHEELED HOLDALL 600MM

Manufactured from water repellent polyester with PVC backing on wheels with foldaway handle which retracts into base. Rope reinforced handles, nylon zip with framed opening and reinforced base with rubber grip squares.

Multiple internal and external pockets of different sizes for storing tools and accessories.

Supplied with detachable shoulder strap.

Overall size:
W 600 x D 300 x H 350mm

Weight: 2.97kg

PART NO.	DESCRIPTION
B72-0601	WHEELED HOLDALL 600MM

FATMAX TOOL ORGANISER BAG

STANLEY FatMax

The Stanley FatMax® Tool Organiser Bag can be easily converted into a work station once opened (A-frame structure). For comfortable transportation it features padded shoulder straps and a rubber handle.

Offers outer storage with outside pockets for frequently used tools. On both sides the covers open outwards providing 100% visibility of all tools and they are organised in an upright position to enable easy access while on the job.

Dimensions:
W 440 x D 390 x H 250mm

PART NO.	DESCRIPTION
B70-3350	TOOL ORGANISER BAG

MILLS DRILL BIT ROLL

No more rummaging around blindly in the bottom of your tool bag for that drill bit with the new Mills drill bit roll holder. Specifically designed to store and transport drill bits, enabling quick and easy access and identification to the bits inside (bits not included).

Features 12 x 8mm wide pockets, 6 x 15mm deep pockets and 6 x 38mm deep pockets. Secured with three quick-release buckles when rolled up and featuring a carrying handle.

TOOLS NOT INCLUDED

PART NO.	DESCRIPTION
B70-4505	DRILL BIT ROLL

MILLS ENGINEERS TOOL CASE

The Mills Engineers Tool Case is ideal for the technician on the move, featuring 50 pockets and holders including fold out panels for easy tool access, a separate padded central compartment for your laptop. and a heavy duty rubberised base.

Features

- 100% waterproof and crackproof rubberised base
- Padded handle and shoulder strap for maximum comfort
- Dimensions: W 460 x D 420 x H 210mm

PART NO.	DESCRIPTION
B72-6996	MILLS ENGINEERS TOOL CASE

MILLS TOOL AND LAPTOP CASE

Mills multifunctional tool and laptop bag, manufactured in black and dark grey, from a tear resistant fabric.

Features:

- 7 open external padded tool pockets
- 1 open external document pocket
- 1 large external zipped closed pocket containing 8 tool pockets
- 1 large zipped closed fold-out compartment containing 16 tool pockets
- Padded adjustable shoulder carrying strap
- External dimensions W 410 x D 330 x H 140mm

PART NO.	DESCRIPTION
B72-0658	MILLS TOOL AND LAPTOP CASE

GENERAL HAND TOOLS

MILLS HEAVY DUTY TOOL APRON

Manufactured from heavy grade Cordura style material with robust fully adjustable webbing belt. Features 9 pockets, 3 loops plus hammer ring for efficient organisation also features reflective strips for site safety.

Dimensions: 600 x 255 x 75mm

PART NO.	DESCRIPTION
B29-6720	MILLS HEAVY DUTY TOOL APRON

STANLEY BACKPACKS

A) FATMAX BACKPACK
• Constructed from durable 600 x 600 denier fabric
• 50 Pockets / tool holders for a wide variety of tools, including longer tools on the side
• Waterproof plastic bottom protects against moisture and dirt
• Removable dividers system with tool holders is easily detachable
• External Dimensions: 360W x 460H x 270D mm

B) BACKPACK 35CM 14IN
• PADDED INTERNAL COMPARTMENT: Ideal for electronic devices and documents.
• INTEGRAL TOOL LOOP: For maximum organisation and storage of large items, such as spirit levels.
• FRONT ZIP COMPARTMENT: For storing personal belongings securely.
• DURABLE DESIGN: Made from heavy-duty 600 denier fabric.
• MAXIMUM LOAD CAPACITY: 15kg.
• MAXIMUM VOLUME: 15 litres.
• DIMENSIONS: 30.5 x 47.5 x 18.5cm.

C) FATMAX BACKPACK ON WHEELS 54CM 21IN
The Stanley FatMax® Backpack combines a mix of "on wheels" and "on back" carriage for easy and convenient tool transporting.

Made from heavy-duty 600 denier fabric for long-lasting durability and has an extendable metal handle for easy transportation.

The backpack has removable internal divider with multiple pockets for a variety of tools, a laptop compartment and multiple loop and external pockets for additional storage.

PART NO.	DESCRIPTION
B70-3351	A) STANLEY FATMAX BACKPACK
B72-0660	B) STANLEY BACKPACK 35CM 14IN
B70-1599	C) STANLEY FATMAX BACKPACK ON WHEELS 54CM

A) BELT POCKET

A heavy duty tool bag and pouch manufactured for the telecommunication engineer from heavy grade Cordura style material with robust fully adjustable webbing belt.

It features 4 pockets (1 large, 1 medium and 2 small) and is ideal for the storage of hand tools, cleats and consumables. The base and corners of the belt pocket has been reinforced with 2 layers of material.

Dimensions: Width 260mm x Height 375mm
Ref: 058524 / 129466

B) MILLS STORAGE POUCH

A handy small storage pouch for tool storage and consumables. The Mills storage pouch measures 300mm x 100mm and is secured with hook and loop fastening strips on three sides.

PART NO.	DESCRIPTION
S83-0845	A) BELT POCKET
B99-1832	B) MILLS STORAGE POUCH

A) DEWALT TOOL BELT APRON

The perfect combination of a multi purpose pouch with multiple sized pockets & loops to maximise organisation of tools and small items, a drill holster and a hammer loo. Suitable for left or right handed users Heavy duty leather reinforced belt with 2-pin belt buckle ensuring the belt is secured whilst carrying heavy loads. Also features integrated metal clip tape holder and has large closed zipped pocket suitable for essentials such as wallet, keys and smartphone

Specifications:
*   1200-denier strong durable polyester fabric
*   Width: 120 mm
*   Depth: 560 mm
*   Height: 390 mm

B) DEWALT HEAVY DUTY TOOL BELT NAIL POUCH

The DeWalt Heavy Duty Tool Belt Nail Pouch has multiple size pockets and loops which maximise the organisation for your tools and smaller items. A large zipped pocket is suitable for personal essentials such as wallet, keys and mobile phone.

Specifications:
*   Denier: 1200
*   Width: 290 mm
*   Depth: 180 mm
*   Height: 360 mm

C) DEWALT DRILL HOLSTER

The DeWalt Drill Holster features a leather strap and quick-release buckle to hold the drill securely in place and is designed for left or right handed users.

Specifications:
*   Denier: 1200
*   Width: 170 mm
*   Depth: 45 mm
*   Height: 305 mm

D) DEWALT HAMMER LOOP

An all-purpose hammer loop by DeWalt which offers storage and ease of access to your hammer whilst on the job.

Specifications:
*   Denier: 1200
*   Width: 125 mm
*   Depth: 70 mm
*   Height: 140 mm

E) DEWALT FULL LEATHER BELT

The DeWalt Full Leather Belt is manufactured from high quality heavy duty leather and is perforated to suit waist sizes from 29 to 46". With a width of 2" it is durable to enable the carrying of heavy loads.

PART NO.	DESCRIPTION
B29-3494	A) DEWALT TOOL BELT APRON
B29-3191	B) DEWALT DWST175650 NAIL POUCH
B29-3223	C) DEWALT DWST175653 DRILL HOLSTER
B29-3484	D) DEWALT HAMMER LOOP
B29-3225	E) DEWALT DWST175661 LEATHER BELT

GENERAL HAND TOOLS

RAACO ASSORTER PARTS BOXES (SMALL)

High Quality Raaco Assorter Boxes fitted with sliding lock. Made of polypropylene (PP).

• Made of high impact polypropylene • Sliding locks secure the lid • Lid attached by three unbreakable hinges
• Clear lid making contents visible • Made in Denmark

A) Raaco Assorter 6-7 136136.

B) Raaco Assorter 5-9 136150.

C) Raaco Assorter 6-12 136143

PART NO.	DESCRIPTION
T94-1119	A) 7 COMPARTMENT PARTS BOX DIMENSIONS: 175 X 145 X 32MM
T94-1120	B) 9 COMPARTMENT PARTS BOX DIMENSIONS: 240 X 195 X 43MM
T94-1121	C) 12 COMPARTMENT PARTS BOX DIMENSIONS: 175 X 143 X 32MM

RAACO ASSORTER PARTS BOXES (MEDIUM)

High Quality Raaco Assorter Boxes fitted with sliding locks. Made of polypropylene (PP).

• Made of high impact polypropylene
• Sliding locks secure the lid
• Lid attached by three unbreakable hinges
• Clear lid making contents visible
• Made in Denmark

Available in 3 sizes.

A) Raaco 136167 Assorter. With 18 fixed compartments. Fitted with sliding locks. Made of polypropylene (PP).

• Height 43 mm
• Width 240 mm
• Depth 195 mm

B) Raaco 136174 Assorter. With 15 fixed compartments. Fitted with sliding locks. Made of polypropylene (PP).

• Weight 0.305 kg
• Height 57 mm
• Width 338 mm
• Depth 260 mm

C) Raaco 136181 Assorter. With 32 fixed compartments. Fitted with sliding locks. Made of polypropylene (PP).

• Height 57 mm
• Width 338 mm
• Depth 260 mm

PART NO.	DESCRIPTION
T94-7525	A) RAACO ASSORTER 5-18 PARTS BOX
T94-7526	B) RAACO ASSORTER 4-15 PARTS BOX
T94-7527	C) RAACO ASSORTER 4-32 PARTS BOX

RAACO CARRYLITE PARTS BOXES (LARGE)

A) Raaco 143615 compartment box. With 16 inserts. The box is fitted with 2 sliding locks and handle, made of polypropylene with a strong polycarbonate lid.

• Dimensions 57 x 337 x 278mm

B) Raaco 143608 compartment box. With 9 inserts. The box is fitted with 2 sliding locks and handle, made of polypropylene with a strong polycarbonate lid.

• Dimensions 79 x 337 x 278mm

PART NO.	DESCRIPTION
T94-7529	A) RAACO CARRYLITE 55 4X8-16
T94-7530	B) RAACO CARRYLITE 80 4X8-9

RAACO HANDYBOX

Raaco's 136242 HandyBox system was designed to enable Assorters to be transported all together. The system allows storage of up to 4 Assorters for easy transportation. The HandyBox comes complete with 2 x Assorter 55 4x8-15 and 2 x Assorter 55 4x8-17.

• Dimensions 310 mm x 376 mm x 265 mm

PART NO.	DESCRIPTION
T94-7528	RAACO HANDYBOX 55X4

SORTMASTER ORGANISER

Unique angled corners accommodate angled tools such as hammers. Removable dividers allow a combination of tools and small parts storage. Special lid structure prevents small parts moving from one compartment to another. Top lid lock keeping contents secure inside.

• Dimensions: 430 x 330 x 90mm.

Fixings not included.

STANLEY

PART NO.	DESCRIPTION
B94-3353	A) SORTMASTER ORGANISER
B70-0060	B) SORTMASTER ORGANISER TWIN PACK

FATMAX® SHALLOW PROFESSIONAL ORGANISER

FatMax® Shallow Professional Organiser has 10 removable storage compartments, providing storage for small parts, components or accessories. It is made from transparent polypropylene and features a waterproof seal that not only prevents water, but also rust and foreign particles from entering. It has metal catches.

A plastic handle with textured grip allows the organiser to be moved comfortably. For added versatility, multiple organisers can be clipped together using the side latches for easy transportation.

• Dimensions: 446 x 357 x 74mm Water resistant to IP53

STANLEY FatMax

PART NO.	DESCRIPTION
B72-7406	SHALLOW PROFESSIONAL ORGANISER

FATMAX DEEP PRO ORGANISER

Features:
• 12 removable storage compartments for small parts
• Waterproof seal protects the contents from rust and foreign particles
• Polypropylene lid that is virtually unbreakable
• Metal latches provide additional strength and improve loading capabilities
• Side latches allow multiple organisers to be clipped together for easy transportation
• Unique lid design locks all compartments in place

Dimensions: 450 x 360 x 120mm.

STANLEY FatMax

Fixings not included.

PART NO.	DESCRIPTION
B94-2889	DEEP PRO ORGANISER

STANLEY SORT MASTER MULTI-LEVEL ORGANISER

The Stanley Sort Master™ Multi-Level Organiser has a transparent lid which allows visibility of it contents. Its cantilever design ensures the ability to access each level independently. This organiser has a suitcase style carry handle for easy carrying.
Supplied with 4 removable dividers and 12
removable cups:
6 of 109 x 79 x 44mm
6 of 52 x 79 x 44mm
Specification
Closed Dimensions (WxDxH):
300 x 400 x 137mm
Extended Top Dimensions (WxDxH):
560 x 300 x 137mm

PART NO.	DESCRIPTION
B70-1600	STANLEY SORT MASTER MULTI-LEVEL ORGANISER

STANLEY 3 IN 1 TOOL ORGANISER

This Stanley 3-In-1 Tool Organiser is made from 2mm Polypropylene plastic so it is tough and durable. When closed the case has a robust structure that provides durability and security whilst in transit.
The case has a 15kg weight limit. Other features include movable dividers that provide specific configuration for smaller parts and / or tools and power tools, and a central rigid tote that is perfect for hand tools. Each side is fitted with a polypropylene lid to keep everything in its place.
External Dimensions
(H x W x D):
420 x 695 x 325mm.

PART NO.	DESCRIPTION
B70-6563	STANLEY 3 IN 1 TOOL ORGANISER

ATTACHED LID BOXES

Features:
• Wide, comfortable hand grips
• Colour green
• Card label holders on both ends
• Reinforced base - ideal for use on all types of conveyor
• Capacity 50 litre
• External dimensions L 600 x W 400 x H 320mm

PART NO.	DESCRIPTION
B00-3008	ATTACHED LID BOXES

TOTE CONTAINERS

Large empty Tote container c/w carry handles 600 x 400 x 220mm.
Available with optional loose lid if required.

PART NO.	DESCRIPTION
B70-0067	LARGE EMPTY TOTE CONTAINER
B70-0378	OPTIONAL LID FOR ABOVE (B70-0067)

FOLDING TROLLEY 3 LEVEL

Folding composite trolley with a 25kg capacity per shelf.
• Walls on all four sides to stop items from sliding off the trolley.
• Four large castors, two locking.
• Folds up in seconds for easy storage when not in use.
• Overall Size (W x D x H): 670 x
• Capacity: 25kg/Level
• Nett Weight: 6.42kg
• Shelf Size (W x D): 595 x 370mm

PART NO.	DESCRIPTION
B72-0040	FOLDING TROLLEY 3 LEVEL

LIGHT DUTY PLASTIC FOLDING TROLLEY

A folding rubber wheeled trolley, ideal for transporting lighter items. It can be folded flat when not in use, making it easy to store and ideal for use in environments where transportation of multiple items is required.
Features
• Large capacity loading box
• Maximum load of 20kg
• Lightweight, plastic construction
• Aluminium handle with plastic grip
• Extendable handle to 810mm
• Unfolds and sets up in seconds
• Folded Dimensions (HxWxL): 380mm x 360mm x 80mm
• Open Dimensions (HxWxL): 380mm x 360mm x 300mm

PART NO.	DESCRIPTION
B72-0042	LIGHT DUTY PLASTIC FOLDING TROLLEY - MAX 20KG

FOLDING TROLLEY

Constructed from lightweight aluminium and plastic with extendable back, folding anti-slip surface foot-iron and wheels. Designed with quick release button for easy handle extension.

A) Standard model (390mm width, 430mm length, 50kg capacity).

B) Large model (490mm width, 490mm length, 125kg capacity) Features elasticated load retaining strap.

OPENS & FOLDS AWAY IN LESS THAN 5 SECONDS

A

B

PART NO.	DESCRIPTION
B99-2004	A) STANDARD TOE FOLDING TROLLEY
B99-2005	B) LARGE TOE FOLDING TROLLEY

ROLLING TRANSPORT DOLLY

Transport Dolly provides an easy and convenient way of transporting heavy and bulky items on site, in the office or at home. It is lightweight and small with an integrated handle that allows it to be easily carried and stored away.

Technical Specs:
Loading capacity: 200kg
Size: 580 x 290 x 18mm

PART NO.	DESCRIPTION
B99-3584	ROLLING TRANSPORT DOLLY

MINI FOLDING HAND TRUCK

Lightweight steel frame holds up to 45kg. Folds compactly for ease of storage. Toe plate and wheels open simultaneously.

Specifications:
• Steel frame with PP wheel
• Aluminium toe plate
• Folded Dims: 390 x 55 x 700mm
• Open Dims: 390 x 375 x 950mm
• Max load: 45kg

PART NO.	DESCRIPTION
B99-0301	FOLDING HAND TRUCK

STAIR CLIMBER TROLLEY

200kg capacity heavy duty steel frame 6-rubber wheel stair climbing sack truck/trolley cart with folding toe.

Specifications:
• Dimensions approx: 255 x 185 x 455mm (L x W x H)
• Folded: 17 x 18.5 x 35"
• Steel centered pneumatic 6.3" wheels
• Bearing plate: Approx. 12 x 12"
• Weight: 17.2kg

PART NO.	DESCRIPTION
B99-4734	STAIR CLIMBER TROLLEY

HEAVY DUTY SACK TRUCK

High quality tubular steel frame with pneumatic tyres and hand grips on handles.

Specifications:
• Maximum capacity: 250kg
• Toe plate size: 253 x 355mm
• Toe plate thickness: 4mm
• Unladen weight: 11kg
• Overall size: 1220 x 530 x 487mm (L x W x H)

PART NO.	DESCRIPTION
B99-6550	3 IN 1 HEAVY DUTY SACK TRUCK

GENERAL HAND TOOLS

MILLS MASTERCLASS CHROME VANADIUM PLIERS AND CUTTERS

Professional quality, drop forged from chrome vanadium steel, hardened and tempered with additionally induction hardened cutting edges. Lacquered finish for corrosion protection and bi-material "Energy grip" handles for better control, grip and added comfort.

Supplied with Lifetime guarantee.

Available in 160mm Combination, 160mm Long Nose and 160mm Side Cutter.

Mills MASTER Class AS GOOD AS IT GETS

LIFETIME GUARANTEE

PART NO.	DESCRIPTION
E70-4253	A) 6" (160MM) COMBINATION PLIER
E70-4255	B) 6" (160MM) SIDE CUTTER
E70-4257	C) 6" (160MM) LONG NOSE PLIER

3PC MILLS PLIER SET

LIFETIME GUARANTEE

Comprising:

E70-4253 6" (160mm) Combination Plier

E70-4255 6" (160mm) Side Cutters

E70-4257 6" (160mm) Long Nose Pliers

Mills MASTER Class AS GOOD AS IT GETS

PART NO.	DESCRIPTION
E70-4260	3PC MILLS PLIER SET

MILLS 10" (250MM) SLIP JOINT PLIER

With bi-material "Energy Grip" handles for better control, grip and comfort - specially machined adjustment serrations provide extra strength and non-slip performance when tool is under pressure. Supplied with Lifetime Guarantee.

Mills MASTER Class AS GOOD AS IT GETS

LIFETIME GUARANTEE

PART NO.	DESCRIPTION
E70-4259	MILLS 10" (250MM) SLIP JOINT PLIER

MILLS 6" (150MM) END WIRE STRIPPER NO.2

LIFETIME GUARANTEE

With bi-material "Energy Grip" handles for more control and comfort and hardened cutting edges.

Stripping capacity from 0.6 - 10mm^2.

Mills MASTER Class AS GOOD AS IT GETS

PART NO.	DESCRIPTION
E70-4265	END WIRE STRIPPER 0.6-10MM^2

MILLS MASTER CLASS

Mills MASTER Class AS GOOD AS IT GETS

Within our tooling section, you'll find many items bearing the MILLS MASTERCLASS GUARANTEE.

These tools will give a LIFETIME'S SERVICE. Should any product fail to give complete satisfaction or break during normal usage, simply return it to us for immediate replacement.

CONTRACTOR PLIERS

Engineering grade chrome vanadium pliers and side cutters with induction hardened cutting edges. The pliers also benefit from bi-material comfort grip handles for greater leverage and suitability for repetitive use.

CONTRACTOR
Just the job

PART NO.	DESCRIPTION
E22-6396	CONTRACTOR COMBINATION PLIER 6" 150MM

CONTRACTOR CUTTERS

Engineering grade chrome vanadium pliers and side cutters with induction hardened cutting edges. The pliers also benefit from bi-material comfort grip handles for greater leverage and suitability for repetitive use.

CONTRACTOR
Just the job

PART NO.	DESCRIPTION
E22-6397	CONTRACTOR SIDE CUTTER 6" 150MM

MILLS NIPPER MINIATURE NO.2 FLUSH CUTTER 130 MM

The Nipper Miniature No.2 is a forged 130mm high quality flush cutter ideal for cutting nylon cable ties and copper wire up to a diameter of 1mm (18SWG). This side cutter has a return spring to assist with repetitive cutting applications, a polished head and yellow PVC dipped handles.

PART NO.	DESCRIPTION
E72-0617	MILLS NIPPER MINIATURE NO.2 FLUSH CUTTER 130 MM

MILLS MASTERCLASS HEAVY DUTY DIAGONAL CUTTER 160MM

An exceptionally high quality diagonal side cutter designed for linesmen and featuring a specialist induction hardened cutting edge (approx. 62 HRC) ground to 80 degrees making them ideal for cutting strength members commonly found in overhead and underground fibre optic cables, such as ULW and SST COF250 Slippery Fish.

- Hard Wire 2.5 mm Cutting Capacity
- Medium Wire 3.8mm Cutting Capacity
- Piano Wire 2mm Cutting Capacity
- Soft Wire 4.2mm Cutting Capacity
- Handle- Vinyl Coated
- Length 6" / 160mm
- Weight 180 g

Mills MASTER Class AS GOOD AS IT GETS

PART NO.	DESCRIPTION
E00-4720	MILLS MASTERCLASS HEAVY DUTY DIAGONAL CUTTER 160MM

MILLS SPECIALIST TELECOMS PLIER WIRING 5 (81'S)

Mills Plier Wiring No 5 (81's) -160mm Specialist Telecommunication Snipe Nose Plier with serrated jaws, and combining a cutting and stripping edge for 0.5mm conductors.

Manufactured from Chrome Vanadium Steel with induction hardened cutting edges and yellow PVC dipped handles.
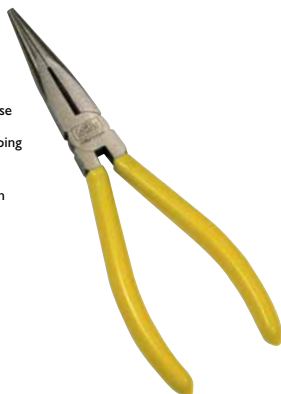
PART NO.	DESCRIPTION
E12-6159	MILLS PLIERS WIRING 5

MILLS STRIPPER WIRE NO. 2

Specialist adjustable precision wire stripping plier for stripping single, multiple and fine stranded conductors.

Suitable for stripping wire diameters 0-5mm (0 - 10mm^2) using the adjustable screw and lock nut feature.

Manufactured from Chrome Vanadium Steel with induction hardened cutting edges and featuring yellow PVC dipped handles.

PART NO.	DESCRIPTION
E12-6160	MILLS STRIPPERS WIRE NO. 2

GENERAL HAND TOOLS

KNIPEX DIAGONAL CUTTERS

Knipex premium diagonal cutters, manufactured from vanadium electric steel and make them strong by warming them and then quenching them in oil giving the cutters a hardness of approx. 62 HRC. Polished heads and plastic coated handles Available in 3 sizes

A) E70-150 1125mm Cutters
• Cutting capacities soft wire (diameter) Ø 3.0 mm
• Cutting capacities medium hard wire (diameter) Ø 2.3 mm
• Cutting capacities hard wire (diameter) Ø 1.5 mm

B) E70-1502 140mm Cutters
• Cutting capacities soft wire (diameter) Ø 4.0 mm
• Cutting capacities medium hard wire (diameter) Ø 2.5 mm
• Cutting capacities hard wire (diameter) Ø 1.8 mm

C) E70-1503 160mm Cutters
• Cutting capacities soft wire (diameter) Ø 4.0 mm
• Cutting capacities medium hard wire (diameter) Ø 3.0 mm
• Cutting capacities hard wire (diameter) Ø 2 mm

PART NO.	DESCRIPTION
E70-1501	A) KNIPEX 70 01 125 DIAGONAL CUTTER 125MM
E70-1502	B) KNIPEX 70 01 140 DIAGONAL CUTTER 140MM
E70-1503	C) KNIPEX 70 01 160 DIAGONAL CUTTER 160MM

MILLS MASTERCLASS 1000V VDE 6" (160MM) 3 PIECE PLIER SET

Mills MasterClass 3 piece 160mm 1000v High Voltage insulated plier set manufactured to iEC 900 1987 or DiN iEC 78 (Co) ii vDE 0680/201.

Comprising:
• E00-3647 6" (160mm) Combination Plier
• E00-3649 6" (160mm) Side Cutter
• E00-3652 6" (160mm) Long Nose Plier

PART NO.	DESCRIPTION
E00-3646	1000V VDE 6" (160MM) 3 PIECE PLIER SET

MILLS MASTERCLASS 1000V VDE 6" (160MM) SIDE CUTTER

6 Inch 1000V High Voltage insulated side cutter to IEC 900 1987 or DIN IEC 78 (CO) II VDE 0680/201

This is a Mills MasterClass product and therefore benefits from the Mills MasterClass lifetime guarantee. In the unlikely event of any MasterClass product breaking during normal usage or failing to give complete satisfaction we will issue an immediate free replacement.

PART NO.	DESCRIPTION
E00-3649	1000V VDE 6" (160MM) SIDE CUTTER

KNIPEX 72 51 160 FLUSH DIAGONAL CUTTER FOR FIBRE OPTIC CABLE 160MM

• Cutting face flush
• Cutting edges additionally induction-hardened, cutting edge hardness approx. 63 HRC
• With opening spring
• Vanadium electric steel, forged, multi stage oil-hardened
• Head: Polished
• Handles: Plastic coated
• Weight: 166 g
• Dimensions: 160 x 73 x 14 mm

PART NO.	DESCRIPTION
E00-0110	KNIPEX 72 51 160 FLUSH DIAGONAL CUTTER FOR FIBRE OPTIC CABLE 160MM

KNIPEX 13 01 160 ELECTRICIANS' PLIERS 160MM

All functions in one pair of pliers: gripping, bending, cutting, insulating, crimping.

• Head: polished
• Handles: plastic coated
• Weight 112 g
• Dimensions 160 x 52 x 13 mm
• Cutting capacities medium hard wire (diameter) Ø 2.5
• Cutting capacities hard wire (diameter) Ø 1.6
• Stripping capacities in square millimetres 0.5 — 0.75 / 1.5 / 2.5 mm²
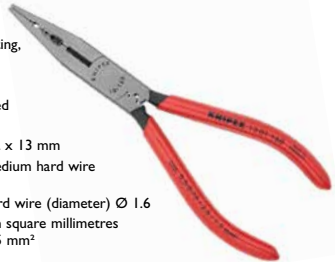
PART NO.	DESCRIPTION
E70-1500	KNIPEX 13 01 160 ELECTRICIANS' PLIERS 160MM

MILLS MASTERCLASS 1000V VDE 6" (160MM) LONG NOSE PLIERS

6 Inch 1000V High Voltage insulated long nose plier to IEC 900 1987 or DIN IEC 78 (CO) II VDE 0680/201

This is a Mills MasterClass product and therefore benefits from the Mills MasterClass lifetime guarantee. In the unlikely event of any MasterClass product breaking during normal usage or failing to give complete satisfaction we will issue an immediate free replacement.

PART NO.	DESCRIPTION
E00-3652	1000V VDE 6" (160MM) LONG NOSE PLIERS

MILLS MASTERCLASS 1000V VDE 6" (160MM) COMBINATION PLIERS

Mills 6" 1000V High Voltage insulated plier to IEC 900 1987 or DIN IEC 78 (CO) II VDE 0680/201.

This is a Mills MasterClass product and therefore benefits from the Mills MasterClass lifetime guarantee. In the unlikely event of any MasterClass product breaking during normal usage or failing to give complete satisfaction we will issue an immediate free replacement.

PART NO.	DESCRIPTION
E00-3647	1000V VDE 6" (160MM) COMBINATION PLIERS

MILLS VDE 1000V COMBINATION PLIERS WITH CUTTER 190MM

Ergonomic angled head and high voltage handles provide much greater work area viewing and increased performance. The high leverage joint provides 30% more grip and cutting power, and the integrated opening spring helps avoid fatigue when in repetitive use.

PART NO.	DESCRIPTION
E12-7534	1000V COMBINATION PLIERS WITH CUTTER 190MM

MILLS VDE 1000V LONG NOSE PLIER WITH CUTTER 220MM

The ergonomic 25° angled head and high voltage handles provide a natural extension of the hand for much greater work area viewing and increased performance.

The high leverage joint provides 30% more grip and cutting power and the integrated opening spring helps avoid fatigue when in repetitive use.

PART NO.	DESCRIPTION
E12-7531	1000V LONG NOSE PLIER WITH CUTTER 220MM

MILLS VDE 1000V MULTIFUNCTION DIAGONAL CUTTER 180MM

Electrician's universal tool for electrical wiring, cutting, stripping, shearing, crimping and bending of loops.

PART NO.	DESCRIPTION
E12-7533	MILLS VDE 1000V MULTIFUNCTION DIAGONAL CUTTER 180MM

MILLS VDE 1000V INSULATED CABLE SHEARS 200MM

Ergonomic angled head and high voltage handles provide much greater work area viewing and increased performance. With a high leverage joint providing 30% more cutting power and with integrated opening spring avoiding fatigue when in repetitive use. These cutters are perfect for cutting 16mm² and 10mm² earth cable; 6mm² and 10mm² twin and earth cable and 25mm² meter tails (connecting into consumer power unit).

PART NO.	DESCRIPTION
H87-7347	MILLS VDE 1000V INSULATED CABLE SHEARS 200MM

SEE WEBSITE FOR OUR FULL RANGE OF VDE PRODUCTS

LINDSTROM 110MM FLUSH CUTTERS

Manufactured from high quality European tool steel. Ideal for wire harness work and standard printed circuit board assembly. These flush cutting pliers have a cutting capacity of 1.25mm copper wire and are 110mm in length.

Precision induction hardened edges.

Flush bevel.

PART NO.	DESCRIPTION
E12-3354	LINDSTROM 8141 MINI TAPERED DIAGONAL CUTTERS

GENERAL HAND TOOLS

KNIPEX PLIERS AND CUTTERS

Handles with slim multi-component grips, with integrated tether attachment point for a tool tether.

A) Knipex Linesman's Combination Plier 240mm

With fish tape puller in the joint gap and universal mandrel crimping point below the joint.

B) Knipex Electrician's Snipe Nose Plier 160mm

The ideal pliers for cable work with precision stripping holes for crimping wire ferrules.

C) Knipex Snipe Nose Side Cutting Plier 200mm

Half-round, long, tapered jaws with cutting edges for soft, medium-hard and hard wire.

D) Knipex Diagonal Cutter 160mm

Precision cutting edges for soft and hard wire for clean cutting of thin copper wires, also at the cutting edge tips.

E) Knipex High Leverage Diagonal Cutter 200mm

For very tough, continuous use High cutting performance with minimum effort due.

F) Knipex Cable Shears 165mm

For cutting copper and aluminium single conductors as well as multiple stranded cables

G) Knipex Wire Rope Cutter 190mm

With two crimping dies for end caps on Bowden cable sheaths and end ferrules for traction cables.

PART NO.	DESCRIPTION
E70-1455	A) KNIPEX LINESMAN'S COMBINATION PLIER 240MM
E70-1456	B) KNIPEX ELECTRICIAN'S SNIPE NOSE PLIER 160MM
E70-1457	C) KNIPEX SNIPE NOSE SIDE CUTTING PLIER 200MM
E70-1458	D) KNIPEX DIAGONAL CUTTER 160MM
E70-1459	E) KNIPEX HIGH LEVERAGE DIAGONAL CUTTER 200MM
E70-1460	F) KNIPEX CABLE SHEARS 165MM
E70-1462	G) KNIPEX WIRE ROPE CUTTER 190MM

KNIPEX VDE PLIERS AND CUTTERS

Handles insulated with multi-component grips, VDE-tested with integrated insulated tether attachment point for a tool tether.

A) Knipex VDE Combi Plier 160mm

With gripping zones for flat and round material, suitable for versatile use. Cutting edges for soft and hard wire. Long cutting edges for thicker cables.

B) Knipex VDE Diagonal Cutter 160mm

Elongated cutting edge. High-quality material and precise workmanship for long service life. Precision cutting edges for soft and hard wire.

C) Knipex VDE High Leverage Diagonal Cutter 200mm

For very tough, continuous use. High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio.

D) Knipex VDE Snipe Nose Side Cutting Plier 200mm

Elastic tips: dimensionally stable even when twisted. Distortion-tolerant, elastic precision tips. Half-round, long, tapered jaws.

E) Knipex VDE Cable Shears 165mm

For cutting copper and aluminium single conductors as well as multiple stranded cables. Clean and smooth cut without crushing and deformation.

PART NO.	DESCRIPTION
E70-1450	A) KNIPEX VDE COMBI PLIER 160MM
E70-1451	B) KNIPEX VDE DIAGONAL CUTTER 160MM
E70-1452	C) KNIPEX VDE HIGH LEVERAGE DIAGONAL CUTTER 200MM
E70-1453	D) KNIPEX VDE SNIPE NOSE SIDE CUTTING PLIER 200MM
E70-1461	E) KNIPEX VDE CABLE SHEARS 165MM

FOR A FULL RANGE OF HEIGHT SAFETY TOOLING, PLEASE CONTACT OUR SALES DEPARTMENT

MILLS MASTERCLASS PRECISION BEVEL EDGE SIDE CUTTERS 115MM

115mm Box Jointed Bevel Edge Precision Side Cutter with return spring for conductors up to 1.3mm. Manufactured from Chrome Vanadium Steel with induction hardened cutting edges with comfort grip bi-material handles.

LIFETIME GUARANTEE

PART NO.	DESCRIPTION
E12-6164	PRECISION BEVEL EDGE SIDE CUTTERS 115MM

MILLS MASTERCLASS PRECISION FLUSH CUTTING SIDE CUTTER 115MM

115mm Box Jointed High Access Flush Cutting Precision Side Cutter with return spring for conductors up to 1.3mm. Manufactured from Chrome Vanadium Steel with induction hardened cutting edges with comfort grip bi-material handles.

LIFETIME GUARANTEE

PART NO.	DESCRIPTION
E12-6165	PRECISION FLUSH SIDE CUTTERS 115MM

MILLS MASTERCLASS PRECISION SNIPE NOSE PLIER 120MM

120mm Box Jointed Precision Snipe Nose Pliers with return spring and smooth jaw. Manufactured from Chrome Vanadium Steel with induction hardened cutting edges with comfort grip bi-material handles.

LIFETIME GUARANTEE

PART NO.	DESCRIPTION
E12-6166	PRECISION SNIPE NOSE PLIER 120MM

MILLS MASTERCLASS PRECISION SNIPE NOSE PLIER 140MM

140mm Box Jointed Precision Snipe Nose Pliers with return spring and smooth jaw. Manufactured from Chrome Vanadium Steel with induction hardened cutting edges with comfort grip bi-material handles.

LIFETIME GUARANTEE

PART NO.	DESCRIPTION
E12-6167	PRECISION SNIPE NOSE PLIER 140MM

CONTRACTOR MINI SIDE CUTTER 115MM (4 1/2")

CONTRACTOR Just the job

A utility miniature side cutting nipper, ideal for cutting of small copper conductors up to a diameter of 1mm. The side cutting snips have bi material grips and return springs for repetitive tasks- Overall length 115mm (4 ½").

PART NO.	DESCRIPTION
E22-6386	CONTRACTOR MINI SIDE CUTTER 115MM (4 1/2")

ECONOMY MINI LONG NOSE PLIERS 130MM

Cost-effective miniature long nose plier with integral cutting edge. It features bi-material grips and return spring.

PART NO.	DESCRIPTION
E12-3356	SNIPE NOSE PLIERS 130MM (5 1/4")

KNIPEX 78 03 125 ELECTRONIC SUPER KNIPS 125MM

• Cutting edge hardness approx. 54 HRC
• INOX tool steel
• Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
• Ground, very sharp cutting edges without bevel
• Precisely shaped tips cut wires close to a surface from Ø 0.2 mm

PART NO.	DESCRIPTION
E00-0111	KNIPEX 78 03 125 ELECTRONIC SUPER KNIPS 125MM

KNIPEX ELECTRONIC SUPER KNIPS OPTICAL FIBRE 125MM

The Knipex electronic Super Knips are top quality precision pliers for ultra fine cutting work, in electronics and fine mechanics, ideal for cutting close sitting wire from 0.2mm diameter.

Jointed with a stainless steel rivet for added strength and easy movement, they have cutting edges which are additionally induction hardened for durability and longer life.

PART NO.	DESCRIPTION
S83-2540	KNIPEX ELECTRONIC OPTICAL FIBRE 125MM

GENERAL HAND TOOLS

ERGO UNIVERSAL STRIPPER

ErgoStrip® Universal Stripping Tool is used for the fast and precise dismantling and stripping of all common round and damp-proof installation cables (e.g. NYM cable 3 x 1.5mm² up to 5 x 2.5mm²), data cable (e.g. twisted pair) and coax cable.

Specification:
- Wire Stripping Capacity:
  - Round Cable: 8-13mm
  - Conductors & Stands: 0.2-4.0mm
  - Data Cable: CAT 5-7, Twisted Pair (UTP/STP)
  - Coax Cable: 4.8-7.5mm
- Overall Length: 135mm
- Weight: 95g

PART NO.	DESCRIPTION
T18-0009	ERGO UNIVERSAL STRIPPER

MILLS MULTIPURPOSE STRIPPER/CRIMPER

Mills Multipurpose Stripper/Crimper with a stripping capacity of 0.2 - 6.0mm² (24 - 10AWG).

Crimps red, blue, yellow and most non-insulated terminals

Features
- Adjustable stopper controls the length of the core strip
- Swivel knob adjusts for gauges smaller than 20AWG
- Wire crimper crimps 10-22AWG insulated and 7-8mm ignition terminals
- Product weight: 0.342 kg
- Product size (L x W x H): 21 x 9.5 x 2.8 cm
- Formerly E21-1421

PART NO.	DESCRIPTION
E21-7583	MILLS MULTIPURPOSE STRIPPER/CRIMPER

A) MILLS STRIPPERS WIRE NO.2

Specialist adjustable precision wire stripping plier for stripping single, multiple and fine stranded conductors. Suitable for stripping wire diameters 0 – 5mm (0 – 10mm²) using the adjustable screw and lock nut feature. Manufactured from Chrome Vanadium Steel with induction hardened cutting edges and featuring yellow PVC dipped handles.
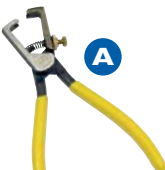
B) MILLS 6" (150MM) END WIRE STRIPPER NO.2

With bi-material "Energy Grip" handles for more control and comfort and hardened cutting edges. Stripping capacity from 0.6 – 10mm².

PART NO.	DESCRIPTION
E12-6160	A) MILLS STRIPPERS WIRE NO. 2
E70-4265	B) END WIRE STRIPPER 0.6 – 10MM²

SELF ADJUSTING CUTTER STRIPPERS

Self-adjusting cutting and stripping tool for PVC insulated wires and cables Available in 2 variations.

A) Minim (E70-6114) - for PVC insulated wires and cables 0.08mm² (30AWG) to 2.5mm² (13AWG).

B) Maxim (E70-6115) for PVC insulated wires and cables 0.2mm² (24AWG) to 6.0mm² (10AWG).

PART NO.	DESCRIPTION
E70-6114	A) MINIM 2.5 SELF ADJUSTING CUTTER STRIPPER
E70-6115	B) MAXIM 6 SELF ADJUSTING CUTTER STRIPPER

VERSATILE WIRE STRIPPER

Manual wire strippers are perfect for stripping insulation from seven individual stripping stations: 0.5, 0.75, 1.0, 1.5, 2.5, 4.0 and 6.0mm². The stripper has knife style blades with six integrated cutting sizes, allowing you sharp and precise control when stripping wire. Combined with the soft grip ergonomic handles and return spring– overall length 160mm.

PART NO.	DESCRIPTION
E02-1010	VERSATILE WIRE STRIPPER

MILLS MASTERCLASS PROFESSIONAL SCREWDRIVERS

With bi-material "Energy Grip" handles for extra grip and added comfort. The blades are produced from chrome vanadium steel with wear resistant shot blasted tips. Colour coded handle insert provides easy recognition. Supplied with Lifetime Guarantee.

Sizes quoted are for blade length only.

LIFETIME GUARANTEE

Mills screwdrivers have **bi-material handles** giving them more than **25% extra grip** over conventional products

⬯ PLAIN SLOT Grey colour coded insert

PART NO.	DESCRIPTION
F70-4255	SLOTTED 75 X 3MM
F70-4257	SLOTTED 150 X 3MM
F70-4258	SLOTTED 100 X 4MM
F70-4806	SLOTTED 75 X 5MM
F70-4259	SLOTTED 100 X 5MM
F70-4260	SLOTTED 150 X 5MM
F70-4261	SLOTTED 200 X 5MM
F70-4262	SLOTTED 250 X 5MM
F70-4250	SLOTTED CHUBBY 38 X 6MM
F70-4291	SLOTTED 100 X 6MM
F70-4251	SLOTTED 150 X 6MM
F70-4252	SLOTTED 150 X 8MM
F70-4254	SLOTTED 250 X 9.5MM

✦ POZIDRIVE® Blue colour coded insert

PART NO.	DESCRIPTION
F70-4266	POZI® 60MM X NO 0
F70-4267	POZI® 75MM X NO 1
F70-4268	POZI® 100MM X NO 2
F70-4269	POZI® 250MM X NO 1
F70-4270	POZI® 250MM X NO 2
F70-4287	POZI® CHUBBY 38MM X NO1
F70-4265	POZI® CHUBBY 38MM X NO 2

6PC MILLS STANDARD SCREWDRIVER SET

Comprising:

F70-4255   SLOTTED 75 x 3mm
F70-4259   SLOTTED 100 x 5mm
F70-4291   SLOTTED 100 x 6mm
F70-4252   SLOTTED 150 x 8mm
F70-4267   POZI® 75mm x No 1
F70-4268   POZI® 100mm x No 2

LIFETIME GUARANTEE

PART NO.	DESCRIPTION
F70-4288	6PC MILLS SCREWDRIVER SET

10PC COMPREHENSIVE SCREWDRIVER SET

Comprising:

F70-4250 SLOTTED 38 x 6mm	F70-4291 SLOTTED 100 x 6mm
F70-4255 SLOTTED 75 x 3.2mm	F70-4252 SLOTTED 150 x 8mm
F70-4259 SLOTTED 100 x 5mm	F70-4266 POZI® 60mm x No 0
	F70-4267 POZI® 75mm x No 1
	F70-4268 POZI® 100mm x No 2
	F70-4287 POZI® 38mm x No 1
	F70-4265 POZI® 38mm x No 2

LIFETIME GUARANTEE

PART NO.	DESCRIPTION
F70-5009	10PC MILLS S/DRIVER SET

3PC MILLS LONG SERIES SCREWDRIVER SET

Comprising:

F70-4262 SLOTTED 250 x 5mm
F70-4269 POZI® 250mm x No 1
F70-4270 POZI® 250mm x No 2

LIFETIME GUARANTEE

PART NO.	DESCRIPTION
F70-8720	3PC MILLS LONG SERIES SCREWDRIVER SET

CONTRACTOR 6 PIECE SCREWDRIVER SET

Engineering grade screwdriver set. Each of the six screwdrivers have chrome vanadium blades with induction hardened blackened tips and benefit from ergonomic bi-material handles which give higher leverage. The set comprises four slotted drivers, 3 x 75mm, 5 x 100mm, 6 x 100mm, 8 x 150mm and two Pozidrive ™ PZ1 x 75mm and PZ2 x 100mm.

CONTRACTOR
Just the job

PART NO.	DESCRIPTION
E22-6394	CONTRACTOR 6 PIECE SCREWDRIVER SET

SCREWDRIVER 150MM

Manufactured from chrome vanadium steel with a satin chrome plated finish and a magnetised tip, the screwdriver is fitted with a bi-material soft grip handle providing user comfort, even when used for prolonged periods.

The handles have a hanging hole, which can be used to place a 'T' bar through when extra torque is required.

Blade length: 150mm

PART NO.	DESCRIPTION
F70-3905	SCREWDRIVER POZI NO.3 X 150MM
F70-3906	SCREWDRIVER PHILLIPS NO.3 X 150MM

STANLEY 5PC FAT MAX POZI SCREWDRIVER SET

High quality Stanley Fatmax 5Pc Pozidrive and Slotted Screwdriver Set featuring Ergonomic handle – featuring a large bi-material, anti-slip, handle providing excellent grip and reducing user fatigue, combined with a high resistance steel blade ensuring a limited chance of braking the tip.

Set comprises:
Slotted 3.5mm x 75mm,
Slotted 5.5mm x 125mm
Slotted 8mm x 100mm
Pozi PZ1 x 100mm
Pozi PZ2 x 125mm

PART NO.	DESCRIPTION
F70-2541	STANLEY 5PC FAT MAX POZI SCREWDRIVER SET

FATMAX 10 PIECE SCREWDRIVER SET

Contents:
Flared: 4 x 100mm, 8 x 150mm
Parallel: 3 x 100mm, 4 x 100mm, 5.5 x 150mm
Pozi: PZ0 x 75, PZ1 x 30, PZ1 x 100, PZ2 x 125mm
Carry case

STANLEY FatMax®

PART NO.	DESCRIPTION
F70-3360	FATMAX 10 PIECE SCREWDRIVER SET

SCREWDRIVERS CABINET

Cabinet Pattern handle screwdrivers with Chrome Vanadium steel blades, hardened and tempered with sand blasted tips. Some sizes are fitted with a hexagon bolster which enables extra power to be obtained by the use of a spanner.

Available in 4 sizes.

PART NO.	DESCRIPTION
F83-0814	5MM X 75MM SCREWDRIVER
F83-0815	8MM X 150MM SCREWDRIVER
S83-0861	9.5MM X 200MM SCREWDRIVER
S83-0860	9.5MM X 250MM SCREWDRIVER

STANLEY 5PC FAT MAX PHILLIPS SCREWDRIVER SET

High quality Stanley Fatmax 5Pc Phillips and Slotted Screwdriver Set featuring Ergonomic handle – featuring a large bi-material, anti-slip, handle providing excellent grip and reducing user fatigue, combined with a high resistance steel blade ensuring a limited chance of braking the tip.

Set comprises:
Slotted 3.5mm x 75mm,
Slotted 5.5mm x 125mm
Slotted 8mm x 100mm
Phillips PH1 x 100mm
Phillips PH2 x 125mm

PART NO.	DESCRIPTION
F70-2542	STANLEY 5PC FAT MAX PHILLIPS S/DRIVER SET

GENERAL HAND TOOLS

STANLEY 10 PCE CUSHION GRIP SCREWDRIVER

Soft grip handles provide excelent torque and grip. Magnetic tip for easy pick up and screw locator. Smooth domed end for fast spinning action. High grade steel bar allows for high torque and reduces the changes of tip breakage.

Features and Benefits:

- Large diameter soft -grip handles
- Smooth domed end for excellent torque, fast spinning action
- Comfort in use
- Tip identification in the handle to match screwdriver to screw type
- Magnetic tips for easy pick -up and screw location
- 10 Piece Screwdriver Set Includes

Flared: 3.0 mm x 75 mm (Instrument), 5.0 mm x 100 mm, 6.5 mm x 45 mm (Stubby), 6.5 mm x 150 mm, 8.0 mm x 150 mm

Pozi: PZ.0 x 60 mm, PZ.1 x 100 mm, PZ.2 x 45 mm (stubby), PZ.2 x 100 mm, PZ.3 x 150 mm

PART NO.	DESCRIPTION
F70-4240	STANLEY 10 PCE CUSHION GRIP SCREWDRIVER

CONTRACTOR SCREWDRIVER SET 1000V VDE INSULATED 6 PIECE

VDE Approved Fully Insulated 6 Piece High Voltage Screwdriver Set - Chrome Vanadium blades with ergonomic handle.

Comprising:

Slotted -
75 x 3.0mm,
100 x 4.0mm,
125 x 5.5mm and
150 x 6.5mm.

Pozi® -
80 x No. 1 and
100 x No. 2.

CONTRACTOR
Just the job

PART NO.	DESCRIPTION
E22-1940	CONTRACTOR SCREWDRIVER SET 1000V VDE INSULATED 6 PIECE

MILLS MASTERCLASS PROFESSIONAL 1000V SCREWDRIVERS

Our premier range of VDE screwdriver, certified and individually tested to 10,000v for complete safety when working on live equipment up to 1000v. These screwdrivers feature premium quality non magnetised chrome SVCM steel blade, hardened and tempered for optimum performance.

The dual colour handles have been designed to fit perfectly into the hand to allow for a fast, comfortable and ergonomic screwdriving experience. Certified to EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018.

Mills MASTER Class AS GOOD AS IT GETS

PART NO.	DESCRIPTION
F70-2884	7 PIECE SCREWDRIVER SET
F70-2885	SLOTTED SCREWDRIVER 3.0MM X 100MM
F70-2886	SLOTTED SCREWDRIVER 4.0MM X 100MM
F70-2887	SLOTTED SCREWDRIVER 5.5MM X 125MM
F70-2888	SLOTTED SCREWDRIVER 6.5MM X 150MM
F70-2890	POZI SCREWDRIVER NO.0 X 60MM
F70-2892	POZI SCREWDRIVER NO.1 X 80MM
F70-2893	POZI SCREWDRIVER NO.2 X 100 MM
F02-3631	PHILLIPS SCREWDRIVER NO.0 X 60MM
F02-3632	PHILLIPS SCREWDRIVER NO.1 X 80MM
F02-3633	PHILLIPS SCREWDRIVER NO.2 X 100MM

STUBBY VDE SLIM SCREWDRIVERS

Stubby VDE Slim Style Screwdrivers. Available in Pozi No2, MOD and Slotted.

Features:

- Stubby size – ideal for use in confined spaces
- Slim shafted high voltage insulated blades - allow access to recessed screws and fixings
- VDE approved - individually tested to 10,000V for safe working up to 1,000V
- Premium quality chrome vanadium steel blades - for exceptional strength & durability
- 100% German manufactured - quality and performance assured
- Tip type markings - for easy identification
- Anti-roll flats - to prevent the screwdriver from rolling off sloping surfaces

PART NO.	DESCRIPTION
F70-7408	STUBBY VDE SLIM SCREWDRIVER POZI NO.2
F70-7409	STUBBY VDE SLIM SCREWDRIVER MOD2
F02-6987	STUBBY VDE SLIM SCREWDRIVER SLOTTED 4.0MM
F70-7410	STUBBY VDE SLIM SCREWDRIVER SLOTTED 5.5MM
F70-4101	VDE STUBBY SCREWDRIVER SET 4 PIECE

13 PIECE VDE ADJUSTABLE TORQUE SCREWDRIVER SET

VDE rated handles along with 9 VDE Switch-Blades which can all be interchanged to create 27 drive options. The torque can be adjusted and set between 1-6Nm as required.

Contents

- 1 x 1000V VDE Adjustable Torque Screwdriver Handle
- 1 x Torque Adjuster
- 1 x 1000V VDE Interchangeable Screwdriver Handle
- 1 x 1000V VDE Interchangeable T-Handle
- 9 x 1000V VDE Interchangeable Blades (1 x PZ1, PZ2, Plus / Minus 1 - PZ/SL, Plus / Minus 2 - PZ/SL, SL3.5, SL4.0, SL5.5, Hex 3mm Hex 4mm)

PART NO.	DESCRIPTION
H00-0667	13 PIECE VDE ADJUSTABLE TORQUE SCREWDRIVER SET

GENERAL HAND TOOLS

BOSCH 37 PIECE SCREWDRIVER SET WITH HANDLE

Bosch screwdriver bit set in hard plastic case. Includes screwdriver handle and the following 75mm long extra hard bits:

1 x 0.6 x 5 Slottted, 1 x 1 x 6 Slotted, 3 x Pozidrive 1/2/3, 3 x Phillips 1/2/3, 8 x Torx T8/10/15/20/25/27/30/40, 3 x TQ 6/8/10, 6 x Hex 2/2.5/3/4/5/6, 4 x TW 1/2/3/4, 4 x SP 4/6/8/10, 3 x R x 1/2/3

All tips have Extra Hard bit quality and are ideal for any kind of screws. Anti-slip screwdriver handle for perfect grip. Toolfree bit change Robust anti-slip case.

Bosch Part Number 2607017320

PART NO.	DESCRIPTION
N36-7511	BOSCH 37 PIECE SCREWDRIVER SET WITH HANDLE

7 PIECE MINI TORX® SET

7 piece mini Torx set covering sizes from T6 to T20. Features hardened and tempered chrome alloy steel blades with black oxidised tips. Revolving top design handle offers added user comfort whilst allowing more torque to be applied. The set is supplied in a storage case and comprises T6 x 50, T7 x 50, T8 x 50, T9 x 50, T10 x 50, T15 x 60 and T20 x 60.

PART NO.	DESCRIPTION
F72-3040	7 PIECE MINI TORX® SET

MAINS TESTERS 220-250V 630 VDE

Neon mains testers available with pen clips in two sizes.

A) Small mains tester with pocket clip -140mm overall length (blade 60 x 3mm).

B) Large mains tester -180mm overall length (blade 90 x 3.5mm).
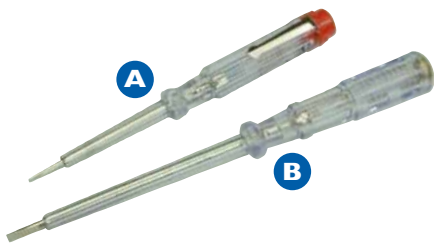
PART NO.	DESCRIPTION
F72-1003	A) SMALL MAINS TESTER
F72-1110	B) LARGE MAINS TESTER

WATCHMAKERS SCREWDRIVER SETS

A) 6 piece slotted jewellers set comprising; 1.0, 1.4, 2.0, 2.4, 2.9 & 3.8mm.

B) 11 piece slotted/Phillips set comprising Phillips PH00, PH0 and PH1; Slotted 0.9, 1.2, 1.4, 1.8, 2.4 and 3.0mm. 1 x scratch awl and 1 x magnet.

PART NO.	DESCRIPTION
F72-1010	A) WATCHMAKERS-SLOTTED ONLY (6PC)
F72-1150	B) WATCHMAKERS-SLOTTED/CROSSPOINT (11PC)

PRECISION 7 PIECE SCREWDRIVER SET

With swivel heads for finger tip control. The set is supplied in carry case and comprises:

- 1.5 x 50mm Slotted
- 2.0 x 50mm Slotted
- 2.5 x 50mm Slotted
- 3.0 x 50mm Slotted
- 000 x 50mm Phillips®
- 00 x 50mm Phillips®
- 0 x 50mm Phillips®

PART NO.	DESCRIPTION
F14-3501	7 PC GENERAL SCREWDRIVER SET

REVERSIBLE PRECISION SCREWDRIVER 8 PIECE SET

Hardened and tempered 8660 steel double-ended blades, satin chrome plated with black tips. Supplied with a rubberised handle in a durable plastic case with the following:

- No.00 cross slot x 2.0mm plain slot
- No.0 cross slot x 2.5mm plain slot
- No.1 cross slot x 3.0mm plain slot
- PZ TYPE No.0 x PZ TYPE No.1
- T5 x T6 Draper TX-STAR®
- T7 x T8 Draper TX-STAR®
- 2mm x 2.5mm hexagon
- Rubber handle

PZ TYPE products are compatible with *Pozidriv®/Supadriv® fixing systems.

TX-STAR drivers are compatible with Torx fixing systems.

PART NO.	DESCRIPTION
D99-0038	REVERSIBLE PRECISION SCREWDRIVER 8 PIECE

A) 23 PIECE OFFSET RATCHET SCREW AND SOCKET DRIVER SET

23 Piece Ratchet Screwdriver & Socket Set with Offset Ratchet Handle.

Contents:

- 11 piece, 25mm screwdriver bits: Slot 4, 5, 6mm x 2, PH1, PH2, PH3, PZ1, PZ2, PZ3, bit adaptor
- 9 piece 1/4" Drive sockets: 5, 6, 7, 8, 9, 10, 11, 12, 13mm
- 50mm extension bar
- Reversible 1/4" Drive ratchet handle.
- Supplied in storage case

B) STANLEY 7 PIECE, PHILLIPS, SLOTTED AND POZI BIT SET

This 7-piece screwdriver bit set contains 6 x 25mm screwdriver bits and a magnetic holder. Supplied in a plastic storage box.

Comprises:

- Phillips - PH1 and PH2
- Pozi - PZ1 and PZ2
- Flared - 0.8 x 5.0mm and 1.2 x 6.5mm
- Magnetic bit holder

C) STANLEY 10 PIECE TORX, PHILLIPS & POSI BIT SET

This 10-piece screwdriver bit set contains 9 x 25mm screwdriver bits and a magnetic holder. Supplied in a flip up plastic storage box.

Comprises:

- Phillips - PH2
- Pozi - PZ1, PZ2 and PZ3
- Torx - T10, T15, T20, T25 and T30
- Magnetic bit holder

PART NO.	DESCRIPTION
F14-1457	A) 23PC RATCHET SCREWDRIVER SET
F70-6949	B) 7-PIECE SCREWDRIVER BIT SET

PART NO.	DESCRIPTION
F70-6948	C) 10-PIECE SCREWDRIVER BIT SET

A) MAGNETIC IMPACT TORX BIT SET T15 - T40

Professional quality screwdriver bits specially designed for use with impact drivers. Forged tip for greater impact resistance and a longer lifetime. Heat-treated bits for improved durability and torsion zone for reduced breakage. Ideal for continuous high torque use withstanding changes of load due to elasticity. Supplied with Pouch.

- 1 x T15, 1 x T20, 1 x T25, 1 x T27, 1 x T30, 1 x T40 32mm Impact Bits
- 1 x 60mm Magnetic Impact Driver Bit Holder
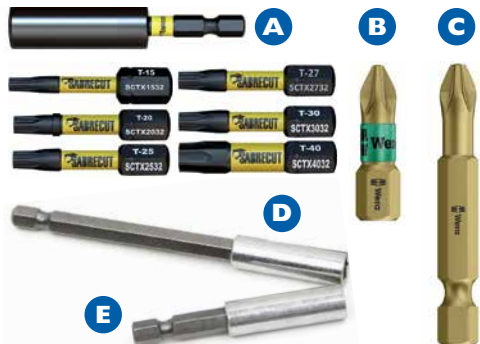
B-C) WERA TH TORSION EXTRA HARD BITS FOR USE WITH POWERTOOLS

Wera TH Torsion Extra Hard Bits are a hard wearing, great value bit, with longer service life. Ideal for driving into timber and general construction materials. Available in both 25mm and 50mm lengths in PZ1, PZ2 & PZ3.

D-E) WERA UNIVERSAL MAGNETIC BIT HOLDERS

Available in 50mm & 75mm lengths these 1/4" Hexagon drive magnetic bit holders are constructed with a stainless steel sleeve, retaining ring, and strong permanent magnet.

PART NO.	DESCRIPTION
F70-1993	A) MAGNETIC IMPACT TORX BIT SET T15 - T40
N36-6575	B) POZIDRIV PZ1 INSERT BIT 25MM PK2
N36-6576	B) POZIDRIV PZ2 INSERT BIT 25MM PK2
N36-6577	B) POZIDRIV PZ3 INSERT BIT 25MM PK2
N36-6578	C) POZIDRIV PZ1 INSERT BIT 50MM PK2

PART NO.	DESCRIPTION
N36-6579	C) POZIDRIV PZ2 INSERT BIT 50MM PK2
N36-6580	C) POZIDRIV PZ3 INSERT BIT 50MM PK2
P09-6581	D) UNIVERSAL MAGNETIC BIT HOLDER 50MM
P09-6582	E) UNIVERSAL MAGNETIC BIT HOLDER 75MM

HEX SHANK MAGNETIC BIT HOLDER EXTENSION

4" (100mm) length for superior access for hard-to-reach fasteners.

Universal 1/4" quick-change hex shank fits all power drills, chucks and screwdrivers.

With magnets to hold bits securely in place ensuring you that your bits stay in place and never wobble.

Hardened chrome vanadium steel construction with zinc plated for anti-rust, durability and shock-resistant.

PART NO.	DESCRIPTION
F70-1980	HEX SHANK MAGNETIC BIT HOLDER EXTENSION

DEWALT DT7505 EXTREME IMPACT PIVOTING BIT TIP HOLDER

For use with corded and cordless drills.

Heat-treated; resists breakage and wear.

Extra-strength magnet for superior bit retention.

1/4" Hex drive

Length: 86mm

PART NO.	DESCRIPTION
G70-1973	DEWALT DT7505 EXTREME IMPACT PIVOTING BIT TIP HOLDER

33 PIECE SECURITY SCREWDRIVER BIT SET

25mm 1/4" bits manufactured from chrome vanadium steel, hardened and tempered with a shot blast finish. Bit holder manufactured from zinc alloy steel with a chrome plated finish. Supplied in a storage case.

- 1 x Magnetic bit holder
- 3 x Torq bits: 6, 8, 10
- 4 x Spanner bits: No. 4, 6, 8, 10
- 4 x Tri - winged bits: No.1, 2, 3, 4
- 6 x Metric hexagonal security bits: 2, 2.5, 3, 4, 5, 6mm
- 6 x Imperial hexagonal security bits: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"
- 9 x TX - STAR® security: T8T, T10T, T15T, T20T, T25T, T27T, T30T, T35T, T40T

PART NO.	DESCRIPTION
F70-1994	33 PIECE SECURITY SCREWDRIVER BIT SET

RATCHET SCREWDRIVER AND BIT SET (42 PIECE)

Set includes ratcheting stubby and precision screwdrivers along with 20 1/4" drive hardened and tempered chrome vanadium steel bits and 20 3mm drive precision bits. Supplied in plastic storage case. Display packed. PZ TYPE products are compatible with *Pozidriv®/Supadriv® fixing systems.

- 1 x Ratcheting screwdriver
- 1 x Precision screwdriver
- 4 x 25mm plain slot bits: 3, 4, 5, 6mm
- 4 x 25mm cross slot bits: No.0, No.1, No.2, No.3
- 4 x 25mm PZ TYPE bits: No.0, No.1, No.2, No.3
- 4 x 25mm hexagonal bits: 3, 4, 5, 6mm
- 4 x 25mm Draper TX - STAR® bits: T10, T15, T20 and T25
- 5 x 30mm plain slot bits: 1, 1.5, 2, 2.5 and 3mm
- 3 x 30mm cross slot bits: No.000, No.00, No.0
- 2 x 30mm PZ TYPE bits: No.0, No.1
- 5 x 30mm hexagonal bits: 0.7, 0.9, 1.3, 1.5, 2mm
- 5 x 30mm TX - STAR® bits: T6, T7, T8, T9, T10

PART NO.	DESCRIPTION
F72-2902	RATCHET SCREWDRIVER AND BIT SET (42 PIECE)

STANLEY 61 PIECE SCREWDRIVER BIT SET

61-piece set of 1/4 inch drive bits in plastic case.

- Slotted: 4, 4.5, 5.5, 6, 6.5, 8mm
- Phillips: PH0, PH1, 2 x PH2, 2 x PH3, 2 x PH4
- Pozidriv: PZ0, PZ1, 2 x PZ2, 2 x PZ3, PZ4
- Torx: T10, T15, T20, T25, T27, T30
- Hexagonal: 3 x 2mm, 6 x 3mm, 4, 5, 6mm
- Tamper proof Torx: 3 x T10, 3 x T15, 6 x T20, 3 x T25, 3 x T30, 3 x T40
- Magnetic Bit Holder: 60mm

STANLEY

PART NO.	DESCRIPTION
N36-6583	STANLEY 61 PIECE SCREWDRIVER BIT SET

SCREWDRIVER BIT SET 61 PIECE

Security bit set containing just about every screwdriver bit most tradesmen will ever need. With sixty Chrome Vanadium steel bits covering all popular drive systems. Supplied in a sturdy plastic storage case.

- 6 x Phillips Screwdriver Bits: PH0, PH1, PH2(3) & PH3
- 6 x Pozidriv Screwdriver Bits: PZ0, PZ1, PZ2(3) & PZ3
- 5 x Slotted Screwdriver Bits: 3, 4, 5, 6 & 7mm
- 12 x Hex Screwdriver Bits: 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7 & 8mm
- 13 x Star Screwdriver Bits: T5, T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T35 & T40
- 7 x Tamperproof Star Screwdriver Bits: TT10, TT15, TT20, TT25, TT27, TT30 & TT35
- 6 x Hex Security Screwdriver Bits: 2, 2.5, 3, 4, 5 & 6mm
- 5 x Spanner Bits: 4 (2), 6, 8 & 10mm
- 1 x Magnetic Bit Holder 60mm

PART NO.	DESCRIPTION
F70-2543	SCREWDRIVER BIT SET 61 PIECE

DEWALT DT71516 SOCKET & SCREWDRIVING SET

The DEWALT DT71516 Socket & Screwdriving Set contains a set of sockets, 6-13mm and a variety of popular screwdriver bits. Supplied in a durable storage case built with a metal clasp fastening and a belt clip for easy accessibility.

- 6 x Sockets: 6, 7, 8, 10, 11 and 13mm.
- 3 x 25mm Pozidriv Bits: PZ1, PZ2 and PZ3.
- 3 x 25mm Phillips Bits: PH1, PH2 and PH3.
- 6 x 25mm TORX Bits: TX10, TX15, TX20, TX25, TX30 and TX40.
- 3 x 25mm Hex Bits: 4, 5 and 6.
- 1 x Wrench.
- 1 x Bit Tip Holder.
- 1 x Adaptor.

PART NO.	DESCRIPTION
G70-1974	DEWALT DT71516 SOCKET & SCREWDRIVING SET

45 PIECE SECURITY SCREWDRIVER BIT SET

25mm 1/4" bits manufactured from chrome vanadium steel, hardened and tempered with a shot blast finish. Supplied with a 1/4' soft grip driver. Supplied in a heavy duty storage case with plastic inlay to hold bits securely.

- 1 x Magnetic soft grip driver
- 3 x Tri wing: 1, 2, 3
- 4 x Spanner: 4, 6, 8, 10
- 5 x Spline: M4, M5, M6, M8, M10
- 4 x Square: S0, S1, S2, S3
- 6 x Metric security hex: 2, 2.5, 3, 4, 5, 6mm
- 6 x Imperial security hex: 5/32, 9/64, 1/8, 7/64, 3/32, 5/64"
- 7 x Torx T5, T6, T7, T8, T10, T15, T20
- 9 x Torx security: T8T, T9T, T10T, T15T, T20T, T25T, T27T, T30T, T40T

PART NO.	DESCRIPTION
G30-1346	45 PIECE SECURITY SCREWDRIVER BIT SET

STANLEY MULTI-BIT RATCHET SCREWDRIVER

- Magnetic head
- 1 Internal bit storage
- 1 Bit storage cartridge
- 1 Ratchet mechanism

Philips No.1 & No.2
Pozi No.1 & No.2
Slotted 4.5mm
Slotted 6mm
T15 & T20 Torx®
VS1 & VS2 Square

PART NO.	DESCRIPTION
F14-3368	10 PIECE MULTI-BIT RATCHET SCREWDRIVER

STANLEY STUBBY MULTIBIT SCREWDRIVER

- 1 Philips No.1 x 25mm
- 1 Philips No.2 x 25mm
- 1 Pozi No.1 x 25mm
- 1 Slotted 4.5 x 25mm
- 1 Slotted 6 x 25mm
- 1 Pozi No.2 x 25mm

Ratchet mechanism
Magnetic bit holder

PART NO.	DESCRIPTION
F14-3369	STUBBY MULTI-BIT SCREWDRIVER

5-IN-1 MAGNETIC MULTI-BIT SCREWDRIVER

The IRWIN® Magnetic Multi-Bit Screwdriver features a magnetised bit holder that holds insert and power bits securely. This magnetised holder also aids easier screw alignment and driving.

It is compatible with insert bits and power bits for convenient replacement and features a TorqueZone™ handle design for optimal comfort and torque.

This screwdriver includes 5 fastener bits featuring precision tip geometry for superior fitment on fasteners, reducing stripping and cam out.

Bit Sizes: PH2, PZ1, PZ2, SL5-6 & TX20.

PART NO.	DESCRIPTION
F70-2882	5-IN-1 MAGNETIC MULTI-BIT SCREWDRIVER

BALL END HEX KEY SETS

Manufactured from hardened and tempered Chrome Vanadium steel with chemically blackened rust resistant finish. The ball type hexagon tip allows the key to be used at up to a 30° angle to the fixing.

A) H01-1528
Comprises: 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 5.5, 6.0, 8.0 and 10mm keys.

B) H01-1529
Comprises: 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16 and 3/8 keys.

PART NO.	DESCRIPTION
H01-1528	A) BALL END KEY SET 1.5 - 10MM
H01-1529	B) BALL END KEY SET 1/16" - 3/8"AF

CLASP-TYPE HEX KEY SETS

Manufactured from hardened and tempered Chrome Vanadium steel with chemically blackened rust resistant finish.

A) 8 piece set comprising 1.5, 2, 2.5, 3, 4, 5, 5.5, 6mm keys in a handy clasp type handle.

B) 8 piece set comprising 1/2, 1/16, 5/64, 3/32, 1/8, 5/32, 3/16 AF keys in a handy clasp type handle.

PART NO.	DESCRIPTION
H01-4250	A) CLASP HEX KEY SET 1.5-6.0MM
H01-4251	B) CLASP HEX KEY SET 0.05-3/16"

FATMAX LOCKING KEY SET

'Lock In Place' feature to lock down keys and prevent unwanted movement.

Available in Hex and TORX® versions.

PART NO.	DESCRIPTION
H01-3371	LOCKING HEX KEY SET 1.5-8MM
H01-3372	LOCKING TORX® KEY SET T9-T40

4Nm PRESET TORQUE WRENCH

Fixed 4 Nm torque tool with 1/4" drive.

Features a click-mechanism to indicate when torque setting is reached.

Includes hex bit sockets: 4mm, 5mm and T25 torx.

PART NO.	DESCRIPTION
H00-5923	4Nm PRESET TORQUE WRENCH

GENERAL HAND TOOLS

PROFESSIONAL TORX® DRIVERS

With bi-material "Energy Grip" handles for extra grip and added comfort. The blades are produced from Chrome Vanadium steel with wear resistant tips. Yellow colour inserts provide easy recognition.
Supplied with Lifetime Guarantee.

A Sizes T6, T7 and T8 have a standard solid Torx® head.

B Sizes T9, T15, T20, T25, T30 and T40 are tamperproof having a central location hole.

Photo is for illustration purpose only and handle may be subject to change.

A STANDARD TORX®

PART NO.	DESCRIPTION
F70- 4271	T6 TORX® DRIVER
F70-4272	T7 TORX® DRIVER
F70-4273	T8 TORX® DRIVER

B TAMPERPROOF TORX®

PART NO.	DESCRIPTION
F70-4274	T9 TAMPERPROOF TORX® DRIVER
F70-4276	T15 TAMPERPROOF TORX® DRIVER
F70-4277	T20 TAMPERPROOF TORX® DRIVER
F70-4278	T25 TAMPERPROOF TORX® DRIVER
F70-4279	T30 TAMPERPROOF TORX® DRIVER
F70-4280	T40 TAMPERPROOF TORX® DRIVER

TORX® KEY SET

7pc Torx® set in clasp handle.

Manufactured from hardened and tempered Chrome Vanadium steel with chemically blackened rust resistant finish.

Comprising:
T9, T10, T15, T20, T25, T30, T40.
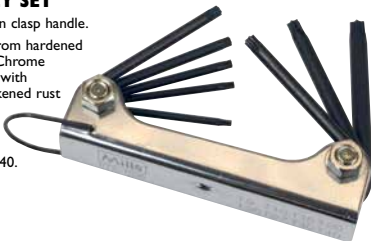
PART NO.	DESCRIPTION
H72-1005	TORX® KEY SET T9 - T40

MILLS PROFESSIONAL NUT DRIVERS

With bi-material "Energy Grip" handles for extra grip and added comfort.

Photo is full illustration purpose only and handle may be subject to change.

PART NO.	DESCRIPTION
F70-4281	5MM NUT DRIVER
F70-4282	5.5MM NUT DRIVER
F70-4283	6MM NUT DRIVER
F70-4284	7MM NUT DRIVER
F70-4285	8MM NUT DRIVER
F70-4286	10MM NUT DRIVER

MILLS SYSTEM ZERO TAMPERPROOF SCREWDRIVER

Specialist driver with hardened steel blade and bi-material handle designed to suit System Zero machine M2.5, M3 and System. Specialist driver with hardened steel blade and bi-material handle designed to suit System Zero machine M2.5, M3 and System Zero self tapping screws No 4 and No 6.

Ideal for repeated use and when more leverage is required.

PART NO.	DESCRIPTION
F00-1041	MILLS SYSTEM ZERO TAMPERPROOF SCREWDRIVER

9 PIECE TORX BIT & HOLDER SET T20 - T55

9pc Torx Bit set in metal storage box covering sizes from T20-T55 with both 3/8" and ½" Drive Adaptor Sockets.

PART NO.	DESCRIPTION
N36-2008	9 PIECE TORX BIT & HOLDER SET T20 - T55

9 PIECE TAMPERPROOF TORX® SET

This tamperproof torx set contains: 7 torx security bits: T10; T15; T20; T25; T27; T30 and T40. The off-set bit driver wrench allows the tool to be used for 90 and 180 degree applications.

All 9 pieces are conveniently stored in a robust PVC belt clip holder.

PART NO.	DESCRIPTION
F00-1842	9 PIECE TAMPERPROOF TORX® SET

AF NUT SPINNER SET

7 piece AF Nut Driver Set with acetate handles and comprising the following sizes 3/16", 1/4", 5/16", 11/32", 3/8", 7/16" & 1/2".

PART NO.	DESCRIPTION
F70-4472	AF NUT SPINNER SET

GENERAL HAND TOOLS

Mills EST.1931

A) 40 PIECE ¼ SQ DRIVE MM/AF SOCKET SET

Chrome Vanadium professional level ¼" drive socket set in blow moulded case comprising;

- MM sockets size: 4.0, 4.5, 5.0, 5.5, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0 and 13.0mm;
- AF sockets size: 1/4, 3/16, 7/32, 9/32, 5/16, 11/32, 3/8, 7/16 and 1/2" AF;
- Reversible ratchet, 3 wobble extension bars size: 50, 100 and 150mm, sliding tee bar, universal joint, spinner handle
- Bit holder 1/4" sq. drive
- 4 x plain slot insert bits, 2 x cross slot bits 2 x PZ TYPE bits, 3 x TX-STAR bits

For further details visit millsltd.com

B) 20 PIECE 3/8 SQ DRIVE MM/AF SOCKET SET

Chrome Vanadium professional level 3/8" drive socket set in blow moulded case comprising;

- 14 sockets: 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21 and 22mm
- 72 tooth reversible ratchet, sliding T-Bar, 2 x extension bars: 50 and 150mm, universal joint

For further details visit millsltd.com

C) 24 PIECE 1/2 SQ DRIVE MM/AF SOCKET SET

Chrome Vanadium professional level 1/2" drive socket set in blow moulded case comprising;

- 16 socket: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32mm
- 3 x Spark plug socket: 10, 12, 14m,
- 72 tooth reversible ratchet, 2 x Extension bars: 125, 250mm, 'T' bar adaptor1/2" (F) x 3/8" (M), Universal joint

For further details visit millsltd.com

PART NO.	DESCRIPTION
G70-4689	A) 40 PIECE ¼ SQ DRIVE MM/AF SOCKET SET
G70-3375	B) 20 PIECE 3/8 SQ DRIVE MM/AF SOCKET SET
G70-3376	C) 24 PIECE 1/2 SQ DRIVE MM/AF SOCKET SET

'GO THROUGH' METRIC SOCKET SET 10-22MM 19 PIECE

Socket set manufactured from chrome vanadium steel hardened and tempered with a polished finish. The unique hollow socket technology of the 'Go Through' ratchet and sockets is ideal for long fixings.

- 13 x 'Go Through' sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm
- 1x Reversible fine tooth ratchet
- 3x Extension bars 38, 75, 150mm
- 2x Socket converters 20mm x 1/4" Square Drive and 20mm x 3/8" Square Drive.
- Manufactured and tested generally in accordance with DIN3122 and ISO3315 Specifications

PART NO.	DESCRIPTION
H84-1977	'GO THROUGH' METRIC SOCKET SET 10-22MM 19 PIECE

DEWALT IMPACT RATED CLEANABLE NUT DRIVER SET - 8, 10, 13MM

Cleanable nut driver set with rounded corners to reduce the wear on nut / bolt heads. 1/4" hex fitting.

Features
- Magnetic socket drive
- Easily cleanable of any magnetised swarf
- Hex shaft for easy attachment

PART NO.	DESCRIPTION
F70-1995	DEWALT IMPACT RATED CLEANABLE NUT DRIVER SET - 8, 10, 13MM

NORBAR NORTORQUE TETHERED TORQUE WRENCHES 1/2" SQUARE DRIVE

The Norbar NorTorque® Tethered Torque Wrenches are accurate up to ± 3%. They feature a built-in tethering point to secure the tool for safe work at height and a double-sided locking plunger square. Built on a trusted, versatile torque wrench design with a micrometer scale for simple and error free setting.

Supplied with a Declaration of Conformance, which meets the requirements of ISO 6789-1:2017.

Available in 3 popular torque settings;

A) 20-100NM
- Drive: 1/2in Square
- Range: 20-100Nm (20-80 lbf.ft)
- Accuracy: ± 3%
- Ratchet Diameter: 38mm
- Weight: 0.9kg

B) 40-200NM
- Drive: 1/2in Square
- Range: 40-200Nm (30-150 lbf.ft)
- Accuracy: ± 3%
- Ratchet Diameter: 46mm
- Weight: 1.1kg

C) 60-300NM
- Drive: 1/2in Square
- Range: 60-300Nm (45-220 lbf.ft)
- Accuracy: ± 3%
- Ratchet Diameter: 46mm
- Weight: 1.5kg

H00-4202 shown

PART NO.	DESCRIPTION
H00-4200	A) NORBAR NORTORQUE TETHERED TORQUE WRENCH 1/2" SQUARE DRIVE 20-100NM
H00-4201	B) NORBAR NORTORQUE TETHERED TORQUE WRENCH 1/2" SQUARE DRIVE 40-200NM
H00-4202	C) NORBAR NORTORQUE TETHERED TORQUE WRENCH 1/2" SQUARE DRIVE 60-300NM

GENERAL HAND TOOLS

COMBINATION WRENCH SET

Supplied in woven canvas type toolroll and featuring "Profile Drive" on the ring end to prevent damage to workpiece and provide better operator safety. The Mills combination wrenches are manufactured using high-specification precision drop forging which ensure uniform steel grain structure providing optimum strength.

Comprising: 6, 7, 8, 9, 10, 12, 13, 14, 15, 17, 19, 22 and 24mm.

PART NO.	DESCRIPTION
H70-5394	13 PIECE COMBINATION WRENCH SET 6-24 MM

OFFSET OPEN ENDED WRENCH SETS - MM AND AF

Forged carbon steel mini wrenches have jaws offset at 15 and 65 degrees making them ideal for confined spaces. Avaialble in metric (mm) and imperial (AF) options.

A) 8 piece set comprising:
5, 5.5, 6, 7, 8, 9, 10 and 11mm.

B) 8 piece set comprising:
7/32, 1/4, 9/32, 5/16,
9/32, 3/8, 11/32, 7/16.

PART NO.	DESCRIPTION
H72-1001	A) 8 PC MM OPEN ENDED WRENCH SET
H72-1000	B) 8 PC AF OPEN ENDED WRENCH SET

A) OPEN ENDED RATCHETING COMBINATION SPANNER

Open end set at 15°. HI-TORQ® ring end manufactured with 72 teeth ratcheting mechanism. Forged from chrome vanadium steel, hardened, tempered, chrome plated. Length 132mm. Available 7, 8, 10 and 13mm.

A

B) 6 PIECE FLEXIBLE RATCHET SPANNER SET

These Chrome Vanadium spanners have flexible ratchet heads, which can turn through 180°, allowing them to be used in more awkward to reach places at any angle. Each spanner has a 72 fine-tooth mechanism. A useful arrow illustration is etched in the spanner to indicate the direction of torque. 180° head for access into tight places. 5° Fine Ratchet Mechanism. This set comprises the following sizes: 8mm, 10mm, 13mm, 15mm, 17mm and 19mm.

B

PART NO.	DESCRIPTION
H70-2011	A) 7MM RATCHETING COMBINATION SPANNER
H70-7368	A) 8MM RATCHETING COMBINATION SPANNER
H70-2038	A) 10MM RATCHETING COMBINATION SPANNER
H70-2039	A) 13MM RATCHETING COMBINATION SPANNER
H70-5393	B) RATCHET SPANNER SET 8-19MM

OPEN ENDED WRENCH SET

Supplied in woven canvas type toolroll and comprising:

6 x 7mm, 8 x 9mm, 10 x 11mm, 12 x 13mm, 14 x 15mm, 16 x 17mm, 18 x 19mm and 20 x 22mm

Mills open end wrenches are manufactured using high-specification precision drop forging which ensures uniform steel grain structure providing optimum strength. Mirror finish.

PART NO.	DESCRIPTION
H70-5395	8 PIECE OPEN ENDED WRENCH SET 6-22MM

6 PIECE METRIC TUBULAR BOX SPANNER SET

Double ended, manufactured from high quality carbon steel, zinc plated for corrosion protection. Sets include tommy bars.

Comprises: 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm, with two tommy bars 100mm and 150mm long.

PART NO.	DESCRIPTION
H70-6849	6 PIECE METRIC TUBULAR BOX SPANNER SET

SATELLITE DISH INSTALLATION WRENCH

A special Bi-Hex cranked ratchet 10x13mm ring wrench, fits most satellite dish fixings. manufactured from Chrome Vanadium Steel.

PART NO.	DESCRIPTION
H30-4259	10X13MM RATCHET WRENCH

Mills EST. 1919

CHROME VANADIUM ADJUSTABLE WRENCHES

Traditional Crescent Shaped Adjustable Wrench, manufactured from Chrome Vanadium Steel, hardened and tempered with chrome plated finish. The jaws are offset at an angle of 22 degrees for ease of access.

The 6", 8", 10" and 12" versions have insulated comfort grips.

PART NO.	DESCRIPTION
H72-1380	4" ADJUSTABLE WRENCH
H72-6380	6" ADJUSTABLE WRENCH (COMFORT GRIP)
H72-6381	8" ADJUSTABLE WRENCH (COMFORT GRIP)
H72-6382	10" ADJUSTABLE WRENCH (COMFORT GRIP)
H72-6383	12" ADJUSTABLE WRENCH (COMFORT GRIP)
H72-1385	15" ADJUSTABLE WRENCH
H72-1386	18" ADJUSTABLE WRENCH

BAHCO ADJUSTABLE WRENCHES

The original Bahco adjustable spanner with 16 degree angled head, measurement scale and easy knurl adjustment with a phosphate finish.

GENUINE BAHCO ADJUSTABLE

PART NO.	DESCRIPTION
H48-1358	4" BAHCO ADJUSTABLE WRENCH
H48-1359	6" BAHCO ADJUSTABLE WRENCH
H48-1360	8" BAHCO ADJUSTABLE WRENCH
H48-1361	10" BAHCO ADJUSTABLE WRENCH
H48-1362	12" BAHCO ADJUSTABLE WRENCH

BAHCO ERGO EXTRA WIDE JAW ADJUSTABLE WRENCHES

Bahco Adjustable Wrenches have a 40% wider opening compared to a standard adjustable wrench of equivalent size. The jaws are angled at 15° to provide maximum access in confined spaces.

Comfortable slip free, warm thermoplastic handle. Available in 4 Lengths.

H72-1391 shown

PART NO.	DESCRIPTION
H72-1391	A) BAHCO ERGO 9029 EXTRA WIDE JAW ADJUSTABLE WRENCH 6 3/4"/170MM
H72-1387	B) BAHCO ERGO 9031 EXTRA WIDE JAW ADJUSTABLE WRENCH 8 1/2"/220MM
H72-1388	C) BAHCO ERGO 9033 EXTRA WIDE JAW ADJUSTABLE WRENCH 10"/250MM
H72-1389	D) BAHCO ERGO 9035 EXTRA WIDE JAW ADJUSTABLE WRENCH 12"/300MM

BAHCO 6" SLIM JAW ADJUSTABLE WRENCHES

Bahco slim jaw wrench feature an extra wide jaw measurement scale and narrow jaw allowing access to tap nuts and thin bushes. Precision-hardened and anti-corrosion treated with a phosphated finish and a comfortable warm thermoplastic slip-free handle.

A) 6"/150MM
- Jaw capacity 32mm / 1 1/4"

B) 8"/200MM
- Jaw capacity 38mm / 1 1/2"

H48-4998 shown

PART NO.	DESCRIPTION
H48-4997	A) BAHCO 9029-T SLIM JAW ADJUSTABLE WRENCH 6"/150MM
H48-4998	B) BAHCO 9031-T SLIM JAW ADJUSTABLE WRENCH 8"/200MM

1000V INSULATED OPEN ENDED SPANNER

An open ended spanner with high voltage insulation rated to 1000V.

PART NO.	DESCRIPTION
H84-1501	SPANNER 1000V INSULATED OPEN ENDED 8MM
H84-1502	SPANNER 1000V INSULATED OPEN ENDED 10MM
H84-1503	SPANNER 1000V INSULATED OPEN ENDED 13MM
H84-1500	SPANNER 1000V INSULATED OPEN ENDED 7/16AF

A) WIDE JAW ADJUSTABLE WRENCH 200MM

Wide opening adjustable wrench with a reversible jaw and serrated edge. Made from chrome vanadium steel, it has a short pattern handle for access in tight spaces. Fitted with a soft grip for increased comfort. Length: 200mm (8 inch). Jaw capacity: 39mm.

B) PASS-THRU ADJUSTABLE RATCHET WRENCH SOCKET 11 PIECE SET

Includes 10 Universal Combo Sockets that fit both standard and metric fasteners. Wrench Length: 200mm / 8".

PART NO.	DESCRIPTION
H48-4996	A) WIDE JAW ADJUSTABLE WRENCH 200MM
H84-1976	B) PASS-THRU ADJUSTABLE RATCHET WRENCH SOCKET 11 PIECE SET

GENERAL HAND TOOLS

QUICK CHANGE RETRACTABLE KNIFE

- Blade chamber release button
- Blade advance button
- Includes 5 high-grade steel blades
- Spring-loaded blade chamber holds 5 standard blades
- Cable sheath stripper
- Blade release button
- Durable, lightweight, aluminum body
- Comfortable ergonomic design.

Mills MASTER Class AS GOOD AS IT GETS

PART NO.	DESCRIPTION
N72-6574	MILLS QUICK CHANGE RETRACTABLE KNIFE
N72-6586	MILLS REPLACEMENT BLADES PK10

FATMAX FIXED BLADE KNIFE

Supplied with 5 FatMax blades.

- Magnetic nose for easy blade changing
- Blade clamp for heavy duty applications
- Push button blade door release for quick and easy blade change
- Thumb pad for comfort

STANLEY FatMax

PART NO.	DESCRIPTION
N72-3380	FATMAX FIXED BLADE KNIFE
N72-3382	FATMAX UTILITY BLADES (PK10)

9MM AND 18MM SNAP OFF KNIVES

Retractable snap-off segment blade.

Available in 2 sizes: 9mm & 18mm.

PART NO.	DESCRIPTION
N72-1005	A) 18MM SNAP OFF KNIFE
N72-1008	PACKET 5 REPLACEMENT BLADES 18MM
N72-1004	B) 9MM SNAP OFF KNIFE
N72-1007	PACKET 5 REPLACEMENT BLADES 9MM

MILLS KNIFE POCKET NO.3 WITH BACK LOCK

Specifically designed for the telecommunication industry this traditional linesman folding pocket knife has been upgraded to feature a special 'back lock' which needs to be depressed to release and close the blade. With the addition of this safety feature, this knife replaces the knife pocket No 2 and is now approved for use by Openreach.

The pocket knife has a 60mm stainless curved pruning blade housed in a yellow ABS handle.

Ref: 115027

PART NO.	DESCRIPTION
N12-6549	MILLS KNIFE POCKET NO.3 WITH BACK LOCK

SPRING BACK SAFETY KNIFE

Specialist safety knife complete with a two notch blade which retracts automatically when released. Die cast zinc alloy with enamelled blue finish. Supplied complete with one knife blade.

PART NO.	DESCRIPTION
N72-6375	MILLS SPRING BACK SAFETY KNIFE
N72-6586	MILLS REPLACEMENT BLADES PK10

STANLEY ORIGINAL RETRACTABLE BLADE KNIFE

Supplied with 3 blades.

STANLEY

STANLEY FATMAX XTREME RETRACTABLE KNIFE

Bigger than standard utility knives allowing work with gloved hands. Supplied with 10 spare blades.

STANLEY

FATMAX RETRACTABLE FOLDING UTILITY KNIFE

The Fatmax Retractable Folding Utility Knife is a durable and convenient general-purpose folding utility knife made from heavy-duty durable metal and featuring an ergonomic rubber handle grip for comfort.

STANLEY FatMax

QUICKSLIDE POCKET KNIFE

Quickslide Pocket Knife with one handed operation blade slider – extends the blade easily and quickly.

STANLEY

PART NO.	DESCRIPTION
N72-3379	A) ORIGINAL RETRACTABLE KNIFE
N72-3378	B) STANLEY FATMAX XTREME RETRACTABLE KNIFE
N72-0002	C) FATMAX RETRACTABLE FOLDING UTILITY KNIFE
N72-0004	D) QUICKSLIDE POCKET KNIFE
N72-6586	MILLS REPLACEMENT BLADES PK10

STANLEY CLASSIC 199 FIXED BLADE KNIFE

Supplied with an assortment of 5 blades.

PART NO.	DESCRIPTION
N72-3381	STANLEY CLASSIC 199 FIXED BLADE KNIFE

CABLE KNIFE CURVED BLADE NON-INSULATED

- Blade manufactured of tempered stainless steel
- Curved blade for easy stripping
- Excellent cutting quality – stays sharp

PART NO.	DESCRIPTION
H87-6484	CABLE KNIFE CURVED BLADE NON-INSULATED

A) MILLS REPLACEMENT BLADES (PK10)

Pack of 10 Mills replacement blades for for Stanley and Stanley style knives.

B) FATMAX UTILITY BLADES (PK10)

Pack of 10 Stanley Fatmax Utility double ended blades.

PART NO.	DESCRIPTION
N72-6586	MILLS REPLACEMENT BLADES (PK10)
N72-3382	FATMAX UTILITY BLADES (PK10)

A) 1000V DISMANTLING KNIFE 180MM

Insulated Dismantling Knife with a 38mm sickle shaped blade with guide shoe at blade point for no damage of the conductor insulation.

B) 1000V HEAVY DUTY BLADE CABLE KNIFE

60mm blade.
180mm overall length.

C) 1000V CURVED BLADE CABLE KNIFE 60MM

60mm curved blade.
!80mm overall length.

PART NO.	DESCRIPTION
H87-2348	A) 1000V DISMANTLING KNIFE 180MM
H87-6482	B) 1000V HEAVY DUTY BLADE CABLE KNIFE
H87-6483	C) 1000V CURVED BLADE CABLE KNIFE 60MM

KNIFE HACKING

Hacking Knife for stripping lead sheath from cable and removal of putty from windows. 115mm polished Chrome Vanadium steel blade securely riveted to a heavy duty handle. Used by striking back of the blade with a hammer.

PART NO.	DESCRIPTION
S83-0747	KNIFE HACKING

SOFT GRIP FILLING KNIFE 25MM

Ideal for inserting filler into cracks or holes, in wood or plaster.

PART NO.	DESCRIPTION
N72-1546	SOFT GRIP FILLING KNIFE 25MM

CONTINENTAL FILLING KNIVES 4 PACK

Pack of four knives for applying filler on small areas.

Features and Benefits:

- Allows for easy patching up of intricate areas
- Blade Material Steel
- Blade Width 50, 75, 100, 125mm

PART NO.	DESCRIPTION
N72-1548	CONTINENTAL FILLING KNIVES 4 PACK

GENERAL HAND TOOLS

MILLS VDE CABLE SCISSORS 140MM

Mills 1000v VDE insulated cable scissors with ergonomic bi-material and comfortable handles complete with stripping notch.

Features
- VDE Certified and Approved
- Soft comfortable assymetric two-component handles
- Stainless steel blades
- Small notch for Cable Stripping
- Length 140mm
- Weight 112g

PART NO.	DESCRIPTION
N72-1200	MILLS VDE CABLE SCISSORS 140MM

138MM CABLE SCISSORS

With serrated blade and notch for effortless cable cutting.

PART NO.	DESCRIPTION
N70-0350	CABLE SCISSORS 138MM

SCISSORS 216MM (8.1/2")

With stainless steel blades and soft-grip handles.

PART NO.	DESCRIPTION
S70-7362	SCISSORS 216MM (8.1/2")

170MM FINE POINT STAINLESS STEEL SCISSORS

A pair of general purpose stainless steel scissors with PVC handles- overall length 170mm and scissor blade length 70mm.

PART NO.	DESCRIPTION
S70-5007	FINE POINT SCISSORS 170MM

SCISSORS 7" CRANKED

General purpose cranked scissors, used for cutting steel and copper tapes in jointing applications.

PART NO.	DESCRIPTION
S83-2693	SCISSORS 7" CRANKED

RAZOR ROPE CUTTER

Designed to easily cut Polyester or Nylon ropes up to 20mm in diameter.

To make a clean cut, simply wrap some tape around the rope at the point at which you wish to make your cut.

Cannot be used on technical ropes made from Dyneema or Tecnora.

PART NO.	DESCRIPTION
E00-0160	RAZOR ROPE CUTTER

A) SHEARS HAND 7" (175MM)

Jewellers pattern snips for intricate work. Drop forged high carbon steel hardened and ground straight blades with cutting edges additionally hardened.

Has 'no-nip' feature which prevents handles locking together and damaging users' hands.

Length: 175mm

B) AVIATION TINSNIPS

240mm Compound Action Tinman's (Aviation) Shears. Straight cutting, carbon steel compound action shears.

Fitted with super sharp compound action blades and heavy-duty handles with slip guards.

C) AV. SNIPS STRAIGHT CUT BI-MAT

The STANLEY® FATMAX® Straight Cut Compound Action Aviation Snips with compound cutting action and serrated cutting blades cut up to 18-gauge cold rolled or 23-gauge stainless steel.

PART NO.	DESCRIPTION
E00-3827	A) SHEARS HAND 7" (175MM)
E70-7647	B) AVIATION TINSNIPS
E72-2020	C) AV. SNIPS STRAIGHT CUT BI-MAT

HACKSAWS

A) Contractor Hacksaw 12" 300mm

Hacksaw for use with 12" (300mm) blades, with soft grip handle. Manufactured from enamelled aluminium with two sets of blade spigots, which allows the hacksaw to be used for straight and 45 degree cutting. The hacksaw is supplied complete with 24TPI HSS blade.

B) Stanley FatMax Hacksaw 5 in 1

Blade can be attached to the front of the hacksaw frame for inside cuts. Blade can be quickly positioned to a 45° angle for making flush cuts. Blade storage inside frame so metal or wood cutting blades. Fully adjustable tension. Standard position is a 90 degree hacksaw with large throat depth. When working in tight spaces, the front section of the frame can be removed like a jabsaw.

C) Hacksaw 300mm 1000V Insulated

Lightweight heavy duty frame with professional multi-coated insulation. Blade tension and blade replacement can be easily undertaken by using the wing nut device. Weight: 800g. Teeth per inch: 24. Length of Blade: 300mm.

D) Mills Hacksaw Blade 300mm

Available as 18TPI or 24TPI blades.

PART NO.	DESCRIPTION
E22-6393	A) CONTRACTOR HACKSAW 12" 300MM
N70-3387	B) STANLEY FATMAX HACKSAW 5 IN 1
H87-3515	C) HACKSAW 300MM 1000V INSULATED
N21-1604	D) MILLS 12" (300MM) 18 TPI BLADE (EACH)
N70-7979	D) MILLS 12" (300MM) 24 TPI BLADE (EACH)

JUNIOR AND MINI HACKSAWS

A) Contractor Mini Hacksaw

General purpose mini hacksaw with comfort grip handle and powder coated frame. Thumb screw fixing for quick replacement and tensioning of blade. Supplied complete with 150mm carbon steel 32 TPI blade.

B) Stanley Junior Hacksaw

Supplied with a 150mm 32TPI blade.

C) Junior Hacksaw 150mm 1000V Insulated

Lightweight 150mm 32 TPI Insulated Junior Hacksaw. Strong compact frame. Professional multi-coated high voltage insulation.

D) Junior Hacksaw Blades Pk of 10

General purpose 150mm carbon steel 32 TPI blades with pinned ends.

PART NO.	DESCRIPTION
E22-6585	A) CONTRACTOR MINI SAW
N70-3389	B) JUNIOR HACKSAW
H87-6485	C) JUNIOR HACKSAW 150MM 1000V INSULATED
N04-1616	D) JUNIOR HACKSAW BLADES PK OF 10

PAD AND PLASTERBOARD SAWS

A) Stanley FatMax Plasterboard/Jabsaw. 7 TPI blade with triple bevelled toothing for 50% quicker and easier cutting. Sharp point ideal for punching through plasterboard. Blade length 150mm.

B) Plasterboard Saw. This Stanley saw is ideal for use on plasterboard. It has a soft grip for ease of use. Teeth per inch: 6tpi. Length: 150mm.

C) Stanley FatMax 12" Compass Saw. 11 teeth per inch for a fine finish. Fine teeth - Easier to start off cuts and control for detail work. Induction hardened teeth stay sharp twice as long.

D) Handy Saw 250mm. Plastic grip handle with carbon steel hacksaw blade. Takes conventional hacksaw blades or broken blades the length of which can be varied by sliding the blade through the handle.

E) Padsaw Complete with Crosscut 150mm Blade. Designed for quick cutting of plasterboard, hardboard or chipboard.

PART NO.	DESCRIPTION
N70-3391	A) FATMAX PLASTERBOARD/JABSAW
N70-7522	B) STANLEY PLASTERBOARD SAW 150MM 6" 6TPI
N70-3384	C) STANLEY FATMAX 12" COMPASS SAW
N70-1977	D) HANDY SAW 250MM
N02-1050	E) PADSAW WITH CROSSCUT 150MM BLADE

GENERAL HAND TOOLS

Mills
EST. 1919

HANDSAWS

A) Stanley Fatmax Fine Cut Handsaw 11Tpi 380Mm

Stanley FatMax® fine cut handsaws have a bi-material handle screwed and ultrasonically welded for comfort and security. Fine cut blade 11 TPI.Length 380mm (15")

B) Venom Double Ground 350Mm Tool Box Saw

Saw blades manufactured from high quality 1mm carbon steel, that has been correctly hardened, tempered, straightened and stress relieved to ensure blade strength and straightness.

C) Stanley Sharpcut Handsaw 7 TPI (20")

Heavy duty Stanley handsaw with 7 TPI 20" blade.

D) Stanley Sharpcut Handsaw Fine Cut 11 TPI (20")

Stanley fine cut handsaw with 11 TPI 20" blade.

E) Soft Grip General Purpose Handsaw 7 TPI 375mm

Fine ground blade surface coated in ultra - tough lacquer to prevent corrosion and ease friction during sawing. 7 TPI. Length: 375mm / 15".

F) Floorboard / Veneer Saw

Shallow bladed, round nosed saw for cross cutting, mitre work, PVC, floorboards and similar items. 12 TPI. Length 330mm (13 in).

PART NO.	DESCRIPTION
N70-1979	A) FATMAX FINE CUT HANDSAW 11TPI 380MM
N70-1981	B) VENOM DOUBLE GROUND 350MM TOOL BOX SAW
N70-3385	C) SHARPCUT HANDSAW 7 TPI (20")
N70-3386	D) SHARPCUT HANDSAW FINE CUT 11 TPI (20")
N70-1980	E) SOFT GRIP GENERAL PURPOSE HANDSAW 7 TPI 375MM
N70-7391	F) FLOORBOARD / VENEER SAW 325MM 13" 12TPI

STANLEY SAWHORSES

A) Stanley Junior Sawhorse Pair

With sturdy metal legs for loads up to 362kg.

B) Stanley Sawhorse Pair

With sturdy metal legs for loads up to 450kg.

C) Stanley Fold Up Legs Sawhorse Pair

With fold up legs for loads up to 340kg.

PART NO.	DESCRIPTION
N70-1976	A) STANLEY JUNIOR SAWHORSE PAIR
N70-1982	B) STANLEY SAWHORSE PAIR
N70-1978	C) STANLEY FOLD UP LEGS SAWHORSE PAIR

FORESTERS BOWSAW

Tubular steel foresters bowsaws give equally good cutting performance on dry timbers as well as green wood and are suitable for gardeners, builders, farmers and DIY etc. Sharp taper enables ease of access amongst branches and undergrowth. The lever tensioner allows easy blade replacement.

Supplied with protective plastic blade sleeve.

• Blade length: 530mm (21").

PART NO.	DESCRIPTION
N70-7651	FORESTERS BOWSAW 530MM (21")

A) TREE PRUNER WITH TELESCOPIC HANDLE

Bypass action secateurs with non-stick coated toughened steel blades. Delivers a smooth clean cutting action every time and fitted with soft grip handles. Overall length 215mm

B) SOFT GRIP BYPASS PATTERN SECATEURS (215MM)

Bypass action secateurs with non-stick coated toughened steel blades. Delivers a smooth clean cutting action every time and fitted with soft grip handles, which provide user comfort even when used for prolonged periods.

C) ANVIL LOPPERS 750MM

These lopping Shears use a compound action to allow a much greater pressure to be applied when cutting. They have lightweight aluminium handles with soft touch grips for comfort

Cutting Capacity: 45mm

Length 750mm / 30 inches.

D) FISKARS POWERGEAR X TELESCOPIC TREE PRUNER

The Fiskars PowerGear™ X Tree Pruner provides an extended reach for cutting fresh wood up to 32mm in diameter. The shaft length is adjustable from 2.4-4m, providing a maximum reach of 6m and a 230° adjustable cutting head.

Specification:

• Cutting Capacity: 32mm
• Vertical Cutting Reach: 6m
• Length: 2.4-4m
• Weight: 1900g

PART NO.	DESCRIPTION
N70-7652	A) TREE PRUNER WITH TELESCOPIC HANDLE
N70-7653	B) SOFT GRIP BYPASS PATTERN SECATEURS (215MM)
N70-2543	C) ANVIL LOPPERS (750MM)
N70-0300	D) FISKARS POWERGEAR X TELESCOPIC TREE PRUNER

CLAW HAMMERS

A) 8 oz steel shafted claw hammer with precision ground and hardened curved claws to withstand the most heavy nail pulling. The securely fitted steel shaft providing maximum leverage.

B) 16 oz Claw Hammer with Chrome plated tubular steel shaft. With non-slip, shock absorbing flock filled vinyl grips, resistant to heat, oil and most solvents.

C) 20 oz Claw Hammer with Chrome plated tubular steel shaft. With non-slip, shock absorbing flock filled vinyl grips, resistant to heat, oil and most solvents.

D) A 16oz claw hammer with a glass fibre shaft fitted with non slip vinyl grip.

E) STANLEY® 20 oz Curved Claw Hammer has a lightweight design with a long handle for improved performance and less user fatigue.

F) STANLEY® 16 oz Curved Claw Hammer has a lightweight design with a long handle for improved performance and less user fatigue.

G) 20 oz Bright Polished claw hammer. Fibreglass shafted, tested and made in conformance with BS8020:2011. Tools for live working.

PART NO.	DESCRIPTION
J53-4155	A) CLAW HAMMER STEEL SHAFTED 8OZ
J53-3000	B) 16 OZ CLAW HAMMER
J53-3001	C) 20 OZ CLAW HAMMER
E22-1954	D) CONTRACTOR CLAW HAMMER GLASS FIBRE SHAFT 16OZ
J75-1022	E) STANLEY FIBREGLASS CLAW HAMMER 560G 20OZ
J75-1023	F) STANLEY FIBREGLASS CLAW HAMMER 450G 16OZ
J75-2790	G) 20 OZ CLAW HAMMER (SHOCKSAFE)

QUALITY DROP FORGED BALL PIEN HAMMERS

With hickory shafts. Conforms to BS876.

A) J53-1002 - This 1/4lb ball pien is manufactured from carbon steel with hardened point.

B) J53-1011 - This 1/2lb ball pein hammer has a drop forged polished and black head with sanded and lacquered hickory shaft.

C) J53-1005 - This 1lb ball pein hammer has a drop forged polished and black head with sanded and lacquered hickory shaft.

D) J53-1762 - Universal engineers ball pein hammer, precision ground with hardened striking faces to withstand the rigours of all applications.

PART NO.	DESCRIPTION
J53-1002	A) 1/4 LB BALL PEIN HAMMER
J72-1001	B) 1/2 LB BALL PEIN HAMMER
J53-1005	C) 1 LB BALL PEIN HAMMER
J53-1762	D) 2LB BALL PEIN HAMMER

DROP FORGED CROSS PEIN HAMMERS

A) E22-6391 - This cross pein pin hammer has a forged polished and black head with sanded and lacquered hickory shaft.

B) J53-1012 - This 1/2lb cross pein hammer has a forged polished and black head with sanded and lacquered hickory shaft.

C) J53-1014 - This 1lb cross pein hammer has a forged polished and black head with sanded and lacquered hickory shaft.

D) J72-7864 - 4 oz fibre shaft cross pein pin hammer has a forged polished and black head and has a long life fibre glass shaft.

PART NO.	DESCRIPTION
E22-6391	A) 3.5 OZ ECO CROSS PEIN PIN HAMMER
J53-1012	B) 1/2 LB CROSS PEIN HAMMER
J53-1014	C) 1 LB CROSS PEIN HAMMER
J72-7864	D) 4OZ FIBRE SHAFT CROSS PEIN PIN HAMMER

GENERAL
HAND TOOLS

NYLON AND RUBBER FACED HAMMERS

Available with replaceable nylon faces or a solid mallet.

A) J61-1030 - A soft faced nylon hammer weighing 250g (8oz) with two screw-in nylon 25mm diameter faces. Ideal as a multi-purpose striking tool in most assembly applications.

B) J61-1031 - A soft faced nylon hammer weighing 450g (16oz) with two screw-in nylon 32mm diameter faces. Ideal as a multi-purpose striking tool in most assembly applications.

C) E22-6390 - White rubber mallet with a rubber head and hardwood shaft weighing 680g (24oz).

D) S00-3509 - With a rubber head, fibreglass shaft and shock-absorbing rubber hand grip. Weight 680g (24oz).

PART NO.	DESCRIPTION
J61-1030	A) 1/2 LB 25MM NYLON FACED HAMMER
J61-1031	B) 1 LB 32MM NYLON FACED HAMMER
E22-6390	C) 680G (24OZ) WHITE RUBBER MALLET
S00-3509	D) 680G (24OZ) RUBBER MALLET WITH FIBREGLASS SHAFT

CLUB (LUMP) HAMMERS

A) 2.5lb and 4lb lump hammers with drop forged polished and black head with sanded and lacquered hickory shaft.

B) 2.5lb and 4lb lump hammers fitted with fibreglass handles and with rubber grips.

Manufactured in accordance with BS876.

C) 2.5lb and 4lb Shocksafe lump hammers fibreglass shafted and manufactured to the exacting specifications of BS8020:2012, tools for live working.

PART NO.	DESCRIPTION
J75-1020	A) 2 1/2 LB CLUB HAMMER
J75-1021	A) 4 LB CLUB HAMMER
J75-1586	B) CLUB HAMMER FIBREGLASS HANDLE 2.5LB
J75-1587	B) CLUB HAMMER FIBREGLASS HANDLE 4 LB
J75-2775	C) CLUB HAMMER SHOCKSAFE 2.1/2LB
J75-2789	C) CLUB HAMMER SHOCKSAFE 4LB

ROUGHNECK MICRO MATTOCKS

The Rougneck Micro Pick Mattocks with an overall length of 380mm (15in), is perfect for working in confined spaces. Ideal for soft or hard ground or for tasks such as cutting roots or removing mortar. Drop forged, heat treated and powder coated for maximum strength and durability. The strong yet lightweight fibreglass core handle features a soft grip for comfort.

Head Weight: 400g (14oz)

Overall Length: 380mm (15in)

PART NO.	DESCRIPTION
S00-0012	A) ROUGHNECK MICRO PICK MATTOCK 400G
S00-0013	B) ROUGHNECK MICRO MATTOCK 400G

STANLEY FATMAX CHISELS

Modified parabolic striking end for greater resistance to mushrooming and chipping. Bi-material hand guard for increased comfort and protection from overstrike. Hardened, quenched & tempered to precise specifications for added safety. Forged from chrome vanadium steel for increased strength and durability and less grinding.

PART NO.	DESCRIPTION
J62-3397	A) STANLEY FATMAX COLD CHISEL 300 X 25MM
J62-3398	B) STANLEY FATMAX BRICKSET CHISEL 75MM
J62-3399	C) STANLEY FATMAX ELECTRICIANS CHISEL 60MM

MILLS COLD CHISELS AND BRICK BOLSTERS

A) Mills 60mm Cold Chisel with Hand Guard. Electricians bolster with hand guard 230 x 60mm (9 x 2 1/4") manufactured from hardened and tempered steel, and benefitting from an impact absorbing hand protection grip.

B) Mills 25mm Cold Chisel with Hand Guard. Cold Chisel with hand guard 250 x 25mm (10 x 1") manufactured from hardened and tempered steel, and benefitting from an impact absorbing hand protection grip.

C) Mills 75mm Brick Bolster with Hand Guard. Brick Bolster with hand guard 250 x 75mm (10 x 3"). Manufactured from hardened and tempered steel, and benefitting from an impact absorbing hand protection grip.

D) Mills 100mm Brick Bolster with Hand Guard. Brick Bolster with hand guard 250 x 100mm (10 x 4"), manufactured from hardened and tempered steel, and benefitting from an impact absorbing hand protection grip.

PART NO.	DESCRIPTION
J62-6638	A) MILLS 60MM COLD CHISEL WITH HAND GUARD
J62-8167	B) MILLS 25MM COLD CHISEL WITH HAND GUARD
J62-8168	C) MILLS 75MM BRICK BOLSTER WITH HAND GUARD
J04-1249	D) MILLS 100MM BRICK BOLSTER WITH HAND GUARD

A) 3PC WOOD CHISEL SET

A 3pc bevel edged wood chisel range for professional work as well as DIY users. Each blade is manufactured from drop-forged chrome vanadium steel that is hardened and tempered to exacting standards, ensuring that the cutting edge remains sharper for longer. All the chisels in this range are supplied with blade guards. Sizes: 13, 19, and 25mm (1/2, 3/4 and 1in). Blade length: 140mm

B) BRADAWL

General purpose Bradawl with a 40mm long blade and 3mm chisel end. This carpenter bradawl benefits from a comfort grip bi material handle.

PART NO.	DESCRIPTION
J27-1000	A) SET OF 3 WOOD CHISELS
E22-6370	B) CONTRACTOR BRADAWL

MILLS 36 PIECE LETTER & NUMBER PUNCH SET 5MM, IN WOODEN STORAGE BOX

36 piece hardened and tempered punch / stamp set comprising 5mm upper case letters and numbers.

Used to provide a label on a pole showing the ID of any CBT's at the top of it. The method will be to attach an aluminium strip, taking care not to obscure 3 metre mark, using Pin Steel 2 7/8" (S83-1746) and use the letter and number punch set to apply the identity of the CBT.

As subsequent CBT's are fitted, then another strip can be added below the existing strips.

Supplied in a wooden storage box.

Ref: 105489

PART NO.	DESCRIPTION
J04-7679	MILLS 36 PIECE LETTER & NUMBER PUNCH SET 5MM, IN WOODEN STORAGE BOX

LETTER PUNCH SET 5MM (3/16 IN)

Used for marking aluminium strips in the identification of CBTs on poles.

Also useful for stamping personal identification or post codes on tools, cycles etc., as frequently recommended by police and insurers.

The punches are manufactured from high quality tested carbon steel with double induction hardened heads to ensure high quality impressions. The body is hardened and the head is tempered to prevent chipping when hammered. Size : 5mm (3/16 in).

Available in letter and set sets

A) Letters: 27 punches with the characters & and A to Z.

Set supplied in plastic box.

B) Numbers: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0 (9 is achieved by reversing 6).

Set supplied in plastic box.

PART NO.	DESCRIPTION
J04-2547	A) LETTER PUNCH SET 5MM (3/16 IN)
J04-2579	B) NUMBER PUNCH SET 5MM (3/16 IN)

PUNCHES

A) Square sectioned centre punch, manufactured from carbon steel with hardened point, and available in 3mm (J04-1200) and 5mm (J04-1202) versions.

B) J04-1205 - Automatic Centre Punch with spring loaded recoil action and 3mm (1/8") hardened steel point.

C) J04-6848 - This set of four punches includes one of each of the following: 3.0, 4.0, 5.0 and 6.35 tip diameters. Length: 100 mm (4 in).

D) J04-6839 - This set of 8 punches includes: 1.6, 2.4, 3.2, 4, 4.8, 6, 8 and 10mm tip diameters. Length: 90mm (3.1/2in). Overall length: 200mm (8in).

PART NO.	DESCRIPTION
J04-1200	A) CENTRE PUNCH 3MM
J04-1202	A) CENTRE PUNCH 5MM
J04-1205	B) AUTOMATIC CENTRE PUNCH
J04-6848	C) 4PC ROUND HEAD PARALLEL PIN PUNCH SET
J04-6839	D) 8PC LONG SERIES ROUND HEAD PIN PUNCHES

FILES

A) Round Second Cut Engineer's Files.

Second Cut: Approx 36 teeth per 25mm (Medium).

N56-3266 - Blade Length: 150mm (6in). Blade Width: 6mm (1/4in)
N56-3276 - Blade Length: 250mm (10in) Blade Width: 9mm (5/16in)

B) Half Round Second Cut Engineer's File.

Cut: Half-Round Second.

N56-1461 - Blade Length: 150mm (6 in). Blade Width: 16mm (5/8 in).
N56-3282 - Blade Length: 250mm (10in). Blade Width: 24mm (7/8in).

C) Engineers File Sets. All Files Are 2nd Cut.

N01-1805 Complete with handles, this 4 piece 8" (200mm) Second Cut file to include, 1 x Hand File 2nd Cut, 1 x Half Round File 2nd cut. 1 x Triangular File 2nd Cut and 1 x Round File 2nd Cut.

PART NO.	DESCRIPTION
N56-3266	A) ROUND SECOND CUT FILE 150MM 6"
N56-3276	A) ROUND SECOND CUT FILE 250MM 10"
N56-1461	B) HALF ROUND FILE 150MM 6"
N56-3282	B) HALF ROUND FILE 250MM 10"
N01-1805	C) 8" FILE SET 4 PIECE

GENERAL HAND TOOLS

A) SET OF 6 KEY FILES

Set of 6 key files with impact-resistant plastic handles. File length 100mm comprising 1 x Half round tapered file, 1 x Square file, 1 x Flat file, 1 x Triangular file, 1 x Flat tapered file,1 x Round file.

B) SET OF 10 NEEDLE FILES

N56-1562 A standard 10 piece steel needle file set supplied in a neat, plastic wallet, comprising, 1x Round,1x Flat Parallel, 1x Flat Tapered, 1x Square. 1x Triangular ,1x Crossing, 1x Half Round ,1x Knife, 1x Oval and 1x Barrette.

C) STANLEY SURFORM FLAT BLOCK PLANE

The Stanley Surform® Flat Block Plane for use on all types of wood, aluminium, copper, plastics and laminates. The metal body gives strength and durability and a thumb screw provides a quick blade release. It is supplied fitted with a 140mm (5.1/2in) fine cut blade. Overall Length: 155mm (6in).

PART NO.	DESCRIPTION
N56-1557	A) SET OF 6 KEY FILES
N56-1562	B) SET OF 10 NEEDLE FILES
S00-9891	C) STANLEY SURFORM FLAT BLOCK PLANE

PRY BARS

A) Wrecking Crowbar.

Manufactured from octagonal steel cross section with hardened and tempered chisel and claw ends, which ensure maximum strength and durability. For opening packing cases, pulling out nails, levering off shuttering etc. Available in 18" (450mm) and 24" (600mm) lengths.

B) Roughneck Utility Bar.

Roughneck Mini Utility Bar manufactured from stamped alloy steel that has been hardened and tempered. It has a painted and powder-coated finish with polished tips and an integral nail puller to remove embedded nails. Available in 7" (175mm) and 15" (380mm) lengths.

C) Roughneck 5 Piece Pry and Wrecking Bar Set.

2 x Utility Bars. Sizes: 1 x 175mm (7in) and 1 x 380mm (15in).

2 x Wrecking Bars. Sizes: 1 x 300mm (12in) and 1 x 380mm (15in).

1 x Gorilla Bar Junior. Size: 356mm (14in).

D) Pry Bar Set 3 Piece 210, 300 & 450mm.

Pry Bar Set containing three sizes of bar to help pry, lift, position and align machinery and parts into place.

E) FatMax Spring Steel Wonder Bar

• Spring steel for extreme strength & durability
• Precision ground edge for better penetration
• Wide prying edge for good leverage
• Pointed prying edge for better penetration
• Flat striking face for demolition work

Available in 15" (375mm) and 21" (525mm) lengths.

F) FatMax Spring Steel Moulding Bar 10"

• Spring steel for durability
• Non slip grip for extra leverage
• Polished bevelled claws for better access

Length: 10" (250mm).

G) FatMax Spring Steel Clawbar 10"

• Spring steel for durability
• Non slip grip for extra leverage
• Polished bevelled claws for better access

Length: 10" (250mm).

H) FatMax Spring Steel Wrecking Bar

• Spring steel for extreme strength & durability
• Precision ground edge for better penetration
• Wider prying edge for better leverage
• Flat striking face for demolition work & impact with hammer

Available in 24" (600mm) and 36" (900mm) lengths.

STANLEY FatMax

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
S00-1227	A) WRECKING CROWBAR 600MM	J62-3400	E) SPRING STEEL WONDER BAR 375MM
S00-3678	A) WRECKING CROW BAR 450MM	J62-3401	E) SPRING STEEL WONDER BAR 525MM
S00-0111	B) ROUGHNECK MINI UTILITY BAR 175MM (7IN)	J62-3402	F) SPRING STEEL MOULDING BAR 250MM
S00-0100	B) ROUGHNECK UTILITY BAR 380MM (15IN)	J62-3403	G) SPRING STEEL CLAWBAR 250MM
J53-2033	C) ROUGHNECK 5 PIECE PRY AND WRECKING BAR SET	J62-3404	H) SPRING STEEL WRECKING BAR 600MM
J53-2032	D) PRY BAR SET 3 PIECE 210, 300 & 450MM	J62-3405	H) SPRING STEEL WRECKING BAR 900MM

CAULKING GUNS

A) Contractor Standard Caulking Gun
An economy mastic or sealant gun for use with most 310ml cartridges.

B) Contractor Professional Caulking Gun
Professional sealant gun with frictionless movement which allows for precise control for a more controlled delivery of sealant and mastic. The product has been specially designed for heavy duty applications and is suitable for use with standard 310ml mastic cartridges.

C) Roughneck Vari-Flow Heavy-Duty Sealant Gun
The Roughneck® Vari-Flow Heavy-Duty Sealant Gun easily switches between a thrust ratio of 12:1 and 25:1 for exceptional power with minimum force. The non-drip selector is ideal when working indoors or at height to avoid spillage. The rotating barrel and comfortable rounded grip ensure maximum control and reduce fatigue. Quick-release mechanism and hook end for easy cartridge change.

D) Silicone Sealant Removal Tool
Designed to remove old silicone sealant. Manufactured from durable plastic with stainless steel blade, three blades allow the user to remove silicone with push, pull and scrape motion.

PART NO.	DESCRIPTION
E22-6395	A) CONTRACTOR STANDARD CAULKING GUN
E22-6392	B) CONTRACTOR PROFESSIONAL CAULKING GUN

PART NO.	DESCRIPTION
R99-1218	C) ROUGHNECK VARI-FLOW HEAVY-DUTY SEALANT GUN
R99-0518	D) SILICONE SEALANT REMOVAL TOOL

BOLT CROPPERS

A) Knipex 71 22 200 Cobolt Compact Angled Head Bolt Cutter 200mm
The CoBolt 71 22 200 with the 20° angled head has been designed for all jobs where you need to cut as close as possible to the surface below. Protruding nails, screws, wire or strands with diameters up to 6 mm can be cut flush thanks to its sophisticated design with joint bar on one side.

B) Centre Cut Bolt Cutters
Suitable for cutting high tensile steel bars, chains and metal sections Available as overall cutting lengths 450mm, 600mm and 900mm.

PART NO.	DESCRIPTION
E00-0109	A) KNIPEX COBOLT COMPACT ANGLED HEAD BOLT CUTTER 200MM
S83-0870	B) CENTRE CUT BOLT CUTTERS 450MM

PART NO.	DESCRIPTION
S83-0873	B) CENTRE CUT BOLT CUTTERS 600MM
S83-3177	B) CENTRE CUT BOLT CUTTERS 900MM

TACKER AND STAPLES (FLAT)

A) Stanley SharpShooter Heavy-Duty Staple Gun
The Stanley 0-TR150HL SharpShooter Staple Gun is a heavy-duty staple and brad nail gun with aluminium housing for added durability and long-lasting usability. It is designed for thin woods and sheet materials and suitable for applications such as gardening, wire netting, insulation, beading, fencing, trim work, and panelling.

B) Stanley Heavy Duty Staple/Nail Gun
A heavy duty staple and brad nail gun with aluminium housing for added durability and long lasting usability. Designed for use on thin woods and sheet materials and suitable for applications such as gardening, wire netting, insulation, beading, fencing, trim work and panelling.

C) Stanley SharpShooter TRA7 Heavy-Duty Staples 14mm
Pack of 1000 Stanley TRA709T Heavy-Duty Staples 14mm. Also known as Type: 4, 11 or 140.

D) Tacwise A54 (Type 140) Hammer Tacker

E) Tacwise 140/12mm Stainless Steel Staples - Box of 2000
Premium quality, heavy duty, flat wire staples (thicker than 13 and 53 type) with sharp, V-shaped chisel points that provide easy penetration and a strong hold.

Pack of 2000 x type 140/12mm stainless steel staples, equivalent to Stanley Type G, Rapid 140 and Arrow T50 staples.

For Cable Tackers see page 308

PART NO.	DESCRIPTION
S57-0614	A) STANLEY SHARPSHOOTER HEAVY-DUTY STAPLE GUN
S57-0580	B) STANLEY HEAVY DUTY STAPLE/NAIL GUN
S57-0615	C) STANLEY SHARPSHOOTER TRA7 HEAVY-DUTY STAPLES 14MM
S83-0646	D) TACWISE A54 (TYPE 140) HAMMER TACKER
S83-0647	E) TACWISE 140/12MM STAINLESS STEEL STAPLES - BOX OF 2000

GENERAL HAND TOOLS

MILLS EXTRA HEAVY DUTY 7.5M TAPE MEASURE

Exceptionally robust tape measures with rubberised shells capable of withstanding the most harsh working conditions. The yellow power return blade is easily locked by a positive lever action. All tapes are fitted with metal belt clips. The extra wide blades are very clearly marked in 1/16ths and mm. This 7.5m (24ft) tape measure features a 25mm(1") wide blade.

PART NO.	DESCRIPTION
K70-5012	7.5M (24FT) TAPE MEASURE

CONTRACTOR 5M/16FT TAPE MEASURE

The Eco 5m/16ft Retractable Tape Measure is a heavy duty 25mm width tape with positive blade lock and strong belt clip. It has a rubberised case capable of withstanding most harsh working applications. The yellow dual scale blade measures cm/ as 1/4"/1/16", and has a 3 rivet 10mm deep hook for securing

mm as well

to a work piece during measurement. A wrist strap is provided as standard for security, during measurement.

PART NO.	DESCRIPTION
E22-6373	CONTRACTOR 5M/16FT TAPE MEASURE

FATMAX XTREME TAPE MEASURE

• Blade armour coating on the first 150mm reduces the risk of breaking the tape
• Huge standout of almost 4 metres for easy one person measuring
• 32mm wide blade makes reading the numbers easy
• Cushion grip provides sturdy, slip-resistant hold
• Mylar coated blade is up to 10 times more resistant to abrasion than normal lacquered blades
• Belt clip

PART NO.	DESCRIPTION
K70-3418	XTREME TAPE MEASURE 5M/16FT
K70-3419	XTREME TAPE MEASURE 8M/26FT
K70-3420	XTREME TAPE MEASURE 10M/30FT

STANLEY TYLON TAPE MEASURES

Stanley Tylon Tape Measure have centralised numbers for blade markings that allow for easy identifications of measurement and greater accuracy.

Available as 5m 19mm and 8m 25mm.

PART NO.	DESCRIPTION
K70-0744	A) STANLEY TYLON 5M 19MM TAPE MEASURE
K70-0745	B) STANLEY TYLON 8M 25MM TAPE MEASURE

STANLEY 8M 26FT POWERLOCK BLADE ARMOUR 25MM

Abrasion resistant polyester film coated blade coating provides up to 10 times more resistance to abrasion than a standard lacquered blade, increasing the life of the tape and reducing wear on most heavily used sections of the blade.
TRU-ZERO™ HOOK for precise inner and outer measurements, moving back and forth along the securing rivets to account for the hook thickness.

PART NO.	DESCRIPTION
K70-3416	STANLEY 8M 26FT POWERLOCK BLADE ARMOUR 25MM

FATMAX TAPE 8M /26FT 1 1/4"

The Stanley FatMax 8M/26ft Tape Measure with 32mm blade width for clear and legible markings, is class II accurate providing a reassuring +/- 0.5mm error tolerance at 1m. The tape also features a abrasion resistant polyester film coated blade coating provides up to 10 times more resistance to abrasion than a standard lacquered blade.

PART NO.	DESCRIPTION
K70-3417	FATMAX TAPE 8M /26FT 1 1/4"

NON CONDUCTIVE TAPE MEASURE 3M

Fully insulated, non-conductive 3m tape measure ideally suited for use by electricians and those working within close proximity to electricity. Metric and imperial. Proof tested to 20kV.

PART NO.	DESCRIPTION
H87-3523	NON CONDUCTIVE TAPE MEASURE 3M

CLOSED ABS FIBREGLASS LONG TAPE 30M 100FT

Fibreglass 30m/100ft Tape featuring a 13mm wide blade clearly marked in both metric and imperial measurements.

The tape is stored in a tough closed ABS case with a hand strap and a folding metal rewind handle, with a rotating winding knob that allows the tape to be quickly rewound after use.

This 30m/100ft Fibreglass Long Tape has both metric and imperial measurements.

PART NO.	DESCRIPTION
K70-7646	CLOSED ABS FIBREGLASS LONG TAPE 30M 100FT

STEEL RULES

A) Stainless Steel Rules. With metric & imperial markings.

B & C) Combination Square. Precision rule manufactured from hardened stainless steel and available in 6" (150mm) and 12" (300mm) sizes. The steel rule benefits from clear black graduation markings in metric of 0.5mm, 1mm, 0.5cm, 1cm and imperial markings of 1/64", 1/50", 1/32", 1/20", 1/16", 1/10", 1/2".

D) Folding Rule 1000mm. Plastic construction with clear metric and imperial graduations. 4 folding sections for convenient storage. Length 1m.

E) Digital Vernier Caliper. Fibre composite digital Vernier caliper, operates in metric and imperial. Resolution 0-150 x 0.1mm / 0-6 x 0.01.
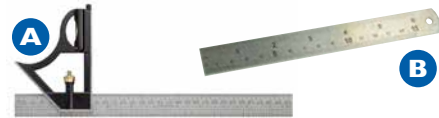
PART NO.	DESCRIPTION
K07-1172	A) 12" - 300MM COMBINATION SQUARE
K51-1006	B) 6" - 150MM STAINLESS RULE
K51-1007	C) 12' - 300MM STAINLESS RULE
K70-1690	D) FOLDING RULE 1000MM
J04-3416	E) DIGITAL VERNIER CALIPER

LEVELS

A) Stabila Plastic Line Level. Stabila lightweight plastic line level for attaching to builders lines by means of 2 integrated hooks.

B) Contractor Magnetic Boat Spirit Level. Mills 'Contractor' lightweight magnetic boat level Includes 3 vials for 45°, 90° and 180° measurements and hanging hole for storage..

C) Contractor Magnetic Base Spirit Level 240mm. This scaffold level has a strong die-cast body which is shaped for easy handling and is ideal for scaffolders, pipe fitters and steel erectors.

D) Stanley Fatmax Xtreme 250mm Spirit Level.
- +/- 0,5 mm/m accuracy
- 10 years warranty on the accuracy
- 180 degree rotation vial.

E) Contractor Pocket spirit level. compact pen style spirit level with pocket clip.

F) Mini Level 100mm. ABS moulded plastic level with two vials and 0 - 90° angle finder in body. Length: 100mm.

G & H) Builder's Level. Box Section Spirit Levels manufactured from aluminium extrusion with a resilient powder coated finish, making them lightweight, strong and easy to keep clean. The bottom face is milled for high flatness. Each level is fitted with 3 solid vials; 2 plumb and 1 horizontal that have a measurement accuracy of ±0.5mm per metre.

Available in 400mm, 600mm, 1000, 1200mm and 1800mm lengths.

I) Fatmax Xtreme Level. This scaffold level has a strong die-cast body which is shaped for easy handling and is ideal for scaffolders, pipe fitters and steel erectors.

PART NO.	DESCRIPTION
K70-0750	A) STABILA PLASTIC LINE LEVEL
E22-6369	B) CONTRACTOR MAGNETIC BOAT SPIRIT LEVEL
E22-2111	C) CONTRACTOR MAGNETIC BASE SPIRIT LEVEL 240MM
K99-3005	D) STANLEY FATMAX XTREME 250MM SPIRIT LEVEL
E22-6371	E) CONTRACTOR POCKET SPIRIT LEVEL
K99-3006	F) MINI LEVEL 100MM
K99-3003	G) 400MM - 16" LEVEL
K99-6840	G) 600MM - 24" LEVEL
K99-6841	G) 1000MM - 40" LEVEL
K99-6842	G) 1200MM - 48" LEVEL
K99-6845	H) 1800MM - 72" LEVEL
K99-3426	I) FATMAX XTREME LEVEL 60CM
K99-3427	I) FATMAX XTREME LEVEL 100CM
K99-3428	I) FATMAX XTREME LEVEL 120CM
K99-3429	I) FATMAX XTREME LEVEL 180CM

LINES

A) Mason Line 76.2m 250ft Fluorescent Pink. Suitable for staking out sites, concrete and landscaping layout and brick/block laying.

B) Mason Line 76.2m 250ft Fluorescent Yellow. Suitable for staking out sites, concrete and landscaping layout and brick/block laying..

C) Mason's Line 76.2m (250ft) Yellow. Suitable for staking out sites, concrete and landscaping layout and brick/block laying.

D) Marshalltown Line Pins - Pair. Marshalltown Line Pins help stretch mason's line while laying brick or block. Their leaf point design allows you to place them easily into mortar joints or stake them into the ground.

PART NO.	DESCRIPTION
K70-1589	A) MASON LINE 76.2M 250FT FLUORESCENT PINK
K70-1644	B) MASON LINE 76.2M 250FT FLUORESCENT YELLOW

PART NO.	DESCRIPTION
K70-7647	C) MASON'S LINE 76.2M (250FT) YELLOW
S83-0059	D) MARSHALLTOWN LINE PINS - PAIR

MASON'S LINE WINDER 76.2M (250FT) ORANGE

The Marshalltown M634 Mason's Line Winder can be used to create straight lines and a level surface when laying out posts, patios, footings and more.

It has been heat set for increased stability and remains unaffected when in contact with mortar, oil, mildew or water.

Its orange colour makes it extremely visible on-site and the plastic winder keeps it intact for safe and neat storage.

Complete with 76.2m (250ft) of orange mason's line.

PART NO.	DESCRIPTION
K70-7645	MASON'S LINE WINDER 76.2M (250FT) ORANGE

BONDED NYLON MASON'S LINE 152M (500FT) FLECKED WHITE

Marshalltown Nylon Mason's Line which is bonded and braided for greater durability. It is not affected by extreme moisture, dryness or mildew.

The line is ideal for staking out sites before concreting, landscaping or laying bricks or blocks.

Length: 152m (500ft)

Colour: Flecked White.

PART NO.	DESCRIPTION
K70-7649	BONDED NYLON MASON'S LINE 152M (500FT) FLECKED WHITE

CHALK LINE 30M

- Stainless steel and hook for added durability and rust prevention.
- Ergonomic design holds 30m of string, 30g chalk capacity.
- Can be used vertically as a plumb bob.
- Sliding door for quick and easy refill.

STANLEY

PART NO.	DESCRIPTION
K70-7648	CHALK LINE 30M

PLUMB LINE

Supplied with 18m of orange line, the plumb bob is 115mm long with a diameter of 18mm and weighs 113g.

PART NO.	DESCRIPTION
K99-3555	PLUMB LINE

GREEN CHALK MARKING TOOL

Marxman is a unique tool designed to quickly, easily and clearly mark almost any surface. The perfect drilling companion for electrical, plumbing, building jobs and much more. Each pen contains 250+ bursts of removable fluorescent green pigment, and is capable of marking all surfaces including brick, metal, wood, pebbledash, porcelain and ceramic.

PART NO.	DESCRIPTION
K70-7870	GREEN CHALK MARKING TOOL

CHALK POWDER

A, B and C) Chalk Powder Refill 113g.
Brightly coloured chalk powder refill for use with chalk line reels. Available in Red, White and Blue.

C) High-Vis Green Chalk Powder 200g.
To produces clear and long-lasting lines.

PART NO.	DESCRIPTION
K70-7640	A) CHALK POWDER REFILL RED 113G
K70-7641	B) CHALK POWDER REFILL WHITE 113G
K70-7642	C) CHALK POWDER REFILL BLUE 113G
K70-7643	D) HIGH-VIS GREEN CHALK POWDER 200G

HEADTORCHES

A) Contractor LED Head Torch. Professional LED Head Torch, ideal for proximity lighting for inspection work producing 150 lumens with a maximum range of 25 metres. The head torch benefits from a fully adjustable washable 25mm head strap, and has 180 degree lamp adjustment. This heavy duty style head torch features 2 white lighting modes and 1 red light option, for preserving night vision.

The product is supplied in black ABS and requires 3 x AAA batteries (not provided) with a working time of 6-10 hours.

- Ingress protection: IP44 Rating
- LED Lifetime: 100,000 hours.
- Dimensions: 60 x 45 x 60mm.
- Weight: 56g.
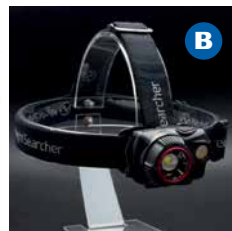
B) Zoom 700R Rechargeable / 3 x AAA Spot-to-Flood Head Torch 700 Lumen. The NightSearcher Zoom 700R head torch is a new and improved version of the Zoom 580R, is a super lightweight, comfortable head torch with a powerful 700 lumens output at full power. Rotate the zoom lens to switch from a 200 metres spot beam down to a diffused wide beam for close up illumination. The Zoom 700R features a hybrid power supply, allowing you to swap from the built-in rechargeable battery pack to an optional disposable battery pack. However, with standard battery runtimes up to 25 hours, you'll never be left in the dark.

C) SafAtex HT Pro LED Head Torch 220 Lumens. NightSearcher SafAtex HT Pro LED Head Torch 220 Lumens intrinsically safe head torch for use in hazardous environments.

- 220 Lumens light output.
- 100 metre beam.
- Run up to 12 hours.

D) HT800RX Rechargeable Proximity Distance Dimming Head Torch. The NightSearcher HT800RX Rechargeable Proximity Distance Dimming Head Torch uses advanced reactive proximity distance dimming: automatically adjusting from spot (long distance) to flood (close up) beam according to its surroundings.

- 800 lumen light output / 550 metre beam
- Runtime of up to 169 hours
- Narrow spot / wide flood beam + two rear warning modes
- Brightness memory function
- Battery status indicator
- Supplied with USB charging cable
- Optional spare battery available

E) Petzl NAO+ Headtorch. The Petzl NAO+ is an ultra-powerful, multi-beam, rechargeable headlamp delivering 750 lumens. The headtorch has a 3100mAh battery which can be fully charged in 6-8 hours using the USB charging lead and, depending on the chosen burn time, will provide between 6.5 h or 15 h of bright light. Three beam patterns provide flood, mixed or focused spreads. Weight 185g.

CONTRACTOR
Just the job

PART NO.	DESCRIPTION
E22-2078	A) CONTRACTOR LED HEAD TORCH
M99-5075	B) ZOOM 700R RECHARGEABLE / 3 X AAA SPOT-TO-FLOOD HEAD TORCH 700 LUMEN
M99-5084	C) SAFATEX HT PRO LED HEAD TORCH 220 LUMENS
M99-5074	D) HT800RX RECHARGEABLE PROXIMITY DISTANCE DIMMING HEAD TORCH
T18-0043	E) PETZL NAO+ HEADTORCH

ELITE LED RECHARGEABLE INSPECTION WAND 800 LUMENS

Ideal tool for illuminating hard to reach areas with 2 operation modes; it can be used as either a floodlight from the main LED or as a spot beam from the LED on the end of the wand. Dimmable by turning a rotary dial, it provides a clear white light output of 800 lumens for up to 10 hours.

Features: Hanging hook, magnetic ball joint base, IP67 rated supplied with 1m USB cable.

Charge Time: approx. 4 hours.

Overall Dimensions: 414 x 52 x 48mm.

Weight: 260g.

PART NO.	DESCRIPTION
M99-3758	ELITE LED RECHARGEABLE INSPECTION WAND 800 LUMENS
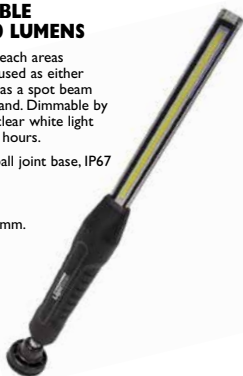
See page 257 for Site and Flood Lighting

Mills
EST. 1919

GENERAL HAND TOOLS

A) MINI MILLSLITE CREE LED TORCH

Mini Millslite Cree LED Torch. Manufactured from high quality corrosion resistant and durable aluminium. This mini torch is ideal for minor inspection applications and is easily stored in a small tool wallet or pocket. The torch is powered by 2 x AA cell batteries (not included) and uses an intense XPG Cree 3w LED. The beam of the minilight torch can easily be adjusted from flood and spot.

Length 147mm with a diameter of 29mm, weight 102g.

B) MILLSLITE COMBINED LED TORCH AND WORK LIGHT

Length 170mm with a diameter of 43mm, weight 280g.

C) MILLS MAGNETIC TORCH HOLDER

Designed to be used in conjunction with the Mills M99-6916 'Millslite LED Torch and Worklight', the holder is ideal for accurate positioning on most magnetic surfaces and benefits from 4 friction pads which prevent damage to the work area and also provide additional grip on sheer finishes.

PART NO.	DESCRIPTION
M99-6914	A) MINI MILLSLITE CREE LED TORCH
M99-6916	B) MILLSLITE COMBINED LED TORCH AND WORK LIGHT
M99-6998	C) MILLS MAGNETIC TORCH HOLDER

A) CONTRACTOR 24 LED HAND INSPECTION LIGHT

Powerful 24 white LED Inspection worklight producing 30 lumens and ideal for providing proximity lighting for inspection work. The lamp has a durable ABS case with swivel hook and magnet fixing for positioning the torch in the workplace.

Supplied with 3 x AA Batteries.

Weight 120g.

Dimensions: 201 x 60 x 30mm.

B) MILLS 24 LED HAND INSPECTION LIGHT

The Mills Lightmate is a versatile installers inspection torch that puts out 180 lumens through its 3W COB and 1W LED to brightly illuminate work areas.

This LED work light is fully portable and is powered by 3 included AAA batteries to offer a constant run time of up to 4 hours.

In addition, this work light has a built in hook, built in magnet and a 360 degree rotatable croc clip handle making it possible to affix to almost all inspection areas.

PART NO.	DESCRIPTION
E22-2077	A) CONTRACTOR 24 LED HAND INSPECTION LIGHT
M99-3833	B) MILLS LIGHTMATE LED WORK LIGHT

A) MILLS INTRINSICALLY SAFE TORCH

Mills portable, handheld intrinsically safe flashlight, Atex IECEx Approved, for use in hazardous locations and can be powered with three size C alkaline cells (not included). It has high and low mode operating functions that allow users to operate for high brightness or long duration lighting. The torch further benefits from a pocket clip and wall fixing bracket.

• Intrinsically safe for use in hazardous locations
• High and Low mode functions
• Uses high power CREE LED
• Submersible in water
• Tough and durable casing
• High efficient heatsink
• Screw fastener for safety precautions
• Build-in release vent

Ref: 127591

B) MILLS INTRINSICALLY SAFE RIGHT ANGLE ATEX TORCH

Mills intrinsically safe ATEX right angle hand torch has a rugged design which ensures that it's ready for almost any challenge. Featuring a stainless steel clip on the rear for easy attachment to a pocket loop on overalls, or to a tool belt.

Emitting up to 325 Lumens, producing a maximum beam of 290 metres, the torch has a maximum operating time of 13 hours with two light modes available.

Requiring four AA batteries (not included), the angled flashlight has a gas pressure release valve ensuring it's safe for gas zones 0, 1 and 2, as well as being mining approved.

With an easy-to-use, maintenance-free design, the torch has a robust polycarbonate housing and rubber grip around the handle and head for durability. It's even impact resistant and can withstand a drop of 1 metre.

IP54 Rated. Dimensions: 183 x 69 x 63mm.

PART NO.	DESCRIPTION
M14-6884	A) MILLS INTRINSICALLY SAFE TORCH
M14-0652	B) MILLS INTRINSICALLY SAFE RIGHT ANGLE ATEX TORCH

MAGNIFYING TWEEZERS

A useful aid to assist in the fibre optic assembly work, this fine point stainless tweezer is 92mm in length and benefits from an integral 25mm diameter x 4 integral magnifying glass.

PART NO.	DESCRIPTION
M99-6919	MAGNIFYING TWEEZERS

560MM FLEXIBLE MAGNETIC PICKUP TOOL

Features a chrome plated flexible shaft with plastic handle and removable protective cap over magnet.
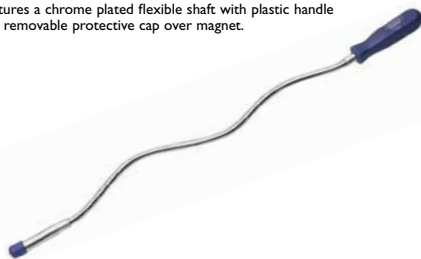
PART NO.	DESCRIPTION
M70-6846	560MM FLEXIBLE MAGNETIC PICKUP TOOL

A) TELESCOPIC LED ILLUMINATED INSPECTION MIRROR

An LED telescopic inspection mirror which is an ideal tool for those difficult to see jobs. It can be positioned to almost any angle with its articulated joint and has a cushion grip extendable shaft.

B) 610MM FULLY FLEXIBLE CLAW-ACTION PICK UP TOOL

Fully flexible plated stem with claw action pick-up end, controlled from spring-loaded grip.

C) TELESCOPIC MAGNETIC PICK-UP TOOL 95 - 465MM

A fully extendable pick up tool with magnetic end. Ideal for the retrieval of nuts, screws and objects lost in difficult to reach places.

Length retracted: 95mm

Length extended: 465mm

PART NO.	DESCRIPTION
M15-6570	TELESCOPIC LED ILLUMINATED INSPECTION MIRROR
M70-6847	610MM FULLY FLEXIBLE CLAW-ACTION PICK UP TOOL
M99-3430	TELESCOPIC MAGNETIC PICK-UP TOOL 95 - 465MM

FLEXIBLE SHAFT 60MM ROUND INSPECTION MIRROR

60mm Ø mirror suitable for use in confined areas. Heavy-duty rubber grip and strong, spring steel flexible shaft.
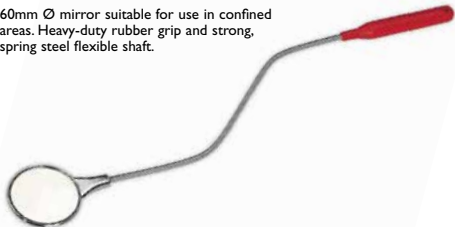
PART NO.	DESCRIPTION
M70-6567	FLEXIBLE SHAFT 60MM ROUND INSPECTION MIRROR

5 PIECE TELESCOPIC MAGNETIC PICKUP & INSPECTION KIT

Heavy-duty six section telescopic extending shaft with textured grip for comfort and control. Magnet features recessed LED to illuminate pick-up area. 3 x LR44 batteries are included.

- Quick release adaptor for easy fitting of individual accessories.
- Kit includes 35mm Ø inspection mirror, which is mounted on twin ball joints for maximum articulation, 50 x 80mm hinged rectangular mirror, 10mm Ø magnet with 1kg capacity.

PART NO.	DESCRIPTION
M15-6568	5 PIECE TELESCOPIC MAGNETIC PICKUP & INSPECTION KIT

A) INSPECTION MIRROR 22MM COMPLETE WITH MAGNET PICK UP

With a 7/8" diameter round magnifying mirror, the A-2TM inspection mirror can be adjusted for optimal viewing.

Telescoping from 7.1/4" to 27.1/2" for fast precise inspection or retrieval of lost metal objects in hard to reach areas.

B) MILLS INSPECTION MIRROR 21MM

Fixed 21mm diameter mirror - 162mm overall length.

C) MILLS INSPECTION EYEGLASS X4

A watchmaker's eyeglass with x4 magnification.

PART NO.	DESCRIPTION
M70-4252	A) INSPECTION MIRROR 22MM COMPLETE WITH MAGNET PICK UP
M70-4253	B) MILLS INSPECTION MIRROR 21MM
M99-1018	C) MILLS INSPECTION EYEGLASS X4

GENERAL HAND TOOLS

Mills EST. 1919

MILLS MASTERCLASS CABLE CUTTERS FOR 10.5MM O.D.
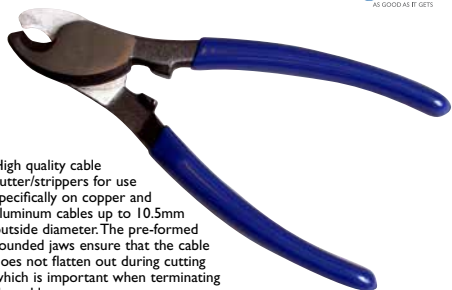
High quality cable cutter/strippers for use specifically on copper and aluminum cables up to 10.5mm outside diameter. The pre-formed rounded jaws ensure that the cable does not flatten out during cutting which is important when terminating the cable.

Overall length 160mm.

PART NO.	DESCRIPTION
E00-1113	MILLS MASTERCLASS 10.5MM CABLE CUTTERS

CONTRACTOR CABLE CUTTER FOR 20MM DIAMETER

A general purpose cable cutter for copper cable up to a diameter of 20mm with PVC blue dipped handles. The cutter has an overall length of 250mm (10").

Formerly E00-3021

Ref: 126473

PART NO.	DESCRIPTION
E22-6376	CONTRACTOR CABLE CUTTER 20MM

MILLS COAXIAL CABLE CUTTER
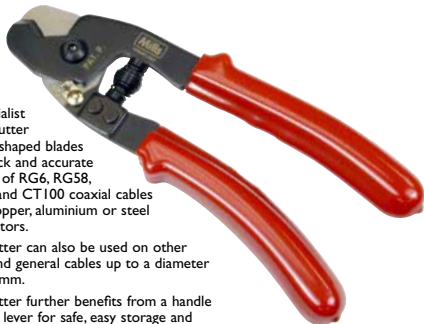
A specialist cable cutter with v-shaped blades for quick and accurate cutting of RG6, RG58, RG59 and CT100 coaxial cables with copper, aluminium or steel conductors.

The cutter can also be used on other coax and general cables up to a diameter of 10.5mm.

The cutter further benefits from a handle locking lever for safe, easy storage and comfort grip handles.

Overall length: 165mm.

PART NO.	DESCRIPTION
E00-6176	MILLS COAXIAL CABLE CUTTER

MILLS MASTERCLASS CABLE CUTTER 2B (450MM)

High leverage parrot beaked cable cutter suitable for cutting non-armoured and non ferrous cables of up to a maximum 25mm diameter.

Overall length 450mm.

PART NO.	DESCRIPTION
E66-6891	MILLS MASTERCLASS CABLE CUTTER 2B - 450MM

MILLS MASTERCLASS RATCHET CABLE CUTTER 32MM CAPACITY

Ratchet action cable cutter with precision ground cutting edges. Ideal for high leverage cutting, without deformation, of copper and aluminium multi stranded cables and up to 32mm diameter telco cable. Features comfort grip handles for repetitive applications

Overall length: 265mm.

PART NO.	DESCRIPTION
E66-1259	MILLS MASTERCLASS RATCHET CABLE CUTTER 32MM CAPACITY

MILLS RATCHET CABLE CUTTER 53MM CAPACITY

Ratchet action cable cutters, with precision ground cutting edges, for high leverage cutting, without deformation of multi stranded telecom cables up to 2700 pairs.

Cuts up to 600MCM copper & 750MCM aluminium power cable cable.

Features:
- Comfort grip handles for repetitive applications.
- Handle locking mechanism for improved safety and easier storage.
- Quick release blade mechanism for speedy blade reset.
- Single speed ratchet for low operational force.
- Heavy duty durable blade for extended product life.
- Maximum capacity 2 1/8" or 53mm
- Overall length 280mm

PART NO.	DESCRIPTION
E66-3742	MILLS RATCHET CABLE CUTTER 53MM CAPACITY

GENERAL HAND TOOLS

A) MILLS STRIPPER CABLE SHEATH 7 (4-16MM)

Cable Sheath Stripper for making both longitudinal and circumferential cuts in cables 4-16mm outside diameter.

B) STRIPPER CABLE SHEATH 8 (8-28MM)

Cable Sheath Stripper for making both longitudinal and circumferential cuts in cables 8-28mm outside diameter.

C) STRIPPER CABLE SHEATH 9 (29-35MM)

Cable Sheath Stripper for making both longitudinal and circumferential cuts. For stripping cable diameters 29-35mm.

PART NO.	DESCRIPTION
S83-0914	A) MILLS STRIPPER CABLE SHEATH 7 (4-16MM)
S83-0912	B) STRIPPER CABLE SHEATH 8 (8-28MM)
S83-0915	C) STRIPPER CABLE SHEATH 9 (29-35MM)

MILLS CATV COAX STRIPPER

Specialist Coaxial Stripper for RG6/59 and RG7/11 Coaxial Cable. A simple and ergonomically designed coaxial cable stripper with reversible, replaceable cartridge and integral depth stop to ensure consistency of strip length.

The stripper also benefits from an integral hook & loop pad which can be used to safely and efficiently smooth back braid prior to connector crimping.

Overall length 130mm

PART NO.	DESCRIPTION
E00-6177	A) MILLS CATV COAX STRIPPER
E00-6178	B) REPLACEMENT BLADE CARTRIDGE RG6/59/7/11

MILLS COMPACT COAXIAL STRIPPERS

A) This RG6/59 and RG 7/11 compact stripper has pre-set blades to cut the outer jacket and strip the braid/dielectric to a length of 0.25in (6.4mm) in both stripping stations.

B) Mills Stubby Stripper is a coaxial cable stripper specifically designed to end strip RG6/59 Coax Cable in a wall outlet. This tool eliminates the need to run new cable thereby saving time and money.

PART NO.	DESCRIPTION
C00-8209	A) COMPACT COAXIAL STRIPPER
E00-6588	B) MILLS 'STUBBY' COAXIAL STRIPPER
E00-6589	C) REPLACEMENT BLADE CARTRIDGE RG6/RG59

MILLS EASY ACCESS COAXIAL STRIPPER

A compact 2-level CATV Cable Stripper for cable RG6/59 and RG7/11.

- Compact design – only 94mm long
- Braid dielectric strip length 0.25"(6.4mm)
- Pre-set – no adjustment needed for cable preparation
- Fitted with cable stopper
- Braid folding assist (NEW)
- One reversible stripping cassette (replaceable)
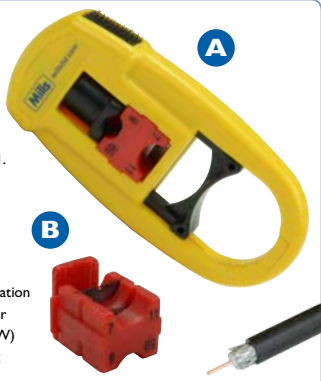
PART NO.	DESCRIPTION
E00-5853	A) MILLS EASY ACCESS COAXIAL STRIPPER
E00-5854	B) REPLACEMENT BLADE CARTRIDGE RG6/59/7/11

A) MILLS UNIVERSAL COAXIAL CABLE STRIPPER

This 3-level cable stripper is the latest in design and coaxial cable stripping technology. This tool strips most coaxial cable between 4.50 and 7.00mm without or just small adjustment to the individual fitted blades. The stripping length is factory set at 8.00mm for the braid and 4.00mm for the dielectric, but can be adjusted to 6.00mm.

B) MILLS COAXIAL STRIPPER 3.5 - 5.0MM

Rotary operation, 3-blade, coaxial cable stripper to remove cable jacket, braid and dielectric in one stripping operation. Suitable for RG coax cable sizes with an outside diameter of 3.5-5.0mm.

PART NO.	DESCRIPTION
E00-5006	A) UNIVERSAL COAXIAL CABLE STRIPPER
E00-3741	B) MILLS COAXIAL CABLE STRIPPER

GENERAL HAND TOOLS

Mills

MILLS MASTERCLASS COAXIAL STRIPPERS

A range of MasterClasss coax strippers all featuring three blades to remove cable jacket, braid and dielectric in one rotary stripping operation. The stripping dimensions between the blades are: 8mm braid & 4mm dielectric.

A) E00-1180: Set-up to strip RG6 cable on one side of the reversible V-block and RG59 cable on the other side.

B) E00-2019: Set-up to strip coaxial cables with an O/D of approx. 10.3 MM such as RG11, RG213 and Thick Ethernet cable.

C) E00-1005: Set-up to strip RG59 cable on one side of the reversible V-block and RG58 and Thin Ethernet cable on the other side. It may also be used for RG62.

PART NO.	DESCRIPTION
E00-1180	A) MASTERCLASS RG6/RG59 COAX STRIPPER
E00-2019	B) MASTERCLASS RG11/RG213 COAX STRIPPER
E00-1005	C) MASTERCLASS RG58/RG59/RG62 COAX STRIPPER

MILLS CYCLOPS UTP/STP STRIPPER

Cyclops data cable stripper for twisted pair (UTP & STP) & multicore (screened & unscreened voice, data, audio, security) & fibre optic cables up to 11mm O.D.

PART NO.	DESCRIPTION
E68-3002	MILLS CYCLOPS DATA CABLE STRIPPER

MILLS F-CONNECTOR INSERTION & FLARING TOOL

For insertion of 59, 6, 7, & 11 Series "F" connectors. Designed for effortlessly spreading COAX cable jackets, which allows easy insertion of F connectors. This flaring tool is ideal for use on polyethylene jacketed plenum, tri-shield, and quad-shield RG6 cables. The acetate handled flaring end of the tool is used for RG6 and Quad RG6 cables and insertion, whilst the threaded end of the tool is used for RG6, RG59, and RG11 F connectors.

Handle length 108mm.

PART NO.	DESCRIPTION
C00-5985	MILLS F-CONNECTOR INSERTION & FLARING TOOL

MILLS F-TYPE TORQUE WRENCHES

- Fitted with comfort grip handles
- Factory calibrated to tighten F connectors to max. 30lb.in
- Angled head design
- Long shaft for better access in confined space

A) 9/16 for use with RG7/11 F Connectors.
B) 7/16 for use with RG6/59 F Connectors.

PART NO.	DESCRIPTION
H00-5856	A) 9/16 RG7/11 TORQUE WRENCH
H00-5857	B) 7/16 RG6/59 TORQUE WRENCH

F CONNECTOR TOOL

The F-connector tool combines two tools into one, a 7/16 or 9/16 in. hex socket and 3/8-32 threaded end. The hex socket makes installation and removal of CATV F-connectors easy, incorporating a 7/16AF nut for torqueing applications up to 30lb/in. Overall length 310mm.
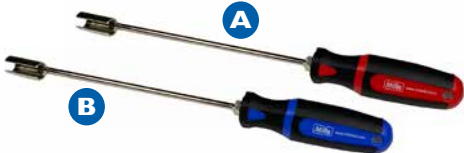
PART NO.	DESCRIPTION
C00-9302	A) 7/16 F CONNECTOR TOOL RG59/6
C00-9304	B) 9/16 F CONNECTOR TOOL RG7/11

F CONNECTOR TOOL SHORT SHAFT

As per F-connector tool (above-right C00-9302, C00-9304) but with short shaft.

Shaft length: 7.5cm. Overall length: 18.5cm.

PART NO.	DESCRIPTION
C00-9269	A) F CONNECTOR TOOL SHORT 7/16 RG6/59
C00-9301	B) F CONNECTOR TOOL SHORT 9/16 RG7/11

SEE THE MILLS WEBSITE FOR THE FULL RANGE OF COPPER CABLE PREP CRIMPERS AND TERM TOOLING

Sales/Technical Support **tel: 020 8833 2626**

MILLS MASTERCLASS RATCHET ACTION BNC CRIMP TOOL

For termination of RG58, 59 & 62 Ethernet cable. High quality crimper with 'Energy Grip' handles for better control and comfort - full cycle ratchet action ensures continuity of crimp.

Bi-material "Comfort Grip" for extra control

PART NO.	DESCRIPTION
E72-5014	BNC RATCHET CRIMP TOOL

MILLS MASTERCLASS BT MODULAR PLUG CRIMP TOOL

Crimp Tool for BT631A & BT431A Telephone Plugs and RJ11/RJ12 Modular Plugs.

The tool frame made from hardened steel and fitted with precision dies for BT Telephone plugs and RJ11/RJ12 modular plugs.

The tool has a spring-loaded crimp mechanism and is fitted with blades for cable cutting and stripping flat multi-conductor cables.

Bi-material "Comfort Grip" for extra control

PART NO.	DESCRIPTION
E72-1018	BT MODULAR PLUG CRIMP TOOL

MILLS PLIER CRIMPERS 8B (SCOTCHLOK™ CRIMPER)

Specialist crimp tool with integral cutter for crimping Scotchlok connectors also known as jelly crimps. The pliers feature a return spring for repetitive applications and induction hardened cutting edges for cutting of conductors Ø 0.4 to 1.1 mm. Length: 155mm.

PART NO.	DESCRIPTION
E65-5463	PLIERS CRIMPERS 8B (SCOTCHLOK™ CRIMPERS)

A) MILLS HOOK & SPUDGER

A simple hook and spudger for separating, identifying and removing single wires. Manufactured from ABS Plastic.
Overall Length: 170mm.

B) MILLS FIBRE PICK AND SPUDGER - PK 20

A simple pick and spudger for separation, identification and removal of single fibres. The fibre pick is 3mm in diameter with a point at one end and a 3mm wide flat at the opposite end, with an overall length of 100mm.
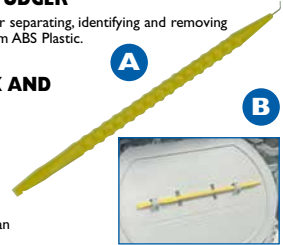
PART NO.	DESCRIPTION
M99-6624	A) MILLS SPUDGER
M99-6625	B) MILLS FIBRE PICK AND SPUDGER - PK 20

MILLS MASTERCLASS UTP, STP STRIPPER/INSERTION TOOL

Low cost stripper for 5 - 6mm diameter UTP & STP cables with integral insertion tool for 110, 88 type connectors.

MILLS MASTERCLASS 110 VERSATILE WIRE INSERTER

Supplied as standard with 110 blade. Optional blade for Krone systems is available separately.

A high quality MasterClass punch down tool with high and low impact adjuster and lockable storage in handle for replacement blade. Bayonet style mount allows the blades to be easily and quickly replaced.

PART NO.	DESCRIPTION
C00-3011	A) MILLS UTP, STP STRIPPER/INSERTION TOOL
C70-6865	B) 110 PUNCH DOWN TOOL
C70-6894	C) SPARE 110 BLADE FOR ABOVE
C70-6896	D) KRONE BLADE FOR ABOVE

KRONE LSA-PLUS WIRE INSERTION TOOL

Tools for LSA-PLUS® IDC termination. Inserts and crops wires simultaneously. Complete with extraction tool and stop clip. It also has a sensor to ensure the conductor is fully inserted into the contact before allowing excess wire to be cut off.

FUSION KRONE STYLE WIRE INSERTER

Cost effective 2A tool for IDC termination.

KRONE OUTRIGGER

Outrigger wiring aid for use with Krone systems.

PART NO.	DESCRIPTION
C00-8998	A) GENUINE KRONE LSA-PLUS SENSOR WIRE INSERTER
T70-3799	B) FUSION KRONE STYLE WIRE INSERTER
C00-3522	C) KRONE™ OUTRIGGER 25A

GENERAL HAND TOOLS

INSERTION AND EXTRACTION TOOLS

A) Krone/Pouyet™ Insertion Tool. Combination Pouyet & Krone Wire Inserter. Also suitable for ECI IDCs.

B) Mills Pouyet™ style wire inserter. This IDC termination tool is equipped with a disconnect hook, and can be used for the termination of cables and jumpers. It is compatible with a variety of 3M Series block styles.

C) Mills Combined Krone/Pouyet™ Style Wire Inserter. This IDC termination tool is equipped with a disconnect hook, and can be used for the termination of cables and jumpers. It is adjustable for use on Krone blocks or for use with a variety of 3M series block styles.

D) Cosmic Quick Clip Insertion Tool. This multipurpose wire insertion tool performs several vital functions.

The wire cutter is designed to cut 22 & 24 gauge wire, the hook at the back of the tool is used for both jumper and back-tap removal, and the bit inserts 22 or 24 gauge (0.5mm or 0.6mm) wire into the terminal block. Ideal for wire insertion in 3-beam (112 type blocks) and 4 beam (78 type blocks) terminals in Cosmic and Cosmic II distributing frames.

E) Wiring Mini Tool For R&M VS Compact Modules. For wiring all VS Compact modules. The wires are contacted and cut to length in one single and efficient step.

Dimensions: 88.6mm x 13.0mm x 28.1mm.

F) Inserter Wire 9A (Bix Style). A single forward movement will seat the wire into the BIX IDC clip and cut off the excess wire. The tool will terminate 22, 24 & 26-AWG plastic insulated solid copper conductors.

G) Inserter Wire 8A. Insertion tool used on Jacks Test Series 44-49.

H) SID™ Style Wire inserter. Wire insertion tool for use with SID connection modules.

I) SID™ Outrigger. Outrigger wiring aid for use with SID systems.

J) QDF Style Tool. IDC Tool provides fast and reliable installation of wires on QDF Blocks. The QDF impact installation tool is spring loaded and automatically generates the force required for correct wire installation.

It features a built-in wire removal hook for removing terminated wires.

A magazine removal tool for releasing QDF-E magazine from its mounting bracket is also incorporated.

K) Inserter Wire 11A (3M style). Single point insertion tool suitable for connecting wires to 3M's MS2 Modular Cross Connexion System connectors, when wire cut-off is not required.

L) Wire Inserter for Huawei Strips. Single point insertion tool suitable for connecting wires to 3M's MS2 Modular Cross Connexion System connectors, when wire cut-off is not required.

M) Extractor 57. Used to remove Protector Module 1a and 2a from Jack Test 44-49.

N) Extractor 58. Used on Porta Jacks Test Series 44-49.

PART NO.	DESCRIPTION
C00-1084	A) KRONE/POUYET™ INSERTION TOOL
C00-6890	B) MILLS POUYET™ STYLE WIRE INSERTER
C00-6822	C) MILLS COMBINED KRONE/POUYET™ STYLE WIRE INSERTER
C00-4351	D) COSMIC QUICK CLIP INSERTION TOOL
C00-4464	E) WIRING MINI TOOL FOR R&M VS COMPACT MODULES
C00-9011	F) INSERTER WIRE 9A (BIX STYLE)
C00-7540	G) INSERTER WIRE 8A

PART NO.	DESCRIPTION
S00-5979	H) SID™ STYLE WIRE INSERTER
S83-2674	I) SID™ OUTRIGGER
E00-6721	J) QDF STYLE TOOL
S83-0839	K) INSERTER WIRE 11A (3M STYLE)
C00-4982	L) WIRE INSERTER FOR HUAWEI STRIPS
S83-4246	M) EXTRACTOR 57
C00-7429	N) EXTRACTOR 58

CABLE TIE TENSIONER 5A (PLASTIC) 2.4 - 4.6

Lightweight and durable cable tie gun, squeeze trigger to tension, twist to cut. For nylon cable ties 2.5 - 4.8 mm. Ref: 126820.

PART NO.	DESCRIPTION
S83-0945	TENSIONER 5A (PLASTIC) 2.4 - 4.6

CABLE TIE GUNS

Cable tie gun with automatic cut-off in one simple pull of a trigger. Designed for use nylon cable ties with widths from 2.2 to 4.8mm and a thickness up to 1.6mm.

PART NO.	DESCRIPTION
S57-3005	PROFESSIONAL CABLE TIE GUN

TENSIONER CABLE 8A FOR TENSIONING OF STRAPS CABLE FIXING 10A

A heavy duty cable tie gun for tensioning Strap Cable Fixing 10A (Mills P/N S83-0896 Ref 072422), as used with Duct Repair Kits.

Designed for sustained heavy duty use. The red lacquered stainless steel body offers a long and reliable life plus complete corrosion protection. The binding tension can be adjusted using the tension adjuster for perfect repeatable results.

Automatic cut off feature - pull the trigger and the tie is automatically tensioned and cut. For use with plastic cable ties 4.7mm - 13mm wide.

PART NO.	DESCRIPTION
S83-0947	TENSIONER CABLE 8A FOR TENSIONING OF STRAPS CABLE FIXING 10A

MILLS CABLE TIE REMOVAL TOOL

A simple tool for quick, easy and safe removal of most sizes of cable ties.

The tool features a spring-loaded handle with sharp cutting blade to reduce hand-fatigue during prolonged operation.

It also incorporate a safety lock for easy storage.
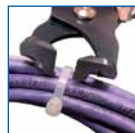
PART NO.	DESCRIPTION
S57-4005	MILLS CABLE TIE REMOVAL TOOL

STAINLESS STEEL CABLE TIE (TRIGGER STYLE)

For tightening and cutting stainless steel cable ties with widths between 4.5 and 7.9mm, and up to 0.3mm thick. The gun cuts stainless steel cable ties once tensioning is complete.

PART NO.	DESCRIPTION
S57-4257	STAINLESS STEEL CABLE TIE (TRIGGER STYLE)

TENSIONING TOOL H/DUTY LEVER ARM STYLE

This tensioning tool is designed for installing heavy duty stainless steel cable ties from 4.5 - 12.3mm strap width. The tensioning strength can be adjusted while pulling the trigger.

PART NO.	DESCRIPTION
S00-5632	TENSIONING TOOL H/DUTY LEVER ARM STYLE

GENERAL
HAND TOOLS

A) HEAVY DUTY RIVET GUN

Heavy-Duty Riveter is suitable for single-handed application and provides a rigid permanent fixing. Made from quality steel and fitted with comfortable handles. Supplied with four interchangeable nozzles for most popular rivet sizes. Rivet Type Accepted: Aluminium, Steel, Stainless Steel.
Rivet Diameter: 2.4, 3.2, 4.0, 4.8mm.

B) POP RIVETING TOOL

A professional all steel construction riveter with comfortable vinyl grip. Spring loaded handle for easy rivet loading and ejection. Extended nose for hard-to-get at places and will lock when not in use. Complete with four nosepieces to take 3/32, 1/8, 5/32 and 3/16 rivets.
Not suitable for stainless steel rivets.

C) POP RIVETING TOOL WITH SWIVEL HEAD

Rivet Tool with a head that rotates through 360° for riveting at any angle. It has an all-steel construction with a non-slip, vinyl grip. The rivet tool has a spring-loaded handle for easy rivet loading and ejection. It comes with 4 nosepieces for 4 different sizes of rivet. Not suitable for stainless steel rivets. Noses supplied: 3/32, 1/8, 5/32 and 3/16in.

D) BAHCO 2681 SWIVEL HEAD RIVET TOOL

Bahco 2681 Riveter is a swivel head rivet tool, the head swivels 360 to rivet at any angle. Will fasten metal, leather, canvas, and vinyl using 2.4, 3.2, 4.0 or 4.8mm rivets. With 4 interchangeable nosepieces which can be stored in the handle. Length: 285mm. Weight: 740g.

E) ALUMINIUM RIVETS

Manufactured from quality aluminium with a steel pulling mandrel, these rivets are suitable for use with most hand riveters and are RoHS compliant for use in electrical appliances.

PART NO.	DESCRIPTION
R99-1988	A) HEAVY DUTY RIVET GUN
R99-1983	B) POP RIVETING TOOL
R99-1984	C) POP RIVETING TOOL WITH SWIVEL HEAD
R99-7273	D) BAHCO 2681 SWIVEL HEAD RIVET TOOL
R99-4542	E) ALUMINIUM RIVETS LONG 4MM X 13MM (PKT 50)
R99-1986	E) ALUMINIUM RIVETS MEDIUM 5MM X 7MM (PKT 15)
R99-1987	E) ALUMINIUM RIVETS MEDIUM 4MM X 7MM (PKT 20)

HEAVY-DUTY SIDE LEVER GREASE GUN

Heavy-duty side lever grease gun develops up to 10,000 psi - 690 bar of pressure. The gun features an aluminium diecast head with an easy locking plunger system and ergonomic pump handle grip.

A variable lever stroke feature is built-in for use in confined areas and the four jaw hydraulic coupler ensures that the grease goes exactly where it is needed at the press of the lever.

With a 500g (16oz) capacity, the gun can be bulk filled by its suction action but will also accept 400g grease cartridges.

PART NO.	DESCRIPTION
R99-3510	HEAVY-DUTY SIDE LEVER GREASE GUN

GRABBER/LITTER PICKER

A flexible and versatile easy grip litter picker, popular with local authorities, community groups, facilities management and the janitorial sector as an indoor and outdoor application grabber/reacher for multi-purpose cleansing duties.

Length Overall: 940mm

PART NO.	DESCRIPTION
S00-1928	GRABBER/LITTER PICKER

GENERAL HAND TOOLS

PPE & Safety Equipment

Mills
EST. 1919

DISPOSABLE GLOVES

A) Vinyl Gloves Powder Free Clear Large - Box of 100

- Powder free vinyl disposable gloves
- 100% synthetic PVC.
- Contains no Latex / Protein.
- Ambidextrous.
- Easy to pull on beaded cuff.

B) Powder-Free Nitrile Gloves Extra Large Box of 100

From food handling to engineering, these versatile gloves are sure to suit the task at hand.

PART NO.	DESCRIPTION
S26-1738	A) VINYL GLOVES POWDER FREE CLEAR LARGE - BOX OF 100
S26-1743	B) POWDER-FREE NITRILE GLOVES - BOX OF 100

LATEX GRIP GLOVES

A) Latex Grip Gloves

Latex palm ensures the user has a firm all round grip. Soft knitted fabric with uncoated back allows the hand to breathe whilst the textured grip and ribbed knit wrist improves dexterity and comfort for the user.

Ideal for cable handling and general building and construction work.

Size 10.

B) Reflex Gloves

Cotton/Polyamide palm coated gloves with flexible latex coating. Excellent grip in both wet and dry conditions for safe and secure handling.

PART NO.	DESCRIPTION
S26-0299	A) MILLS LATEX GRIP GLOVES
S26-3435	B) REFLEX GLOVES

PVC GLOVES & GAUNTLETS

A) Waterproof PVC Gloves

Standard weight waterproof red PVC fully coated glove with knitted wrist. EN388 CAT 2. Size 10.

B) Red PVC Gauntlets

Standard weight general purpose red PVC fully coated 14" waterproof gauntlet.

Ideal for use in wet and oily conditions

EN388 CAT 2 . Size 10.

PART NO.	DESCRIPTION
S26-1080	A) WATERPROOF PVC GLOVES
S14-3439	B) RED PVC GAUNTLETS

A) ANTISLIP GLOVES

BS EN388 - Spun nylon glove with interlocking criss-cross coating. Ideal for handling cartons, glass and other items with a sheer finish. Size 10.

B) MATRIX® FINGERLESS GLOVES

Seamless knitted nylon liner with polyurethane palm coating.

C) FINGERLESS KEVLAR PVC DOT GLOVES

With a PVC dot palm, these 10 gauge Kevlar PVC Dot Gloves boast both excellent grip and great cut resistance.

Features: Kevlar fibre 2 ply. PVC dot for grip. Elasticated knit wrist. Washable.

PART NO.	DESCRIPTION
S14-1415	A) ANTI-SLIP HANDLING GLOVES
S26-6944	B) MATRIX PU FINGERLESS GLOVES
S26-6945	C) FINGERLESS KEVLAR PVC DOT GLOVES

WATER REPELLENT GLOVES

Featuring fully coated dual dipped technology. The first layer of coating provides water resistance, and the second gives this glove excellent grip. In addition to this, the PG201 remains comfortable thanks to its seamless knitted liner, offering superior performance in demanding conditions.

Liner: Nylon/Spandex
Coating: Latex/Latex Micro Foam
Colour: Orange/Black

- Technical foam coating allows for wearer comfort
- Anatomical hand shape
- Seamless knitted liner for added comfort
- First coating provides water repellency, second coating provides extreme grip
- Highly flexible coating allows comfortable hand movement
- Fully coated thumb for extra protection
- Excellent grip in wet and dry conditions

PART NO.	DESCRIPTION
S26-4528	WATER REPELLENT GLOVES - SIZE 8
S26-4529	WATER REPELLENT GLOVES - SIZE 9
S26-4548	WATER REPELLENT GLOVES - SIZE 10
S26-4551	WATER REPELLENT GLOVES - SIZE 11

THERMOLITE GLOVES

FA warm glove with high dexterity and great grip using Thermolite® fibre technology and providing protection against the cold from a 15 gauge material, this glove also benefits from great abrasion and puncture resistance.

Features:

Thermolite® liner provides superior warmth in cold conditions

Knuckle coated design offers extra protection

Hard-wearing coating provides protection from abrasion and punctures

High levels of dexterity

Keeps hands warm and provides excellent grip and dexterity across a range of challenging applications

PART NO.	DESCRIPTION
S26-4553	THERMOLITE GLOVES - SIZE 8
S26-4556	THERMOLITE GLOVES - SIZE 9
S26-4557	THERMOLITE GLOVES - SIZE 10
S26-4586	THERMOLITE GLOVES - SIZE 11

LATEX THERMO-STAR FULLY DIPPED GLOVE SATURN HI-VIS ORANGE AND YELLOW

With a 7G Brushed polyester heavyweight knitted liner with Latex coated to palm area and double dip to fingers for added protection.

- Vented back
- Highly visible fleece liner.
- Ideal for winter conditions, refrigeration and coldstore.
- Thick latex coating for durability and grip.
- EN388: 2016

PART NO.	DESCRIPTION
S26-0190	A) LATEX THERMO-STAR FULLY DIPPED GLOVE SATURN HI-VIS ORANGE - SIZE 9
S26-0191	A) LATEX THERMO-STAR FULLY DIPPED GLOVE SATURN HI-VIS ORANGE - SIZE 10
S26-0192	B) LATEX THERMO-STAR FULLY DIPPED GLOVE SATURN HI-VIS YELLOW - SIZE 9
S26-0193	B) LATEX THERMO-STAR FULLY DIPPED GLOVE SATURN HI-VIS YELLOW - SIZE 10

CUT RESISTANT GLOVES

A) The Deflector 5X glove provides fantastic Cut 5 protection, making it the perfect choice for a huge range of handling tasks including general handling, transportation, shipping and manufacturing.

- Conforms to EN 388 levels 4-5-4-3
- Light and flexible
- Enhanced cut protection
- Knit Wrist
- Fabric: Polyurethane palm coat
- Colour: Grey
- ISO Cut D

B) Durable cut resistant glove with dual layer nitrile. High performance anti-cut liner with a primary liquid proof layer, the secondary layer provides excellent grip in oily and wet conditions.

C) A multi-fibre high performance cut resistant glove. Premium protection against cuts and abrasions in tough environments. High grip and heat resistance makes this glove an ideal solution in demanding environments. Size 9.

PART NO.	DESCRIPTION
S26-7545	A) DEFLECTOR 5X GLOVES WITH CUT 5 PROTECTION
S26-7546	B) GLOVE ISO CUT E & OIL RESISTANT
S26-7547	C) GLOVE ISO CUT E RESISTANT

PPE & SAFETY EQUIPMENT

MILLS HIDE RIGGERS GLOVES

Heavyweight cotton and heavy duty split leather Canadian Plus Rigger Gloves – perfect for dry handling and general maintenance tasks. Size 10.

PART NO.	DESCRIPTION
S26-1078	MILLS HIDE RIGGERS GLOVES

RIGGER GLOVES

6" Cuff Leather Gauntlet - Soft, high quality nappa leather palm and stiff 150mm chrome leather cuff offers a superb feel and good durability for precision welding. 360mm overall length. EN420 (Dexterity) Level 5. Size 10.

PART NO.	DESCRIPTION
S14-3440	SIX INCH CUFF RIGGER GLOVES

CHAINSAW SAFETY GLOVES - SIZE 10

The ALM Manufacturing CH015 Chainsaw Safety Gloves are specially constructed for protective use with all electric and petrol chainsaws. They are made from high quality leather with protection built in to the left hand glove.

Classification: Class 0, 16m/s.

Size: 10 (Large).

PART NO.	DESCRIPTION
S26-0200	CHAINSAW SAFETY GLOVES - SIZE 10

GLOVEZILLA ANTI-VIBRATION GLOVE BLACK

High performance anti-vibration gloves made from 40% polyester and 60% Latex. EN10819: Medium Frequency Spectrum "M" - 0.865 Pass.

High Frequency Spectrum "H" - 0.598 Pass.

Specifications:
- EN388: 2016
- Level 4 - Abrasion
- Level X - Cut Resistance
- Level 4 - Tear Resistance
- Level 2 - Puncture
- Level B - ISO 13997 Cut Resistance

PART NO.	DESCRIPTION
S26-2044	GLOVEZILLA ANTI-VIBRATION GLOVE BLACK - SIZE L
S26-2045	GLOVEZILLA ANTI-VIBRATION GLOVE BLACK - SIZE XL

ERGODYNE FULL FINGER ANTI VIBRATION GLOVE BLACK/GREY

Manufactured using a technical hex stretch knit construction and a full length AVC palm, minimising vibration and keeping you safe at work.

Specifications:
- ANSI S2.73-2014/ISO 10819:2013 - certified vibration protection
- Full-length AVC palm padding reduces vibration and palm impact
- Gripping palm provides secure hold on tools and equipment
- Neoprene knuckle pad
- Reinforced fingertips and thumb saddle
- Low-profile molded hook & loop closure with ID space to write wearer's name
- EN 388: 2121 X
- Patent pending

PART NO.	DESCRIPTION
S26-2040	FULL FINGER ANTI VIBRATION GLOVE BLACK/GREY - SIZE M
S26-2041	FULL FINGER ANTI VIBRATION GLOVE BLACK/GREY - SIZE L
S26-2042	FULL FINGER ANTI VIBRATION GLOVE BLACK/GREY - SIZE XL
S26-2043	FULL FINGER ANTI VIBRATION GLOVE BLACK/GREY - SIZE XXL

ERGODYNE IMPACT REDUCING GLOVE YELLOW

Pair of impact reducing gloves with a hi-vis breathable mesh construction and padded neoprene cuff with reflective binding.

Features:
- ProFlex® 925F(x) Dorsal Impact-Reducing Gloves
- Full TPR armor + technical foam for max protection
- Hi-Vis AX Suede + non-slip dot gripping palm
- Armortex- reinforced thumb saddle and index finger
- Hi-vis breathable mesh construction
- Padded neoprene cuff with reflective binding

PART NO.	DESCRIPTION
S26-2046	ERGODYNE IMPACT REDUCING GLOVE YELLOW - SIZE M
S26-2047	ERGODYNE IMPACT REDUCING GLOVE YELLOW - SIZE L
S26-2048	ERGODYNE IMPACT REDUCING GLOVE YELLOW - SIZE XL

A) ULTRANEO 341 CHEMICAL HANDLING GLOVE

Neoprene and natural rubber textile supported chemical gauntlet suitable for long-term wear; added comfort of textile support. Applications to include-automotive/mechanical industry, battery, pump, and compressor manufacturing, chemical treatment of metals & handling and transporting chemicals.

Standards:
- EN 388:2016 Protective gloves against mechanical risks 2121X
- EN ISO 374-1:2016 Type A Protective gloves against dangerous chemicals and micro-organisms. Terminology and performance requirements for chemical risks, ACLMNS
- EN ISO 374-5:2016 Protective gloves against dangerous chemicals and micro-organisms. Terminology and performance requirements for micro-organisms risks
- EN 407 Protective gloves against thermal risks X1XXXX

B) GLOVES - LV LOW VOLTAGE 1000V INSULATED EN60903 CLASS 0

Pair of fully insulated gloves each tested and stamped to 5000v with a working voltage of 1000v. The gloves are also marked in accordance with EN60903:2003.

Length: 355mm.

Colour: Red.

Available in 5 sizes 7-12.

C) HIGH VOLTAGE INSULATED GLOVES CLASS 1

Pair of fully insulated gloves, each test stamped to 10000V with a working voltage of 1000V. The gloves are tested and marked in accordance with EN60903:2003.

Length: 350mm.

Colour: Black.

ARC Rating: 50 cal/cm2 ATPV.

Available in 5 sizes 7-11.

D) UNDERGLOVES FOR INSULATING GLOVES

Washable under gloves improve the comfort of use and hygiene of insulating gloves, offering, protection from the cold in winter, good dexterity, protection from allergies to latex.

Available in sizes 7/8 and 9/10.

E) LEATHER OVERGLOVES

Features:
- Material: Goat Skin main glove, cowhide gauntlet cuff
- Length: 12" – 12.5"
- Leather Thickness (mm): Goat Skin: 0.7-0.9 / Cowhide: 1.2-1.7

Standards:
- Meets EN420
- Meets Safety Standards: EN 388, 2121X
- CE marked

Available in sizes 8-10.

F) PROTECTIVE GLOVE STORAGE POUCH

Protective glove storage bag for the safe keeping of 1000V insulated gloves.

Dimensions: 410mm x 200mm x 70mm.

PART NO.	DESCRIPTION
S26-3140	A) ULTRANEO 341 CHEMICAL HANDLING GLOVE - SIZE 8 (MEDIUM)
S26-3141	A) ULTRANEO 341 CHEMICAL HANDLING GLOVE - SIZE 9 (LARGE)
S26-3142	A) ULTRANEO 341 CHEMICAL HANDLING GLOVE - SIZE 10 (XL)
S26-3143	A) ULTRANEO 341 CHEMICAL HANDLING GLOVE - SIZE 11 (XXL)
H87-7366/7	B) GLOVES - LV LOW VOLTAGE 1000V INSULATED EN60903 CLASS 0 - SIZE 7
H87-7366/8	B) GLOVES - LV LOW VOLTAGE 1000V INSULATED EN60903 CLASS 0 - SIZE 8
H87-7366/9	B) GLOVES - LV LOW VOLTAGE 1000V INSULATED EN60903 CLASS 0 - SIZE 9
H87-7366/10	B) GLOVES - LV LOW VOLTAGE 1000V INSULATED EN60903 CLASS 0 - SIZE 10
H87-7366/11	B) GLOVES - LV LOW VOLTAGE 1000V INSULATED EN60903 CLASS 0 - SIZE 11
H87-7366/12	B) GLOVES - LV LOW VOLTAGE 1000V INSULATED EN60903 CLASS 0 - SIZE 12
H87-7621/7	C) HIGH VOLTAGE INSULATED GLOVES CLASS 1 SIZE 7
H87-7621/8	C) HIGH VOLTAGE INSULATED GLOVES CLASS 1 SIZE 8
H87-7621/9	C) HIGH VOLTAGE INSULATED GLOVES CLASS 1 SIZE 9
H87-7621/10	C) HIGH VOLTAGE INSULATED GLOVES CLASS 1 SIZE 10
H87-7621/11	C) HIGH VOLTAGE INSULATED GLOVES CLASS 1 SIZE 11
H87-1996	D) UNDERGLOVES FOR INSULATING GLOVES SMALL / MEDIUM
H87-1995	D) UNDERGLOVES FOR INSULATING GLOVES LARGE
H87-7414/8	E) LEATHER OVERGLOVES SIZE 8
H87-7414/9	E) LEATHER OVERGLOVES SIZE 9
H87-7414/10	E) LEATHER OVERGLOVES SIZE 10
H87-7414/11	E) LEATHER OVERGLOVES SIZE 11
H87-7357	F) PROTECTIVE GLOVE STORAGE POUCH

PPE & SAFETY EQUIPMENT

Mills EST. 1919

PERSONAL PROTECTION KIT

Personal Protection Equipment (PPE) Kit supplied with all the essential personal protection products in S26-3769 Drawstring Bag and includes:

S26-1066 Ear Defenders
S26-0299 Latex Grip Work Gloves
S26-1335 Safety Goggles
S26-7854/PK5 FFP2 Respirator Pack of 5
S26-1332 Yellow Safety Helmet
Item replaces the discontinued S00-3069

PART NO.	DESCRIPTION
S00-5600	PERSONAL PROTECTION KIT - YELLOW HELMET
S00-5601	PERSONAL PROTECTION KIT - BLUE HELMET
S00-5602	PERSONAL PROTECTION KIT - RED HELMET
S00-5603	PERSONAL PROTECTION KIT - ORANGE HELMET
S00-5605	PERSONAL PROTECTION KIT - BLACK HELMET
S00-5606	PERSONAL PROTECTION KIT - WHITE HELMET

Helmet colour options avaialable

A) SHORT PEAK SAFETY HELMET

General purpose safety helmet with a 6 point Terylene cradle and Brushed Nylon sweatband and featuring a reduced peak for enhanced visibility when looking upward. Complies with EN 397:2012+A1:2012 – Supplied in white, other colours available on reques.

B-G) SAFETY HELMET

Safety helmet designed and manufactured to ensure optimum impact protection from objects including stones, roofing tiles and bricks Complies with EN 397:2012+A1:2012 and EN 50365:2002. High density polyethylene shell. Adjustable polyethylene 6-point inner harness. Sweatband to the front of the inner harness. Working temperatures between -10°C to 50°C. Protection against electrical discharges up to 100.

H) CHIN STRAPS FOR SAFETY HELMETS

Elastic chinstrap with chin cup releases automatically with forces of over 150 Newtons.
For use with:
S26-1065 White Safety Helmet
S26-1332 Yellow Safety Helmet
S26-1333 Blue Safety Helmet
S26-1334 Red Safety Helmet
S26-6931 Black Safety Helmet
S26-6932 Orange Safety Helmet
S26-3674 White Short Peak Helmet

I) HELMET MOUNTED EAR DEFENDERS 30DB

Helmet Mounted Ear Defenders designed to provide maximum protection against harmful noises, with soft padded cups, these defenders are perfect for all general use.
Offers protection level of 30dB SNR
Adjustable and easy to rotate
Padded cups
Easy to attach and detach
Helmet not included
Certified to PPE Regulation (EU) 2016/425
CAT III
Approved to EN 352-3:2002
Suitable for use with helmets / hardhats: S26-1065, S26-1332, S26-1333, S26-1334, S26-6931, S26-6932.

J) BUMP HATS

Baseball bump Cap designed as a safeguard against accidental bumping or scraping of the head. Conforms to EN812.

PART NO.	DESCRIPTION
S26-3674	A) SHORT PEAK SAFETY HELMET
S26-1333	B) BLUE SAFETY HELMET
S26-1334	C) RED SAFETY HELMET
S26-1332	D) YELLOW SAFETY HELMET
S26-6932	E) ORANGE SAFETY HELMET
S26-6931	F) BLACK SAFETY HELMET
S26-1065	G) WHITE SAFETY HELMET
S26-3573	H) CHIN STRAPS FOR SAFETY HELMETS
S26-4600	I) HELMET MOUNTED EAR DEFENDERS 30DB
S26-7972	J) BUMP HATS

A-D) RIDGEGEAR RG HELMET

Compliant with EN 397, the new RidgeGear helmet has been designed in partnership with LAS helmets to create a modern, ventilated and comfortable helmet you will want to wear all day. Manufactured from high density ABS with 8 ventilation holes and adjuster wheel for the regulation in three dimensions.

In addition the helmet features a dinner pad which is completely removable and washable by hand or in the washing machine at 30°C with neutro soap and an anti-skid strap made of black nylon complete with divider for optimal adjustment of the fit.

Accredited to: EN 397:2012 + A1:2012

Weight: 340g. Size: 54-61cm

Available in colours: Red, Black, White and Yellow.

PART NO.	DESCRIPTION
S83-1011	A) RIDGEGEAR RG HELMET WHITE
S83-1012	B) RIDGEGEAR RG HELMET YELLOW
S83-1013	C) RIDGEGEAR RG HELMET RED
S83-1014	D) RIDGEGEAR RG HELMET BLACK
S83-1015	E) CLEAR VISOR FOR RIDGEGEAR HELMET EN166
S83-1016	F) SMOKE VISOR FOR RIDGEGEAR HELMET EN166

E) Clear Visor for RidgeGear Helmet EN166
F) Smoke Visor for RidgeGear Helmet EN166

Helmet visor for eye protection to be used with the RidgeGear RG helmets.

HEIGHTEC MH02O DUON-AIR VENTED HELMET

Vented height safety helmet features unique chinstrap buckle with variable fastening power allowing wearers to be fully compliant in complex environments containing different, changing hazards

The DUON is the only helmet that has full compliance with two European standards, EN 397 and EN 12492, having a special chin strap buckle with a variable fastening power and variable venting.

Fully adjustable and available in colours: Orange, Red, Black, Blue, White, Green and Yellow

PART NO.	DESCRIPTION
S83-1098	A) HEIGHTEC MH02O DUON-AIR VENTED HELMET ORANGE
S83-1099	B) HEIGHTEC MH02W DUON-AIR VENTED HELMET WHITE
S83-1100	C) HEIGHTEC MH02G DUON-AIR VENTED HELMET GREEN
S83-1101	D) HEIGHTEC MH02R DUON-AIR VENTED HELMET RED
S83-1102	E) HEIGHTEC MH02B DUON-AIR VENTED HELMET BLACK
S83-1103	F) HEIGHTEC MH02BL DUON-AIR VENTED HELMET BLUE
S83-1104	G) HEIGHTEC MH02Y DUON-AIR VENTED HELMET YELLOW

CHAINSAW SAFETY HELMET

The ALM Manufacturing CH011 Chainsaw Safety Helmet comes with integral ear defenders and steel mesh face shield (guard). It can be worn for use with all electric, petrol and battery-powered chainsaws.

Exceeds the following safety standards:
Helmet: EN397-1995, ANSI Z89.1.1997
Visor: EN1731F, ANSI Z87.1, EN166 3B
Ear Defenders: EP167, EN352-3-1997, ANSI S3.19.

PART NO.	DESCRIPTION
S26-0201	CHAINSAW SAFETY HELMET

SUREFIT THERMAL SAFETY HELMET LINER

The SureFit™ Thermal Helmet Liner prevents workers from wearing incompatible and dangerous alternatives such as hoodies underneath their helmets in the winter. It provides all day comfort and warmth.

Thermal insulation: The SureFit™ Thermal Helmet Liner provides the wearer with warmth and protection from cold environments. The deep edges are designed to cover the entire ear.

Comfort: The stretchy material provides a nice tight fit for minimal interference and maximum comfort and warmth.

Convenient & Hygienic: The SureFit™ Thermal Helmet Liner is lightweight for all day comfort and is also machine washable at 30°C for hygiene purposes.

Size: Medium / Large
Weight: 40g

PART NO.	DESCRIPTION
S26-0137	SUREFIT THERMAL SAFETY HELMET LINER MEDIUM / LARGE
S26-0138	SUREFIT THERMAL SAFETY HELMET LINER LARGE / XL

EVO3 SAFETY HELMET
WITH ONETOUCH SLIP RATCHET WHITE

EVO® VISTAlens® is a next generation feature-rich safety helmet based on the proven Evolution® head protection technology. Incorporating a fully retractable optical class 1 integrated overspec. The eyewear is easy to deploy, adjust and maintain ensuring protection is on hand whenever it is required. The helmet is white with a smoked visor.

PART NO.	DESCRIPTION
S26-1030	EVO3 SAFETY HELMET WITH ONETOUCH SLIP RATCHET WHITE

EVOLITE SKYWORKER
WORKING AT HEIGHT HELMET

The EVOLite® Skyworker™ helmet has a suspension system and shell structure that has been designed to be used for telecoms (pole helmet), solar installation, industrial, mountaineering and rescue.

Meeting the EN12492 standard. A helmet complying to the mountaineering standard is impact tested with two 5kg strikers. A hemispherical striker is dropped from 2 metres onto the crown of the helmet and a flat striker from 500mm on to the front, rear or side by tilting the headform to 30°.

In all cases, the transmitted force through the neck of the headform must not exceed 10kN. Two penetration tests with a 3kg pointed striker are also performed within a 50mm radius of the helmet's crown without making contact with the headform.

PART NO.	DESCRIPTION
S26-1034	A) EVOLITE SKYWORKER WORKING AT HEIGHT HELMET WHITE
S26-1036	B) EVOLITE SKYWORKER WORKING AT HEIGHT HELMET BLUE
S26-1040	C) EVOLITE SKYWORKER WORKING AT HEIGHT HELMET YELLOW

EVO VISTALENS SAFETY HELMET
WITH INTEGRATED EYEWEAR

Model White / Smoke - EVO® VISTAlens® is a next generation feature-rich safety helmet based on the proven Evolution® head protection technology. Incorporating a fully retractable optical class 1 integrated overspec. The eyewear is easy to deploy, adjust and maintain ensuring protection is on hand whenever it is required.

PART NO.	DESCRIPTION
S26-1031	EVO VISTALENS SAFETY HELMET WITH INTEGRATED EYEWEAR

EVO VISTALENS DUALSWITCH
SAFETY HELMET WITH SILVER CR2 - VENTED

EVO® VISTAlens® DUALSWITCH™ combines the new EVO® VISTA® retractable eyewear helmet technology with the innovative DUALSWITCH™ chinstrap harness system, making it simple to change between working at ground level and working at height safety standards. The helmet is white with a smoked visor

PART NO.	DESCRIPTION
S26-1032	EVO VISTALENS DUALSWITCH SAFETY HELMET WITH SILVER CR2 - VENTED

JSP DELUXE CHINSTRAP FOR EVO HELMET RANGE

Deluxe Chinstrap with Chincup that releases automatically with forces between 150 & 250 Newtons. Fits all Evolution® Safety Helmets.

PART NO.	DESCRIPTION
S26-1037	JSP DELUXE CHINSTRAP FOR EVO HELMET RANGE

JSP SAFETY HELMET SWEATBAND
CHAMLON FOR EVO RANGE - PACK OF 20

Pack of 20 Chamlon sweatbands for the Evolution® range of safety helmets (Does not fit Evolution8®).

PART NO.	DESCRIPTION
S26-1035	JSP SAFETY HELMET SWEATBAND CHAMLON FOR EVO RANGE - PACK OF 20

JSP VISILITE MULTI SAFETY HELMET ILLUMINATION LIGHT SYSTEM

The VisiLite® helmet illumination system has been developed as a method of increasing worker visibility without dazzling colleagues in close proximity. VisiLite® offers three lighting modes to suit the user's needs. Designed for use with JSP EVO 2, 3 and 5 helmets. 50m Visibility.

PART NO.	DESCRIPTION
S26-2009	H) JSP VISILITE MULTI SAFETY HELMET ILLUMINATION LIGHT SYSTEM

A-B) JSP SONIS 1 HELMET EAR DEFENDERS

Sonis® 1 Helmet Mounted Ear Defenders 26/27dB SNR can be used for the following activities but not limited to:

- Moderate Industrial Noise
- Workshops
- Printing Works
- Landscaping
- Leisure Activities

Available helmet mounting 26 dB (S26-2000) or Overhead use 27dB (S26-2002).

Green - Low Attenuation Small Cup 80-106 dB.

C) REPLACEMENT DEFENDER HYGIENE KIT FOR SONIS 1

Comprising 2 x replacement cushion assemblies and 2 x foam inserts.

PART NO.	DESCRIPTION
S26-2000	A) JSP SONIS 1 HELMET MOUNTED EAR DEFENDERS (SNR26)
S26-2002	B) JSP SONIS 1 OVERHEAD EAR DEFENDERS (SNR 27)
S26-2005	C) JSP EAR DEFENDER HYGIENE KIT SONIS 1

A) JSP SONIS 2 OVERHEAD EAR DEFENDERS (SNR1)

TSonis® 2 Adjustable Ear Defenders 31dB SNR can be used for the following activities but not limited to:

- Substantial Industrial Noise
- Construction & Agricultural Machinery
- Road Works
- Forestry
- Engineering

Yellow - Medium Attenuation Medium Cup 107-111 dB.

B) REPLACEMENT DEFENDER HYGIENE KIT FOR SONIS 2

Comprising 2 x replacement cushion assemblies and 2 x foam inserts.

PART NO.	DESCRIPTION
S26-2003	A) JSP SONIS 2 OVERHEAD EAR DEFENDERS (SNR31)
S26-2006	B) JSP EAR DEFENDER HYGIENE KIT SONIS 2

A-B) JSP SONIS 3 HELMET EAR DEFENDERS

TSonis® 3 Adjustable Ear Defenders 36/37dB SNR can be used for the following activities but not limited to:

- Extreme Industrial Noise
- Aircraft
- Quarrying
- Paper Mills
- Heavy Engineering

Available helmet mounting 36 dB (S26-2004) or Overhead use 3 7dB (S26-2001).

Red - High Attenuation Large Cup 111-116 dB.

C) REPLACEMENT DEFENDER HYGIENE KIT FOR SONIS 3

Comprising 2 x replacement cushion assemblies and 2 x foam inserts.

PART NO.	DESCRIPTION
S26-2004	A) JSP SONIS 3 HELMET MOUNTED EAR DEFENDERS (SNR 36)
S26-2001	B) JSP SONIS 3 OVERHEAD EAR DEFENDERS (SNR 37)
S26-2007	C) JSP EAR DEFENDER HYGIENE KIT SONIS 3

A) ECONOMY EAR DEFENDER

Lightweight, foam-filled padded ear defenders with adjustable, reinforced headband for comfortable fit.

Dimensions: H29.2 x M25.4 x L17.9cm. 27.6dB Standard Noise Reduction. ABS Plastic Construction. Surface Wipe Only. Adjustable.

B) HYGIENIC EAR PLUGS (PKT 2)

Hygienic ear plugs for high level hearing protection. Conforms to EN352-2. Protection levels: H=36 M=34 L=33 SNR=37dB. Available in packs of 2.

C) CORDED EAR PLUGS EN352-2

Earplugs with a cloth cord to help prevent earplug loss. The tapered design fits comfortably in ear canals, Soft polyurethane foam is hypoallergenic and comply with the requirements of EN352-2:2002.

D) UVEX HI-COM PROFESSIONAL EARPLUGS PACK OF 300 PAIRS

The Uvex hi-com SNR 24db earplug delivers softer acoustics and absorbs noise interference, making it possible to understand speech clearly. Tapered shape is designed to fit the natural shape of the ear canal. Conforms to EN352-2-SNR 24dB.

E) MAXFIT PRO EAR PLUGS C/W CORD AND CARRY CASE

Re-useable, washable corded ear plug with compact carry case. Conform to EN 352-2 -SNR 32dB.

PART NO.	DESCRIPTION
S26-1066	A) ECONOMY EAR DEFENDER
S26-3574	B) HYGIENIC EAR PLUGS (PKT 2)
S26-6941	C) CORDED EAR PLUGS EN352-2
S26-4745	D) UVEX HI-COM PROFESSIONAL EARPLUGS PACK OF 300 PAIRS
S26-2008	D) MAXFIT PRO EAR PLUGS C/W CORD AND CARRY CASE

DUST/VAPOUR MASKS AND FILTERS

A) Moulded Disposable Mask FFP3 (M632) - Box of 10

Moulded disposable respirator with comfort foam surround, adjustable nose clip, four-point adjustable harness and exhalation valve.

Features metal free, 4-point adjustable straps to create a firm and adaptable fit. Conforms to EN 149.

B) Powercap Infinity PAPR Complete Unit - Blue

A fully integrated TH3 powered air respirator offering 4 of the highest levels of protection in one intuitive head mounted unit. Giving the wearer complete above the neck 4 in 1 protection with clean air to the level of EN 12941:1998 + A2:2008 TH3P - The highest possible rating with an APF of 40.

C) TH3P R SL Filters for the PowerCap® Infinity® PAPR - Pair

Pair of replacement filters for PowerCap® Infinity® (S26-1046). Filters should be checked, maintained and replaced regularly to ensure the unit performs correctly.

The length of a filters life depends on working application.
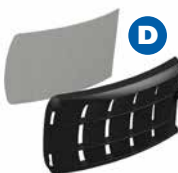
D) Pre-Filters with 2 Covers for the PowerCap Infinity PAPR - Pk10

Pack of 10 (5 pairs) Pre-filters and Pre-filter covers for the PowerCap® Infinity®(S26-1046).

It is recommended that pre-filters are changed daily before use.

E) JSP Force 8 Half-Mask with Respirator with P3 Filters - Medium

The Force®8 twin cartridge half mask with Typhoon™ valve offers superior low breathing resistance and a 4-point suspension harness with quick-release buckles. The mask is made with a durable thermoplastic rubber offering a superior fit to most face shapes. The mask accepts the full range of low profile Force®8 filters giving the Force®8 the flexibility to be used for many applications, providing filtering protection against particulates, many gases and vapours.

F) JSP PressToCheck Respirator Dust Filters P3 - Set of 2

The Force®8 twin cartridge half mask with Typhoon™ valve offers superior low breathing resistance and a 4-point suspension harness with quick-release buckles. The mask is made with a durable thermoplastic rubber offering a superior fit to most face shapes.

G) JSP Force 8 Half-Mask Respirator without Filters

Small, medium and large available.

PART NO.	DESCRIPTION
S26-3500	A) MOULDED DISPOSABLE MASK FFP3 (M632) - BOX OF 10
S26-1046	B) POWERCAP INFINITY PAPR COMPLETE UNIT - BLUE
S26-1047	C) TH3P R SL FILTERS FOR THE POWERCAP® INFINITY® PAPR - PAIR
S26-1048	D) PRE-FILTERS WITH 2 COVERS FOR THE POWERCAP INFINITY PAPR - PK10
S26-6933	E) JSP FORCE 8 HALF-MASK WITH RESPIRATOR WITH P3 FILTERS - MEDIUM
S26-6934	F) JSP PRESSTOCHECK RESPIRATOR DUST FILTERS P3 - SET OF 2
S26-6935	G) JSP FORCE 8 HALF-MASK RESPIRATOR WITHOUT FILTERS - SMALL
S26-6936	G) JSP FORCE 8 HALF-MASK RESPIRATOR WITHOUT FILTERS - MEDIUM
S26-6937	G) JSP FORCE 8 HALF-MASK RESPIRATOR WITHOUT FILTERS - LARGE

PPE & SAFETY EQUIPMENT

EYE PROTECTION

A) Safety Goggles

Safety goggle with adjustable strap for great fit and a vented design to avoid heat build up, these E30 Safety Goggles offer great protection against low impact particles - ideal for a broad variety of activities. Scratch resistant polycarbonate lens and complying with EN166.

D) Bolle Bandido Smoked

Same as C) S26-5924 but with smoke coloured lens and frame, recommended for outdoor work, EN172 norm guarantee a protection of 99.99% from ultra-violet solar radiation.

G) Bolle Rush+ Platinum Safety Glasses - Smoke

Bollé Safety RUSH+ Safety Eyeshields with PLATINUM® anti-scratch and anti-fog coating which have an ultra-sporty, lightweight design with ultra-flexible, co-injected and customisable temples.

J) Bollé Safety B100 B Cleaning Tissues Dispenser of 100

The Bollé Safety Cleaning Tissues Dispenser contains lint-free wipes that are also alcohol and silicone-free and suitable for all Bollé Safety lens coatings.

Pack size:
100 x inividually packed tissues.

B) Safety Spectacles

A lightweight and economical safety spectacle with durable polycarbonate frame conforming to EN 166.1.B.

E) Bolle Pilot Safety Goggles

The Bolle PILOT PILOPS has a co-injected, ventilated frame that guarantees unequalled adaptability and comfort. The google provide excellent field of vision, very flexible PP/TPR frame, adjustable strap and anti-scratch,anti-fog coating These goggle fit over prescription glasses.

H) Laser Safety Spectacles

S26-5927 Wraparound frame Laser Safety Spectacles for use when working with live fibre cables and equipment. Supersedes the discontinued S26-8261 Laser Safety Goggles.

Specifications:

Optical Density:
>180--315 D LB6 + R LB4
>315--400 DR LB4
>770--820 DIR LB2
>820--865 DIR LB3
>865--940 DIR LB4
>940--1064 DIRM LB5
>1064--1400 DIRM LB4
>1400--1850 DI LB2

K) Bollé Safety B200 B Clean Anti-Fog Kit

The Bollé Safety B200 b Clean Anti-Fog Kit is for all types of lenses, except AR coated lenses (PACF030 and PACF500 versions).

C) Bolle Bandido Ii Safety Spectacles

Good looking safety specs made entirely of highly-resistant polycarbonate, BANDIDO II BANCII is the perfect value safety spectacle option, featuring anti-fog and anti-scratch coating which can resist a low energy impact of 6 mm, 0.86 g ball at 45 m/s.

F) Bolle Rush+ Platinum Safety Glasses - Clear

The Bollé Safety RUSH+ Safety Eyeshields with PLATINUM® anti-scratch and anti-fog coating which have an ultra-sporty, lightweight design with ultra-flexible, co-injected and customisable temples.

I) Laser Safety Glasses (Over Specs)

Green laser safety glasses designed to be worn over prescription spectacles for use when working with live fibre cables and equipment.

Specifications:

Optical Density:
800 - 1700nm OD4+
900 - 1550nm OD6+
LB-Rating:
800 - 1400nm DIRM LB4
900 - 1400nm DIRM LB6
1400 - 1700nm DI LB3

L) Zipped Hard Case for Safety Eyewear

Protective case for storing safety spectacles or goggles with a zipped lid. Fitted with a belt clip.

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
S26-1335	A) IMPACT GOGGLES BS 2092 GD	S26-5926	G) BOLLE RUSH+ PLATINUM SAFETY GLASSES - SMOKE
S26-1069	B) SAFETY SPECTACLES EN 166.1.FT.	S26-5927	H) LASER SAFETY SPECTACLES
S26-5924	C) BOLLE BANDIDO II SAFETY SPECTACLES	S26-5928	I) LASER SAFETY GLASSES (OVER SPECS)
S26-5925	D) BOLLE BANDIDO SAFETY SUN SPECTACLES	C05-0200	J) BOLLÉ SAFETY B100 B CLEANING TISSUES DISPENSER OF 100
S26-6623	E) BOLLE PILOT SAFETY GOGGLES	C05-0201	K) BOLLÉ SAFETY B200 B CLEAN ANTI-FOG KIT
S26-5929	F) BOLLE RUSH+ PLATINUM SAFETY GLASSES - CLEAR	S26-5480	L) ZIPPED HARD CASE FOR SAFETY EYEWEAR

BOLLE PRESCRIPTION SAFETY EYEWEAR

The Bollé Safety All-Inclusive Prescription Pack offers a simple solution for getting your own prescription safety eyewear.

The pack contains a form to take to Boots or any other participating optician, simple instructions and details of the styles to choose from. (Boots Opticians have the Bolle Safety frames available to view and select).

Features:

Choice of up to 24 styles

Single or Varifocal glasses (Any power up to ±8)

Polycarbonate lenses with Bollé Safety's unique double sided anti-scratch and anti-fog coating

Tested and approved to EN166 1F K&N for glasses and a 1BT K&N rated goggle

For further information visit millsltd.com

PART NO.	DESCRIPTION
S26-6624	BOLLE PRESCRIPTION SAFETY EYEWEAR

SWISS ONE SHAPE BROWGUARD WITH VISOR

Polycarbonate Faceshield and Browguard
- 1mm Thick
- EN 166
- [HT-HTL-OSM-A]

• Polycarbonate Faceshield
• Yellow Browguard
• Conforms to EN166
• Dimensions 58x43x49mm

PART NO.	DESCRIPTION
S26-7236	SWISS ONE SHAPE BROWGUARD WITH VISOR

CARPET PROTECTOR - 600MM X 25M ROLL

Low tack, adhesive carpet protector film, made of tough polythene and designed to protect carpets without creating a trip hazard. It must be renewed every four weeks (not suitable for thick pile carpets). It provides protection against decorating spills, high foot traffic when moving house and is suitable for stair carpets. Simple and fast installation and removal.

Size: 600mm x 25m Roll.

PART NO.	DESCRIPTION
S83-9411	CARPET PROTECTOR - 600MM X 25M ROLL

ORIGINAL CLEANBOOT REUSABLE OVERSHOE PAIR

Crafted from 100% pure neoprene that guarantees safe and seamless traction over all types of surfaces including carpets, vinyl and tiled flooring due to the patented grip sole.

Features:

Durable and water resistant

Reusable. Machine wash them and they're good as new

Convenient insertion/removal due to stretchable elastic opening

Crafted from light, breathable waterproof fabric

Designed to perfectly fit around any shoe type

Available in Small / Medium / Large / XL
UK Workboot Sizes
Small: Sizes 6-8
Medium: Sizes 8-10
Large: Sizes 10-12
Extra Large: Sizes 12-15 plus

PART NO.	DESCRIPTION
S82-1924	ORIGINAL CLEANBOOT REUSABLE OVERSHOE PAIR - SIZE S
S82-1923	ORIGINAL CLEANBOOT REUSABLE OVERSHOE PAIR - SIZE M
S82-1919	ORIGINAL CLEANBOOT REUSABLE OVERSHOE PAIR - SIZE L
S82-1767	ORIGINAL CLEANBOOT REUSABLE OVERSHOE PAIR - SIZE XL

CLEAN ROOM STICKY TAC MAT 600 X 900MM

Blue Cleanroom Sticky Tac-Mat with 60 sheets.
Reduces contamination / debris by removing dirt from soles of footwear.

PART NO.	DESCRIPTION
S00-9892	CLEAN ROOM STICKY TAC MAT 600 X 900MM

OVERSHOE PACKET OF 100

With elasticated tops. Suitable for use in clean or wet environments.
Packet of 100.
Colour: Blue

PART NO.	DESCRIPTION
S99-4275	OVERSHOE PACKET OF 100

MILLS BI-FOLD KNEELING PAD

A 40mm high density foam kneeling mat which when folded gives an 80mm cushion. Designed for service engineers and jointers on the move.

PART NO.	DESCRIPTION
S00-4538	MILLS BI-FOLD KNEELING PAD

A) KNEE PADS FOR TROUSERS

Work trouser knee pad inserts, manufactured from 100% lightweight flexible moulded polythene. Does not hinder the wearer when walking. Supplied in pairs. Manufactured to: EN14404:2004+A1:2010.

Size: 215 x 165mm.

B) STANLEY IOWA HOLSTER TROUSERS

Stanley Clothing Iowa Holster Trousers with a 'classic' fit have durable Cordura® knee pad pockets to allow you to add knee pads, increasing comfort when working on your knees.

They have multiple cargo pockets making them good, all-round, functional work trousers. There is also a handy ruler pocket.

Colour: Black.

PART NO.	DESCRIPTION	WAIST	LEG
R99-1994	A) KNEE PADS FOR TROUSERS		
S91-2058	B) STANLEY IOWA HOLSTER TROUSERS	30"	31"
S91-2059	B) STANLEY IOWA HOLSTER TROUSERS	30"	33"
S91-2060	B) STANLEY IOWA HOLSTER TROUSERS	32"	31"
S91-2061	B) STANLEY IOWA HOLSTER TROUSERS	32"	33"
S91-2062	B) STANLEY IOWA HOLSTER TROUSERS	34"	31"
S91-2063	B) STANLEY IOWA HOLSTER TROUSERS	34"	33"
S91-2064	B) STANLEY IOWA HOLSTER TROUSERS	36"	31"
S91-2065	B) STANLEY IOWA HOLSTER TROUSERS	36"	33"
S91-2066	B) STANLEY IOWA HOLSTER TROUSERS	38"	31"
S91-2067	B) STANLEY IOWA HOLSTER TROUSERS	38"	33"
S91-2068	B) STANLEY IOWA HOLSTER TROUSERS	40"	31"
S91-2069	B) STANLEY IOWA HOLSTER TROUSERS	40"	33"
S91-2070	B) STANLEY IOWA HOLSTER TROUSERS	42"	31"

KNEELING PAD

Quality 28mm EVA kneeling mat.
Size 450mm x 215mm x 28mm.

PART NO.	DESCRIPTION
S00-7370	KNEELING PAD

MILLS GEL FILLED KNEE PADS

Gel filled knee pads protect and provide unparalleled comfort when working on your knees. They are ideal for installers and engineers. Straps provide a secure and comfortable fit. One size fits all.

PART NO.	DESCRIPTION
S00-0004	MILLS GEL FILLED KNEE PADS

PPE & SAFETY EQUIPMENT

A) FLAME RETARDANT OVERALLS

Flame retardant coverall that offers protection against heat, flames, welding and allied processes as well as having electrostatic properties.

Conforms to to:
- EN ISO 11611: 2007 Class 2 A1+A2
- EN ISO 11612: 2008 A1+A2 B1 C1 F1

B) TWO PIECE RAINPROOF SUIT

To suit chest size up to XL 138cm (54"). Includes hood with neck cord, zipped front with studded overlap, twin jacket pockets, underarm vents and vent holes at the back with a flap to prevent water ingress. Other sizes available on request.

C) COVERALLS

These coveralls protect against dust particles, low risk chemical splash and protection of barrier to radioactive particulates and ar durable, breathable and comfortable. Available in 4 sizes.

- PE Regulation (EU) 2016/425
- EN 13982-1 Type 5 Protection
- EN 13034 Type 6 Protection
- EN 1073-2 Class 1
- EN 1149 Anti-Static

D) PVC CHEMICAL RESISTANT APRON

Green PVC Chemical Resistant Apron With Tie has excellent resistance to acids, alkalis and other hazardous chemicals. All seams are sown and welded for total protection. Aprons conforms to BS EN 467.

A **B** **C** **D**

PART NO.	DESCRIPTION
S99-4486	A) FLAME RETARDANT OVERALL - SMALL
S99-4487	A) FLAME RETARDANT OVERALL - MEDIUM
S99-4488	A) FLAME RETARDANT OVERALL - LARGE
S99-4489	A) FLAME RETARDANT OVERALL - XL
S99-4490	A) FLAME RETARDANT OVERALL - XXL

PART NO.	DESCRIPTION
S99-1086	B) TWO PIECE RAINPROOF SUIT - XL
S99-1091	C) COVERALLS - MEDUIM
S99-1092	C) COVERALLS - LARGE
S99-1090	C) COVERALLS - XL
S99-1093	C) COVERALLS - XXL
S26-7237	D) PVC CHEMICAL RESISTANT APRON

BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL

The Hi-Vis Anti-static Bizflame Pro Coverall offers all the benefits of flame resistant fabric with added hi-vis and anti-static protection.

Features:
- Protection against radiant, convective and contact heat
- Certified protection against molten metal splash
- Rule pocket
- Quick and easy side access
- Stud adjustable cuffs for a secure fit
- Concealed stud front for easy access
- Twin-stitched seams for extra durability
- Knee pad pockets to facilitate knee pads
- Premium sew on flame resistant reflective tape

PART NO.	DESCRIPTION
S99-1650	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL - SMALL L31
S99-1651	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL - MEDIUM L31
S99-1652	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL - MEDIUM L33
S99-1653	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL - LARGE L31
S99-1654	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL - LARGE L33
S99-1655	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL - XL L31
S99-1656	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL - XL L33
S99-1657	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW / NAVY HI VIS COVERALL - XXL L31
S99-1658	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL - XXL L33
S99-1659	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL - XXXL L31
S99-1660	BIZFLAME PRO FLAME RESISTANT ANTI STATIC YELLOW/NAVY HI VIS COVERALL - XXXL L33

HI-VIS YELLOW GARMENTS PRODUCED TO EN 471 – 1994 STANDARD

For corporate logo printing, please call sales for a quotation on 020 8833 2626

PART NO.	DESCRIPTION
A) YELLOW WAISTCOATS	
S26-0122	SMALL YELLOW WAISTCOAT
S26-0123	MEDIUM YELLOW WAISTCOAT
S26-1392	LARGE YELLOW WAISTCOAT
S26-1390	XL YELLOW WAISTCOAT
S26-0124	XXL YELLOW WAISTCOAT
B) YELLOW LONG SLEEVE WAISTCOATS	
S26-0114	SMALL YELLOW LONG SLEEVE WAISTCOAT
S26-0115	MEDIUM YELLOW LONG SLEEVE WAISTCOAT
S26-6946	LARGE YELLOW LONG SLEEVE WAISTCOAT
S26-6947	XL YELLOW LONG SLEEVE WAISTCOAT
S26-0116	XXL YELLOW LONG SLEEVE WAISTCOAT
C) YELLOW BOMBER JACKETS	
S26-0155	SMALL YELLOW BOMBER JACKET
S26-0156	MEDIUM YELLOW BOMBER JACKET
S26-0157	LARGE YELLOW BOMBER JACKET
S26-0158	XL YELLOW BOMBER JACKET
S26-0159	XXL YELLOW BOMBER JACKET
D) YELLOW PARKA JACKETS	
S26-0105	SMALL YELLOW PARKA JACKET
S26-0106	MEDIUM YELLOW PARKA JACKET
S26-0107	LARGE YELLOW PARKA JACKET
S00-1391	XL YELLOW PARKA JACKET
S26-0108	XXL YELLOW PARKA JACKET
E) YELLOW TROUSERS REGULAR 32-34"	
S26-0131	32" YELLOW TROUSERS REGULAR
S26-0133	34" YELLOW TROUSERS REGULAR

PART NO.	DESCRIPTION
E) YELLOW TROUSERS REGULAR 36-40"	
S26-0135	36" YELLOW TROUSERS REGULAR
S26-0143	38" YELLOW TROUSERS REGULAR
S26-0145	40" YELLOW TROUSERS REGULAR
E) YELLOW TROUSERS LONG	
S26-0132	32" YELLOW TROUSERS LONG
S26-0134	34" YELLOW TROUSERS LONG
S26-0136	36" YELLOW TROUSERS LONG
S26-0144	38" YELLOW TROUSERS LONG
S26-0146	40" YELLOW TROUSERS LONG
F) YELLOW HI VIS SHORTS	
S26-0147	SMALL 28-30" HI VIS YELLOW SHORTS
S26-0148	MEDIUM 32-34" HI VIS YELLOW SHORTS
S26-0149	LARGE 36-38" HI VIS YELLOW SHORTS
S26-0150	XL 40-42" HI VIS YELLOW SHORTS
G) YELLOW HI VIS POLO SHIRTS	
S26-0165	HIGH VIS POLO SHIRT YELLOW - SMALL
S26-0166	HIGH VIS POLO SHIRT YELLOW - MEDIUM
S26-0167	HIGH VIS POLO SHIRT YELLOW - LARGE
S26-0168	HIGH VIS POLO SHIRT YELLOW - XL
S26-0169	HIGH VIS POLO SHIRT YELLOW - XXL
H) YELLOW HI VIS T-SHIRTS	
S26-0175	HIGH VIS T-SHIRT YELLOW - SMALL
S26-0176	HIGH VIS T-SHIRT YELLOW - MEDIUM
S26-0177	HIGH VIS T-SHIRT YELLOW - LARGE
S26-0178	HIGH VIS T-SHIRT YELLOW - XL
S26-0179	HIGH VIS T-SHIRT YELLOW - XXL

PPE & SAFETY EQUIPMENT

HI-VIS ORANGE GARMENTS PRODUCED TO EN 471 – 1994 STANDARD

For corporate logo printing, please call sales for a quotation on 020 8833 2626

PART NO.	DESCRIPTION
A) ORANGE WAISTCOATS	
S26-0117	SMALL ORANGE WAISTCOAT
S26-0118	MEDIUM ORANGE WAISTCOAT
S26-0119	LARGE ORANGE WAISTCOAT
S26-0120	XL ORANGE WAISTCOAT
S26-0121	XXL ORANGE WAISTCOAT
B) ORANGE LONG SLEEVE WAISTCOATS	
S26-0109	SMALL ORANGE LONG SLEEVE WAISTCOAT
S26-0110	MEDIUM ORANGE LONG SLEEVE WAISTCOAT
S26-0111	LARGE ORANGE LONG SLEEVE WAISTCOAT
S26-0112	XL ORANGE LONG SLEEVE WAISTCOAT
S26-0113	XXL ORANGE LONG SLEEVE WAISTCOAT
C) ORANGE BOMBER JACKETS	
S26-0160	SMALL ORANGE BOMBER JACKET
S26-0161	MEDIUM ORANGE BOMBER JACKET
S26-0162	LARGE ORANGE BOMBER JACKET
S26-0163	XL ORANGE BOMBER JACKET
S26-0164	XXL ORANGE BOMBER JACKET
D) ORANGE PARKA JACKETS	
S26-0100	SMALL ORANGE PARKA JACKET
S26-0101	MEDIUM ORANGE PARKA JACKET
S26-0102	LARGE ORANGE PARKA JACKET
S26-0103	XL ORANGE PARKA JACKET
S26-0104	XXL ORANGE PARKA JACKET
E) ORANGE TROUSERS REGULAR 32-34"	
S26-0125	32" ORANGE TROUSERS REGULAR
S26-0127	34" ORANGE TROUSERS REGULAR

PART NO.	DESCRIPTION
E) ORANGE TROUSERS REGULAR 36-40"	
S26-0129	36" ORANGE TROUSERS REGULAR
S26-0139	38" ORANGE TROUSERS REGULAR
S26-0141	40" ORANGE TROUSERS REGULAR
E) ORANGE TROUSERS LONG	
S26-0126	32" ORANGE TROUSERS LONG
S26-0128	34" ORANGE TROUSERS LONG
S26-0130	36" ORANGE TROUSERS LONG
S26-0140	38" ORANGE TROUSERS LONG
S26-0142	40" ORANGE TROUSERS LONG
F) ORANGE HI VIS SHORTS	
S26-0151	SMALL 28-30" HI VIS ORANGE SHORTS
S26-0152	MEDIUM 32- 34" HI VIS ORANGE SHORTS
S26-0153	LARGE 36-38" HI VIS ORANGE SHORTS
S26-0154	XL 40-42" HI VIS ORANGE SHORTS
G) ORANGE HI VIS POLO SHIRTS	
S26-0170	HIGH VIS POLO SHIRT ORANGE - SMALL
S26-0171	HIGH VIS POLO SHIRT ORANGE - MEDIUM
S26-0172	HIGH VIS POLO SHIRT ORANGE - LARGE
S26-0173	HIGH VIS POLO SHIRT ORANGE - XL
S26-0174	HIGH VIS POLO SHIRT ORANGE - XXL
H) ORANGE HI VIS T-SHIRTS	
S26-0180	HIGH VIS T-SHIRT ORANGE - SMALL
S26-0181	HIGH VIS T-SHIRT ORANGE - MEDIUM
S26-0182	HIGH VIS T-SHIRT ORANGE - LARGE
S26-0183	HIGH VIS T-SHIRT ORANGE - XL
S26-0184	HIGH VIS T-SHIRT ORANGE - XXL

BSI FIRST AID KITS

From January 2019 BSI standards have been issued for the provision of First Aid within the workplace - BS 8599-1:201.

The British Healthcare Trade Association (BHTA) has devised kits that more closely reflect potential accidents in the workplace. These kits have become the British Standard Kits for workplaces in the UK and are a clear way for an employer to meet their obligations, the kits include a large range of items in various quantities, including; plasters, burns dressings, blankets, bandages and wipes.

We offer the following kits in 3 options:

A) Travel and Motor First Aid Kit- 240 x 160 x 50mm

B) Small Workplace First Aid Kit- 1-10 Person 225 x 235 x 95mm

C) Medium Workplace First Aid Kit-11-20 Person 280 x 290 x 110mm

Component	A) Travel Kit	B) Small	C) Medium
Instructions	1	1	1
Contents List	1	1	1
Medium Dressing	1	2	4
Large Dressing	0	2	3
Triangular Bandage	1	2	3
Eye Pad & Bandage	0	2	3
Waterproof Plasters	10	40	60
Cleansing Wipes (Sterile)	10	20	30
Microporous Tape	0	1	2
Nitrile Disposable Gloves (Pair)	2	6	9
Finger Dressing	0	2	3
Revive Aid (Resuscitation Device)	1	1	1
Thermal Blanket	1	1	2
Burn Dressing	2	1	2
Tuff Cut Scissors	1	1	1
Conforming Bandage	0	1	2
Adhesive Wound Dressing	1	0	0
Medium Trauma Dressing	1	0	0

PART NO.	DESCRIPTION
S00-4367	A) STANDARD FIRST AID KIT TRAVEL & MOTORING - BS 8599-1:2019
S00-4368	B) STANDARD FIRST AID KIT SMALL - BS 8599-1:2019
S00-4369	C) STANDARD FIRST AID KIT MEDIUM - BS 8599-1:2019

VAN AND TRUCK 1 MAN FIRST AID KIT

Contains the HSE recommended first aid components for travelling employees, with additional contents.

Can be located onto the existing green box bracket or installed with the new secure fitting bracket as supplied.

Essential first aid Wall Bracket Supplied Ideal for travelling employees.

Contents	Qty	Contents	Qty
Guidance Leaflet	1	Triangular Bandages	2
Safety Pins	12	Non-Adherent Dressings	5
Wipes	6	Microporus Tape	1
Waterproof Plasters	20	Eyewash 20ml	5
Gloves (Pairs)	2	Scissors	1
Conforming Bandage	2	Fingerstalls	2
Large Dressing	1		

PART NO.	DESCRIPTION
S00-4366	VAN AND TRUCK 1 MAN FIRST AID KIT

CRITICAL INJURY PACK

The BS 8599-1:2019 Critical Injury Pack includes a tourniquet and haemostatic dressing for use in high-risk environments. The Critical Injury Pack is contained in a water-resistant tear open pack to allow easy access in situations which require rapid response. Where a high-risk situation is identified, the Critical Injury Pack can be added to existing first aid kits.

Contents	Qty
Nitrile Gloves (Pairs)	2
Tuff Cut Scissors	1
Large Trauma Dressing 15cm x 18cm	2
Haemostatic Dressing 10cm x 10cm	2
Tourniquet	1
Thermal Blanket	1
Instructions	1
Contents Leaflet	1

PART NO.	DESCRIPTION
S00-4370	CRITICAL INJURY PACK

WORK AT HEIGHT FIRST AID PACK

The Work at Height First Aid Pack is compatible with the training requirements of the GWO BST standard first aid courses.

Contained in rucksack style case, with prominent reflective markings, zip around opening and a robust carry handle with attachment loop for clipping to a harness. The bag size allows for the content to be expanded or modified to suit specific work environment needs.

A small grab bag is enclosed, with a selection of basic first aid contents when the needs are straight forward.

Work at Height First Aid Pack Contents:

Main Section:
• Trauma shears
  - for access
• Tweezers - disposable
• Nitrile gloves
  - for infection control
• Wipes - alcohol free
• Saline pods
• Casualty prompt card
  - for recording incident
• Dual ended Sharpie
• Pocket resus mask
  - for CPR
• Plasters
  - for bleeding control
• Pressure / Battlefield dressing
  - for significant bleeds
• CAT style Tourniquet
• Hydrogel fluid
  - for burns

• Hydrogel burns dressings
• Cling film roll
• Chemical ice pack
• Foam splint
  - for fractures
• Conforming bandages

Small Grab Bag:
• Nitrile gloves - for infection control
• Wipes - alcohol free
• Clinical waste bag
• Dual ended Sharpie
• Resus face shield
• Plasters
  - for bleeding control
• Low adherent dressings
• Finger, Small, Med & Large dressings
• Adhesive tape
• Triangular bandages
• Foil blanket - for temperature control

PART NO.	DESCRIPTION
S00-1067	WORK AT HEIGHT FIRST AID PACK

FIRST AID BURNS KITS

Blue Dot Burns Kits provide effective relief from a variety of burns including scalds. An essential requirement with the workplace particularly where the risk of getting burn related injuries is higher.

Content	Details	A) Standard	B) Extra
Burn Dressing	20cm x 20cm	1	2
Burn Dressing	10cm x 10cm	2	2
Low Adherent Dressing	10cm x 10cm	2	2
Low Adherent Dressing	10cm x 20cm	1	2
Burn Gel Sachet	-	8	16
Eye Wash Pods	20ml Each	8	5
Crepe Bandage	10cm x 4.5m	1	1
Conforming Bandage	7.5cm x 4.5m	2	2
Gloves	Pair	2	2
Microporous Tape	2.5cm x 5m	1	1
Scissors		1	1

PART NO.	DESCRIPTION
S00-4371	A) FIRST AID BURNS KIT (STANDARD)
S00-4372	B) FIRST AID BURNS KIT (EXTRA)

EYEWASH STATIONS AND EYEWASH PODS

A) Emergency Eyewash kit for any location.

Self-supporting workbench allows kit to be opened and worked with on the bracket.
• Durable hinged case.
• Comes with a quick release wall fixing bracket.
• 500ml HypaClens Eyewash Bottles x 2
• HypaClens Sterile Eye Dressings x 2

B) A pack of 25 x 20ml Pod Saline Solution for Eye Injuries and Irrigation. Eyewash pods are smaller and more economical for lesser injuries than 500ml twist off top bottles.

PART NO.	DESCRIPTION
S26-7238	A) EYEWASH STATION
S99-7700	B) EYEWASH PODS PKT 25

PPE & SAFETY EQUIPMENT

A) REUSABLE COLD & HOT PACK

Provides the benefits of both Hot & Cold treatments. Can be frozen to be used as an ice pack for treatment of muscle injuries or microwaved to be used as a heat pack for relief from muscle aches, back pain, sinusitis and menstrual cramps.

Suitable for multiple uses.

Dimensions: 260 x 135mm

EASY ICE INSTANT ICE PACK

Provides on-the-spot cold therapy for bruising, muscle injuries, relieving pain and reducing risk of swelling around injury.

Larger size allows the ice pack to be wrapped around injuries and target larger muscles. Easy to use – no need for precooling. Single use, Disposable.

B) Small Ice Pack.
Dimensions: 190 x 130mm

C) Large Ice Pack.
Dimensions: 300 x 130mm

PART NO.	DESCRIPTION
S99-1040	A) REUSABLE COLD & HOT PACK
S26-6601	B) EASY ICE INSTANT ICE PACK - SMALL
S26-6600	C) EASY ICE INSTANT ICE PACK - LARGE

STERILE SALINE WIPES - BOX OF 100

Sterile saline wipe for use on broken skin to properly clean wounds. Supplied in a box of 100 wipes.

PART NO.	DESCRIPTION
S00-4375	STERILE SALINE WIPES - BOX OF 100

ASSORTED FABRIC PLASTERS

These lightweight quality plasters conform easily to the body to stay in place. Designed to cushion and protect, the highly flexible fabric fibre weave ventilates the wound and promotes quick natural healing.

Each plaster is individually wrapped. Material stretch fabric provides exceptional comfort.

PART NO.	DESCRIPTION
S99-7701	ASSORTED FABRIC PLASTERS

ACCIDENT BOOK

Aids Compliance With The Data Protection Act.

By law every business must record accidents to employees and visitors.

Space to record a total of 53 incidents. The Accident Book provides a quick and easy system for recording accidents in the workplace. Enables compliance with all requirements of the Social Security Administration Act 1992 and Data Protection Act 1996. Size A4.

PART NO.	DESCRIPTION
S99-3482	ACCIDENT BOOK

TRAVEL JOHN DISPOSABLE URINAL

Travel John disposable urinal is convenient, sanitary, discreet and compact. It immobilises bacterial growth, quickly absorbs the liquid waste and turns it into an odourless, spill-proof gel bag that is non-toxic and waste disposal safe. Supplied in pack of 3.

PART NO.	DESCRIPTION
P33-0758	TRAVEL JOHN DISPOSABLE URINAL

SHARPS DISPOSAL BINS

Heavy duty plastic welded construction sharps boxes with pop up lid and self sealing mechanism for security and ease of use. These cin bins also have an unobstructed opening, making it ideal for quick disposal of fibre waste, especially when emptying a cleaver waste bin.

A) 0.2L - For the safe disposal of fibre waste including cut-offs, syringes, used tissues, wipes, gloves, epoxy residues etc. The 0.2L cin bin is specifically shaped to contain the maximum amount of sharps in the minimum amount of space.

B) 0.3L - Ideal for use in fibre toolkits. Dimensions 10.5cm x 5cm

C) 0.45L - Ideal for use in fibre toolkits or for a bench application and has fold away carrying handle.

D) Single application Sharps Clean-Up Kit effectively aids the removal, containment, disinfection and disposal of discarded needles and syringes.

Comprises:
1x Forceps
1x Gloves, Pair
1x Sanitiser Spray 8ml
1x Sharps Container 0.2ltr.
1x Waste Bag.
1x Wipe, Cleansing.

E) Sharps Clean-Up Kit - 0.6 Litre

PART NO.	DESCRIPTION
C00-6407	A) SHARPS DISPOSAL BIN 0.2 LITRE
C00-6408	B) SHARPS DISPOSAL BIN 0.3L
C00-6409	C) SHARPS DISPOSAL BIN 0.45L
S26-1330	D) SHARPS CLEAN-UP KIT - 0.2 LITRE
S26-1331	E) SHARPS CLEAN-UP KIT - 0.6 LITRE

PPE & SAFETY EQUIPMENT

A) FIRE EXTINGUISHER - CO2 - 2 LITRE

CO2 Extinguishers are designed to tackle both electrical and flammable liquid hazards (Class B Petrol Oil, Paints, Fats and flammables). CO2 is harmless to machinery and can safely be used on electrical equipment.

Features:

- Fitted with safety, swivel, frost free horn to guard against hand injuries
- Light Aluminium Body.
- Discharge time 8 seconds
- Range of Throw: >4 metres
- Test Valve
- Complete with mounting bracket.
- Dimensions: H490 x 117mm diameter
- Capacity 2 litre.

- Weight: 4.91 kg
- 'Fire rating' (34B)
- Manufactured under ISO 9001 and Kitemarked to BS EN3
- Approval: BS EN3: 1996 CE marked
- 5 Year Warranty if serviced in accordance with BS5306 Part 3

PART NO.	DESCRIPTION
S00-3040	A) FIRE EXTINGUISHER - CO2 - 2 LITRE

B) FIRE EXTINGUISHER - CO2 - 5 LITRE

CO2 Extinguishers are designed to tackle both electrical and flammable liquid hazards (Class B Petrol Oil, Paints, Fats and flammables). CO2 is harmless to machinery and can safely be used on electrical equipment.

Features:

- Light Aluminium Body
- Discharge time 14 seconds
- Range of Throw: >4 metres
- Test Valve
- Complete with mounting bracket
- Dimensions: H750 x 152mm diameter
- Capacity 5 litre
- Weight: 11.43 kg

- 'Fire rating' (70B)
- Manufactured under ISO 9001 and Kitemarked to BS EN3
- Approval: BS EN3: 1996 CE marked
- 5 Year Warranty if serviced in accordance with BS5306 Part 3

PART NO.	DESCRIPTION
S00-3037	B) FIRE EXTINGUISHER - CO2 - 5 LITRE

FIRE EXTINGUISHER - FOAM

Foam fire extinguisher manufactured to tackle class A and B type fires involving materials such as paper, card, straw, wood, rubber, plastics, liquid spill fires such as petrol, oil, fats, paints etc. Available in 2,6,and 9 Litre sizes

Features:

- Kitemarked to BS EN3
- CE approved
- Squeeze grip operation
- Corrosion resistant finish
- Internal polythene lining
- Protective plastic base
- Complete with bracket
- Has passed the 35kv conductivity discharge test

A) Specifications
Capacity: 2 litres
Fire Rating: 8A / 55B
Height: 395mm
Overall Width: 150mm
Filling Weight: 3.81kg
Range of throw: 2 metres

B) Specifications
Capacity: 6 litres
Fire Rating: 21A
Height: 560mm
Overall Width: 300mm
Filling Weight: 9.6kg
Range of throw: 4 metres

C) Specifications
Capacity: 9 litres
Fire Rating: 27A
Height :522mm
Overall Width: 340mm
Filling Weight: 13.24kg
Range of throw: 4 metres

PART NO.	DESCRIPTION
S00-3041	A) FIRE EXTINGUISHER - FOAM - 2 LITRE
S00-3036	B) FIRE EXTINGUISHER - FOAM - 6 LITRE
S00-3042	C) FIRE EXTINGUISHER - FOAM - 9 LITRE

FIRE EXTINGUISHER - POWDER

Two kilo dry powder fire extinguisher manufactured to tackle class A, B and C type fires involving wood, paper (Class A), flammable liquids (Class B) and gases (Class C).

The extinguisher is filled with multi-purpose powder, making it a good all round choice and capable of tackling all types of fire.

Features:

- Kitemarked to BS EN3
- CE approved
- Squeeze grip operation
- Corrosion resistant finish
- Internal polythene lining
- Protective plastic base
- Complete with bracket
- Multi-purpose application

A) Specifications
Capacity: 2kg

B) Specifications
Capacity: 6kg

C) Specifications
Capacity: 9kg

PART NO.	DESCRIPTION
S00-6088	A) FIRE EXTINGUISHER - POWDER - 2KG
S00-3039	B) FIRE EXTINGUISHER - POWDER - 6KG
S00-1171	C) FIRE EXTINGUISHER - POWDER - 9KG

PPE & SAFETY EQUIPMENT

A) FIRE EXTINGUISHER - WATER - 6 LITRE

Six litre water extinguisher manufactured to tackle class A type fires involving materials such as paper, card, straw, wood, rubber, plastics etc.

Features:
- Kitemarked to BS EN3
- CE approved
- Squeeze grip operation
- Corrosion resistant finish
- Internal polythene lining
- Protective plastic base
- Complete with bracket
- Has passed the 35kv conductivity discharge test
- Capacity: 6 litres

PART NO.	DESCRIPTION
S00-3038	A) FIRE EXTINGUISHER - WATER - 6 LITRE

B) FIRE EXTINGUISHER - WATER - 9 LITRE

Nine litre water extinguisher manufactured to tackle class A type fires involving materials such as paper, card, straw, wood, rubber, plastics etc.

Features:
- Kitemarked to BS EN3
- CE approved
- Squeeze grip operation
- Corrosion resistant finish
- Internal polythene lining
- Protective plastic base
- Complete with bracket
- Has passed the 35kv conductivity discharge test
- Capacity: 9 Litres

PART NO.	DESCRIPTION
S00-3043	B) FIRE EXTINGUISHER - WATER - 9 LITRE

FIRE EXTINGUISHER STANDS

Freestanding high quality single or double Fire Extinguisher Stands with a skirting board recess suitable for all portable extinguishers. Offers immediate access in case of emergency. Rotationally Moulded Crack & Chip resistant.

A) H750 x W320 x D300mm.

B) H750 x W620 x D300mm.

PART NO.	DESCRIPTION
S00-3033	A) SINGLE FIRE EXTINGUISHER STAND
S00-3034	B) DOUBLE FIRE EXTINGUISHER STAND

AUDIBLE WARNING AIR HORN

Audible warning air horn complete with compressed air can.

PART NO.	DESCRIPTION
S00-0002	AUDIBLE WARNING AIR HORN
S00-0003	REFILL AIR CAN FOR AUDIBLE WARNING AIR HORN

FIRE BLANKET 1.2M X 1.8M

Wall mounted fire blanket certified to BS EN 1869:1997.

PART NO.	DESCRIPTION
S00-7275	FIRE BLANKET 1.2M X 1.8M

FLAMMABLE LIQUID WARNING SIGN 200 X 200MM

Red / Black Flammable Liquid self adhesive vinyl warning sign.

PART NO.	DESCRIPTION
S26-1688	FLAMMABLE LIQUID WARNING SIGN 200 X 200MM

PPE & SAFETY EQUIPMENT

MILLS HEAVY DUTY ANTIBACTERIAL HANDWIPES - TUB OF 75

Antibacterial hand wipes supplied in a tub of 75.

Wipe size: Size 200 x 260mm.

Tough, fast, safe and convenient wipes designed to remove a wide range of soils such as paint, adhesives, oil, grease, silicone, grime and dirt. They are ideal for cleaning hands, tools and hard surfaces.

Contains ingredients to moisturise hands and prevent drying out.

Not for use on face/near eyes. Dermatologically tested.

PART NO.	DESCRIPTION
R99-6590	MILLS HEAVY DUTY ANTIBACTERIAL HANDWIPES

ORCA HAND SANITISER GEL (70% ALCOHOL) - 250ML

Premium quality 70% alcohol hand sanitiser gel. Instantly sanitises hands with no need to rinse. Hands are left feeling clean and soft.

Features:
- 70% alcohol formula
- Kills 99.99% germs & viruses
- Contains moisturisers
- Crystal clear, non-sticky formulation
- FDA registered: NDC 81251-761

Contains Ethyl Alcohol (Denat.) [CAS No. 64-17-5] 0.70g/100g.

PART NO.	DESCRIPTION
R99-1608	ORCA HAND SANITISER GEL (70% ALCOHOL) - 250ML

SURESAN ANTIBACTERIAL UNIVERSAL WIPES PK 72

Suresan Antibacterial Universal Wipes reliably remove 99.9% of bacteria on the hands and on different surfaces.

PART NO.	DESCRIPTION
R99-1685	SURESAN ANTIBACTERIAL UNIVERSAL WIPES PK 72

BIG WIPES ANTIBACTERIAL INDUSTRIAL WIPES 120 TUB

Heavy duty BIG WIPES Industrial wipes contain the unique Advanced Hi-Tech Big Wipes cleaning formula and are antibacterial. The fabric is smooth on both sides for superior dirt absorption.

PART NO.	DESCRIPTION
R99-5795	BIG WIPES ANTIBACTERIAL INDUSTRIAL WIPES 120 TUB

CALYPSO SUN LOTION SPF50

Calypso Sun Lotion SPF50 with gentle moisturisers offers UVA/UVB protection and helps prevent premature ageing.

Available in 50ml and 150ml sizes.

PART NO.	DESCRIPTION
B19-0005	A) CALYPSO SUN LOTION SPF50 150ML
R99-2007	B) CALYPSO SUN LOTION SPF50 50ML

ROZALEX DRI-GUARD BARRIER CREAM 450ML

Dri-Guard is an application specific barrier cream for protection against dry, oil or solvent based materials.

PART NO.	DESCRIPTION
S83-1758	ROZALEX DRI-GUARD BARRIER CREAM 450ML

SWARFEGA ORANGE HAND CLEANER PUMP TOP BOTTLE 4 LITRE

Swarfega Orange is an advanced formulation, solvent-free heavy-duty hand cleanser containing natural cornmeal for a deep down cleaning action and moisturiser to help care for skin.

PART NO.	DESCRIPTION
R99-0586	SWARFEGA ORANGE HAND CLEANER PUMP TOP BOTTLE 4 LITRE

PPE & SAFETY EQUIPMENT

A) GRAB 'N' CLEAN PAPER TOWEL DISPENSER

Improves infection-control, protecting the roll with a closed-system design. The portable design allows for a quick response safely and hygienically. Can be wall mounted or transported using the convenient grab handle.

- Versatile paper dispenser
- Single sheet dispension reduces waste
- Closed system improves hygiene
- Fixed and portable dispensers
- Improves aesthetic

B) GRAB 'N' CLEAN 1 PLY BLUE 550 SHEET ROLL

Compatible with the Grab n Clean Dispenser. A highquality, absorbent 1Ply sheet roll designed to mop up liquid spills. The high capacity coreless roll maximises the numbers of sheets stored in the dispenser, whilst the single sheet dispension prevents waste and over-usage, overall making this a great value product in any cleaning portfolio. 550 sheets per roll, 6 rolls per pack.

- Compatible with Grab 'n' Clean dispenser
- High capacity coreless roll
- Single sheet dispension prevents waste
- Sheet size: 200m x 18.6cm
- EU Ecolabel Certified

C) GRAB 'N' CLEAN WALL BRACKET

Creating a uniquely versatile system, the Grab n Clean fixed wall dispenser gives the choice between fixed and portable blue roll dispension, allowing one system to meet all workplace needs. Bracket only. Dispenser not included.

PART NO.	DESCRIPTION
R99-5800	A) GRAB 'N' CLEAN PAPER TOWEL DISPENSER
R99-5801	B) GRAB N CLEAN 1 PLY BLUE 550 SHEET ROLL - PACK OF 6
R99-5802	C) GRAB N CLEAN WALL BRACKET FOR PORTABLE DISPENSER

PAPER TOWEL ROLL BLUE - SINGLE

General purpose roll of blue paper towels, supplied individually.100 sheets per roll.
Width: 250mm.
Ref: 211142.

PART NO.	DESCRIPTION
S83-2917	PAPER TOWEL ROLL BLUE - SINGLE

MILLS WATER SAMPLING KIT WITH LITMUS STRIPS

Mills Telecoms Water Sampling Kit now with litmus strips is designed to enable clear identification of polluted water.
Environment Agency Guideline PPG20 requires the sampling of water of underground structures before de-watering can take place.

PART NO.	DESCRIPTION
S83-7602	MILLS WATER SAMPLING KIT WITH LITMUS STRIPS

WATER TEST CUP

Water Test Cup with black lanyard used for enabling clear identification of polluted water in underground chambers. Capacity: 1/2 pint.

PART NO.	DESCRIPTION
S83-1937	WATER TEST CUP

A) LITMUS PAPER TEST STRIPS WITH CONTROL CARD

Set of 80 Professional Litmus Paper 1-14 pH Test Strips with control card.
Suitable for testing the acidity / alkalinity of Water in underground chambers when used with the S83-7602 Mills Water Sampling Kit.
Also suitable for testing Cosmetics, Soil etc.

B) DIGITAL PH TESTER

For determining the acidity / alkalinity in potentially contaminated water in underground chambers.

PART NO.	DESCRIPTION
S00-1883	A) LITMUS PAPER TEST STRIPS WITH CONTROL CARD
C00-1666	B) DIGITAL PH TESTER

PPE & SAFETY EQUIPMENT

OIL SPILL KIT 15 LITRE

The Kit Comprises:
12 pads to absorb oil
2 socks to contain and absorb oil
2 disposable bags and ties
instruction sheet.

PART NO.	DESCRIPTION
S00-9000	OIL SPILL KIT 15 LITRE

LIQUID ABSORBING GRANULES 20 LITRES

This specially produced granular clay will absorb oil, grease and all kinds of liquid spillages without granular breakdown, leaving surfaces clean, dry and safe.
Size: 20 Litres

PART NO.	DESCRIPTION
S26-7239	LIQUID ABSORBING GRANULES 20 LITRES

ECOSPILL SPILLAGE KITS AND DRUMS

A) Ecospill Oil Spill Response Kit in 90 Litre Bin
Spillage Kit supplied in a 90 litre yellow bin.

Contents:
Pads x48
1.2m Socks x 8
Waste bags and ties x 10
Drum Putty x 1
Absorbs 90 litres.

B) Ecospill Oil Spill Response Kit in 120 Litre Wheelie Bin
Spillage Kit supplied in a 120 litre yellow wheelie bin.

Contents:
Pads x60
1.2m Socks x4
Pillows x 8
Haz bags and ties x10
Absorbs: 120 Litres

C) Ecospill 1 Drum Spill Pallet
205ltr drum spill pallet complies with all the UK regulations relating to sump capacities.
Size: 900mm x 700mm x 530mm
Sump capacity: 225L
UDL: 300kg. Weight: 22kg

D) Ecospill 2 Drum Spill Pallet
Twin 205ltr drum spill pallet with removable grids for easy access when the sump needs cleaning.
Size: 122cm x 82cm x 33cm
Sump capacity: 240L
UDL: 650kg. Weight: 23kg

E) Ecospill 3 Drum Spill Pallet
Quadruple 205ltr drum spill pallet with removable grids for easy access when the sump needs cleaning.
Size: 128cm x 128cm x 28cm
Sump capacity: 230L
UDL: 1250kg. Weight: 29kg

PART NO.	DESCRIPTION
S83-1520	A) OIL SPILL RESPONSE KIT IN 90 LITRE BIN
S83-1521	B) OIL SPILL RESPONSE KIT IN 120 LITRE WHEELIE BIN
S83-1523	C) 1 DRUM SPILL PALLET - 900MM X 700MM X 530MM
S83-1524	D) 2 DRUM SPILL PALLET - 1220MM X 820MM X 330MM
S83-1525	E) 4 DRUM SPILL PALLET - 1280MM X 1280MM X 280MM

A) PLANT NAPPY

Plant Nappy sits under a huge range of plant machinery and hand-held equipment to adsorb oil and prevent it from reaching the ground, protecting the environment.

B) PLANT NAPPY LINER

Re-useable Plant Nappy liner for use with relevant sized Plant Nappy.

PLEASE SEE WEBSITE FOR FURTHER DETAILS WWW.MILSLTD.COM

PART NO.	DESCRIPTION
S83-1550	A) PLANT NAPPY SMALL - 500 X 685MM
S83-1544	A) PLANT NAPPY MEDIUM - 1000 X 685MM
S83-1551	A) PLANT NAPPY LARGE - 2000 X 1370MM

PART NO.	DESCRIPTION
S83-1555	B) PLANT NAPPY LINER SMALL - 500 X 685MM
S83-1556	B) PLANT NAPPY LINER MEDIUM - 1000 X 685MM
S83-1557	B) PLANT NAPPY LINER LARGE - 2000 X 1370MM

PPE & SAFETY EQUIPMENT

HONEYWELL BW ICON + 4 GAS DETECTOR H2S CO O2 & LEL

Honeywell BW™ Icon+ GDU delivers an icon-based experience in a serviceable package. It enables you to maximize the lifespan of your 4-gas detectors, optimise long-term cost of ownership and select from multiple gas sensors for flexible applications.

Features & Benefits:

Reliable

- 2 months of battery runtime on a 4.5-hour charge - and up to 4 months if you turn off the detector at the end of each shift. No daily charging, no unexpected downtime
- Low-power infrared LEL sensor is immune to silicone poisoning, which means accurate monitoring of combustibles
- 1 Series sensors respond to dangerous gas levels in seconds, even in harsh temperatures

Easy to use

- Small, lightweight and wearable
- One-button operation
- IntelliFlash™ green light indicates the detector is in compliance; amber light indicates the need for maintenance
- Compatible with IntelliDoX instrument management and Honeywell Safety Suite
- Compatible with TouchConnect, using Bluetooth® for wireless configuration

Quick Specs

- The latest in low power LEL infared technology, giving you a battery runtime of 2 months
- 1 Series sensor technology giving you wider temperature working conditions and a 5-year expected life
- Compatible with the IntelliDox system for fast bump testing, data downloading, configuration and calibration of device. IntelliDox is now compatible with the external filter plate
- Bluetooth as standard for connection in to the Safety Suite Device Configurator App

PART NO.	DESCRIPTION
C00-1918	HONEYWELL BW ICON + 4 GAS DETECTOR H2S CO O2 & LEL

A) BW MAINS CHARGER 240 VOLT

Mains charger for the Honeywell BW GasAlert MicroClip XT, X3 and Quattro portable multi-gas detectors.

B) BW CAR / VAN CHARGER 12 / 24 VOLT

In car charger for BW portable multi-gas detectors.

C) USB CHARGER CABLE FOR BW ICON / ICON+ GDUS

The BW USB charger cable is perfect for charging your BW Icon and Icon+ multi gas detectors on the go, reducing any downtime.

Manufacturer's Part Number: CP-USB.

D) 5 WAY CRADLE CHARGER FOR ICON & FLEX GDUS

5-way charger solution perfect for fleet management and the multi charging of BW Icon and Icon+ gas detectors ensuring your team's monitors are always fully charged.

Manufacturer's part number: CP-C01-5.

E) 5 WAY MULTI CHARGE POWER ADAPTOR FOR ICON+ GDU

Simultaneously charge up to five detectors or batteries with the multi-unit power adaptor.

Simply attach the detector or battery through the charging and IR communications port and wait for the battery icon on the LCD to show that the battery is fully charged or the LED on the battery to turn green.

Manufacturer's part number: GA-PA-1-MC5-UK.

PART NO.	DESCRIPTION
C00-4181	A) BW MAINS CHARGER 240 VOLT
S83-3478	B) BW CAR / VAN CHARGER 12 / 24 VOLT
C00-5996	C) USB CHARGER CABLE FOR BW ICON / ICON+ GDUS
C00-5992	D) 5 WAY CRADLE CHARGER FOR ICON & FLEX GDUS
C00-5995	E) 5 WAY MULTI CHARGE POWER ADAPTOR FOR ICON+ GDU

PPE & SAFETY EQUIPMENT

A) INTELLIDOX DOCKING STATION FOR ICON & FLEX GDUS

The IntelliDoX system combines smart docking modules and device management software to provide automated instrument management for compatible detectors, helping you drive productivity, reliability and efficiency.

Fast instrument management and enhanced productivity.

IntelliDoX is easy to install, taking under 2 minutes from setup of a five-module dock to the bump of your first instrument. Each module has its own operating system, LCD screen and internal pump allowing you to perform more than one operation at the same time. Whether you want to bump three detectors or calibrate others – you can get more done in less time.

Flexible configuration to meet changing needs. Configure the low and high alarm set points – plus other detector parameters – throughout the lifespan of the detector. So you can rely on your detector to always work the way you want it to.

B) INTELLIDOX DOCKING STATION COMPLETE KIT FOR ICON & FLEX GDUS

Complete Intellidox Docking Station Kit for Icon+ Series gas monitors comprising:

• IntelliDoX Docking Station for Icon+ Series
• IntelliDoX Enabler Kit UK
• Demand Flow Regulator REG-DF-1
• BW Calibration Gas - 58 Litre - Quad Gas - UN1956

C) INTELLIDOX ENABLER KIT UK

The DX-ENBL-UK BW IntelliDoX enabler kit includes a power supply with UK AC power cord, ethernet cable, inlet (purge) filter assembly, 3 ft. / 1 m calibration gas tubing, 3 ft. / 1 m purge gas tubing, 15 ft. / 4.5 m exhaust tubing and quick connect fittings.

*Note: One IntelliDoX enabler kit is required for each docking system. Each docking system can support up to 5 IntelliDoX modules.

PART NO.	DESCRIPTION
C00-5990	A) INTELLIDOX DOCKING STATION FOR ICON & FLEX GDUS
C00-5991	B) INTELLIDOX DOCKING STATION COMPLETE KIT FOR ICON & FLEX GDUS
C00-5974	C) INTELLIDOX ENABLER KIT UK

BW CALIBRATION GAS - 58 LITRE - QUAD GAS - UN1956

BW Analytics 58 litre Calibration Gas comprising:

• 100ppm CO, 25ppm H2S, 2.2% CH4, 18% O2, balance N
• 18% Oxygen
• 2.2% Methane(50% LEL)
• 25 ppm Hydrogen Sulphide
• 100 ppm Carbon Monoxide
• Balance Nitrogen
• UN1956

Cylinder disposal:
Contact your local Council/Environmental Health for advice on disposal. Empty Cylinders can be returned to Mills Limited however these will still be classed as dangerous goods therefore you must inform the Courier (Shipping costs may well be prohibitive). A Bottle Striker CG-RK-1 is available which will render the cylinder safe and allow disposal in general waste/recycling.

Ref: 4Ga18X22W25H100-5

REPLACES C00-4183

PART NO.	DESCRIPTION
C00-5183	BW CALIBRATION GAS - 58 LITRE - QUAD GAS - UN1956

DEMAND FLOW REGULATOR REG-DF-1

The REG-DF-1 is a C-10 (male thread) demand flow regulator from Honeywell Analytics with a maximum output capacity of 3 litres per minute, so it can be used to calibrate up to 8 docking modules simultaneously.

* Do not connect more than 4 docking modules to a single calibration cylinder.

PART NO.	DESCRIPTION
C00-5975	DEMAND FLOW REGULATOR REG-DF-1

BELT SAFETY 11

The Ridgegear specialist harness kit is designed for the telephone utilities, and comprises;

- S83-3185 RGH11 Multipurpose Harness tested to BSEN 358 and 361
- S50-0656 RGP11 Work Positioning Belt
- S50-0657 RGL11 Full Arrest Lanyard

Available in Small (A), Medium (B), Large (C) and Extra Large (D)

PART NO.	DESCRIPTION	WAIST	CHEST
S83-0887	BELT SAFETY 11 'A' (SMALL) - COMPLETE KIT	<31"	<35"
S83-0888	BELT SAFETY 11 'B' (MEDIUM) - COMPLETE KIT	29"-38"	33"-42"
S83-0889	BELT SAFETY 11 'C' (LARGE) - COMPLETE KIT	36"-45"	40"-49"
S83-0890	BELT SAFETY 11 'D' (XL) - COMPLETE KIT	>45"	>49"

RidgeGear

RIDGEGEAR RGHK5 MEWP RESTRAINT KIT

The MEWP Restraint Kit comes with a two point safety harness and an adjustable work restraint safety lanyard ensuring users are safe whilst working in cherry pickers.

Accredited to:
EN 361:2002, EN 354:2010

Kit Contains:

RGH2 front and rear D harness, RGL12 1.5m adjustable restraint lanyard with 2 x attached RGK1 karabiners.

Available in 4 sizes.

PART NO.	DESCRIPTION
S83-1038	RIDGEGEAR RGHK5 MEWP RESTRAINT KIT - SMALL
S83-1039	RIDGEGEAR RGHK5 MEWP RESTRAINT KIT - STANDARD
S83-1040	RIDGEGEAR RGHK5 MEWP RESTRAINT KIT - LARGE
S83-1041	RIDGEGEAR RGHK5 MEWP RESTRAINT KIT - XL

RIDGEGEAR RGHK2 SCAFFOLDER'S KIT

The Scaffolder's Kit comes complete with a two point harness and single fall arrest lanyard enabling work to take place at an open edge or ungated ladder hatch.

The lanyard comes attached with a scaffold hook which is designed for simple connection to scaffolding and other steel structures. Accredited to: EN 361:2002, EN 355:2002.

Kit Contains:

RGH2 front and rear D harness, RGL1 1.8m single leg webbing lanyard & shock absorber with 1 x attached RGK1 karabiner and 1 x attached RGK11 scaffold hook.

Available in 4 sizes.

PART NO.	DESCRIPTION
S83-1050	RIDGEGEAR RGHK2 SCAFFOLDER'S KIT - SMALL
S83-1051	RIDGEGEAR RGHK2 SCAFFOLDER'S KIT - STANDARD
S83-1052	RIDGEGEAR RGHK2 SCAFFOLDER'S KIT - LARGE
S83-1053	RIDGEGEAR RGHK2 SCAFFOLDER'S KIT - XL

RIDGEGEAR RGHK11 SINGLE LEG BIGGUY KIT

The RidgeGear BigGuy Single Leg Kit comes complete with a two point safety harness and a single leg fall arrest safety lanyard. The lanyard is suitable for a user weight of up to 140kg. The combination allows work to take place at an open edge or un-gated ladder hatch. The lanyard comes attached with an ANSI approved scaffold hook which has a stronger gate. The hook is designed for simple connection to scaffolding and other steel structures. Accredited to: EN 361:2002, EN 355:2002

Kit Contents:

RGH2 Big Guy front and rear D harness.
RGL1 Big Guy single leg webbing lanyard & shock absorber with 1 x attached RGK1 karabiner and 1 x attached RGK88 scaffold hook.
Front & rear attachment points
Lightweight. Rip stitch fall indicators.
Full adjustable (Easy slide shoulder adjusters)

Specifications:

Accredited to: EN 361:2002
Web material: 45mm water repellent polyester
Fittings: High tensile steel alloy
Available in 4 sizes

PART NO.	DESCRIPTION
S00-0663	RIDGEGEAR RGHK11 SINGLE LEG BIGGUY KIT - LARGE
S00-0664	RIDGEGEAR RGHK11 SINGLE LEG BIGGUY KIT - XL

RIDGEGEAR RGHK12 TWIN LEG BIGGUY KIT

This BigGuy Double Leg Kit comes complete with a two point safety harness and a twin leg fall arrest safety lanyard. The lanyard is suitable for a user weight of up to 140kg. The combination allows work to take place at an open edge or un-gated ladder hatch. This version comes with two ANSI approved scaffold hooks meaning it is ideal for clipping to scaffolding or other steel structures. The twin leg feature allows operatives to move between fixed anchor points through means of double clipping.

Accredited to: EN 361:2002, EN 355:2002.

Kit Contains:

RGH2 Big Guy front and rear D harness
RGL3 Big Guy twin leg webbing lanyard & shock absorber with 1 x attached RGK1 karabiner and 2 x attached RGK88 scaffold hooks.

PART NO.	DESCRIPTION
S00-0665	RIDGEGEAR RGHK12 TWIN LEG BIGGUY KIT - LARGE
S00-0666	RIDGEGEAR RGHK12 TWIN LEG BIGGUY KIT - XL

Mills EST. 1919

A) HEIGHTEC WK11 RIGGER'S TOWER CLIMBING KIT

The Riggers Tower Climbing kit is a versatile combination of equipment which allows for work positioning and fall arrest. It can be readily integrated into systems for rope access, rescue and evacuation.

The multi-functional MATRIX rope access/rigging harness features ergonomically designed shoulder, waist and leg pads for greater user comfort. Articulating front waist connection increases comfort when working particularly when not suspended.

Core components:
DUON-Air helmet EN 12492
MATRIX full body harness with side D's and Q/C legs
ELITE twin lanyard 1.25m
PIRANHA adjuster for positioning or restraint 2m
Durable 30L KARI 30 (WLL 18kg)

All work kits come complete with the versatile KARI transport bag (B30 – WLL 18kg). Available in standard and large sizes.

B) HEIGHTEC WK112 RIGGER'S TOWER CLIMBING KIT NEON

The Riggers Tower Climbing kit is a versatile combination of equipment which allows for work positioning and fall arrest.

The NEON harness structure ensures good fit with maximum comfort and security. Chest rings and articulated hip section with floating belt attachment aligns the webbing to for optimum fit and freedom of movement.

Core components:
DUON-Air helmet EN 12492
NEON full body rigger's harness
ELITE twin lanyard 1.25 m
PIRANHA adjuster for positioning or restraint 2 m
Durable 30L KARI 30 (WLL 18 kg)
Durable 30L KARI 30 (WLL 18kg)

Available in standard and large sizes.
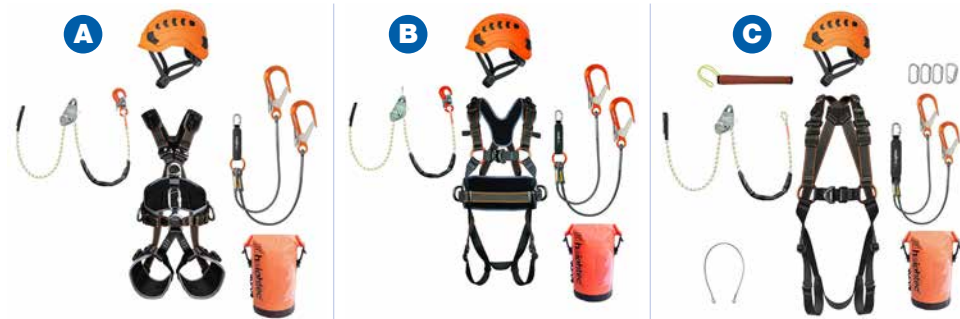
C) HEIGHTEC WK04 ROOF WORK KIT

This kit allows users to use work restraint to protect themselves, which is preferred in the hierarchy to fall arrest. However, the key components are ALSO certified for fall arrest. Lightweight components allow users to move freely whilst remaining secure, therefore maximising efficiency.

Kit includes:
- Nexus 2 point fall arrest harness x 1
- Adjustable anchor line 20m x 1
- Mantle canvas rope protector 0.5m x 1
- Steel sling 2m x 1
- Protected nylon sling 30cm x 1
- TENSOR twin energy absorbing lanyard 1.25m x 1
- Screwgate karabiner x 3
- Twistlock karabiner x 1
- Kit bag 30L 18kg WLL

PART NO.	DESCRIPTION
S00-0840	A) HEIGHTEC WK11 RIGGER'S TOWER CLIMBING KIT - STANDARD
S00-0841	A) HEIGHTEC WK11L RIGGER'S TOWER CLIMBING KIT - LARGE
S83-1111	B) HEIGHTEC WK112 RIGGER'S TOWER CLIMBING KIT NEON - STANDARD
S83-1112	B) HEIGHTEC WK112L RIGGER'S TOWER CLIMBING KIT NEON - LARGE
S00-0849	C) HEIGHTEC WK04 ROOF WORK KIT

LADDER SAFETY KIT - MEDIUM / LARGE

Ladder Safety Kit used extensively by the Solar, Satellite & Aerial Industry.

Provides a safe system of work at height for aerial & satellite dish installers that maintains the balance between speed and safe practice. This safe system of work has been accepted by the HSE as 'Best Practice' and can be adopted by a wide range of trades people that work from ladders.

Comprising: 2 Point Full Body Harness. 1 x 10 Metre x 11mm diameter Kernmantle Rope c/w Manucroche Hook. Rope Grab & Karabiner. Cowstail Webbing Strop. Pair Ladder Tensioning Straps. Pair Removeable Ladder Ties. Kit Bag.

Harness Features: Front & Rear attachment point, Leg strap adjustment, shoulder adjustment. Size: Medium / Large. Accreditation: BS EN 361. Webbing: Polyester. Fittings: Zinc plated steel. Weight: 1.2kg

PART NO.	DESCRIPTION
S00-1800	LADDER SAFETY KIT - MEDIUM / LARGE
S00-1801	LADDER SAFETY KIT - EXTRA LARGE

ROOF LADDER SAFETY KIT MEDIUM / LARGE

Roof Ladder Safety Kit used extensively by the Satellite & Aerial Industry.

Comprises:
- 2 Point Full Body Harness
- 1 x 8 Mtr & 1 x 10 Mtr x 11mm Dia Kernmantle Rope c/w Manucroche Hook
- SKR Rope Grab & Karabiner
- Cowstail Webbing Strop
- Pair Ladder Tensioning Straps / Ladder Secure Strap
- Pair Removeable Ladder Ties
- Kit Bag
- Harness Features:
- Front & Rear attachment point, leg strap adjustment, shoulder adjustment
- Accreditation: BS EN 361
- Webbing: Polyester
- Fittings: Zinc plated steel

PART NO.	DESCRIPTION
S00-8002	ROOF LADDER SAFETY KIT MEDIUM / LARGE
S00-8003	ROOF LADDER SAFETY KIT XL

RIDGEGEAR RGH11 SAFETY HARNESS

Multi purpose harness for most applications and features a twin layer moulded water repellent back pad support, incorporating internal cushioning and ribbing for extra comfort and sturdy spinal support.

- Front and rear Ds for fall arrest and rescue
- Work positioning side 'D's allow for hands free working
- New design of front chest 'D' mounted on O rings
- Curved stainless steel leg adjusters
- Specially angled 75mm wide sit strap

Available in 4 sizes.

PART NO.	DESCRIPTION
S83-3185	RIDGEGEAR RGH11 SAFETY HARNESS - SMALL
S83-4034	RIDGEGEAR RGH11 SAFETY HARNESS - MEDIUM
S83-4035	RIDGEGEAR RGH11 SAFETY HARNESS - LARGE
S83-4036	RIDGEGEAR RGH11 SAFETY HARNESS - EXTRA LARGE

RIDGEGEAR RGH2 FULL BODY HARNESS

The RGH2 Full Body Harness is the workhorse of the industry. The harness is fitted with a Rear D Ring and a chest mounted Front D Ring.

The harness is fully adjustable and is fitted with rip stitch indicators.

The ring connection between the chest & the shoulder straps, ensure no stress loading when force is applied to the Front D Ring.

- Fitted with a Rear D Ring and a chest mounted Front D Ring
- Fully adjustable and is fitted with rip stitch indicators
- EN:361 45mm water repellent polyester

In the interests of safety, this item is non-returnable and non-refundable (unless faulty).

PART NO.	DESCRIPTION
S00-0660/S	RIDGEGEAR RGH2 FULL BODY HARNESS - SMALL
S00-0660/M	RIDGEGEAR RGH2 FULL BODY HARNESS - MEDIUM
S00-0660/L	RIDGEGEAR RGH2 FULL BODY HARNESS - LARGE
S00-0660/XL	RIDGEGEAR RGH2 FULL BODY HARNESS - EXTRA LARGE

RIDGEGEAR RGH4 FULL BODY HARNESS

The RGH4 combines the basic fall arrest harness with a work positioning belt in one unit. This comfortable harness is designed for operatives who spend a lot of time working at height and in exposed areas.

- Fitted with a rear D and two side D rings mounted to the belt
- The wide belt adds comfort and provides lumbar support to the operative
- Belt is also fitted with three gear loops
- Good load bearing capacity
- Fully adjustable
- Fitted with rip stitch indicators

PART NO.	DESCRIPTION
S00-0661/S	RIDGEGEAR RGH4 FULL BODY HARNESS SMALL
S00-0661/M	RIDGEGEAR RGH4 FULL BODY HARNESS MEDIUM
S00-0661/L	RIDGEGEAR RGH4 FULL BODY HARNESS LARGE
S00-0661/XL	RIDGEGEAR RGH4 FULL BODY HARNESS EXTRA LARGE

RIDGEGEAR RGH16 MULTITASK COMFORT HARNESS

AThis five point harness comes with the usual front and rear attachment points, but also comes with the added extras of a two point work positioning belt and central connection point.

- Front, rear, side & ventral attachment points
- Waist, leg & shoulder support pads
- Rip stitch fall indicators
- Adjustable fast fit buckles on leg and front chest straps
- Tool loops
- Double front waist adjustment
- Rear waist adjuster for repositioning of side D rings
- Tail tidies

Accredited to: EN 361:2002, EN 358:2018, EN 813:2008 (approved to maximum user weight of 140kg).

Available in 2 sizes.

PART NO.	DESCRIPTION
S83-1045	RGH16 MULTITASK COMFORT HARNESS - STANDARD
S83-1046	RGH16 MULTITASK COMFORT HARNESS - LARGE

RIDGEGEAR RGH15 WORK POSITIONING COMFORT HARNESS

Work positioning safety harness is perfect for lengthy, hands free tasks, due to its lumbar supporting work positioning belt.

- Front, rear, & side attachment points
- Waist, leg & shoulder support pads
- Rip stitch fall indicators
- Adjustable fast fit buckles on leg and front chest straps
- Tool loops
- Double front waist adjustment
- Rear waist adjuster for repositioning of side D rings
- Accredited to: EN 361:2002, EN 358:2018

Available in 2 sizes.

PART NO.	DESCRIPTION
S83-1043	RGH15 WORK POSITIONING COMFORT HARNESS - STANDARD
S83-1044	RGH15 WORK POSITIONING COMFORT HARNESS - LARGE

RIDGEGEAR RGH5 RESCUE SAFETY HARNESS

The RGH5 is designed for use as a confined access harness. When used, the rescue strap keeps the operative in a near vertical position, which is preferred when recovering an unconscious casualty.

The front and rear attachment points can be used as standard fall arrest points.

The rescue strap can be used for lifting and lowering, and also be used in certain fall arrest situations.

The addition of a flexible rear D pad provides additional comfort. Tail tidies allow for convenient and neat storage of excess webbing following adjustment .

PART NO.	DESCRIPTION
S00-4021/S	RGH5 RESCUE SAFETY HARNESS - SMALL
S00-4021/M	RGH5 RESCUE SAFETY HARNESS - MEDIUM
S00-4021/L	RGH5 RESCUE SAFETY HARNESS - LARGE
S00-4021/XL	RGH5 RESCUE SAFETY HARNESS - EXTRA LARGE

PPE & SAFETY EQUIPMENT

A) HEIGHTEC H28Q NEON RIGGER'S QUICK CONNECT HARNESS

Premium multi-adjustable fall arrest and work positioning harness for tower climbing and rigging. The NEON rigger's harness is a full body harness that's designed to a high specification, giving riggers maximum comfort and security while working.

Features: • Chest rings for comfort and freedom of movement • Large lumbar support pad • Quick connect leg, chest and waist buckles • Durable polyester webbing • Shoulder padding • Integral lanyard parking points.

Sizes available:
- H28Q NEON, quick connect, standard – Torso 80-120 cm. Waist 75 – 155 cm. Thigh 65 – 95 cm
- H28QL NEON, quick connect, large – Torso 95-135 cm. Waist 95 – 160 cm. Thigh 65 – 120 cm

B) HEIGHTEC H21Q MATRIX QUICK CONNECT RIGGING HARNESS

Fast connect rope access and rigging harness with ergonomically designed shoulder, waist and leg pads for greater user comfort. Multi-functional harness developed for rope access and rigging but suitable for all work at height.

Features: • Adjustable and releasable padded shoulder straps • Large front ring • Integral delta screwlink for chest ascender • Articulated waist section for freedom of movement • Shoulder, waist and leg pads • Integral delta screwlink for fitting a chest ascender • Folding side D-rings • Multiple tool and accessory attachments • Quick connect leg buckles.

Sizes available:
- H21Q MATRIX quick connect – Torso 65 – 90 cm. Thigh 60 – 80 cm. Waist 70 – 140 cm
- H21QL MATRIX quick connect large – Torso 80 – 105 cm. Thigh 60 – 100 cm. Waist 85 – 165 cm

C) HEIGHTEC H11 PHOENIX PROFESSIONAL STANDARD CONNECT RESCUE HARNESS

Rescue harness designed for industrial and fire rescue teams working in confined space, vertical rescue and fall arrest. Suitable for use with back-mounted breathing apparatus.

Features: • Quick and easy to fit • Highly durable and comfortable to wear • Integral back panel • Semi-circular screwlink front attachment point • High rear attachment point • Protected leg loops • Adjustable locking side buckles • Captive buckles with large tabs • Low profile accessory loop at shoulder.

Sizes available:
- H11 PHOENIX, standard – Torso 75 – 125 cm. Thigh 65 – 110 cm
- H11L PHOENIX , large – Torso 75 – 145 cm. Thigh 65 – 145 cm

PART NO.	DESCRIPTION
S83-1081	A) HEIGHTEC H28Q NEON RIGGER'S QUICK CONNECT HARNESS - STANDARD
S83-1082	A) HEIGHTEC H28QL NEON RIGGER'S QUICK CONNECT HARNESS - LARGE
S83-1123	B) HEIGHTEC H21Q MATRIX QUICK CONNECT RIGGING HARNESS - STANDARD
S83-1124	B) HEIGHTEC H21QL MATRIX QUICK CONNECT RIGGING HARNESS - LARGE
S83-1121	C) HEIGHTEC H11 PHOENIX PROFESSIONAL STANDARD CONNECT RESCUE HARNESS - STANDARD
S83-1122	C) HEIGHTEC H11L PHOENIX PROFESSIONAL STANDARD CONNECT RESCUE HARNESS - LARGE

A) RIDGEGEAR RGK1 SCREW GATE KARABINER

The RGK2 is an extremely safe karabiner to use, as it takes user intervention out by locking automatically.

Material: Steel Gate
Opening mm: 17.
Size mm: 108 x 58.
Closure Type: Twistlock.
MBS: 25kN.
Weight: 197g

In the interests of safety, this item is non-returnable and non-refundable (unless faulty)

B) RIDGEGEAR RGK2 TWIST LOCK KARABINER

The RGK2 is an extremely safe karabiner to use, as it takes user intervention out by locking automatically.

Material: Steel Gate
Opening mm: 17.
Size mm: 108 x 58.
Closure Type: Twistlock.
MBS: 25kN.
Weight: 197g

C) RIDGEGEAR RGK56 PARKING LOOP

Parking loop designed to fit onto the shoulder strap of the harness. Once fitted, the karabiner is connected directly to the loop for safe stowage.

The loop also prevents lanyards from trailing on the floor and creating a trip hazard.

PART NO.	DESCRIPTION
S00-0679	A) RIDGEGEAR RGK1 SCREW GATE KARABINER
S00-0680	B) RIDGEGEAR RGK2 TWIST LOCK KARABINER
S00-4318	C) RIDGEGEAR RGK56 PARKING LOOP

A) HEIGHTEC CKS0 CONTRACT STEEL OVAL SCREWGATE KARABINER

CONTRACT Steel oval screwgate karabiner. Compatible with virtually all pulley systems. Steel body with aluminium barrel. 22 mm gate opening. Used in all work at height and rescue.

*Will not lock up under load (unlike other economy models the gate is designed so that the screw barrel will not jam against the nose when the karabiner is loaded).

B) HEIGHTEC CKA5 ALTO ALLOY OVAL TRI-ACT KARABINER

A multi-purpose, lightweight karabiner with triple locking action. The karabiner orientates to the optimal working axis when loaded. Oval shape provides exceptional strength to weight ratio. 19 mm gate opening.

C) ASTRA OFFSET TWISTLOCK CAPTIVE STEEL KARABINER

Twistlock captive karabiner with 20 mm gate clearance with a captive

bar. 45 kN major axis. Safe, fast connection with auto locking gate closure and allows one handed operation. Good gate opening 22 mm. Supplied with separate captive bar which can be fitted by the user if required. The captive bar is used to fix the karabiner to the rope etc. to prevent loss or disassembly. It also keeps the loading close to the spine (thus reducing any loss in strength). Zinc plated for strength and corrosion resistance.

PART NO.	DESCRIPTION
S83-1075	A) HEIGHTEC CKS0 CONTRACT STEEL OVAL SCREWGATE KARABINER
S83-1076	B) HEIGHTEC CKA5 ALTO ALLOY OVAL TRI-ACT KARABINER
S83-1074	C) HEIGHTEC CKS3 ASTRA OFFSET TWISTLOCK CAPTIVE STEEL KARABINER

A) RIDGEGEAR RGL11 FALL ARREST LANYARD

Fall arrest lanyard, used in Belt Safety No11, and comprising a 50mm web shock absorber and 1.7m of 12m integral kernmantel rope lanyard, tested to BSEN355.

B) RIDGEGEAR RGL1 LANYARD WEBBING

The RGL1 is supplied in two standard lengths: 1.3m and 1.8m. The RGL1 lanyard is an industry standard, and normally the minimum equipment issued with a harness for working at height. In the interests of safety, this item is non-returnable and non-refundable (unless faulty).

C) RIDGEGEAR RGL1 BIGGUY SINGLE LEG LANYARD 1.4M

Single Leg Webbing Lanyard & Shock Absorber tested and approved for a user weight up to 140kg. The RGL1 Big Guy is supplied with a length of 1.4m including hooks/karabiners.

D) RIDGEGEAR RGL3 LANYARD 1.3M TWIN LEG WEBBING

The RGL3 is supplied in two standard lengths, 1.3m and 1.8m. The RGL3 is a twin leg lanyard.

E) RIDGEGEAR RGL3 BIGGUY TWIN LEG LANYARD 1.4M

Twin Leg Webbing Lanyard & Shock Absorber tested and approved for a user weight up to 140kg. The RGL3 BigGuy is supplied at a length of 1.4m including hooks/karabiners.

F) RIDGEGEAR RGL6 LANYARD ELASTICATED WEBBING 1.8M

A general-purpose lanyard used when the operative is working from a static position connected to a fixed anchor point. 1.8m in length.

G) RIDGEGEAR RGL2 BIGGUY SINGLE LEG ROPE LANYARD 1.4M

Single Leg Webbing Lanyard & Shock Absorber tested and approved for a user weight up to 140kg. The RGL2 Big Guy is supplied with a length of 1.4m including hooks/karabiners.

PART NO.	DESCRIPTION
S50-0657	A) RIDGEGEAR RGL11 FALL ARREST LANYARD
S00-0662	B) RIDGEGEAR RGL1 LANYARD 1.3M WEBBING
S00-3497	B) RIDGEGEAR RGL1 LANYARD 1.8M WEBBING
S83-1026	C) RIDGEGEAR RGL1 BIGGUY SINGLE LEG LANYARD 1.4M

PART NO.	DESCRIPTION
S00-3498	D) RIDGEGEAR RGL3 LANYARD 1.3M TWIN LEG WEBBING
S00-3499	D) RIDGEGEAR RGL3 LANYARD 1.8M TWIN LEG WEBBING
S83-1022	E) RIDGEGEAR RGL3 BIGGUY TWIN LEG LANYARD 1.4M
S00-3619	F) RIDGEGEAR RGL6 LANYARD ELASTICATED WEBBING 1.8M
S83-0895	G) RIDGEGEAR RGL2 BIGGUY SINGLE LEG ROPE LANYARD 1.4M

A) RIDGEGEAR RGL12 SINGLE LEG ADJUSTABLE RESTRAINT LANYARD 1.5M

A single leg adjustable work restraint safety lanyard which works as a leash for operatives working at height. Accredited to: EN 354:2010. Length: 0.89m - 1.5m. Material: 26mm water repellent polyester. Max Arrest Force: Restraint only - not to be used as fall arrest.

B) RIDGEGEAR RGL14 TWIN LEG WEBBING RESTRAINT LANYARD 1.3M

This twin leg work restraint safety lanyard is an industry standard.
Specifications: Accredited to: EN 354:2010. Length: 1.3m. Material: 26mm water repellent polyester. Max Arrest Force: Restraint only - not to be used as fall arrest.

C) RIDGEGEAR RGP11 WORK POSITIONING BELT

Restrain Belt used in Belt Safety 11 for fixing in position at height and tested to BSEN355.

D) RIDGEGEAR RGL31 LADDER RESTRAINT LANYARD

This short lanyard has been specifically designed for ladder restraint when a shorter lanyard is required. The two attachments points can be used to adjust the length between the operator and the ladder when climbing. Lengths: 0.56m, can be reduced to 0.44m. Restraint only - not to be used as fall arrest.

E) RIDGEGEAR RGP1 FINCH WORK POSITIONING / ADJUSTABLE RESTRAINT LANYARD

The RGP1 Finch can be used for work positioning by clipping onto both side D rings located on a work positioning belt and wrapping around a suitable structure, or as an adjustable restraint lanyard to prevent the user from entering the risk of a fall situation.
Material: 11mm kernmantle nylon rope. **Fittings:** Double action snap hook, Screwgate karabiner, Adjuster, All aluminium alloy
Max User Weight: 100kg
Also available in 5 and 10 metre lengths.

PART NO.	DESCRIPTION
S83-1028	A) RIDGEGEAR RGL12 SINGLE LEG ADJUSTABLE RESTRAINT LANYARD 1.5M
S83-1027	B) RIDGEGEAR RGL14 TWIN LEG WEBBING RESTRAINT LANYARD 1.3M
S50-0656	C) RIDGEGEAR RGP11 WORK POSITIONING BELT
S00-1930	D) RIDGEGEAR RGL31 LADDER RESTRAINT LANYARD
S00-3623	E) RIDGEGEAR RGP1 FINCH WORK POSITIONING / ADJUSTABLE RESTRAINT LANYARD

HEIGHTEC PIRANHA ADJUSTABLE LANYARD WITH SAFETY HOOK & SCREWLINK

PIRANHA adjustable lanyard with safety hook connector is a compact device used for work positioning on masts, towers, pylons or other lattice structures in the telecoms, power and entertainment industries.

The Piranha adjustable lanyard has a gradual action and can be accurately controlled with one hand – for both taking in and paying out.

Lengths available: 2m, 3m, 5m.

PART NO.	DESCRIPTION
S83-1094	HEIGHTEC LA02H PIRANHA ADJUSTABLE LANYARD WITH SAFETY HOOK & SCREWLINK 2M
S83-1095	HEIGHTEC LA03H PIRANHA ADJUSTABLE LANYARD WITH SAFETY HOOK & SCREWLINK 3M
S83-1096	HEIGHTEC LA05H PIRANHA ADJUSTABLE LANYARD WITH SAFETY HOOK & SCREWLINK 5M

HEIGHTEC LA02T PIRANHA ADJUSTABLE LANYARD – TWISTLOCK, TRIPLE ACTION 2M

The PIRANHA adjustable 2M lanyard is a compact device used for work positioning on masts, towers, pylons or other lattice structures in the telecoms, power and entertainment industries.

Includes 2m x 11 mm diameter UV stabilised high strength TECTRA rope complete with abrasion protection, sewn terminations and safety hook termination. Meets the requirements of EN795 type B.

LA02T 2m, twistlock triple action
– complies with Siemens PPE requirements PRO-13838 Ap1.

PART NO.	DESCRIPTION
S83-1097	HEIGHTEC LA02T PIRANHA ADJUSTABLE LANYARD – TWISTLOCK, TRIPLE ACTION 2M

HEIGHTEC L2M125S ELITE TWIN LANYARD – OVAL SCAFF HOOK

Twin energy absorbing fall arrest lanyards with scaffold hooks for continuous attachment.

Absorber will not deploy at force less than 200 kg. Minimum strength 1500 kg after deployment.

Large central ring provides parking point for unused leg and prevents issues caused by 3 way loading.

Available lengths:
1.25 m 1.50 m, 1.60 m 1.75 m

PART NO.	DESCRIPTION
S83-1086	HEIGHTEC L2M125S ELITE TWIN LANYARD – OVAL SCAFF HOOK 1.25M
S83-1087	HEIGHTEC L2M150S ELITE TWIN LANYARD – OVAL SCAFF HOOK 1.50M
S83-1088	HEIGHTEC L2M160S ELITE TWIN LANYARD – OVAL SCAFF HOOK 1.60M
S83-1089	HEIGHTEC L2M175S ELITE TWIN LANYARD – OVAL SCAFF HOOK 1.75M

HEIGHTEC L2T125S ELITE TWIN LANYARD – TRI-ACT SCAFF HOOK

Twin lanyard with triple action karabiner, scaffold hooks and energy absorber with built-in suspension intolerance relief footloop.

Allows continuous connection to a ladder or structure when climbing masts and towers. With tri-act and scaffold hook terminations.

Every lanyard is individually numbered. Heightec do not recommend attaching lanyards to harnesses with standard oval or offset D karabiners.

Lengths available: 1.25 m, 1.5 m, 1.6 m, 1.75 m.

PART NO.	DESCRIPTION
S83-1090	HEIGHTEC L2T125S ELITE TWIN LANYARD – TRI-ACT SCAFF HOOK 1.25M
S83-1091	HEIGHTEC L2T150S ELITE TWIN LANYARD – TRI-ACT SCAFF HOOK 1.5M
S83-1092	HEIGHTEC L2T160S ELITE TWIN LANYARD – TRI-ACT SCAFF HOOK 1.6M
S83-1093	HEIGHTEC L2T175S ELITE TWIN LANYARD – TRI-ACT SCAFF HOOK 1.75M

RIDGEGEAR RGA1 INERTIA REEL FALL ARREST BLOCK 2.5M

The RGA1 is a retractable mini web block ideal for personal issue to operatives working at height.

Specifications:
Accredited to: EN 360:2002
Line material: 47mm polyester
Case material: Steel with rubber protective cover
Connector: Steel screwgate karabiner
Swivel aluminium triple action karabiner
Max. user weight: 140kg
Max. force: <6kN
Weight: 1.4kg

PART NO.	DESCRIPTION
S83-1010	RIDGEGEAR RGA1 INERTIA REEL FALL ARREST BLOCK 2.5M

TEMPORARY FALL ARREST EYEBOLT 20MM

20mm diameter removable and re-usable fall arrest eyebolt for masonry.

Used extensively by the aerial & satellite / cavity wall insulation / reactive maintenance / central heating / telecoms industries for setting up temporary fall protection for flat roof work on domestic property flat roofs.

Specifications:
Material: Zinc plated steel / expanding rubber nut
Size: 20mm dia
Accreditation: Hanger plate EN 795

PART NO.	DESCRIPTION
S00-8006	TEMPORARY FALL ARREST EYEBOLT 20MM

RIDGEGEAR RGK26/1 ANCHORAGE SLING 1M

The RidgeGear girder sling is a quick and convenient way to attach fall arrest equipment to objects too large for a standard scaffold hook attachment method. The anchorage sling can also be used for attaching rescue equipment and secondary back up systems.

Specifications:
Accredited to: EN 795:2012, Type B
Length: 1m
Weight: 0.25kg
Material: Polyester cover and core
Minimum Breaking Strength: 70kN

PART NO.	DESCRIPTION
S83-1021	RIDGEGEAR RGK26/1 ANCHORAGE SLING 1M

RIDGEGEAR RGL4 WEBBING EXTENSION STROP

The RGL4 is used as an extension strop fitted to the rear D ring of a full body harness.

It features a sewn eye on the free end allowing the operative to independently connect themselves to a fall arrest block by extending the attachment point on the harness and bringing it into the field of vision.

Accredited to: EN 354:2010
Length: 0.45m
Material: 26mm water repellent polyester
Fitted with an RGK12 10mm Steel Screwgate Delta Link
Restraint only - not to be used as fall arrest
32kN webbing used in the manufacture provides greater strength compared to other webbing and systems.
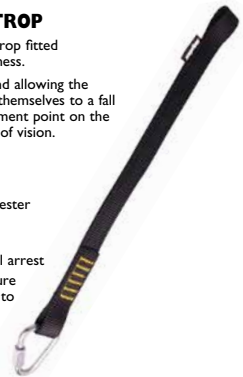
PART NO.	DESCRIPTION
S00-1929	RIDGEGEAR RGL4 WEBBING EXTENSION STROP

HEIGHTEC PROTECTED SEWN NYLON SLING

Heightec textile slings are temporary anchorage devices designed to protect against falls from height.

Sewn circular protected nylon sling. The high visibility colour protective sleeve is stitched at one end to prevent loss, but can be pulled back to allow inspection.
Available lengths: 30 cm, 60 cm, 120 cm & 240 cm lengths.

PART NO.	DESCRIPTION
S83-1107	HEIGHTEC S25N030P PROTECTED SEWN NYLON SLING - 25MM X 0.3M
S83-1108	HEIGHTEC S25N060P PROTECTED SEWN NYLON SLING - 25MM X 0.6M
S83-1109	HEIGHTEC S25N120P PROTECTED SEWN NYLON SLING - 25MM X 1.2M
S83-1110	HEIGHTEC S25N240P PROTECTED SEWN NYLON SLING - 25MM X 2.4M

HEIGHTEC A050 STEEL ANCHOR STROP

Steel anchor strop with swaged eyes including stainless thimble.

Used to provide a durable and reliable temporary anchor connection for rescue systems and fall protection equipment where no fixed anchor points are available.
Lengths available:
0.5 m, 1 m, 1.5 m, 2 m.

PART NO.	DESCRIPTION
S83-1068	HEIGHTEC A050 STEEL ANCHOR STROP - 7MM X 0.5M
S83-1069	HEIGHTEC A100 STEEL ANCHOR STROP - 7MM X 1.0M
S83-1070	HEIGHTEC A150 STEEL ANCHOR STROP - 7MM X 1.5M
S83-1071	HEIGHTEC A200 STEEL ANCHOR STROP - 7MM X 2.0M

A) MICROTAG INSERT HOLDER KIT - 20X MICROTAG HOLDERS, 40X 150MM CABLE TIES, 1X PEN

MicroTag® holders and tag inserts are a safety system designed to identify small plant, equipment, lifting gear and safety harnesses. Preprinted empty tag holders alert employees not to use equipment; tag inserts track inspection history and provide other critical information. System provides a clear inspection trail giving integrity and control of work carried out. Used in combination with C28-0482 Microtag Insert Blue or C28-0483 Microtag Insert Green. Supplied in a pack of 20 complete with 40x 150mm cable ties and pen. Dimensions: 38 x 21mm. Protective barrel. Length: 50 metres. Weight: 11.6kg.

B-C) MICROTAG INSERTS

Microtag insert for use with C28-0844 Microtag Insert Holder Kit (20x Microtag Holders, 40x 150mm Cable Ties, 1x Pen). MicroTag® holders and tag inserts are a safety system designed to identify small plant, equipment, lifting gear and safety harnesses. Tag inserts track inspection history and provide other critical information. Safe Working Load, Next Inspection Date Due fields. Supplied in a pack of 20.

B) Microtag Insert Blue - Pack of 20
C) Microtag Insert Green - Pack of 20

PART NO.	DESCRIPTION
C28-0844	A) MICROTAG INSERT HOLDER KIT - 20X MICROTAG HOLDERS, 40X 150MM CABLE TIES, 1X PEN
C28-0482	B) MICROTAG INSERT BLUE - PACK OF 20
C28-0483	C) MICROTAG INSERT GREEN - PACK OF 20

PPE & SAFETY EQUIPMENT

RIDGEGEAR KERMANTLE ROPE 11MM X 10M WITH FITTED K11 SCAFFOLD HOOK

The RGRO11 11mm kernmantle rope provides vertical, or near vertical fall protection. It is fitted with a single spliced eye and heat-shrink cover.

It is a static rope that is highly abrasion resistant, low stretch, maximum strength, extremely durable and has a long service life.

This rope is has numerous uses it is suitable for rope access and work positioning. It can also be used for rescue work, guide work, expeditions and caving.

Supplied with a fitted K11 Scaffold Hook-Length 10M x 11mm diameter.

PART NO.	DESCRIPTION
S83-1020	RIDGEGEAR KERMANTLE ROPE 11MM X 10M WITH FITTED K11 SCAFFOLD HOOK

RIDGEGEAR RGA12 KERNMANTLE ROPE GRAB

The RGA12 is a kernmantle rope grab designed to provide vertical fall protection to operatives ascending/descending a ladder or structure.

This version of the rope grab is for use with the RGRO11 11mm kernmantle rope.

Features:
- Safety lock
- Use with 11mm kernmantle rope
- Lightweight

PART NO.	DESCRIPTION
S83-1029	RIDGEGEAR RGA12 KERNMANTLE ROPE GRAB

A) HEIGHTEC D40 PULSAR X-CAM HANDLED ASCENDER RIGHT HANDED

Right handed pope access handled ascender, incorporating X-Cam.

X-Cams will hold up to 200 kg on the broken sheath and rope cores.

Heightec X-Cam ascenders therefore significantly reduce the possibility of complete system failure by exerting a considerable hold on a rope after the sheath has broken.

B) HEIGHTEC D41 COMPACT BASIC ASCENDER - X-CAM

Ideal as spare ascender or use in hauling and rescue systems, incorporating X-Cam.

X-Cam has a more advanced tooth design than traditional cams and is more suitable for industrial applications as it does not pluck the rope, so reducing rate of rope wear.

Two attachment points allow cowstail and footloop to be connected separately which eliminates the need to open a loaded karabiner. With versatile upper attachment point allows use in hauling and rescue systems.

For use with 9 – 13mm diameter rope.

C) HEIGHTEC D26 QUANTUM ROPE ACCESS BACK UP DEVICE

The QUANTUM is a patented rope access back up device arrests a 2 person fall without damaging the rope. The unique cam grips the rope in two places (patented) preventing damage associated with the single loading point found on other devices.

The maximum lanyard length 0.45 m up to a fall factor of 2 or lanyard length 0.9 m which has up to a fall factor 1. Does not require additional energy absorber.

D) HEIGHTEC D431 HURRICANE ALLOY ROPE GRAB WITH PULLEY

Casualty recovery hauling device. Integral component of RescuePack casualty recovery systems. Allows pulley system to be created at any point along a kernmantel rope.

The X-Cam™ will continue to hold over 100 kg on a rope even in the extreme event of a sheath being ruptured. X-Cam™ design gives increased performance over traditional sharp tooth design.

E) HEIGHTEC P02 ALUMINIUM RESCUE PULLEY - ALLOY 5CM

Lightweight, compact swing cheek pulley for general or personal use. The 5 cm aluminium rescue pulley is a single sheave, rescue pulley. For use with 13 mm diameter or smaller rope.

PART NO.	DESCRIPTION
S83-1078	A) HEIGHTEC D40 PULSAR X-CAM HANDLED ASCENDER RIGHT HANDED
S83-1079	B) HEIGHTEC D41 COMPACT BASIC ASCENDER - X-CAM
S83-1077	C) HEIGHTEC D26 QUANTUM ROPE ACCESS BACK UP DEVICE
S83-1080	D) HEIGHTEC D431 HURRICANE ALLOY ROPE GRAB WITH PULLEY
S83-1106	E) HEIGHTEC P02 ALUMINIUM RESCUE PULLEY - ALLOY 5CM

A) RIDGEGEAR RGR1 STANDARD TRIPOD KIT

The RidgeGear RGR1/TRIPODKIT1 kit comes complete with a rescue tripod, rescue winch and tripod bracket.

RGR1 Rescue Tripod

The RGR1 Rescue SWL 200kg Tripod is portable, lightweight and is easy to erect on site. It has adjustable lower and middle legs at 80mm intervals to adapt and adjust to the most demanding surfaces and varying ground conditions.

Features:

- Portable and universally adjustable
- EN795 attachment points
- Packed length of 1.4m
- Safe working load of 200kg
- Footprint span of 1.0 - 1.8m

RGA4 Fall Arrest Block with Recovery Winch - 15m

The RGA4 is a three way retrieval block fitted with an up/down winch mechanism and the standard fall arrest capability. This unit can be used as a standard fall arrest block, but in the event of a fall the operative can be winched up or down to safety almost immediately.
Max User Weight: 140kg

RGA4B Tripod Bracket

The RGA4B tripod bracket allows for safe attachment of the 15m fall arrest block with recovery winch. A ball lock pin is included to fit the bracket and block to the rescue tripod.
Weight: 1.4kg.
Size: 340 x 90 x 165 (mm).

B) RIDGEGEAR RGR14 RIDGE RESCUE KIT - 20M

Essential when it comes to performing quick, effective recovery, the Ridge Rescue is the perfect solution for any rescues during work at height. It enables the raising or lowering of the casualty and no cutting is required.

Length: 20m. Weight: 6kg
Available 20m, 50m or 100m rope lengths

Kit Comprises:

- Rescue device (MRG9 Easy) with a choice of 20m, 50m or 100m rope and 2 x RGK2P karabiners
- Slingky - 2m anchorage sling with wear sleeve
- Rescue Pole
- Roll top weather-proof bag with carry straps

PART NO.	DESCRIPTION
S83-3854	A) RIDGEGEAR RGR1 STANDARD TRIPOD KIT
S83-1047	B) RIDGEGEAR RGR14 RIDGE RESCUE KIT - 20M
S83-1048	B) RIDGEGEAR RGR14 RIDGE RESCUE KIT - 50M
S83-1049	B) RIDGEGEAR RGR14 RIDGE RESCUE KIT - 100M

A) HEIGHTEC H41 X-IT RESCUE SLING

Heightec's X-IT rescue sling features dual configuration allows use as both underarm lifting sling and traditional nappy under seat. Support can be reconfigured mid rescue, even whilst casualty is suspended. Double action safety hook connectors can be operated while rescuer is wearing gloves.

Adjustable before or during use to a range of body sizes from large adult down to a child of 5 years.

B) HEIGHTEC MS01 CHRYSALIS RESCUE STRETCHER

The CHRYSALIS rescue stretcher can be used for both horizontal and vertical lifting for rescue from a wide range of confined, exposed or high locations.

The integral body harness conforms to the dynamic performance requirements of EN 361 (full body fall arrest harness; unique to the CHRYSALIS). With 125 kg mass.

The rescue stretcher has six patient restraint straps and an integral support stirrup of the stretcher enables vertical lifting from one lifting point.

Supplied with KARI 50 durable PVC storage bag.

C) HEIGHTEC WK33A TOWERPACK PRE-ASSEMBLED TOWER RESCUE SYSTEM

TowerPack Tower Rescue System to be used by trained persons to perform snatch or pick off rescues when a person has fallen or become unable to help themselves.

Core components:

- POWERLOCK rescue descender
- Tectra Rope 11 mm – terminated
- Sewn protected sling, 120 cm
- Safety shears with cord and pouch
- Karabiners
- KARI 30 transport bag,
  WLL 18 kg, 30 L with roll top closure.

Available in 50m and 100m lengths

PART NO.	DESCRIPTION
S83-1085	A) HEIGHTEC H41 X-IT RESCUE SLING
S83-1105	B) HEIGHTEC MS01 CHRYSALIS RESCUE STRETCHER
S83-1115	C) HEIGHTEC WK33A TOWERPACK PRE-ASSEMBLED TOWER RESCUE SYSTEM 50M
S83-1116	C) HEIGHTEC WK34A TOWERPACK PRE-ASSEMBLED TOWER RESCUE SYSTEM 100M

HEIGHTEC WK56 LIFTING AND LOWERING KIT
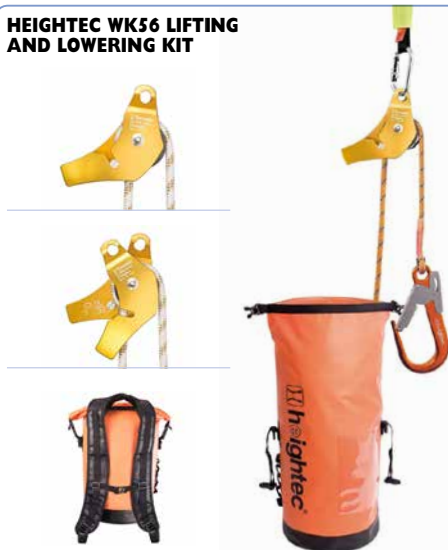
The lifting and lowering kit is designed to lift small loads and is ideally suited to the renewables, construction and telecoms industries.

The lifting and lowering kit comes complete with:

• TORNADO lifting device
• 11 mm diameter rope with sewn terminations for safety & strength
• Double locking large hook for ease of load attachment
• Durable, load rated 30L KARI transport bag (B30) with shoulder straps and roll top closure. (WLL 18kg)
• 60cm protected sling

• CONTRACT Screwgate steel oval karabiner to attach to anchor points
• TORNADO lifting device functions as a pulley when lifting for minimum friction. Provides friction for controlled lowering, simply tilt the device to lower.
• Comes complete with the versatile KARI transport bag (B30 – WLL 18kg). heightec's KARI bag range is tough, waterproof and suitable for storage and hauling. Designed specifically for work at height and rescue, the KARI transport bag brings all the features of traditional dry bags but with increased protection.

PART NO.	DESCRIPTION
S83-1120	HEIGHTEC WK56 LIFTING AND LOWERING KIT

HEIGHTEC ADVANCED LIFTING AND LOWERING KIT

The advanced lifting and lowering kit is designed to lift small loads and is ideally suited to the renewables, construction and telecoms industries. The PRISM rope control device provides a hands free locking function and can be changed from lift to lower whilst under load.

HURRICANE hauling device allows a pulley system to be added or removed quickly and easily. Unique, patented device available only from heightec. Additional pulley can be used for redirection or increasing mechanical advantage as required.

Comes complete with the versatile KARI 30 transport bag. Heightec's KARI bag range is tough, waterproof and suitable for storage and hauling. Designed specifically for work at height and rescue, the KARI transport bag range brings all the features of traditional dry bags but with increased protection.

The advanced lifting and lowering kit comes complete with:

• PRISM descender / rope control device
• Hurricane hauling device
• 50 mm pulley
• 11 mm diameter rope with sewn terminations for safety & strength
• Load rated KARI 30 bag
• 120cm protected sling x 2
• Triple action alloy karabiners x 3

Use 2 kits to produce a hauling system with tensioned pilot line.

Lengths available:
A) 50 m (WK55050)
B) 100 m (WK55100)

PART NO.	DESCRIPTION
S00-0847	HEIGHTEC WK55050 ADVANCED LIFTING AND LOWERING KIT 50M
S00-0848	HEIGHTEC WK55100 ADVANCED LIFTING AND LOWERING KIT 100M

FOR RADMAN PERSONAL ELECTRIC FIELD RADIATION MONITORS

SEE PAGE 483

DRY BAG

Ideal for keeping possessions dry and safe at roadworks, building sites or during outdoor activities. Water-resistant polyester/PVC with 'lock and roll' feature for a watertight closure.

Supplied with adjustable shoulder strap.

A) Capacity 20 Litres
B) Capacity 30 Litres

PART NO.	DESCRIPTION
S83-2792	A) DRY BAG 20 LITRES
S83-2791	B) DRY BAG 30 LITRES

A) RIDGEGEAR RGS5 PUMP BAG

A cost effective way of storing your height safety gear. It is made from nylon and features a drawstring closure.

Material: Nylon. Size: H 470 x W 360mm

B) RIDGEGEAR RGS1 KIT BAG

This RidgeGear RGS1 Kit Bag is the perfect storage solution to hold your safety harness kit. It is light, compact and features a carry handle and transparent front pocket for paper work.

Material: Nylon

Dimensions: H 285mm x W 355mm x D 125mm

C) RIDGEGEAR RGS2 BACKPACK 25 LITRE

The perfect solution for storing all types of equipment.

Lightweight and an ideal size with features including extra padding for comfort, double carry straps and small compartments for additional storage.

Material: Nylon

Dimensions: H 460 x W 290 x D 250mm

D) RIDGEGEAR RGS7 DUFFLE BAG 50 LITRE

General-purpose duffle bag designed to conveniently store a range of height safety equipment. The robust duffle bag comes with a spacious main packing area capable of storing numerous items of kit. Hardwearing and feature packed, ready for the demands of working across varying sites with differing working conditions.

Features:
• Attachment points on outer bag
• Spacious main compartment & multiple storage pockets
• Can be worn as a backpack / rucksack

E) RIDGEGEAR RGS3 BACKPACK 50 LITRE

A general purpose storage bag ideal for use in all weathers.

Features comfort back pad, padded waist belt and shoulder straps.

Manufactured from high grade welded tarpaulin material makes this bag durable and helps to repel water. Features draw-string closure and small front pocket for extra essentials.

Specifications:
• Suitability: Outdoors
• Material: PVC Tarpaulin
• Max load rating of 20kg
• Comfort back pad
• Padded waist belt
• Shoulder straps
• Drawstring closure
• Small front pocket
• Size: H 700 x W 360 x D 300mm

F) RIDGEGEAR RGK29 TRIPOD BAG

The tripod bag is specifically designed to safely store the RGR1 Rescue Tripod. This heavy duty bag features a full length top zip and two carry handles which wrap around the bag for extra strength. The two additional shorter straps at the top and bottom will allow a two person lift. It also has wheels to make hauling the tripod less effort.

Material: Abrasion resistant nylon

Size: H 210 x L 1400 x D 200mm
(max dimensions, not including wheels).

G) HEIGHTEC B05 KARI 5
TRANSPORT BAG - 5L WLL 5KG

H) HEIGHTEC B30 KARI 30
TRANSPORT BAG - 30L WLL 18KG

Personal kit & tool bag for attaching to harness belt. KARI range of durable, tough, waterproof kit bags for storage and hauling.

The hard wearing, waterproof construction makes it an ideal kit and rope bag and ensures the integrity of the equipment inside is not compromised.

2 D-rings either side of each closing buckle allow the bag to be 'locked' with a cable tie or tamper evident tag.

Available in 5 Litre (5kg) (S83-1072) or
30 Litre (18kg) (S83-1073) versions

PART NO.	DESCRIPTION
S83-1024	A) RIDGEGEAR RGS5 PUMP BAG
S00-0667	B) RIDGEGEAR RGS1 KIT BAG
S00-0668	C) RIDGEGEAR RGS2 BACKPACK 25 LITRE
S83-1025	D) RIDGEGEAR RGS7 DUFFLE BAG 50 LITRE
S83-1023	E) RIDGEGEAR RGS3 BACKPACK 50 LITRE
S83-1017	F) RIDGEGEAR RGK29 TRIPOD BAG
S83-1072	G) HEIGHTEC B05 KARI 5 TRANSPORT BAG - 5L WLL 5KG
S83-1073	H) HEIGHTEC B30 KARI 30 TRANSPORT BAG - 30L WLL 18KG

A-C) KNIPEX TOOL TETHERING SYSTEM SET

Tool protection system with applications, ranging from building construction to pole climbing.

Reliably prevents the tool falling down, and can protect against serious injuries, damage to property or loss. Maximum weight of tool supported 1.5kg

Available in 3 sets:

A) S83-0010
Comprising a 155Cm lanyard, 2 x carabiners and 3 x tool adaptor straps.

B) S83-0011
150cm Lanyard with carabiner and adaptor strap.

C) S83-0012
2 x Adapter strap to attach tools to carabiner.

D) TETRA DRILL BANDOLIER

Bandolier to connect equipment for the operative to maintain three points of contact when climbing the ladder and to prevent the risk of a falling object.

E) TRIPLE LANYARD SET FOR TOOLS - 1.0 TO 1.4M

Premium quality triple lanyard with three interchangeable tool ends that have 25cm (10 inch) webbing loops with dual channel locks and HK clips for quick tool changes.
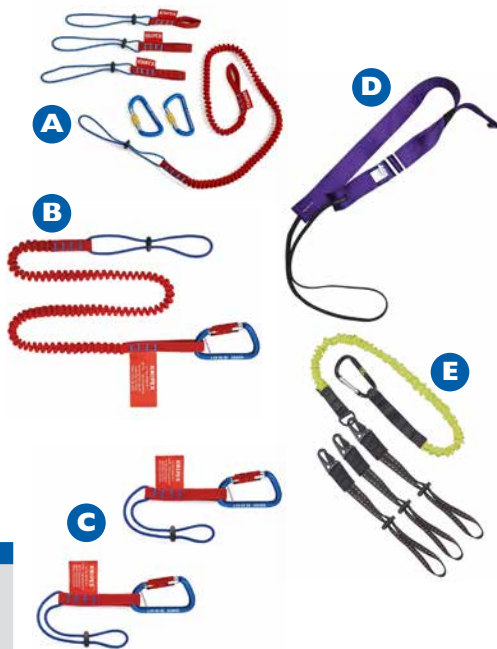
PART NO.	DESCRIPTION
S83-0010	A) KNIPEX 00 50 04 T BK TOOL TETHERING SYSTEM SET
S83-0011	B) KNIPEX 00 50 05 T BK TOOL TETHERING SYSTEM SET
S83-0012	C) KNIPEX 00 50 06 T BK TOOL TETHERING SYSTEM SET
S83-1035	D) TETRA DRILL BANDOLIER
S83-3473	E) TRIPLE LANYARD SET FOR TOOLS - 1.0 TO 1.4M

RIDGEGEAR TOOL LANYARDS

The standard lanyard is an entry level product that does the job perfectly. It is made from high quality 20mm flat webbing which is specially treated to be water repellent and resistant to oil and grease.

A) RidgeGear RTLS1 Standard Tool Lanyard

B) RidgeGear RTLE3 Elastic Tool Lanyard with Choke Loop & Belt Attachment 'O' Ring

C) RidgeGear RTLK1 Kinetic™ Tool Lanyard with Choke Loop

D) RidgeGear RTLS2A Clip Buckle Choke Loops Pk 3

E) RidgeGear RTLS2 Tool Lanyard with Clip Buckle with 3 Choke Loops

PART NO.	DESCRIPTION
S00-7564	A) RIDGEGEAR RTLS1 STANDARD TOOL LANYARD
S00-7567	B) RIDGEGEAR RTLE3 ELASTIC TOOL LANYARD WITH CHOKE LOOP & BELT ATTACHMENT 'O' RING
S00-7568	C) RIDGEGEAR RTLK1 KINETIC™ TOOL LANYARD WITH CHOKE LOOP
S00-7566	D) RIDGEGEAR RTLS2A CLIP BUCKLE CHOKE LOOPS PK 3
S00-7565	E) RIDGEGEAR RTLS2 TOOL LANYARD WITH CLIP BUCKLE WITH 3 CHOKE LOOPS

PPE & SAFETY EQUIPMENT

RIDGEGEAR TOOL LANYARD ACCESSORIES

A) The RTLC1 is a compact captive eye karabiner which can be used in conjunction with S00-7571 RTLR1 on lightweight tools.

- Gate opening: 8mm
- Size: 50mm x 25mm
- Closure type: Snap gate
- Max Capacity: 1 kg

B) The RTLC2 is a snap gate karabiner which comes in two sizes and capacities, perfect for connecting and swapping between multiple tools quickly.

50 x 25mm.

Both sizes shown for illustrations purposes.

C) The RTLC2 is a snap gate karabiner which comes in two sizes and capacities, perfect for connecting and swapping between multiple tools quickly.

60 x 30mm.

Both sizes shown for illustrations purposes.

D) The RTLC3 is a screw gate karabiner which comes in two sizes and heavier capacities, perfect for connecting and swapping between multiple tools.

40 x 20mm.

Both sizes shown for illustrations purposes.

E) The RTLC3 is a screw gate karabiner which comes in two sizes and heavier capacities, perfect for connecting and swapping between multiple tools.

50 x 20mm.

Both sizes shown for illustrations purposes.

F) The RTLW3 is a flat webbing connector with a D-ring which can be used in conjunction with Tool Ties S00-7569 RTLX1 and S00-7570 RTLX2 and/or small karabiners S00-7574 RTLC2 or S00-7576 RTLC3. PK5

- Length: 70mm
- Web material: 20mm water repellent polyester
- Attachment type: Flat loop with D ring

G) The RTLX2 is a Tool Tie with a holed steel connector which can be tightened around a tool without an opening and used in conjunction with one of our small karabiners S00-7574 RTLC2 or S00-7576 RTLC3.

- Length: 240mm
- Width: 10mm
- Closure type: 7mm Hex Bolt
- Max Capacity: 1kg

H) The RTLX1 is a Tool Tie supplied in a pack of 5 which can be tightened around a tool without an opening and used in conjunction with the webbing connector S00-7572 RTLW3.

- Length: 240mm
- Width: 10mm
- Closure type: 7mm Hex Bolt
- Max Capacity: 1kg

I) The RTLR1 is a cord connector which can be knotted and choked around lightweight tools, particularly those with captive holes.

- Length: 10m
- Material: Nylon Cord

RidgeGear

PART NO.	DESCRIPTION
S00-7573	A) RIDGEGEAR RTLC1 STEEL SNAP GATE KARABINER FOR TOOL CONNECTION
S00-7574	B) RIDGEGEAR RTLC2 SNAP GATE KARABINER FOR TOOL CONNECTION 50 X 25MM
S00-7575	C) RIDGEGEAR RTLC2 SNAP GATE KARABINER FOR TOOL CONNECTION 60 X 30MM
S00-7576	D) RIDGEGEAR RTLC3 SCREW GATE KARABINER FOR TOOL CONNECTION 40 X 20MM
S00-7577	E) RIDGEGEAR RTLC3 SCREW GATE KARABINER FOR TOOL CONNECTION 50 X 25MM
S00-7572	F) RIDGEGEAR RTLW3 D RING TOOL CONNECTORS PK 5
S00-7570	G) RIDGEGEAR RTLX2 TOOL TIE WITH HOLED STEEL CONNECTOR PK 5
S00-7569	H) RIDGEGEAR RTLX1 TOOL TIE WITH BOLT TIGHTENING PK 5
S00-7571	I) RIDGEGEAR RTLR1 ACCESSORY CORD 2MM X 10M

A) TETRA LEANING LADDER & POLE KIT

Complete Leaning Ladder & Pole Kit as used by Openreach Engineers. This item is non-returnable and non-refundable.

The RGL4 is used as an extension strop fitted to the rear D ring of a full body harness. It features a sewn eye on the free end allowing the operative to independently connect themselves to a fall arrest block by extending the attachment point on the harness and bringing it into the field of vision.

- Accredited to: EN 354:2010
- Length: 0.45m
- Material: 26mm water repellent polyester
- Fitted with an RGK12 10mm Steel Screwgate Delta Link
- Restraint only - not to be used as fall arrest
- 32kN webbing used in the manufacture provides greater strength compared to other webbing and systems

B) TETRA SECOND LADDER KIT

Complete Second Ladder Kit as used by Openreach Engineers comprising: 2 x 6 Metre Ladder Strap with Cam Buckle & Karabiners, Hi Vis Ladder Yoke, 10m x 11mm Diameter Static Kernmantle Rope inc Aluminium Scaffold Karabiner, Day glow tape sling complete with 7 sewn loops for securing ladders to pole, Storage Bag Medium.

Complete Second Ladder Kit as used by Openreach Engineers comprising:

- 2 x 6 Metre Ladder Strap with Cam Buckle & Karabiners
- 1 x Hi Vis Ladder Yoke
- 1 x 10 metre x 11 mm Diameter Static Kernmantle Rope including Aluminium Scaffold Karabiner
- 1 x Day glow tape sling complete with 7 sewn loops for securing ladders to pole
- 1 x Storage Bag Medium

Through constant testing of Tetra systems on different types of ladders, the maximum weight limit for Tetra systems and rope grab is 136Kg (21st 5lbs).

C) TETRA FLAT ROOF KIT

Complete Flat Roof Kit as used by Openreach Engineers comprising 20mm Reuseable Eyebolt, 3 Metre Kernmantle Rope and Karabiner, 20 mm SDS Plus Masonry Drill Bit.

Complete Flat Roof Kit as used by Openreach Engineers comprising:

- 1 x 20mm Reuseable Eyebolt for Flat Roof Use
- 1 x 3 Metre Kernmantle Rope and Karabiner for Flat Roof Use
- 1 x 20 mm Ø SDS Plus Masonry Drill Bit
- Through constant testing of Tetra systems on different types of ladders, the maximum weight limit for Tetra systems and rope grab is 136Kg (21st 5lbs).

A

B

C

PART NO.	DESCRIPTION
S00-0984	TETRA LEANING LADDER & POLE KIT
S00-0988	TETRA SECOND LADDER KIT
S00-1025	TETRA FLAT ROOF KIT

PPE & SAFETY EQUIPMENT

FOR MORE LADDER SAFETY PRODUCTS
SEE PAGES 297-302

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For ease of ordering, products & accessories are colour coded according to size:

	10 x 8MM
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	25 x 16MM
	38 x 16MM
	38 x 25MM
	38 x 38MM
	50 x 25MM

See website for the full range of larger maxi trunking

STANDARD FIX MINI TRUNKING
2 METRE LENGTHS - SIZE (WIDTH x HEIGHT)

PART NO.	DESCRIPTION
V81-2005	16 X 16MM STANDARD FIX 2M
V81-2006	25 X 16MM STANDARD FIX 2M
V81-2007	38 X 25MM STANDARD FIX 2M

SELF ADHESIVE MINI TRUNKING

2 METRE LENGTHS - SIZE (WIDTH x HEIGHT)

PART NO.	DESCRIPTION
V81-2008	16 X 16MM SELF-ADHESIVE 2M - PACK OF 30
V81-2009	25 X 16MM SELF-ADHESIVE 2M - PACK OF 30
V81-2010	38 X 25MM SELF-ADHESIVE 2M - PACK OF 15

STANDARD FIX MINI TRUNKING
3 METRE LENGTHS - SIZE (WIDTH x HEIGHT)

PART NO.	DESCRIPTION
V81-3011	16 X 16MM STANDARD FIX 3M MMT1 - PACK OF 30
V81-3012	25 X 16MM STANDARD FIX 3M MMT2 - PACK OF 30
V81-3013	38 X 16MM STANDARD FIX 3M MMT3 - PACK OF 15
V81-3014	38 X 25MM STANDARD FIX 3M MMT4 - PACK OF 15
V81-3391	38 X 38MM STANDARD FIX 3M MMT6 - PACK OF 12
V81-3015	50 X 25MM STANDARD FIX 3M MMT5 - PACK OF 12

3 METRE LENGTHS - SIZE (WIDTH x HEIGHT)

PART NO.	DESCRIPTION
C92-3580	10 X 8MM SELF-ADHESIVE 3M MMT00SF - PACK OF 40
V81-3016	16 X 16MM SELF-ADHESIVE 3M MMT1SF - PACK OF 30
V81-3017	25 X 16MM SELF-ADHESIVE 3M MMT2SF - PACK OF 30
V81-3018	38 X 16MM SELF-ADHESIVE 3M MMT3SF - PACK OF 15
V81-3019	38 X 25MM SELF-ADHESIVE 3M MMT4SF - PACK OF 15

MINI TRUNKING COUPLERS

PART NO.	DESCRIPTION
V81-8020	16 X 16MM COUPLING
V81-8021	25 X 16MM COUPLING
V81-8022	38 X 16MM COUPLING
V81-8023	38 X 25MM COUPLING
V81-0395	38 X 38MM COUPLING
V81-8024	50 X 25MM COUPLING

MINI TRUNKING STOP ENDS

PART NO.	DESCRIPTION
V81-8025	16 X 16MM STOP END
V81-8026	25 X 16MM STOP END
V81-8027	38 X 16MM STOP END
V81-8028	38 X 25MM STOP END
V81-0396	38 X 38MM STOP END
V81-8029	50 X 25MM STOP END

MINI TRUNKING FLAT ANGLES

PART NO.	DESCRIPTION
V81-8030	16 X 16MM ANGLE
V81-8031	25 X 16MM ANGLE
V81-8032	38 X 16MM ANGLE
V81-8033	38 X 25MM ANGLE
V81-0397	38 X 38MM ANGLE
V81-8034	50 X 25MM ANGLE

MINI TRUNKING EXTERNAL ANGLES

PART NO.	DESCRIPTION
V81-8035	16 X 16MM EXT. ANGLE
V81-8036	25 X 16MM EXT. ANGLE
V81-8037	38 X 16MM EXT. ANGLE
V81-8038	38 X 25MM EXT. ANGLE
V81-0398	38 X 38MM EXT. ANGLE
V81-8039	50 X 25MM EXT. ANGLE

MINI TRUNKING INTERNAL ANGLES

PART NO.	DESCRIPTION
V81-8040	16 X 16MM INT. ANGLE
V81-8041	25 X 16MM INT. ANGLE
V81-8042	38 X 16MM INT. ANGLE
V81-8043	38 X 25MM INT. ANGLE
V81-0399	38 X 38MM INT. ANGLE
V81-8044	50 X 25MM INT. ANGLE

MINI TRUNKING EQUAL TEES

PART NO.	DESCRIPTION
V81-8045	16 X 16MM TEE
V81-8046	25 X 16MM TEE
V81-8047	38 X 16MM TEE
V81-8048	38 X 25MM TEE
V81-0400	38 X 38MM TEE
V81-8049	50 X 25MM TEE

Underground Burial Corrugated Flexible HDPE Conduit

Length: 50m

This double-walled underground burial conduit has a corrugated exterior and a smooth core. It is made from HDPE and has a high chemical and water resistance. It has an impact resistance of higher than 450N on 5cm at + 20°C. Its flexibility and mechanical resistance allows installation even in the presence of irregularity in the ground. Supplied in black. Other colours available on request.

Each coil comes complete with integral draw wire.

PART NO.	DESCRIPTION
V01-4985	UNDERGROUND BURIAL CORRUGATED FLEXIBLE HDPE CONDUIT 40MM
V01-4986	UNDERGROUND BURIAL CORRUGATED FLEXIBLE HDPE CONDUIT 50MM
V01-4987	UNDERGROUND BURIAL CORRUGATED FLEXIBLE HDPE CONDUIT 63MM
V01-4988	UNDERGROUND BURIAL CORRUGATED FLEXIBLE HDPE CONDUIT 75MM
V01-4989	UNDERGROUND BURIAL CORRUGATED FLEXIBLE HDPE CONDUIT 110MM

CONSUMABLES & CABLE MANAGEMENT

WHITE LSOH CORRUGATED FLEXIBLE CONDUIT

Corrugated white flexible polypropconduit (Kopex Style) - low smoke zero halogen material.

Available in 20,25 and 32mm diameters and 50 and 100m reels.

Associated glands and nuts are supplied in Pkt 50.

PART NO.	DESCRIPTION
V01-1178	20MM WHITE POLYPROP FLEX 100M
V01-1179	25MM WHITE POLYPROP FLEX 50M
V01-1180	32MM WHITE POLYPROP FLEX 50M
V01-1181	20MM WHITE GLANDS AND LOCKNUTS PK 10
V01-1182	25MM WHITE GLANDS AND LOCKNUTS PK 10
V01-1183	32MM WHITE GLANDS AND LOCKNUTS PK 10

LSOH STANDARD CORRUGATED FLEXIBLE POLYPROP CONDUIT

Corrugated black flexible polyprop conduit (Kopex Style) - low smoke zero halogen material.

Available in 20,25 32, and 50mm diameters and 25, 50 and 100m reels.

Associated glands and nuts are supplied in Pkt 10.

PART NO.	DESCRIPTION
V01-7036	20MM DIA. POLYPROP FLEX 100M
V01-7037	25MM DIA. POLYPROP FLEX 50M
V01-7035	32MM DIA. POLYPROP FLEX 25M
V01-0465	50MM DIA. POLYPROP FLEX 25M
T70-2578	20MM GLANDS AND NUTS (PKT 10)
T70-2573	25MM GLANDS AND NUTS (PKT 10)
T70-2574	32MM GLANDS AND NUTS (PKT 10)
T70-1225	50MM GLANDS AND NUTS (EACH)

CONTRACTOR PACK
- AS ABOVE BUT IN 10M PACKS

LSOH standard corrugated flexible polyprop conduit.

(IP54) - Temperature range -40 - +120°C.
Available in 20 and 25mm diameters. Supplied in black.
Specialist contractor packs of 20 and 25mm diameters, containing 10m conduit, 10 glands, 10 locknuts.

PART NO.	DESCRIPTION
V01-1305	20MM CONTRACTOR PACKS
V01-1306	25MM CONTRACTOR PACKS

FLEXIBLE GALVANISED STEEL CONDUIT

Extra-flexible steel conduit - available in 20 and 25mm diameters. Supplied in 30m lengths.

Associated glands and nuts are supplied in Pkt 10.

PART NO.	DESCRIPTION
V01-7046	20MM STEEL FLEX CONDUIT 30M
V01-7047	25MM STEEL FLEX CONDUIT 30M
V01-7048	20MM GLANDS AND NUTS (PKT 10)
V01-7049	25MM GLANDS AND NUTS (PKT 10)

SPIRAL REINFORCED CONDUIT

This heavy-duty flexible conduit is reinforced by spiral nylon, making it crush resistant. It is also supplied to IP65.

Available in 20 and 25mm diameters. Supplied in black, in 30m lengths.

Associated glands and nuts are supplied in Pkt 10

PART NO.	DESCRIPTION
V01-7042	20MM REINFORCED CONDUIT 30M
V01-7043	25MM REINFORCED CONDUIT 30M
T70-4739	20MM GLANDS AND NUTS (PKT 10)
T70-4740	25MM GLANDS AND NUTS (PKT 10)

LSOH SPLIT CORRUGATED FLEXIBLE POLYPROP CONDUIT

Temperature range -40 - +120°C. Available in 20, 25 and 32mm diameters and ideal for covering existing cabling without disconnection.
Supplied in black.
Associated glands and nuts are supplied in Pkt 10.

PART NO.	DESCRIPTION
V01-7057	20MM POLYPROP SPLIT FLEX 50M
V01-7058	25MM POLYPROP SPLIT FLEX 50M
V01-7059	32MM POLYPROP SPLIT FLEX 25M
T70-2578	20MM GLANDS AND NUTS (PKT 10)
T70-2573	25MM GLANDS AND NUTS (PKT 10)
T70-2574	32MM GLANDS AND NUTS (PKT 10)

CABLE BRAID - HALOGEN FREE

Halogen heat free stabilised polyester temperature range
-50 to +150°C. available in black and grey in 6 sizes from 12-60mm.

PART NO.	DESCRIPTION
R02-7704	CABLE BRAID 12-20MM 50M GREY
R02-7705	CABLE BRAID 18-25MM 50M GREY
R02-7706	CABLE BRAID 22-30MM 25M GREY
R02-7707	CABLE BRAID 26-35MM 25M GREY
R02-7708	CABLE BRAID 35-45MM 25M GREY
R02-4247	CABLE BRAID 40-60MM 25M GREY
R02-9010	CABLE BRAID 12-20MM 50M BLACK
R02-9011	CABLE BRAID 18-25MM 50M BLACK
R02-9012	CABLE BRAID 22-30MM 25M BLACK
R02-9013	CABLE BRAID 26-35MM 25M BLACK
R02-9014	CABLE BRAID 35-45MM 25M BLACK
R02-4248	CABLE BRAID 40-60MM 25M BLACK

RODENT RESISTANT CABLE BRAID AND INSULATION TAPE

A) Rodent Resistant Dark Brown Cable Braid. Rodent Resistant - Dark Brown, 3 End Flexo Rodent Resistant (RRN) for fighting the harmful effects of unprotected wires which are exposed to rodents.

B) Anti-Rodent Electrical Insulation Tape 19mm x 20m. An easy to use, effective solution for protection of cables, wires, plumbing pipes, gas pipes & ducts against rodent damage.

PART NO.	DESCRIPTION
R02-0065	A) RODENT RESISTANT DARK BROWN CABLE BRAID 6MM X 60M ROLL
R02-0066	A) RODENT RESISTANT DARK BROWN CABLE BRAID 10MM X 37.5M ROLL
R02-0067	A) RODENT RESISTANT DARK BROWN CABLE BRAID 16MM X 30M
R02-0068	B) RODENT RESISTANT ELECTRICAL INSULATION TAPE 19MM X 20M

BACK BOXES

Available in 'easy tear' poly bags in 1 and 2 gangs – the boxes are also available in standard (32mm), extra deep (42mm) versions and now 22mm deep.

PART NO.	DESCRIPTION
T70-0009	1 GANG 22MM BACK BOX
T70-2165	1 GANG 32MM BACK BOX
T70-2166	2 GANG 32MM BACK BOX
T70-2167	1 GANG 42MM BACK BOX
T70-2168	2 GANG 42MM BACK BOX

FUSION SELF-ADHESIVE BACK BOXES

PVC self-adhesive surface back boxes provide a tough, durable area for mounting most kinds of sockets and are available in both 1 and 2 gang – 32mm depth.

PART NO.	DESCRIPTION
T70-2566	1 GANG BACK BOX SELF-ADHESIVE
T70-2567	2 GANG BACK BOX SELF-ADHESIVE

A) METAL FLUSH BOXES

Available in 1 and 2 gang and in 25mm, 32mm and 44mm depths

B) RETHREADING TOOL 3.5 X 0.6MM

For cleaning out and cutting damaged or malformed threads in electrical boxes and other similar jobs. Manufactured from high-speed steel with precision ground threads and an impact resistant PVC handle.

PART NO.	DESCRIPTION
V01-2304	A) 1 GANG 25MM FLUSH BOX
V01-2305	A) 2 GANG 25MM FLUSH BOX
V01-2306	A) 1 GANG 32MM FLUSH BOX
V01-2307	A) 2 GANG 32MM FLUSH BOX
V01-8747	A) 1 GANG 44MM FLUSH BOX
V01-8748	A) 2 GANG 44MM FLUSH BOX
J04-4862	B) RETHREADING TOOL 3.5 X 0.6MM

FLUSH MOUNTING DRY LINING BOXES

34mm and 47mm depth available

1 and 2 gang and adjustable 6-14mm

For installations in plaster board & false wall environments.

PART NO.	DESCRIPTION
V81-8113	1 GANG DRY LINING BOX 34MM
V81-8114	2 GANG DRY LINING BOX 34MM
V01-8745	1 GANG DRY LINING BOX 47MM
V01-8746	2 GANG DRY LINING BOX 47MM

CONSUMABLES & CABLE MANAGEMENT

MILLS STAINLESS CABLE TIES

Stainless steel cable ties are ideal for all applications that require high strength, reliability and fire resistance. In the event of a fire, cables will remain securely held in place and will not fall to block emergency exits.

These ties have a locking feature and offer infinite adjustment within their length. The ties are heavy duty and once installed they can be opened and re-used if required.

It is strongly recommended that these cable ties are applied using the S57-4257 Cable Tie Gun for Stainless Steel Ties or S00-5631 Tensioning Tool to ensure reliable and efficient fixing.

Available in 4 popular sizes:

A) S00-5620 127mm x 4.6mm Pk 100

B) S00-4685 201mm x 4.6mm Pk 100

C) S00-4686 300mm x 4.6mm Pk 100

D) S00-5628 Tie 362mm x 7.9mm Pk 50
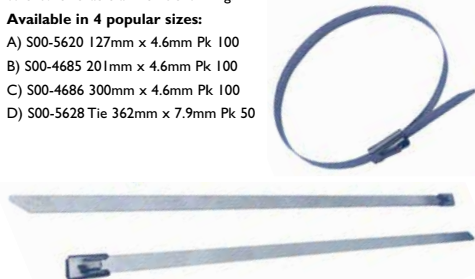
PART NO.	DESCRIPTION
S00-5620	A) S'STEEL CABLE TIE 127MM X 4.6MM PK 100
S00-4685	B) S'STEEL CABLE TIES 201MM X 4.6MM PK 100
S00-4686	C) S'STEEL CABLE TIES 300MM X 4.6MM PK 100
S00-5628	D) S'STEEL CABLE TIE 362MM X 7.9MM PK 50

STAINLESS STEEL SCREW FIXING MOUNTS

Suitable for the secure fixing of cables, tubing, conduits and pipes within the most arduous of environments. Providing a complete fastening and fixing solution when used in conjunction with stainless steel ties up to 10.0 mm width.

Made from Grade 316 Stainless Steel (SS316).

Dimensions: 10.2mm (w) x 23.0mm (l) x 4.5mm (h)
Available with three different hole sizes. Supplied in packs of 100.

PART NO.	DESCRIPTION
S00-5633	4.2MM Ø HOLE - STAINLESS STEEL P MOUNTS PK100
S00-5634	5.3MM Ø HOLE - STAINLESS STEEL P MOUNTS PK100
S00-5635	6.3MM Ø HOLE - STAINLESS STEEL P MOUNTS PK100

STAINLESS STEEL CRADLE MOUNT CLIP

A cradle mount clip that meets the requirements of BS761, 3rd Amendment, 7th Edition. Suitable for use with stainless steel cable ties up to and including 7.9mm.

Features a No.8 (4mm ø) fixing hole for securing on to the building fabric.

Supplied in a pack of 100.

Dimensions: 12mm (w) x 16mm (l).

PART NO.	DESCRIPTION
S00-5636	STAINLESS STEEL CRADLE MOUNT CLIP PK100

STAINLESS STEEL BALL LOCK CABLE TIES

304 Grade Stainless Steel Ball-Lock Cable ties are ideal for all applications that require high strength, reliability and fire resistance.

In the event of a fire, cables will remain securely held in place and will not fall to block emergency exits.

These MBT (Metal Ball Bearing Ties) ties have a patented non-releasable locking feature and offer infinite adjustment within their length.

Width: 4.6mm

Available in three lengths: 201mm, 362mm and 521mm
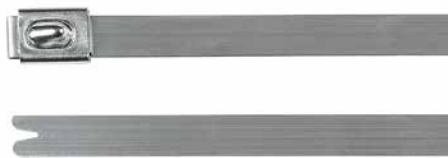
PART NO.	DESCRIPTION
R02-1961	STAINLESS STEEL BALL LOCK CABLE TIE 201MM X 4.6MM
R02-1975	STAINLESS STEEL BALL LOCK CABLE TIE 362MM X 4.6MM
R02-1976	STAINLESS STEEL BALL LOCK CABLE TIE 521MM X 4.6MM

SAFE-D U-CLIPS

Safe-D U-clips can be fitted direct-to-surface, or in non-metallic trunking systems. After cables are inserted, tabs can be folded inwardly to safely secure the cables. They are produced from a specified steel with >1200°C melting point.

Available in 3 popular sizes

A) S18-0031 For use with MMT2 25 x 16mm mini trunking. Dimensions 20mm (L) x 23mm (W) x 8mm (H). Supplied in a pack of 100.

B) S00-0032 For use with MMT5 50 x 25mm mini trunking. Dimensions: 20mm (L) x 47mm (W) x 30mm (H). Supplied in a pack of 50

C) S00-0033 For use with MMT5 50 x 25mm mini trunking. Dimensions: 20mm (L) x 47mm (W) x 30mm (H). Supplied in a pack of 50
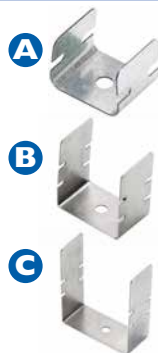
PART NO.	DESCRIPTION
T18-0031	A) SAFE-D U-CLIP 30 PK100
T18-0032	B) SAFE-D U-CLIP 40 PK50
T18-0033	C) SAFE-D U-CLIP 50 PK50

STAINLESS STEEL FIRE CLIP FOR MINI TRUNKING

The safest solution to securing cable within mini trunking.

Made from Grade 430 Stainless Steel (SS430)

• Suitable for 25 x 16mm mini trunking

• Completely invisible once mounted within the trunking

• No. 8 (4mm Ø) fixing hole for securing the clip to the building fabric

• Holds cables in position, even in the event of a fire

Dimensions:
21mm (w) x 20mm (l).

Supplied in packs of 50.

PART NO.	DESCRIPTION
S00-5637	FIRE CLIP FOR MINI TRUNKING PK50

FIREFLY™ CABLE CLEATS

Firefly™ Fire Safety Clips and Cleats provide an all-metal fire resistant range of cable fixings that will hold cables and cleats in place during a fire, thereby increasing the safety of firefighters and people escaping from burning buildings. They offer full compliance to the new regulations in the new BS7671 18th Edition.

6mm fixing hole size.

Supplied in a pack of 100.

PART NO.	DESCRIPTION
R02-3558	FOR CABLE 10.1 - 12.7MM OD PK100
R02-3559	FOR CABLE 12.6 - 15.7MM OD PK100
R02-3564	FOR CABLE 15.1 - 17.8MM OD PK100
R02-3565	FOR CABLE 17.7 - 20.3MM OD PK50
R02-3576	FOR CABLE 20.2 - 22.8MM OD PK50
R02-3577	FOR CABLE 22.7 - 25.4MM OD PK50

FIREFLY TRUNKING CLIPS

A) Internal - that fit within trunking prior to cables being installed

B) External - that can be retrofitted to existing trunking installations.

Fire safety clips to assist with the requirements of BS 7671 wiring regulations. Spring loaded design for quick and easy installation or removal of cables. Melt point over 1000°C.
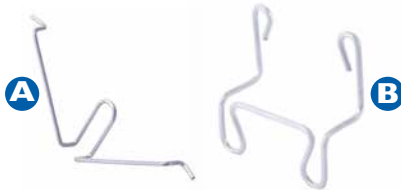
PART NO.	DESCRIPTION
R02-3551	A) FOR 25 X 16MM MINI TRUNKING PK100
R02-3552	A) FOR 38 X 25MM MINI TRUNKING PK100
R02-3553	A) FOR 50 X 25MM MINI TRUNKING PK100
R02-3554	B) FOR 25 X 16MM MINI TRUNKING PK100
R02-3556	B) FOR 38 X 25MM MINI TRUNKING PK100

P CLIPS

20mm, 25mm black nylon P-Clip

20, 25 & 32mm nylon P-Clip with rubber insert

PART NO.	DESCRIPTION
T70-1218	A) 20MM NYLON P CLIP
T70-1219	A) 25MM NYLON P CLIP
T70-1221	B) 20MM NYLON P CLIP W RUBBER INSERT
T70-1222	B) 25MM NYLON P CLIP W RUBBER INSERT
T70-1223	B) 32MM NYLON P CLIP W RUBBER INSERT

GENUINE VELCRO® BRAND ROLLS

Available in 25m Rolls in 10mm and 16mm widths. Ideal for sensitive cable management applications.

VELCRO® is a registered trademark of Velcro Industries B.V.

PART NO.	DESCRIPTION
R51-0456	GENUINE 10MM VELCRO® 25M ROLL
R51-0457	GENUINE 16MM VELCRO® 25M ROLL

HOOK & LOOP CABLE TIES - PKT 100

The Hook and Loop Tie is both quick and simple to use without the need for tools. It is corrosion free, resistant to ageing and re-usable many times. These ties are ideal for use on telephone, optical fibre and data cables.

PART NO.	DESCRIPTION
R51-8450	BLACK TIE 13 X 150MM (PKT 100)
R51-8451	BLACK TIE 13 X 230MM (PKT 100)
R51-8452	BLACK TIE 13 X 330MM (PKT 100)

HOOK AND LOOP ROLLS

Hook and Loop Tie available on a 25m roll and is simple to use without the need for tools. It is corrosion resistant to ageing and re-usable many times. Ideal for use on telephone, optical fibre and data cables. Available in 25m rolls, in 9mm and 16mm widths. Supplied in black.

PART NO.	DESCRIPTION
R02-7002	9MM HOOK & LOOP 25M ROLL
R02-7003	16MM HOOK & LOOP 25M ROLL

CONSUMABLES & CABLE MANAGEMENT

FUSION CABLE TIES

Suitable for a variety of applications, such as cable binding or harnessing. Supplied in a pack of 100.

- Manufactured from UL approved virgin nylon 6/6
- General operating temperature: -40°C to 85°C

- Flammability rating: UL94V-2 (self-extinguishing within 30 seconds)
- UV resistant for outdoor use (black ties only)
- Black ties are halogen free
- RoHS compliant
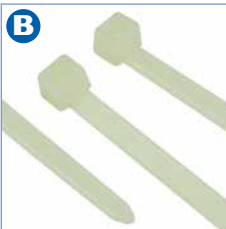
A) BLACK TIES

PART NO.	DESCRIPTION
S00-1401	100 X 2.5MM BLACK (PKT 100)
S00-1403	150 X 3.5MM BLACK (PKT 100)
S00-1405	200 X 4.5MM BLACK (PKT 100)
S00-1407	300 X 4.6MM BLACK (PKT 100)

B) NATURAL TIES

PART NO.	DESCRIPTION
S00-1400	100 X 2.5MM NATURAL (PKT 100)
S00-1402	150 X 3.5MM NATURAL (PKT 100)
S00-1404	200 X 4.5MM NATURAL (PKT 100)
S00-1406	300 X 4.6MM NATURAL (PKT 100)

HELLERMANNTYTON CABLE TIES UV-RESISTANT BLACK

UV Resistant (PA66W/UV) cable ties used for routing, bundling and securing of cables, pipes and hoses.

Features

- High tensile strength with very low insertion force
- Only high quality plastic is used meeting recycling targets
- Inside serrated cable ties for a strong hold onto bundles
- Ergonomic bent tail offers quick and simple installation
- Easy application either manually or with an application tool

PART NO.	DESCRIPTION
R02-1972	HELLERMANNTYTON CABLE TIE 100 X 2.5MM UV-RESISTANT BLACK PK100
R02-1951	HELLERMANNTYTON CABLE TIE 200 X 4.6MM UV-RESISTANT BLACK PK100
R02-1959	HELLERMANNTYTON CABLE TIE 300 X 4.6MM UV-RESISTANT BLACK PK100
R02-1974	HELLERMANNTYTON CABLE TIE 445 X 4.6MM UV-RESISTANT BLACK PK100
R02-1973	HELLERMANNTYTON CABLE TIE 760 X 7.6MM UV-RESISTANT BLACK PK50

See page 373 for Cable Tie Guns

STRAPS CABLE FIXING

Suitable for a variety of applications, such as cable binding or harnessing. Supplied in a pack of 100 with the exception of S83-0896 which is supplied in 50.

- Manufactured from UL approved virgin nylon 6/6
- General operating temperature: -40°C to 85°C
- Flammability rating: UL94V-2 (self-extinguishing within 30 seconds)
- UV resistant for outdoor use (black ties only)
- Black ties are halogen free
- RoHS compliant

PART NO.	DESCRIPTION
S83-2703	1C BLACK 100MM X 2.5MM (T18R) - PKT 100
S83-0904	1A BLACK 270MM X 4.8MM(LK2A) - PKT 100
S83-0896	10A BLACK 540MM X 13.0MM (LK5B) - PKT 50
S00-3121	BLACK 540MM X 8MM - PKT 100
S83-2704	1C NATURAL 100MM X 2.5MM (T18R) - PKT 100
S83-2929	1A NATURAL 270MM X 4.8MM (LK2A) - PKT 100

STRAP CABLE FIXING 12A (REL180)

Black, releasable cable tie for use in overhead cabling. Ideal for temporary fastening.

Size: 180mm x 7.5mm.

Supplied in packs of 50.

Ref: 072586

PART NO.	DESCRIPTION
S83-0886	STRAP CABLE FIXING 12A (REL180) - PKT 50

FUSION CABLE TIE HANDY PACK

A handy pack of 200 different sized, multicoloured cable ties. Suitable for a variety of applications such as cable binding or harnessing.

Comprising:
25 x 2.5 x 100mm Red
25 x 2.5 x 100mm Green
25 x 2.5 x 100mm Blue
25 x 2.5 x 100mm Yellow
25 x 2.5 x 150mm Natural
25 x 2.5 x 150mm Black
25 x 3.6 x 200mm Natural
25 x 3.6 x 200mm Black

- Manufactured from UL approved virgin nylon 6/6
- General operating temperature: -40°C to 85°C
- Flammability rating: UL94V-2 (self-extinguishing within 30 seconds)
- RoHS compliant

PART NO.	DESCRIPTION
T70-0623	FUSION CABLE TIE HANDY PACK

CABLE TIE BASE

Self-adhesive cable tie mounting bases designed for holding heavier cable bundles offering very secure fixing, allowing 4 way entry for cable ties. Available in black.

Supplied in packs of 50, except for S83-3902 MB5A which are supplied in packs of 100.

PART NO.	DESCRIPTION	SIZE (MM)	STRAP WIDTH (MAX)
S83-3899	CABLE TIE BASE PKT 100	13 X 13	2.7MM
S83-3900	CABLE TIE BASE PKT 100	19 X 19	4.1MM
S83-3901	CABLE TIE BASE PKT 100	28 X 28	5.4MM
S83-3902	CABLE TIE BASE PKT 100	38 X 38	10MM

CABLE TIE MARKERS AND TOMBSTONE MARKER TIES

A) Cable Tie Markers in natural colour with 40mm x 20mm write on plate to fix up to 4.8mm width cable ties. Supplied in Natural colour in a pack of 100.

B) Tombstone Marker Ties in natural colour comprising an 80mm x 2.4mm tie with 25mm x 8mm writing area. Supplied in a pack of 100.

PART NO.	DESCRIPTION
R02-2413	A) CABLE TIE MARKERS PKT 100
R02-2414	B) TOMBSTONE MARKER TIES PKT 100

TAG MARKER

An identification tag used to identify cable and cable runs. It can be fastened to cables using cable ties up to 4.6mm wide. Tag Marker 1A is 63mm long and accommodates up to 8 collet Markers. Tag Marker 2A is 100mm long and accommodates up to 14 Collet Markers. Supplied in packs of 100, in black or natural colour.

PART NO.	DESCRIPTION
S83-3907	TAG MARKER 1A BLACK (PKT100)
S83-3908	TAG MARKER 1A NATURAL (PKT100)
S83-3909	TAG MARKER 2A BLACK (PKT100)
S83-3910	TAG MARKER 2A NATURAL (PKT100)

FUSION CABLE TIE CRADLES SUITABLE FOR SELF-ADHESIVE APPLICATIONS

Available in Natural or Black and in 19mm Sq or 28mm Sq. Supplied in packets of 100.

PART NO.	DESCRIPTION
R02-2415	CRADLE 19MM SQ NATURAL (PKT 100)
R02-2416	CRADLE 19MM SQ BLACK (PKT 100)
R02-2417	CRADLE 28MM SQ NATURAL (PKT 100)
R02-2418	CRADLE 28MM SQ BLACK (PKT 100)

CABLE TIE WALL MOUNTS AND SUPPORTS

A) Cable Tie Support
Suitable for Cable Ties up to 9mm. Supplied in Pkt of 100.

B) Cable Tie Wall Mounts (Black)
Suitable for Cable Ties up to 9mm. Supplied in Pkt of 100.

C) Cable Tie Wall Mounts (Natural)
Suitable for Cable Ties up to 9mm. Supplied in Pkt of 100.
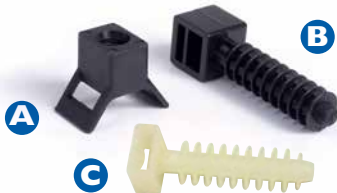
PART NO.	DESCRIPTION
R02-2423	A) CABLE TIE SUPPORTS BLACK(PKT 100)
R02-2419	B) CABLE TIE WALL MOUNTS BLACK (PKT 100)
R02-4802	C) CABLE TIE WALL MOUNTS NATURAL (PKT 100)

COLLET MARKER 2 YELLOW SET 0-9

Ten packs of 50 each, collet marker numbers 0-9.

Colour: Yellow

Colour of Print: Black

Dimensions:

Bundle Dia max. 9.0mm
Bundle Dia min. 4.0mm
Conductor Size Range mm² 4.0 - 16.0mm²
Length 5.0mm
Ref: 072796

PART NO.	DESCRIPTION
S83-1757	COLLET MARKER 2 YELLOW SET 0-9

CONSUMABLES & CABLE MANAGEMENT

TE SLIDE-ON CABLE MARKERS - K-TYPE®

Critchley K-Type® slide-on cable markers (K65) offer a versatile marking system for cables, cable bundles and conduit. The elliptical marker profile allows easy fitting to carrier strips, and contains large characters for good legibility.

Four sizes of carrier strips holding from 7 to 28 markers are also available in addition to full K-type markers kits containing numbers, letters symbols and carrier strips.

- Material: PVC
- Service Temperature Range: -45°C to +70°C
- Chemical Resistance: Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.
- Cable Diameter: 4.2 - 7.0mm²
- For Cable Size: 4.0 - 10.0mm²
- Marker Length: 6.0mm

AVAILABLE AS 40 COMPARTMENT MARKER KITS

K-TYPE® BLACK ON WHITE MARKER KIT

The K-Type marker standard kit comes with numbers, letters, symbols and carrier strips and is an ideal marking system for cables, cable bundles and conduit.

The Marker Kit contains 100 of each: 0-9, A-Z, +, -, /, EARTH, 200 x 12 Digit Carriers, 100 x 7 Digit Carriers.

PART NO.	DESCRIPTION
C71-3657	K-TYPE BLACK ON WHITE MARKER KIT

K-TYPE® BLACK ON YELLOW MARKER KIT

The K-Type marker standard kit comes with numbers, letters, symbols and carrier strips and is an ideal marking system for cables, cable bundles and conduit.

The Marker Kit contains 100 of each: 0-9, A-Z, +, -, /, EARTH, 200 x 12 Digit Carriers, 100 x 7 Digit Carriers.

PART NO.	DESCRIPTION
C71-3656	K-TYPE BLACK ON YELLOW MARKER KIT

CRITCHLEY CARRIER BARS

Ideal for identifying large cables, conduit and pipes, either before or after termination.

Each carrier has slotted ends allowing fastening with cable ties up to 7.4mm wide.

Material: PVC - Self-Extinguishing to UL94V-2 Service

Temperature Range: -40°C to +70°C

Chemical Resistance: Sea water, detergents 10% aqueous, fuels, oils, white and industrial spirit.

Available in 4 lengths.

A) S83-1420 65mm Cable Marker Carrier
- Up to 7 x K65 Type Markers (5.8mm wide)
- Up to 9 x HO85 HellermanTyton Markers (4.5mm wide)
- Length 96mm
- Width 9mm
- Supplied in a pack of 500

B) S83-1422 96mm Cable Marker Carrier
- Up to 12 x K65 Type Markers (5.8mm wide)
- Up to 15 x HO85 HellermanTyton Markers (4.5mm wide)
- Length 96mm
- Width 9mm
- Supplied in a pack of 500

C) S83-1423 133mm Cable Marker Carrier
- Up to 18 x K65 K Type Markers (5.8mm wide)
- Up to 23 x HO85 HellermanTyton Markers (4.5mm wide)
- Length 133mm
- Width 9mm
- Supplied in a pack of 250

D) S83-1669 168mm Cable Marker Carrier
- Up to 26 x K65 Type Markers (5.8mm wide)
- Up to 33 x HO85 HellermanTyton Markers (4.5mm wide)
- Length 168mm
- Width 9mm
- Supplied in a pack of 250

PART NO.	DESCRIPTION
S83-1420	A) 65MM CABLE MARKER CARRIER PK500
S83-1422	B) 96MM CABLE MARKER CARRIER PK500
S83-1423	C) 133MM CABLE MARKER CARRIER PK250
S83-1669	D) 168MM CABLE MARKER CARRIER PK250

CRITCHLEY NUMBERS

Reels of 500 numerals from 0-9 for use with cable marker carrier. Versatile marking system for cables, cable bundles and conduit. The elliptical marker profile allows easy fitting to carrier strips, and contains large characters for good legibility. Four sizes of carrier strips holding from 7 to 28 markers are also available in addition to full K-type markers kits containing numbers, letters symbols and carriers strips.

Material: PVC Service Temperature Range: -45°C to +70°C
Chemical Resistance: Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.
Manufacturer's Part No: K65
Marker Type: 1361
Cable Diameter: 4.2 - 7.0mm²
For Cable Size: 4.0 - 10.0mm²
Marker Length: 6.0mm
Reel Quantity: 500

PART NO.	DESCRIPTION
S83-3080	CRITCHLEY K-TYPE BLACK ON YELLOW 0 PK500
S83-3081	CRITCHLEY K-TYPE BLACK ON YELLOW 1 PK500
S83-3082	CRITCHLEY K-TYPE BLACK ON YELLOW 2 PK500
S83-3083	CRITCHLEY K-TYPE BLACK ON YELLOW 3 PK500
S83-3084	CRITCHLEY K-TYPE BLACK ON YELLOW 4 PK500
S83-3085	CRITCHLEY K-TYPE BLACK ON YELLOW 5 PK500
S83-3086	CRITCHLEY K-TYPE BLACK ON YELLOW 6 PK500
S83-3087	CRITCHLEY K-TYPE BLACK ON YELLOW 7 PK500
S83-3088	CRITCHLEY K-TYPE BLACK ON YELLOW 8 PK500
S83-3089	CRITCHLEY K-TYPE BLACK ON YELLOW 9 PK500

K-TYPE MARKER BLACK ON YELLOW REFILL 0-9

Versatile marking system for cables, cable bundles and conduit. The elliptical marker profile allows easy fitting to carrier strips.

For Cable Size: 4.0 - 10.0mm²

Marker Length: 6.0mm

Pack size: 100 of each, numbers 0 to 9

PART NO.	DESCRIPTION
C71-3658	K-TYPE MARKER BLACK ON YELLOW REFILL 0-9 - PKT 100

CRITCHLEY SYMBOLS

Reels of 5 popular symbols from for use with cable marker carrier. Versatile marking system for cables, cable bundles and conduit. The elliptical marker profile allows easy fitting to carrier strips, and contains large characters for good legibility. Four sizes of carrier strips holding from 7 to 28 markers are also available in addition to full K-type markers kits containing numbers, letters symbols and carrier strips.

Material: PVC Service Temperature Range: -45°C to +70°C
Chemical Resistance: Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.
Manufacturer's Part No: K65
Marker Type: 1361
Cable Diameter: 4.2 - 7.0mm²
For Cable Size: 4.0 - 10.0mm²
Marker Length: 6.0mm
Reel Quantity: 500

PART NO.	DESCRIPTION
S83-3075	CRITCHLEY K-TYPE SYMBOL - PK500
S83-3076	CRITCHLEY K-TYPE SYMBOL , PK500
S83-3077	CRITCHLEY K-TYPE SYMBOL . PK500
S83-3078	CRITCHLEY K-TYPE SYMBOL / PK500
S83-3079	CRITCHLEY K-TYPE SYMBOL : PK500

CRITCHLEY K-TYPE® LETTERS A-Z

Reels of 500 alphabetical letters from A-Z for use with cable marker carrier. Versatile marking system for cables, cable bundles and conduit. The elliptical marker profile allows easy fitting to carrier strips, and contains large characters for good legibility. Four sizes of carrier strips holding from 7 to 28 markers are also available in addition to full K-type markers kits containing numbers, letters symbols and carrier strips.

Material: PVC Service Temperature Range: -45°C to +70°C
Chemical Resistance: Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.
Manufacturer's Part No: K65
Marker Type: 1361
Cable Diameter: 4.2 - 7.0mm²
For Cable Size: 4.0 - 10.0mm²
Marker Length: 6.0mm
Reel Quantity: 500

PART NO.	DESCRIPTION
S83-3090	CRITCHLEY K-TYPE BLACK ON YELLOW A PK500
S83-3091	CRITCHLEY K-TYPE BLACK ON YELLOW B PK500
S83-3092	CRITCHLEY K-TYPE BLACK ON YELLOW C PK500
S83-3093	CRITCHLEY K-TYPE BLACK ON YELLOW D PK500
S83-3094	CRITCHLEY K-TYPE BLACK ON YELLOW E PK500
S83-3095	CRITCHLEY K-TYPE BLACK ON YELLOW F PK500
S83-3096	CRITCHLEY K-TYPE BLACK ON YELLOW G PK500
S83-3097	CRITCHLEY K-TYPE BLACK ON YELLOW H PK500
S83-3098	CRITCHLEY K-TYPE BLACK ON YELLOW I PK500
S83-3099	CRITCHLEY K-TYPE BLACK ON YELLOW J PK500
S83-3100	CRITCHLEY K-TYPE BLACK ON YELLOW K PK500
S83-3101	CRITCHLEY K-TYPE BLACK ON YELLOW L PK500
S83-3102	CRITCHLEY K-TYPE BLACK ON YELLOW M PK500
S83-3103	CRITCHLEY K-TYPE BLACK ON YELLOW N PK500
S83-3104	CRITCHLEY K-TYPE BLACK ON YELLOW O PK500
S83-3105	CRITCHLEY K-TYPE BLACK ON YELLOW P PK500
S83-3106	CRITCHLEY K-TYPE BLACK ON YELLOW Q PK500
S83-3107	CRITCHLEY K-TYPE BLACK ON YELLOW R PK500
S83-3108	CRITCHLEY K-TYPE BLACK ON YELLOW S PK500
S83-3109	CRITCHLEY K-TYPE BLACK ON YELLOW T PK500
S83-3110	CRITCHLEY K-TYPE BLACK ON YELLOW U PK500
S83-3111	CRITCHLEY K-TYPE BLACK ON YELLOW V PK500
S83-3112	CRITCHLEY K-TYPE BLACK ON YELLOW W PK500
S83-3113	CRITCHLEY K-TYPE BLACK ON YELLOW X PK500
S83-3114	CRITCHLEY K-TYPE BLACK ON YELLOW Y PK500
S83-3115	CRITCHLEY K-TYPE BLACK ON YELLOW Z PK500

CONSUMABLES & CABLE MANAGEMENT

COLLET PAIRS

PVC collets for multi-pair cables.
Character height 2.5mm black on yellow.

Available in 1-50, 51-100 and 101-200.

PART NO.	DESCRIPTION
S83-2931	COLLET PAIR 1/50
S83-2932	COLLET PAIR 51/100
S83-2933	COLLET PAIR 101/200

OVALGRIP COLOUR CODED CABLE MARKERS

Colour coded Ovalgrip PVC cable markers that can be used for marking cable, conduit, switchgear etc. The markers have a specially designed profile that allows a single size to easily fit a range of cable diameters from 1.8 to 6.3mm. They can be applied directly to the cable before termination, or simply slide the markers onto a marker carrier strip and cable tie to the equipment to be marked. The Black on Yellow are popular in the telecommunication industry, with Tags Markers 1A and 2A together and Straps Cable fixing 1A (Mills S83-0904).

Black on White Labels Supplied in reels of 100.

Black on Yellow Labels Supplied in reels of 1000.

For Tag Markers & Straps Cable Fixing, see page 422 and 423.

Critchley Carrier Bars shown are designed to be used with the Oval Label Markers (HO85) and are available in 4 length, as follows;

A) S83-1420 65mm Cable Marker Carrier
Up to 9 x HO85 HellermanTyton Markers (4.5mm wide)

B) S83-1422 96mm Cable Marker Carrier
Up to 15 x HO85 HellermanTyton Markers (4.5mm wide)

C) S83-1423 133mm Cable Marker Carrier
Up to 23 x HO85 HellermanTyton Markers (4.5mm wide)

D) S83-1669 168mm Cable Marker Carrier
Up to 33 x HO85 HellermanTyton Markers (4.5mm wide)

For further details see page 424 and 425.

COLOURED CHARACTER OVAL MARKER (QTY 1000)

PART NO.	TYPE	PART NO.	TYPE
S83-1649	-	S83-1655	'3'
S83-1650	/	S83-1656	'5'
S83-1651	.	S83-1657	'6'
S83-1652	'0'	S83-1658	'7'
S83-1653	'1'	S83-1659	'8'
S83-1654	'2'	S83-1661	'9'

BLACK ON WHITE OVAL MARKER (QTY 100)

PART NO.	TYPE	PART NO.	TYPE
S83-2942	'0'	S83-2960	'I'
S83-2943	'1'	S83-2961	'J'
S83-2944	'2'	S83-2962	'K'
S83-2945	'3'	S83-2963	'L'
S83-2946	'4'	S83-2964	'M'
S83-2947	'5'	S83-2965	'N'
S83-2948	'6'	S83-2966	'O'
S83-2949	'7'	S83-2967	'P'
S83-2950	'8'	S83-2968	'Q'
S83-2951	'9'	S83-2969	'R'
S83-2952	'A'	S83-2970	'S'
S83-2953	'B'	S83-2971	'T'
S83-2954	'C'	S83-2972	'U'
S83-2955	'D'	S83-2973	'V'
S83-2956	'E'	S83-2974	'W'
S83-2957	'F'	S83-2975	'X'
S83-2958	'G'	S83-2976	'Y'
S83-2959	'H'	S83-2977	'Z'

BLACK ON YELLOW OVAL MARKER (QTY 1000)

PART NO.	TYPE	PART NO.	TYPE
S83-3127	'0'	S83-3145	'I'
S83-3128	'1'	S83-3146	'J'
S83-3129	'2'	S83-3147	'K'
S83-3130	'3'	S83-3148	'L'
S83-3131	'4'	S83-3149	'M'
S83-3132	'5'	S83-3150	'N'
S83-3133	'6'	S83-3151	'O'
S83-3134	'7'	S83-3152	'P'
S83-3135	'8'	S83-3153	'Q'
S83-3136	'9'	S83-3154	'R'
S83-3137	'A'	S83-3155	'S'
S83-3138	'B'	S83-3156	'T'
S83-3139	'C'	S83-3157	'U'
S83-3140	'D'	S83-3158	'V'
S83-3141	'E'	S83-3159	'W'
S83-3142	'F'	S83-3160	'X'
S83-3143	'G'	S83-3161	'Y'
S83-3144	'H'	S83-3162	'Z'

TEMPORARY MARKING PAINT

Durable, semi-permanent marking paint which has been specially formulated for stencil, applicator or freehand marking. Suitable for use on playing fields, roads and car parks, warehouses and golf courses.

The acrylic based paint provides a hard-wearing coverage.

Pack: 750ml Aerosol.

Available in Yellow, White, Green, Red or Blue.

PART NO.	DESCRIPTION
S83-2918	A) TEMPORARY MARKING PAINT 750ML YELLOW
S83-2919	B) TEMPORARY MARKING PAINT 750ML WHITE
S83-4801	C) TEMPORARY MARKING PAINT 750ML GREEN
S83-1397	D) TEMPORARY MARKING PAINT 750ML RED
S83-1398	E) TEMPORARY MARKING PAINT 750ML BLUE

PAINT MARKING APPLICATOR

Spray Paint Applicator available in 2 or 4 Wheel Versions designed for use with temporary marking paint facilitating trigger controlled line marking.

The applicator is easy to set up and use, and is fully adjustable to allow 2 to 3 inch adjustment in line and fits most sizes of line marking aerosols (600ml – 750ml).

The applicator uses a thumb push trigger for ease of application. It can be used to make spraying lines much easier.

PART NO.	DESCRIPTION
S83-2924	A) 2 WHEEL PAINT MARKING APPLICATOR
S83-2925	B) 4 WHEEL PAINT MARKING APPLICATOR

A) CRAYON MARKER

Cold surface markers for use on any material, even wet or oily surfaces. Suitable for temperatures between 45° and +65C°.

Colour: Yellow. Pack of 3.

B) ROAD MARKING CRAYONS YELLOW

These road marking crayons are made to a soft, yet Industrial quality formula meaning they mark with a clear, bold mark but last longer than an ordinary wax crayon.

Dimensions: Approx 125 x 20 x 20mm

Supplied in a box of 12.
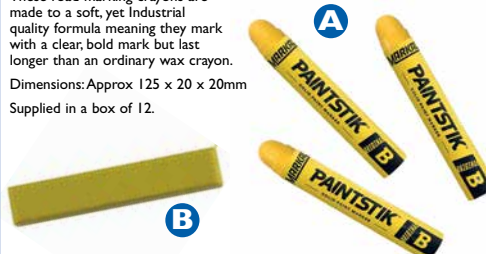
PART NO.	DESCRIPTION
R99-3263	A) CRAYON MARKER PK3
R99-3265	B) ROAD MARKING CRAYONS YELLOW - BOX OF 12

MARKER PENS

A) Pen Marker No.1
Permanent waterproof black marker pen for most surfaces with 0.6mm fine nib thickness providing smudge proof and waterproof qualities on almost all surfaces. Low odour ink and can be left uncapped for days without drying up.

B) Sharpie Fine Tip Pen Marker Gold No.2
Permanent waterproof gold marker pen with fine nib thickness providing smudge proof and waterproof qualities on almost all surfaces.

C) Sharpie Twin-Tip Marker
Permanent marker suitable for use on most hard surfaces. Features a standard durable fibre tip on one end and a ultra-fine tip on the other.   Ink colour: Black. Available in twin pack or packet of 12.

D) Sharpie fine point retractable permanent marker
Easy one-handed operation with no cap to remove or lose. Ultra Fine point for precise marking and writing. Ink Colour: Black. Available in a Packet of 12.

E) Sharpie Permanent Marker Set Fine Point Pk 4
Permanent ink marks on paper, plastic, metal and most other surfaces. Remarkably resilient ink dries quickly and resists fading and water. Fine tip for accurate lines, adding optimal precision and smooth ink flow. Includes: Black, Blue, Green and Red Sharpie Markers.

F) White Paint Marker 2.5mm Tip
Premium quality oil-based white paint marker pen can be used on almost any surface. Oil-Based pigment premium ink, non-toxic conforms to ASTM D4236 EN71-3, lightfast and water resistant.

PART NO.	DESCRIPTION
S83-0948	A) PEN MARKER NO.1
C71-9824	B) SHARPIE FINE TIP PEN MARKER GOLD NO.2
C71-9820	C) TWIN TIP FINE & ULTRA FINE X12 BLACK
C71-9826	D) RETRACTABLE FINE TIP X12 BLACK
C71-0627	E) SHARPIE PERMANENT MARKER SET FINE POINT PK 4
S83-0381	F) WHITE PAINT MARKER 2.5MM TIP

CONSUMABLES
& CABLE
MANAGEMENT

RHINO 4200 LABEL PRINTER

The Rhino 4200 is a compact, easy to use, time-saving, and economical general purpose labelling tool. It gets labelling jobs done fast – and done right. Easily navigate the familiar QWERTY keypad. Use one-touch "Hot Key" shortcuts to quickly create and format wire/cable wraps, flags, fixed-length labels and more. Print labels up to 19mm wide in a variety of materials and colours – PLUS print directly on heat-shrink tubes.

- Familiar computer-style QWERTY keyboard for fast and easy text entry
- Patented "Hot Keys" provide shortcuts for creating and formatting wire/cable wraps, flags, Barcode 39 and Barcode 128, fixed-length, general and module labels
- Print 6mm, 9mm, 12mm and 19mm wide industrial-strength labels in a variety of materials and colours – PLUS print directly on heat-shrink tubes
- "Favourites" key provides single-key access to your most commonly used labels, symbols and terms.

SEE OPPOSITE PAGE FOR LABELS

Available in Two packages:

RHINO 4200 Kit Case:
- Rhino 4200 Label Printer
- Carry case
- Lithium-ion rechargeable battery
- AC adaptor/charger
- 12 mm white vinyl label cartridge
- Quick Reference Guide

RHINO 4200 Label Printer Only:
- Rhino 4200 printer
- 12mm white vinyl cartridge
- Quick reference guide

PART NO.	DESCRIPTION
C28-4904	RHINO 4200 LABELLING PRINTER KIT CASE
C28-2869	RHINO 4200 LABELLING PRINTER ONLY

RHINO 5200 LABEL PRINTER & HARD CASE KIT

The RHINO 5200 meets all ANSI, TIA/EIA-606-A labelling standards.

Runs on 6 AA batteries (not included) – also compatible with quick-charging Lithium-ion battery (included with kit version or sold as an accessory – call sales for details). The RHINO 5200 also features a battery-life indicator and auto-shut-off to maximize battery life.

The portable, affordable Rhino 5200 is the ideal label printer for datacom, electrical, audio/visual, security, MRO, construction and broadcast professionals. It's the perfect labelling tool for work in real-world jobsite conditions.

Available in two packages:

RHINO 5200 Hard Case Kit
- Rhino 5200 Label Printer
- Durable, construction-quality carrying case
- One 19mm white vinyl cartridge (best for wrap applications)
- One 12mm white vinyl cartridge (best for panel applications)
- Lithium-ion battery
- AC adaptor
- Quick Reference Guide

RHINO 5200 Label Printer Only
- Rhino 5200 printer
- User Manual
- Quick reference guide
- 9mm white flexible nylon tape

SEE OPPOSITE PAGE FOR LABELS

PART NO.	DESCRIPTION
C28-1235	RHINO 5200 PRINTER HARD CASE KIT
C28-1236	RHINO 5200 PRINTER ONLY

DYMO RHINO 6000+ LABEL PRINTER KIT

Introducing the RHINO™ 6000+ - the latest in the range of top-quality labelling tools from RHINO™ - with PC Connectivity via DYMO® ID Software!

The most important thing for an installer from a labelling id is that it should be "easy to use"; the RHINO™ 6000+ has been designed with special features to make it just that: label cassettes can be loaded and unloaded with no hesitation; the generously sized LCD allows you to edit and preview multiple labels and the RHINO™ "hot-key" technology provides shortcuts to your most common applications.

Of course, the RHINO™ 6000+ also prints on the RHINO™ range of industrial-strength labels, which are built to withstand all kinds of harsh treatments including solvents, UV, moisture, harsh temperatures as well as being almost totally smudge-proof.

Delivering the highest level of performance at high-end installations, the RHINO™ 6000+ is built to remain your labelling tool of choice for a long, long time.

Features
- Create labels up to 24mm width
- Transfer files including barcodes from DYMO ID™ software* on PC to the Rhino 6000+ for easy editing on the job
- Meets key ANSI and TIA/EIA-606-B industry labeling standards

Kit includes
- Rhino 6000+ Printer
- Industrial Rhino white Vinyl 9 mm and Flexible Nylon 24 mm tapes
- Rechargeable Battery Pack
- AC Adapter
- USB cable
- Carry Case

SEE OPPOSITE PAGE FOR LABELS

PART NO.	DESCRIPTION
C28-3860	DYMO RHINO 6000+ LABEL PRINTER KIT

PERMANENT POLYESTER TAPES

Available in 6, 9, 12, 19 & 24mm wide, 5.5m in length, colour, white and metallic and now clear 9mm wide. **Suitable for outside use.**

PART NO.	DESCRIPTION
C28-3912	WHITE POLYESTER 6MM
C28-7703	WHITE POLYESTER 9MM
C28-7704	WHITE POLYESTER 12MM
C28-7705	WHITE POLYESTER 19MM
C28-4032	WHITE POLYESTER 24MM
C28-3913	METAL POLYESTER 6MM
C28-7706	METAL POLYESTER 9MM
C28-7707	METAL POLYESTER 12MM
C28-7708	METAL POLYESTER 19MM
C28-7965	CLEAR POLYESTER 9MM
C28-3915	CLEAR POLYESTER 12MM
C28-3916	CLEAR POLYESTER 19MM

FLEXIBLE NYLON TAPES

Available in 12, 19 and 24mm wide - 3.5m Length - Colour White and Yellow - Ideal for Cable Marking. **Not recommended for outside use.**

PART NO.	DESCRIPTION
C28-7710	WHITE NYLON 12MM
C28-7711	WHITE NYLON 19MM
C28-3922	WHITE NYLON 24MM
C28-7712	YELLOW NYLON 12MM
C28-7713	YELLOW NYLON 19MM
C28-3921	YELLOW NYLON 24MM

HEAT-SHRINK TUBE

A non-adhesive yet permanent polyolefin heat shrink tube to identify and protect wires and cables. The tubing meets MIL-DTL-23053/5 classes 1 & 3. The flame-retardant tubes have a shrink ratio of 3:1 and are available in yellow and white in widths of 6, 9, 12, 19 and 24mm.

Tapes are 1.5M long.

Recommended Cable Diameters

Tube size (mm)	Min Diam (mm)	Max Diam (mm)
6	1.18	2.33
9	1.73	3.73
12	2.97	5.13
19	4.64	8.70

PART NO.	DESCRIPTION
C28-8070	WHITE HEAT-SHRINK TUBE 6MM
C28-8071	WHITE HEAT-SHRINK TUBE 9MM
C28-8072	WHITE HEAT-SHRINK TUBE 12MM
C28-8073	WHITE HEAT-SHRINK TUBE 19MM
C28-3919	WHITE HEAT-SHRINK TUBE 24MM
C28-8074	YELLOW HEAT-SHRINK TUBE 6MM
C28-8075	YELLOW HEAT-SHRINK TUBE 9MM
C28-8076	YELLOW HEAT-SHRINK TUBE 12MM
C28-8077	YELLOW HEAT-SHRINK TUBE 19MM
C28-3920	YELLOW HEAT-SHRINK TUBE 24MM

COLOURED VINYL TAPE

Available 9, 12, 19 and 24mm wide – 5.5m in Length.

This coloured Vinyl Tape is formulated with a permanent acrylic adhesive and a topcoat specifically for thermal transfer printing.

Coloured Vinyl Tape is mainly used for general labelling (patch panels, electrical panels, datacom racks, etc.) and asset labelling.

Rhino label external cassettes are made from 100% recycled materials and their packaging is made from 80% recycled materials."

Suitable for outdoor usage.

BLACK TEXT

WIDTH	WHITE	YELLOW	ORANGE
9MM	C28-7962	N/A	N/A
12MM	C28-7963	C28-7951	C28-7954
19MM	C28-7964	C28-7952	C28-7955
24MM	C28-3925	C28-3926	C28-3927

SELF-LAMINATING VINYL TAPE

Protect your printed area from exposure (to oil, solvents, water and abrasion). Ideal for wire and cable marking.

PART NO.	DESCRIPTION
C28-0491	WHITE SELF-LAMINATING VINYL TAPE 24MM

CONSUMABLES & CABLE MANAGEMENT

BROTHER PT-E110VP LABEL PRINTER

Create labels in various colour combinations and widths that have been tested in extreme conditions to make sure they stick around for a long time. With dedicated functions and smart keys to make common labelling tasks quick and easy, and everything supplied in a hard carry case. The PT-E110VP is an invaluable tool for electricians and other professional trades.

Key Features:
- Create durable labels up to 12mm in width
- Dedicated functions for common labelling tasks
- 200 symbols including electrician, audio visual and Network Infrastructure
- Built-in cutter for accurate labelling
- Includes AC adapter, full length 8m flexi id black on white tape cassette and handy carry case

PART NO.	DESCRIPTION
C92-4950	BROTHER PT-E110VP LABEL PRINTER

BROTHER PT-E550WVPNI NETWORK INFRASTRUCTURE LABEL PRINTER

When it comes to network infrastructure labelling, don't leave it to chance, leave it to a Brother label printer. You'll be able to produce clear, durable laminated labels instantly on-site, helping you to achieve a professional and best practice finish every time.

Create labels for network cables and patch panels on-demand with this Wi-Fi enabled label printer. Use stand-alone, or with one of the smartphone apps available to streamline your cable labelling processes.

Key Features:
- Dedicated functions for cable labelling perfect for outlet points, cable pathways, server cabinets and more
- Range of free mobile/tablet apps that let you print industry ready labels and even connect to your Fluke Networks Linkware Live account
- PC connectivity makes professional label design and database transfer easy
- Advanced cutter for easy-to-peel labels
- Includes 2 tape cassettes, AC adapter, lithium-ion battery, USB cable and carry case
- Prints 3.5, 6, 9, 12, 18 and 24mm labels

PART NO.	DESCRIPTION
C92-3588	BROTHER PT-E550WVPNI NETWORK INFRASTRUCTURE LABEL PRINTER
C92-5886	PT-E550WVP ELECTRICIAN'S HANDHELD LABEL PRINTER (SEE OUR WEBSITE FOR FURTHER SPECIFICATIONS)

BROTHER P-TOUCH E300VP HANDHELD PRINTER LABEL KIT

In electrical and datacom installations, clear, robust labelling is crucial – and the P-Touch PT-E300VP with carry case has been designed to make the process easier than ever before.

It's a durably engineered machine with a rechargeable battery and AC adapter that makes printing labels from 3.5 to 18mm wide simple. And it's also compatible with high-grade and self-laminating tapes, as well as heat-shrink tubes.

Key Features:
- Prints hard-wearing labels up to 18mm wide
- Up to 20mm per second print speed + lines of print
- QWERTY style keyboard 15 character, 2-line, backlit LCD screen
- Time and date printing function, 168 electrical and audio/visual specific symbols
- Convenient manual cutter with pause function
- Comes with carry case, wrist strap and rechargeable Li-ion battery pack

PART NO.	DESCRIPTION
C92-5102	BROTHER P-TOUCH E300VP HANDHELD PRINTER LABEL KIT

FLEXIBLE ID FZEFX TAPE

Ideal for curved surfaces such as cables, pipes and conduits, these labels can be flagged or wrapped. 8m length.

PART NO.	DESCRIPTION
C92-4969	FLEXIBLE ID FZEFX TAPE - YELLOW - 18MM

STANDARD TZE LAMINATED TAPES

Suitable for heavy industrial use, retail and office environments and ideal for labelling patch panels, modules, wall outlets. 8m length.

PART NO.	DESCRIPTION
C92-4957	STANDARD TZE LAMINATED TAPES - YELLOW - 18MM

12V - 24V CHARGER SUITABLE FOR BROTHER P-TOUCH HANDHELD PRINTERS

2000mA Universal IC Regulated DC/DC Converter suitable for use with Brother P-Touch Handheld Printers.

Features
12 or 24 Volt DC input
- Switch selectable output voltage 1.5/3/4.5/6/7.5/9/ 12 Volt DC
- Plugs directly into vehicle cigarette lighter socket
- "E" approved for vehicle applications
- Supplied with a set of 6 popular output connectors

PART NO.	DESCRIPTION
C92-5107	12V - 24V CHARGER SUITABLE FOR BROTHER P-TOUCH HANDHELD PRINTERS

STANDARD TZE LAMINATED TAPES

Suitable for heavy industrial use, retail and office environments and ideal for labelling patch panels, modules, wall outlets. Can be used on cables and conduit for flagging or wrapping - however the Flexible ID FZe-FX tapes are recommended for such applications.

8m length and available in four sizes and four colours.

brother at your side

WIDTH	WHITE	YELLOW	RED	CLEAR
9MM	C92-4947	C92-4955	C92-4958	C92-4961
12MM	C92-4948	C92-4956	C92-4959	C92-4962
18MM	C92-4949	C92-4957	C92-4960	C92-4963
24MM	C92-3605	C92-3606	-	-

STRONG ADHESIVE TAPE

Compatible with a wide range of Brother's P-touch printers, this laminated TZe-S231 labelling tape cassette is especially versatile thanks to its easy-to-read black and white colour – so it comes in useful around the home, office and in other workplaces.

Key Features:
- 12mm wide, 8m long
- High quality genuine Brother cassette
- Ensure durable, easily readable results

PART NO.	DESCRIPTION
C92-3589	12MM BLACK ON WHITE STRONG ADHESIVE TAPE
C92-3592	12MM BLACK ON YELLOW STRONG ADHESIVE TAPE
C92-3593	12MM BLACK ON CLEAR STRONG ADHESIVE TAPE
C92-3594	18MM BLACK ON WHITE STRONG ADHESIVE TAPE
C92-3595	18MM BLACK ON YELLOW STRONG ADHESIVE TAPE
C92-3596	18MM BLACK ON CLEAR STRONG ADHESIVE TAPE
C92-3597	24MM BLACK ON WHITE STRONG ADHESIVE TAPE
C92-3598	24MM BLACK ON YELLOW STRONG ADHESIVE TAPE
C92-3601	24MM BLACK ON CLEAR STRONG ADHESIVE TAPE

HEAT SHRINK TUBES

Ideal as a tamper evident method of cable identification as the label is not easy to remove. Black on White.
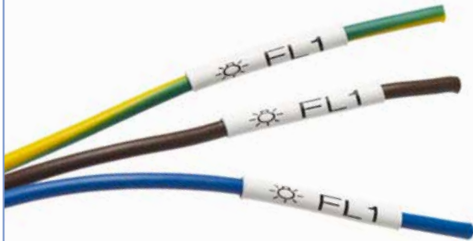
For marking of patch leads and cables.
1.5m length available in five popular sizes:

A) 5.8mm for 1.7 - 3.2mm cable.

B) 8.8mm for 2.6 -5.1mm cable.

C) 11.7mm for 3.6 - 7mm cable.

D) 17.7mm for 5.4 - 10.6mm cable.

E) 23.6mm for 7.3 - 14.3mm cable.

brother at your side

PART NO.	DESCRIPTION
C92-4951	A) BLACK ON WHITE HEAT SHRINK TUBE - 5.8MM
C92-4952	B) BLACK ON WHITE HEAT SHRINK TUBE - 8.8MM
C92-4953	C) BLACK ON WHITE HEAT SHRINK TUBE - 11.7MM
C92-4954	D) BLACK ON WHITE HEAT SHRINK TUBE - 17.7MM
C92-3602	E) BLACK ON WHITE HEAT SHRINK TUBE - 23.6MM

FLEXIBLE ID FZEFX TAPES

Ideal for curved surfaces such as cables, pipes and conduits, these labels can be flagged or wrapped. 8m length and available in black on white and black on yellow in three sizes.

brother at your side

WIDTH	WHITE	YELLOW
9MM	C92-4964	C92-4967
12MM	C92-4965	C92-4968
18MM	C92-4966	C92-4969

CONSUMABLES & CABLE MANAGEMENT

BRADY M210 PORTABLE LABEL PRINTER KIT

The M210 Portable Label Printer is an all-in-one labeller for voice/datacom, electrical and general industrial teams. Offering drop-lock-and-go cartridges, plus a rechargeable Lithium-ion battery, plus protective rubber bumpers, plus a two-year warranty adds up to the brains and brawn needed to take on the day-to-day rigours of any job.

- Engineered long lasting material quality: prints durable true-sized 6 – 19 mm wide identification to maximise amount of data
- Adjust the length of the labels using the high performance continuous material
- Fulfil your requirements with up to 7 different industry specified materials that last
- Extremely rugged and durable: drop tested printer, super rugged with moulded rubber bumpers provide optimal protection from falls
- Ergonomic cutter and label grabber, holding the label after cutting, preventing it from falling out
- Easy to use: ABC keypad, graphics library, hot keys and menu functions for fast label creation. Multi-functional accessory with magnet, flashlight and retractable printer stand for easy handling
- Smart Cell Technology for automatic label setup and automatic formatting for wire wraps, terminal blocks, patch panels, cable flags and general labels

PART NO.	DESCRIPTION
C28-0433	BRADY M210 PORTABLE LABEL PRINTER KIT UK

BRADY M211 LABEL PRINTER KIT

Design, preview and print labels – all from your phone. This M211 Label Printer Kit includes various printer accessories for maximum labelling efficiency.

- Use the M211 Label Printer, Express Labels Mobile App and a phone to create and print labels
- Hard case protects and stores printer, labels and accessories
- Belt Clip provides hands-free transport
- Power Brick charges label printer, phone or tablet
- Seamlessly connect to your printer via Bluetooth 5.0
- Glance the on-board printer LED-indicators to check battery life, connectivity and remaining labels

PART NO.	DESCRIPTION
C28-0434	BRADY M211 LABEL PRINTER KIT

BRADY VINYL LABELS

B-595 vinyl will adhere to difficult low surface energy items, including: PVC piping, blow-moulded equipment cases, ABS plastics, powder-coated surfaces and equipment made from recycled plastics. The B-595 material also excels at sticking to highly textured surfaces such as painted cinder block walls, finished uneven wood, textured plastics, rough-pipes and paper-jacketed pipes.

- Brady Material Type: Vinyl
- Label Properties: Aggressive Adhesive, Harsh Environment, Outdoor Durable, Permanent Adhesive
- Application(s): Component and equipment labelling, Electrical labelling, Facility identification, Floor marking, Laboratory labelling, Lean and 5S labelling, Pipe and valve marking, Warehouse marking
- Finish: Gloss
- Printer Compatibility: BMP21-LAB, BMP21-PLUS, M210, M210-LAB, M211
- Available in three colour options

PART NO.	DESCRIPTION
C28-0436	BRADY VINYL LABEL BLACK ON WHITE 9.53MM(W) X 6.40MM(L)
C28-0439	BRADY VINYL LABEL BLACK ON WHITE 12.7MM(W) X 6.40MM(L)
C28-0442	BRADY VINYL LABEL BLACK ON WHITE 19.05MM(W) X 6.40MM(L)
C28-0437	BRADY VINYL LABEL BLACK ON YELLOW 9.53MM(W) X 6.40MM(L)
C28-0440	BRADY VINYL LABEL BLACK ON YELLOW 12.7MM(W) X 6.40MM(L)
C28-0443	BRADY VINYL LABEL BLACK ON YELLOW 19.05MM(W) X 6.40MM(L)
C28-0435	BRADY VINYL LABEL WHITE ON BLUE 9.53MM(W) X 6.40MM(L)
C28-0438	BRADY VINYL LABEL WHITE ON BLUE 12.7MM(W) X 6.40MM(L)
C28-0441	BRADY VINYL LABEL WHITE ON BLUE 19.05MM(W) X 6.40MM(L)

BRADY BMP51 LABEL PRINTER KIT

When you need clear, durable labels on the spot, you need the BMP51 Label Printer from Brady. It offers crisp printing, easy formatting, convenient label sizes, and portability required for electrical and datacom installations, laboratory identification, facility and safety labelling.

- BMP51: Laboratory identification specialist. Extensive material knowledge combined with chemical expertise enables Brady to develop durable labels that perform throughout sample storage and processing.
- Change supplies in seconds. Hassle free drop-in cartridges have both the label material & ribbon inside
- Automatic label formatting. Cartridges feature smart cell technology that tells the printer how to correctly format your label
- Quick to print. Prints 25.40 mm per second – which means no more waiting around for labels to print
- Battery options for portability. Use with the AC power supply, AA-batteries or simply with the rechargeable Li-Ion battery which allows you to print over 3,000 labels on a single charge
- Wireless capabilities - compatible with mobile apps. Built-in Bluetooth® technology and the optional Wi-Fi card provide wireless printing options
- This printer comes with a free Brady WorkStation Basic Design Software Suite, enabling you to immediately start designing professional labels

PART NO.	DESCRIPTION
C28-0412	BRADY BMP51 LABEL PRINTER KIT

BRADY VINYL LABELS FOR BMP51 PRINTER

Durable, low-shrink vinyl with our most aggressive adhesive. Conforms to irregular, curved, rough and highly textured surfaces (painted cinder blocks, uneven wood, textured plastics, paper jacketed pipes, powder coated surfaces). Also adheres to difficult low energy surface items (PVC piping, blow-moulded equipment cases, ABS plastics, recycled plastics).

- Available in Four colour options

PART NO.	DESCRIPTION
C28-0417	BLACK ON WHITE VINYL LABEL 9.53MM
C28-0421	BLACK ON WHITE VINYL LABEL 12.7MM
C28-0425	BLACK ON WHITE VINYL LABEL 19.05MM
C28-0415	BLACK ON WHITE VINYL LABEL 25.4MM
C28-0429	BLACK ON WHITE VINYL LABEL 38.10MM
C28-0419	WHITE ON BLACK VINYL LABEL 12.7MM
C28-0423	WHITE ON BLACK VINYL LABEL 19.05MM
C28-0413	WHITE ON BLACK VINYL LABEL 25.4MM
C28-0427	WHITE ON BLACK VINYL LABEL 38.10MM
C28-0418	BLACK ON YELLOW VINYL LABEL 9.53MM
C28-0422	BLACK ON YELLOW VINYL LABEL 12.7MM
C28-0426	BLACK ON YELLOW VINYL LABEL 19.05MM
C28-0416	BLACK ON YELLOW VINYL LABEL 25.4MM
C28-0430	BLACK ON YELLOW VINYL LABEL 38.10MM
C28-0420	WHITE ON BLUE VINYL LABEL 12.7MM
C28-0424	WHITE ON BLUE VINYL LABEL 19.05MM
C28-0414	WHITE ON BLUE VINYL LABEL 25.4MM
C28-0428	WHITE ON BLUE VINYL LABEL 38.10MM

BRADY WIRE-CABLE FLAG LABEL FOR BMP51 PRINTER

Ideal for marking Fibre Optic cables, permits you to handle and view labels without touching the wires.

- Dimensions: 30.00 mm (W) x 40.01 mm (H)
- Colour: Black on White
- Brady Material Type: Polypropylene
- Label Properties: Harsh Environment, Permanent Adhesive
- Finish: Matt
- Printer Compatibility: BMP51, BMP53

PART NO.	DESCRIPTION
C28-0431	BRADY BLACK ON WHITE WIRE-CABLE FLAG LABEL FOR BMP51 PRINTER

BRADY LABEL MAKER TAGS FOR BMP51 PRINTER

- Dimensions: 76.20 mm (W) x 19.05 mm (H)
- Colour: Black on White
- Brady Material Type: Polyethylene
- Finish: Matt
- Printer Compatibility: BMP51, BMP53
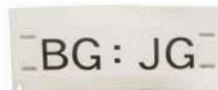
PART NO.	DESCRIPTION
C28-0432	BRADY LABEL MAKER TAGS FOR BMP51 PRINTER

BRADY M610 LABEL PRINTER

Get the durability your work demands. Do more with enhanced capabilities like Bluetooth connectivity, mimilitary-gradehock resistance, below-freezing operating temps, and the widest range of data entry options. Plus, print up to 4,500 labels on a full charge. This printer ships in a hard case.

- Design and print labels using a keypad, mobile app, or desktop software
- Work longer with an enhanced Gen3 Li-ION battery – print 4,500 labels on a full charge
- Stay connected wherever your work happens with enhanced Bluetooth technology
- Easily import and export label files, lists, and graphics to the printer through USB 2.0 port (Type A and B) or USB flash drive
- Print labels at 50.80 mm per second print speed
- Get added durability with a printer that is resistant to military-grade shocks (MIL-STD-810G) and 1.80 m drops
- Operate your printer in -18° - 46°C temperatures

C28-0459
This printer comes with the Brady Product & Wire Identification Suite.
C28-0457
This printer comes with a Brady WorkStation Product & Wire Identification Suite, enabling you to immediately start designing professional labels.

PART NO.	DESCRIPTION
C28-0458	BRADY M610 LABEL PRINTER QWERTY UK BT
C28-0459	BRADY M610 LABEL PRINTER QWERTY UK BWS PWID SUITE
C28-0457	BRADY M610 LABEL PRINTER QWERTY UK BT PWID UK WORK STATION

BRADY CABLE TAG AND PIANOI LABELS

A) Brady Cable Tag Label for Mass Transit.
Brady's Mass Transit Tag complies with minimal smoke and halogen emission requirements of the strictest underground norms for mass transit vehicles. Printable both on-site and in the field, the tag is a practical solution for mass transit manufacturers to identify thick cables and cable bundles.

- Colours: White, Yellow
- Brady Material Type: Polyolefin
- Finish: Matt
- Printer Compatibility: BMP61, BMP71

B) Brady Pianoi Label. Durable PIANOI labels with print professional quality, using the Brady M610 portable label printer.

- Labels supplied blank.
- Label content can be configured to specific user requirements.
- Supplied in a pre-perforated strip
- Material: Polyethylene
- Colours: White Yellow
- For use with the M61-6610 Ribbon Cartridge.

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
C28-0404	A) 10MM(W) X 60MM(H) WHITE (BOX250)	C28-0407	A) 10MM(W) X 75MM(H) YELLOW (BOX250)
C28-0406	A) 10MM(W) X 75MM(H) WHITE (BOX250)	C28-0409	A) 15MM(W) X 75MM(H) YELLOW (BOX250)
C28-0408	A) 15MM(W) X 75MM(H) WHITE (BOX250)	C28-0411	A) 25MM(W) X 75MM(H) YELLOW (BOX250)
C28-0410	A) 25MM(W) X 75MM(H) WHITE (BOX250)	C28-0400	B) 35 X 102 WHITE BLANK (BOX)
C28-0405	A) 10MM(W) X 60MM(H) YELLOW (BOX250)	C28-0481	B) 35 X 102 YELLOW BLANK (BOX)

VINYL LABELS

A) Self Laminated Label for M610 White 63.50MM x 25.40MM (Pack 100). Vinyl self-laminating white labels allow you to mark wires and cables after cabling. Markings are protected by a covering ideal for wet and oily environments.

B) Brady Flag Labels For M610 20MM x 30MM (PK 250). Brady PTLFT-01-425 Polypropylene Flag Label 30 x 20mm White supplied on a roll of 250.

C) Brady Vinyl ID Label White 12.47MM x 15.24MM. Flexible vinyl labels for general industrial identification that conform well to various smooth or rough surfaces.
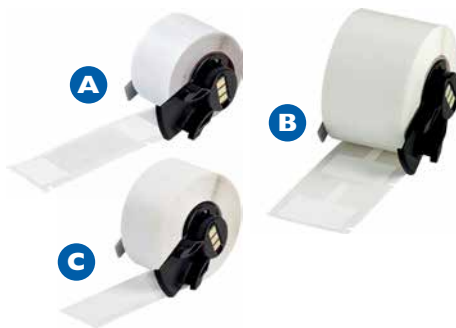
PART NO.	DESCRIPTION
C28-0465	A) SELF LAMINATED LABEL FOR M610 WHITE 63.50MM X 25.40MM (PACK 100)
C28-0462	B) BRADY FLAG LABELS FOR M610 20MM X 30MM (PK 250)
C28-0464	C) BRADY VINYL ID LABEL WHITE 12.47MM X 15.24MM

BRADY M610 POLYESTER TIE-ON CABLE TAG 15X75MM YELLOW - PK250

For data and telecommunications wire and cable.

- Gloss finish
- Colour Yellow
- For use with M610, BMP61, BMP71, M611 printers
- For use with ribbon R6010

PART NO.	DESCRIPTION
C28-0468	BRADY M610 POLYESTER TIE-ON CABLE TAG 15X75MM YELLOW - PK250

BRADY RIBBON CARTRIDGES

- Roll width: 50.8mm
- Roll length: 22.8m

C28-0471
High heat and scratch and solvent resistant. Halogen free.

C28-0472
Friction and solvent resistant.

C28-0472
Chemical, environmental and smear resistant.

PART NO.	DESCRIPTION
C28-0471	M61-R6010 FOR BMP61 & M611 LABEL PRINTERS
C28-0472	M61-R6610 FOR BMP61 & M611 LABEL PRINTERS
C28-0466	M61-R4310 FOR BMP61 & M611 LABEL PRINTERS

A) HELLERMANNTYTON TT431 THERMAL TRANSFER PRINTER

The TT431 thermal transfer printer is perfect for printing on HellermannTyton materials such as self-adhesive labels, shrinkable tubing and TipTag identification tags. Thanks to its low weight and compact construction, the TT431 integrates seamlessly into any workstation. It is easy to use due to its intuitive colour LCD touch display and clear status messages which can be shown in multiple languages.

The optional cutter and perforator make this printer ideal for a wide range of applications. 300 dpi resolution ensures that barcodes, warning symbols, logos and text are as sharp as they can be.

Features
- Small to medium volume single sided printing
- Print on HellermannTyton cable markers and labels
- Uses standard ribbons
- Barcodes: standard and 2D
- Print speed up to 150 mm/s
- Adjustable label sensor
- Multiple language selection
- Windows drivers: 32/64 bit for Windows Vista, Windows 7, 8 and 10

Label Compatibility
- Label Height Max 4000mm - Min 5mm
- Label Width Max 105.7mm - Min 10mm

Dimensions
- L x H x W 322 mm x 187.5 mm x 253mm

B) HELLERMANNTYTON TAGPRINT PRO 4.0 LABEL PRINTING SOFTWARE

TagPrint Pro 4.0 provides revolutionary label design simplicity and ease of use. With industry-leading print automation built in, users can create a label or an entire group of labels once and save under a single job number, along with additional data such as which printer to print to. Then, simply scan a bar code or enter the job number to open the group and print in one step. This significantly reduces production time and operator-related errors. TagPrint Pro is pre-loaded with popular, code-compliant safety and solar label designs to simplify common tasks.

C) HELLERMANNTYTON THERMAL TRANSFER PRINTER RIBBON FOR TT431 PRINTER

Consists of a special resin composition. In combination with our identification materials the printing is high resistant against high temperatures, scratches and chemicals. The thermal transfer print technology is based on heating up certain dots in the print head. This transfers the ink very precisely from the ribbon onto the surface of the printed material.

D) HELLERMANNTYTON TIPTAG TIE-ON CABLE LABELS

The Tiptag HF cable markers have been designed to identify microduct and cable bundles.

Tiptag HF is halogen free and its material properties show low smoke propagation, density and toxicity. Tiptags are presented in a special perforated format which include fastening slots for easy fitting with cable ties.

PART NO.	DESCRIPTION
C71-0420	A) HELLERMANNTYTON TT431 THERMAL TRANSFER PRINTER
C71-0421	B) HELLERMANNTYTON TAGPRINT PRO 4.0 LABEL PRINTING SOFTWARE
C71-0422	C) HELLERMANNTYTON THERMAL TRANSFER PRINTER RIBBON FOR TT431 PRINTER
C71-0425	D) HELLERMANNTYTON TIPTAG TIE-ON CABLE LABEL 11 X 65MM PK190
C71-0423	D) HELLERMANNTYTON TIPTAG TIE-ON CABLE LABEL 11 X 100MM PK120
C71-0424	D) HELLERMANNTYTON TIPTAG TIE-ON CABLE LABEL 15 X 100MM PK120

CONSUMABLES & CABLE MANAGEMENT

Mills

COUNTERSUNK AND ROUNDHEAD POZI DRIVE™ WOODSCREWS

Pozi Drive™ Woodscrews.
Supplied in Boxes of 200.

PART NO.	DESCRIPTION
A) COUNTERSUNK POZI DRIVE™ WOODSCREWS	
R07-2224	NO.8 X 3/4" COUNTERSUNK POZI™ PKT 200
R07-2225	NO.8 X 1" COUNTERSUNK POZI™ PKT 200
R07-2226	NO.8 X 11/4 " COUNTERSUNK POZI™ PKT 200
R07-2227	NO.8 X 11/2 " COUNTERSUNK POZI™ PKT 200
R07-2229	NO.8 X 2" COUNTERSUNK POZI™ PKT 200
R07-2230	NO.10 X 3/4" COUNTERSUNK POZI™ PKT 200
R07-2231	NO.10X 1" COUNTERSUNK POZI™ PKT 200
R07-2232	NO.10 X 11/4" COUNTERSUNK POZI™ PKT 200
R07-2233	NO.10 X 11/2 " COUNTERSUNK POZI™ PKT 200
R07-2234	NO.10X 2" COUNTERSUNK POZI™ PKT 200
R02-1663	NO.10 X 2 1/2" COUNTERSUNK POZI™ PK 100
R02-1662	NO.12 X 2 1/2" COUNTERSUNK POZI™ PK 200
S83-0859	NO.12X 1" COUNTERSUNK POZI™ PKT 200
S83-2927	NO.12X 11/2" COUNTERSUNK POZI™ PKT 200
S83-2928	NO.12X 2" COUNTERSUNK POZI™ PKT 200
R02-1662	NO.12 X 2.1/2" COUNTERSUNK POZI WOOD SCREW PK 200
S83-1823	NO 12 X 3" COUNTERSUNK POZI WOOD SCREW PK 200
B) PANHEAD POZI DRIVE™ WOODSCREWS	
R07-2235	NO.8 X 3/4" PANHEAD POZI™ PKT 200
R07-2236	NO.8 X 1" PANHEAD POZI™ PKT 200
R07-2237	NO.8 X 11/4" PANHEAD POZI™ PKT 200
R07-2238	NO.8 X 11/2" PANHEAD POZI™ PKT 200
R07-1747	NO.12 X 1" PANHEAD POZI WOOD SCREW PK 200
R07-1748	NO.12 X 1.1/2" PANHEAD POZI WOOD SCREW PK 200
R07-1749	NO.12 X 2" PANHEAD POZI WOOD SCREW PK 200

COUNTERSUNK AND PANHEAD POZI DRIVE™ SELF TAPPING SCREWS

PART NO.	DESCRIPTION
A) COUNTERSUNK POZI™ DRIVE SELF TAPPING SCREWS PKT 200	
R07-2213	NO.8 X 3/4" C/TERSUNK POZI™ SELF-TAPPING
R07-2214	NO.8 X 1" C/TERSUNK POZI™ SELF-TAPPING
R07-2215	NO.8 X 11/4" C/TERSUNK POZI™ SELF-TAPPING
R07-2216	NO.8 X 11/2" C/TERSUNK POZI™ SELF-TAPPING
B) PANHEAD POZI™ DRIVE SELF-TAPPING SCREWS PKT 200	
R07-2217	NO.8 X 3/4" PANHEAD POZI™ SELF-TAP.
R07-2218	NO.8 X 1" PANHEAD POZI™ SELF-TAP.
R07-2219	NO.8 X 11/4" PANHEAD POZI™ SELF-TAP.
R07-2220	NO.8 X 11/2" PANHEAD POZI™ SELF-TAP.

DRYWALL SCREWS PKT 100

Countersunk Phillips drywall screws are ideal for fastening dry lining and plasterboard to studwork. These screws have a twin thread and sharp point for fast installation and benefit from a black phosphate finish for durability.

PART NO.	DESCRIPTION
R02-2210	25MM DRYWALL SCREW PKT 100
R02-2211	32MM DRYWALL SCREW PKT 100
R02-2212	38MM DRYWALL SCREW PKT 100

TWINTHREAD POZI SCREW TRADE PACK

1400-piece pack of assorted countersunk twinthread pozidrive screws.

Comprising:

- 200 x 1" x 8
- 200 x 2" x 8
- 100 x 2 1/2" x 10
- 200 x 1 1/4" x 8
- 200 x 2 1/2" x 8
- 100 x 3" x 10
- 200 x 1 1/2" x 8
- 100 x 3" x 8
- 100 x 4" x 10

PART NO.	DESCRIPTION
F70-2540	TWINTHREAD POZI SCREW TRADE PACK

DEWALT WALL DOG MULTIPURPOSE COUNTERSUNK SELF-TAPPING SCREWS

All-steel fixing that can be used in most base materials including concrete requiring no plastic plugs. No pre-drilling required in wood or plasterboard. Suitable for installing fire clips, consumer units, back boxes, conduit, trunking and smoke alarms.

No Plastic Plugs Required.

Available in 32mm length, White or Chrome coloured head and countersunk or panhead.

Supplied in Pkt of 100.

PART NO.	DESCRIPTION
R02-1602	COUNTERSUNK SELF-TAPPING SCREWS 32MM WHITE PK100
R02-1603	COUNTERSUNK SELF-TAPPING SCREWS 32MM CHROME PK100
R02-1606	PANHEAD SELF-TAPPING SCREWS 32MM WHITE PK100
R02-1607	PANHEAD SELF-TAPPING SCREWS 32MM CHROME PK100

WALL PIN PLUGS

A) Wall Pin Plugs 5.5mm x 20mm for cable clips / nails. The pin plug provides the ideal fixing in situations, where the substrate is too hard to take a masonry nail or cable clip. Supplied in a box 100.

B) These yellow plugs are moulded with protruding side fins which restrict rotation The fixings require a 5mm drill and are suitable for screw sizes No 6 - No 8 - Ref: 073142 Supplied in a box 100.

C) These red plugs are moulded with protruding side fins which restrict rotation fixings require a 5.5mm drill and are suitable for screw sizes No 8 - No 10. Ref: 070882. Supplied in a box 100.

D) These brown plugs are moulded with protruding side fins which restrict rotation type fixings require a 7mm drill and are suitable for screw sizes No 10 - No 14 Ref: 070883 Supplied in a box 100.

PART NO.	DESCRIPTION
R02-1392	A) WALL PIN PLUGS PK 100
R02-2221	B) 5.0MM YELLOW EXPANSION PLUGS PK 100
R02-2222	C) 5.5MM RED EXPANSION PLUGS PK 100
R02-2223	D) 7.0MM BROWN EXPANSION PLUGS PK 100

PLASTERBOARD SCREW 32MM SIZE 1 PK100

Quick and easy to install. 32mm long and can be used in single or double thickness plasterboard.

Ideal for electrical sockets, light switches

Quick and easy to install. Can be used in single or double thickness plasterboard.

No drill required.

Supplied in a pack of 100.

PART NO.	DESCRIPTION
R02-2257	PLASTERBOARD SCREW 32MM SIZE 1 PK100

CAVITY WALL SCREWS

One piece steel fixing with screw. Anti-rotation teeth pierce plasterboard to ensure firm anchorage.

Suitable for use in most types of hollow walls, fibreboard, plasterboard and partitions.

Available in two sizes and supplied in Pkt 50.

Size 1 - Grip Range 6 - 13mm

Size 2 - Grip Range 16 - 32mm

PART NO.	DESCRIPTION
R02-2258	SIZE 1 - GRIP RANGE 6 - 13MM PKT 50
R02-2259	SIZE 2 - GRIP RANGE 16 - 32MM PKT 50

LOOSE BOLT ANCHORS

Traditional zinc plated torque controlled expansion anchor for installation of racking, hand rails, barriers and storage systems. Three-piece segmented body. Captive expansion cone.

PART NO.	SIZE	LENGTH	MAX FITTING THICKNESS	DRILL SIZE	PKT SIZE
R02-2249	M6	55MM	10MM	10MM	1
R02-2250	M8	65MM	10MM	14MM	1
R02-2251	M10	75MM	10MM	16MM	1
S83-2869	M10	85MM	25MM	16MM	20
R02-2252	M10	90MM	25MM	16MM	1

PROJECTION BOLTS

General purpose anchor bolt with projecting stud to support fixture during installation and removal. Excellent tolerance to variation in hole size.

PART NUMBER	SIZE	LENGTH	MAX FITTING THICKNESS	DRILL SIZE	PKT SIZE
S83-1854	M6	55MM	10MM	10MM	20
R02-2253	M6	55MM	10MM	10MM	1
R02-2254	M8	65MM	15MM	14MM	1
R02-2255	M10	75MM	10MM	16MM	1
S83-1773	M10	90MM	30MM	16MM	25

A) EYEBOLT EXPANDING 1A

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M6 thread. This is the preferred method of attaching a dropwire to brickwork at end users' premises. Overhead single point fixing bolt. Ring size 12mm. Required hole size 12mm x 50mm. Ref: 016445.

B) EYEBOLT EXPANDING 2A

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M10 thread. This is the preferred method of attaching a dropwire to the end users premises, where the walls are rendered. Ring size:14mm. Required Hole size: 16mm diameter x 95mm depth. Box 20. Ref: 016442 / 021689 / 023041.

C) EYEBOLT M8

Eyebolt M8 x 95mm for use with Catenary Wire Kits (R02-7028) and associated accessories.

Provides temporary or permanent anchorage in stone, concrete or brickwork. Supplied with shield, washer and hex nut.

D) EYEBOLT EXPANDING 2B

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M10 thread and a length of 205mm. This is the preferred method of attaching a dropwire to the end user's premises, where the walls are clad. Ring size 23mm ID with 40mm OD.

E) EYEBOLT EXPANDING 2C

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M10 thread and a length of 255mm. This is the preferred method of attaching a dropwire to the end users premises, where the walls are heavily clad. Ring size 23mm ID with 40mm OD.

PART NO.	DESCRIPTION
S83-1853	A) EYEBOLT EXPANDING 1A PKT 20
S83-0901	B) EYEBOLT EXPANDING 2A PKT 20
R02-7024	C) EYEBOLT M8 (SINGLE)

PART NO.	DESCRIPTION
S83-2626	D) EYEBOLT EXPANDING 2B
S83-2628	E) EYEBOLT EXPANDING 2C

HANDY PACK OF 100 ASSORTED JUBILEE CLIPS

This Jubilee® Handy Pack includes 100 clips with ten each of the ten most popular sizes, facilitating connections from 9.5mm up to 50mm.

Contains the following clips:

- 10 x 000 Mild Steel 9.5-12mm.
- 10 x M00 Mild Steel 11-16mm.
- 10 x 00 Mild Steel 13-20mm.
- 10 x 0 Mild Steel 16-22mm.
- 10 x 0X Mild Steel 18-25mm.
- 10 x 1A Mild Steel 22-30mm.
- 10 x 1 Mild Steel 25-35mm.
- 10 x 1X Mild Steel 30-40mm.
- 10 x 1M Mild Steel 32-45mm.
- 10 x 2A Mild Steel 35-50mm.

PART NO.	DESCRIPTION
S99-1050	HANDY PACK OF 100 ASSORTED JUBILEE CLIPS

FIRE RESISTANT METAL NAIL CLIPS

Metal nail fixing solutions provide a quick and simple way of securing cables to meet the requirements of BS7671, which imposes the use of metal fixings to secure wiring systems within the escape routes of buildings. Suitable for a range of cable sizes, from 4.5mm to 11.0mm diameter. Meets the requirements of BS7671, 3rd Amendment 7th Edition-Available in 4.5,7, and 11mm, Black or White.

PART NO.	DESCRIPTION
R02-1319	FIRE RESISTANT METAL NAIL CLIPS SSNC4.5 BLACK PK 50
R02-1320	FIRE RESISTANT METAL NAIL CLIPS SSNC4.5 WHITE PK 50
R02-1322	FIRE RESISTANT METAL NAIL CLIPS SSNC7.0 BLACK PK 50
R02-1323	FIRE RESISTANT METAL NAIL CLIPS SSNC7.0 WHITE PK 50
R02-1388	FIRE RESISTANT METAL NAIL CLIPS SSNC11.0 BLACK PK 50
R02-1389	FIRE RESISTANT METAL NAIL CLIPS SSNC11.0 WHITE PK 50

FIBRE DROP CABLE CLEATS

Specialist cable cleats for CommScope Easy Access and Corning ROC Drop Cable.

- Supplied in black.
- Pack of 100

PART NO.	DESCRIPTION
R02-2587	FIBRE DROP CABLE CLEATS PK100

CABLE CLEATS FOR HYBRID CABLE

Box of black cable cleats for use with COF820 hybrid cable

- Hardened extra length pins
- Countersunk pin holder avoids splitting
- Can accept a No.6-No.8 Woodscrew if required
- Supplied in a box of 100

Ref 080809

PART NO.	DESCRIPTION
R02-4312	CABLE CLEATS FOR HYBRID CABLE PK 100

PIN STEEL NO.2 PK200

Hardened steel pin with captive washer for attaching labels to poles including pre-climb test labels, Caution Overhead Fibre and Pole Plastic Letters & Numbers.
Overall length 30mm (1 1/8").
Supplied in box of 200.

Ref: 070864.

PART NO.	DESCRIPTION
S83-1746	PIN STEEL NO.2 PK200

NAIL BONDING

Galvanised steel round headed nail 45mm long x 5mm diameter and used in conjunction with Washer Galvanised 19 for securing Aluminium Strip and Cappings to poles.

Supplied in a 5kg box.

Ref: 072034.

PART NO.	DESCRIPTION
S83-2672	NAIL BONDING

FUSION CABLE CLIPS FOR ROUND, TWIN AND EARTH CABLES

Plastic, saddle type cable clips with a single captive hardened zinc plated pin, ideal for voice cables. Supplied in packs of 100 in the following sizes in both black and white, with suitability for voice and power cable sizes as shown.

PART NO.	DESCRIPTION
R02-8336	3.5MM WHITE (100) 2 PAIR
R02-8337	3.5MM BLACK (100) 2 PAIR
R02-8338	4.0MM WHITE (100) 3 PAIR
R02-8339	4.0MM BLACK (100) 3 PAIR
R02-8340	5.0MM WHITE (100) 4 PAIR
R02-8341	5.0MM BLACK (100) 4 PAIR
R02-8342	6.0MM WHITE (100) 6 PAIR
R02-8343	6.0MM BLACK (100) 6 PAIR
S83-0838	CLEAT WIRING 11B BLACK (FOR DROPWIRE)
R02-8344	7.0MM WHITE (100) 10 PAIR
R02-8345	7.0MM BLACK (100) 10 PAIR
R02-8346	8.0MM WHITE (100) 10 PAIR + E
R02-8347	8.0MM BLACK (100) 10 PAIR + E
R02-8348	9.0MM WHITE (100) 20 PAIR
R02-8349	9.0MM BLACK (100) 20 PAIR
R02-8350	10.0MM WHITE (100) 20 PAIR + E
R02-8351	10.0MM BLACK (100) 20 PAIR + E
R02-8352	11.0MM WHITE (100) 30 PAIR
R02-8353	11.0MM BLACK (100) 30 PAIR
R02-8354	14.0MM WHITE (50) 40 PAIR + E
R02-8355	14.0MM BLACK (50) 40 PAIR + E
R02-8356	16.0MM WHITE (50) 50 PAIR + E
R02-8357	16.0MM BLACK (50) 50 PAIR + E

STAPLES GALVANISED

A) Galvanised steel staple, "U" shaped approximately 40mm wide and used to retain single strand suspension wire to poles when making a termination.

Ref:16270.

B) Galvanised steel staple, "U" shaped approximately 50mm wide. Used to retain multi strand suspension wire and CAC's to poles when making a termination.

Ref: 016271.
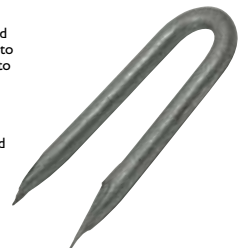
PART NO.	DESCRIPTION
S83-2857	40MM STAPLE PK 1KG
S83-2858	65MM STAPLE PK 1KG

CONSUMABLES
& CABLE
MANAGEMENT

LINIAN

FASTER. SAFER. SIMPLER.

FAST AND EASY TO INSTALL

No need for plugs, screws and washers – just drill your hole, slide our clip over the cable, and push it into the wall.

Drill a hole in your substrate. We suggest a Ø6mm hole at a depth of 30mm.
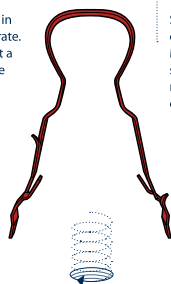
Slide the clip over the cable. Make sure it's seated in the rounded area of the clip.
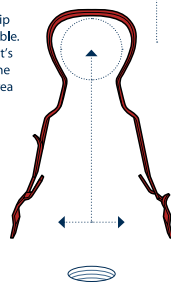
Compress and push it home. Pinch the legs together and push into the hole by hand.
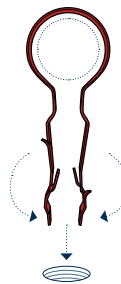
THE INDUSTRY STANDARD

Fast becoming the industry standard Linian Clip meets all current industry regulations, and surpasses a few too.

British Standards:
– BS7671: Amendment 3
– BS7671: 18th Edition 2018
– BSEN50200 PH120
– BS8519: 2010

European Standards:
– DIN 4102-12 E90

4mm — 21mm
Soft skin, flex and round cables. Single and Doubles.

Versatile
Can hold cable from Ø4mm up to Ø21mm. Available in a variety of colours including Red, Black or White.

Mills
EST. 1918

LINIAN FIRE CLIPS

To suit cable diameters from 4mm – 11mm and support a weight of up to 24kg. Supplied in a pack of 100.

For cables
4-12mm

24kg
Tensile Load

PART NO.	DESCRIPTION
R02-1400	FIRECLIP, SINGLE, BLACK 4-6MM
R02-1401	FIRECLIP, SINGLE, RED, 4-6MM
R02-1402	FIRECLIP, SINGLE, RED, 6-8MM
R02-1403	FIRECLIP, SINGLE, BLACK, 6-8MM
R02-1404	FIRECLIP, SINGLE, WHITE, 6-8MM
R02-1405	FIRECLIP, DOUBLE, RED, 6-8MM
R02-1406	FIRECLIP, SINGLE, RED, 9-11MM
R02-1407	FIRECLIP, DOUBLE, RED, 9-11MM
R02-1408	FIRECLIP, SINGLE, WHITE, 9-11MM
R02-1409	FIRECLIP, SINGLE, BLACK 9-11MM
R02-1410	FIRECLIP, DOUBLE, WHITE, 9-11MM
R02-1437	LINIAN FIRECLIP WHITE SINGLE 4-6MM PK100

LINIAN SUPERCLIPS (SWA)

Designed specifically for conduit, armoured (SWA) and grouped cables. Suitable for all substrates and provides a robust fixing designed to enable significant rotational stress and to support an impressive tensile load of 44kg.

Supplied in a pack of 25

For cables
& conduits
12-25mm

44kg
Tensile Load

PART NO.	DESCRIPTION
R02-1411	SUPERCLIP, BLACK, 12-14MM
R02-1412	SUPERCLIP, RED, 12-14MM
R02-1413	SUPERCLIP, WHITE, 12-14MM
R02-1414	SUPERCLIP, BLACK, 15-18MM
R02-1415	SUPERCLIP, RED, 15-18MM
R02-1416	SUPERCLIP, BLACK, 18-20MM
R02-1417	SUPERCLIP, WHITE, 18-20MM
R02-1418	SUPERCLIP, RED, 18-20MM
R02-1419	SUPERCLIP, GALV, 18-20MM
R02-1420	SUPERCLIP, BLACK, 20-22MM
R02-1421	SUPERCLIP, BLACK, 23-25MM
R02-1422	SUPERCLIP, GALV, 23-25MM
R02-1423	SUPERCLIP, WHITE, 23-25MM

LINIAN NANOCLIP™

A) The NanoClip™ is a fire-safe, 18th Edition compliant cable clip designed to fit 2mm and 3mm Fibre Optic cables, hearing loop cables and other small diameter cables.

B) R02-1436 setting tool for the insertion of 2 & 3mm Linian Nanoclips.

Standard Colours: White/Black/Brown.

Supplied in a pack of 100.

A

B

PART NO.	DESCRIPTION
R02-1430	A) NANOCLIP, WHITE, 2MM
R02-1431	A) NANOCLIP, WHITE, 3MM
R02-1432	A) NANOCLIP, BLACK, 2MM
R02-1433	A) NANOCLIP, BLACK, 3MM
R02-1434	A) NANOCLIP, BROWN, 2MM
R02-1435	A) NANOCLIP, BROWN, 3MM
R02-1436	B) SETTING TOOL FOR NANOCLIP

LINIAN TWIN AND EARTH CLIPS

- 9mm x 5mm (1.5mm T&E Clip) Grey
- 10mm x 5mm (2.5mm T&E Clip) Grey

Other sizes and colours available on request.

Supplied in a pack of 100.

For cables
1-10mm

24kg
Tensile Load

PART NO.	DESCRIPTION
R02-1424	T & E CLIP, GREY, 1.5MM
R02-1425	T & CLIP, GREY, 2.5MM

LINIAN COAXIAL CLIP™

Linian's Coaxial Clip™ range includes the RG59 Coaxial (Shotgun) Cable Clip (cable diameter 13mm x 4mm).

Supplied in a pack of 100.

For Coaxial
Cables

24kg
Tensile Load

PART NO.	DESCRIPTION
R02-1426	RG59 COAX CABLE CLIP (SHOTGUN), WHITE, 4MM
R02-1427	RG59 COAX CABLE CLIP (SHOTGUN) BLACK 4MM

CONSUMABLES & CABLE MANAGEMENT

CABLE TACKERS

A) S57-0589 Tacwise CT45 Telco Cable Tacker

This compact die-cast metal-bodied telco cable tacker features an impact depth adjuster for when working with different materials hard/soft wood.

Perfect for working with cables up to 4.5mm in diameter such as telephone 6 pair, alarm to BS4773 and alarm 4 core.

Uses the Type CT-45 staples (8-10mm) but is also compatible with Rapid R28 staples.

All Tacwise hand tackers come with a 3-year guarantee.

B) S57-0591 Tacwise CT-60 Combined Telco and CATV Cable Tacker

Features a new advanced system for recoiless action, incorporates many safety features, delivers brilliant performance and results when securing cables into tight spaces.

It fires both Tacwise 4.5 and 6mm cable staples CT45 and CT-60 staples, between 8 - 14mm leg lengths.

It is the perfect hand cable tool to neatly fix Cat5, Cat6, coaxial 1mm white & brown and satellite coaxial screened cables.

All Tacwise hand tackers come with a 3-year guarantee.

TACWISE CT-45 & CT-60 STAPLES

High quality, cable staples, conveniently boxed in 5 x 1000 packs.

Available in:
• CT-45 8mm, 10mm, 12mm & 14mm, galvanised and CT-45 10mm white.
• CT-60 12mm & 14mm, galvanised and CT-60 14mm white.

PART NO.	DESCRIPTION
S57-0589	A) TACWISE Z3-CT45 TELCO CABLE TACKER
S57-0591	B) TACWISE CATV & TELCO COMBI CABLE TACKER
S57-0608	CT-45/8 8MM GALV. STAPLES (PK 5000)
S57-0609	CT-45/10 10MM GALV. STAPLES (PK 5000)
S57-0610	CT-45/10 10MM WHITE STAPLES (PK 5000)
S57-0611	CT-60/12 12MM GALV. STAPLES (PK 5000)
S57-0612	CT-60/14 14MM GALV. STAPLES (PK 5000)
S57-0613	CT-60/14 14MM WHITE STAPLES (PK 5000)

A) STANLEY T10X 2-IN-1 CABLE TACKER

The Stanley T10X 2-in-1 Cable Tacker fires round and flat staples for wire and general tacking.

B) STANLEY TYPE 7 CT100 CABLE STAPLES 10MM PACK OF 1000

Curved head staples, ideal for securing telephone cable and other low voltage wire. Supplied in a handy plastic box of 1,000 staples.

PART NO.	DESCRIPTION
S57-5461	A) STANLEY T10X 2-IN-1 CABLE TACKER
S57-1958	B) STANLEY TYPE 7 CT100 CABLE STAPLES 10MM PACK OF 1000

A) TACWISE A54 (TYPE 140) HAMMER TACKER

B) Tacwise 140/12mm Stainless Steel Staples - Box of 2000
Pack of 2000 x type 140/12mm stainless steel staples, equivalent to Stanley Type G, Rapid 140 and Arrow T50 staples.

PART NO.	DESCRIPTION
S83-0646	A) TACWISE A54 (TYPE 140) HAMMER TACKER
S83-0647	B) TACWISE 140/12MM STAINLESS STEEL STAPLES - BOX OF 2000

TACKER AND STAPLES (FLAT)

A) Stanley SharpShooter Heavy-Duty Staple Gun
The Stanley 0-TR150HL SharpShooter Staple Gun is a heavy-duty staple and brad nail gun with aluminium housing for added durability and long-lasting usability. It is designed for thin woods and sheet materials and suitable for applications such as gardening, wire netting, insulation, beading, fencing, trim work, and panelling.

B) Stanley Heavy Duty Staple/Nail Gun
A heavy duty staple and brad nail gun with aluminium housing for added durability and long-lasting usability. Designed for use on thin woods and sheet materials and suitable for applications such as gardening, wire netting, insulation, beading, fencing, trim work and panelling.

C) Stanley SharpShooter TRA7 Heavy-Duty Staples 14mm
Pack of 1000 Stanley TRA709T Heavy-Duty Staples 14mm. Also known as Type: 4, 11 or 140.

PART NO.	DESCRIPTION
S57-0614	A) STANLEY SHARPSHOOTER HEAVY-DUTY STAPLE GUN
S57-0580	B) STANLEY HEAVY DUTY STAPLE/NAIL GUN
S57-0615	C) STANLEY SHARPSHOOTER TRA7 HEAVY-DUTY STAPLES 14MM

A) CATENARY WIRE KIT

A comprehensive kit required for overhead cabling, comprising:

- 50m length 3.0mm catenary wire
- 8mm tad hook/eye (turnbuckle)
- 1 x closed 50mm hook plate
- 1 x open 50mm closed plate
- 4 x 3mm wire grip
- 2 x 3mm wire thimbles

B) CATENARY WIRE CUTTER

For the cutting of wire rope up to a maximum diameter of 5mm and spring wire up to 1.5mm diameter. Length 190mm.

PART NO.	DESCRIPTION
R02-7028	A) CATENARY WIRE KIT
E00-6861	B) MILLS HEAVY DUTY FIBRE CABLE CUTTER

50M X 3MM CATENARY WIRE AND 8MM TAD HOOK/EYE (TURNBUCKLE)

PART NO.	DESCRIPTION
R02-7020	A) 50M X 3MM CATENARY WIRE
R02-7021	B) TAD HOOK/EYE TURNBUCKLE

CATENARY WIRE 3MM X 100M

100M x 3mm Catenary Wire for use with Catenary Wire Kit and accessories.

- Maximum load capacity: 155 Kg (Approx)
- 7 x 7 construction

PART NO.	DESCRIPTION
R02-0670	CATENARY WIRE 3MM X 100M

50MM HOOK PLATES

Available open or closed

PART NO.	DESCRIPTION
R02-7022	A) 50MM HOOK PLATE OPEN
R02-7023	B) 50MM HOOK PLATE CLOSED

3MM WIRE GRIPS AND 3MM WIRE THIMBLES

Supplied individually
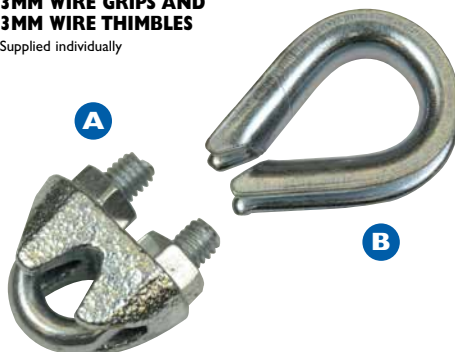
PART NO.	DESCRIPTION
R02-7026	A) 3MM WIRE GRIPS EACH
R02-7027	B) 3MM WIRE THIMBLES EACH

TAPE CABLING ADHESIVE 50MM

A high quality cotton fabric coated on both sides with black rubber.

Used for providing mechanical protection against abrasion and penetration of cable, splices and wire. Also used or securing cable grips to cables.

Width: 50mm.

Length: 20m.

Ref: 211343, 072129

PART NO.	DESCRIPTION
S83-0836	TAPE CABLING 50MM

TAPE SELF AMALGAMATING

For taped joints when using underground closures. Supplied on 10m rolls.

Available in 19mm, 25mm and 50mm widths.

PART NO.	DESCRIPTION
R02-7702	TAPE SELF AMALGAMATING 19MM
R02-3395	TAPE SELF AMALGAMATING 25MM
R02-3396	TAPE SELF AMALGAMATING 50MM

ANTI-RODENT ELECTRICAL INSULATION TAPE

An easy to use, effective solution for protection of cables, wires, plumbing pipes, gas pipes & ducts against rodent damage.

The tape is embedded with capsules containing Capsaicin which are repellant to rats and mice. Simply wrap the tape around wire and pipes for a long-term deterrent to rodents.

Uses: Protection of Cables, wires, plastics, washing machine pipes, plumbing pipes & gas pipes.

The tape can be applied around surfaces, wires and pipes where rodent damage may occur.

PART NO.	DESCRIPTION
R02-0068	ANTI-RODENT ELECTRICAL INSULATION TAPE 19MM X 20M

ELECTRICIANS PVC TAPES

Self-extinguishing & flame retardant. Conforms to BSEN 60454/3. 33 metres long by 19mm wide rolls.

PART NO.	DESCRIPTION
R99-5386	BLACK PVC TAPE
R99-3803	RED PVC TAPE
R99-5388	WHITE PVC TAPE
R99-5389	YELLOW PVC TAPE
R99-3804	BLUE PVC TAPE
R99-1216	GREEN & YELLOW PVC TAPE

TAPE DENSYL

Denso Tape is a cold applied tape which remains plastic over a wide temperature range.

It is highly resistant to mineral acids, alkalis, salts and micro-organisms and highly impermeable to water, water vapour and gases.

It is also non-hardening and non-cracking.

Available in 10m reel, 50 and 75mm widths

PART NO.	DESCRIPTION
S83-2914	TAPE DENSYL 50MM X 10M
S83-2915	TAPE DENSYL 75MM X 10M

GAFFER (CLOTH) TAPE

Heavy duty, cloth backed adhesive tape with high tack adhesive for use where normal PVC tape would lose adhesion due to the ingress of water.

Often used to fix cables to floor/walls etc and for general repairs.

Supplied on a 50 metre rolls, and available in widths from 19-96mm

Colours: Silver, Black or Yellow
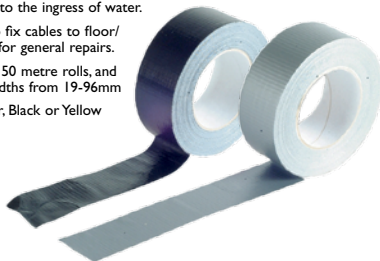
PART NO.	DESCRIPTION
R02-7969	GAFFER (CLOTH) TAPE SILVER 50MM X 50M
R02-7968	GAFFER (CLOTH) TAPE SILVER 75MM X 50M
R02-7967	GAFFER (CLOTH) TAPE SILVER 96MM X 50M
R02-7702	GAFFER (CLOTH) TAPE BLACK 19MM X 50M
R02-7700	GAFFER (CLOTH) TAPE BLACK 50MM X 50M
R02-7701	GAFFER (CLOTH) TAPE BLACK 75MM X 50M
S00-0010	GAFFER (CLOTH) TAPE YELLOW 50MM X 50M

TAPE PVC

High Quality 0.15mm premium quality, electrical self-extinguishing soft PVC tape which uses an aggressive pressure sensitive rubber-based adhesive system. This tape is used by the leading telecom utilities and offers excellent resistance to abrasion, corrosion and moisture. This tape is approved by IMQ, VDE, ÖVE, CEBEC, SEMKO, NEMKO, DEMKO, conforms to BS3924 and European Directive 2000/53 EC (lead, chromium VI, mercury, cadmium free) Service temperature 0°C to + 90°C providing good adhesion properties at low temperature (till -10°C).

Scapa

PART NO.	DESCRIPTION
S83-3271	TAPE PVC 12MM BLACK
S83-0899	TAPE PVC 25MM BLACK
S83-3277	TAPE PVC 25MM BLUE
S83-3281	TAPE PVC 25MM WHITE
S83-0900	TAPE PVC 25MM YELLOW
S83-0898	TAPE PVC 50MM BLACK

CAUTION FIBRE OPTIC CABLE BELOW – DETECTABLE UNDERGROUND WARNING TAPE

Detectable underground warning / marker tape made using waved wires of stainless steel that can be detected when below ground level.

- Brightly coloured plastic identification tracer tape
- Marks the position of buried electrical cables
- 100% virgin plastic (acid & alkali resistant)
- Colour: Green
- Dimensions: 150mm x 100m

PART NO.	DESCRIPTION
R99-4022	CAUTION FIBRE OPTIC CABLE BELOW – DETECTABLE UNDERGROUND WARNING TAPE 150MM X 100M

TAPE REINFORCING 50MM

Tape Reinforcing 50mm. Used to reinforce Sheets Rubber. Self-adehsive when used for temporarily closed pressurised cable joints. Length 10m.

PART NO.	DESCRIPTION
S83-0837	TAPE REINFORCING 50MM

BLACK SINGLE SIDED FOAM TAPE

Quick and easy to use multi-functional foam tape.

High performance acrylic adhesive on one side, suitable both internal and external applications.

Service Temperature:-30°C to 70°C.

Minimum of 30% Compression Required for Water Sealing Uses.

Width: 15mm

Length: 50m

PART NO.	DESCRIPTION
C92-3590	BLACK SINGLE SIDED FOAM TAPE 15MM X 50M

A) CROSS WEAVE TAPE 50MM X 50M

Reinforced filament tape, extra strong adhesive tape for very demanding sealing, securing, reinforcing and packaging situations. Ideal to use with heavy boxes and container boxes. Width: 50mm x Length: 50 metres

B) BROWN POLYPROPYLENE PACKING TAPE 48MM X 50M

High-quality brown self-adhesive polypropylene tape used for sealing and securing a wide variety of parcels and packages. Width: 48 mm x Length: 50 m.

PART NO.	DESCRIPTION
R99-1704	A) CROSS WEAVE TAPE 50MM X 50M
D99-0036	B) BROWN POLYPROPYLENE PACKING TAPE 48MM X 50M

TAPE CAUTION FIBRE OPTIC CABLE

Green plastic heavy duty warning / marker tape. Resistant to impact, acids, alkalis and rot. Size 150mm x 365m. (no tracer wire)

PART NO.	DESCRIPTION
R99-3270	TAPE CAUTION FIBRE OPTIC CABLE

A) BARRIER TAPE RED / WHITE 500M

Non-adhesive Barrier Tape in Red / White 70mm x 500m.

B) BARRIER TAPE BLACK / YELLOW 500M

Non-adhesive Barrier Tape in Black / Yellow 70mm x 500m.

PART NO.	DESCRIPTION
S00-4262	A) BARRIER TAPE RED / WHITE 500M
S00-8115	B) BARRIER TAPE BLACK / YELLOW 500M

TAPE HAZARD WARNING

A widely used PVC striped self-adhesive tape suitable for a number of applications, including marking aisles, corridors, loading bays, warehouse bins and sports halls or to highlight hazardous areas.

Available Yellow/Black and Red White

Length: 33m

Width: 50mm.

PART NO.	DESCRIPTION
R99-3267	YELLOW/BLACK TAPE HAZARD WARNING
R99-3268	RED/WHITE TAPE HAZARD WARNING

FROGTAPE LOW TACK MASKING TAPE

FrogTape® Delicate Surface is a low tack masking tape for a multitude of uses including keeping low profile fibre cabling in place during glue curing

For standard uses on freshly painted surfaces, most coated wallpaper and newly plastered walls. Designed for use with Emulsion Paint. For best results remove FrogTape® immediately after painting. FrogTape® Delicate Surface is UV resistant and can be applied in direct sunlight. It is ideal for creating stripes and paint effects.

Width: 36mm. Length: 41.1 metres.

PART NO.	DESCRIPTION
R99-2001	FROGTAPE LOW TACK MASKING TAPE 36MM X 41.1M

CONSUMABLES & CABLE MANAGEMENT

Mills

MILLS HEAVY DUTY ANTIBACTERIAL HANDWIPES - TUB OF 75.

Antibacterial hand wipes supplied in a tub of 75.

Wipe size: Size 200 x 260mm.

Tough, fast, safe and convenient wipes designed to remove a wide range of soils such as paint, adhesives, oil, grease, silicone, grime and dirt. They are ideal for cleaning hands, tools and hard surfaces.

Contains ingredients to moisturise hands and prevent drying out.

Not for use on face/near eyes. Dermatologically tested.

Also effective against MRSA, C. Diff., E. Coli 157, Weils (from rats), Salmonella, Staphylococcus and Listeria.

PART NO.	DESCRIPTION
R99-6590	MILLS HEAVY DUTY ANTIBACTERIAL HANDWIPES

ORCA HAND SANITISER GEL

Premium quality 70% alcohol hand sanitiser gel. Instantly sanitises hands with no need to rinse. 250ml bottle

Features
- 70% alcohol formula
- Kills 99.99% germs & viruses
- Contains moisturisers
- Crystal clear, non-sticky formulation
- FDA registered: NDC 81251-761

Contains Ethyl Alcohol (Denat.) [CAS No. 64-17-5] 0.70g/100g

PART NO.	DESCRIPTION
R99-1608	ORCA HAND SANITISER GEL (70% ALCOHOL) - 250ML

HAND SANITISER GEL (70% ALCOHOL)

Pocket-sized alcohol based instant hand sanitiser that kills 99.9% of germs without the use of water. Can be used anytime, anyplace, without the need for water or towels.

Contains 70% Alcohol.

PART NO.	DESCRIPTION
R99-1620	HAND SANITISER GEL (70% ALCOHOL) - 100ML

BIG WIPES ANTIBACTERIAL INDUSTRIAL WIPES

Heavy duty BIG WIPES Antibacterial Industrial wipes contain the unique Advanced Hi-Tech Big Wipes cleaning formula.

Contains Advanced Hi-Tech Big Wipes Cleaning Formula - Complies with ECC Cosmetic Standards - Contains 120 3 Layer Wipes - 20cm x 30cm

Suitable for removal of paint, adhesive, PU foam, silicone, sealants, oil and grime.

Cosmetically graded and dermatologically tested.

Also effective against MRSA, C. Diff., E. Coli 157, Weils (from rats), Salmonella, Staphylococcus and Listeria.

Biodegradable.

PART NO.	DESCRIPTION
R99-5795	BIG WIPES ANTIBACTERIAL INDUSTRIAL WIPES 120 TUB

SURESAN ANTIBACTERIAL UNIVERSAL WIPES

Suresan Antibacterial Universal Wipes reliably remove 99.9% of bacteria on the hands and on different surfaces. 72 x 170 x 160mm wipes packed into a resealable pack. Suitable for hands and body. Kills 99.9% of bacteria.

PART NO.	DESCRIPTION
R99-1685	SURESAN ANTIBACTERIAL UNIVERSAL WIPES PK 72

ROZALEX DRI-GUARD BARRIER CREAM 450ML

Dri-Guard is an application specific barrier cream for protection against dry, oil or solvent based materials.

Typical Commercial Applications:

Manufacturing, Engineering, Oil & Gas, Automotive, Ship building, Civil Engineering, Printing, Welding, Building Trades, Painting & Decorating etc Supplied in 450ml tubs.

PART NO.	DESCRIPTION
S83-1758	ROZALEX DRI-GUARD BARRIER CREAM 450ML

SWARFEGA ORANGE HAND CLEANER PUMP TOP BOTTLE 4 LITRE

Swarfega Orange is an advanced formulation, solvent-free heavy-duty hand cleanser containing natural cornmeal for a deep-down cleaning action and moisturiser to help care for skin.

Removes ingrained oil, grease and general grime.

The pump provides controlled dosages and prevents the product from cross-contamination.

PART NO.	DESCRIPTION
R99-0586	SWARFEGA ORANGE HAND CLEANER PUMP TOP BOTTLE 4 LITRE

CALYPSO SUN LOTION SPF50

Calypso Sun Lotion SPF50 with gentle moisturisers offers UVA/UVB protection and helps prevent premature ageing.

Available in 50ml and 150ml sizes.

PART NO.	DESCRIPTION
B19-0005	A) CALYPSO SUN LOTION SPF50 150ML
R99-2007	B) CALYPSO SUN LOTION SPF50 50ML

A) ABRASIVE CLEAN UP STRIPS PK 10

Monument Abrasive Clean Up Strips, 180 grit silicone clean up strips of abrasive waterproof open mesh material for a multitude of cleaning jobs such as roughing up pipe, cleaning inside fittings (can be cut into small strips), deburring metal and wooden surfaces.

B) SCOURING PAD 230MM X 150MM PK 10

Scouring Pad. 230mm x 150mm Pk 10.

PART NO.	DESCRIPTION
H70-7395	A) ABRASIVE CLEAN UP STRIPS PK 10
S99-7384	B) SCOURING PAD 230MM X 150MM PK 10

ANTI-STATIC FOAM CLEANER

Ideal for all hard surfaces such as VDU's, computer casings and office equipment. Prevents build-up of static electricity & dust. Safe on all plastics and non-flammable. Available in 200ml and 400ml aerosol cans. Ozone friendly.

PART NO.	DESCRIPTION
R90-3003	A) ANTI-STATIC FOAM CLEANER 400ML
R90-3002	B) ANTI-STATIC FOAM CLEANER 200ML

MICROCARE STICKLERS MULTICLEAN MULTITASK SURFACE CLEANER 400ML

MultiClean, provides fast and safe cleaning in almost any production environment. High purity IPA and D.I. water is well suited for cleaning medical devices, electronics, stencils, work benches, tools, production machinery, and any surface that requires hygienic grade cleaning. Supplied in 400ml aerosol cans.

PART NO.	DESCRIPTION
C05-1648	MICROCARE STICKLERS MULTICLEAN MULTITASK SURFACE CLEANER 400ML

GRAFFITI REMOVAL AND PROTECTION PRODUCTS

A range of product to prevent and remove graffiti including wipes liquids and sealers,

A) R99-7657 Graffiti Wipes
Each pouch contains 15 super tough and absorbent safe graffiti wipes all saturated with our easy-off safe graffiti remover. These non-harmful, alcohol-free anti-graffiti cleaning wipes quickly remove unwanted graffiti tags, spray paint murals and permanent marker pen-based graffiti.

B) R99-7658 Easy-off Safe Graffiti Remover
Spray clean 100% of unwanted graffiti from vandalised non-porous surfaces and are effective at removing graffiti from around 80% of porous surfaces too. Supplied in 500ml Spray.

C) R99-7659 Easy-off Safe Graffiti Remover liquid
Clean 100% of unwanted graffiti from vandalised non-porous surfaces and are effective at removing graffiti from around 80% of porous surfaces too. Supplied in 25 litre containers.

Easy-on Clear Glaze Anti-Graffiti Coating
Easy-on permanent anti-graffiti coating is a transparent, graffiti resistant finish for all internal and external walls, bridges, subways, murals and street art.

Applied by brush, roller or spray, one coat easy-on anti-graffiti clear glaze cures to a graffiti resistant finish in 4 hours and easily withstands hundreds of graffiti removal operations over its proven 20-year life. Easy-on anti-graffiti coating is effective against all types of graffiti media including permanent marker pen, spray paint and fly-poster attacks. Coverage: 9-33m² per litre Available in 3 sizes as follow;

D) R99-7660 420ml Cans

E) R99-7661 2.2 Litre Cans

F) R99-7662 4.5 Litre Drums

PART NO.	DESCRIPTION
R99-7657	A) EASY-OFF ANTI-GRAFFITI REMOVAL WIPES PK15
R99-7658	B) EASY-OFF SAFE GRAFFITI REMOVER SPRAY 500ML
R99-7659	C) EASY-OFF SAFE GRAFFITI REMOVER LIQUID 25 LITRE
R99-7660	D) EASY-ON CLEAR GLAZE ANTI-GRAFFITI COATING 420ML
R99-7661	E) EASY-ON CLEAR GLAZE ANTI-GRAFFITI COATING 2.25 LITRES
R99-7662	F) EASY-ON CLEAR GLAZE ANTI-GRAFFITI COATING 4.5 LITRES

CONSUMABLES & CABLE MANAGEMENT

A) GRAB 'N' CLEAN PAPER TOWEL DISPENSER

Improves infection-control, protecting the roll with a closed-system design. The portable design allows for a quick response safely and hygienically. Can be wall mounted or transported using the convenient grab handle.

Features
• Versatile paper dispenser
• Single sheet dispension reduces waste
• Closed system improves hygiene
• Fixed and portable dispensers
• Improves aesthetic

B) GRAB 'N' CLEAN 1 PLY BLUE 550 SHEET ROLL

Compatible with the Grab n Clean Dispenser. A high-quality, absorbent 1Ply sheet roll designed to mop up liquid spills. The high capacity coreless roll maximises the numbers of sheets stored in the dispenser, whilst the single sheet dispension prevents waste and over-usage, overall making this a great value product in any cleaning portfolio.

550 sheets per roll, 6 rolls per pack.
• Compatible with Grab 'n' Clean dispenser
• High capacity coreless roll
• Single sheet dispension prevents waste
• Sheet size: 200m x 18.6cm
• EU Ecolabel Certified

C) GRAB 'N' CLEAN WALL BRACKET

Creating a uniquely versatile system, the Grab n Clean fixed wall dispenser gives the choice between fixed and portable blue roll dispension, allowing one system to meet all workplace needs.

Bracket only. Dispenser not included.

PART NO.	DESCRIPTION
R99-5800	A) GRAB 'N' CLEAN PAPER TOWEL DISPENSER
R99-5801	B) GRAB 'N' CLEAN 1 PLY BLUE 550 SHEET ROLL - PACK OF 6
R99-5802	C) GRAB 'N' CLEAN WALL BRACKET FOR PORTABLE DISPENSER

A) PAPER TOWEL ROLL BLUE

General purpose roll of blue paper towels, supplied individually. 100 sheets per roll.
Width: 250mm

B) SILK FREE CLEANING RAGS

Press packed silk free cleaning rags in 10kg nett packs.
Essential for any workplace cleaning tasks.
Easy to store

C) HEAVY DUTY REFUSE SACKS BLACK

Superior quality with a leak resistant base. 735 x 970mm Bag, Thickness: 40 microns, Capacity: 96 litres.

D) HEAVY DUTY RUBBLE SACKS

Tough, 70gsm woven material re-useable rubble sacks. Puncture resistant. For use with bricks, sand, grit and gravel.
Dimensions 560 x 660mm.

E) HEAVY DUTY PALLET WRAP BLACK

Superior quality with a leak resistant base. 735 x 970mm Bag, Thickness: 40 microns, Capacity: 96 litres.

PART NO.	DESCRIPTION
S83-2917	A) PAPER TOWEL ROLL BLUE - SINGLE
S83-1684	B) SILK FREE CLEANING RAGS 10KG
R02-1396	C) HEAVY DUTY REFUSE SACKS BLACK (ROLL OF 10)
S00-3481	D) HEAVY DUTY RUBBLE SACKS PK 10
R02-1395	E) HEAVY DUTY PALLET WRAP BLACK 500MM X 250M

MILLS HYDRAULIC OIL 32 (1 LITRE)

Mills Hydraulic Oil 32 is a quality anti-wear hydraulic fluid which provides cost effective and reliable protection and performance in most industrial and mobile applications including lubrication of machines and tools moved by air compressed, such as, blowing machines, air compressors and generators. Supplied in 1 Litre Bottles.

PART NO.	DESCRIPTION
S27-1950	MILLS HYDRAULIC OIL 32 (1 LITRE)

MILLS SOLAR PANEL CLEANER (750ML)

Specifically design to protect and clean solar panels

This non caustic photovoltaic detergent will clean your solar panels preventing the possible build-up of dirt, grime, dust, pollen and bird faeces.

Supplied in easy-to-use 750ml trigger operated spray dispenser.

PART NO.	DESCRIPTION
S27-1951	MILLS SOLAR PANEL CLEANER (750ML)

MILLS THREADLOCKER (50ML)

Mills Threadlocker is a blue medium strength adhesive and sealant designed for use on all types of metals and threaded fasteners such as bolts, screws and nuts. This adhesive is Supplied in 50ml bottle.

PART NO.	DESCRIPTION
S27-1952	MILLS THREADLOCKER (50ML)

MILLS PENETRATING AND LUBRICANT SPRAY (400ML)

Mills Penetrating and Lubricant Spray, also known as Penetrating Oil and Spray Dewatering is a must-have aerosol for commercial and domestic projects. This multi-purpose Lubricant has a sturdy double action that perforates and lubricates mechanical parts. The Fluid applied produces a highly water-resistant film, which excludes moisture, providing long-term corrosion protection.

Supplied in 400ml Cans.

PART NO.	DESCRIPTION
S27-1953	MILLS PENETRATING AND LUBRICANT SPRAY (400ML)

MILLS ELECTRICAL CONTACT SPRAY (400ML)

Mills Electrical Contact Cleaner is a ideal for cleaning electrical contacts and ignition components as well as other precision parts. It removes tarnish, dirt, grease, dust, oil and other deposits, preventing arcing between dry contacts.

Supplied in 400ml Cans.

PART NO.	DESCRIPTION
S27-1954	MILLS ELECTRICAL CONTACT SPRAY (400ML)

MILLS SILICON LUBRICANT SPRAY (400ML)

Silicone universal lubricant spray is ideal to cleaning and protecting plastic and metal products and makes them waterproof. This lubricant is based on silicone oil.

Supplied in 400ml Cans.

PART NO.	DESCRIPTION
S27-1955	MILLS SILICON LUBRICANT SPRAY (400ML)

MILLS AIR DUSTER SPRAY (400ML)

Mills Air duster that can be used on printers, keyboards and office equipment. Compressed gas to remove debris from hard-to-reach areas.

- Flammable air duster
- Removes dust, dirt and loose contaminants from most surfaces
- Suitable for use on computer, consoles circuit boards, photographic, test and audio/ visual equipment
- Supplied in 400ml Cans

PART NO.	DESCRIPTION
S27-1956	MILLS AIR DUSTER SPRAY (400ML)

MILLS ZINC GALVANISING SPRAY (400ML)

Fast drying protection for use on light rust or clean metal. Ideal for coating bare metal or protecting light rust areas

- Can be applied to bare metal, welded metal or slightly corroded metal
- This superior product is incredibly fast drying thus improving job times
- Ideal for fences, security railings, roller shutter doors, gutters and duct work etc.
- Supplied in 400ml Cans

PART NO.	DESCRIPTION
S27-1957	MILLS ZINC GALVANISING SPRAY (400ML)

Mills EST. 1919

ARALDITE & SUPERGLUE

A) Superglue. Repositionable for up to 15 seconds, solvent free and low odour. Supplied in a 3ml tube with nozzle and works on most materials.

B) Araldite Rapid. This 2-pack glue, bonds metal, wood, masonry, ceramics, glass, dry concrete, chipboard, leather, cardboard, fabric, rubber and most plastics (except polyethylene, polypropylene, Teflon®). The 2-component epoxy is fast setting. Parts repositionable for 4 minutes.

PART NO.	DESCRIPTION
R99-1171	A) SUPERGLUE 3G TUBE
R99-1180	B) ARALDITE RAPID 32G

STICK 2 SPRAY CONTACT ADHESIVE 500ML

Everbuild Stick 2 All Purpose Spray Contact Adhesive is a sprayable glue which bonds to most common materials including wood, concrete, stone, tiles, rubber, foam, metals, rigid plastics, polyethylene, canvas fabrics, cardboard, paper and cork.

Suitable for internal and external use, easy to use with no messy spreading / clearing up and is halogen and CFC free.

Size: 500 ml.

PART NO.	DESCRIPTION
R99-0400	STICK 2 SPRAY CONTACT ADHESIVE 500ML

3-IN-ONE WHITE LITHIUM SPRAY GREASE 400ML

3-IN-ONE White Lithium Spray Grease is for heavy-duty applications.

It is ideal for preventing rust and corrosion for automobile, marine and workshop use.

It is also safe around the house on sliding doors, windows, hinges and garden machinery.

Size: 400ml

PART NO.	DESCRIPTION
R99-3508	3-IN-ONE WHITE LITHIUM SPRAY GREASE 400ML

WD-40 AEROSOL 300ML

WD-40 is an all purpose liquid for displacing moisture, corrosion control, lubrication, cleaning and penetration. It has the ability to penetrate the minute grain boundaries on all metals. Although not essentially a lubricant, WD-40 is regularly used to lubricate all light machinery and electrical equipment. WD-40 is also used for displacing moisture and sometime known as 'Spray Dewatering'.

Supplied in 300ml aerosol.

PART NO.	DESCRIPTION
R99-1122	WD-40 AEROSOL 300ML

A) HANDY GLUE GUN

Handy hot melt glue gun with easy pull trigger, covered nozzle for safety and a safety warning light. Bonds hard plastics, ceramic, metal and wood. Comes complete with two 7mm glue sticks. Replacement packs of glue sticks are also available.

B) GLUE GUN

A professional model with a lever feed handle, while the clutch mechanism prevents glue back-up. Bonds almost anything permanently in 60 seconds without the need for mixing or clamping.

PART NO.	DESCRIPTION
P59-7961	A) HANDY GLUE GUN
P59-7962	7MM GLUE STICKS FOR HANDY GUN PKT 14
P57-1302	B) TRIGGER FED GLUE GUN
P57-1303	10" ALL PURPOSE GLUE STICKS (PKT12)

WHITE SPIRIT

White Spirit White Spirit supplied in 750ml or 2 litre screw top bottles for removal of grease and gel from optical fibre cable. Conforms to BS245.

PART NO.	DESCRIPTION
R02-3014	A) WHITE SPIRIT 750ML
R02-3034	B) WHITE SPIRIT 2 LITRES

STIHL 2-STROKE OIL 100ML

Due to its excellent lubrication, the Stihl HP 2 Stroke Oil 100ml is one of the most widely used engine oils in Europe for mixture lubricated engines.

This mineral based engine oil is mixed with a 50:1 ratio for 100ml oil to 5 litres of unleaded petrol.

Supplied in a box of 24.

PART NO.	DESCRIPTION
R99-1130	STIHL 2-STROKE OIL 100ML - BOX OF 24

DE-ICER SPRAY

The Decosol Power De-Icer instantly dissolves ice from glass surfaces.

It leaves a streak-free finish when cleaned with windscreen wipers or rubber squeegee blade.

Its concentrated sub-zero formula inhibits re-freezing.

Size: 750ml

PART NO.	DESCRIPTION
S00-0428	DE-ICER SPRAY 750ML

A) LONG LASTING ALKALINE BATTERIES

Long lasting, leak-proof alkaline batteries for optimum output & high performance of all torches, measuring instruments & industrial equipment.

B) LANTERN BATTERY

PJ996 long lasting lantern and road lamp batteries.

PART NO.	DESCRIPTION
M99-1200	A) MN1300 (D) BATTERY PACKET 2
M99-1201	A) MN1400 (C) BATTERY PACKET 2
M99-6820	A) MN1500 (AA) BATTERY PACKET 2
M99-1203	A) MN1604 (PP3) BATTERY PACKET 1
M99-6864	A) MN2400 (LR03,AAA) BATTERY PACKET 2
M99-1059	B) PJ996 LANTERN BATTERY EACH

SCREENWASH

Screenwash, for windscreens and headlight systems protecting to minus 8 degrees Dilution ratios: Summer- 1-part screenwash to 6 parts water.

Available in a 5 litre container (R99-2664) or a packet of 10 sachets (R99-4460)

A) R99-2664 Screenwash in 5 Lite Container

B) R99-4460 Screenwash - Packet of 10 x 75ml sachets

PART NO.	DESCRIPTION
R99-2664	A) SCREENWASH 5 LITRE
R99-4460	B) SCREENWASH SACHET PK10

MILLS 4000MAH POWER BANK

The Mills Power Bank has a 4000mAh capacity which is ideal for keeping your smartphone throughout the day. Only 9mm thick

Suitable for Apple and Android Phones

Weight 110g

Dimensions: 118mm x 68mm x 9mm

PART NO.	DESCRIPTION
C00-0666	A) MILLS 4000MAH POWER BANK

MILLS USB 3.0 - USB-C ADAPTOR LEAD SET

A set of two adaptors for converting between USB to USB-C and USB-C to USB. Instantly add standard USB functionality to your USB-C port to connect flash drives, keyboards, and other accessories. Compatible with all Surface models with a built-in USB-C port.

• Weight 0.04kg.
• Size L 2.87 x W 1.47 x D 0.73cm.

PART NO.	DESCRIPTION
Q69-0531	B) MILLS USB 3.0 - USB-C ADAPTOR LEAD SET

ALL PURPOSE READY MIXED FILLER

All Purpose Ready Mixed Filler is an easy-to-use and suitable for both interior and exterior use. When applied as directed, the filler dries to a smooth but tough crack resistant sandable finish, which may be painted, papered or stained.

PART NO.	DESCRIPTION
R99-1225	ALL PURPOSE READY MIXED FILLER 600G

SILICONE SEALANT

Contractors silicone sealant that adheres to most smooth and non-porous materials.

This product contains an anti-fungal compound to prevent mould growth in areas of high humidity. SILICONE 200 is mid to low modulus in nature. 300ml Cartridge and available in White, Clear, Brown and Black.

Key Features:

- Conforms to BS5889.
- Permanently flexible.
- Anti-fungal formula - prevents mold growth.
- Quick curing - low dirt pick up.
- Low viscosity for fast application.

PART NO.	DESCRIPTION
R99-1221	SILICONE SEALANT CLEAR 295ML
R99-1222	SILICONE SEALANT WHITE 295ML
R02-1394	SILICONE SEALANT BLACK 300ML
R99-3072	SILICONE SEALANT BROWN 295ML

SILVERHOOK LITHIUM EP2 GREASE CARTRIDGE

Silverhook Lithium EP2 Grease is a premium quality high-temperature, multi-purpose grease with EP additives, for use in all anti-friction and plain bearings subjected to high load conditions.

With a high melting point and excellent extreme pressure and anti-wear performance. It also has a high degree of corrosion protection.

Used extensively for applications throughout industry.

400g Cartridge.

PART NO.	DESCRIPTION
R99-3511	SILVERHOOK LITHIUM EP2 GREASE CARTRIDGE

EVERBUILD 208 POWDER MORTAR TONE

Powder Mortar Tone is formulated from best quality oxide pigments for permanently colouring all types of mortars, rendering, concrete and pointing.

The pigments disperse easily into the mix to give a uniform shade for each mix batch. Shading can be adjusted to provide a wider variety of colour depths.

PART NO.	DESCRIPTION
R99-1230	EVERBUILD 208 POWDER MORTAR TONE 1KG - BLACK
R99-1231	EVERBUILD 208 POWDER MORTAR TONE 1KG - BUFF
R99-1232	EVERBUILD 208 POWDER MORTAR TONE 1KG - BROWN
R99-1233	EVERBUILD 208 POWDER MORTAR TONE 1KG - RED

FLEXIBLE FILLER 290ML

Flexible Decorator's Filler is a white fast drying, acrylic based filler and sealant that remains permanently flexible. Can be overpainted with most paint types or covered over with wallpaper.

Application Temp. Range +4°C to +40°C

Size: 290ml.

PART NO.	DESCRIPTION
R99-7896	FLEXIBLE FILLER 2

HIGH STRENGTH BUILDING ADHESIVE

Everbuild High Strength 'Grab' Building Adhesive. This 'grab' adhesive will stick just about anything on a building site that needs sticking. Suitable for indoor and outdoor use. Supplied in a 350ml cartridge.

PART NO.	DESCRIPTION
R99-7700	PINKGRIP 350ML CARTRIDGE

CONSUMABLES & CABLE MANAGEMENT

FSI PIPEBLOC EL ROLL

Pipe collar wrap, designed and tested to seal service penetration apertures which contain plastic and metallic pipes with insulation. Formulated with thermoplastic composites and based on reactive graphite intumescent technology.

PART NO.	DESCRIPTION
S00-9317	FSI PIPEBLOC EL ROLL 25 METRE

FSI NS PENOPATCH CIRCULAR DISCS

FSi's PenoPatch is a putty-based penetration sealing device for small cables and conduits in flexible and rigid walls. Tested to EN 1366-3.

PART NO.	DESCRIPTION
S00-9314	FSI NS PENOPATCH 100 X 4MM DISC
S00-9316	FSI NS PENOPATCH 60 X 4MM DISC

FSI NS PUTTY TUB

Solvent-free intumescent putty for creating a fire barrier of up to 240 minutes. Designed as a joint filler and sealer for use in penetration seals. Will remain flexible and allow for the thermal and mechanical movement of services around complex and irregular shapes through walls or floors.

PART NO.	DESCRIPTION
S00-9328	FSI NS PUTTY TUB 1KG

FSI S-LINE INTUMESCENT FIRE PILLOWS

S-Line® Fire Pillows are an ideal product to create a temporary or permanent fire barrier around many types of services to prevent the passage of fire through a compartment wall or floor.

PART NO.	DESCRIPTION
S00-9318	FSI S-LINE FIRE PILLOW 330 X 200 X 20MM
S00-9319	FSI S-LINE FIRE PILLOW 330 X 200 X 25MM
S00-9320	FSI S-LINE FIRE PILLOW 330 X 200 X 45MM

FSI SEALANTS

Pyrocoustic® Sealant is a water based acrylic sealant used to reinstate the fire resistance of wall and floor constructions where apertures are penetrated by multiple services and linear gap seals where wall and floor constructions abut.

Pyrolastic® Fire Resistant Silicone is used to seal linear joints in floor and wall constructions to reinstate the fire resistance performance.

PART NO.	DESCRIPTION
S00-9312	A) FSI PYROCOUSTIC SEALANT 310ML
S00-9313	B) FSI PYROLASTIC SEALANT 310ML

EZ-PATH FIRE STOP GROMMETS

EZ-Path ® Firestop Grommets are a moulded, two-piece grommet with an integral fire and smoke sealing foam membrane for sealing small cable penetrations through framed wall assemblies. Grommet snaps together around cable and locks tightly into the wall.

EZ-Path® Firestop Grommets are tested to meet the exacting criteria of ASTM E814 (UL1479) and CAN/ULC S115. Tested systems provide up to 2 hour fire ratings for small cable penetrations in gypsum board/stud wall assemblies.

Available in 2 sizes

A) R02-5096 – RFG1 – for one or two cables with total O.D. up to 7 mm – overall length 41.3mm

B) R02-5107 – RFG2 – for one or two cables with total O.D. up to 14mm-overall length 41.3mm

PART NO.	DESCRIPTION
R02-5096	A) EZ-PATH RFG1 FIRE STOP GROMMET – PACK OF 10
R02-5107	B) EZ-PATH RFG2 FIRE STOP GROMMET – PACK OF 10

CONSUMABLES & CABLE MANAGEMENT

SEE PAGES 280 TO 288 FOR DRILL BITS, AUGERS, HOLESAWS AND CORE CUTTERS

SEE PAGES 289 TO 291 FOR CUTTING DISCS AND BLADES

SEE PAGES 312 TO 315 FOR REINSTATEMENT MATERIALS

SEE PAGES 67 TO 69 FOR POLE LABELLING

Test Equipment

Mills
EST. 1919

TEMPO BUTT SET SELECTION CHART

	DigAlert 361 C00-4270	DigAlert 350 C00-4269	Alert 340 C00-5052	Compact DSP C00-5043	TM-500 C00-3493 C00-4110	TM-700 C00-4435 C00-4111
DSL Compatible	•	•	•		•	•
Voltage Detection (DSP)	•	•	•	•	•	•
Data Detection	•	•				
Tone & Pulse Dial	•	•	•	•	•	•
Last Number Redial	•	•	•	•	•	•
Timed Break Recall (Flash)	•	•	•	•	•	•
Microphone Mute	•	•	•	•	•	•
Talk & Monitor Mode	•	•	•	•	•	•
Polarity Test	•	•	•	•	•	•
Low Battery Indicator	•	•				
High Impedance Monitor	•	•	•	•	•	•
Hands Free Operation	•			•	•	•
Intercomm Mode						•
LCD Display						•
Caller ID						•
Call Waiting Caller ID						•
Missed Call Indication						•
Line Voltage & Current Display						•
IP 67 Waterproof Design	•	•	•			
3 Year Warranty	•	•	•			

TEMPO COMPACT DSP TEST SET

Low cost compact test set featuring the unique "Digital Services Protection" design feature which allows the tester to be used safely in a mixed analogue and digital services network.

Features:

- Low cost, fully featured test set
- 'DSP' protection against dropping a digital line
- Main cross protection
- Over voltage and current protection
- Auto power off
- Rugged belt clip
- Hands free via headset
- Drop test compliant - 3 metres
- 1 year warranty
- Supplied complete with croc clip cord and BT modular plug

PART NO.	DESCRIPTION
C00-5043	TEMPO COMPACT DSP TEST SET

TEMPO COMPACT DSP AND PTS CABLE TRACER KIT

A Great Value Package Comprising the Compact DSP Test Set (C00-8721) and the PTS Cable Trace Kit (C00-1205) as shown on Page 454.

The Compact DSP Test Set from Tempo features 'Digital Services Protection' and is designed to operate safely in situations where telephone wiring may be carrying digital traffic, voltage feed to remote electronics or the hazardous voltages that result from fault conditions or misuse of the cable.

The PTS tone and probe cable trace kit from Tempo is a toner kit designed for identifying and tracing wires or cable within a group without damaging the insulation. Supplied in a sturdy cordura twin-pocket pouch.

PART NO.	DESCRIPTION
C00-8721	TEMPO COMPACT DSP AND PTS CABLE TRACER KIT

TEMPO TELE-MATE TM-500 TEST TELEPHONE

The Tempo Tele-Mate TM-500 test set is a low cost, user friendly butt set with a durable, high impact casing. The TM-500 offers the convenience of line powered (no battery needed) operation and useful features like a high impedance monitor that is data and DSL safe, polarity test, speed dial, last number dialled and pulse dialling.

The TM 500 is available with a cordset terminated with a BT line jack plug (C00-3493) or a cordset terminated with croc clips (C00-4110).

Features:

- High Impedance Monitor for monitoring line without disrupting existing traffic
- Luminescent (glow-in-the-dark) keypad
- Can be used safely on a DSL enabled line
- Over voltage and over current protection
- Tone and Pulse dialling for versatility on old and new phone lines
- Polarity test with LED indicator
- 32 digit last number redial and pause
- 10 number speed dial
- Flash to generate a timed break recall
- Line powered, no battery needed
- Headset (included) for hands free operation
- No battery.

PART NO.	DESCRIPTION
C00-3493	A) TEMPO TELE MATE TM-500 TEST PHONE (BT LEAD)
C00-4110	B) TEMPO TELE MATE TM-500 TEST PHONE (CROC CLIPS)

TEST EQUIPMENT

TEMPO TELE-MATE
TM-700 TEST TELEPHONE

The TM-700 helps technicians install, service, and maintain voice services with ease. DSL compatible in both Monitor and Talk modes, the TM-700's LCD screen makes reading polarity, voltage, current, and ringing frequencies easier than ever, and clearly shows speed dials and recent numbers for faster access.

The TM-700 features over-voltage and over-current detection for safer operation and also features an Intercom mode, a built in toner for pair tracing, and DTMF detection and measurement for enhanced productivity. Use the built-in loudspeaker or with a headset (included) for easy hands free operation.

The TM700 is the big brother to the TM500 (C00-3493 C00-4110) with all the features of the TM 500 plus, intercomm mode, caller ID, call waiting and line voltage and current display.

The TM 700 is available with a cordset terminated with a BT line jack plug (C00-4111) or a cordset terminated with croc clips (C00-4435).

Features:

- LCD for easy dialing, programming, caller ID, voltage, current, ringing, and DTMF measurements
- Safe over voltage and over current protection
- Intercom for "dead-pair" talking
- SmartIntercom™ between Tele-Mate® Pros allows "ringing" the far end
- Tone generator for pair identification
- Luminescent (glow-in-the-dark) keypad
- DSL line filter
- Super Impedance Amplifier to monitor lines without disrupting traffic
- Tone and Pulse dialing for old and new phone lines with Pause and Flash (TBR)
- User options allow USA or ETSI telephony with individual options available
- Ten last number redial & ten number speed dial memories
- Headset (included) for hands free operation, with loudspeaker option
- Volume control & mute
- Requires just two AA cells, readily available and low cost

PART NO.	DESCRIPTION
C00-4111	A) TEMPO TELE MATE TM-700 TEST PHONE (BT LEAD)
C00-4435	B) TEMPO TELE MATE TM-700 TEST PHONE (CROC CLIPS)

TEMPO COMMUNICATIONS

NAUTILUS TEST TELEPHONES

Nautilus range products are designed for a longer operational life and reduced in service maintenance costs.. Nautilus products have been subjected to a variety of tests including being submerged in water for up to 30 minutes, vibration, shock, bump, free-fall and impact, simulating transport and everyday knocks. We are so confident in these products, we extend the warranty to three years on our Nautilus range (excludes wear and tear, e.g. cordsets or abuse).

The Naulilus phones can be purchased in 3 models:

A) Tempo Butt-In test Set Alert 340 (C00-5052)

B) Tempo Digalert 350 (C00-4269)

C) Tempo Digalert 361 (C00-4270)

A) TEMPO BUTT-IN TEST SET ALERT 340

The Alert 340 from Tempo is a professional butt-in test telephone in robust case sealed to IP67 standards and supplied with 3 year warranty. With loudspeaker function. Supplied with twin banana plugs/removable croc clips, cord.

Features:
- Three year warranty
- Digital circuit safety
- Excessive voltage alarm
- Automatic lock-out
- Loudspeaker listening
- Volume boost
- Microphone mute
- Confirmatory key beeps
- Talk/Monitor status LED
- Battery low audible tone
- Tone/pulse, redial (10 x 24 memories)
- Super Hi X Polarity
- Super Hi Z Monitor
- Warble ringer
- Four selectable ringer tones
- High impact resistance
- High chemical resistance
- Quick change cord
- Quick change battery
- Easy shoulder placement
- Rugged belt clip

A

3 YEAR GUARANTEE

FEATURES LOUDSPEAKER AS STANDARD

D) REPLACEMENT BT CORDSET FOR DIGALERT 350 (C00-4269)

D

B) TEMPO DIGALERT 350M
C) TEMPO DIGALERT 361

The Digalert 350 and 361 from Tempo are professional test butts used by leading Telcos globally and designed to ease the evolution from old analogue to the new digital age and featuring Digalert, a unique signal monitoring system which alerts the operator when digital traffic is present, preventing the possibility of dropping a digital line or circuit. Both test butts have identical features, but the Digalert 361 (C00-4270) is a two way hands free version which also features an ADSL type filter that allows it to work on an ADSL line without affecting data transmission.

Features:
- Three year warranty
- Digital circuit safety
- Excessive voltage alarm
- Automatic lock-out
- Loudspeaker listening
- Volume boost
- Microphone mute
- Confirmatory key beeps
- Talk/Monitor status LED
- Battery low audible tone
- Tone/pulse, redial (10 x 24 memories)
- Super Hi X Polarity
- Super Hi Z Monitor
- Warble ringer
- Four selectable ringer tones
- High impact resistance
- High chemical resistance
- Quick change cord
- Quick change battery
- Easy shoulder placement
- Rugged belt clip

B

C

The Tempo Digalert 350 (C00-4269) is also known as the BT 300C and supplied with a BT Cordset Ref: 026578.

TEMPO COMMUNICATIONS

PROOF TESTED TO IP67

AS SUPPLIED TO BRITISH TELECOM "TELE300"

3 YEAR GUARANTEE

FEATURES LOUDSPEAKER AS STANDARD

PART NO.	DESCRIPTION
C00-5052	A) TEMPO BUTT-IN TEST SET ALERT 340
C00-4269	B) TEMPO DIGALERT 350
C00-4270	C) TEMPO DIGALERT 361
C00-4382	D) REPLACEMENT BT CORDSET FOR DIGALERT 350 (C00-4269)

Mills
EST. 1919

CORDSETS

Test cordsets available in three styles to allow connection of standard 4mm banana plugs to Krone®, BT and RJ11 connectors.

A   B   C

PART NO.	DESCRIPTION
C00-5988	A) TEST CORDSET BT
C00-4443	B) TEST CORDSET RJ11
C00-4442	C) TEST CORDSET KRONE®

CORDSET 6/10B 1 PLUG 244A

(2 pole) -Krone™ strips

A Jack suitable for the insertion of a Plug 631A at one end and a test plug 244A on the other.
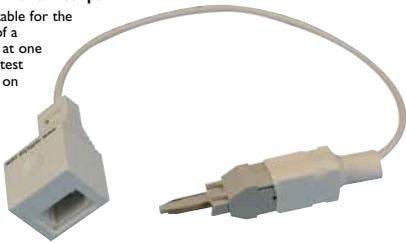
PART NO.	DESCRIPTION
C29-0547	CORDSET 6/10B (2 POLE)

DISCONNECTION CORDSET 6/10D (2 POLE)

A Jack suitable for the insertion of Plug 631A on one end and a test plug on the other. In addition, an earth wire is brought out and terminated on a crocodile clip.

For use on Strips Connection 237A.

PART NO.	DESCRIPTION
C29-0552	DISCONNECTION CORDSET 6/10D (2 POLE)

MONITORING CORDSET 6/10D (4 POLE)

A Jack suitable for the insertion of Plug 631A on one end and a test plug on the other. In addition, an earth wire is brought out and terminated on a crocodile clip.

For use on Strips Connection 237A.

PART NO.	DESCRIPTION
C29-0553	MONITORING CORDSET 6/10D (4 POLE)

CORDSET 6/10E 3 CROC CLIPS FOR GENERAL USE

A Jack suitable for the insertion of Plug 631A on one end and three crocodile clips on the other. The third wire is for an earth connection, required for checking "Feature Calling" option.

PART NO.	DESCRIPTION
C29-0548	CORDSET 6/10E

CORDSET 6/10K 2 POLE CORDSET

A Jack suitable for the insertion of a Plug 631A on one end and a test plug for use on low profile 10 pair Strip Connection 241B as used in Box Connections 201C.
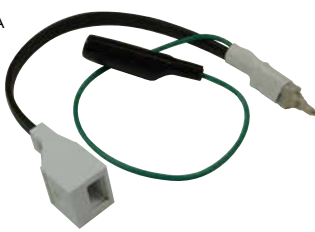
PART NO.	DESCRIPTION
C29-0549	CORDSET 6/10K (2 POLE)

CORDSET P 2 WAY FOR POUYET® STRIP

Test cords for use on Pouyet® 10 pair Strip Connections.

A   B
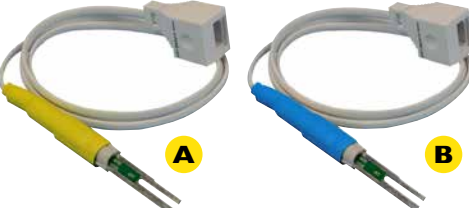
PART NO.	DESCRIPTION
C29-0546	A) DISCONNECTION CORDSET P 2 POLE
C29-0545	B) MONITORING CORDSET P 4 POLE

CORDSETS SID

Available in 2 or 4 pole. Test cords for use on SID low-profile 10 pair Strip Connections. Earth lead allows for checking "Feature Calling" option.

A   B

PART NO.	DESCRIPTION
C29-0551	A) DISCONNECTION CORDSET SID 2 POLE
C29-0550	B) MONITORING CORDSET SID 4 POLE

CORDSET URLS

Single pair lead for
series 3 cabinet boxes.

PART NO.	DESCRIPTION
C00-4182	URLS CORDSET

CORDSET RLS50

PART NO.	DESCRIPTION
C29-0554	CORDSET RLS50

3M STYLE TEST CORDSET
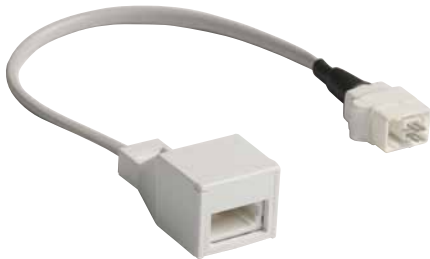
PART NO.	DESCRIPTION
C29-2874	3M STYLE CORDSET

TEST CORD 2 POLE BANANA TO KRONE PLUG

CommScope 237
Connection Test Cord used
for interconnecting and
testing of circuits on 237
style modules.

PART NO.	DESCRIPTION
C29-4465	2 POLE BANANA SOCKETS TO KRONE PLUG

TOOLLESS ADAPTOR CORDSET LSA-TL

A 4 pole test adaptor for use on LSA-TL 10 Pair Disconnection Modules,
allowing the user to easily test confidentially in both directions without
removing jumpers. Ref: 082604

PART NO.	DESCRIPTION
C00-1628	CORDSET10 PAIR DISCONNECTION MODULE

TEST CORD LSA-PLUS NT TEST CORD 4 POLE

LSA Plus HD180 & LSA Plus
NT 4 Pole Test Cord - NT
Plug to 4 Pole Female Banana
Plug Socket

For use on HD180
and NT Modules

• Length 0.2m

PART NO.	DESCRIPTION
C00-7253	LSA-PLUS NT TEST CORD 4 POLE

RJ11 SOCKET TO RJ45 PLUG ADAPTOR

An adaptor to enable an
RJ11 plug to be connected
to an RJ45 socket.
Designed specifically
for use with Tone and
Probe cable tracing kits
that commonly have
RJ11 plugs on the tone
oscillators to prevent the
damage that often occurs
when an RJ11 plug is
inserted directly into an
RJ45 socket.

PART NO.	DESCRIPTION
T70-4807	RJ11 SOCKET TO RJ45 PLUG ADAPTOR

TEST EQUIPMENT

CLIP TEST 38A

A general purpose crocodile clip.

PART NO.	DESCRIPTION
S83-0933	CLIP TEST 38A

LINE CORD 300A

Field replaceable serpentine test leads for Test Telephone.

PART NO.	DESCRIPTION
S83-3659	LINE CORD 300A

ADAPTOR TEST 15A

A test cord for use with BIX connectors with 4mm terminals.

PART NO.	DESCRIPTION
S83-7413	ADAPTOR TEST 15A

BT LEAD FOR DIGALERT 350 TEST BUTT

Replacement BT type lead for
the DIGALERT 350 Test Telephone.

PART NO.	DESCRIPTION
C00-0655	BT LEAD FOR DIGALERT 350

MILLS ADAPTOR TEST 48A

Test adaptor for use on old types of block terminals.

PART NO.	DESCRIPTION
S83-6959	MILLS ADAPTOR TEST 48A

MILLS ADAPTOR TEST 51A

Test adaptor for use on
Boc Connections 18/19A.

PART NO.	DESCRIPTION
S83-4450	MILLS ADAPTOR TEST 51A

MODULAR ADAPTOR RJ45 (ADAPTOR TEST 50A)

Modular adaptor RJ45. Similar to model
3A but for RJ45 modular plugs.

PART NO.	DESCRIPTION
C00-1574	MODULAR ADAPTOR RJ45

MILLS MODULAR ADAPTOR BT PLUG

Modular adaptor 3A BT plug. To make connections when no access to
bare copper or terminals is available.

PART NO.	DESCRIPTION
C00-0556	MODULAR ADAPTOR BT PLUG

TONE AND PROBE CABLE TRACER KIT – PTS

A low cost Tone and Probe Kit designed for identifying and tracing wires or cables within a group without damaging the insulation. Supplied in sturdy condura zip around pouch. The kit comprises:-

PTS 100 Tone Tracer Probe
- Works with any oscillator 500Hz to 1.2kHz.
- Sensitivity control 30dB adjustment.
- Easy push button operation.
- Water and dust resistant.
- Built in loudspeaker.

PTS 200 Mini Oscillators
- Output level – 3.0dBm + 0.3dBm.
- Frequency 1004Hz + 100Hz sweep tone.
- Sweep rate = 6 Hz nom.
- Polarity/voltage test to >1500W at 50V.
- Resistance test to >1000W.

Requires 2 x PP3 9V Battery (M99-1203)(not included).

PART NO.	DESCRIPTION
C00-1205K	CABLE TRACER KIT PTS
M99-1203	PP3 BATTERY PKT 1

CABLE TRACING KIT

Tone generator which offers a convenient choice between continuous or alternating tones and a 3 colour LED display which indicates correct polarity, reverse polarity, the presence of AC, as well as continuity.

Also included is the amplifier probe with adjustable sensitivity levels which lets you zero in on cable groups, pairs and individual wires.

Supplied in sturdy condura zip around pouch.

Requires 2 x PP3 9V Battery (M99-1203)(not included).

PART NO.	DESCRIPTION
C00-1554	CABLE TRACING WALLET KIT
M99-1203	PP3 BATTERY PKT 1

TEMPO NEW NAUTILUS TONE TRACER KIT

Helps technicians install, service, and maintain voice, data and video (VDV) services. The Tempo 500XP Pair Tracing Probe gets the job done faster, safer and easier.

- 600J Tone Generator.
- 500XP Precision Filter Probe.
- Heavy duty wallet.
- Test cord set.
- ACAlert™ Voltage Detection: Emits audible and visible alerts if brought near wires that have AC mains power voltage.
- Mains Hum Filtering: Eliminates hum noise, so you can focus on tracing the correct wire.
- Nautilus® Environmental Protection: Environmentally protected against dust and moisture. Drop and Crush resistant.

3 YEAR GUARANTEE

Requires 2 x PP3 9V Battery (M99-1203)(not included).

PART NO.	DESCRIPTION
C00-4352	MILLS TEMPO NAUTILUS TONE TRACER

TEMPO COMMUNICATIONS 500XP PRECISION FILTER PROBE

Designed to help technicians install, service, and maintain voice, data, and video (VDV) services with ease, the Greenlee Communications 500XP Pair Tracing Probe gets the job done faster, safer, and easier.

- ACAlert™ Voltage Detection: Emits audible and visible alerts if brought near wires that have AC mains power voltage.
- Mains Hum Filtering: Eliminates hum noise, so you can focus on tracing the correct wire.
- Nautilus® Environmental Protection: Environmentally protected against dust and moisture. Drop and Crush resistant.
- Dust Resistance IP67 Rated.
- Water Resistance IP67 Rated.
- Three Year Limited Warranty.

Requires 2 x PP3 9V Battery (M99-1203)(not included).

PART NO.	DESCRIPTION
C00-4599	TEMPO COMMUNICATIONS 500XP PRECISION FILTER PROBE
C00-1721	TEMPO REPLACEMENT HEADSET

CATV CABLE TONE TEST SET

Designed specifically for the CATV industry. Now you can tone through splitters, directional couplers and traps. No more long delays trying to figure out non-tagged or mis-tagged cable drops.

- Transmitter and receiver are equipped with female F-connectors.
- Kit provides both audible and LED test and tone indications.
- As a continuity tester, the product provides both audible tone and LED display to indicate resistance levels.
- Identifies the presence of AC or DC voltage on the cable under test.
- Each kit contains: one transmitter, one receiver, one male F-to-F connector adaptor cable, one male F-to-alligator clip adapter cable, and a carrying pouch.
- 1-year warranty.

Requires 2 x PP3 9V Battery (M99-1203)(not included).

PART NO.	DESCRIPTION
C00-4391	CATV CABLE TONE TEST KIT
M99-1203	PP3 BATTERY PKT 1

TONE GENERATOR PRODUCING 1KHZ SINUSOIDAL OUTPUT

Either configuration can be used to locate a wire pair or cable. The choice of output connection is of particular benefit when the pair is identified and testing back to the Tone Generator is required. Transformer coupled configuration allows for loop measurement through the TG 600J or fault location using bridge technology or TDR.

- Balanced 1kHz Sine Wave Output
- Four Distinct Tone Signatures
- Continuity Test
- High Tone Output
- Battery Low Warning
- Transformer Coupled Output - DC Path
- Capacitor Coupled Output – No DC Path
- One Button Operation
- 3 Year Warranty
- Output Power (into 600Ω): 13dBm
- Output Frequency (nominal): 1kHz±50Hz
- Voltage Protection: 200VDC

Requires 4 x Alkaline 1.5V AA Cells (not included). Also knows as BT 87J. Ref: 315569.

PART NO.	DESCRIPTION
600J	TONE GENERATOR PRODUCING 1KHZ SINUSOIDAL OUTPUT

TEST EQUIPMENT

A) TESTER 132J KIT

The CTS 132J comprises a High Power Tone Generator 600J, an Amplifier 109K, a Headset, a Capacitive Probe (which responds to Electrostatic Fields - ideal for tracing individual pairs of wires), an Inductive Search Coil (which responds to Magnetic Fields - ideal for cable route tracing or identification of specific cables) and associated connecting cables..

The Kit includes:

- Oscillator 600J – tone generator.
- CTS Amplifier – tone detector.
- Probe 5B – inductive probe for pair identification.
- Search Coil 3A – search coil for cable identification.
- Receiver Headgear 17B – headset (provided with banana plugs and no longer needs adaptor).
- Connecting Cables.

B) INDUCTIVE SEARCH COIL 3A

Coil tuned to 1kHz frequency of 87J. Designed to give Null when held vertically over target cable. Excellent for:

- Tracing UG cable routes.
- Cable verification.

Used with Tester 132J.

C) COAXIAL CONNECTING CORD

Connects the search coil/probe to the amplifier. Quality RF connectors eliminate unwanted noise from reaching headset. Used with Tester 132J.

AS SUPPLIED TO BT

TEMPO COMMUNICATIONS

PART NO.	DESCRIPTION
C00-1331	A) TESTER 132J KIT
C00-3665	B) INDUCTIVE SEARCH COIL 3A
C00-3666	C) COAXIAL CONNECTING CORD

RECEIVER HEADGEAR 17B

Lightweight & robust headset delivers audio signals from Amp 109K to the user. Terminates on 4mm banana plugs to connect to CTS Amplifier.

PART NO.	DESCRIPTION
C00-1720	A) TEMPO RECEIVER HEADGEAR 17B

A) TESTER 430A

Detects the presence of signals at 2 and 8 Mbits ports on DDFs. The presence of a signal is indicated by the illumination of an LED in the body of the tester.

B) TESTER 430B

Detects the presence of digital signals between 2 and 155 Mbits. The presence of a signal is indicated by the illumination of an LED in the body of the tester.

PART NO.	DESCRIPTION
C00-7003	A) TESTER 430A
C00-7970	B) TESTER 430B

MULTIMETER SA9083

The Tester SA9083 is a battery powered, multi-range, analogue portable instrument. It is primarily intended for use by faultsmen for maintenance testing of telecommunication lines.It has three input terminals, a range selector switch and a dual purpose push-button reversing switch (B-A changeover/test cell). Supplied complete with a robust carrying case and set of test leads and probes (Cords Test 1/1500A, Clip Test 38A, Spike Test 10A). Lead set for SA9083 (C72-7632) also sold separately.

- DC volts : 0-250V, 3 ranges
- AC volts : 0 - 250V
- DC count 0-50mA, 2 ranges
- Resistance: 0-5mOhms, 3 ranges
- Dimensions: 146 x 95 x 60mm
- Requires 1 x 9V battery (M99-1203)
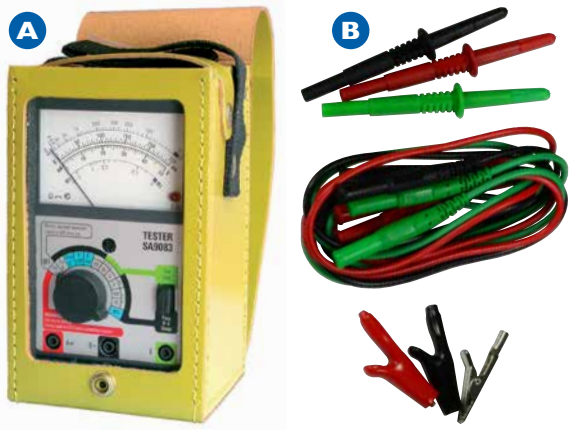
PART NO.	DESCRIPTION
C72-3001	A) MULTIMETER SA9083
C72-7632	B) SPARE TEST LEADS
M99-1203	PP3 9 VOLT BATTERY

CABLE AVOIDANCE TOOLS

A) C.A.T4

The C.A.T4 is the standard model of the range. Using it with the Genny4 transmitter, experienced operators will be able to find more buried utilities, faster.

B) C.A.T4+

The C.A.T4+ offers the same locating performance as the C.A.T4 but with addition of Depth measurement, allowing better identification of the route of buried utilities.

C) gC.A.T4+

This model adds GPS position to the usage data recorded. Bluetooth connectivity allows seamless transfer of usage data to the C.A.T Manager Online cloud based system for near real-time monitoring of operators' performance.

Features	C.A.T4	C.A.T4+	gC.A.T4+
Avoidance Mode™ (A)	•	•	•
Genny™ Dual Signal Locate(G)	•	•	•
Power Signal Locate(P)	•	•	•
Radio Signal Locate(R)	•	•	•
eCert	•	•	•
Dynamic Overload Protection	•	•	•
Depth		•	•
Strike*Alert*™	•	•	•
Service Due Indicator			•
SWING™ Warning			•
CALSafe™			•
C.A.T Operation Logging			•
Bluetooth®			•
GPS/GNSS			•
C.A.T Manager for PC Support	•	•	•
C.A.T Manager for Mobile App Support			•

PART NO.	DESCRIPTION
C00-7895	A) RADIODETECTION C.A.T4 BASIC CABLE AVOIDANCE TOOL
S00-7584	B) RADIODETECTION C.A.T4+ CABLE AVOIDANCE TOOL
S00-7586	C) RADIODETECTION GC.A.T4+ CABLE AVOIDANCE TOOL

RADIODETECTION GENNY4 SIGNAL GENERATOR & SOFT CARRYING BAG PACK

Capable of generating high quality signals that can pierce to a large depth, the Genny4 produces a class-first simultaneous dual-frequency signal output. It uses standard 33kHz signals for general purpose location, has a Small Diameter Locate frequency for finding telecoms/street lighting and has a Signal Boost function that allows the generated signal to be ramped up up to a factor of 10. Accessories are designed to be integrated directly into the built-in socket on the side of this tester.

Radiodetection Genny4 Signal Generator Key Features

• Generation of standard 33kHz signal output
• Small Diameter Locate function for location of telecoms and street lighting
• Adjustable Signal Boost for location at greater distances and depths
• Accessory connection socket allows different accessories to be equipped to the unit
• Runs on 4 x D-Cell batteries
• Built-in loudspeaker and accessory storage tray
• Portable design with handle for use out in the field
• Built for use with the CAT4 range of cable avoidance tools

PART NO.	DESCRIPTION
S00-7587	A) RADIODETECTION SPX GENNY4 SIGNAL GENERATOR BAG PACK

RADIODETECTION SPX GENNY CLAMP 100MM

The Radiodetection SPX Genny clamp is used to apply a Genny signal to a specific cable or pipe. This is particularly useful where direct connection is not possible, or on live cables when these cannot be de-energised.

PART NO.	DESCRIPTION
S00-7591	RADIODETECTION SPX GENNY CLAMP 100MM

RADIODETECTION SPX FLEXITRACE 50M

TThe FlexiTrace reel holds 164'(50m) of small diameter rod. The rod itself can be energised by a Radiodetection transmitter or Genny and inserted into pipes as small as 12mm.

It is used with a Radiodetection locator or C.A.T to find and trace small diameter plastic pipes etc.

Unlike using a sonde with a Flexrod, the entire length of the Flexitrace can be detected from above ground.
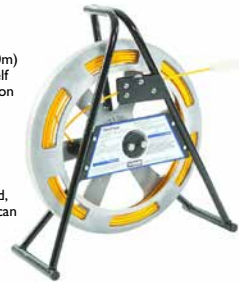
PART NO.	DESCRIPTION
S00-7590	RADIODETECTION SPX FLEXITRACE 50M

C.SCOPE CXL4CAT-D CABLE AVOIDANCE TOOL - DATA LOGGING

The CXL4CAT-D Cable Avoidance Tool from C.Scope, is a popular choice amongst telecom utilities identifying cabling energised with the SGA4 'Genny' (S83-2087), whilst remaining easy to operate ensuring there is only a minimal need for training or retraining.

The CXL4CAT-D will allow the user to identify cabling, but not specify the depth.

Also known as a Locator 9C Receiver.

Ref: 100567.

PART NO.	DESCRIPTION
S83-2086	C.SCOPE CXL4CAT-D CABLE AVOIDANCE TOOL - DATA LOGGING

C.SCOPE DXL4-D CABLE AVOIDANCE TOOL - DATA LOGGING

The DXL4-D Cable Avoidance Tool from C.Scope, is a popular choice amongst telecom utility contractors identifying cabling energised with the SGA4 'Genny' (S83-2087), whilst remaining easy to operate ensuring there is only a minimal need for training or retraining. The DXL4-D has all features of the CXL4CAT-D (S83-2086) but in addition will allow the user to identify the depth of the cabling.

PART NO.	DESCRIPTION
S83-2093	C.SCOPE DXL4-D CABLE AVOIDANCE TOOL - DATA LOGGING

THE C.SCOPE SGV4 SIGNAL GENERATOR

The C.Scope SGV4 Dual-Frequency Datalogging Signal Generator is a signal transmitter designed to be used alongside C.Scope's CXL 4 (S83-2086) or DXL4 (S83-2093) Cable Avoidance Tools. In addition to SGA4 (S83-2087) this Genny has Dual-Frequency Datalogging Signal Generator supports three signal application techniques (Direct Connection, Wraparound and Induction).

PART NO.	DESCRIPTION
S83-2092	C.SCOPE SGV4-D SIGNAL GENERATOR

C.SCOPE YIRC-33-8 SIGNAL CLAMP

The CScope Signal Clamp allows operators to apply the Signal Generator/ Transmitter signal effectively to any cable.

It is an extremely practical way to allow individual cables to be traced even when the cable is in amongst other cables.

Ref: 37294.

PART NO.	DESCRIPTION
S83-2089	C.SCOPE YIRC-33-8 SIGNAL CLAMP

C.SCOPE CS880 BURIED COVER LOCATOR

Designed for use alongside a CXL4 or DXL4 Cable Avoidance Tool.

It enables significantly more underground utilities to be detected including street lighting cables. S83-2090 The Cscope CS880 Metal Cover Locator is a metal detector that will locate lost or hidden metal objects. It is most commonly used for locating manhole covers through tarmac and grass.

Also known as locator 9A. Ref: 037296.

PART NO.	DESCRIPTION
S83-2090	C.SCOPE CS880 BURIED COVER LOCATOR

C.SCOPE CS880 CARRY BAG

The CScope YCB/M Carry Bag is designed specifically to keep your CS880 Metal Cover Locator safe when not in use and will still have capacity to carry additional locating accessories.

Dimensions:
30 x 16 x 85cm.
Capacity: 38 Litres.

PART NO.	DESCRIPTION
S83-2091	C.SCOPE CS880 CARRY BAG

C.SCOPE FLEXIBLE TRACER 80M

The Flexible Tracer is highly effective at locating and tracing the route of small diameter, non-metallic ducts, pipes, sewers and drains.

When used with any CScope Cable Locator (S83-2086 or S83-2093) and Signal Generator (S83-2092), both the route of a non-metallic pipe and a particular end point can be accurately pinpointed.

PART NO.	DESCRIPTION
S83-2094	C.SCOPE FLEXIBLE TRACER 80M

BLOWN FIBRE TRACER WIRE 300M

TA specialist 1.8mm blowable 300m cable with copper conductor which has been designed to assist the installer trying to trace and identify buried microducts. The tracer wire is supplied on a reel and can be used with most fibre blowing machines, using 1.8mm adaptor plates. Once blown into the microduct the tracer can be connected to a standard Genny Signal Generator C00-7896 and identified using a standard CAT Cable Avoidance Tool C00-7895.

PART NO.	DESCRIPTION
S00-7581	B) BLOWN FIBRE TRACER WIRE 300M

A) VIVAX-METROTECH VSCAN RECEIVER MBG WITH METAL MODE, BLUETOOTH & GPS

The Vivax-Metrotech vScan utility avoidance tool has been designed to make buried utility detection a simple and cost-effective process. The product features dual frequency transmitter, data logging, GPS, and Bluetooth.

Features:
- Large, high resolution, high contrast dot matrix display with auto backlight
- Compass line direction indicator
- Visual, audible and vibration alerts
- Passive signals: power, radio and also as a free option, cathodic protection (CP) 100Hz.
- Current measurement.
- 2GB auto data logging: helps identify usage and training needs.

B) VIVAX-METROTECH VSCAN VM-550FF TRANSMITTER

The vScan Transmitter works hand in hand with the Vivax-Metrotech vScan Receiver (C00-1504). It generates a 33kHz signal which can be inducted onto a cable or connected directly with Direct Connection Leads.

When using the direct connection output - The transmitter produces a full 1W output and transmits 33kHz & 131kHz simultaneously, the signal can be applied by direct connection, induction 33kHz or an inductive clamp (optional – 50mm – 100mm and 125mm diameter).

C) VIVAX METROTECH VSCANS STANDARD KIT WITH CABLE AVOIDANCE TOOL & GENNY

A complete VIVAX Cat and Genny kit comprising the Vivax-Metrotech vScan Reciever (C00-1504) and the vScan Transmitter C00-1507).

PART NO.	DESCRIPTION
C00-1504	A) VIVAX METROTECH VSCAN RECEIVER
C00-1507	B) VIVAX METROTECH VSCAN TRANSMITTER
C00-1509	C) VIVAX VSCAN TRANSMITTER AND RECEIVER

A) RADIODETECTION S18 SONDE ADAPTOR FOR 9, 11 & 14MM COBRAS

A brass fitting with a 10mm female thread on one end and a 12mm female thread on the other. For enabling connection of a 9, 11 or 14mm continuous rod or cobra to an S83-2669 S18 Radiodetection Sonde.

B) RADIODETECTION SPX S18 SONDE ADAPTOR ROD DUCT 1 SPRING LOADED

Adaptor to join the Radiodetection SPX S18 Sonde to Rods Duct 1.Spring assisted for flexibility.

C) RADIODETECTION SPX S9 33KHZ MINI SONDE

The S9 MiniSonde is a small 9mm (0.35") diameter transmitter designed to be inserted into non-metallic pipes or ducts, and enables operators to trace the route of small diameter pipes or ducts and to precisely locate any blockages.

D) C.SCOPE RODDING OSCILLATOR SONDE 33KHZ

This CScope rodding adaptor is a 33KHz Duct Sonde which is battery operated and just 24mm in diameter. It screws onto either Duct Rod No1 or No2 via a Duct Adaptor 2A (S83-0712).

E) RADIODETECTION SPX S18 SONDE 33KHZ

A battery operated transmitter used to indicate its position after being inserted into underground ducts, drains or sewers. Typically attached to ducting rods for insertion and then located using a CAT locator. Depth 3.5m

F) RADIODETECTION SPX S18 SONDE ADAPTOR ROD DUCT 1

Adaptor to join the Radiodetection SPX S18 Sonde to Rods Duct 1. Also available as a spring assisted version for flexibility.
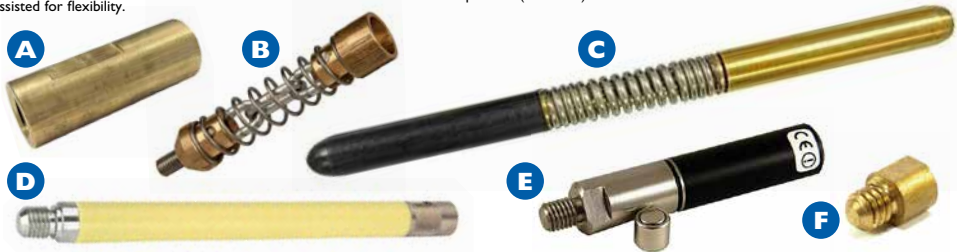
PART NO.	DESCRIPTION
S00-6050	A) RADIODETECTION S18 SONDE ADAPTOR FOR 9, 11 & 14MM COBRAS
S83-2671	B) RADIODETECTION SPX S18 SONDE ADAPTOR ROD DUCT 1 SPRING LOADED
S00-7589	C) RADIODETECTION SPX S9 33KHZ MINI SONDE
S83-2058	D) C.SCOPE RODDING OSCILLATOR SONDE 33KHZ
S83-2669	E) RADIODETECTION SPX S18 SONDE 33KHZ
S83-2670	F) RADIODETECTION SPX S18 SONDE ADAPTOR ROD DUCT 1

TEST EQUIPMENT

A) TEMPO EML-100 MARKER MATE

Marker-Mate is designed to locate buried electronic markers to a depth of 1.5m, including the patented Tempo Omni Marker™, and Spike Marker™.

Capability of detecting nine electronic marker types simultaneously (power, Euro-power, water, sanitary, telephone, fibre-optic, gas, cable TV, non-potable water/general purpose). The product has a large-character display with bar graph, numeric & audible signal strength indicators.

B) TEMPO OM-05 OMNIMARKER II TELEPHONE

Passive markers are buried alongside new telecom networks as they are deployed or during maintenance work. Used for marking the network and its key points (connections, elbow, depth or direction change).

These markers are 100mm diameter and orange in colour. They operate for the telecoms industry at frequencies of 101.4 kHz. Detectable using the EML-100 Marker Mate (C00-4116).

C) TEMPO SM-05 SPIKE MARKER ORANGE 101 KHZ TELEPHONE PK50

Spike markers are primarily designed for marking objects buried in the soil to depths down to one meter. This encompasses most utilities' "distribution" ducts and similar applications such as Cable TV or fibre "drops," traffic light control cables, power, gas or district heating lines to properties.

These spike markers are 100mm in length with a 21mm diameter and orange in colour. They operate for the telecoms industry at frequencies of 101.4 kHz. Supplied in a pack of 50.

Detectable using the EML-100 Marker Mate (C00-4116).

D) TEMPO SPIKE MARKER "DUCT FIXING KIT" PK50

A bracket and tie wrap (225mm in length) to fix SM05 Spike Markers (C00-4118) to ducting up to 50mm diameter

Supplied in a pack of 50

PART NO.	DESCRIPTION
C00-4116	A) TEMPO EML-100 MARKER MATE
C00-4117	B) TEMPO OM-05 OMNIMARKER II TELEPHONE
C00-4118	C) TEMPO SM-05 SPIKE MARKER ORANGE 101 KHZ TELEPHONE PK50
C00-4119	D) TEMPO SPIKE MARKER "DUCT FIXING KIT" PK50

MAXPROBE CAMERA INSPECTION SYSTEM 60M

The Maxprobe™ is a small diameter push-rod camera system, designed with the Telecoms engineer in mind. Not satisfied with just being able to survey ducts, this camera system is optimised to make the entire process easy, not just when the camera is in the duct.

Key Features:

- Inspect up to 60m of pipeline, 50mm to 300mm diameter
- Investigate pipelines, boreholes, chimneys & other cavities
- Take screenshots
- Control the lights and sonde remotely
- Store up to 32hrs worth of video on the control box
- Connect wirelessly to your mobile phone or tablet
- Create full PDF survey reports on site
- Save your entire project (inc. video) to USB device or transfer via WiFi**
- Change the camera size for different pipe diameters
- IP54 rated control box, IP68 rated camera reel
- 10.4" sunlight readable screen
- 9+ hours battery life
- 32GB internal storage
- Sonde built-in to the self-levelling camera head
- WinCan Embedded* & mina survey reporting software
- Multiple charging options (12v, 110v, 240v)
- Wi-Fi enabled
- Weight 29kg

PART NO.	DESCRIPTION
S83-1895	MAXPROBE CAMERA INSPECTION SYSTEM 60M

KEWTECH KEWSTICK DUO POCKET VOLTAGE DETECTOR

Unique dual sensitive non-contact voltage detector or volt stick commonly used prior to opening green street cabinets in conjunction with the C72-7423 Kewtech KTP1 Proving Unit - just press and hold the desensitising button and you can differentiate between live and earthed cables approximately 10mm apart. Dual sensitivity Heartbeat - green LED indicates that the unit is on and working correctly Red LED indicates presence of voltage. This volt pen also has an audible tone to indicate the presence of voltage. Requires 2x AAA batteries. Clearly detects 90 - 600 volts AC without metal contact. Two colour LEDs - Green for correct working and Red for Voltage detection. Two tone buzzer, one for correct working and one for voltage detection. Pocket-size for handy use anywhere. Low power consumption circuits means long life batteries. Cat IV rated. 2 year unconditional guarantee (excluding batteries). As used by the large telecom utilities. Ref: 048356

PART NO.	DESCRIPTION
C72-7424	KEWTECH KEWSTICK DUO POCKET VOLTAGE DETECTOR

KEWTECH KTP1 PROVING UNIT

Portable proving unit or voltage source for use on / off site for instantly testing non-contact voltage testers before and after use. Commonly used in conjunction with the C72-7424 Kewtech Kewstick Duo Pocket Voltage Detector prior to opening green street cabinets. Simple to use, just press the button and it tests. Belt clip for hands-free use. Visual LED indication of function. Robust and drop-proof from 1 metre. Comes complete with a 9V battery. As used by the large telecom utilities.

PART NO.	DESCRIPTION
C72-7423	KEWTECH KTP1 PROVING UNIT

NETCAT® MICRO

The NETcat Micro is a device that verifies the integrity of both twisted pair and coaxial telecom cables. Four durable keys select the test and wire tracing modes. The NETcat has a built in tone generator.

Interface Connections:
- RJ45 shielded socket.
- RJ11 6-way socket.
- F-type threaded female coaxial connectors.

Dimensions:
150 x 70 x 33mm.
Weight:
220g including remote unit and battery
Power Source:
PP3 9V alkaline battery (included).

PART NO.	DESCRIPTION
C00-1330	NETCAT® MICRO WIRING TESTER

NETCAT® PRO 2

The NETcat Pro 2 is a digital tool for fast, accurate checking of cables, wiring and network service. The NETcat Pro 2 can be purchased with one remote or in a case c/w 7 additional remotes.

Product Features:
- Touch screen display with contrast adjustment and backlight.
- Tests shielded twisted pair (STP) unshielded twisted pair (UTP) and coaxial cables.
- 0-2000 foot cable length via TDR.
- Generates four distinct, precision tones for tracing low-loss cables like Cat 5e.
- Identifies active network devices (PC or Hub) on 10/100 Base-T networks.
- Patch cable and remote jack wire-map.
- Detects shorts, opens, reversed, crossed and split pairs.

Dimensions:
35 x 170 x 85mm
Weight: 200g
Power Source:
PP3 9V alkaline battery (included).

TEMPO COMMUNICATIONS

PART NO.	DESCRIPTION
C00-1328	A) NETCAT PRO 2 TROUBLESHOOTER
C00-1329	B) NETCAT PRO 2 KIT C/W CASE

TEMPO MM810 DIGITAL MULTIMETER

True RMS, auto-ranging, digital hand held meter with a 3-5/6 digit, 6000 count, liquid crystal backlit display with Bar Graph. Meter comes complete with carry case and GS38 rated test leads, including croc clips and probes, fused at 10A. Also known as Meter Multifunction 1B.

True RMS	Yes
Absolute Maximums:	Value
DC Voltage Measurement	999.9V dc
AC Voltage Measurement	999.9V ac
DC Current Measurement	6mA dc
AC Current Measurement	10A ac
Resistance Measurement	600Ω
Capacitance Measurement	25mF

Requires 1 x PP3 9V Battery (not included). Ref 27123.

PART NO.	DESCRIPTION
C00-1722	TEMPO MM810 DIGITAL MULTIMETER

TEST EQUIPMENT

Mills EST.1919

MILLS OPTICAL POWER METER

The Mills Optical Power Meter robust low cost, high resolution pocket sized meters designed for general optical testing applications over both multi and single mode fibre, offering six wavelengths of 850/1000/1310/1490,1550 and 1625nm and a choice of dynamic range of +10 to -70dBm (C00-6434) or +26 to -50dBm (C00-1087)

The unit is supplied in a cordura type pouch with 2.5mm universal, ST, FC and screw on LC adaptors.

Requires 2 x AA Batteries (Not Included)

Dimensions - 105 x 52 x 34mm Weight 100g

Available in two power ranges

A) C00-6434 Mills Optical Power Meter (+10 to -60dB)

B) C00-1887 Mills Optical Power Meter (+26 to -40dB)

PART NO.	DESCRIPTION
C00-6434	A) MILLS OPTICAL POWER METER 80T
C00-1887	B) MILLS OPTICAL POWER METER 80C
C00-6434/FC	FC ADAPTOR FOR C00-6434 - OPTICAL POWER METER (+10 TO -70)
C00-6434/SC	SC ADAPTOR FOR C00-6434 - OPTICAL POWER METER (+10 TO -70)
C00-6434/ST	ST ADAPTOR FOR C00-6434 - OPTICAL POWER METER (+10 TO -70)
C00-6434/LC	LC ADAPTOR FOR C00-6434 - OPTICAL POWER METER (+10 TO -70)

MILLS 1310/1500 NM OPTICAL 'SINGLE MODE' LASER SOURCE

Mills Optical Single Mode Laser Source are rugged low cost optical light sources (OLS) for quick easy and convenient fields insertion loss measurement and continuity checks. They are supplied with 2.5mm SC test connector as standard. A separate 1.25mm LC screw-on adaptor (C00-6863) is supplied in the carry pouch.

The meter has a four button operation, with energy save mode offering highly stabilized light with built in optic isolator and modulation output of 270Hz, 1Hz, 2Hz

This single mode laser source offer 1310 and 1500 wavelengths.

Stabilisation*	0.05dB / 1 hour; 0.1dB / 8 hours
Output Power	> - 6dBm @ 1310nm/1550nm
Modulation	270Hz, 1KHz, 2KHz
Connector	SC/PC with SC/PC male to LC/PC female SM adaptor
Auto Power Off	No operation in 10 minutes (can be cancelled)
Battery Charge	Yes
Power Supply	AA * 2 batteries or AC/DC power supply adapter
Size(H*W*D)	160mm * 75mm * 32mm
Weight	180g
Storage Temperature	-20 -- +60 , < 90%RH
Operating Temperature	-10 -- +50 , < 90%RH

Supplied with carry case and manual.

PART NO.	DESCRIPTION
C00-5465	A) MILLS 1310/1550NM OPTICAL LASER SOURCE
C00-6863	B) 1.25MM LC ADAPTOR FOR MILLS OPTICAL POWER METER & VISUAL FAULT LOCATORS

MILLS 850/1300NM OPTICAL LASER SOURCE

Mills Multi Mode Optical Laser Source are rugged low cost optical light sources (OLS) for quick easy and convenient fields insertion loss measurement and continuity checks.

They are supplied with 2.5mm SC test connector as standard. A separate 1.25mm LC screw-on adaptor (C00-6863) is supplied in the carry pouch.

The meter has a four button operation, with energy save mode offering highly stabilized light with built in optic isolator and modulation output of 270Hz, 1Hz, 2Hz.

This single mode laser source offer 850and 1300 wavelengths.

Stabilisation*	0.05dB / 1 hour; 0.1dB / 8 hours
Output Power	> -10 dBm @ 850nm/1300nm
Modulation	270Hz, 1KHz, 2KHz
Connector	SC/PC
Auto Power Off	No operation in 10 minutes (can be cancelled)
Battery Charge	Yes
Power Supply	AA * 2 batteries or AC/DC power supply adapter
Size(H*W*D)	160mm * 75mm * 32mm
Weight	180g
Storage Temperature	-20 -- +60 , < 90%RH
Operating Temperature	-10 -- +50 , < 90%RH

Supplied with carry case and manual.

PART NO.	DESCRIPTION
C00-5466	A) MILLS 850/1300NM OPTICAL LASER SOURCE
C00-6863	B) 1.25MM LC ADAPTOR FOR MILLS OPM, VFL AND OLS RANGE

TEST EQUIPMENT

MILLS VISUAL FAULT LOCATORS

Compact but powerful laser Visual Fault Locator, available in a choice of two output powers: 1mW with a 3-5km dynamic range or 10mW with a 8-10km dynamic range.

The red laser shines through most yellow-jacketed fibres to help pinpoint breaks, bends, faulty connectors, splices and other causes of signal loss. It has a reach of up to 8km. The tester locates faults visually by creating a bright red glow at the exact location of the fault on single mode or multimode fibres.

It is supplied with 2.5mm universal connector and 1.25mm adaptor, making it usable with almost every fibre connector.

• Bright red laser at 650nm
• Pulsed and continuous wave operation
• Up to 50 hours of operation
• Use standard AA alkaline batteries (not included)
• Heavy duty rugged and waterproof design
• 2.5mm universal connector and 1.25mm adaptor
• Soft case

PART NO.	DESCRIPTION
C00-6119	A) MILLS 1MW MILLS VISUAL FAULT LOCATOR
C00-6118	B) MILLS 10MW MILLS VISUAL FAULT LOCATOR
C00-5464	C) MILLS FIBRE OPTIC VISUAL FAULT LOCATOR 30MW
C00-6863	SPARE 1.25MM LC ADAPTOR
M99-6820	AA BATTERIES (PK 2)

MILLS FIBRE AND COPPER TESTER

Mills Fibre and Copper Tester - An essential combined tester for use on both fibre and copper structured cable networks.

Fibre Testing:

The Mills Fibre and Copper tester can be used on both single and multimode fibre networks. The power meter has 6 x calibrated wavelength 850nm,1300nm,1310nm,1490nm,1550nm and 1625nm, as well as a visual fault locator red light, and has a 2.5mm universal connector.
A separate 1.5mm adaptor is available for LC Connectors.

Copper Testing:

The tester has a removable remote unit with both RJ45 and RJ11 Ports making it ideal for simple continuity testing of Cat5e and Cat6 Ethernet cables. Supplied in pouch.
Dimensions 105 x 52 x 34mm. Requires 2 x AA Batteries.

PART NO.	DESCRIPTION
C00-6985	MILLS FIBRE AND COPPER TESTER

A) MILLS FIBRE TALK SET

The Mills Fibre Talk Set allows fast and easy communication via a free optical fibre during installation, maintenance, and operation of fibre optic cables. Voice transmission is carried out using modulated light signals. The integrated headset makes it easier to understand, even in a noisy environment. The Mills Fibre Talk Set is a hands free unit designed for transmitting voice in both directions on a single fibre using 1310/1550nm single mode wavelength. This duplex optical talk set has SC/PC connectors and a dynamic range of 45dB, giving a dynamic range up to 120km over a single mode cable. The talk set is rechargeable using the AC adaptor giving an operational time of at least 12 hours.

The Mills Fibre Talk comprises, Optical Talk Set (A & B), 2 x Headsets with Microphone, Carry Case, 240v UK Charger and Instruction Manual.

B) MILLS FIBRE TALK SET CHARGER 240V

Spare 240v charger for the C00-2545 Mills Fibre Talk Set.

PART NO.	DESCRIPTION
C00-2545	A) MILLS FIBRE TALK SET
C00-2549	B) MILLS FIBRE TALK SET CHARGER 240V

email: **sales@millsltd.com**   purchase online: **www.millsltd.com**

Mills
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A) FISPY MICRODUCT FAULT IDENTIFIER

The FiSpy is an innovative new product using smart technology to detect micro duct faults. Its patented process identifies a micro duct or micro ducts within a multiduct environment. This removes the risk of identification errors and the cutting of ducts, minimising the time and cost traditionally spent fault finding. One button operation makes the FiSpy easy to use with simple green or red LED indication to identify faults

The FiSpy has a low cost of ownership and maintenance, is user friendly, with a compact design. It works with 5mm, 7mm and 8mm interchangeable head sizes, and a robust IP67 ruggedised case.

B) FiSpy Microduct Fault Identifier 5mm Head

5mm head for use with the C00-7562 FiSpy Micro duct Fault Identifier

C) FiSpy Microduct Fault Identifier 7mm Head

7mm head for use with the C00-7562 FiSpy Micro duct Fault Identifier.

D) FiSpy Microduct Fault Identifier 8mm Head

8mm head for use with the C00-7562 FiSpy Micro duct Fault Identifier

PART NO.	DESCRIPTION
C00-7562	A) FISPY MICRODUCT FAULT IDENTIFIER
C00-9325	B) FISPY MICRODUCT FAULT IDENTIFIER 5MM HEAD
C00-9324	C) FISPY MICRODUCT FAULT IDENTIFIER 7MM HEAD
C00-7563	D) FISPY MICRODUCT FAULT IDENTIFIER 8MM HEAD

MILLS CABLE SNIFFER FIBRE IDENTIFIER

The Cable Sniffer is a patented tester for quickly and accurately identifying fibre cable in 7 and 8mm microduct. Once clamped around the microduct, the tester immediately can identify if a cable is present in the duct, and displays a red light if cable is present, or a green light if the duct is empty. A blue indication light will also be displayed if the unit has a 'no test'.

The 'Sniffer' is ergonomically design easily fits into the hand and has an IP54 Rating.

Dimension: 190x35x35mm.

COMING SOON!

PART NO.	DESCRIPTION
C00-0180	MILLS CABLE SNIFFER FIBRE IDENTIFIER 7MM
C00-0181	MILLS CABLE SNIFFER FIBRE IDENTIFIER 8MM

MILLS END FACE INSPECTION PROBE AND CAMERA

A simple portable fibre end face video microscope comprising probe and 3.5" (89mm) (320 x 240 Pixel) monitor screen, ideal for inspection of fibre optic connectors and patch leads and providing a X 250 magnification.

The probe has 4 adaptors allowing it to be used with FC,SC,ST,E2000,LC,MU and MPO connectors. Once connected to the monitor screen the rechargeable 3.7v 2000 Ah battery will provide up to 3 hours continuous usage.

Kit Comprises:
- Probe with 4 fibre adaptors
- 3.5" (89mm) (320 x 240 Pixel) Monitor Screen
- 240v Charger
- Carry Case

PART NO.	DESCRIPTION
C00-4610	MILLS END FACE INSPECTION PROBE AND CAMERA

ODM VIS 300C USB AND WIFI VIDEO FIBRE INSPECTION PROBE

ODM Digital Video Fibre Inspection System VIS300C - probe and monitor with analysis software, memory, reports, & Wi-Fi data transfer.

Features:
- Automated image centring
- Hands-free voice commands (Windows Vista, 7 and above)
- FOV 860µm x 640µm
- Pass/Fail analysis (IEC 61300-3-35)
- Wi-Fi or USB connection to Laptop/PC or cloud
- Stream power measurements from GRP460-02
- Generate reports
- Digital archiving
- High Definition Image
- Optical Power Meter
- Visual Fault Locator

PART NO.	DESCRIPTION
C00-5290	ODM VIS 300C USB AND WIFI VIDEO FIBRE INSPECTION PROBE

TEST EQUIPMENT

MILLS LIVE FIBRE IDENTIFIER

The Mills Live Fibre Identifier allows traffic detection and signal measurement anywhere on a singlemode fibre up to 3mm diameter, without causing damage to the fibre or disrupting the signal. In addition the Mills FID, also has a 1mW red light source to help pinpoint breaks, bends and faulty connectors.

The Mills FID is supplied in a protective Cordura style pouch with instruction manual.

*   Indicate the signal direction in fibre
*   Detect tones 270Hz, 1kHz and 2kHz to verify the modulated signal type
*   Suitable for 0.25, 0.9, 2.0, 3.0mm fibre
*   1mW Red Light Source
*   Battery low indication
*   Powered by 2 x 1.5V AA batteries (not included)
*   One-year warranty
*   Dimensions 230mm x45mm x 45mm
*   Weight 200g

PART NO.	DESCRIPTION
C00-6435	MILLS LIVE FIBRE IDENTIFIER

MILLS LIVE FIBRE IDENTIFIER PRO

The Mills Live Fibre Identifier is used for identifying the light power presence in optical fibres. It includes a trigger operated clamp to micro-bend the fibre which is then detected by photo sensors. The fibre identifier can detect the presence of several kinds of light signal and indicate signal direction in single mode fibres. The trigger lock function ensures the fibre is clamped with constant pressure, while the 1.44" colour LCD panel allows the user to view the estimated optical power in the fibre. Identification of modulated tones at 270Hz, 1kHz and 2kHz is provided.

Other features of the battery operated live fibre identifier include robust body design, easy-to-use fibre clamp, status indicator and adjustable settings for result retaining, tone on/off, screen brightness and auto power off.

Features:

Screen: 1.44 inch TFT screen
Max. Input Power: +20dBm
Min.Sensitivity: -50dBm
Battery: AA/LR6 alkaline battery
Modulation Identification: Yes
Applicable Fibres: 0.25 / 0.9 / 2.0 / 3.0mm fibre
VFL Specifications: 1mW with Glint function
OPM Specifications: EFI-50T : -70~+6dBm EFI-50C: -50~+26dBm
Dimensions: 195mm × 96mm × 37mm
Weight: 140g
Supplied with shade cap, instruction CD, calibration certificate and carry case.

PART NO.	DESCRIPTION
C00-7676	MILLS LIVE FIBRE IDENTIFIER PRO

FUJIKURA OPTICAL FIBRE IDENTIFIER

The Fujikura FID-30R & FID-31R optical fibre identifiers can pick up any optical traffic within a fibre through 3mm ruggedised outer jacket by simply clipping onto the fibre without causing damage to the fibre or coating or interrupting the signal. The fibre identifiers, used for identifying the light power presence in optical fibres, include three detecting functions: TONE, TRAFFIC, and ONU. The FID-30R also features a built-in optical power meter with interchangeable connector styles. The fibre identifiers can detect the presence of several kinds of light signal and indicate signal directions.

Features

• Robust body design for the field
• Universal fibre clamp design applicable for many types of fibres
• 2.4" full colour LCD touch screen with the backlight
• Trigger lock function for continuous fibre clamping
• Adjustable setting
• Connector head for power meter is interchangeable
• Firmware update via internet

PART NO.	DESCRIPTION
C00-5880	FID-30R OPTICAL FIBRE IDENTIFIER
C00-5881	FID-31R OPTICAL FIBRE IDENTIFIER

Fujikura
EUROPE LTD

TEST EQUIPMENT

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A) ODM RP 560 OPTICAL POWER METER WITH BLUETOOTH

The RP 560 optical power meter provides users with a simple platform for testing fibre optic cables at all connection points in the network.

Capable of displaying and testing 2 wavelengths at once, the RP 560 cuts dB loss testing time in half when used with the (C00-0305) ODM DLS 655 laser source or (C00-0304) ODM DLS 650 LED source.

Measurement Range +6 to -70 dBm
Wavelengths 850 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm, 1611 nm, 1625 nm
Resolution 0.01 dB

B) ODM DLS 650 DUAL LED SOURCE

The DLS 650 optical LED source provides outputs 850 and 1300nm wavelengths in either single or dual mode. When combined with the RP 560 model optical power meter (C00-0341), this LED source can greatly reduce the time needed to test fibre cables with its automated wavelength switching feature.

Included SC adaptor allows the light source ferrule to be cleaned, preventing contamination of test jumpers. Supplied with AA batteries and SC Adaptor.

C) ODM DLS 655 DUAL LASER SOURCE

The DLS 650 optical LED source provides outputs 1310 and 1550nm wavelengths in either single or dual mode. When combined with the RP 560 model optical power meter (C00-0341), this LED source can greatly reduce the time needed to test fibre cables with its automated wavelength switching feature.

included SC adaptor allows the light source ferrule to be cleaned, preventing contamination of test jumpers. Supplied with AA batteries and SC Adaptor.

PART NO.	DESCRIPTION
C00-0341	A) ODM RP 560 OPTICAL POWER METER WITH BLUETOOTH
C00-0304	B) ODM DLS 650 DUAL LED SOURCE
C00-0305	C) ODM DLS 655 DUAL LASER SOURCE

A) ODM UPM100-04 USB OPTICAL POWER METER (+23DBM TO -45DBM)
B) ODM UPM100-02 USB OPTICAL POWER METER (+6DBM TO -70DBM)

USB Power Meter used with ODM software to capture dB loss readings in optical fibre systems.

PART NO.	DESCRIPTION
C00-7175	A) ODM UPM100-04 USB OPTICAL POWER METER (+23DBM TO -45DBM)
C00-7174	B) ODM UPM100-02 USB OPTICAL POWER METER (+6DBM TO -70DBM)

ODM RP 450-02 OPTICAL POWER METER

The RP 450 Optical Power Meter is a very small handheld optical power producing wavelength of 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1611nm, and 1625nm.

With a dynamic range of Range -02: +6 to -70 dBm / -04: +23 to -45 dBm

Connection to the fibre under test is made via the included universal 2.5 mm adapter. Dimensions 15.5cm x 2.38cm x 1.9cm.

PART NO.	DESCRIPTION
C00-1294	ODM RP 450-02 OPTICAL POWER METER

ODM ADAPTORS

A) ODM AC029 LC Adaptor for RP and UPM Optical Power Meters

B) ODM AC028 FC Adaptor for RP and UPM Optical Power Meters

C) ODM AC027 ST Adaptor for RP and UPM Optical Power Meters

D) ODM AC026 SC Adaptor for RP and UPM Optical Power Meters

E) ODM AC025B LC Adaptor for DLS Optical Light Sources

F) ODM AC024B ST Adaptor for DLS Optical Light Sources

G) ODM AC023B FC Adaptor for DLS Optical Light Sources ODM AC023B FC Adaptor for DLS Optical Light Sources

H) ODM AC021 1.25MM Universal Adaptor for RP and UPM Optical Power Meters
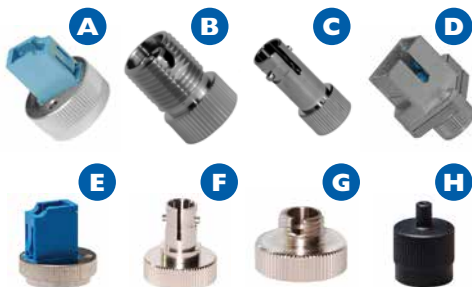
PART NO.	DESCRIPTION
C00-1316	A) ODM AC029 LC ADAPTOR FOR RP AND UPM OPTICAL POWER METERS
C00-1314	B) ODM AC028 FC ADAPTOR FOR RP AND UPM OPTICAL POWER METERS
C00-1307	C) ODM AC027 ST ADAPTOR FOR RP AND UPM OPTICAL POWER METERS
C00-1296	D) ODM AC026 SC ADAPTOR FOR RP AND UPM OPTICAL POWER METERS
C00-7184	E) ODM AC025B LC ADAPTOR FOR DLS OPTICAL LIGHT SOURCES
C00-7183	F) ODM AC024B ST ADAPTOR FOR DLS OPTICAL LIGHT SOURCES
C00-7182	G) ODM AC023B FC ADAPTOR FOR DLS OPTICAL LIGHT SOURCES
C00-7181	H) ODM AC021 1.25MM UNIVERSAL ADAPTOR FOR RP AND UPM OPTICAL POWER METERS

GOPM-01 AND GOPM-02 OPTICAL POWER METERS

Combined optical power meter (OPM) and visual fault locator (VFL) instrument has exactly what you need to troubleshoot FTTx and point-to-point networks.

Available in two dynamic ranges:

A) GOPM-01 (C00-7617)
-70 to +6dBm (1310/1490/1550/1625) -60 to +6dBm (850/1300)

B) GOPM-02 (C00-7618)
-50 to +26dBm (1310/1490/1550/1625)-40 to +26dBm (850/1300)

Features:

- Singlemode and multimode compatible
- Calibrated wavelengths of 850/1300/1310/1490/1550/1625nm
- Connector: Universal 2.5mm
- Wavelength Response: 700 - 1700nm
- Detector: InGaAs
- Power Supply: AAA x 2 Alkaline /Rechargeable via USB
- Battery Lifetime: >60 Hours (OPM mode)
- Operating Temperature: -10 to +50C (<90% Relative Humidity)
- Storage Temperature: -20 to +60C (<90% Relative Humidity)
- VFL Wavelength: 650nm +/-20nm
- VFL Output: ≤ 1mW/ 2Hz with a range of 4km
- Size: 105 x 52 x 24mm (4.25 x 2.0 x 0.9")
- Weight: 100g
- Auto Power Off: 10 minutes of no activity
- Certifications: CE, RoHS, CDRH, WEEE, EAC

PART NO.	DESCRIPTION
C00-7617	A) TEMPO GOPM-01 OPTICAL POWER METER WITH VFL
C00-7618	B) TEMPO GOPM-02 HIGH POWER OPTICAL POWER METER WITH VFL
C00-7619	C) TEMPO MICRO OPM CARRY CASE

TEMPO FI-100 FIBRE IDENTIFIER KIT

The FI-100 fibre identifier quickly determines the approximate core power and signal direction in a fibre cable without disconnecting it. It supports all common fibres including 250µm, 900µm, 2mm, and 3mm and is able to sense light in bend insensitive fibres.

Kit includes:

- Fibre Identifier
- 250µm Adapter
- 900µm Adapter
- 2mm Adapter
- 3mm Adapter
- Soft Carry Case
- Instruction Manual
- Sun Shade
- 2 x AA batteries

Ref: 094661

PART NO.	DESCRIPTION
C00-5892	TEMPO FI-100 FIBRE IDENTIFIER KIT

TEMPO 180XL VISUAL FAULT LOCATOR KIT

1mW Visual Fault Locator delivering 635nm The Tempo 80XL visual fault finder is an indispensable tool for quickly identifying bending losses and breaks in optical fibres. Continuous wave output mode for steady fault illumination

- Blinking output mode increases viewing contrast
- Easy to use "Quick Connect" interface fits all 2.5mm fibre optic connectors
- Ergonomic switch permits easy one-handed operation
- Simple, versatile, and user-friendly design
- Rugged, compact, and splash proof aluminium housing
- High output 1.0mW (0dBm) 650nm red laser
- Up to 7km range
- Two AA-size alkaline batteries provide 80 hours of continuous operation
- Nylon belt holster included

PART NO.	DESCRIPTION
C00-5924	TEMPO 180XL VISUAL FAULT LOCATOR KIT

TEMPO 930XC OTDR

The 930XC OTDR is used to find the length and or the location of loss events of a fibre optic cable or link. This is necessary during the installation/fibre qualification processes and also during troubleshooting tasks. This application note will provide the reader with details concerning typical measurements of optical fibres for passive optical networks (PON) and point-to-point (P2P) networks.

- One button test functions
- Automatically sets test parameters for optimum test results
- Graphical interface. Easy to read, even in low or bright lighting conditions
- Up to 38 dB dynamic range. Probe longer cables and see smaller reflections
- Measure lengths and defects. Quickly locates faults
- Cable acceptance reports. Generate customised reports that include trace signature and fibre events

Available in Multimode Dual, Singlemode Dual and Singlemode Triple wavelengths with a variety of connector options.

Please see datasheet, shown at millsltd. com/930xc to identify the particular version you require and call sales for a quote.

Formerly C00-5483.

PART NO.	DESCRIPTION
930XC	TEMPO 930XC OTDR

TEMPO OPTICAL POWER METER

Durable and compact, the Tempo Optical Power Meter Available in dynamic ranges:

A) C00-4120 OPM510
Measure range
(dBm) -65 ~ +10

B) C00-4121 OPM520
Measure range
(dBm) -50 to +27

Features:
- InGaAs detector for maximum sensitivity
- Filtered InGaAs for measuring high powered optical signals
- Singlemode and multimode measurements
- Calibrated wavelengths of 850nm, 1300nm, 1310nm, 1490nm, 1550nm and 1625nm
- 270Hz, 1kHz and 2kHz tone
- 155 × 88 × 33mm
- Weight 300g
- Require 9v PP3 Battery

PART NO.	DESCRIPTION
C00-4120	A) TEMPO OPM510 OPTICAL POWER METER
C00-4121	B) TEMPO OPM520 OPTICAL POWER METER

TEMPO DUAL WAVELENGTH LASER SOURCE

Durable and compact, the Tempo Stabilised Light Source will interface with all industry standard connectors and dual wavelengths

Available in single and multimode options:

A) C00-4122 SLS520
Dual Wavelength Laser Source
1310/1550

B) C00-4123 SLS525
Dual Wavelength Laser Source
850/1300

Specifications:
- Emitter Type FP
- Output Power (Max/Min) ≤ 0dBm/-1dBm (C00-4122) or Output Power (Max/Min) -20dBm/-21dBm (C00-4123)
- Modulation Frequency 270, 1kHz, 2kHz
- Display LCD
- Battery Life 60 Hours
- Connector Type SC/PC (Interchangeable LC ,ST, FC)
- Weight 300g
- Dimensions 155 × 89 × 33mm
- IP Rating IP54
- Compliance CE, FCC, 21 CFR 1040.10 (Laser)
- Require 9v PP3 Battery

PART NO.	DESCRIPTION
C00-4122	A) TEMPO SLS520 DUAL WAVELENGTH LASER SOURCE 1310/1550
C00-4123	B) TEMPO SLS525 DUAL WAVELENGTH LED SOURCE 850/1300

TEMPO TRIPLE WAVELENGTH LASER SOURCE

Durable and compact, the Tempo Stabilised Light Source will interface with all industry standard connectors and triple wavelengths

A) C00-4124 SLS520
Dual Wavelength Laser Source
1310/1490/1550

B) C00-4125 SLS525
Dual Wavelength Laser Source
1310/1490/1625

C) C00-4125 SLS525
Dual Wavelength Laser Source
1310/1490/1650

Specifications:
- Emitter Type FP
- Output Power (Max/Min) ≤ 0dBm/-1dBm (C00-4124) or Output Power (Max/Min) -20dBm/-21dBm (C00-4123)
- Modulation Frequency 270, 1kHz, 2kHz
- Display LCD
- Battery Life 60 Hours
- Connector Type SC/PC (Interchangeable LC ,ST, FC)
- Weight 300g
- Dimensions 155 × 89 × 33mm
- IP Rating IP54
- Compliance CE, FCC, 21 CFR 1040.10 (Laser)
- Require 9v PP3 Battery

PART NO.	DESCRIPTION
C00-4124	A) TEMPO SLS530 TRIPLE WAVELENGTH LASER SOURCE 1310/1490/1550
C00-4125	B) TEMPO SLS535 TRIPLE WAVELENGTH LASER SOURCE 1310/1550/1625
C00-4126	C) TEMPO SLS536 TRIPLE WAVELENGTH LASER SOURCE 1310/1550/1650

TEMPO OPTICAL WAVELENGTH SPLITTER

The OWS 201 Optical Wavelength Splitter is used to separate the various wavelengths that may be present in GPON, XG PON and NGPON2 networks to measure the optical power at each wavelength independent of other network signals.

A standard optical power meter used to measure each signal without the need to purchase a costly DWDM OPM.

Available in two wavelength versions:

A) C00-4147 OWS201 Optical Splitter 1490/1570 nm
B) C00-4123 OWS202 Optical Splitter 1490/1577 nm

Specifications:
- Channel Count: 2/4/8 – User Defined from ITU Grid
- Insertion Loss: Typically 0.1dB (Maximum 0.27dB) for two wavelength version
- Return Loss: <-60dB
- Dimensions 110 x 70 x 26mm
- Weight 67g
- Connectors: SC/APC (GR326 Compliant)
- Enclosure Material: ABS
- Compliance: RoHS

PART NO.	DESCRIPTION
C00-4147	A) TEMPO OWS201 OPTICAL WAVELENGTH SPLITTER 1490NM / 1570NM
C00-4148	B) TEMPO OWS202 OPTICAL WAVELENGTH SPLITTER 1490NM / 1577NM

TEMPO POWER METERS

A selection of 8 popular Tempo Power Meters, Light Sources from P474 in different combinations to all you testing requirements.

A) Tempo SM DUAL KIT Singlemode Kit TELCO Dual (OPM510 & SLS520)
B) Tempo SM DUAL KIT HP Singlemode Kit MSO Dual (OPM520 & SLS520)
C) Tempo SM T PON KIT Singlemode Kit TELCO PON (OPM510 & SLS530)
D) Tempo SM T PON KIT HP Singlemode Kit MSO PON (OPM520 & SLS530)
E) Tempo SMMMKIT-T TELCO Optical Power Meter & Stabilised Light Source Kit
F) Tempo MM DUAL KIT Multimode Kit Dual (OPM510 & SLS525)
G) Tempo SM T 1625 KIT Singlemode Kit TELCO Live 1625 (OPM510 & SLS535)
H) Tempo SM T 1650 KIT Singlemode Kit TELCO Live 1650 (OPM510 & SLS536)
I) Tempo SM T 1625 KIT HP Singlemode Kit MSO Live 1650 (OPM520 & SLS535)
J) Tempo SM T 1650 KIT HP Singlemode Kit MSO Live 1650 (OPM520 & SLS536)
K) Tempo SMMMKIT-M MSO Optical Power Meter & Stabilised Light Source Kit

PART NO.	DESCRIPTION
C00-4127	A) TEMPO SM DUAL KIT SINGLEMODE KIT TELCO DUAL (OPM510 & SLS520)
C00-4128	B) TEMPO SM DUAL KIT HP SINGLEMODE KIT MSO DUAL (OPM520 & SLS520)
C00-4130	C) TEMPO SM T PON KIT SINGLEMODE KIT TELCO PON (OPM510 & SLS530)
C00-4133	D) TEMPO SM T PON KIT HP SINGLEMODE KIT MSO PON (OPM520 & SLS530)
C00-4136	E) TEMPO SMMMKIT-T TELCO OPTICAL POWER METER & STABILISED LIGHT SOURCE KIT
C00-4129	F) TEMPO MM DUAL KIT MULTIMODE KIT DUAL (OPM510 & SLS525)
C00-4131	G) TEMPO SM T 1625 KIT SINGLEMODE KIT TELCO LIVE 1625 (OPM510 & SLS535)
C00-4132	H) TEMPO SM T 1650 KIT SINGLEMODE KIT TELCO LIVE 1650 (OPM510 & SLS536)
C00-4134	I) TEMPO SM T 1625 KIT HP SINGLEMODE KIT MSO LIVE 1650 (OPM520 & SLS535)
C00-4135	J) TEMPO SM T 1650 KIT HP SINGLEMODE KIT MSO LIVE 1650 (OPM520 & SLS536)
C00-4137	K) TEMPO SMMMKIT-M MSO OPTICAL POWER METER & STABILISED LIGHT SOURCE KIT

TEST EQUIPMENT

VEEX FX45 OPTICAL POWER METER OPM

A low cost, palm-sized single mode optical power meter optimised to suit most broadband networks to measure and save absolute (dBm) or relative power (dB) levels. Importantly including the new testing wavelength 1577.

The robust VeEx45 is supplied in single mode format with 6 popular wavelengths of 1310, 1490, 1550,1577 1625,1650, and a dynamic range of -50 to +25 dBm, and is ideal for use for PON, Telecom, CATV applications.

In addition the OPM is able save over 1000 single results with timestamp which can be transferred and stored to a PC via USB using VeEx Fiberizer Software for report generation.

The unit has a splash resistant keypad and chassis design as well as high contrast display making it visible outdoors and backlight for indoor or low light conditions.

Our FX45 is supplied with a SC/APC connector as standard with a number of patch lead adaptors available for use with SC/PC,LC/PC, LC/APC, FC, ST or Optitap

The OPM is supplied with NiMH Battery, AC Adaptor/Power Cord, Carry Pouch.

PART NO.	DESCRIPTION
C00-7630	VEEX FX45 OPTICAL POWER METER OPM

VEEX FX45 OPTICAL LIGHT SOURCE OLS

A low cost, palm-sized single mode optical power meter optimised to suit most broadband networks to measure and save absolute (dBm) or relative power (dB) levels

The robust VeEx45 is supplied in single mode format with 2 popular wavelengths of 1310/1550 and is ideal for use for PON, Telecom, CATV applications

In addition the OLM is able save over 1000 single results with timestamp which can be transferred and stored to a PC via USB using VeEx Fiberizer Software for report generation.

The unit has a splash resistant keypad and chassis design as well as high contrast display making it visible outdoors and backlight for indoor or low light conditions

Our FX45 is supplied with a SC/APC connector as standard with a number of patch lead adaptors available for use with SC/PC,LC/PC, LC/APC, FC, ST or Optitap

The OPM is supplied with NiMH Battery, AC Adaptor/Power Cord, Carry Pouch

PART NO.	DESCRIPTION
C00-7631	VEEX FX45 OPTICAL LIGHT SOURCE OLS

A-D) SIMPLEX CABLE ARMOURED OS2

The armoured OS2 singlemode patchcord is the ideal solution for installations in hazardous environments and provides greater protection than standard patchcords.

This patchcord features built-in metal armouring, providing an additional layer of protection for your fibre optic connections.

Whether you're working in a harsh industrial environment or need protection from slight dust, oil, moisture or even rodents.

E-H) TEMPO OPTITAP COMPATIBLE PATCHCORD SINGLEMODE

These 15 metre 9/125 Single mode, Optitap Compatible Patchleads are designed to enable engineers to test CBTs during installation and for general service and maintenance applications.

PART NO.	SIMPLEX CABLE ARMOURED OS2
T70-0504	A) SC/PC SIMPLEX CABLE ARMOURED OS2 - 1M
T70-0505	B) SC/APC SIMPLEX CABLE ARMOURED OS2 - 1M
T70-0506	C) LC/PC SIMPLEX CABLE ARMOURED OS2 - 1M
T70-0507	D) LC/APC SIMPLEX CABLE ARMOURED OS2 - 1M

PART NO.	TEMPO OPTITAP COMPATIBLE PATCHCORD
T70-7599	E) SINGLEMODE 9/125 SC/APC 3M
T70-7600	F) SINGLEMODE 9/125 SC/APC 15M
C00-1726	G) SINGLEMODE 9/125 SC/UPC 3M
C00-1727	H) SINGLEMODE 9/125 SC/UPC 15M

VEEX FX41XT PON METER

Selective PON Optical Power Meter for G-PON and XGS-PON

10G Next-Gen and Legacy PON Optical Power Meter

Provides fast, simple, and precise measurement of G-PON and XGS-PON downstream signals. Miniature filters ensure each wavelength is measured accurately. The tester is well suited for installation, service verification, and troubleshooting of co-existent networks, including IEEE based E-PON and 10G-EPON deployments.

Downstream signal verification for 1G/10G PON networks

Simultaneous 1490/1577 nm signal level measurements

Pass/Fail indication per ODN Class or User thresholds

Alkaline or rechargeable NiMH batteries with Auto- off

Save up to 2000 measurements with date and timestamp

Save/display test results via NoApp™ QR code for mobile device transfer, post-processing, sharing, and upload

Cloud-based NoApp™ service (included) allows for data augmentation via mobile phone or tablet. Secured and always up to date. No installation or updates required.

Micro USB interface for 5V DC powering and battery charging

High contrast backlit, monochrome display - visible outdoors and indoor with varying light conditions

Splash and dust resistant keypad and chassis design

Rugged polycarbonate chassis for demanding field conditions

Fixed SC/APC connector interface with protective dust caps

Visual Fault Locator (VFL) option

Broadband Optical Power Meter (OPM) option

PART NO.	DESCRIPTION
C00-7632	VEEX FX41XT PON METER

VEEX FL41 FAULT LOCATOR

Optical Fault Locator for Service Activation and Maintenance

The FL41 is a budget friendly and palm-sized Fault Locator/ Optical Power Meter for measuring fibre spans up to 20 km in length. The FL41f has a built-in filter for in-service fault locating. The FL41 is the perfect tool for service activation technicians who need to measure short fibre links and drop fiber for PON, 5G rollout, FTTx, LAN/WAN, and CATV.

Singlemode cable length verification

Single test port - fixed SCAPC connector

Less than 30 seconds typical test time with one touch automatic mode

In-Service testing with built-in filter

NoApp™ QR code generation capability for faster result saving*

Simple user interface that saves time on the job

High contrast display with backlight

Handheld, lightweight rugged design

Splash and dust resistant design

Save up to 10 test results

Micro USB charging point

Battery autonomy >350 tests

PART NO.	DESCRIPTION
C00-7633	VEEX FL41 FAULT LOCATOR

TEST EQUIPMENT

Mills EST. 1919

TEMPO OFL100 LAST MILE OTDR 1310/1550NM

The OFL100 OTDR enables the front-line fibre technician to quickly locate loss events in the last mile of the FTTx network.

The convenient touchscreen provides an intuitive interface for even newly provisioned technicians making it simple to locate loss events such as cut fibres, contaminated or damaged connectors, and excessively bent fibres.

The Auto Mode allows for the technician to initiate a measurement without adjusting any test parameters.

The Expert OTDR Mode provides access to all features that the savvy OTDR technician demands so they can refine measurement parameters enabling them to troubleshoot the most demanding faults.

Results can be displayed using a traditional OTDR trace or linear map with user selectable Pass/Fail analysis.

All events are measured, annotated, saved, and exported as an industry standard SOR file that is compliant to GR196 Telcordia standards.

The SOR file can be imported into the Trace Viewing program where analysis can be performed, and test results can be saved as a PDF report.

Fast
- Easy to use one button test function. Start measurements with the push of one button.
- Auto test automatically sets test parameters for optimum test results.

Accurate
- Graphical touchscreen interface is easy to read, even in high ambient light conditions.
- 128,000 data points provides high accuracy results.
- Measure lengths and fibre defects to quickly locate faults.

Reliable
- Link Viewer annotates the entire fibre link in an easy to interpret Pass/Fail format.
- Cable acceptance reports generate customized reports that include trace signature and fibre events.
- Long life battery so you can work longer without recharging - up to 12 hour shift capable.

Contents
- OFL100
- Power Supply with USB cable
- Soft Carry Case with Strap
- SC/APC Adapter

Please see datasheets for full specifications.

PART NO.	DESCRIPTION
C00-0120	TEMPO OFL100 LAST MILE OTDR 1310/1550NM

ANRITSU MT9090A OPTICAL FIBRE NETWORK TEST & OTDR PLATFORM 1310/1550/1650

Anritsu Network Master is a multi-function OTDR and fibre testing platform. It is a modular palm-sized handheld 3-wavelength, 32.5 dB class µOTDR with Power Meter.

It comprises the MT9090A mainframe that houses the MU909014C-058 multi-functional optical fibre test platform.

3 Wavelength (1310/1550/1650 nm) 32.5 dB Class OTDR.

The OTDR offers a dynamic range of 32.5 dB/31 dB/32.5 dB with PW = 20 µs and 24.5 dB/23 dB/24 dB with PW = 500 ns.

Power Meter (1310nm / 1490 nm / 1550 nm) Shared with OTDR port.

The simple power meter function is ideal for checking optical levels to confirm a fault occurrence using total received power.

Setting a threshold and reference value makes PASS/FAIL evaluation easy too. In addition, power measurements and µOTDR tests are quick and easy without changing the optical fibre, because the Power Meter port is shared with the µOTDR.

Comprises:
- MT9090A Mainframe
- MU909014C µOTDR Module
- MU909014C-058 SMF 1310/1550/1650nm µOTDR Module (UPC)
- MU909014C-040 SC Connector

For full specifications or configurations please call our Sales Team on 0208 833 2626 or visit our website www.millsltd.com

PART NO.	DESCRIPTION
C00-4545	ANRITSU MT9090A OPTICAL FIBRE NETWORK TEST & OTDR PLATFORM 1310/1550/1650

ANRITSU MT9090A OTDR

The handheld Network Master™ MT9090A OTDR from Anritsu helps you easily test FTTX deployments with up to a 1 x 64 split from end-to-end on high resolution and colour 4.3-inch wide screen display.

The MT9090A OTDR provides all of the features and performance required for installation and maintenance of optical fibres in a compact, modular test set. The MT9090A is a popular choice with global telcos and represents an unmatched level of value and ease of use, while not compromising performance. Data sampling of 2cm, dead zones of 0.8m and dynamic range up to 38dB ensure accurate and complete fibre evaluation of any network type - premise to access, metro to core - including PON-based FTTx networks featuring up to a 1x64 splittters.

- Compact OTDR for both installation and maintenance
- Built-in PON Power Meter, Loss Test Set and Light Source functions
- High-end OTDR performance in a pocket-size package
- "Fibre Visualizer" mode simplifies operation, no OTDR knowledge needed
- Complete PON testing through splitters up to 1x64
- Bluetooth, Wi-Fi and Ethernet connectivity

For full specifications or configurations please call our Sales Team on 0208 833 2626 or visit our website, millsltd.com

PART NO.	DESCRIPTION
C00-6982	ANRITSU MT9090A OTDR

ANRITSU MT9085A OTDR

The ACCESS Master MT9085 is a handheld complete Fibre Optical Cable tester for performing all optical pulse tests, optical loss/power measurements and optical fibre end-face inspections. Ideal for FTTx, PON, Metro WDM. The MT9085 now features an 8-inch TFT 16:9 wide touch screen display for use indoors and outdoors while providing a rotary knob and new short-cut function keys simplify and minimize operations and time to complete a test.

Replacing the MT9083 series, the MT9085 series of OTDRs combine an 8" touch screen with hard keys to provide the maximum ease of use and productivity. The MT9085 series is available with three different levels of dynamic range, Standard (MT9085A), Enhanced (MT9085B) and High Performance (MT9085C).

- Large 8-inch enhanced display easy viewing of results indoors or outdoors
- Enhanced usability, utilising a combination of both touch screen and hard keys.
- Easy to understand graphical summary using Anritsu's industry leading "Fibre Visualizer"
- Wi-Fi and Bluetooth wireless connectivity for file sharing
- Up to 1x128 splitters fibre evaluation for PON networks
- High speed real-time measurement

For full specifications or configurations please call our Sales Team on 020 8833 2626 or visit our website, millsltd.com

PART NO.	DESCRIPTION
C00-4544	ANRITSU MT9085A OTDR

A) EXFO MAX-730D-SM8 OTDR 1310/1550NM & 1650NM LIVE ON SINGLE PORT

B) EXFO MAX-730D-SM3 OTDR 1310/1550/1625NM

Fully featured, entry-level, dedicated OTDR with tablet-inspired design, suitable for metro and optimised to test through optical splitters, for seamless end-to-end FTTH characterisation and troubleshooting.

Key Features:

- Rugged, handy, lightweight, tablet-inspired design built for outside plant
- 7-inch, outdoor-enhanced touchscreen–the biggest in the handheld industry
- 12-hour autonomy
- Dynamic range up to 39 dB for up to 132 km point-to-point (P2P)
- Short dead zones: event dead zone (EDZ) 0.5 m, attenuation dead zone (ADZ) 2.2 m, PON dead zone 30 m

- FTTx in-service testing at 1650 nm with optional in-line GPON/XGS-PON power meter
- Swap-Out connector, replaceable whenever necessary for optimal performance over time without undue service cost and downtime
- iOLM-ready: one-touch multiple acquisitions, with clear go/no-go results presented in a straightforward visual format
- Industry-leading onboard PDF reporting and post-processing, included for all users
- 3-year warranty

PART NO.	DESCRIPTION
C00-0207	EXFO MAX-730D-SM8 OTDR 1310/1550NM & 1650NM LIVE ON SINGLE PORT
C00-0208	EXFO MAX-730D-SM3 OTDR 1310/1550/1625NM

C) EXFO FIP-430B USB FIBRE INSPECTION PROBE

This intelligent and automated test tool transforms fibre inspection into a faster and simplified one-step process providing accurate and consistent test results, and preventing the reporting of false-positive results.

Features:

- SC/FC Bulkhead Tip
- Universal 2.5mm Patch Cord Tip
- Triple Magnification
- Image Capture
- ConnectorMax
- Auto Centering
- Auto Focus
- On-Board Pass/Fail LED Indicator
- Usable on PC
- Usable on MaxTester
- Usable on FTB Ecosystem

D) EXFO FIP-400B WIRELESS FIBRE INSPECTION PROBE

Turn your Android™ or iOS device into a fully automated fibre inspection solution delivering fast and consistent test results.

With no wires in your way or cumbersome battery pack, it provides unmatched end-user experience, combined with bring-it-anywhere portability.

Features:

- 100% automated, one-step inspection process
- Completely wireless, self-powered unit
- Screenless operation enabled by pass/fail LED indicator
- On-board connector endface analysis (IEC, IPC or custom standards)
- Feature-rich ConnectorMax2 mobile application compatible with AndroidTM and iOS devices
- Full reporting capabilities on mobile devices
- All-day battery life that will never let you down
- Compatible with automated multifiber connector inspection

By combining unmatched ease of use and WiFi connectivity along with the flexibility and portability of Android™ and iOS smart devices, EXFO is removing the last roadblocks in connector certification and making testing simple and headache-free.

With the FIP-435B, there is nothing restricting your field crews from following fibre-testing best practices and eradicating faulty connector issues impacting the performance of your network.

No matter your fibre testing experience, simply connect the probe and let it do all the work.

PART NO.	DESCRIPTION
C00-0211	C) EXFO FIP-430B USB FIBRE INSPECTION PROBE
C00-0212	D) EXFO FIP-400B WIRELESS FIBRE INSPECTION PROBE

REPLACEMENT APC & UPC SWAP OUT CONNECTORS FOR EXFO 730D

The MaxTester 700D OTDR Series comes with a Swap-Out connector which can easily be changed, as and when needed, without having to send the test unit to a service centre. This ensures optimal performance over time without undue maintenance costs and downtime. The OTDR's optical connector health can be checked with an onboard diagnostic tool to replace the connector only when necessary.

PART NO.	DESCRIPTION
C00-0209	A) REPLACEMENT APC SWAP OUT CONNECTOR FOR EXFO 730D
C00-0210	B) REPLACEMENT UPC SWAP OUT CONNECTOR FOR EXFO 730D

EXFO OX1 PRO 1 OPTICAL FIBRE MULTIMETER

The first optical fibre multimeter (OFM): Instant link verification with embedded fault tracking.

Verify optical links in seconds and automatically explore further when potential issues are suspected. Accelerate fibre rollouts, simplify activation procedures and improve robustness of repairs for better QoS and MTTR.

PART NO.	DESCRIPTION
C00-0203	EXFO OX1 PRO 1 OPTICAL FIBRE MULTIMETER

LAUNCH LEADS

An OTDR requires a Launch Lead to be able to launch and receive test cable loss measurements for fibre optic links and reveals the insertion loss and reflectance of the near-end connection.

Features:
- Compact and rugged construction
- 50N cable retention force
- 1.5m tail
- Pouch included

PART NO.	DESCRIPTION
C00-9236	LAUNCH LEAD SC-SC SM G652 1000M
C00-9237	LAUNCH LEAD SC-LC SM G652 1000M
C00-9238	LAUNCH LEAD SC/APC-SC SM 1000M
C00-9239	LAUNCH LEAD SC/APC-SC/APC SM G652 1000M
C00-9240	LAUNCH LEAD SC/APC-LC/APC SM G652 1000M

TEMPO RUGGEDISED LAUNCH BOX 500M SC/APC SC/UPC

LC-500 Fibre Launch Box is a 500 metre launch cable that can be applied to each end of a fibre under test to characterise the input & output connectors. Troubleshoot the input connector & the initial fibre span that may be masked by the deadzone of the OTDR. Launch cable can also be used to minimize deadzones.

PART NO.	DESCRIPTION
C00-1152	TEMPO RUGGEDISED LAUNCH BOX 500M SC/APC SC/UPC

FUTURA LAUNCH LEADS

A range of compact armoured 3mm launch leads for the testing, certification and maintenance of fibre optic networks.

Available in SC/APC-SC/APC & IC/APC-IC/APC configurations in 150m, 500m & 1000m lengths of G.652 D Singlemode fibre.

Specifications:
- Dimensions: Diameter 110mm x 50mm Height
- Weight: 400g
- Insertion Loss: <0.25dB
- Return loss: <-60dB
- Material: ABS & Aluminium

PART NO.	DESCRIPTION
C00-6774	FUTURA 9/125 SC/APC - LC/APC 150M LAUNCH LEAD
C00-6780	FUTURA 9/125 SC/APC - LC/APC 500M LAUNCH LEAD
C00-6775	FUTURA 9/125 SC/APC - LC/APC 1000M LAUNCH LEAD
C00-6770	FUTURA 9/125 SC/APC - SC/APC 500M LAUNCH LEAD
C00-6771	FUTURA 9/125 SC/APC - SC/APC 1000M LAUNCH LEAD
C00-6772	FUTURA 9/125 LC/APC - LC/APC 500M LAUNCH LEAD
C00-6773	FUTURA 9/125 LC/APC - LC/APC 1000M LAUNCH LEAD

LAUNCH LEAD 2.2KM (1.5M) ARMOURED TAIL & CASE

A) SC/APC-LC/UPC
B) SC/APC-FC/UPC

An OTDR requires a Launch lead to be able to launch and receive test cable loss measurements for fibre optic links. The Launch Lead is connected link under test, to reveal the insertion loss and reflectance of the near-end connection.

The Launch Lead is supplied in a compact SR polypropylene enclosure and can be purchased with a choice of connector types to suit most given applications. The box is waterproof and dustproof and is available in fibre lengths from 500m to 2200m for singlemode or multimode. Other fibre lengths are available upon request.

PART NO.	DESCRIPTION
T70-5050	A) SC/APC-LC/UPC LAUNCH LEAD 2.2KM (1.5M ARMOURED TAIL) & CASE
T70-5051	B) SC/APC-FC/UPC LAUNCH LEAD 2.2KM (1.5M ARMOURED TAIL) & CASE

TEST EQUIPMENT

Mills EST. 1919

EXFO EX1 FTTH AND BUSINESS SERVICES TESTER

The EXFO EX1 Gigabit Ethernet Tester features FPGA-powered hardware and Speedtest by Ookla to qualify broadband connections and provide download/upload throughput measurements. It is paired with an Android smart device (6.0 Marshmallow and higher) for monitoring, testing, and report generation in PDF or CSV that can be shared via email or the EXFO Connect cloud service. It has an electrical RJ45 test port, USB 3.0 Type-C port, 1GB memory and 8GB storage. The EX1 tester is operated by rechargeable Li-ion battery. It measures 5" x 3" x 1-3/4" and weighs 1lb. AC/DC adapter/charger is supplied.

For further detail call 0208 833 2626 or visit www.millsltd.com

PART NO.	DESCRIPTION
C00-0204	EXFO EX1 FTTH AND BUSINESS SERVICES TESTER

TEMPO AIRSCOUT LIVE PRO

The AirScout® Live PRO is an easy to use, engineering grade troubleshooting tool that helps you identify WiFi and non-WiFi interference on your network. It also provides a real-time view of how your network is being utilized and by what, down to the client.

Spectrum Analysis:
- Identify Wi-Fi and non-wireless interference on your network. Use this tool in parallel with the AirTime Analysis to accurately pinpoint the cause of interference.
- Troubleshoot quickly
- Detect non-Wi-Fi interference
- Analyze interference
- Identify impact on WLAN channels

AirTime Analysis:
- Utilize a complete, real-time view of how your network is being utilized and by what clients.
- Live view of channel utilization
- AP and client level analysis
- MAC address and device identification

PART NO.	DESCRIPTION
C00-4686	TEMPO AIRSCOUT LIVE PRO

TEMPO AIRSCOUT GIGACHECK

The AirScout GigaCheck unit, controlled via smartphone app, connects directly to a customer's residential gateway. It then tests WiFi coverage and verifies the upload and download speeds of the wired Ethernet connection in real-time, all the way up to 1 gigabit.

WiFi® Test:
- Simple, One-Click Connection to Wireless Routers for Testing up to 1.3 Gbps
- Signal/Noise/SNR Measurements
- Transmit and Receive Success Rates
- PHY Rate
- Upload/Download/Ping

Ethernet Test:
- Upload Speed up to 1 Gbps
- Download Speed up to 1 Gbps
- Ping

PART NO.	DESCRIPTION
C00-4687	TEMPO AIRSCOUT GIGACHECK

TEMPO AIRSCOUT 302 WI-FI TESTING KIT

AirScout provides an automated solution that surveys the residence from Layer 1 all the way through to the application layer. Providing technicians with a tool that distills complex measurements into easy to understand metrics; enabling technicians to convey to consumers whether their applications are supported where they need it.

Applications:
- Enables the Telco, Cable/MSO and their installation and maintenance contractors to provision highly effective Wi-Fi to their consumers
- Household Wi-Fi provision
- SME Wi-Fi provision
- Community Wi-Fi service provision
- Confirms satisfactory Wi-Fi performance before job closure
- Provides Wi-Fi "birth certificate" for the installation

Comprises:
- 1 x Soft Carry Case
- 1 x AC/DC Universal Power Supply
- 1 x 12V Vehicle Charging Lead
- 1 x Quick Start Guide
- 1 x AirScout Master Controller (ASM300)
- 2 x AirScout Client Devices (ASC300)

PART NO.	DESCRIPTION
C00-6955	TEMPO AIRSCOUT 302 WI-FI TESTING KIT

RADMAN 2XT ISNRP 1998 PERSONAL ELECTRIC FIELD RADIATION MONITOR

The RadMan 2LT and RadMan 2XT radiation monitors are warning devices for the protection of people who are in work areas with increased electromagnetic radiation. Broadcast, telecommunications and radar antennas are examples of strong radio frequency radiation sources. Electromagnetic Energy/ Electromagnetic Fields (EME/EMF).

The inexpensive device is worn on the body and warns the user in good time before the permissible limit values are exceeded.

RadMan 2LT and RadMan 2XT comply with the ITU-T K.145 recommendations related to the use and characteristics of personal radiation monitors.

- Up to 8 GHz (LT) or 60 GHz (XT)
- Compliant with ITU-T Rec. K.145 and ICNIRP 2020
- Automatic sensor test
- 800 hours operating time
- Noticeable alarm: visual, audible and vibration
- E and H field monitoring
- Patented frequency response evaluation according to ICNIRP (Directive 2013/35/EU etc.), FCC, SC 6 data recorder
- Isotropic sensors with RMS and pulse detection
- Minimized influence of body shielding and reflection
- Weatherproof design (IP65)
- Calibration interval 3 years (recommended)

PART NO.	DESCRIPTION
C00-9020	RADMAN 2XT ISNRP 1998 PERSONAL ELECTRIC FIELD RADIATION MONITOR

RADMAN 2LT WARNING DEVICE FOR ELECTRIC AND MAGNETIC FIELDS

The RadMan 2LT and RadMan 2XT Radiation Monitors are warning devices for the protection of people who work in areas where increased levels of electromagnetic radiation are present. Broadcasting, telecommunications and radar antennas are sources of strong electromagnetic fields, for example. It is often not possible to completely disable the transmitting equipment, and even if it is possible a check must be made to ensure that the switch off has indeed occurred. A personal monitor provides safety in such situations. The device is worn on the body and warns its user in good time before the permitted limit values are exceeded. RadMan 2LT and RadMan 2XT comply with the recommendations of ITU-T K.145 with regard to the use and properties of RF personal monitors.

- Wide frequency monitoring up to 8 GHz (LT) or 60 GHz (XT)
- In accordance with ITU-T Rec. K.145
- Compliant with ICNIRP 2020
- Simultaneous E-field and H-field monitoring with shaped frequency response
- Automatic sensor test when switched on
- Highly visible alarm LEDs, loud buzzer plus vibration alarm
- Versions with adjustable alarm thresholds available (XT)
- 800 hours of operation on a single charge
- HF absorber minimizes the body effect
- Isotropic monitoring away from the body by simply releasing it from the holder
- Detection of short pulsed signals (XT)
- Perfect for outdoor use (IP65)
- Data logger for permanent recording
- USB-C interface for faster data transfer and battery charging

PART NO.	DESCRIPTION
C00-9021	RADMAN 2LT WARNING DEVICE FOR ELECTRIC AND MAGNETIC FIELDS

A) TRACER LITHIUM POLYMER BATTERY PACK 12V 4AH

Battery pack for use where a 12V power source is required and mains power cannot be accessed. Perfect for providing independant power source for routers at cabinet or at customer premises where no local power is available. Built in fuel gauge. Robust ABS casing and soft grip texture. Safety features include overcharge/over discharge protection and thermal protection.

B) Tracer Bullet to DC Plug 2A 2.1mm - Cable Length 0.5 Metre
Tracer Bullet to DC Plug 2A 2.1mm for use with the Tracer Lithium Polymer Battery Pack 12V 4Ah.

PART NO.	DESCRIPTION
C00-6962	A) TRACER LITHIUM POLYMER BATTERY PACK 12V 4AH
C00-6963	B) TRACER BULLET TO DC PLUG 2A 2.1MM - CABLE LENGTH 0.5 METRE

M99-2000 DKT 'COPPER SWITCH-OFF' FTTP BATTERY BACKUP UNIT

To support the 'Copper Switch-off' planned by the 31st of December 2025 the DKT, Battery Back Up Unit, offers one hour of battery backup for 3 devices in any combination of 5V, 9V or 12V and is suitable for wall installation as well as for desktop operation. During normal operation the mains adaptor will provide power for the attached devices and keep batteries at state of charge providing one hour of 30W backup. Typical application is backup for telephony service powering gateway, router and analogue telephone adaptor during a mains power outage.

Under the current plan, it's expected that traditional analogue phone services on Openreach's (BT) national copper line network will cease to exist after December 2025. The change, which has already occurred in other countries, is inevitable as networks move to an increasingly digital all-IP (Internet Protocol) and Fibre-to-the-Premises.

PART NO.	DESCRIPTION
M99-2000	DKT 'COPPER SWITCH-OFF' FTTP BATTERY BACKUP UNIT

Mills
EST. 1919

HONEYWELL BW ICON + 4 GAS DETECTOR H2S CO O2 & LEL

Honeywell BW™ Icon+ GDU delivers an icon-based experience in a serviceable package. It enables you to maximize the lifespan of your 4-gas detectors, optimise long-term cost of ownership and select from multiple gas sensors for flexible applications.

Features & Benefits:

Reliable

- 2 months of battery runtime on a 4.5-hour charge - and up to 4 months if you turn off the detector at the end of each shift. No daily charging, no unexpected downtime
- Low-power infrared LEL sensor is immune to silicone poisoning, which means accurate monitoring of combustibles
- 1 Series sensors respond to dangerous gas levels in seconds, even in harsh temperatures

Easy to use

- Small, lightweight and wearable
- One-button operation
- IntelliFlash™ green light indicates the detector is in compliance; amber light indicates the need for maintenance
- Compatible with IntelliDoX instrument management and Honeywell Safety Suite
- Compatible with TouchConnect, using Bluetooth® for wireless configuration

Quick Specs

- The latest in low power LEL infared technology, giving you a battery runtime of 2 months
- 1 Series sensor technology giving you wider temperature working conditions and a 5-year expected life
- Compatible with the IntelliDox system for fast bump testing, data downloading, configuration and calibration of device. IntelliDox is now compatible with the external filter plate
- Bluetooth as standard for connection in to the Safety Suite Device Configurator App

PART NO.	DESCRIPTION
C00-1918	HONEYWELL BW ICON + 4 GAS DETECTOR H2S CO O2 & LEL

A) BW MAINS CHARGER 240 VOLT

Mains charger for the Honeywell BW GasAlert MicroClip XT, X3 and Quattro portable multi-gas detectors.

B) BW CAR / VAN CHARGER 12 / 24 VOLT

In car charger for BW portable multi-gas detectors.

C) USB CHARGER CABLE FOR BW ICON / ICON+ GDUS

The BW USB charger cable is perfect for charging your BW Icon and Icon+ multi gas detectors on the go, reducing any downtime.

Manufacturer's Part Number: CP-USB.

D) 5 WAY CRADLE CHARGER FOR ICON & FLEX GDUS

5-way charger solution perfect for fleet management and the multi charging of BW Icon and Icon+ gas detectors ensuring your team's monitors are always fully charged.

Manufacturer's part number: CP-C01-5.

E) 5 WAY MULTI CHARGE POWER ADAPTOR FOR ICON+ GDU

Simultaneously charge up to five detectors or batteries with the multi-unit power adaptor.

Simply attach the detector or battery through the charging and IR communications port and wait for the battery icon on the LCD to show that the battery is fully charged or the LED on the battery to turn green.

Manufacturer's part number: GA-PA-1-MC5-UK.

PART NO.	DESCRIPTION
C00-4181	A) BW MAINS CHARGER 240 VOLT
S83-3478	B) BW CAR / VAN CHARGER 12 / 24 VOLT
C00-5996	C) USB CHARGER CABLE FOR BW ICON / ICON+ GDUS
C00-5992	D) 5 WAY CRADLE CHARGER FOR ICON & FLEX GDUS
C00-5995	E) 5 WAY MULTI CHARGE POWER ADAPTOR FOR ICON+ GDU

A) INTELLIDOX DOCKING STATION FOR ICON & FLEX GDUS

The IntelliDoX system combines smart docking modules and device management software to provide automated instrument management for compatible detectors, helping you drive productivity, reliability and efficiency.

Fast instrument management and enhanced productivity.

IntelliDoX is easy to install, taking under 2 minutes from setup of a five-module dock to the bump of your first instrument. Each module has its own operating system, LCD screen and internal pump allowing you to perform more than one operation at the same time. Whether you want to bump three detectors or calibrate others – you can get more done in less time.

Flexible configuration to meet changing needs. Configure the low and high alarm set points – plus other detector parameters – throughout the lifespan of the detector. So you can rely on your detector to always work the way you want it to.

B) INTELLIDOX DOCKING STATION COMPLETE KIT FOR ICON & FLEX GDUS

Complete Intellidox Docking Station Kit for Icon+ Series gas monitors comprising:

- IntelliDoX Docking Station for Icon+ Series
- IntelliDoX Enabler Kit UK
- Demand Flow Regulator REG-DF-1
- BW Calibration Gas - 58 Litre - Quad Gas - UN1956

C) INTELLIDOX ENABLER KIT UK

The DX-ENBL-UK BW IntelliDoX enabler kit includes a power supply with UK AC power cord, ethernet cable, inlet (purge) filter assembly, 3 ft. / 1 m calibration gas tubing, 3 ft. / 1 m purge gas tubing, 15 ft. / 4.5 m exhaust tubing and quick connect fittings.

*Note: One IntelliDoX enabler kit is required for each docking system. Each docking system can support up to 5 IntelliDoX modules.

PART NO.	DESCRIPTION
C00-5990	A) INTELLIDOX DOCKING STATION FOR ICON & FLEX GDUS
C00-5991	B) INTELLIDOX DOCKING STATION COMPLETE KIT FOR ICON & FLEX GDUS
C00-5974	C) INTELLIDOX ENABLER KIT UK

BW CALIBRATION GAS - 58 LITRE - QUAD GAS - UN1956

BW Analytics 58 litre Calibration Gas comprising:

- 100ppm CO, 25ppm H2S, 2.2% CH4, 18% O2, balance N
- 18% Oxygen
- 2.2% Methane(50% LEL)
- 25 ppm Hydrogen Sulphide
- 100 ppm Carbon Monoxide
- Balance Nitrogen
- UN1956

Cylinder disposal:

Contact your local Council/ Environmental Health for advice on disposal. Empty Cylinders can be returned to Mills Limited however these will still be classed as dangerous goods therefore you must inform the Courier (Shipping costs may well be prohibitive). A Bottle Striker CG-RK-1 is available which will render the cylinder safe and allow disposal in general waste/recycling.

Ref: 4Ga18X22W25H100-5

REPLACES C00-4183

PART NO.	DESCRIPTION
C00-5183	BW CALIBRATION GAS - 58 LITRE - QUAD GAS - UN1956

DEMAND FLOW REGULATOR REG-DF-1

The REG-DF-1 is a C-10 (male thread) demand flow regulator from Honeywell Analytics with a maximum output capacity of 3 litres per minute, so it can be used to calibrate up to 8 docking modules simultaneously.

* Do not connect more than 4 docking modules to a single calibration cylinder.

PART NO.	DESCRIPTION
C00-5975	DEMAND FLOW REGULATOR REG-DF-1

TEST EQUIPMENT

MILLS WATER SAMPLING KIT WITH LITMUS STRIPS

Mills Telecoms Water Sampling Kit now with litmus strips is designed to enable clear identification of polluted water.

Environment Agency Guideline PPG20 requires the sampling of water of underground structures before de-watering can take place.

PART NO.	DESCRIPTION
S83-7602	MILLS WATER SAMPLING KIT WITH LITMUS STRIPS

LITMUS PAPER TEST STRIPS WITH CONTROL CARD

Set of 80 Professional Litmus Paper 1-14 pH Test Strips with control card.

Suitable for testing the acidity / alkalinity of Water in underground chambers when used with the S83-7602 Mills Water Sampling Kit.

Also suitable for testing Cosmetics, Soil etc.
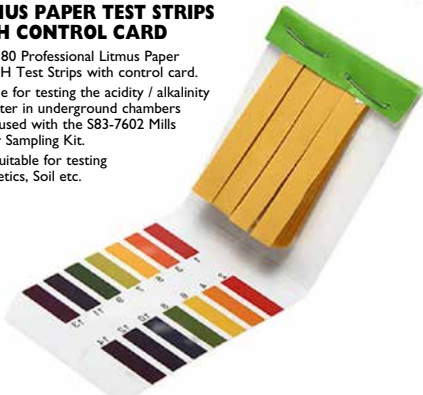
PART NO.	DESCRIPTION
S00-1883	LITMUS PAPER TEST STRIPS WITH CONTROL CARD

DIGITAL PH TESTER

For determining the acidity / alkalinity in potentially contaminated water in underground chambers.

PART NO.	DESCRIPTION
C00-1666	DIGITAL PH TESTER

WATER TEST CUP

Water Test Cup with black lanyard used for enabling clear identification of polluted water in underground chambers. Capacity: 1/2 pint.

PART NO.	DESCRIPTION
S83-1937	WATER TEST CUP

MILLS MICRODUCT PRESSURE AND INTEGRITY TEST KIT

The Mills Microduct Pressure and Integrity Test Kit is an essential piece of kit for all blown fibre installers.

The kit is optimised to suit 7mm and 8mm microduct installations and contains a blown fibre inflator with air flow gauge for measuring the microduct integrity and identification of air leaks. In addition the kit contains a 7 compartment storage with 8mm to 7mm reducers as well as a calibrator pellet and sponge catcher. The test kit is supplied with a Mills microduct cutter in an ABS storage case with foam insert.

Dimensions: 422 x 246 x 114mm.

Please note:
B) C00-6697 Blown Fibre Air Inflator and
C) S83-6189 Air Flow Gauge may also be purchased separately.

PART NO.	DESCRIPTION
C00-3851	A) MILLS MICRODUCT PRESSURE AND INTEGRITY TEST KIT
C00-6697	B) BLOWN FIBRE AIR INFLATOR
S83-6189	C) AIR FLOW GAUGE

TPI SP555 WIRELESS AIR VELOCITY VANE PROBE

The TPI SP555 Wireless Air Velocity Vane Probe is a lightweight, handheld device which can simultaneously measure both air velocity and temperature. Swiftly record minimum, maximum and average readings with multiple built-in units of measurement; m/s, km/h, ft/min, knots, mile/h. This air probe boasts a resolution of 0.1 m/s / 0.1°C, air velocity accuracy of ±(2% of mv + 59 fpm) and a range of 0.5 m/s to 25 m/s. It also features a temperature range of -20°C to 60°C and a temperature accuracy between ±0.5°C to ±1°C dependant on the temperature.

Compatible with Smartphone & FREE TPI Smart Probe App. Communicate with smartphone using Bluetooth LE and TPI App. Bluetooth connection with On/Off LED indicator. Automatically calculates and displays CFM through the TPI app. Battery powered, 30 hour life span.

PART NO.	DESCRIPTION
C70-2017	TPI SP555 WIRELESS AIR VELOCITY VANE PROBE

TPI SP565 THERMAL ANEMOMETER SMART PROBE

The TPI SP565 Thermal Anemometer measures air flow velocity from 0.2m/s to 20m/s with ±5% accuracy and 0.01m/s resolution as well as air temperature from -20°C to 60°C with accuracy of ±0.5°C and a resolution of 1°C. It measures both parameters simultaneously with a choice of units for both temperature (°C, °F) and air flow speed (m/s, km/s, ft/min, miles/hr, knots/hr).

The TPI SP565 does not have a screen but instead communicates over Bluetooth to a smartphone or tablet when the user has installed the TPI Smart Probes App.

Features:
• Air flow velocity: 0.2m/s to 20m/s
• Air temperature: -20°C to 60°C
• Multiple units for each parameter
• Bluetooth communication to smartphone
• View readings on phone with TPI app
• Numerical and graphical real time results
• Save results to CSV files for export

PART NO.	DESCRIPTION
C70-2018	TPI SP565 THERMAL ANEMOMETER SMART PROBE

MARTINDALE AV90 VANE ANEMOMETER WITH EXTERNAL PROBE

The Martindale AV90 thermo anemometer displays temperature in °C or °F, and airflow, at the same time. It has a large, external vane probe for taking measurements in awkward areas. Minimum and maximum values for flow and temperature can be shown. More accurate measurements can also be made, by taking 8 readings which are then automatically averaged. In addition, measurements can also be taken over 2 or 16 seconds, with the average of 2 or 16 readings being displayed. The anemometer will display airflow readings in metres/second, feet/minute, knots, mph or kph. Supplied with battery, instruction manual and external vane probe.

Specifications:
• Temperature measurement range -20°C to 60°C / -4°F to 140°F
• Resolution 0.1°C /°F

PART NO.	DESCRIPTION
C70-2019	MARTINDALE AV90 VANE ANEMOMETER WITH EXTERNAL PROBE

KEWTECH KEW301 DUAL CHANNEL THERMOMETER

The thermometer measures temperature levels from -200 to 1370°C (-328 to 2498°F) with a resolution of 0.1°C/°F. The thermometer includes a dual display backlit LCD screen which shows either single or dual testing results and has a tripod connector for hands-free use. Includes MAX/MIN and AVG modes + a relative function.

Features:
• Dual input channel
• Dual reading display
• PC interface
• Auto power off
• Resolution 0.1°C; 0.1°F
• Backlit LCD
• Max, Min & Ave. values
• Relative function
• Choice of T1, T2 or T1-T2 on main display
• Tripod connector on rear
• Battery included
• IEC801-2

PART NO.	DESCRIPTION
C70-2044	KEWTECH KEW301 DUAL CHANNEL THERMOMETER

KEWTECH IR1200 DUAL CHANNEL INFRARED THERMOMETER

The Kewtech IR1200 Dual-Channel Infrared Thermometer is designed for electricians and is capable of taking non-contact (IR) and contact temperature measurements. It will conduct measurements in °C as default, however a °F scale is also available.

Second channel for contact temperature measurement for use with K type connectors (thermocouple included).

Infrared temperature measurement up to 1200°C for non contact measurements

Ambient Temperature Function.

For more information please visit our website millsltd.com

PART NO.	DESCRIPTION
C70-2043	KEWTECH IR1200 DUAL CHANNEL INFRARED THERMOMETER

MARTINDALE INFRARED THERMOMETER IR88

Martindale IR88 gun type infra-red thermometer which has a laser marker to ensure accurate spot measurement.

Temperature range: -30 degrees C to 550 degrees C / -22 degrees F to 1022 degrees F.

Display resolution: 0.5/1 degrees C (Auto), 1 degrees F.

Display: 3.5 digit liquid display (LCD) with maximum reading of 1999

Low battery indication.

Auto power off 10 seconds, can be disabled.

Standy by current consumption- <5A

MAX, MIN record function

Display with back-light

Dimensions: 148mm(H) x 105mm(W) x 42mm(D)

Weight approx. 157g (including battery)

PART NO.	DESCRIPTION
C43-9891	MARTINDALE INFRARED THERMOMETER IR88

TEST EQUIPMENT

A) DELTA+ WALKIE TALKIE RADIO TWIN PACK WITH BATTERIES & CHARGERS

Twin pack professional mobile radios (PMR446) ideal for use with security, education settings, warehouse work or on building sites.

Features:

- 8 main channels
- 121 privacy codes
- IP54 rating dust & splash proof
- Up to 968 channel combinations
- Communicates with all other PMR446 radios
- VOX Voice-activated transmission
- Built-in LED flashlight
- 3.7V,1700mAh high quality Li-ion battery
- Squelch levels setting
- Keypad lock

Operating temperature: -20° to +45°.
Output power: (ERP) ≤500 mW.
Formerly C00-8329.

B) Ear piece, microphone for Delta+ PMR Radio C00-1553

PART NO.	DESCRIPTION
C00-7523	A) DELTA+ WALKIE TALKIE RADIO TWIN PACK WITH BATTERIES & CHARGERS
C00-7524	B) EAR PIECE, MICROPHONE FOR DELTA+ PMR RADIO C00-1553

MOTOROLA XT420 SERIES TWO WAY RADIO WITH CHARGER

The Motorola XT420 Series two-way radio with exceptional quality, military standard features and a durability to outlast high noise, tough conditions and hard use.

- 8 Main Channels
- + 219 private codes
- Advanced voice activation (VOX)
- Programmable buttons
- IP55 rated
- Channel announcement with voice alias
- Customer programming software
- Profiles interchangeable with older XTNi series using free software (CPS programming cable req.)
- Supplied with charger

Sold individually.

PART NO.	DESCRIPTION
C00-1553	MOTOROLA XT420 SERIES TWO WAY RADIO WITH CHARGER

FOR MORE COMMUNICATIONS EQUIPMENT PLEASE CONTACT OUR SALES TEAM WITH YOUR REQUIREMENTS
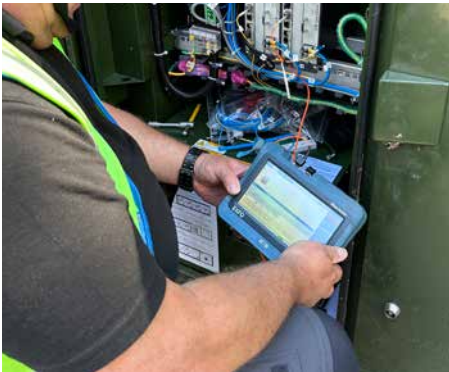
TEL: 020 8833 2626

COULDN'T FIND WHAT YOU NEED? PLEASE CONTACT OUR SALES TEAM TEL: 020 8833 2626

OR VISIT OUR WEBSITE WWW.MILLSLTD.COM

millsltd.com

STANDARD TERMS AND CONDITIONS OF BUSINESS

Mills Ltd. (the Supplier) agrees to supply goods/services to third parties (the Customer) on the following terms and conditions to the exclusion of any other terms and conditions and which may only be varied under the authority in writing of the Supplier. Read this page online at *millsltd.com/terms-conditions*

The customer's attention is drawn in particular to the provisions of clause 10.

1.   Interpretation

1.1   Definitions:

Business Day: a day (other than a Saturday, Sunday or public holiday) when banks in London are open for business.

Conditions: the terms and conditions set out in this document as amended from time to time in accordance with clause 12.5.

Contract: the contract between the Supplier and the Customer for the sale and purchase of the Goods in accordance with these Conditions.

Customer: the person or firm who purchases the Goods from the Supplier.

Data Protection Legislation: the UK Data Protection Legislation and (for so long as and to the extent that the law of the European Union has legal effect in the UK) the GDPR and any other directly applicable European Union regulation relating to privacy.

Force Majeure Event: an event or circumstance beyond a party's reasonable control.

GDPR: General Data Protection Regulation (*(EU) 2016/679*).

Goods: the goods (or any part of them) set out in the Order.

Order: the Customer's order for the Goods, as set out in the Customer's written acceptance of the Supplier's quotation.

Specification: any specification for the Goods, including any related plans and drawings, that is agreed by the Customer and the Supplier.

Supplier: Mills Limited (registered in England and Wales with company number 00282704).

UK Data Protection Legislation: any data protection legislation from time to time in force in the UK including the Data Protection Act 1998 or 2018 or any successor legislation.

1.2   Interpretation:

(a)   a reference to a statute or statutory provision is a reference to such statute or provision as amended or re-enacted. A reference to a statute or statutory provision includes any subordinate legislation made under that statute or statutory provision, as amended or re-enacted.

(b)   any phrase introduced by the terms **including**, **include**, **in particular** or any similar expression shall be construed as illustrative and shall not limit the sense of the words preceding those terms.

(c)   a reference to **writing** or **written** includes faxes and emails.

2.   Basis of contract

2.1   These Conditions apply to the Contract to the exclusion of any other terms that the Customer seeks to impose or incorporate, or which are implied by trade, custom, practice or course of dealing.

2.2   The Order constitutes an offer by the Customer to purchase the Goods in accordance with these Conditions. The Customer is responsible for ensuring that the terms of the Order and any applicable Specification submitted by the Customer are complete and accurate.

2.3   The Order shall only be deemed to be accepted when the Supplier issues a form of acknowledgement accepting the Order, at which point the Contract shall come into existence. At this time, the Customer shall also ensure it provides the Supplier with full details of the individual whom is authorised to accept service of the delivery. In the event the details of the individual changes, the Customer shall inform the Supplier immediately.

2.4   The Customer waives any right it might otherwise have to rely on any term endorsed upon, delivered with or contained in any documents of the Customer that is inconsistent with these Conditions.

2.5   Any samples, drawings, descriptive matter or advertising produced by the Supplier and any descriptions or illustrations contained in the Supplier's catalogues or brochures are produced for the sole purpose of giving an approximate idea of the Goods referred to in them. They shall not form part of the Contract nor have any contractual force.

2.6   A quotation for the Goods given by the Supplier shall not constitute an offer. A quotation shall only be valid for a period of 30 calendar days from its date of issue.

3.   Goods

3.1   The Goods are described in the Supplier's catalogue as modified by any applicable Specification.

3.2   The Customer shall indemnify the Supplier against all liabilities, costs, expenses, damages and losses (including any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and legal and other professional costs and expenses) suffered or incurred by the Supplier in connection with any claim made against the Supplier for actual or alleged infringement of a third party's intellectual property rights arising out of or in connection with the Supplier's use of the Specification. This clause 3.2 shall survive termination of the Contract.

3.3   The Supplier reserves the right to amend the Specification if required by any applicable statutory or regulatory requirements.

4.   Delivery

4.1   The Supplier shall ensure that:

(a)   each delivery of the Goods is accompanied by a delivery note that shows the date of the Order of despatch, all relevant Customer and Supplier reference numbers, the type and quantity of the Goods (including the code number of the Goods, where applicable), special storage instructions (if any) and, if the Goods are being delivered by instalments, the outstanding balance of Goods remaining to be delivered; and

(b)   if the Supplier requires the Customer to return any packaging materials to the Supplier, that fact is clearly stated on the delivery note. The Customer shall make any such packaging materials available for collection at such times as the Supplier shall reasonably request. Returns of packaging materials shall be at the Supplier's expense.

4.2   The Supplier shall deliver the Goods to the location set out in the Order or such other location as the parties may agree, including but limited to the Supplier's premises (**Delivery Location**) at any time after the Supplier notifies the Customer that the Goods are ready.

4.3   Delivery is completed on the completion of unloading of the Goods at the Delivery Location.

4.4   Any dates quoted for delivery are approximate only, and the time of delivery is not of the essence. The Supplier shall not be liable for any delay in delivery of the Goods that is caused by a Force Majeure Event or the Customer's failure to provide the Supplier with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.

4.5   If the Customer fails to accept or take delivery of the Goods within three Business Days of the Supplier notifying the Customer that the Goods are ready, then, except where such failure or delay is caused by a Force Majeure Event or the Supplier's failure to comply with its obligations under the Contract:

(a)   delivery of the Goods shall be deemed to have been completed at 5.30pm on the third Business Day after the day on which the Supplier notified the Customer that the Goods were ready; and

(b)   the Supplier shall store the Goods until delivery takes place, and charge the Customer for all related costs and expenses (including insurance).

4.6   If four Business Days after the day on which the Supplier notified the Customer that the Goods were ready for delivery the Customer has not accepted delivery of them, the Supplier may resell or otherwise dispose of part or all of the Goods.

4.7   In the event of any deliveries of any cabinets, these will be made to the curb side delivery only (from reception or loading bay only). If the Customer would like two individuals of the Supplier to assist with the delivery, this will be at the cost of the Customer, such cost to be agreed prior to delivery and determined exclusively by the Supplier.

4.8   If the Supplier delivers up to and including 5% more or less than the quantity of Goods ordered the Customer may not reject them.

4.9   The Supplier may deliver the Goods by instalments, which shall be invoiced and paid for separately. Any delay in delivery or defect in an instalment shall not entitle the Customer to cancel any other instalment.

4.10   The Supplier will not be held responsible for any loss or damage to the Goods following completion of delivery to the Customer.

4.11   Where the Supplier uses the services of third party couriers for the delivery of Goods, the Supplier will not be held responsible for any fees incurred by the Customer as a result of a failed delivery of Goods.

4.12   Where the Supplier is able to offer next working day delivery for the delivery of Goods, the Customer must order the Goods:

(a)   before 5pm where the order is placed on Monday to Thursday inclusive; or

(b)   before 4pm where the order is placed on Friday; or

(c)   before 3pm where the order relates to pallet deliveries placed from Monday to Friday inclusive.

5.   Quality

5.1   The Supplier warrants that Goods supplied will:

(a)   conform in all material respects with their description and any applicable Specification;

(b)   be free from material defects in design, material and workmanship; and

(c)   be of satisfactory quality (within the meaning of the Sale of Goods Act 1979); and

(d)   be fit for any purpose held out by the Supplier.

but no warranty is given for any particular purpose other than the purpose commonly applied or those specified by the manufacturer.

5.2   Subject to clause 5.3, if:

(a)   the Customer gives notice in writing to the Supplier during the warranty period within a reasonable time of discovery that some or all of the Goods do not comply with the warranty set out in clause 5.1;

(b)   the Supplier is given a reasonable opportunity of examining such Goods; and

(c)   the Customer (if asked to do so by the Supplier) returns such Goods to the Supplier's place of business at the Customer's cost,

the Supplier, once having had a reasonable opportunity to inspect the Goods and satisfy themselves they are defective, shall, at its option, repair or replace the defective Goods or refund the price of the defective Goods in full.

5.3   Before any goods are returned to the Supplier in accordance with clause 5.2, the Customer shall obtain a RMA number before returning the goods.

5.4   The Supplier reserves the right to refuse returns without a valid RMA number shown clearly on the exterior of the packaging. In such an event any items received will be returned to the Customer at the cost of the Customer.

5.5   The Supplier shall not be liable for the Goods' failure to comply with the warranty set out in clause 5.1 in any of the following events:

(a)   the Customer makes any further use of such Goods after giving notice in accordance with clause 5.2;

(b)   the defect arises because the Customer failed to follow the Supplier's oral or written instructions as to the storage, commissioning, installation, use and maintenance of the Goods or (if there are none) good trade practice regarding the same;

(c)   the defect arises as a result of the Supplier following any drawing, design or Specification supplied by the Customer;

(d)   the Customer alters or repairs such Goods without the written consent of the Supplier;

(e)   the defect arises as a result of fair wear and tear, wilful damage, negligence, or abnormal storage or working conditions; or

(f)   the Goods differ from their description as a result of changes made to ensure they comply with applicable statutory or regulatory requirements.

5.6   Except as provided in this clause 5, the Supplier shall have no liability to the Customer in respect of the Goods' failure to comply with the warranty set out in clause 5.1.

5.7   The terms implied by sections 13 to 15 of the Sale of Goods Act 1979 are, to the fullest extent permitted by law, excluded from the Contract.

5.8   These Conditions shall apply to any repaired or replacement Goods supplied by the Supplier.

6.   Returns

6.1   In the event the Customer needs to return the Goods because of a mistake or negligence on the part of the Customer, the Supplier reserves the right to invoice the Customer in respect of any costs or expenses, whatsoever and howsoever arising together with a handling fee of the higher of £30 or 25% of the total value of the Goods. For such returns, the customer must again request a RMA number prior to returning the Goods and the Goods must not be damaged in any way whatsoever on the sole view of the Supplier, acting reasonably.

6.2   In the event the Customer requests the collection of the Goods of a mistake or negligence on the part of the Customer, the Supplier reserves the right to invoice the customer in respect of any costs or expenses associated with the collection the higher of £15 excluding VAT or such collection fee as the Supplier deems reasonable on their sole view with regard to the collection location and logistical requirements.

6.3   The Supplier will only accept the return or refund of Goods if defective and the provisions of this clause have been satisfied:

1.1.1.   Any Goods claimed to be damaged or defective must be returned with the appropriate receipt or evidence of purchase within 3 working days of purchase.

1.1.2.   Where it is agreed between the Supplier and Customer that the Goods were defective at the point of sale following an inspection of the Goods by the Supplier, the Supplier shall have the option to repair the Goods in the first instance or shall have the option to replace the Goods. This decision is at the sole discretion of the Supplier.

1.1.3.   Where an inspection of Goods requested by the Customer reveals the Goods are in proper working order, the Supplier reserves the right to invoice the Customer £50 excluding VAT for the inspection works undertaken.

7.   Title and risk

7.1   The risk in the Goods shall pass to the Customer on completion of delivery.

7.2   Title to the Goods shall not pass to the Customer until the Supplier receives payment in full (in cash or cleared funds) for the Goods and any other goods that the Supplier has supplied to the Customer, in which case title to the Goods shall pass at the time of payment of all such sums;

7.3   Until title to the Goods has passed to the Customer, the Customer shall:

(a)   store the Goods separately from all other goods held by the Customer so that they remain readily identifiable as the Supplier's property;

(b)   not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;

(c)   maintain the Goods in satisfactory condition and keep them insured against all risks for their full price from the date of delivery;

(d)   notify the Supplier immediately if it becomes subject to any of the events listed in clause 8.1; and

(e)   give the Supplier such information relating to the Goods as the Supplier may require from time to time.

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STANDARD TERMS AND CONDITIONS OF BUSINESS - CONTINUED

7.4 Subject to clause 6.5, the Customer may resell or use the Goods in the ordinary course of its business (but not otherwise) before the Supplier receives payment for the Goods. However, if the Customer resells the Goods before that time:

(a) it does so as principal and not as the Supplier's agent; and

(b) title in the Goods shall pass from the Supplier to the Customer immediately before the time at which resale by the Customer occurs.

7.5 If before title to the Goods passes to the Customer the Customer becomes subject to any of the events listed in clause 9.1, without limiting any other right or remedy the Supplier may have:

(a) the Customer's right to resell the Goods or use them in the ordinary course of its business ceases immediately;

(b) the Supplier may at any time:

(i) require the Customer to deliver up all Goods in its possession that have not been resold, or irrevocably incorporated into another product; and

(ii) if the Customer fails to do so promptly, enter any premises of the Customer or of any third party where the Goods are stored in order to recover them.

7.6 Title to any Goods returned to the Supplier following a request for inspection by the Customer where believed the Goods be faulty will pass back to the Supplier.

7.7 The Supplier recommends that all Goods should be unpacked and inspected prior to the Customer signing the delivery note. The Customer warrants that signature of the delivery note confirms that all the Goods noted on the delivery note have been delivered and received in good working order. A signed delivery note corresponding to the Customer's delivery address completes the delivery and the risk for the Goods will pass to the Customer.

8. Price and payment

8.1 The price of the Goods shall be the price set out in the Order, or, if no price is quoted, the price set out in the Supplier's published price list in force as at the date of delivery. The Supplier may, by giving notice to the Customer at any time 3 Business Days before delivery, increase the price of the Goods to reflect any increase in the cost of the Goods that is due to:

(a) any factor beyond the Supplier's control (including foreign exchange fluctuations, increases in taxes and duties, and increases in labour, materials and other manufacturing costs);

(b) any request by the Customer to change the delivery date(s), quantities or types of Goods ordered, or the Specification; or

(c) any delay caused by any instructions of the Customer or failure of the Customer to give the Supplier adequate or accurate information or instructions.

8.2 The price of the Goods:

(a) excludes amounts in respect of value added tax (**VAT**), which the Customer shall additionally be liable to pay to the Supplier at the prevailing rate, subject to the receipt of a valid VAT invoice; and

(b) excludes the costs and charges of packaging, insurance and transport of the Goods, which shall be invoiced to the Customer.

8.3 The Supplier may invoice the Customer for the Goods on or at any time after the completion of delivery.

8.4 The Customer shall pay the invoice in full and in cleared funds within 30 days of the date of the invoice. Payment shall be made to the bank account nominated in writing by the Supplier. Time for payment is of the essence. If the Customer fails to make any payment due to the Supplier under the Contract by the due date for payment, then the Customer shall pay interest on the overdue amount at the rate of 8% per annum above Lloyds Bank base rate from time to time. Such interest shall accrue on a daily basis from the due date until actual payment of the overdue amount, whether before or after judgment. The Customer shall pay the interest together with the overdue amount.

8.5 The Customer shall pay all amounts due under the Contract in full without any set-off, counterclaim, deduction or withholding (except for any deduction or withholding required by law). The Supplier may at any time, without limiting any other rights or remedies it may have, set off any amount owing to it by the Customer against any amount payable by the Supplier to the Customer.

9. Termination

9.1 Without limiting its other rights or remedies, the Supplier may terminate this Contract with immediate effect by giving written notice to the Customer if:

(a) the Customer commits a material breach of any term of the Contract and (if such a breach is remediable) fails to remedy that breach within 5 days of that party being notified in writing to do so;

(b) the Customer takes any step or action in connection with its entering administration, provisional liquidation or any composition or arrangement with its creditors (other than in relation to a solvent restructuring), being wound up (whether voluntarily or by order of the court, unless for the purpose of a solvent restructuring), having a receiver appointed to any of its assets or ceasing to carry on business or, if the step or action is taken in another jurisdiction, in connection with any analogous procedure in the relevant jurisdiction;

(c) the Customer suspends, threatens to suspend, ceases or threatens to cease to carry on all or a substantial part of its business; or

(d) the Customer's financial position deteriorates to such an extent that in the Supplier's opinion the Customer's capability to adequately fulfil its obligations under the Contract has been placed in jeopardy.

(e) The Supplier, acting reasonably, is unable to fulfil the Order.

9.2 Without limiting its other rights or remedies, the Supplier may suspend provision of the Goods under the Contract or any other contract between the Customer and the Supplier if the Customer becomes subject to any of the events listed in clause 9.1 (a) to clause 9.1 (d), or the Supplier reasonably believes that the Customer is about to become subject to any of them, or if the Customer fails to pay any amount due under this Contract on the due date for payment.

9.3 Without limiting its other rights or remedies, the Supplier may terminate the Contract with immediate effect by giving written notice to the Customer if the Customer fails to pay any amount due under the Contract on the due date for payment.

9.4 On termination of the Contract for any reason the Customer shall immediately pay to the Supplier all of the Supplier's outstanding unpaid invoices and interest.

9.5 Termination of the Contract shall not affect any of the parties' rights and remedies that have accrued as at termination, including the right to claim damages in respect of any breach of this Contract that existed at or before the date of termination.

9.6 Any provision of the Contract that expressly or by implication is intended to come into or continue in force on or after termination shall remain in full force and effect.

10. Limitation of liability

10.1 Nothing in these Conditions shall limit or exclude the Supplier's liability for:

(a) death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors (as applicable);

(b) fraud or fraudulent misrepresentation;

(c) breach of the terms implied by section 12 of the Sale of Goods Act 1979; [or]

(d) defective products under the Consumer Protection Act 1987[; or]

(e) any matter in respect of which it would be unlawful for the Supplier to exclude or restrict liability.

10.2 Subject to clause 9.1:

(a) the Supplier shall under no circumstances whatsoever be liable to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, or any indirect or consequential loss arising under or in connection with the Contract; and

(b) the Supplier's total liability to the Customer in respect of all other, save for matters arising from environmental matters where the Customer accepts liability, losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed the price of the Goods.

10.3 Customers have a duty to use/operate all Goods supplied in accordance with manufacturers instructions

for safe use and to ensure that such instructions are made readily available prior to the use of the Good by any individual.

11. Force majeure

Neither party shall be in breach of this Contract nor liable for delay in performing, or failure to perform, any of its obligations under this Contract if such delay or failure result from a Force Majeure Event. If the period of delay or non-performance continues for 4 weeks, the party not affected may terminate this Contract by giving 2 weeks written notice to the affected party.

12. General

12.1 Assignment and other dealings.

(a) The Supplier may at any time assign, transfer, mortgage, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract.

(b) The Customer may not assign, transfer, mortgage, charge, subcontract, declare a trust over or deal in any other manner with any or all of its rights or obligations under the Contract without the prior written consent of the Supplier.

12.2 Confidentiality.

(a) Each party undertakes that it shall not at any time disclose to any person any confidential information concerning the business, affairs, customers, clients or suppliers of the other party or of any member of the group to which the other party belongs, except as permitted by clause 12.2 (b). For the purposes of this clause, **group** means, in relation to a party, that party, any subsidiary or holding company from time to time of that party, and any subsidiary from time to time of a holding company of that party.

(b) Each party may disclose the other party's confidential information:

(i) to its employees, officers, representatives or advisers who need to know such information for the purposes of exercising the party's rights or carrying out its obligations under or in connection with this agreement. Each party shall ensure that its employees, officers, representatives or advisers to whom it discloses the other party's confidential information comply with this clause 12.2; and

(ii) as may be required by law, a court of competent jurisdiction or any governmental or regulatory authority.

(c) No party shall use any other party's confidential information for any purpose other than to exercise its rights and perform its obligations under or in connection with this agreement.

12.3 Trademark: The Customer shall not tamper with, alter the face or remove any of the names, logos or marks affixed to or marked on the goods or allow anyone else to do so. All Trademarks are acknowledged and belong to the Seller.

12.4 Entire agreement.

(a) This Contract constitutes the entire agreement between the parties and supersedes and extinguishes all previous agreements, promises, assurances, warranties, representations and understandings between them, whether written or oral, relating to its subject matter.

(b) Each party agrees that it shall have no remedies in respect of any statement, representation, assurance or warranty (whether made innocently or negligently) that is not set out in this agreement. Each party agrees that it shall have no claim for innocent or negligent misrepresentation or negligent misstatement based on any statement in this agreement.

12.5 Mills Limited web account Customers will receive a password and account number upon completion of the registration process. All such information provided is confidential to the Customer and must not be shared with anyone whom is not the Customer or the Supplier. The Customer agrees to indemnify the Supplier of any unauthorised use of the password or account number and any other breach of security.

12.6 The Customer shall also ensure they sign out of their Mills Limited web account after every session and agrees to indemnify the Supplier of any unauthorised use of the password or account number and any other breach of security.

12.7 Variation. No variation of this Contract shall be effective unless it is in writing and signed by the parties (or their authorised representatives).

12.8 Waiver. No failure or delay by a party to exercise any right or remedy provided under the Contract or by law shall constitute a waiver of that or any other right or remedy, nor shall it prevent or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall prevent or restrict the further exercise of that or any other right or remedy.

12.9 Severance. If any provision or part-provision of the Contract is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of the Contract.

12.10 Notices.

(a) Any notice or other communication given to a party under or in connection with the Contract shall be in writing, addressed to that party at its registered office (if it is a company) or its principal place of business (in any other case) or such other address as that party may have specified to the other party in writing in accordance with this clause, and shall be delivered personally, sent by pre-paid first class post or other next working day delivery service, commercial courier, or fax.

(b) A notice or other communication shall be deemed to have been received: if delivered personally, when left at the address referred to in clause 12.7 (a)); if sent by pre-paid first class post or other next working day delivery service, at 9.00 am on the second Business Day after posting; if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed; or, if sent by fax, one Business Day after transmission.

(c) The provisions of this clause shall not apply to the service of any proceedings or other documents in any legal action.

12.11 Third party rights. No one other than a party to this Contract shall have any right to enforce any of its terms.

12.12 Governing law. The Contract, and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation, shall be governed by and construed in accordance with the law of England and Wales.

12.13 Jurisdiction. Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with this Contract or its subject matter or formation.

13. Data protection and data processing

13.1 Both parties will comply with all applicable requirements of the Data Protection Legislation. This clause 13 is in addition to, and does not relieve, remove or replace, a party's obligations under the Data Protection Legislation. In this clause13, **Applicable Laws** means (for so long as and to the extent that they apply to the Supplier) the law of the European Union, the law of any member state of the European Union and/or Domestic UK Law; and **Domestic UK Law** means the UK Data Protection Legislation and any other law that applies in the UK.

13.2 The parties acknowledge that for the purposes of the Data Protection Legislation, the Customer is the data controller and the Supplier is the data processor (where Data Controller and Data Processor have the meanings as defined in the Data Protection Legislation).

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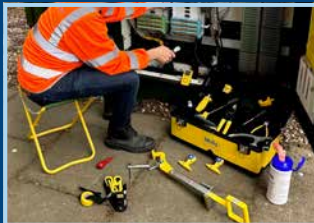**EST. 1918**

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