



CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS
FEEDER PILLARS, FUSE LINKS, ARC FLASH, CABLE ROLLERS, CUT-OUTS

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FURSE EARTHING

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Electrical Installation Tools and Accessories

As well as HellermannTyton supplying core products to the electrical industry, we also have available a range of indispensable products and accessories used from day to day in electrical distribution.



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In 2006, the Super Rod range was voted 'The Best Product of the Last Fifty Years' by professional trades people and engineers that have experienced the benefit of these tools.

In 2008, the product range was recognised as truly innovative and was awarded the prestigious Queen's Award for Innovation - the highest calibre of business award obtainable in the UK.

The real innovation behind Super Rod products is that they don't just route cable, these are multi – purpose tools that allow installers to inspect, illuminate and retrieve with a range of unique time saving attachments.

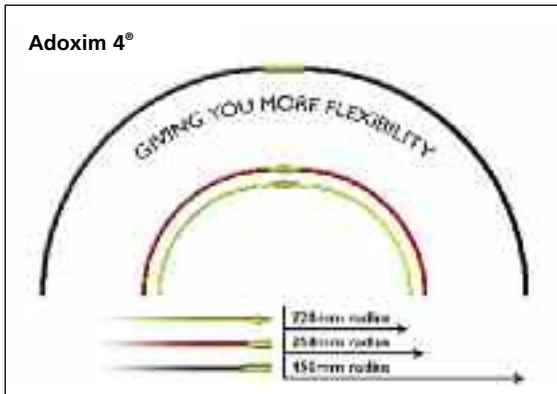
In 2007 alone, the Cable Rod system saved a massive 9 million hours to the electrical industry, worth in the region of £250,000,000. Surveys have proven that the payback time for investing in a Cable Rod set is very often after just one job, reinforcing the fact that anyone who uses cable, should be using Cable Rod!

- 9 million hours saved to industry in 2007 alone
- Minimise disruption to the worksite and use less materials
- Increase safety - reduce ladder work
- Voted the 'Best Product in the Last 50 Years' by Installers



SUPER ROD = TOTAL QUALITY

Producing quality products is of paramount importance to us at Super Rod. We work hard to constantly improve our existing products as well as developing our customer's needs and ideas into real solutions.



Adoxim 4° is a special formula developed by Super Rod specifically for professional trade use. As well as vastly improving handling, Adoxim 4° has both extra stiffness AND extra flexibility.

In practice this means you can push a 'rod-train' further without it snaking AND you can bend it more without it breaking.

Strong metal end fittings have a simple friction-lock action to keep rods more securely joined, and a smooth shaped finish that reduces snagging.

These fittings, our bonding methods and new Adoxim 4° means Cable Rod is now even better.

Raw material quality	Super Rod sources the raw materials for its products from long established supply partners who work to agreed quality systems.
Health and Safety	The Super Rod system significantly reduces the need for the installer to leave the ground, helping the industry to reduce its accident record.
Insight into the elements that make up Cable Rod	<p>Using the right rod for the job is essential for rapid and easy installations and a key factor in this, is choice of flexibility. Our principle rods are made in three flexes because a rod that will go around pronounced bends won't be rigid enough to span a large void or to push through obstructed routes.</p> <p>To improve handling and life expectancy, and to remove splinter and irritation problems our Principle Rods are made from unique, wear-resistant Adoxim 4°. Its inherent good natured qualities mean we avoid the bulky coatings used to cover up low grade rods.</p>
Environmental	Refurbishments account for approximately 70% of UK construction in our sector, this can be handled in two ways; firstly with consideration, respecting the existing structure, utilizing its framework and building the new development. The second, is destruction of what is already in place. Super Rod support the former, our tools are designed to negotiate the most challenging environments causing the least amount of disturbance to the original construction.
Tensile Strength	To complement our raw materials, we have made significant improvements to the construction of the Cable Rod range. We can now achieve a minimum Tensile Strength of 200kg/2000N and through our regular testing we know we consistently exceed this.
ISO 9001:2000	Super Rod is an ISO 9001 accredited Company. We endeavour to achieve and maintain a high standard of quality in all aspects of our operations and to continually satisfy the expectations of our customers. All work is conducted to a high professional standard with technical and commercial integrity.
Bespoke Kits	When we talk about flexibility, we do not just refer to the physical attributes of our rods, we also offer customised kits to suit your particular needs. Should you not find the combination of products in our standard range, please call the Super Rod sales team who will be happy to make an individual set configuration, to meet your exact requirements.

Cable Rod • Rod Sets

Mega Set - CRMX

The Mega Set is without doubt the most comprehensive cable routing kit available on the market. 16 metres of overall rod length including all flexibilities and essential items from the Super-Flex and specialised rod ranges; this means very few places are inaccessible. The Mega Set enables examination, planning, preparation and installation of the fastest and most economical route - requiring less drilling, fixing and making good.

LENGTH: 16 Metres

APPLICATION: Route - Retrieve - Illuminate - 5 Flexibilities - Grip

Mega Set	
Product	Reference
Mega Set	CRMX

**The Deluxe Set - CRSD**

The Deluxe set is a comprehensive selection of rods and attachments that can tackle some of the most difficult tasks you will encounter. A choice of 4 different flexibilities, 10 metres of rod, 7 cable handling attachments and the Super Beam boosts the usefulness of this set into orbit.

LENGTH: 10 Metres

APPLICATION: Route - Retrieve - Illuminate - 4 Flexibilities

Deluxe Set	
Product	Reference
Deluxe Set	CRSD

**The Super Six Set - CRS6**

The Super Six is the intermediate set in the Cable Rod System, offering 4 variants of flexibility, over 6 metres of rods, plus a range of attachments that enable the installer to push, pull and retrieve cables in many situations.

LENGTH: 6 Metres

APPLICATION: Route - Retrieve - Illuminate - 3 Flexibilities

Super Six Set	
Product	Reference
Super Six Set	CRS6



The Standard Set - CRSS

The Standard Set is the ideal starter set offering 3 variants of flexibility, over 5 metres of rods, plus a range of attachments that enable installers to push, pull and retrieve cables in many situations.

LENGTH: 5 Metres

APPLICATION: Route - 3 Flexibilities

Standard Set	
Product	Reference
Standard Set	CRSS



The Handy Set & Tool Box Set

Designed to be used in small cramped areas, the 500mm and 330mm rods provide four degrees of flexibility for any cable installation job where the larger range of Cable Rods may not be practical.

Handy Set - 500mm rods, Toolbox Set - 330mm rods.

Handy Set is the set shown.

LENGTH: 16 Metres

APPLICATION: Route - Retrieve - Illuminate - 5 Flexibilities - Grip

Handy Set & Tool Box Set	
Product	Reference
Handy Set	CRHS
Tool Box Set	CRTB






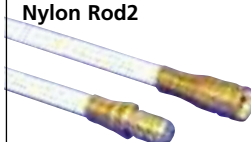
Cable Rod Kit Selection Chart

ROD CONTENTS		1000mm				500mm			300mm				1000mm		
		4mm YELLOW	5mm RED	6mm BLACK	5mm NYLON	4mm YELLOW	5mm RED	6mm BLACK	4mm YELLOW	5mm RED	6mm BLACK	5mm NYLON	5mm GLO SWIVEL	4mm SWIVEL ROD	5mm SWIVEL ROD
MEGA SET	CRMX	***	*****	***	*								•	•	•
DELUXE SET	CRSD	**	*****	**											
SUPER SIX	CRS6	**	***	*											
STANDARD SET	CRSS	*	****												
TOOL BOX SET	CRTB								•	**	•	•			
HANDY SET	CRHS					•	**	•				•			

ATTACHMENT CONTENTS		FLEX LEAD	DOMED BULLET	FLAT BULLET	MINI EYE	MINI HOOK	TUFF HOOK	SINGLE MAGNET	DOUBLE MAGNET	GENDER CHANGER	SUPER BEAM	CHAIN	6-10 GRIP	11-13 GRIP	SHAPE-IT FLEX LEAD
MEGA SET	CRMX	•	•	•	•		•		•	•	•	•	•	•	•
DELUXE SET	CRSD	•	•	•	•		•	•		•	•				
SUPER SIX	CRS6	•	•	•	•		•	•		•					
STANDARD SET	CRSS	•	•		•		•			•					
TOOL BOX SET	CRTB		•		•	•									
HANDY SET	CRHS		•		•	•									



Rod Pairs

Using the right rod for the job is essential for rapid and easy installations and a key factor is choice of flexibility. The various choices of rod pairs allow you freedom to extend the functionality of your Cable Rod system.

Principle Rod Pairs		
Product	Description	Reference
4mm Yellow Rods 	Pack of 2 x 1m replacement 4mm Yellow Rods. The 4mm Floppy Rod really comes into its own when you are working in a restricted space such as in corners and close to floors and ceilings, giving you additional flexibility.	CRFF
5mm Red Rods 	Pack of 2 x 1m replacement 5mm Red Rods. Red rods have enough flexibility to cope with smooth sweeping bends, but are rigid enough to span open areas and is strong enough to push through many obstructions.	CRSR
6mm Black Rods 	Pack of 2 x 1m replacement 6mm Black Rods. The tough 6mm Stiffy Rod swaps flexibility or rigidity and for strength. Good for bullying its way through insulation, debris and using when navigating your way across wider areas like ceilings etc.	CRST
Nylon Rod2 	Pack of 2 x 1m Nylon rods. These rods are so flexible you can tie them into knots - but are made from a 'no memory' material so they will straighten without bends or kinks. It's your own mini fish tape, without the hassle of trying to manage a full 10m unit.	CRNR

Speciality Rod Pairs

The speciality range of rod pairs each have unique capabilities to overcome specific routing problems encountered in day to day installations.

Speciality Rod Pairs		
Product	Description	Reference
Glo Swivel Rod 	1m of fluorescent rod, with swivel attachment. Working in dark voids and keeping sight of your rod end can be difficult. The fluorescent Glo-Rod is the simple but very effective solution, and has the additional feature of the Swivel End.	GLSE
Swivel End Rod Pair 	Pack of 2 Swivel Rods, 1 x 1m Red (5mm), 1 x 1m Yellow (4mm). The Swivel-End removes the hassle and frustration when cable or flexible conduit keeps twisting as it tries to re-coil - tying itself in knots, twisting out of your hand or trying to unscrew the rods. Again a must have rod when working over longer distances.	SWRP-5/4

Super Grips

These attachments provide a quick and secure method of attaching cables to your rods. The grips come in 5 sizes covering cable diameters from 4mm to 30mm.

Super Grips	
Product	Reference
Single Packs	
4mm - 6mm	CRSK 04-06
6mm - 10mm	CRSK 06-10
11mm - 15mm	CRSK 11-15
16mm - 22mm	CRSK 16-22
22mm - 30mm	CRSK 23-30
Multi Packs	
4mm - 15mm Triple Pack	CRSK 04-15
6mm - 15mm Double Pack	CRSK 06-15
16mm - 30mm Double Pack	CRSK 16-30
4mm - 30mm 5 Pack	CRSK 04-30



SOCK	GENERAL INDUSTRY	TYPICAL CABLES
4-6mm OD	Data - Comm's	Data / telephone cable / 7 core speaker cable / alarm cable
6-10mm OD	Domestic	1.5mm / 2.5mm twin & earth 10mm / 16mm earth wire / coaxial
11-15mm OD	Heavy domestic	6mm twin and earth Showers and cookers
16-24mm OD	Commercial	Armoured
25-30mm OD	Industrial	Large armoured

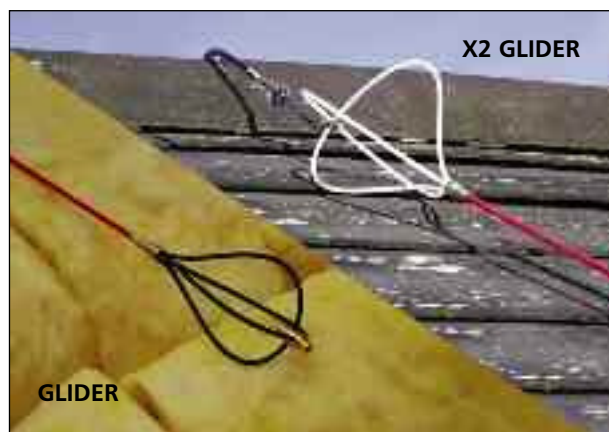
The Glider

Skips over all sorts of obstructions and is particularly successful routing cable over ceiling insulation and joists. The Glider is cleverly designed to take other attachments for super-efficiency; for example screw a Super Grip inside the Glider and attach cable or pipe, then screw the SuperCam or SuperBeam to the front of the Glider.

Glider X2

Super Rod have developed a solution for installing aerial cables, saving time and reducing ladder work. The X2 has been designed to traverse the more uneven surface eg roof ridge tiles etc.

Glider	
Product	Reference
GLIDER	SRGLIDER
X2 Glider	SRGLIDER X2






Super Beam

Self contained LED torch, to fix onto any of your Cable Rods. Spare Batteries for your Super Beam are available.

Super Beam	
Product	Reference
Super Beam	CRSB
Replacement Battery	CRRB



Cable Rods Attachments		
Product	Description	Reference
Accessory Tube 	Spares Pack, containing: 1 x Flat Bullet 1 x Gender Changer 1 x Single Magnet 1 x Mini Eye and Ring 1 x Flexi Lead 1 x Mini Hook 1 x Chain	CRAT
Chain and Magnet 	1 x Chain, plus one Single Magnet 	CRM
Basic Spares Kit 	Basic spares pack, containing: 1 x Domed Bullet 1 x Flat Bullet 1 x Gender Changer 1 x Mini Eye and Ring 1 x Tuff Hook	CRMP5
Magnificent 7 	Spares pack, containing: 1 x Domed Bullet 1 x Flat Bullet 1 x Gender Changer 1 x Mini Eye and Ring 1 x Tuff Hook 1 x Mini Hook 1 x Single Magnet	CRMP7

Cable Rod Attachments		
Product	Description	Reference
Magcom Tracer 	<p>Screw a Double Magnet onto a rod and feed it roughly into position. Sweep the area with the compass and the needle will reverse when it passes the magnet.</p> <p>The Mag-com Tracer is sensitive to approximately 60mm depending on the material it has to sense through.</p>	CRMC
Head Torch 	<p>Essential for hands-free working in poor light. The Head Torch is lightweight, compact, comfortable and has 5 ultra-bright white LED bulbs.</p>	SRHT
Flexi Kit 	<p>Pack of 1 x 330mm Nylon Rod, plus 2 x 300mm Black Flexi Leads.</p> <p>The Black Flexi Leads could be tied in a knot – but they keep their shape, so you can pre-bend them (again and again and again) to get an end attachment into really fiddly, horrible little places or when two holes do not line up.</p> <p>The nylon leader is made from flexible 'spring back' material and will help a single rod or a rod train navigate around tight corners.</p>	CRFKL
The Claw 	<p>A double headed attachment to enable the use of two tools. Comes complete with a male Gender Changer.</p>	SRCLAW
Brush Pair 	<p>Clear away debris and blockages in conduit, drain pipes and even flues. Brush sizes :</p> <p>1 x 25mm diameter 0.35 filament 1 x 50mm diameter 0.90 filament</p>	CRBR25-50



Goose Neck

Developed again in conjunction with a local installer, stuck when trying to install a flat screen TV for a client., faced with the challenge of routing the main cable through a maze of beams, and other obstacles. We have 3 useful lengths, all compatible with the Cable Rod range, for those "impossible" tasks.

Goose Neck	
Product	Reference
Gooseneck	SRG3



Flexi Super Beam

The Super Flexi Beam combines the Gooseneck with the Super Beam, allowing you to direct light where you really need it. Used on its own or with Cable Rod, the Super Flexi Beam is a must have addition to any Electricians tool bag. Perfect for inspecting confined spaces, under floors, cavity walls etc.

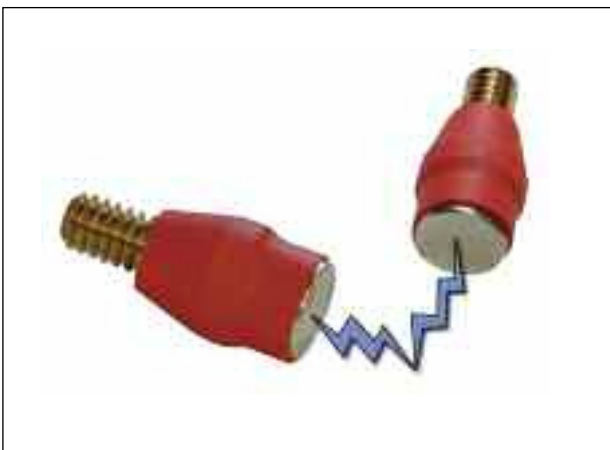
Flexi Super Beam	
Product	Reference
Flexi Super Beam	SRFSB



Super Flexi Magnet

Utilising the benefits of the Goose Neck Kit, we have now combined a 200mm length, with the Double Magnet, giving you flexibility whilst retrieving objects up to 2.5kg.

Super Flexi Magnet	
Product	Reference
Super Flexi Magnet	SFDM



Double Magnet Kit

Two incredibly powerful magnets, capable of lifting 2.5kg's each. Make a rod connection in a ceiling void or under floors by attaching the magnets onto separate rods. Simple, yet strong magnetism will allow you to effectively locate the other magnet and then pull or push your rod into place.

Magnet Kit	
Product	Reference
Double Magnet Kit	CRDMK

Considerations when choosing coiled products

When routing inside conduit you need flexibility – lots of it, yet at the same time some rigidity is important in order to overcome the friction caused by elbows and other cables. Installers frequently encounter ‘snaking’ problems when attempting to route cable at length. Our comprehensive range of coiled products start from 10 metres and go up to 300 metres with a varying range of diameters giving you the control you need to get the job done.

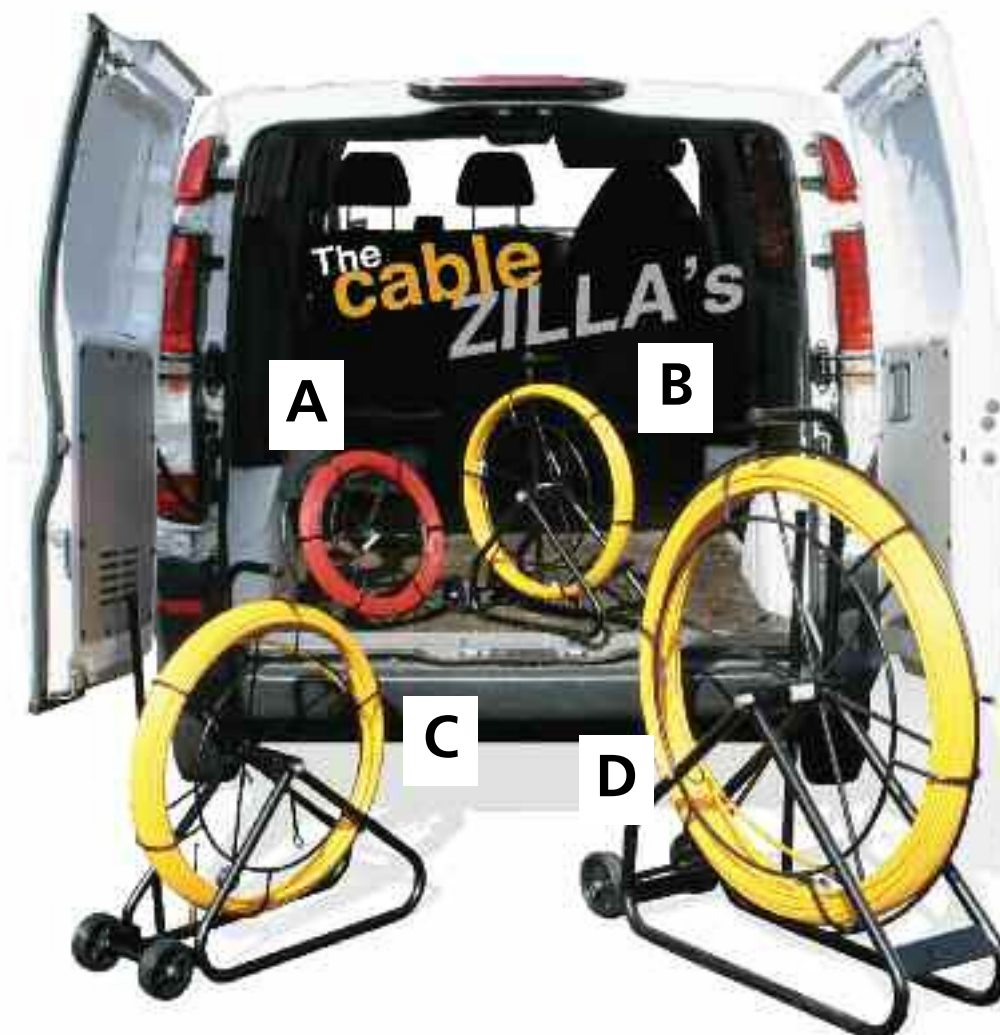
The choice and size of material will dictate this delicate balance. For instance nylon ‘fish tape’ is the traditional installer’s aid with the advantage of its low cost, but it suffers from a tendency to tie itself into knots, and it can be too flexible. On the other hand GRP (fibreglass) with a polypropylene coating is regarded as a near perfect material because it offers a very high flex/strength ratio, and when uncoiled there is no tendency to ‘recoil’ or kink – it is however more expensive and delicate!

























Another thing to consider is the ease of handling. Good coiled products will come in a housing or case. This not only protects the material it also improves the convenience and speed of use.






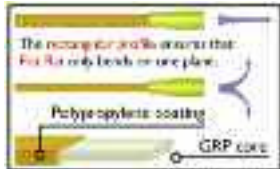


Cable Rod Coiled Products

These products are often referred to as either Duct Rods or Cobras and are used in a wide range of environments traditionally in larger industrial installations. We recognise that this style of product can be adapted to suit not just the large industrial installation, but can now span across domestic, residential, commercial as well as industrial.

Hence the Cable Zilla range has evolved, using improved materials, a stronger frame design and now includes some really useful attachments, no doubt more will follow, but here is what we have today . . .



Coiled Products					
Product	Description	Reference			
A 	50 Metre length and 6mm diameter. Attachments: 1 x Guide Wheel, 1 x Flexi Lead, 1x Mini Eye Frame size: Horizontal - 450mm <table border="1"> <tr> <td>6mm diameter - 50M length</td><td>Core: Steel</td><td></td></tr> </table>	6mm diameter - 50M length	Core: Steel		CZLA 50x6-S
6mm diameter - 50M length	Core: Steel				
B 	50 Metre length and 6mm diameter. Attachments: 1 x Guide Wheel, 1 x Flexi Lead, 1x Mini Eye Frame size: Vertical - 550mm <table border="1"> <tr> <td>6mm diameter - 50M length</td><td>Core: GRP</td><td></td></tr> </table>	6mm diameter - 50M length	Core: GRP		CZLA 50X6
6mm diameter - 50M length	Core: GRP				
C 	50 Metre length and 9mm diameter. Attachments include: 1 x Guide Wheel and 1 x Flexi Lead Frame size: Vertical - 700mm <table border="1"> <tr> <td>6mm diameter - 50M length</td><td>Core: GRP</td><td></td></tr> </table>	6mm diameter - 50M length	Core: GRP		CZLA 50X9
6mm diameter - 50M length	Core: GRP				
D 	100 Metre length and 9mm diameter. Attachments include: 1 x Guide Wheel and 1 x Flexi Lead Frame size: Vertical - 1000mm <table border="1"> <tr> <td>9mm diameter - 100M length</td><td>Core: GRP</td><td></td></tr> </table>	9mm diameter - 100M length	Core: GRP		CZLA 100X9
9mm diameter - 100M length	Core: GRP				
D 	150 Metre length and 9mm diameter. Attachments include: 1 x Guide Wheel and 1 x Flexi Lead Frame size: Vertical - 1000mm <table border="1"> <tr> <td>9mm diameter - 150M length</td><td>Core: GRP</td><td></td></tr> </table>	9mm diameter - 150M length	Core: GRP		CZLA 150X9
9mm diameter - 150M length	Core: GRP				
D 	150 Metre length and 11mm diameter. Attachments include: 1 x Guide Wheel and 1 x Flexi Lead Frame size: Vertical - 1000mm <table border="1"> <tr> <td>11mm diameter - 150M length</td><td>Core: GRP</td><td></td></tr> </table>	11mm diameter - 150M length	Core: GRP		CZLA 150X11
11mm diameter - 150M length	Core: GRP				

Coiled Products		
Product	Description	Reference
Cable Rat 	<p>The quick solution to a lengthy problem - draw cables through all manner of curves and bends! The Cable Rat is a quality fish tape for the professional installer. Cable Rat is constructed of the finest quality GRP coated in a smooth polypropylene. Light, portable and extremely strong.</p> <p>Available in lengths of 20 and 30 metres.</p> <p>Cable Rat 20m Cable Rat 30m</p> 	RAT20G RAT30G
Black Mamba 	<p>A 10 metre alternative to fish tape, but much easier to handle. The Black Mamba is made of HDSM2® which has low surface friction and less tendency to recoil.</p>	SRMAMBA
Flat Rat 	<p>10 metre rectangular GRP Flat Rat in a handy plastic dispenser. Complete with Flexi Lead, Domed Bullet and Mini Eye.</p> <p>Maintains strength when being pushed but flexible enough to go around tight conduit bends, the rectangular design keeps the Flat Rat moving forwards - avoiding the problem of coiling that round products can have.</p>  	FRT10
NEW Medusa Mamba 	<p>20 metres of Black Mamba material with the added benefit of a specially adapted claw and 6-10mm pulling sock. This allows you to make the Medusa Mamba into a continuous loop to install multiple cables.</p> 	CRMM

New Blitz Coiled Installation Tool

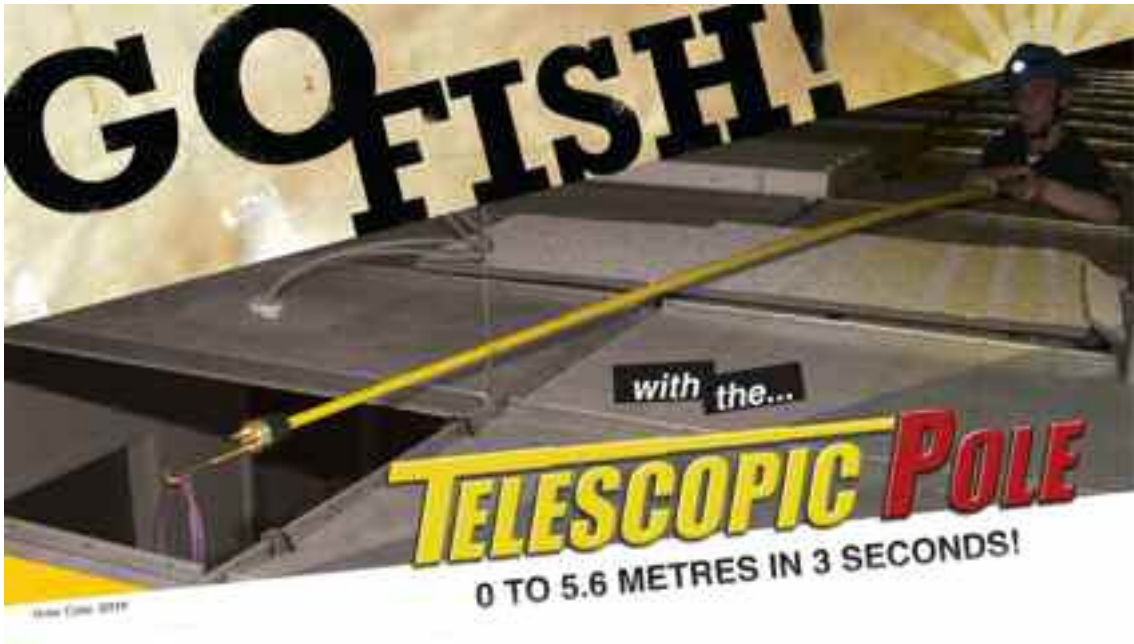
The Blitz is a professional solution for cable installation, manufactured from 3mm diameter Fibreglass rod encompassed in a robust Polycarbonate case with the facility to fully unwind & rewind the coil quickly and easily.

Features

- Fast easy cable installation
- Dynamic case allows easy feed out and rewind over longer distances
- No tangles due to its high quality rewinding mechanism
- Cover multiple bends in conduits
- Non-conductive

Cable Rod		
Reference	Description	Qty
BLITZ20	20m Blitz Cable Dispenser	1
BLITZ30	30m Blitz Cable Dispenser	1





Telescopic Pole

Telescopic extendable poles with a polyester resin baked enamel coating for durability. The Telescopic Pole is 5.6 metres in length when fully extended. Ideal for quick cable routing.

The Telescopic Pole adds another way to route cable and one that will be appreciated by electricians involved with larger size projects. The Telescopic Pole is considerably more rigid than rod or coiled based products, giving the installer far more control and greater accuracy over longer reaches.

Telescopic Pole	
Product	Reference
Telescopic Pole	SR-TC

Telescopic Pole with R2 Testing Lead



Telescopic Pole	
Product	Reference
Telescopic Pole & Lead	SR-TP R2
R2 Testing Lead Only	SR-R2



SuperCam V5 - SRCAM

The SuperCam is an Infra Red Camera that will attach to the Cable Rod system.



Kit contents:



SuperCam V5

The SuperCam V5 is a camera inspection system designed to work alongside the Cable Rod system. Suitable for use in a variety of everyday situations; the camera is the ideal tool for real time inspection. The Tradesman's 'third eye' allows you to remotely view inaccessible areas with minimal disruption to the worksite.

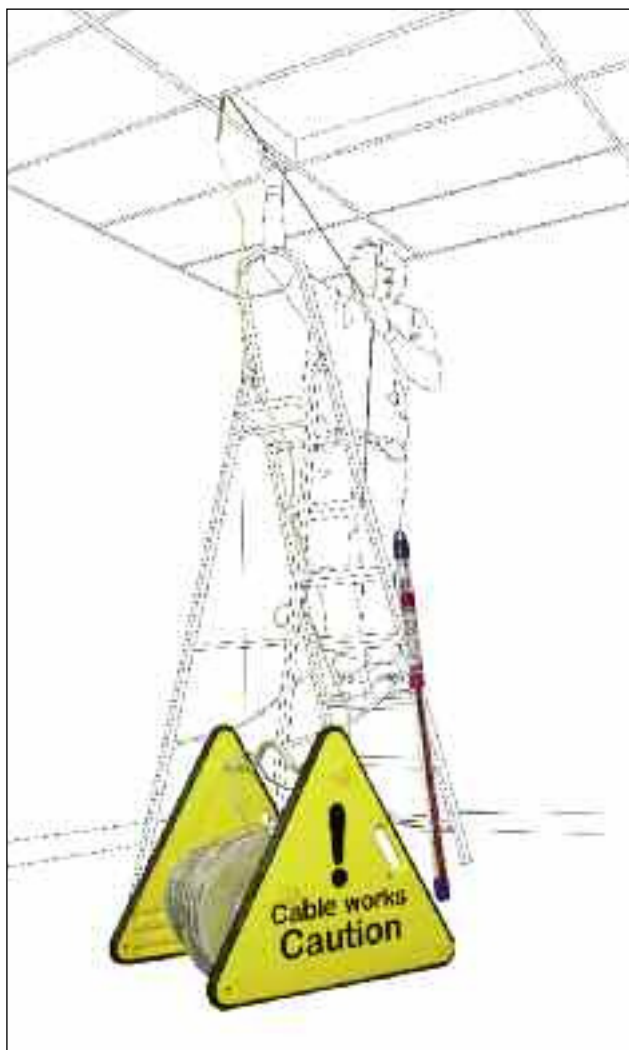
Using the SuperCam allows you to inspect:

- Cavity Walls
- Underfloors
- Over Ceilings
- Blockages in Ducting
- Cable Routes
- Snags in Plasterboard
- Cable Faults



Super Cam V5	
Product	Reference
Super Cam V5-IR	SRCAM-V5
Replacement Batteries	SRCAMRB





Kablemate

Designed by busy installers, the Kablemate Maxum is portable and can take up to 10 drums of cable. It has proved to save hours of frustration and fewer accidents by ensuring no trailing cable, easy spooling and no snagging.

Cable Rod and the Kablemate Maxum work perfectly together, the rods and attachments allow you to route the cable whilst being backed up by the Maxum's sturdiness, stability and low friction cable disbursement.



Couple with this, the obvious Health and Safety advantages (how many times have you fallen over reels of cable?).

The synergy between these two products makes perfect sense.

Imagine the scenario – you need to install cable and lots of it – you have a small enclosed space to work in and some difficult to access areas in which to route. This is the natural domain for Cable Rod and Kablemate Maxum.

Kablemate Maxum	
Product	Reference
Kablemate	KMATE



	
Supplied free with all Maxums is a handy 5 metre special Black Mamba fish tape.	When not in use, the Maxum packs away into its own sturdy carry bag.

Rack-A-Tiers® - The Dependable Multi-Purpose Premium Wire Dispensing Tool

With RACK-A-TIERS you'll experience unmatched versatility!

- Ease of transport and storage
- Lightweight
- Durable one piece construction
- Waterproof, easy-clean
- Won't rust or rot
- Won't mark surfaces
- Made of recycled material
- Made in Canada

The ONE TOOL that does it all!

- Wire dispenser
- Pipe vise
- Saw horse
- Work bench
- Wall shelf
- Table



Cable Pulling Stands

- Unmatched ease & speed of set up
- Excellent versatility of use
- Accommodates wide range in cable sizes
- Loads of up to 150Kg (330lbs)
- Has 5* 1 1/4" (44.5mm) holes, 3* carry handles, & 2* V notches to hold larger cable bars
- Easy to store & transport
- Contractor to supply the conduit/bars for the mounting on the Rack-A Tier



Rack-A-Tiers		
Description	Order Code	Quantity
Rack-A-Tier	RT1	1

Cable Pulling Lubricants

Yellow 77® Wire Pulling Lubricant

- Wax based formula provides superior lubricity
- Safe to use with most cable types except low-density polyethylene and semi-conducting jackets
- Won't break down or separate after repeated exposure to freezing temperatures
- Dries to a thin, non-conductive film that won't clog conduit
- Clings to cable throughout long pulls
- Easy to apply by hand or with pump
- Creamy texture applies easily and uniformly
- Homogeneous blend requires no mixing
- Won't dry out - surface coat forms to control evaporation
- Environmentally safe - non-toxic, non-flammable and non-corrosive



Yellow 77® Wire Pulling Lubricant		
Description	Order Code	Quantity
1 Qt. Squeeze Bottle	31-358	1

Aqua-Gel® II Cable Pulling Lubricant

- Polymer-based formula provides maximum tension reduction in high-stress electrical and communications cable-pulling operations
- Compatible with all cable types
- Cleans up easily with soap and water
- Remains stable over wide temperature range - usable from 28°F to 180°F (-2°C to 82°C)
- Dries to a semi-fluid film that won't clog conduit
- Clings to cable throughout long pulls
- Easy to apply by hand, brush or pump
- Environmentally safe - non-toxic, non-flammable and non-corrosive



Aqua-Gel® II Cable Pulling Lubricant		
Description	Order Code	Quantity
1 Qt. Squeeze Bottle	31-378	1

Starrett

HellermannTyton, aware of the needs of the professional user, presents a range of Starrett hole saws. Starrett bi-metal hole saws are constructed of hardened, heat and abrasion resisting high-speed steel teeth with a tough alloy body and cap in high visibility yellow. This gives them exceptional strength, durability and shatter resistance for user safety. They will cut any wood, metal or plastic in either a handheld drill or drill press. These can be used in a wide variety of applications from production and maintenance to the electrical and building trades.

Starrett Hole Saws			
Boxed Reference	Saw Dia	Arbor	Quantity
SH0096	14MM	A1, A4	1
SH0058	16MM	A1, A4	1
SH1016	17MM	A1, A4	1
SH0034	19MM	A1, A4	1
SH2532	20MM	A1, A4	1
SH1036	21MM	A1, A4	1
SH0078	22MM	A1, A4	1
SH1056	24MM	A1, A4	1
SH0100	25MM	A1, A4	1
SH0116	27MM	A1, A4	1
SH0118	29MM	A1, A4	1
SH0136	30MM	A1, A4	1
SH0114	32MM	A2, A10	1
SH0156	33MM	A2, A10	1
SH0138	35MM	A2, A10	1
SH0176	37MM	A2, A10	1
SH0112	38MM	A2, A10	1
SH0196	40MM	A2, A10	1
SH0158	41MM	A2, A10	1
SH1116	43MM	A2, A10	1
SH0134	44MM	A2, A10	1
SH1136	46MM	A2, A10	1
SH0178	48MM	A2, A10	1
SH0200	51MM	A2, A10	1
SH0216	52MM	A2, A10	1
SH0218	54MM	A2, A10	1
SH56MM	56MM	A2, A10	1
SH0214	57MM	A2, A10	1
SH0256	59MM	A2, A10	1
SH0238	60MM	A2, A10	1
SH0212	64MM	A2, A10	1
SH0296	65MM	A2, A10	1
SH0258	67MM	A2, A10	1
SH68MM	68MM	A2, A10	1
SH0234	70MM	A2, A10	1
SH0278	73MM	A2, A10	1
SH0300	76MM	A2, A10	1
SH0318	79MM	A2, A10	1
SH0314	83MM	A2, A10	1
SH0338	86MM	A2, A10	1
SH0312	89MM	A2, A10	1
SH0358	92MM	A2, A10	1
SH0334	95MM	A2, A10	1
SH0378	98MM	A2, A10	1
SH0400	102MM	A2, A10	1
SH0418	105MM	A2, A10	1
SH0414	108MM	A2, A10	1
SH0438	111MM	A2, A10	1
SH0412	114MM	A2, A10	1
SH0434	121MM	A2, A10	1
SH0500	127MM	A2, A10	1
SH0514	133MM	A2, A10	1



Advantages:

- Exceptional strength and durability
- Smooth cut on thinner gauge materials.
- Less tendency to bite or snag on thinner gauge materials.
- Cutting depth 41mm (1 5/8").
- Shatter Resistant

Drillers Dust Bowl

Simply insert the arbor shank through the brass eyelet at the base of the bowl, press the rim of the bowl against the surface of the material being sawn and begin sawing. The rim of the bowl then forms a seal against the material being cut, collecting all dirt and debris inside the bowl. Hole Saws supplied separately.

- Very simple to use – no extra parts are required
- Bowl flexes with minimal pressure as the hole is sawn
- Massive time saving – no need to mask areas prior to drilling and no clean up required after drilling
- Suitable with Starrett Bi Metal Hole Saws up to and including 177mm (8 31/32")



Reference	Reference	QTY
HTDB1	Dust Bowl	1

Arbors

Four standard models are available, each one furnished with a 6.35mm (1/4") high speed steel pilot drills. The set-screw in the body allows for easy replacement of the pilot drill.

A4 type arbors are suitable for use with the AQC14 Quick Change Connector, A1 and A10 type arbors are suitable for use with the AQC38 Quick Change Connector.

Arbors		
Boxed Reference	Description	Quantity
A1	9.5mm Chuck	1
A10	9.5mm Quik-Hitch	1
A2	13.0mm Quik-Hitch	1
A4	6.35mm Round Shank	1
A5	Extension For A2	
A15	Extension For A1, A10	1
A014C	Pilot Drill All Types Except A4	1
A014E	Pilot Drill A4 Only	1
A7	Ejector Spring	1
PT28143	Quick Change Connector	1
A1-1	For Holesaws 14-30mm - Use with SDS Chuck & Shank	1
A2-1	For Holesaws 32-152mm - Use with SDS Chuck & Shank	1



'Oops' Arbor

The A19 'Oops' arbor is for use in conjunction with either the A1, A2 or A10 hole saw arbors. Replacing the pilot drill, the A19 allows diameters to be enlarged by attaching a saw of the same size to that of the existing hole, thereby acting as a pilot for the larger diameter saw. Minimum hole enlargement is 4.7mm (3/16") between the pilot and the cutting saw diameter.

'Oops Arbor		
Boxed	Description	Quantity
OOPS Arbor (A19)	Fits A1, A2 or A10 type Arbors	1



Hole Saw Kits

A range of Starrett hole saws in a durable, hard wearing carry case.

Starrett Hole Saw Kits			
Reference	Description	Contents	Quantity
K2000G	General Purpose Kit	22, 29, 35, 44, 51 & 64mm A1 & A10, A7 Ejector Spring	1
K2000E	Electricians Kit	16, 20, 25, 29, 44, & 51mm A1 & A10, A7 Ejector Spring	1
K2000DE	Deluxe Electricians Kit	16, 20, 22, 25, 29, 35, 44, 51, 64, 68 & 76mm, A1 & A2, A7 Ejector Spring	1
K2000PE	Plumber & Electricians Kit	16, 20, 22, 29, 35, 38, 40, 44, 51, 65, 68mm, A1 & A2, A7 Ejector Spring	1
KCSC200G	Cordless Smooth Cutting Hole	16, 20, 25, 27, 30, 32, 38 & Quick Change Connector	1



NEW Downlight Hole Saw Kit

Tungsten Carbide Tipped Fast Cut Multi Purpose Hole Saws are perfect for plasterboard, wood, ceramics and anything which is wood based. The new kit contains all the most popular hole saw sizes for cutting downlight apertures.

Kit Contents:

1x35mm	1x73mm
1x40mm	1x76mm
1x44mm	1x83mm
1x51mm	1x86mm
1x60mm	1x92mm
1x65mm	1xA17-38 Arbor
1x70mm	

Down Light Hole Saw Kit		
Reference	Description	Qty
KMPH2000DL	Downlight Kit	1

**NEW Tungsten Carbide Tipped Fast Cut Multi Purpose Hole Saws**

Starrett Tungsten Carbide Tipped Fast Cut Multi Purpose Hole Saws (MPH Hole Saws) are the perfect tool for users from construction and installation engineers to the DIY enthusiast. Offering very fast cutting times, and outstanding life, the MPH saws will power through wood, MDF, plastics and ceramic wall tiles. For installers our range of kits provide the perfect solution to all your cutting needs.

- Carbide tipped teeth for outstanding cutting performance and product durability
- Smooth cut, with minimal heat build up
- Cutting depth 54mm (2.1/8"). This allows use for cutting through strapping and joists, removing the need for ship auger drill bits.
- Suitable for use in mains and battery powered tools.
- Multiple uses - cutting wood, mdf, plastics, ceramic wall tiles and building bricks
- A range of general purpose and specialist Locksmith's Kit are available, featuring the most popular sizes of saw and appropriate arbors.

Diameter			Arbor Ref No
mm	Inch	Cat No	
20	25/32	MPH2532	1/2
22	7/8	MPH0078	1/2
25	1	MPH0100	1/2
30	1.3/16	MPH0136	1/2
32	1.1/4	MPH0114	3/4/5
38	1.1/2	MPH0112	3/4/5
41	1.5/8	MPH0158	3/4/5
51	2	MPH0200	3/4/5
54	2.1/8	MPH0218	3/4/5
64	2.1/2	MPH0212	3/4/5

Recommended Arbors					
Arbor Ref	Cat No	Fits Hole Saws		Fits Chuck Size	Additional Information
		mm	Inch		
1	A1E/XA1	14-30	9/16-1.3/16	9.5mm/3/8"	Fits AQC 38 Quick Change Connector
2	A4E/XA4C	14-30	9/16-1.3/16	6.5mm/1/4"	Fits AQC 14 Quick Change Connector
3	A17-38E/XA17-38	32-159	1.1/4-6.1/4	9.5mm/3/8"	Locking Arbor, fits AQC38 Quick Change Connector
4	A2E/XA2	32-159	1.1/4-6.1/4	13mm/1/2"	Quick Hitch Arbor

Hole Saw Kits			
Description	Cat No	Hole Saw Sizes	Arbors
General Purpose Kit 1	KM PH2000GP1	19mm, 22mm, 29mm, 35mm, 44mm and 51mm	A1E & A17-38E

NOTE: (1) For hole saws greater than 30mm (1.3/16") dia the Locking Arbor is the recommended arbor as it will provide the best results and maximise the life of the saw, although the A2E and A10E will also be suitable. (2) When cutting ceramics a carbide tipped pilot drill is recommended. Please order XA arbors.

Cavity Master

The Cavity Master has been borne out of years of lifting and then having to repair or replace particle or chipboard flooring to gain access to services, then having the time consuming job of repairing the floor usually without success!

By using the Cavity Master tool, floors and wall spaces are quickly opened and sealed with the closure plate. The opening and closing of the floor or wall can be accomplished in 2 minutes. The Cavity Master works equally well on floorboards or any wooden material.

How the Cavity Master Works



Cut the hole with the Cavity Master in seconds



A 2mm rebate is length which allows the cover plates to be installed flush with the existing floor



Cables or pipes can then be accessed via the hole



The hole is then sealed with the cavity cover plate, which fits flush with the floor surface

Cavity Master Kit Contents

- 1 x Cavity Master
- 1 x Arbour and Drill
- 5 x Cover Plates



Cavity Master	
Product	Reference
Cavity Master Kit	CRCA1

Accessories Available

- Pack of 5 Solid Closure Plates
- Pack of 5 Mesh Closure Plates

Cavity Master ACCESS PLATES	
Product	Reference
Pack of 5 Solid Cable Access Plates	CRCAPS
Pack of 5 Mesh Cable Access Plates	CRCAPM



Jig Saw Blades

Starrett offers industrial quality high speed steel edge bi-metal blades.

These blades have a high speed steel cutting edge welded to a tough, flexible back. This combination provides long life and makes them virtually unbreakable. These Jigsaw blades have the pitch printed on the shank end so that it will not easily wear off - no more guessing the pitch of a used blade.

Features & Benefits

- One shank fits all jig saw machines
- Only 17 blades to meet all cutting requirements
- 170% greater resistance to tooth breakage and fracture
- 25% more tool life
- Smoother, faster, straighter cuts
- Shatterproof design, unbreakable during normal use
- Lower cost per cut
- Merchandisable



For use on	Reference	Cutting Length	Width	No. Of Blades Per Pack
Wood	BU36T-5	75mm	7.5mm	5
Wood	BU36-5	75mm	7.5mm	5
Wood	BU46-5	100mm	9.5mm	5
Wood	BU56-5	125mm	9.5mm	5
Wood	BU38-5	75mm	7.5mm	5
Wood	BU310T-5	75mm	7.5mm	5
Wood	BU310DT-5	75mm	7.5mm	5
Multi purpose	BU41014-5	100mm	9.5mm	5
Multi purpose	BU214-5	50mm	7.5mm	5
Multi purpose	BU214S-5	50mm	4.5mm	5
Multi purpose	BU218-5	50mm	7.5mm	5
Multi purpose	BU418-5	100mm	9.5mm	5
Abrasive Materials	BU230-5	50mm	7.5mm	5
Metal	BU224-5	50mm	7.5mm	5
Metal	BU224S-5	50mm	4.5mm	5
Metal	BU424-5	100mm	9.5mm	5
Metal	BU232-5	50mm	7.5mm	5

Hacksaw Blades

A range of Starrett bi-metal hacksaw blades, 24 and 32 TPI (teeth per inch).

Hacksaw Blades			
Ref	Description		Quantity
BS1224	Blue Stripe - High Speed Steel 24TPI		100
BS1232	Blue Stripe - High Speed Steel 32TPI		100
GF1224	Grey Flex 24TPI		100
GF1232	Grey Flex 32TPI		100



The Hidden Edge

The hidden edge keeps the blade safely tucked away when not in use, yet instantly available by simple releasing the safety lock and squeezing the lever.

- Supplied with 3 blades
- Adjustable cutting depth
- Quick release blade change
- Storage for up to 10 blades.

The Hidden Edge		
Reference	Description	Quantity
SO11	Hidden edge safety Knife	1



Hole Cutters

All cutting tools are ground using cubic crystalline Boron Nitride (CBN). This gives a perfect cutting edge that lasts considerably longer and is more precise than other forms of grinding. All products are CBN ground from fully hardened material making further heat treatment which can distort the cutting edges and precision of the tool unnecessary.

Step Drills

The CBN ground and spiral flutes ensure quiet operation and high performance. The tapered, chamfered end of the cone makes it easier to withdraw the tool from the material.

Non slip point; needs no centre punch

- Enlarges existing holes
- Round shank
- Each step laser marked with hole size
- Can be used on non ferrous metal, special steel, thermoplastics and duoplastics

Step Drills		
Reference	Size	Cut out
101050-5	0/5	4-12mm - 5 steps
101051	1	4-20mm - 9 steps
101052	2	4-30mm - 14 steps
101095	11	6-25mm - 9 steps



Tube and Sheet Drills

The CBN ground and spiral flutes ensure quiet operation and high performance. The tapered, chamfered end of the cone makes it easier to withdraw the tool from the material.

Non slip point; needs no centre punch

- Enlarges existing holes
- Round shank
- Can be used on non ferrous metal, special steel, thermoplastics and duoplastics

Tube Sheet Drills		
Reference	Size	Cut out
101001	1	3-14mm
101002	2	5-20mm
101022	9	5-22.5mm
101003	3	16-30.5mm
101004	4	24-40mm
101005	5	36-50mm



Switch and Socket Box Rethreaders

HSS taps fitted with moulded handle. Designed for cleaning the threads in fixings holes of sockets or switch boxes with malformed threads or are blocked with plaster or cement.

Switch & Socket Rethreaders		
Reference	Size	Cut out
230350	3.5mm	Rethreader (No.1 selling size used)
230040	4.0mm	Rethreader



Guide and Dies

Guide & Dies	
Reference	Description
180/0020	20mm Die
180/0030	25mm Die
180/0050	20mm Guide
180/0060	25mm Guide
180/120	20 & 25mm Guide and Die Set



Eye Protection

Plano Eyewear

HellermannTyton, aware of the needs of the professional user, presents a new range of Plano security eyewear that offers comfort and a modern design in the most complete respect of European EN166 Standards specification.

G13

- Extremely sporting and lightweight frameless glasses
- Wraparound lenses offer total protection and unrestricted side view
- Polycarbonate, antiscratch and ultraviolet protection
- Cannot be used for welding

Recommended for

- Every mechanics processing: grinding, drilling and cutting
- Building

G13			
Reference	Frame Colour	Lens Colour	Pack Qty
PLG13	Silver	Transparent	1



G14

- Extremely sporting and lightweight frameless glasses
- Wraparound lenses offer total protection and unrestricted side view
- Polycarbonate, sun and ultraviolet protection
- Cannot be used for welding

Recommended for

- Every mechanics processing: grinding, drilling and cutting
- Building
- Outdoor applications where sunlight and glare cause eyestrain and fatigue

G14			
Reference	Frame Colour	Lens Colour	Pack Qty
PLG14	Blue	Blue mirror	1



G15

- Extremely sporting and lightweight frameless glasses
- Wraparound lenses offer total protection and unrestricted side view
- Polycarbonate, antiscratch, ultraviolet protection and high visibility
- Cannot be used for welding

Recommended for

- Every mechanics processing: grinding, drilling and cutting
- Building
- Low visibility situations

G15			
Reference	Frame Colour	Lens Colour	Pack Qty
PLG15	Gold	Yellow	1



G15	
Reference	Description
PL528TX-3	Glasses Case



NEW G33

- Anti-scratch and give UV protection.
- Wraparound polycarbonate lenses
- Lightweight frames
- Anti-fog/mist
- Removable ventilation strip designed to prevent misting on the inside and also absorbs perspiration.
- Rubber nose grip provides extra comfort & reduces slipping when the head is lowered.
- Come with an easily attachable lanyard



G33			
Reference	Frame Colour	Lens Colour	Pack Qty
PLG33	Blue	Clear	1

NEW G34

- sun protective (protect from both UVA & UVB rays) & mirrored finish
- Wraparound polycarbonate lenses
- Lightweight frames
- Anti-fog/mist
- Removable ventilation strip designed to prevent misting on the inside and also absorbs perspiration.
- Rubber nose grip provides extra comfort & reduces slipping when the head is lowered.
- Come with an easily attachable lanyard



G34			
Reference	Frame Colour	Lens Colour	Pack Qty
PLG33	Grey	Silver	1

Knee Protection**Nailers Protective Knee Pads**

- New generation of effective knee pad joint protectors
- Comfortable, retain shape better, last longer and absorb shock effectively
- Quick fix and release adjustable straps - for all day comfort
- Fully certified - EN1621/1 - abrasion and impact tested

Protective Knee Pads	
Reference	Size
60200-G1	Gel swivel knee protector

**Gel Nylon Tradesman Knee Pads**

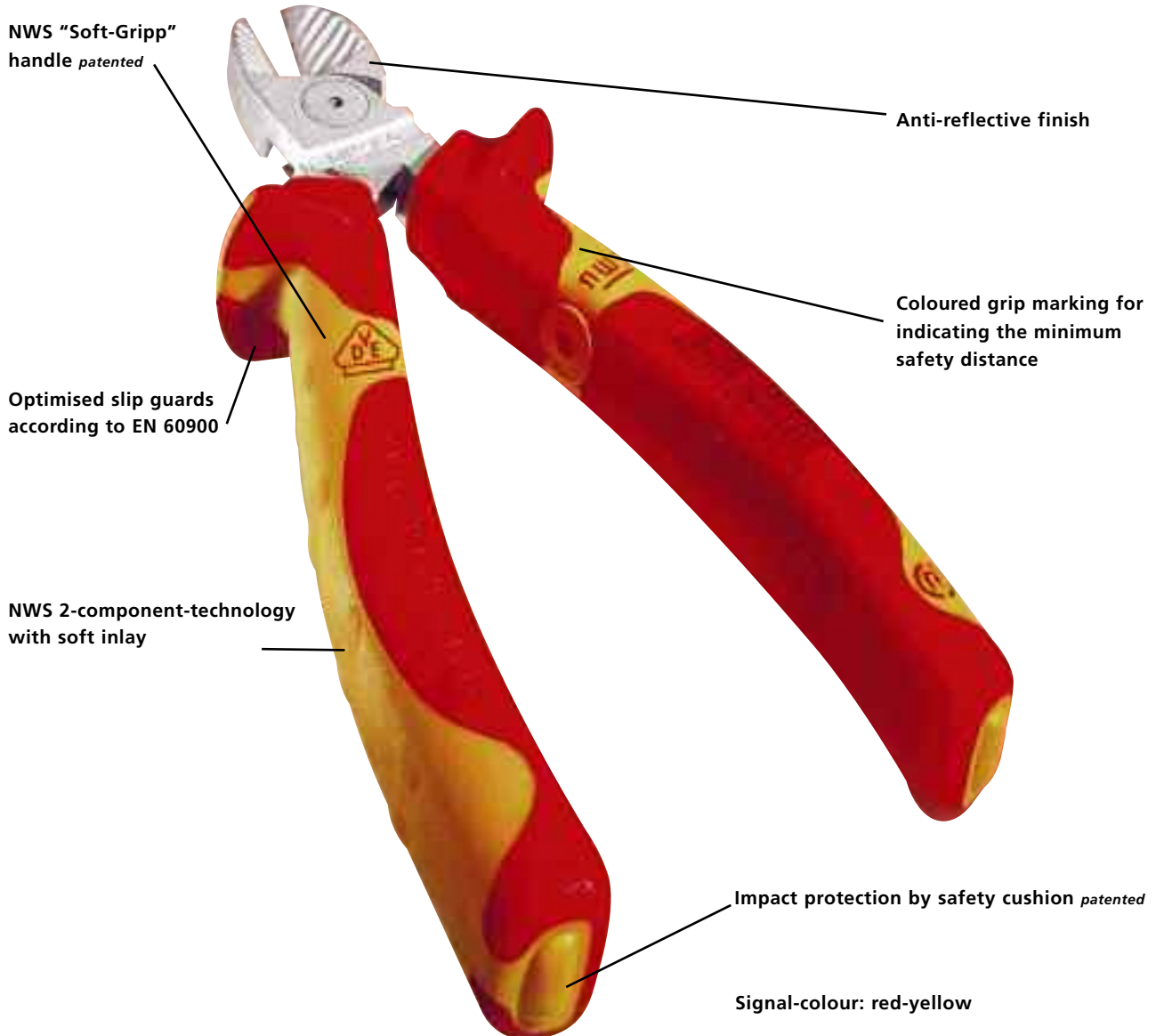
- Covered with durable 1680 denier nylon
- Made with 100% real injected Gel
- Solid webbing strap with the quick-clip-release fastening system on the bottom and elastic on the top
- Ideal for delicate surfaces such as hardwood floors, tile or any other surface that you don't want to "mark"

Protective Knee Pads		
Reference	Size	Qty
KNE01	Tradesman Knee Pads	1



NWS High Quality VDE Tested Electricians Safety Pliers

NWS safety pliers are designed to protect personnel working on or around live equipment up to 1000AC and 1500DC. Made in Germany NWS tools are manufactured from top quality raw materials and rigorously tested to ensure compliance with the latest international standards.



Features & Benefits

- Superior design quality pliers
- Patented bi-component red/yellow handles
- Ergonomic design improves handling
- Soft grip inlay indicates safety distance from working head
- Impact resistant safety cushion - protects handles when dropped
- Optimised grip guards in accordance with EN60900
- Optimised grip guards in accordance with EN60900
- Hot drop-forged from special alloy tool steel to NWS specification
- Matt chrome finish for maximum corrosion protection
- Precision cutting edges induction hardened, better cutting, longer life
- Joint and rivet machined and hardened for smooth operation and long life



6 in 1 Supercutter



Code No. N1351-49-VDE-190



Reference	Reference	QTY
N1351-49-VDE-190	6 in 1 Supercutter	1

Combination Pliers	
Reference	Size
N111-49-VDE-180C	180mm
N111-49-VDE-205C	205mm

Side Cutters	
Reference	Size
N134-49-VDE-160C	160mm
N134-49-VDE-180C	180mm

Heavy Duty Side Cutter	
Reference	Size
N137-49-VDE-200C	180mm

Long Nose Pliers	
Reference	Size
N140-49-VDE-170C	170mm
N140-49-VDE-205C	205mm

Wire Stripper	
Reference	Size
N145-49-VDE-160C	160mm

Cable Cutters	
Reference	Size
N043-49-VDE-160C	160mm
N043-49-VDE-210C	210mm

Waterpump Plier	
Reference	Size
N165-49-VDE-240C	240mm



Safety Screwdrivers

The E-Mark VDE has the more spherically shaped, dual-surface handle with the basic triangular configuration beneath. Hard and soft surfaces provide excellent power transmission and a firm, comfortable grip.

E-Mark VDE Screwdrivers

- Uncompromising quality
- Individually tested
- Precision tips - optimum torque
- Chrome - molybdenum steel blade
- Bi-component handle for excellent grip



Slotted	
Reference	Size
T75910	80mm x 2.5mm
T75922	100mm x 3.0mm
T75925	100mm x 3.5mm
T75928	100mm x 4.0mm
T75937	125mm x 5.5mm
T75947	150mm x 6.5mm

Pozi	
Reference	Size
T76912	100mm PZ1
T76921	100mm PZ2

Philips	
Reference	Size
T74930	100mm PH1
T74903	100mm PH2

VDE Sets	
Reference	Size
T700-7	7 piece kit containing 1 x T75922, T75928, T75937, T75947, T76912, T76921, B68000
T700-8	8 piece kit containing 1 x T75922, T75928, T75937, T75947, T76912, T76921, T76901, B68000

Drill Bit Sets

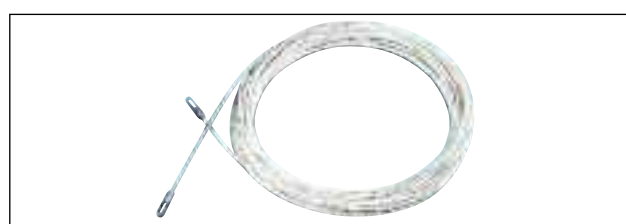
- Selection of drill bit sets to meet the electricians requirements
- Drill bits to European standard -
Twist drills: DIN 338 type N HSS rolled
Masonry drills: DIN 8039
- Packed in reusable cases

Drill Bit Sets	
Reference	Description
205226	18 piece set in a handy bit box 6 x twist drills dia 3, 4, 5, 6, 8, 10mm 6 x masonry drills dia 3, 4, 5, 6, 8, 10mm 6 x wood drills dia 3, 4, 5, 6, 8, 10mm
205210	19 piece rolled twist drill set - metal case 1mm up to 10mm in increments of 0.5mm
205200	170 piece rolled twist drill set - Metal carry case. 10 pieces of each 1-8mm. 5 pieces of each 8.5-10mm - in increments of 0.5mm



Nylon Fish Tape - Unboxed

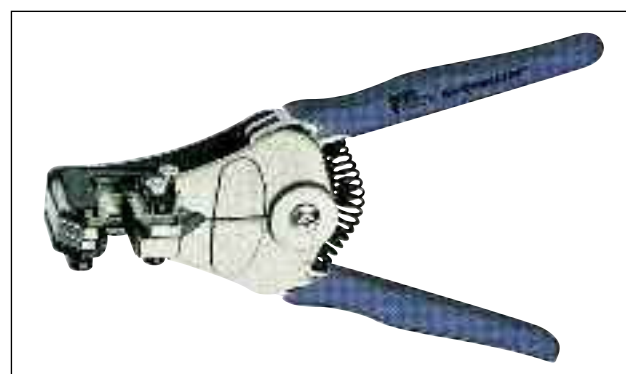
Fish Tape		
Reference	Description	Quantity
DTN10	NYLON 10M	1
DTN20	NYLON 20M	1
DTN30	NYLON 30M	1



Wire Strippers

- One-step stripping enhances productivity
- Spring action motion increases leverage and reduces operator fatigue
- Knife type blades provide clean, accurate stripping
- Sturdy die-cast frame provides long term durability
- Wire gripper holds wire securely in position
- Spare blades available on request

H35 Wire Strippers		
Reference	Description	Quantity
45-090	H35/1 4-10mm ² Cutting Diameter	1
45-092	H35/2 .22-6mm ² Cutting Diameter	1
45-098	H35/3 .005-0.5mm ² Cutting Diameter	1



Pro Grabit – Damaged Screw & Bolt Remover

- Removes free spinning screws
- Winslow tip for self centring.
- Double ended 2 piece set.
- removes screw from wood, metal or plastic.
- Screw sizes no6-14.
- Bolt sizes M4-8

Prograbit		
Reference	Reference	QTY
PROGRAB	Pro Grabit	1



Cable Cutters

- Cable cutting up to 50mm²
- High visibility yellow handle

Cable Cutters		
Reference	Description	Quantity
TTC8	Cable Cutter Up To 35mm ²	1
TTC10	Cable Cutter Up To 50mm ²	1



Plano Technic Line

- Latest ideas from Plano USA
- New concept in soft storage and work wear
- Smart colour co-ordinated red & grey
- Practical way to store tools
- Easily wiped clean
- Light weight but very durable
- Tools not included

Plano Toolbelts - Matt Black Collection

- Highly water resistant - water repellent, functional toolbelts
- Light weight and padded
- Quick release buckle
- Extremely durable - easily wiped clean
- Waist size 90-120cm
- Tools not included

Plano Toolbelts	
Reference	Size
PL52170	23 pocket belt - 2 x pouches, tape holder (up to 8m), hammer loop
PL52180	15 pocket belt - 1 x pouch, tape holder, cordless drill holster



Plano Electricians Tool Case

- Pro-bag workstation
- Fit for electronic tools
- Opening on both sides
- Big outer pocket for documents

Plano Electricians Tool Case	
Reference	Description
PL552TX	Electricians Tool Case



Plano Padded Tool Briefcase

- Large front pocket designed to hold laptop/files/documents, this also features 9 internal pockets and is fastened with 2 clips.
- The rear pocket is padded and ideal for holding tools, features and various sized elasticated tool holders.
- Complete with carry handle and shoulder strap.

Plano Padded Tool Briefcase	
Reference	Description
PL559T	Plano padded tool briefcase



Colours may vary

NEW Formula Fospro PX - Industrial Strength Protective Lubricant

Fospro is the complete maintenance treatment for protection against corrosion, water displacement, lubrication and light surface rust removal. One simple application – by spray, swab or dip – stops the spread of existing corrosion, gives lasting protection against further attack and removes and repels ambient moisture. Fitted with a 360° Spray System for all angle use, even upside down.

Application

Fospro PX is specifically used for preservation and corrosive inhibition after operation of certain gas turbine engines and as a de-watering and protective fluid.

Fospro PX is ideal for use on all mechanical and electrical equipment being suitable for use on low voltage equipment up to 250V.

As a penetrant, it will quickly free seized nuts, bolts and bearings, whilst the highly effective water displacing properties make the perfect 'damp-start' solution for ignition systems and other electrical equipment.

The protective, lubricating film is non-conductive and remains operational even at severe sub-zero temperatures. It will not affect paints or plastics and is lastingly effective on all metals, including aluminum. Freshly machined surfaces resist 'finger-marking' and will stay clean and bright, even in highly corrosive conditions.

Reference	Size	QTY
Fospro PX	Fospro - Industrial Strength Protective Lubricant	12 x 400ml





Electrical Maintenance		
Product Name / Reference	Carton Qty	Features
Lec-Klene 1/400 Lec-Klene 12/400 Lec-Klene 1/5 Lec-Klene 1/25	1 x 400ml 12 x 400ml 1 x 5 ltr 1 x 25 ltr	LEC-KLENE is a highly refined, low aromatic solvent cleaner, which meets DEF STAN 68-148 issue 2, for the safe and effective cleaning of Electrical and Aerospace equipment. The high flash point and low aromatic content enable it to be safely used in confined areas where fire or health risks are to be minimised.
40+ Protective Lube 1/400 40+ Protective Lube 12/400	1 x 400ml 12 x 400ml	AMBERSIL 40+ is the complete maintenance treatment for protection against corrosion, water displacement, lubrication and light surface rust removal. One simple application - by spray, swab or dip - stops the spread of existing corrosion, gives lasting protection against further attack and removes and repels ambient moisture.
AGL1 1/400 AGL1 12/400	1 x 400ml 12 x 400ml	AGL 1 is a multi purpose, greaseless lubricant preventing electrical and electronic malfunction caused by water penetration, humidity, condensation or corrosion. The stable, low surface tension, high capillary action formula provides great penetrating and wetting power.
SV100 Electrical Varnish 1/400 SV100 Electrical Varnish 12/400	1 x 400ml 12 x 400ml	Provides a tough, impervious insulating seal - ideal for components subjected to 'difficult' environments and high humidity. It is particularly suitable for improving leakage characteristics of terminal assemblies and also seals electrical leakage paths. It has excellent resistance to transformer oils and moisture with good noise reduction characteristics. Dries rapidly to form a hard red coloured film.
Amberklene FE10 1/400 Amberklene FE10 12/400	1 x 400ml 12 x 400ml	AMBERKLENE FE10 is a fast evaporating solvent blend which contains no CFCs or other chlorinated solvents. It is an ideal alternative to 1,1,1 Trichloroethane.
CCL100 1/400 CCL100 12/400	1 x 400ml 12 x 400ml	CCL 100 is a fast drying cleaner for all electrical and electronic components. Ideal for all types of contacts and switches where a light residue of lubrication is required after cleaning. CCL has the following benefits: - Clear, low odour, fast evaporating cleaner, Speedily cleans grease and dirt from metal electrical and electronic components. Low toxicity, Can be used on most plastics, Directional nozzle with separate extension tube.
NF Precision Cleaner 1/400 NF Precision Cleaner 12/400	1 x 400ml 12 x 400ml	A unique non-flammable precision cleaner for electrical and electronic equipment. Chlorinated hydrocarbons (1,1,1-trichloroethane), chlorofluorocarbons (CFC's) and hydrochlorofluorocarbons (HCFC's) are extremely effective solvents.
IPA 1/400 IPA 12/400	1 x 400ml 12 x 400ml	IPA is an internationally approved general purpose, cost effective electronic cleaning solvent. Ideal for cleaning, degreasing and defluxing delicate electronic assemblies. IPA has many advantages including Forming an azeotrope with water to assist removal of moisture, Leaves no residue and is a highly versatile cleaning solvent.
Air Duster 1/400 Air Duster 12/400	1 x 400ml 12 x 400ml	AIR DUSTER is a liquified gas which provides a dry, powerful blast for easy removal of dust and other loose contamination. This product has been formulated without the use of any CFCs or HCFCs.
Anti-Static Spray 1/400 Anti-Static Spray 12/400	1 x 400ml 12 x 400ml	ANTI-STATIC SPRAY is a specialist formulation for the temporary reduction of electrostatic charges generated by friction and atmospheric conditions. Anti-Static Spray reduces airborne dust accumulation and is safe to use on most substrates. Particularly useful in the textile and paper making industries or for use in dust laden atmospheres.
AMS4 Silicone Grease 1/400 AMS4 Silicone Grease 12/400	1 x 400ml 12 x 400ml	AMS4 SILICONE GREASE provides a smooth, non-melting coating with a broad spectrum of applications. Broad operating temperature range (-50°C to + 200°C), Heat resistant (up to 200°C), Insulates, lubricates, seals, preserves and waterproofs.
Greasil 400	1 x 100ml	High quality, pure silicone grease which is water repellent and non-melting. As an anti-tracking, anti-arcing coating, it will protect electrical systems.

Application	Type
LEC-KLENE is ideal for removing oils, greases, waxes, tar, bitumen, brake block dust, carbon and other general soiling. It has no detrimental effect on painted surfaces, ferrous and non-ferrous metals, composite materials, rubbers and plastics. It totally evaporates to leave surfaces clean and dry, ready for any post cleaning treatments.	Cleaner / Degreaser
Ambersil 40+ is ideal for use on all mechanical and electrical equipment. As a penetrant, it will quickly free seized nuts, bolts and bearings, whilst the highly effective water displacing properties make 40+ the perfect 'damp-start' solution for ignition systems and other electrical equipment.	Dewatering Lubricant
Helps to protect, lubricate and restore: Electrical connectors, Motors, Relays, Communication, Assemblies, Generators, Electronics, Circuit breakers, Controls, Alarm systems, Transformers, Instruments, Starters, Switch gears	Greaseless Lubricant
Protecting circuit boards, transformers and other coils, Protecting repaired or reworked jobs, Insulating against humidity and other 'difficult' environments, Improving leakage characteristics of terminal assemblies, Noise reduction in small transformers, Moisture protection, Finishing varnish to stop tracking, Tropicalisation on all types of electrical equipment.	Anti Corrosion / Anti Tracking
A highly effective degreasing agent for all hydrocarbon soiling, including oil, grease, tar and bitumen. For use in numerous industries including; where a fast and effective cleaning solvent is required. Efficiently cleans plastics, ferrous and non-ferrous metals, evaporating quickly to leave a clean, dry surface. Also recommended for spot removal in the textiles and associated industries.	Degreaser
CCL100 is typically used within the following areas: Automotive, Mechanical engineering, Workshops, Dock yards, Agricultural machinery, General maintenance	Contact Cleaner / Lubricant
NF Precision Clean is the first alternative on the market that meets the highest performance characteristics: Chlorinated Hydrocarbon Free, CFC and HCFC Free, Solvent Based, Non-flammable Blend, Fast Evaporation Rate.	Non Flammable Contact Cleaner
IPA is a universally recognised electronic cleaning solvent which conforms to BS 1595, ASTM D770 and DIN 53245.	Cleaner / Degreaser
Suitable for instant cleaning of inaccessible areas or where the use of solvents is not desirable. Can be used safely and efficiently on: Photocopiers, Fax Machines, Typewriters, Computers, Microscopes, Oscilloscopes, Cameras, Lenses, Watches, Precision Instruments & Laboratory Equipment	Cleaner
Plastic components, Screens and monitors, Paper mills, General static discharge	Static Charge Removal
Electronics and Telecommunicatios, Transport, Aviation, Mechanical Engineering and Production.	Silicone Grease
Food, Automotive, Mechanical engineering, Workshops, Civil engineering, Mining, Iron and steel, Dock yards, Agricultural machinery, Heavy engineering, Offshore	Pure Silicone Grease





General Maintenance

Product Name / Reference	Carton Qty	Features
Label Remover 1/200 Label Remover 12/200	1 x 200ml 12 x 200ml	LABEL REMOVER is a unique blend of citrus and hydrocarbon oils which quickly releases self-adhesive labels and stickers. It neutralises the adhesive, thereby facilitating clean and easy removal.
Cold Galvanise 1/400 Cold Galvanise - 12/400	1 x 400ml 12 x 400ml	Cold Galvanising Spray is a unique combination of zinc powders and resins, formulated to form a high performance zinc-rich coating that actively fights rust and corrosion by its galvanic properties. Ferrous metals are protected by the sacrificial action, even when scratched or damaged. Zinc becomes the anode which is attacked by corrosion and the base metal the cathode. A film of water insoluble zinc oxide is formed, which stops rust and corrosion.
Corrosion Inhibitor 1/400 Corrosion Inhibitor 12/400	1 x 400ml 12 x 400ml	Corrosion Inhibitor is a protective coating that provides long lasting protection against rust and corrosion.
Penetrating Oil 1/400 Penetrating Oil 12/400	1 x 400ml 12 x 400ml	PENETRATING OIL is a high-grade lubricating agent based on a mixture of oils and penetrants in a blend of solvents. It has been formulated to offer quick and easy removal of seized and rusted components.
Copper Anti-seize 1/400 Copper Anti-seize - 12/400	1 x 400ml 12 x 400ml	COPPER PASTE is a high temperature anti-seize lubricant. A soft, copper-coloured paste, based on micronised copper powder and synergistic anti-oxidant, anti-corrosion and anti-wear additives suspended in a premium grade stable oil. It is an effective anti-seize formulation, preventing metal-to-metal contact, seizing, galling, and fretting corrosion.
Silicone Lubricant 1/500 Silicone Lubricant 12/500	1 x 500ml 12 x 500ml	SILICONE LUBRICANT is a general purpose, medium duty silicone lubricant, which exhibits excellent anti-stick and slip properties.
Bright Cold Galvanise - 400ml Bright Cold Galvanise - 400ml	1 x 400ml 12 x 400ml	A single component, zinc-aluminium coating combining corrosion protection properties with the lustre look of recently galvanized parts. Bright Cold Galvanising Spray is a combination of zinc and aluminium powders, resins and additives, formulated to form a flexible protective film with a bright, glossy appearance.
Leak Detector 1/400 Leak Detector 12/400	1 x 400ml 12 x 400ml	LEAK DETECTOR is a unique water based formulation. It has been developed, without the use of harmful solvents, silicones or oils, to allow the safe and easy detection of all gas and air leaks.
5005a Silicone Sealant 1/75	1 x 75ml	Ambersil Silicone Adhesive Sealant 5005A is a high modulus, one part acetoxycuring sealant conforming to ISO 11600. In its uncured state, the sealant is a thixotropic paste which can be applied over a wide range of temperatures with no risk of slumping from normal joint widths. The product cures rapidly on exposure to moist air to provide a resilient rubber seal capable of repeated extension and compression during service with excellent resistance to aging, shrinkage, cracking and discolouration.
5-minute Epoxy 1/24	1 x 24ml	5-MINUTE EPOXY is a fast setting epoxy in a handy syringe - ideal for keeping in tool box or drawer. Will mend a wide variety of materials including metal, wood, ceramic, porcelain and glass.

Application	Type
Ideal for use on many different non-absorbent surfaces, including: Photocopiers, Fax Machines, Computers, Printers, Typewriters, Platens, Rollers, Cabinets, Shelving, Amusement Machines.	Label Remover
For general use in all situations where clean and degreased metal surfaces need to be protected against corrosion. Suitable for use as a renovation media for repairs to hot dip galvanising, as specified in BS EN ISO 1461:1999.	Galvanising Spray
Corrosion Inhibitor is designed to provide good short to medium term protection of metallic parts and components. Principally designed for indoor use, corrosion inhibitor will also provide a degree of short-term protection to components stored outdoors.	Corrosion Inhibitor
Ideal for freeing nuts, bolts, screws, studs, pins, valves, machine parts, pipe couplings and pulleys. Can also be used for cleaning rusted surfaces of moulds, dies and heavy tools and for softening or removing carbon deposits.	Lubricant
An effective anti-seize lubricant for bolts, nuts, pins etc. Anti-seize to 110°C, Lubricants to 300°C.	Lubricant
Ideal for use where a clean, colourless lubricant is required. Safe to use on wood, glass, fabrics, metals, most plastics, rubbers and hard surfaces. WRAS approved for use in water industry.	Lubricant
Bright, glossy coating for newly galvanised parts.	Anti Corrosion
Highlights all leaks even under low pressure and proves invaluable in the gas, plumbing, heating, automotive, offshore, engineering and welding industries. Ideal for QC tests, maintenance and safety checks meets DIN 30657 and BS EN ISO 14291:2004.	Leak Detector
Ambersil Silicone Adhesive Sealant 5005A offers good adhesion to various non-porous substrates such as glass, glazed ceramic tiles and Aluminium and is therefore recommended for producing formed-in-place gaskets, draught proofing of windows and doors, on-site and factory-channel glazing of flat or profiled glass, patent glazing, curtain wall sealing and for ceramic and plastic joints in sanitary ware, laboratories and hospitals where ease of cleaning and a high standard of hygiene are essential.	Silicone Sealant
Rapid, small scale repairs, Filling small holes and cracks, Repairing worn parts, including shafts, housings, keyways and flanges.	Adhesive





Cutting Compounds

Product Name / Reference	Carton Qty	Features
Tufcut Compound 1/500 Tufcut Spray 1/400 Tufcut Spray 12/400	500g 1 x 400ml 12 x 400ml	The TUF CUT range is comprised of specialist metal cutting lubricants based on a mixture of extreme pressure additives and anti-oxidants. They have been formulated as instant, ready to use metal machining lubricants with high film-strength and resistance to extreme pressures.



Wipes

Product Name / Reference	Carton Qty	Features
Toughwipes 100's Tub	100	Tough wipes are impregnated with an effective cleaning and conditioning solution designed to be gentle on hands but tough on contamination, therefore Ambersil Tough Wipes can assist in the prevention of skin disorders such as occupational dermatitis. Hands are clean and dry in one application, all without the use of water.
Toughwipes 30's Pouch	30	



Electrical Maintenance

Product Name / Reference	Carton Qty	Features
Contact Cleaner FG 1/400	1 x 400ml	CONTACT CLEANER FG is a highly effective precision cleaning solvent blend which does not contain chlorinated solvents, alcohols or Glycol ethers. Contact Cleaner FG improves the performance and reliability of electrical/electronic equipment in the food industry by preventing contact failures or malfunctions by dissolving and rinsing away contaminants which may hold moisture and cause corrosion or arcing.
Contact Cleaner FG 12/400	12 x 400ml	
Amberclens 1/400	1 x 400ml	AMBERCLENs is a unique anti-static foaming cleaner based on a blend of surfactants, solvents, inhibitors and water. Unrivalled in performance, it quickly and easily removes all types of dirt, grease, stains, soiling and other contamination from hard surfaces and fabrics.
Amberclens 12/400	12 x 400ml	

Application	Type
TUFCUT FOAM is a foaming lubricant specifically formulated to enable cutting applications to be performed on vertical surfaces without excessive loss of lubricant from the work piece. Tufcut Foam can also be used where close tolerance machining is to take place as the foam allows a longer contact time, and increased lubricant Cutting Compound	Metal Cutting



Application	Type
Effective on a wide range of soiling types - grease, oil, petrochemicals, paints, adhesives, tar, bitumen, resins and silicone sealants. Contains bactericide effect against Leptospira (Wells Disease).	Hand Wipes



Application	Type
Safe to use on all plastic and rubber surfaces, the rapid evaporation of Contact Cleaner FG ensures that no residues are left on the treated equipment.	Cleaner / Degreaser
Safe to use on all plastic and rubber surfaces, the rapid evaporation of Contact Cleaner FG ensures that no residues are left on the treated equipment.	Cleaner / Degreaser



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