

# Hand Tools



## Hand Saws

**Axcaliber**

**Bulk discount available**



### Axcaliber FineLine Handsaws

The latest additions to the Axcaliber range of cutting tools. With three cutting edges on each tooth the result is a much cleaner finish to the cut in a remarkably short time compared to Standard hard point saws. Grinding of the teeth is done using diamond on computer controlled precision machines. Each saw blade is 1mm thick high quality steel with either 7 or 11tpi.

The comfort grip handle features 90° and 45° angles for quick marking out. Suitable for cutting wood, plywood, chipboard, PVC or plasterboard.

500mm x 11tpi
550mm x 11tpi
500mm x 7tpi
550mm x 7tpi
450mm x 7tpi

Inc.vat	Ex.vat	Code
£11.94	£9.95	200341
£12.44	£10.37	200342
£11.45	£9.54	200338
£11.94	£9.95	200339
£10.94	£9.12	200337

**Quantity Discount 10+**

**Axcaliber**



**Bulk discount available**

### Axcaliber FineLine Pull Saws

Technologically advanced diamond ground teeth; each with three razor sharp cutting edges for an ultra smooth finish with a fast cutting action. These saws cut on the pull stroke, the blades are fitted with pistol grip handles securely fixed with screws. The handles all feature a rubberised comfort grip. The Japanese style teeth are impulse hardened for long life and within the range are different lengths of saw with different pitches. Used for cutting wood, chipboard, pvc, plasterboard. With wood, these saws are excellent for crosscut or mitre work.

	Inc.vat	Ex.vat	Code
300mm x 10tpi	£14.94	£12.45	200343
270mm x 14tpi	£15.44	£12.87	200344
300mm x 14tpi	£16.44	£13.70	200345
240mm x 17tpi	£15.44	£12.87	200346

**Axcaliber**



### Axcaliber FineLine Toolbox Saw

Perfect to keep in the toolbox, as handy as a tenon saw but without any limit to the depth of cut. Hardpoint, FineLine, diamond ground toothing.

	Inc.vat	Ex.vat	Code
360mm x 15tpi	£9.44	£7.87	210218
380mm x 11tpi	£10.44	£8.70	200340

**Axcaliber**



### Axcaliber FineLine PTFE Coated Saw

These razor sharp, triple ground teeth cut with amazing speed. The 550mm long blade is made from 1mm thick steel and given a low friction PTFE coating that also protects against corrosion. The 7 tpi teeth are electronically hardened and diamond ground. The saw is fitted with a heavy duty two part comfort handle that incorporates 45° and 90° angles.

	Inc.vat	Ex.vat	Code
550mm x 7tpi	£13.94	£11.62	210217

**BAHCO**



### Bahco ProfCut Laminator Saw

Designed originally for cutting laminated wood flooring, this saw has proved more popular and far more versatile than the original intention. The Laminator Saw has a 500mm (20") long blade, thicker and stiffer and deeper than found on a normal hardpoint saw, this coupled with Bahco's 12 point toothing gives it great performance in timber and many different types of manmade board. Fitted with comfort grip handle, firmly attached to the blade with three screws.

	Inc.vat	Ex.vat	Code
500mm x 12tpi	£12.44	£10.37	223505

### Axminster Universal Hardpoint Saw

This popular 7tpi universal hardpoint is a fast cutting saw that performs perfectly both across and along the grain. It is suitable for timber, MDF, plywood, chipboard etc. The 0.9mm blade thickness minimises whip and vibration without being cumbersome. The handle has the usual 45° and 90° angles for marking out. A hard anti-rust coating protects against corrosion and helps the smooth cutting action.

	Inc.vat	Ex.vat	Code
500mm x 7tpi	£9.95	£8.29	502459

**BAHCO**

**Bulk discount available**



### Bahco Barracuda 244+ Handsaw

With its super sharp teeth and soft power grip handle this saw will channel your energy to the job in hand and with its thicker blade and hardpoint teeth will provide precision and accuracy over its extended lifetime.

	Inc.vat	Ex.vat	Code
500mm x 8tpi	£13.44	£11.20	701981
550mm x 7tpi	£13.94	£11.62	701982



### Lie-Nielsen Crosscut Panel Saw

When a full size handsaw is unwieldy or you need a greater depth of cut than a tenon saw, it's time to reach for the panel saw. The Lie-Nielsen panel saw has a taper ground blade from 0.8mm to 0.66mm thick. The weight and balance are spot-on and the curly maple handle nicely shaped. The saws are available with either 8 or 12tpi crosscut or 7tpi rip cut. The blade is 500mm long, and the saw 615mm long overall.

	Inc.vat	Ex.vat	Code
500mm x 8tpi	£202.94	£169.12	212476
500mm x 12tpi	£202.94	£169.12	212477
500mm x 7tpi	£202.94	£169.12	212478



## Axcilber FineLine Tenon Saw

Steel backed tenon saw, available in three sizes. The high quality steel blade meets with both ANSI and DIN standards. The blade is finished with a hard, smooth, low friction coating, cutting depth 80mm. The hard point, ultra-sharp teeth (11tpi) are precision diamond ground with three cutting edges. The saw cuts on both the push and pull stroke, giving fast efficient action and leaving a clean finish. The comfortable handle has a non-slip grip for extra sawing power. This saw is ideal for accurate cross and mitre cuts.

	Inc.vat	Ex.vat	Code
250mm x 11tpi	£8.94	£7.45	210038
300mm x 11tpi	£9.44	£7.87	600703
350mm x 11tpi	£9.95	£8.29	210039



## Stanley FatMax Tenon Saw

With a fine 11tpi, these tenon saws are ideally suited to mitre, or joint work where a smooth finish is highly desirable. Extra rigidity makes for a straighter cut and the long life induction hardened teeth, which cut on both the push and pull stroke, make this saw exceptionally good value for money. The bi-material handle, for improved grip, is screwed to the blade for extra strength and incorporates a 45° and 90° reference point.

	Inc.vat	Ex.vat	Code
300mm x 11tpi	£9.44	£7.87	701520
350mm x 11tpi	£10.25	£8.54	953678



## Veritas Small Crosscut Saw

The saw has a 235mm (9.1/4") long by 0.5mm thick high carbon steel blade filed with 16 teeth per 25mm (16tpi). The teeth have 15° rake and bevel angles. The depth of cut is about 40mm. The saw has great balance, it cuts easily, stays true and the pistol grip helps make the saw feel like an extension of your arm. Overall length 360mm (14.1/4")

	Inc.vat	Ex.vat	Code
230mm x 16tpi	£59.94	£49.95	211803



## Veritas Crosscut Carcass Saw

These saws have 275mm (11") long by 0.5mm thick high carbon steel blades filed either crosscut at 14tpi or rip cut at 12tpi. The depth of cut is 60mm. Overall length 415mm (16.1/4")

	Inc.vat	Ex.vat	Code
275mm x 12tpi	£65.94	£54.95	950978
275mm x 14tpi	£65.94	£54.95	950979



## Axminster Benchcraft Tenon Saws

Fulfilling the need for a traditional, quality brass backed tenon saw, for the discerning occasional user, the classroom or training college. The Benchcraft saw has a solid well shaped beechwood handle, heavy gauge brass back and a tempered spring steel blade. The blade is 60mm (2.3/8") deep and 250mm (10") or 300mm (12") long, with teeth cut at 12tpi.

	Inc.vat	Ex.vat	Code
250mm x 12tpi	£35.94	£29.95	225903
300mm x 12tpi	£36.95	£30.79	225904



## Victor Tenon Saws

The high quality alloy steel blade is clenched into a heavy brass backing and screwed onto the varnished rosewood coloured handle, which should ensure that this saw will maintain its accuracy over many years of faithful service. The three screw fixings on the handle allow for re-tightening over the years, and the generous depth of the blade will guarantee an accurate cut. 300mm long 14tpi crosscut.

	Inc.vat	Ex.vat	Code
300mm x 15tpi	£54.95	£45.79	910306



## Lie-Nielsen Carcass Saws

For precise cuts across the grain, cutting tenon shoulders, and defining the edges of a dado. The crosscut carcass saw has 13tpi, filed crosscut, for cutting quickly, accurately and smoothly. The blade is 0.5mm (.020") thick, with a 0.07mm (.003") set. Overall length, including handle, is 400mm (16"). Complementing the cross cut saw is a rip cut filed carcass saws, with 9tpi rip which makes an excellent small general tenon saw.

	Inc.vat	Ex.vat	Code
400mm x 13tpi	£123.95	£103.29	600183
400mm x 9tpi	£123.95	£103.29	202212



## Lie-Nielsen Small Crosscut Saw

This is an exact copy of an 1830s Sheffield original. The open style maple handle is finished with a wiping varnish. The blade is high carbon Swedish steel, correctly hardened and tempered. The milled solid back adds just the right amount of weight to the cut. The blade is 250mm (10") long by 42mm (1.5/8") deep and the length, including handle, is 350mm (14"), (15tpi).

	Inc.vat	Ex.vat	Code
Crosscut Saw 250mm x 15tpi	£116.94	£97.45	202233
Leather Case	£26.94	£22.45	100654



## Lie-Nielsen Tenon Saws

All the Lie-Nielsen Tenon saws feature curly Maple handles. The brass strip, which stiffens the blade and adds weight to the cut, is milled solid brass. The blade is Swedish Steel, 0.8mm (.032") thick. With the teeth set at 0.1mm (.004") thick. With the teeth set at 0.1mm (.004") per side. The saws come in three sizes. A 300mm (12") long blade with 75mm (3") depth of cut, available as a 10tpi rip saw or 12tpi crosscut, a 350mm (14") bladed version, with a 92mm (3.5/8") depth of cut, available as a 10tpi rip or 12tpi crosscut. Finally a 400mm (16") long 10tpi rip cut saw.

	Inc.vat	Ex.vat	Code
300mm x 12tpi	£148.94	£124.12	202197
350mm x 12tpi	£157.94	£131.62	202198
300mm x 10tpi	£139.94	£116.62	202183
350mm x 10tpi	£148.94	£124.12	202200
400mm x 10tpi	£157.94	£131.62	212480



## Deluxe Leather Saw Case

- Suitable for storing up to three tenon or back saws in separate divisions
- 360mm long pockets
- Soft, supple suede leather
- Nylon strap and sliding buckle fastening

	Inc.vat	Ex.vat	Code
3 Pocket	£29.45	£24.54	340432
Camellia Oil (240ml)	£16.94	£14.12	510018



## Dovetail Saws

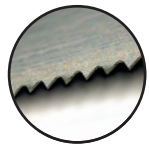
Veritas



### Veritas Dovetail Saw

The saw's spine is permanently moulded onto the back of the blade. It imparts just the right amount of weight to the blade to carry the saw effortlessly into the cut. The polished hardwood handle is shaped to fit the hand comfortably and not just to look pretty, which it also does. In fact the handle is very reminiscent of the rear tote on a bench plane and this theme is carried on in the steel rod and brass nut used to attach the handle onto the spine. A mortice and tenon joint between handle and back ensures a good solid and secure fixing between the two parts. The blade is Japanese high carbon steel, 230mm (9") long by 40mm (1.1/2") deep, with razor sharp teeth filed with a 14° rake angle, the overall weight is 360g (12.7oz).

	Inc.vat	Ex.vat	Code
230mm x 14tpi	£59.94	£49.95	210923
230mm x 20tpi	£59.94	£49.95	211804



### Lie-Nielsen Dovetail Saw

A classic dovetail saw based on a traditional Sheffield design of the 1830s and brought to perfection by the modern craftsmanship of the renowned Lie-Nielsen workshops. The blades are made from 0.5mm(.020") thick polished Swedish steel and the handles are from curly maple. Since dovetailing is a ripping operation, the teeth are filed to a rip profile. With 14tpi, this saw strikes an ideal balance between surface finish and speed. Fine 0.6mm kerf, length, including handle, is 375mm(15"), with a blade length of 250mm(10") by 42mm(1 5/8") deep.

	Inc.vat	Ex.vat	Code
Dovetail Saw 250mm x 14tpi	£112.94	£94.12	600184
Leather Case	£26.94	£22.45	100654



### Lie-Nielsen Thin Plate Dovetail Saw

Lie-Nielsen's standard dovetail saw has a 0.5mm thick saw plate, this latest offering is made with 0.38mm plate. As a result this saw, with the same number of teeth, cuts extremely fast and precisely. 14tpi rip cut teeth are set at 0.07mm per side for a fine 0.52mm kerf. Length, including curly maple handle is 375mm(15"), with a blade length of 250mm(10") by 42mm(1 5/8") deep.

	Inc.vat	Ex.vat	Code
250mm x 14tpi	£112.94	£94.12	951035



### Lie-Nielsen Progressive Pitch Dovetail Saw

Since dovetailing is a ripping operation, where the saw kerf is running with the grain, the Lie-Nielsen progressive pitch dovetail saw has its teeth filed to a rip profile with the teeth starting small at the front and getting larger towards the rear of the blade. In practical terms, this makes the cutting of the joint faster with great precision. Each tooth is slightly less than 0.025mm(0.001") larger than the next. Giving from 15tpi to 9tpi from the tip to the handle. Hand set and filed. Length, including handle, is 375mm(15"), with an overall height of 108mm(4"). Useable blade dimensions are 250mm(10") long by 41mm(1.5/8") deep 0.05mm(0.020") thick.

	Inc.vat	Ex.vat	Code
250mm x 9 to 15tpi	£121.94	£101.62	210872

File & Scraper  
not included

Veritas

### Veritas Jointer & Edger

Serving the dual purposes of topping off the teeth of a hand saw prior to re-sharpening, and providing an accurate guide for filing the edges of cabinet scrapers. A file with a maximum thickness of 4.7mm, typically a 150mm second cut hand file, is clamped into the guide and run across the saw teeth or the scraper to produce an even and square result. The 45° guide face enables other scraper blades to be sharpened. Another use for this versatile tool is for keeping your ski edges nice and sharp; how versatile can you get?

	Inc.vat	Ex.vat	Code
Jointer & Edger	£17.75	£14.79	600304
150mm(6") Second Cut File	£4.44	£3.70	600242

## Saw Sharpening & Care



### Somax No. 250 Saw Setting Pliers

A sharp and properly set saw is an amazing tool and correct setting of the teeth makes a world of difference. The "set" of a saw blade refers to the amount of clearance the saw teeth have over the width of the saw blade. If the set is not even, the saw will not cut straight. The fastest, most accurate and importantly consistent method of setting is to use saw setting pliers. Somax produce two models, the gold handled one for regular 4 to 12tpi saws, and a finer blue one for 12 to 26tpi saws. The blue saw set has a much narrower plunger to take into account the smaller teeth. By unscrewing the knurled knob you can turn the scaled ring (which is the anvil onto which the teeth are pressed) until the desired pitch appears. The anvil on the both pliers is marked from 4 to 12, this is not tpi but merely a guide as to the position of the anvil. The amount of set required is easy to judge when the saw is in the jaws, simply make a note of number on the anvil for future use. Use only light pressure when setting the teeth.

	Inc.vat	Ex.vat	Code
Standard	£23.45	£19.54	950980
Fine	£23.45	£19.54	950981



### Vallorbe Swiss Saw Files

Saw files are tapered at the point for filing all types of handsaws with 60° angle teeth. They have a single cut on the sides and edges and have their edges set straight and cut for filing gullets between saw teeth. The Extra Slim and Double Extra Slim files are suitable for sharpening fine dovetail saws. Made in Switzerland and supplied without handles.

	Inc.vat	Ex.vat	Code
Slim 100mm	£2.94	£2.45	600293
Slim 125mm	£3.35	£2.79	600294
Slim 150mm	£3.95	£3.29	600295
Extra Slim 100mm	£3.24	£2.70	951038
Double Extra Slim 125mm	£3.54	£2.95	951037

### Nicholson Double Ended Saw Files

For sharpening all saws with a 60° angle. The files have no tang; instead they are tapered at both ends and the teeth cut from each end towards the centre which makes this a double file. The cross sections range from 13/64" to 3/8" for sharpening dovetails to large handsaws. Made in Switzerland.

	Inc.vat	Ex.vat	Code
150mm	£5.94	£4.95	610300
175mm	£6.44	£5.37	610301
200mm	£6.95	£5.79	610302

### ProtecTool Wax Polish

ProtecTool wax is a soft-paste wax specifically for protecting steel and iron. It contains a unique blend of powerful contact corrosion inhibitors.

	Inc.vat	Ex.vat	Code
ProtecTool Wax Polish 100ml	£10.94	£9.12	211835





## Japanese 265 Kataba Crosscut Saw

The 265 Kataba is the Z Saw Company's top-notch general-purpose saw. Site saw sounds a little derogatory, but in essence, this saw performs a similar function albeit in the splendid Japanese fashion. It will cut solid wood, plywood, laminate, man-made sheet, plastics etc. It gives a fast cut, excellent for crosscutting larger section timber. The 265 features a rattan wrapped solid wood handle. The easy change blade fitting gives the benefits of rapid replacement of spare or alternative blades and with the blade removed, the saw fits into most toolboxes. Impulse hardened, diamond ground, sharp teeth gives you long-lasting performance. 265mm long blade. Overall length 595mm.

	Inc.vat	Ex.vat	Code
<b>265 Kataba Saw</b>	£26.94	£22.45	502400
<b>Spare Crosscut Blade</b>	£11.24	£9.37	502401
<b>Spare Universal Blade</b>	£11.24	£9.37	502402



## Japanese Hassunme Crosscut Saw

The tooth form of this crosscut saw leaves the most incredible finish on end grain, almost like a planed surface. Featuring a replaceable blade 0.5mm thick and 250mm long, this saw will produce cuts to be proud of. N.B. The blades are interchangeable between Hassunme saws.

	Inc.vat	Ex.vat	Code
<b>Hassunme Crosscut</b>	£34.25	£28.54	110039
<b>Replacement Crosscut Blade</b>	£16.94	£14.12	110040



## Japanese Hassunme Rip Saw

As well as having all the usual benefits of Japanese saws, the Hassunme saws also feature replaceable blades. Changing the blades could not be easier; gently tap the back of blade on a block of wood until the blade loosens, remove the old blade, insert a new one into the holder and tap the back of the holder on the block to seat the blade. The rip cut saw has a 0.5mm thick blade, 250mm long for effortless ripping of long boards.

	Inc.vat	Ex.vat	Code
<b>Hassunme Rip</b>	£35.45	£29.54	110041
<b>Replacement Blade</b>	£18.44	£15.37	110042



## Japanese Dozuki-Me Tenon Saw

For extremely precise and accurate cuts. The blade is supported along its back by a steel spine. Also available, in addition to a standard replacement blade, is a wide blade for deeper cuts. Both blades have 26tpi, are 240mm long and 0.3mm thick.

	Inc.vat	Ex.vat	Code
<b>Dozuki-Me</b>	£42.44	£35.37	110050
<b>Replacement Blade</b>	£23.94	£19.95	110051
<b>Replacement Wide Blade</b>	£26.94	£22.45	110052



## Japanese Cabinet Maker's Saws

When it comes to serious precision work on fine joints or box making, these professional quality Japanese saws are exceptional. Light in weight with an overall length of 325mm. With the exception of the Azebiki the blades are 120mm long. The Kataba has teeth ground for flush cutting, whilst the Mawashibiki has a very narrow blade for tight curves. The teeth of the Dozuki are rip-cut, with a kerf of only 0.2mm and a steel spine, this is the saw to use for precision dovetail cutting. Lastly are the double-sided saws, the Ryoba and the Azebiki, with rip teeth on one edge and crosscut on the other. The curved edge of the Azebiki allows you to start a cut in the middle of a workpiece.

	Inc.vat	Ex.vat	Code
<b>Azebiki 60mm</b>	£30.44	£25.37	502201
<b>Kataba 120mm</b>	£24.95	£20.79	502202
<b>Kugihiki 120mm</b>	£22.74	£18.95	502203
<b>Mawashibiki Compass Saw 120mm</b>	£19.44	£16.20	502204
<b>Rip Cut Dozuki 120mm</b>	£24.95	£20.79	502205
<b>Ryoba 120mm</b>	£27.14	£22.62	502206



## Japanese Small Dozuki Tenon Saw

This is a smaller version of the Dozuki has a 150mm long blade with 30mm depth of cut. The blade thickness is 0.3mm and the kerf 0.49mm, with its fine 18tpi it makes a handy saw for a range of small sawing tasks and close joints. A special pecker tooth at the tip allows you to start a cut in the middle of a panel. The overall length is 370mm.

	Inc.vat	Ex.vat	Code
<b>Dozuki</b>	£25.94	£21.62	110048
<b>Replacement Blade</b>	£12.44	£10.37	110049



## Japanese Kumagoro Universal Kataba Saw

Whereas most Japanese saws have either specific ripping style teeth or crosscut teeth, these Universal Kataba saws have a special tooth form that allows them to cut in both. A great benefit when used to make mitre cuts. Standard Kumagoro raffia wrapped wooden handles, replacement blades available.

	Inc.vat	Ex.vat	Code
<b>Saw 190mm</b>	£25.44	£21.20	200516
<b>Replacement Blade 190mm</b>	£15.74	£13.12	200517
<b>Saw 240mm</b>	£26.94	£22.45	200519
<b>Replacement Blade 240mm</b>	£16.44	£13.70	200520



## Japanese Professional Ryoba Saws

The blades of these particular saws are replaceable and are held securely in the wrapped handle by a simple screw. One edge has teeth for ripping, with smaller teeth near the handle to use when starting the cut. The other edge has crosscut teeth which produce a wonderfully clean cut surface. The centre of the blade is scraped to be thinner than the edges to prevent binding in a deep cut. Every blade is checked and hand finished before leaving the manufacturer. These saws are made for the professional Japanese market so there is no compromise on quality. Two sizes are available, the longer of the two having slightly coarser teeth.

	Inc.vat	Ex.vat	Code
<b>Saw 195m</b>	£82.94	£69.12	384037
<b>Saw 240mm</b>	£85.44	£71.20	384039
<b>Replacement Blade 195mm</b>	£65.94	£54.95	384038
<b>Replacement Blade 240mm</b>	£67.44	£56.20	384040



## Japanese Ikedame Dovetail Saw

This special small Japanese saw is only 340mm (13.1/2") long overall with a blade 150mm (6") long and 25mm deep. Its fine teeth (19tpi) and thin kerf (0.7mm) make it perfect for dovetail work. Cuts on the pull stroke, giving easier control when working to fine tolerances.

	Inc.vat	Ex.vat	Code
<b>Ikedame Saw</b>	£24.95	£20.79	510014



# Japanese Saws



## Japanese Extra Fine Gent's Saws

A true Gent's saw is a small dovetail saw, with a straight turned handle. Intended for joints in cabinetwork, they also have uses for modellers, musical instrument makers, dolls house makers etc. These Japanese examples feature rip teeth and cut on the pull stroke, offering you the best of both worlds. These saws require no set, both are 28tpi. The 120mm long blade has a kerf of 0.2mm the 160mm blade has 0.3mm kerf. Fine saws for fine work.

	Inc.vat	Ex.vat	Code
120mm x 28tpi	<b>£24.95</b>	£20.79	502227
160mm x 28tpi	<b>£23.94</b>	£19.95	502228



## Japanese Super Fine Saw

This is a saw for workers in wood where precision is paramount, such as musical instrument makers. A unique example of a Japanese saw, it has a kerf of only 0.16mm. The blade is 55mm (2.1/8") long and 15mm deep with extremely fine teeth at 42tpi. It cuts on the pull stroke, giving better control when working with such a fine blade. The teeth have no set. It is 185mm (7.1/4") long overall.

	Inc.vat	Ex.vat	Code
55mm x 42tpi	<b>£33.95</b>	£28.29	502226



## Japanese Keyhole Saw

One problem always encountered when using western keyhole or pad saws is their tendency to buckle in use, usually resulting in a permanently bent and useless blade. However, cut on the pull stroke and this problem completely disappears. No more trips to the swear box! Blade length 190mm(7.1/2"), 300mm(12") overall.

	Inc.vat	Ex.vat	Code
Keyhole Saw	£14.45	£12.04	510012



## Japanese Trim Saw

A smaller version of the keyhole saw with a very fine toothed narrow blade. Overall length 225mm(9") with a 115mm(4.1/2") blade. Use as a keyhole saw or for any fine detail trimming.

	Inc.vat	Ex.vat	Code
Trim Saw	£17.94	£14.95	510013

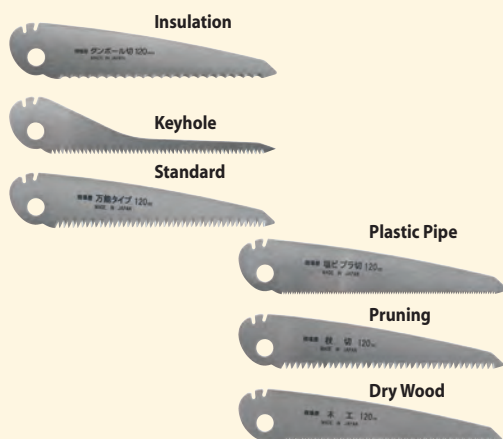
TOOLS FROM  
**Japan**



## Japanese Folding Pocket Saw

This small folding saw fits in your pocket. The steel handle is fitted with a tough non-slip grip. There are two positions on the locking mechanism, normal or flush cut. To change a blade, simply loosen the locking screw, using a coin. Impulse hardening of the blades ensures a long life for the cutting edge. Japanese style teeth give a fast, smooth action leaving a clean result. A large range of optional blades is available; whatever your trade there is a blade for you. Neat and portable, this is a quality tool for any tradesperson, woodworker or plumber, or when gardening, camping or hiking in the rainforest. The saw comes with a pruning/wood cutting blade, length 120mm, overall length 275mm.

	Inc.vat	Ex.vat	Code
Folding Pocket Saw	£18.44	£15.37	502238



## Blades for Japanese Folding Pocket Saw

These blades feature impulse-hardened cutting edges for maximum durability. The toothed blades have Japanese style teeth giving a fast, smooth action and leaving a clean result. The range includes blades for cutting insulation or cardboard and one for plastic pipe cutting. There are blades for fine pruning, dry wood, and a keyhole or curve cutting blade as well as replacement general purpose blades. All the blades are 120mm long. Whatever your trade, there is a blade for you.

	Inc.vat	Ex.vat	Code
Wavy Edge Insulation/cardboard	<b>£9.44</b>	£7.87	502239
12tpi Keyhole/curve cutting	<b>£9.44</b>	£7.87	502240
10tpi Pruning/General purpose	<b>£9.44</b>	£7.87	502241
22tpi Plastic pipe	<b>£9.44</b>	£7.87	502242
9tpi Fine pruning	<b>£9.44</b>	£7.87	502243
14tpi Dry Wood	<b>£9.44</b>	£7.87	502244



## Japanese Saw Case

Internally this saw case measures 760mm, the lower portion has fitted dividers to keep the blades of your saws separate. The dividers allow up to four Japanese saws to be stored safely. Externally the case has an adjustable shoulder strap and a hanging loop. There is the ubiquitous pocket for a mobile phone as well as a 275mm deep additional pocket. Made from tough, closely woven nylon, the saw case features leatherette reinforcement on its lower edges. Whilst this item's primary design is for Japanese saws, it can be just as useful for protecting other similar sized tools. Size 770 x 135 x 65mm, made in Japan.

	Inc.vat	Ex.vat	Code
Saw Case	£17.24	£14.37	502253

# Coping & Fretsaws

TOOLS FROM  
**Japan**



## Japanese Free-Way Coping Saw

The Free-Way saw is a quality tool, made and designed with attention to detail. The frame puts the correct amount of tension on the blade and the clamps will take standard coping saw blades. The spiral blades fitted in this coping saw work in the same way as a standard coping saw. However, the spiral-tooth saw blade allows you to make cuts in any direction without turning the saw. The case hardened saw blades are highly resistant to breakage and wear. Each saw comes with two spiral blades. Diamond coated blades are available for cutting ceramics and other hard materials. The maximum cutting depth is 130mm and the blade diameter 1mm.

	Inc.vat	Ex.vat	Code
Free-Way Coping Saw	£13.74	£11.45	502229

## Japanese Free-Way Coping Saw Blades

Suitable only for the Free-Way coping saw, these blades are available in packs of two. The standard spiral blade is case hardened for resistance to wear and breakage; it has a diameter of 1mm. The diamond-coated blades will cut ceramics and similar materials, ideal for tilers.

	Inc.vat	Ex.vat	Code
Standard Spiral Coping Saw Blade	£5.24	£4.37	502230
Diamond Coated Coping Saw Blade	£13.74	£11.45	502231



## Axminster Coping Saw

The deep frame and narrow blade of the coping saw allows fine curved cuts to be made in a whole variety of materials. The blades, 14tpi and with minimal set, are secured with pins and can be rotated for access into awkward spots.

	Inc.vat	Ex.vat	Code
Saw	£4.55	£3.79	325001



## Bahco 301 Coping Saw

A 165mm general purpose coping saw suitable for wood, glass, tiles, metal etc. with wooden handle and chrome plated steel frame. Easily replaceable blade can be set to various angles.

	Inc.vat	Ex.vat	Code
Saw	£12.44	£10.37	401384

## Pegas Coping Saw Blades

Coping saw blades to fit Bahco 301, Axminster and most other coping saw frames. These precision Swiss made blades are suitable for cutting wood, plastics and some non-ferrous metals. Available in regular 15tpi or fast cutting skip tooth 18tpi, 160mm pin to pin. 6 blades per pack.

	Inc.vat	Ex.vat	Code
Coping Blades Regular (Pkt 6)	£2.75	£2.29	502329
Coping Blades Skip (Pkt 6)	£2.75	£2.29	502330



## Bahco Fretsaw

A general purpose fretsaw suitable for wood, metal and plastics with wooden handle and chrome plated steel frame. Easily replaceable blade. Deep throat (300mm) for access to wide sheet material. Will accept a standard 130mm fretsaw blade.



	Inc.vat	Ex.vat	Code
Fretsaw	£12.24	£10.20	413349

## Axminster Fretsaw

This fretsaw has a sprung steel frame which tensions the blade and a wooden handle. It will cut wood, metal or plastics with a suitable blade. The throat depth is 295mm for deep access in sheet material. The blades are easy to change using plated wing screws with square nuts, ensuring the blade is securely clamped.



	Inc.vat	Ex.vat	Code
Fretsaw	£6.54	£5.45	950971

## Axminster Fixed Frame Piercing Saw

Used by jewellers, clockmakers and similar skilled craftsmen for very fine work in wood and soft metals. Solid fixed frame with painted hardwood handle.



	Inc.vat	Ex.vat	Code
Saw	£3.24	£2.70	910406



## Axminster Adjustable Piercing Saws

Two wooden handled adjustable piercing saws one with a 70mm throat and the other at 150mm, blade not supplied.

	Inc.vat	Ex.vat	Code
70mm Throat	£4.74	£3.95	200255
150mm Throat	£13.74	£11.45	200256



## Vallorbe Adjustable Jeweller's Saw

This jeweller's or piercing saw takes fine blades for precise detail cutting of metal and other materials. The frame has thumbscrew clamps at either end to hold the blade. The bow is adjustable in length to take blades of differing lengths and make full use of broken blades. This feature also applies tension to the blade. Blades should be fitted with the teeth pointing towards the handle. Run the blade through beeswax to lubricate the cut.



	Inc.vat	Ex.vat	Code
Adjustable Jeweller's Saw	£19.44	£16.20	952888

## Pegas Fret & Piercing Saw Blades

Blades to fit fretsaw or piercing saw frames (all 130mm long), for a wide variety of materials. Supplied in packs of 12.



	Inc.vat	Ex.vat	Code
Wood Cutting Blade 2/0 - 28tpi (Pkt 12)	£2.45	£2.04	502288
Wood Cutting Blade 1 - 23tpi (Pkt 12)	£2.45	£2.04	502290
Wood Cutting Blade 3 - 19tpi (Pkt 12)	£2.45	£2.04	502292
Wood Cutting Blade 7 - 15tpi (Pkt 12)	£2.64	£2.20	502296
Spiral Blade 2/0 - 56tpi (Pkt 12)	£3.65	£3.04	502316
Spiral Blade 2 - 45tpi (Pkt 12)	£3.65	£3.04	502318
Spiral Blade 4 - 38tpi (Pkt 12)	£3.65	£3.04	502320
Metal Cutting Blades 3/0 - 59tpi (Pkt 12)	£3.74	£3.12	502324
Metal Cutting Blades 3 - 40tpi (Pkt 12)	£3.74	£3.12	502326
Metal Cutting Blades 5 - 35tpi (Pkt 12)	£3.74	£3.12	502327

## Japanese Kugihiki Flushcut Saw

The Kugihiki Noko or flush cutting saw allows the cutting of dowels, through tenons or excess trimming of plugs without marking the surrounding surface. The teeth of this special tool have no set so the blade can cut right at the surface without disfiguring it. The saw's great flexibility also permits it access into hitherto unreachable tight spots. The blade is 125mm long with 24tpi for use both left and right handed. Fitted with a traditional wooden handle. Blade thickness 0.20mm.



	Inc.vat	Ex.vat	Code
125mm x 24tpi	£26.45	£22.04	300326

## Axcaliber FineLine Gent's Saw

This FineLine precision Gent's saw is made to the same exacting standard as the rest of the range. The 45mm deep blade will tackle small jointing jobs as well as being ideal for cutting picture frames, beads, etc with ease. It's a good saw to use in a small mitre box. The blade is fitted securely into a comfort grip handle, the length is 250mm with fine 15tpi induction hardened teeth.

	Inc.vat	Ex.vat	Code
250mm	£8.94	£7.45	210213



# Specialist Saws

## Veritas Gent's Saws

Sharing the same, advanced materials as the Veritas dovetail and carcass saws, these Gent's saws have 200mm long high-carbon steel blades just 0.4mm thick with 0.08mm of teeth set per side. The 20tpi rip saw has teeth with a 14° rake angle and a 60° included angle. The teeth on the 22tpi crosscut saw have a rake angle of 15°, an included angle of 60° and alternating 15° bevel angles so that they sever rather than tear wood fibres. Both saws have a cut depth of 41mm. For strength and rigidity, the glass and stainless steel-fitted polymer spine is moulded over the blade and handle stud. A brass nut secures the Bubinga handle to the blade. Made in Canada.

	Inc.vat	Ex.vat	Code
Rip Cut 20tpi	£54.95	£45.79	952907
Crosscut 22tpi	£54.95	£45.79	952908



## Victor Reversible Gent's Saw

This variation on the gent's saw with its 44mm deep fine 20tpi cut blade has a handle which can be swivelled and locked in either the left or right-hand positions. The blade is cranked in such a way that it can cut virtually flush without the frame getting in the way, a very useful feature indeed.

	Inc.vat	Ex.vat	Code
250mm x 20tpi	£17.94	£14.95	910302



## Veritas Flush Cutting Saws

Traditionally used for the rapid trimming of plugs and dowels flush with a surface, these flush cutting saws can be used where you want to cut off a projection without damaging the surrounding or adjoining face. The Japanese tooth pattern blade cuts aggressively (on the pull stroke), but does not mark the surface that it is cutting next to. The thin blade is flexible and can be pressed flush to any surface, yet is rigid enough for good control. The saw is available in a double edged style with the teeth set in one direction (use with set upwards) and a single edged version which has no set so can cut from the left or right. Each is about 290mm long with 120mm of blade. These work like a charm.

	Inc.vat	Ex.vat	Code
Double Edge 22tpi	£24.95	£20.79	475855
Single Edge 26tpi	£20.94	£17.45	504598

## Victor Gent's Saws

Victor Gent's saws are manufactured from top quality materials and with the same care as the rest of the Victor range. The 44mm deep blade is sufficient to tackle small jointing jobs as well as cutting frames and beadings, the fine kerf and 19tpi blade gives an excellent finish to the work. The blade tang fits into a rosewood coloured handle. Available in four blade lengths.

	Inc.vat	Ex.vat	Code
100mm x 19tpi	£11.45	£9.54	910273
150mm x 19tpi	£13.74	£11.45	910274
200mm x 19tpi	£14.45	£12.04	910275
250mm x 19tpi	£16.94	£14.12	910272





## Specialist Saws



### Victor Jeweller's Saw

This is a superb example of a precision backed saw. The 20mm (1") deep by 150mm (6") long blade, a mere 10 thousandths of an inch thick, has 22tpi, virtually no set and is intended for very fine cutting in delicate materials. Rosewood coloured handle and brass backed like the rest of the Victor range.

	Inc.vat	Ex.vat	Code
150mm x 22tpi	£12.44	£10.37	910295



### Victor Razor Saw

A superb example of a precision brass backed saw. The 20mm deep by 150mm long blade is a mere 10 thousandths of an inch thick and has 40 teeth per inch, perfect for the finest of cutting work in delicate materials.

	Inc.vat	Ex.vat	Code
150mm x 40tpi	£12.95	£10.79	910304



### Traditional Pad Saw

This traditional pad saw consists of a beech saw handle with brass ferrule and one blade. The length of the blade protruding from the handle can be adjusted and clamping is by means of two machine screws.

	Inc.vat	Ex.vat	Code
Pad Saw	£9.95	£8.29	500086
Replacement Blade 250mm	£1.94	£1.62	810113



### Axcaliber FineLine Compass Saw

This FineLine saw features a narrow stiff blade, with teeth that cut on the pull stroke to enable you to cut curves in sheet material, easily and without frustration. A comfortable pistol grip gives you great control. Hardpoint toothing, at 11tpi.

	Inc.vat	Ex.vat	Code
300mm x 11tpi	£9.44	£7.87	210212



### Axminster FineLine Floorboard Saw

This saw has hard point teeth for long life. The blade is 300mm (12") with a second row of teeth along the curved end to enable a cut to be started in a floorboard. Once you have broken through then you can use the normal edge to continue the cut. The straight tooth line is 11tpi with FineLine tooth form, useful for cutting laminate flooring, thin plywood, wood, PVC pipe, coving etc.

	Inc.vat	Ex.vat	Code
300mm x 11tpi	£9.44	£7.87	210214



### Stanley FatMax Multi Saw

The FatMax Multi Saw is a great choice for getting a job done quickly and easily. This tough handle turns a standard hacksaw blade or virtually any reciprocating/sabre saw blade into a handy hand saw. A quick look at the range of reciprocating blades available will give you some idea of this tool's useful potential. The rubberised handle gives a secure grip. Blades are securely held with a large knurled screw and ribbed clamping plate. Supplied with a 24tpi metal hacksaw blade and 11tpi wood saw blade.

	Inc.vat	Ex.vat	Code
Multi Saw	£7.25	£6.04	210978

## Hacksaws



### Axminster Mini Hacksaw

The Mini Hacksaw has been developed to cope with all types of small sawing applications. It has a compact yet lightweight frame and a much improved, moulded handle with comfortable grip. The blade tensioning device locks in place when the correct tension has been reached. Accepts all junior hacksaw blades. Supplied with one standard 32tpi blade.

	Inc.vat	Ex.vat	Code
Mini Hacksaw	£2.15	£1.79	510339
Blades (Pkt 10)	£3.74	£3.12	410867



Hi-access hacksaw



Uses standard sabre saw blades



### Nicholson 4 in 1 Hacksaw

Cast aluminium construction for durability. Cushion grips at each end for comfort and safety. The Nicholson Professional 4 in 1 Hacksaw Frame is a high quality, lightweight high tension hacksaw frame designed for the professional and serious user that offers four different cutting options for greater flexibility. When you're working away from the workshop this represents true value. It is hard to get excited about a hacksaw, but the Nicholson four functions is different and worth a look. With the far end folded back into the frame the blade can be mounted diagonally forming a high access hacksaw for cutting in restricted areas. Last but by no means least the design allows you to fit a sabre saw blade to the end of the frame, limiting cutting potential only to the variety of sabre saw blades in your possession. There is storage for two to three blades in the frame. 300mm blade.

	Inc.vat	Ex.vat	Code
4 in 1 Hacksaw	£37.94	£31.62	702345



### Bahco 306 Hacksaw Frame

A strong and lightweight hacksaw frame designed to accept either 250mm (10in) or 300mm (12in) hacksaw blades.

	Inc.vat	Ex.vat	Code
306 Hacksaw Frame	£9.95	£8.29	117798



### Bahco 208 Mini Hacksaw

Very rugged, well made die cast aluminium frame suitable for use with broken blades. Designed for sawing in restricted spaces. Supplied with 250mm (10") blade.

	Inc.vat	Ex.vat	Code
Mini Hacksaw	£10.94	£9.12	810325



### Axminster Junior Hacksaw

Certainly an item no tool box should be without. The Junior Hacksaw features improved blade holders which avoid the protrusion of blade ends from the frame. Chrome finish.

	Inc.vat	Ex.vat	Code
Junior Hacksaw	£1.94	£1.62	500338
Blades (Pkt 10)	£3.74	£3.12	410867

## Accessories



### Bahco Sandflex H.S.S. Hacksaws Blades

The Sandflex blade is virtually unbreakable and combines high cutting power with the exceptional wear resistance of M2 high-speed steel. The blades have a degree of flexibility, which is vastly superior to that of ordinary edge hardened or conventional flexible blades. They are suitable for all types of metal sawing, and the preferred choice in our own engineering workshops.

	Inc.vat	Ex.vat	Code
300mm x 18tpi (each)	£1.44	£1.20	810333
300mm x 24tpi (each)	£1.44	£1.20	810334
300mm x 32tpi (each)	£1.44	£1.20	810335



### Tungsten Carbide Coated Hacksaw Blades

These two blades, one a flat blade and the other a coated rod, are used for fast and accurate cutting of ceramics, glass, tiles, etc. The flat blade, 910292, is 20mm wide and the rod, 910291, is about 3.0mm diameter; both have holes for direct fitting into a standard 300mm (12") hacksaw frame.

	Inc.vat	Ex.vat	Code
Grit Edge Hacksaw Blade 300mm	£5.75	£4.79	910292
Carbide Rod Blade 300mm	£5.24	£4.37	910291

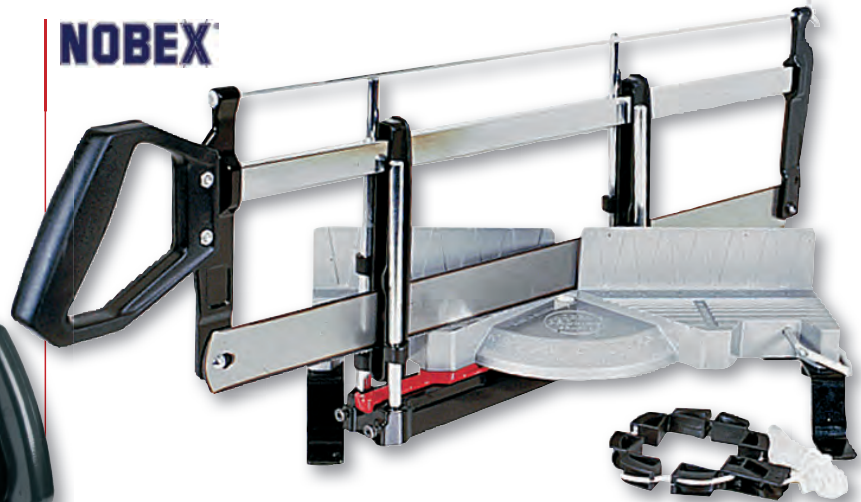


## Axminster 560 Mitre Saw

A first rate mitre saw which is accurate, well built and versatile in use. The saw has locking stops at 15°, 22.5°, 30°, 36°, 45° and 90° and it can also be set at other angles in between. A work clamp is provided and the saw can easily be removed from its support pillars and used freehand.

	Inc.vat	Ex.vat	Code
560 Mitre Saw	£25.44	£21.20	340113
14tpi General Purpose Blade	£5.24	£4.37	340114
18tpi Fine Wood/Plastic Blade	£5.24	£4.37	340115
24tpi Non-Ferrous Blade	£5.94	£4.95	340116

**NOBEX**



## Nobex Proman Mitre Saw

Renowned throughout the world for their quality and accuracy, Nobex mitre saws have become the standard by which others are judged. The Proman is a good general purpose saw with applications in wood and metal working and, in particular, picture framing. Features include pre-set popular angles and location grooves on the table surface for cutting compound angles, a fast-action work clamp which operates on angled as well as straight surfaces, a length stop and a clip to hold the saw clear of the table whilst the work is positioned. A cord type picture frame clamp and an 18tpi blade are also included. Made in Sweden.

	Inc.vat	Ex.vat	Code
Mitre Saw	£79.94	£66.62	800383
12tpi Fast Wood Cut	£11.15	£9.29	610305
18tpi Wood/Plastic/Plaster	£11.15	£9.29	610304
24tpi Picture Framing Blade	£11.15	£9.29	610306
32tpi Non-Ferrous	£11.15	£9.29	610307



## Axminster Compound Mitre Saw

A very useful mitre saw which can be used for cutting mitres and bevels as well as compound angles. There are pre-set stops for setting both mitre and bevel angles of 15°, 22.5°, 30°, 36°, 45° and 90° and intermediate mitre angles can also be selected. A work clamp and repeat length stop are provided as well as a base board for added stability. The blade provided with the saw has 14 teeth per inch, suitable for wood cutting, and there are also two finer blades available.

	Inc.vat	Ex.vat	Code
Compound Mitre Saw	£33.95	£28.29	244001
14tpi Blade	£6.24	£5.20	340120
18tpi Blade	£6.24	£5.20	340121
24tpi Blade	£8.24	£6.87	340122



## Nobex Champion Mitre Saw

The Nobex Champion has the biggest capacities of any mitre saw - up to 180mm in depth and 125mm at 45°. Accurate to 0.08 of a degree. Features include indexable mitre angle setting, grooves on the table surface for cutting compound angles, a fast-action work clamp which operates on angled as well as straight surfaces, a repeat length stop, an adjustable depth stop and a device for holding the saw clear of the table whilst the work is positioned. Included is a rear fence extender which gives improved support to tall workpieces.

A genuine professional's tool, definitely worth the expenditure being supplied with an 18tpi blade. Swedish made.

	Inc.vat	Ex.vat	Code
Mitre Saw	£139.94	£116.62	610314
10tpi Fast Cut Wood Blade	£12.14	£10.12	610313
18tpi General Wood Blade	£12.14	£10.12	610309
24tpi Picture Framing Blade	£12.14	£10.12	610310
32tpi Non-ferrous Blade	£12.14	£10.12	610312
16tpi Japanese Tooth Blade (Ikeda)	£40.94	£34.12	474870

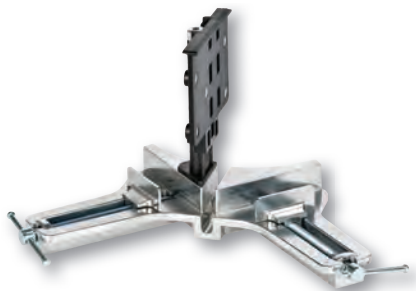
### Comparison Chart - Mitre Saws

Model	APTC 560	Proman	244001	Champion
Blade Length	560mm	565mm	600mm	630mm
Blade Width	40mm	40mm	45mm	45mm
Table Size	360 x 78mm	350 x 74mm	360 x 78mm	500 x 125mm
Max Cutting Height	110mm	110mm	150mm	180mm
Max Cap @ 45	80mm	100mm	82mm	125mm
Max Cap @ 90	130mm	160mm	180mm	200mm

**\*SAVE with a bulk discount** – see online [axminster.co.uk](http://axminster.co.uk) or call 03332 406406



# Mitre Boxes & Saws



## Axminster Picture Framer's Mitre Cutting Guide

This small guide consists of an alloy mitre clamp, fitted with a magnetic saw guide. Used in conjunction with a fine backless saw, perfect 45° cuts, left or right, are guaranteed every time. Once the joint is cut the guide can be removed and the clamp used to hold the joint firmly in position whilst either the glue dries or a pin is driven home. Timber capacity is 16mm deep and 75mm wide.

	Inc.vat	Ex.vat	Code
Mitre Cutting Guide	£10.96	£9.13	718688



## Nobex 505 Magnetic Saw Guide

Simplicity itself, you just can't go wrong. The saw is held in place against the head by three magnets. The head can be set to 45°, 90° or 135° using the pre-set stops or at any chosen angle in between. There are two lugs on the body to locate the guide against the face edge of the timber to be cut. The body of the guide is held in one hand whilst the saw is drawn back and forth by the other; what could be easier? The saw stays perfectly aligned with no need even to mark the timber. Made in Sweden.

	Inc.vat	Ex.vat	Code
Saw Guide	£23.45	£19.54	610308



## Veritas Magnetic Saw Guides

This anodised aluminium guide helps keep your saw on the right track and perpendicular to a workpiece. It provides a registration surface about 32mm tall. It is particularly useful when crosscutting tenon shoulders or the edges of a dado, which is where you want your saw to cut straight and true. You can hold the guide onto your workpiece with a hand or secure it with clamps. The machined reference surface has three embedded magnets and a covering of UHMW low friction material. The magnets help keep your saw in contact with the guide while the pad allows it to glide along the reference face. The bottom of the guide has two high friction strips to resist slipping on a surface. It also has a T-slot to accept a pair of 50mm capacity clamps (optional accessory). The guide is available in 200 or 350mm lengths. Made in Canada.

	Inc.vat	Ex.vat	Code
Magnetic Saw Guide 200mm	£30.44	£25.37	952955
Magnetic Saw Guide 350mm	£38.94	£32.45	952956
Saw Guide Clamps (Pair)	£44.94	£37.45	952957

Veritas

## Veritas Right-Angle Saw Guide

Manufactured using precision machined aluminium extrusion with brass fittings. The reference surface is embedded with a 19mm rare earth magnet and covered with a low friction UHMW pad. The magnets keep the saw aligned; the pads allow the saw to slide easily against the reference surface. The clamp can accommodate material from 6mm to 25mm thick. The guide can be used with virtually any backless saw, however the Veritas dovetail saw is specifically designed for the job; with a 50 x 215mm, 22tpi blade, effective in both cross and rip cuts.

	Inc.vat	Ex.vat	Code
Right-Angle Saw Guide	£44.94	£37.45	202387

Veritas

## Veritas Dovetail Saw Guide System

The Veritas dovetail guide clamps in position and holds the saw at the correct place and angle (1:8) for a perfect cut. Rare-earth magnets are embedded in the anodized aluminum guide and are covered with a layer of Low-friction UHMW plastic to keep the saw perfectly aligned as you cut. You still have to chop out waste from the tails and pins, but the detailed instructions give you tips on how to do this quickly and accurately. The Clamping capacity of the guide covers material from 6 to 25mm (1/4" to 1") thick. The guide can be used with any backless saw that has approximately 0.005" of tooth set, but works best with the Veritas dovetail saw that has been designed specifically for it. The 50 x 215mm (2" x 8 1/2") blade has 22 tpi and 0.127mm of tooth set. The dozuki tooth form is effective in both crosscuts and rip cuts.

	Inc.vat	Ex.vat	Code
Guide With Saw 1:8	£64.96	£54.13	717028

Veritas

## Veritas Dovetail Saw Guides

The Veritas dovetail guides, which clamp in position, hold the saw at the correct place and angle for a perfect cut. Rare earth magnets embedded in the anodised aluminum guide and covered with a layer of low friction UHMW plastic keep the saw perfectly aligned as you cut. The clamping capacity of the guides covers material from 6 to 25mm (1/4" to 1") thick. They come in the traditional ratios of 1:8 and 1:4 (equivalent to 1:4). The guides can be used with any backless saw that has approximately 0.005" of tooth set, but work best with the Veritas dovetail saw that has been designed specifically for them.

	Inc.vat	Ex.vat	Code
1:8 Ratio Saw Guide	£47.94	£39.95	202378

Veritas

## Veritas Dovetail Saw for Saw Guides

Although the Veritas Dovetail Guides can be used with any backless saw that has approximately 0.005" of tooth set, they work best with the Veritas dovetail saw that has been designed specifically for them. The 50 x 215mm (2" x 8 1/2") blade has 22tpi and 0.127mm of tooth set. The dozuki tooth form is effective in both crosscuts and rip cuts.

	Inc.vat	Ex.vat	Code
Dovetail Saw Only	£22.25	£18.54	202379

# Mitre Trimmers



## Axcaliber MT1 Mitre Trimmer

Whether you are a picture framer, a carpenter or a cabinetmaker the need for accurate mitres is paramount. This heavy-duty trimmer is a substantial piece of machined cast iron, with razor sharp, tool steel blades. Using a long lever with a rack and pinion mechanism, it enables you to trim off fine shavings for the most precise fit. Its shearing action results in an incredible glass-like finish even on soft wood end grain. Look on it as a type of specialist plane, whose purpose is to produce precision mitres. There is no exaggeration as to the level of precision you can achieve with this machine. You are guaranteed precise mitres every time.

Each fence has two adjustable cam stops, one at 0° and one at 45°. The fences are also lockable at any intermediate angle. This trimmer can easily handle picture frames, dado rails, mouldings and more. The maximum size it will handle is 100mm (4") high by about 150mm (6") wide at 90° or 98mm wide at 45°.

The optional Top Trim accessory allows you to trim mouldings with hollowed, tapered or curved outside edges. This attachment presents the moulding to the blade at an angle of 45° to the vertical rather than the horizontal, allowing mitres to be trimmed on curved, hollow or difficult to hold mouldings. The maximum width the Top Trim can handle is 65mm and there is only one angle option, 45°. The other optional accessory is the Cut Length attachment allowing you to perform repeat cuts to the exact same length up to a maximum of 735mm (29") long.

## Cut Length Attachment for Mitre Trimmer

The cut length attachment is 736mm (29") long with an arm for each side of the trimmer and a length stop. It enables repeat cutting to precise length to be carried out.

## Top Trim Attachment for Mitre Trimmer

The top trim attachment enables the section to be presented to the blade at an angle of 45° to the vertical rather than the horizontal (see picture); this allows mitres to be trimmed on curved, hollow or difficult to hold mouldings. The maximum section width that can be used with the top trim is 65mm and there is only one angle option, 45°.

	Inc.vat	Ex.vat	Code
MT1 Mitre Trimmer	£159.95	£133.29	951813
Top Trim Attachment	£23.94	£19.95	610092
Cut Length Attachment	£35.75	£29.79	610089



## Picture Framing Kit

Housed in a custom made carrying case this kit contains everything you will need to make perfect picture frames from scratch. There is a fine 14tpi saw, a combined saw guide and corner clamp, special tool for installing Vee nails (the Vee nails also fit Pushmaster), a flex tab tool, a G clamp and a collection of gadgets for assembling the frames and for fixing the finished picture to the wall. The kit has been thoroughly developed and tested and is very well presented in its compartmented case. You will be pleased to hear that it comes with a very well illustrated instruction sheet!

	Inc.vat	Ex.vat	Code
<b>Framing Kit</b>	<b>£34.44</b>	<b>£28.70</b>	<b>252007</b>
<b>Tabs/Points (Pkt 160)</b>	<b>£3.65</b>	<b>£3.04</b>	<b>252008</b>
<b>7mm Vee Nails (Pkt 200)</b>	<b>£6.44</b>	<b>£5.37</b>	<b>252009</b>
<b>10mm Vee Nails (Pkt 100)</b>	<b>£6.74</b>	<b>£5.62</b>	<b>252010</b>
<b>Pack of 8 Swivel Hangers &amp; Screws</b>	<b>£1.55</b>	<b>£1.29</b>	<b>951732</b>
<b>Picture Hanging Wire 1mm x 4.6m</b>	<b>£1.34</b>	<b>£1.12</b>	<b>951734</b>



## Picture Framer's/ Glazier's Hammer

Anyone who has framed pictures or re-glazed windows knows that driving brads or glazing points is tricky. The best method is to use a driving head that slides on the glass or picture backing. This hammer's hardened stainless-steel head has a rotating triangular face opposing a standard cylindrical face. As you rest the hammer head on the glass, one of the triangular faces flattens against the glass. This makes it easy to drive pins, brads or points, as you can hold the handle at any angle. Use the round face for pinning corners or flattening glazing points or for general work. Weighs 130g and is 270mm long.

	Inc.vat	Ex.vat	Code
<b>Picture Framer's/Glazier's Hammer</b>	<b>£34.94</b>	<b>£29.12</b>	<b>952990</b>

## Axminster Vee Nail Insertion Tool

This vee nail insertion tool will help produce a strong professional looking frame for very little outlay. If you need to occasionally frame a picture on the kitchen table or have to do a small run now and again in an art and design workshop. This tool will prove itself invaluable. A magnet holds the vee nail whilst the tool is aligned, then a short blow from a hammer completes the job. **Supplied with 100 each of both 7mm and 10mm vee nails.**

	Inc.vat	Ex.vat	Code
<b>Vee Nail Insertion Tool</b>	<b>£11.45</b>	<b>£9.54</b>	<b>951727</b>

## Axminster Frame Point Insertion Tool

This hand tool is used to simply push a small flex tab into a picture frame in order to hold the glass/picture/backing board in place. It can also be used to hold a small pane of glass in a window frame prior to putting in. **Pack includes 80 flex tabs.**

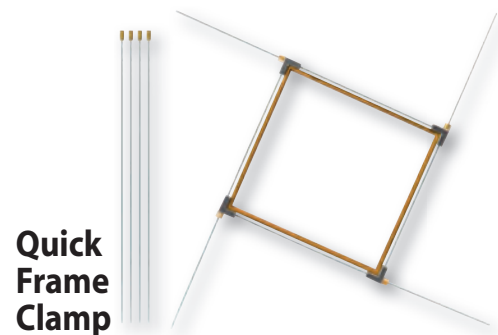
	Inc.vat	Ex.vat	Code
<b>Insertion Tool</b>	<b>£6.74</b>	<b>£5.62</b>	<b>951735</b>
<b>Tabs/Points (Pkt 160)</b>	<b>£3.65</b>	<b>£3.04</b>	<b>252008</b>



## Veritas 4-Way Speed Clamp

The fastest adjusting frame clamp on the market. Completely knurled for good grip, the speed-clamping nuts are designed to let you make fast adjustments, yet hold securely when you tighten them. They are cross drilled to slide easily on the rods until they come up against a corner clamp; then their threads engage. To release them, you just have to back them off a turn or two and they are then free sliding again. The speed clamp includes four corners (strong, glass-filled nylon with brass inserts), four speed clamping nuts and four 1/4" UNC threaded rods that will clamp up to 585mm (23") square. To increase clamping capacity to 1,120mm (44") square or 1,650mm (65") by 585mm (23") rectangle, an extension set is included; it contains four 1/4" UNC threaded rods and four coupling nuts. The rods and coupling nuts have a black-oxide finish. Made in Canada.

	Inc.vat	Ex.vat	Code
<b>4-Way Clamp</b>	<b>£34.94</b>	<b>£29.12</b>	<b>475309</b>



## Quick Frame Clamp

Comprises eight 610mm lengths of threaded rod, and four of each corner blocks, quick nuts and coupling nuts. Once assembled (two minutes tops) the clamp is capable of handling frames up to 1,200mm square. Rectangular or square, the quick nuts allow adjustments and tightening to be done in seconds. The corner blocks ensure that the frame is clamped squarely and securely every time.

	Inc.vat	Ex.vat	Code
<b>Frame Clamp</b>	<b>£14.94</b>	<b>£12.45</b>	<b>310079</b>

## NOBEX



## Nobex Framing Cord Clamp

Can be used for picture framing. Each corner that the cord passes through is tough, yet flexible plastic. The larger corner has a cleat to lock it absolutely tight and is quick and easy to use. Includes 2.5m of nylon cord for a good size frame and 4 or 8 unique flexible corners.

	Inc.vat	Ex.vat	Code
<b>Cord Clamp - (4 Corners)</b>	<b>£5.75</b>	<b>£4.79</b>	<b>477119</b>
<b>Framing Cord Clamp (8 corners)</b>	<b>£8.24</b>	<b>£6.87</b>	<b>476662</b>



## Axminster Measuring & Cutting Scales

Aluminium straight edge 50mm wide for use on all types of cutting work. A large raised handle not only keeps valuable finger tips out of the way but allows pressure to be brought to bear without the risk of slippage halfway through a cut. Graduated in millimetres.

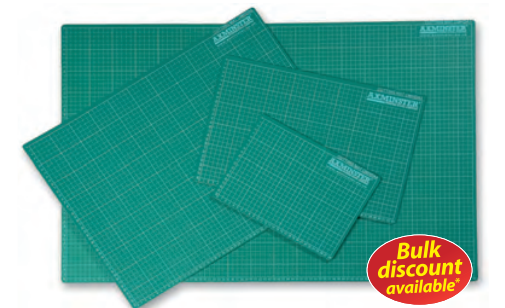
	Inc.vat	Ex.vat	Code
<b>600mm</b>	<b>£10.94</b>	<b>£9.12</b>	<b>510227</b>
<b>1,000mm</b>	<b>£14.94</b>	<b>£12.45</b>	<b>510225</b>



## Axminster Mount Cutter

The Axminster Mount Cutter features two blades and combines 90° and 45° cutting operations in the same tool. Both blades are retractable for safety's sake. The cutter can be used in conjunction with any good quality straight edge. The cutter is supplied with five blades.

	Inc.vat	Ex.vat	Code
<b>90° &amp; 45° Cutter</b>	<b>£7.44</b>	<b>£6.20</b>	<b>423003</b>
<b>Blades (Pkt 5)</b>	<b>£3.05</b>	<b>£2.54</b>	<b>423004</b>
<b>Aluminium Rule 600mm</b>	<b>£7.74</b>	<b>£6.45</b>	<b>423001</b>
<b>Aluminium Rule 1,000mm</b>	<b>£11.45</b>	<b>£9.54</b>	<b>423002</b>



## Axminster Cutting Mats

A range of heavy duty cutting mats made of multi layer PVC 3mm thick which gives a protective surface when cutting almost any material. They not only protect the surface of a bench, kitchen table or desk from damage but make knife blades last that little bit longer. Great for use with cutting scales, mount cutters or, in fact, anywhere craft knives are used.

	Inc.vat	Ex.vat	Code
<b>A1 Mat (594 x 841mm)</b>	<b>£16.44</b>	<b>£13.70</b>	<b>400290</b>
<b>A2 Mat (420 x 594mm)</b>	<b>£9.24</b>	<b>£7.70</b>	<b>400291</b>
<b>A3 Mat (297 x 420mm)</b>	<b>£5.45</b>	<b>£4.54</b>	<b>400292</b>
<b>A4 Mat (210 x 297mm)</b>	<b>£3.24</b>	<b>£2.70</b>	<b>400293</b>

## Armor All Glass Wipes

Glass anywhere but particularly mirrors and car windscreens seem to be a magnet for grime and smudges, but you can win the battle with these one-step cleaning wipes that will give you streak-free glass inside and outside the car, in the bathroom, that glass top table and the windows of the house. Supplied in a sealed dispenser that allows you to pull the wipes out one at a time so that the extra strength wipes are kept fresh and ready for use wherever they are needed.



	Inc.vat	Ex.vat	Code
<b>Glass Wipes (Tub 25)</b>	<b>£4.25</b>	<b>£3.54</b>	<b>300019</b>



# Axminster Hand Planes

## Axminster No. 4 Smoothing Plane

This exceptionally well priced smoothing plane could be a perfect introduction to those making their first venture into the world of woodworking. It is well made and has features such as adjustable frog and lateral blade adjustment that are usually found in more expensive versions. Purists will welcome the traditional hardwood handles. The base measures 240 x 63mm and the blade is 50mm(2") wide.



	Inc.vat	Ex.vat	Code
Bench Plane No. 4	£21.95	£18.29	397016



## Boxed Set of Two Planes

A boxed set of two of our most popular planes. Both planes feature precision ground bases. The pair comprises a No. 4 smoothing plane and the hugely popular and handy No. 220 block plane. A quick hone and away you go.

	Inc.vat	Ex.vat	Code
Set of Two Planes	£46.44	£38.70	200357



## Axminster 5 Piece Plane & Marking Kit

Inside the wooden box will be found an Axminster No. 4 smoothing plane, an adjustable mouth 9.1/2 block plane, a mortice marking gauge, 230mm (9) adjustable bevel and a carpenter's try square. The box is fitted so each tool has its own home and is prevented from rattling around and damaging its neighbours.

	Inc.vat	Ex.vat	Code
Plane & Marking Kit	£64.94	£54.12	700239



## Axminster No. 5 Jack Plane

The Jack Plane is probably the first plane used after timber comes off the saw, used to flatten, size and square the wood. Its length, 355mm(14") means it has less tendency to follow dips and bumps on long workpieces. Blade width 50mm and weight 2.8kg.

	Inc.vat	Ex.vat	Code
No.5 Jack Plane	£23.45	£19.54	220040



## Axminster No. 6 Fore Plane

At 450mm long the Axminster No. 6 Fore Plane can be viewed as a dual purpose plane. It can be used for quick stock removal similar to a Jack plane or for the truing up of edges or levelling of wide boards in the manner of a longer jointer or try plane. Cutter is 60mm wide.

	Inc.vat	Ex.vat	Code
No.6 Try Plane	£32.94	£27.45	700198

## Axminster No. 7 Try or Jointer Plane

As its name implies the Axminster No. 7 plane is for truing up the edges of boards prior to jointing as for example, in the production of a tabletop. The plane is 560mm long and ideally suited to planing out any unevenness on a board's edge, to give a 'tried' and true finish. Cutter is 60mm wide.

	Inc.vat	Ex.vat	Code
No.7 Try Plane	£44.94	£37.45	700199

## Axminster No. 220 Block Plane

A good quality block plane modelled on the traditional Stanley 220 design. It has a knurled brass depth adjustment screw, cam locking lever cap and lateral adjustment for the iron. Blade width is 40mm.

	Inc.vat	Ex.vat	Code
No. 220 Block Plane	£21.44	£17.87	100818
Replacement Blade	£3.14	£2.62	220038

## Axminster No. 60 1/2 Block Plane

Our low angle block plane has proven to be our most popular. The 60.1/2 has its blade seated at an angle of 13.5° making it particularly useful for end grain work and just as effective for general usage. Its construction is of cast iron with brass fittings. It features an adjustable mouth for fine or coarser work. The depth of cut is micro-adjustable and the blade is laterally adjustable to ensure a square cut. The plane's length is 155mm and the blade width 35mm.

	Inc.vat	Ex.vat	Code
Low Angle Block Plane	£21.24	£17.70	397115
Replacement Blade	£3.74	£3.12	220036

## Axminster No. 9 1/2 Block Plane

This block plane takes its design from the Stanley 9.1/2, originally produced in the 1890s and is a real workhorse. It features cast iron and steel construction with solid brass fittings. All moving parts undergo careful machining such as the adjustable mouth and the micro-adjustable blade. The blade seating is 20 and the blade used bevel up. The base measures 155 x 51.5mm with a blade width of 41mm (1.5/8").

	Inc.vat	Ex.vat	Code
Standard Angle Block Plane	£18.44	£15.37	200254



## Rider No. 60 1/2 Block Plane with Bronze Cap

This is a fine example of the ever popular 60.1/2 pattern low angle block plane. It is particularly useful on end grain, but having said that it also makes a great all round block plane for most trimming tasks. This model has a well machined base of cast iron with brass fittings and features a cast and polished bronze cap. This bronze cap adds a little extra weight and oomph to the plane and it feels good in the hand. The plane's mouth is adjustable for fine or coarse work. The length is 155mm and the blade width 35mm, seated at 13.5°.

	Inc.vat	Ex.vat	Code
Low Angle Block Plane	£33.95	£28.29	950037

## Rider No. 9 1/2 Block Plane with Bronze Cap

The 9.1/2 block plane is a real workhorse, used for most small planing and trimming jobs. This incarnation features a cast and polished bronze cap, which adds a bit more weight behind the cutter and feels very good in the hand. The base is finely machined cast iron with solid brass fittings. The mouth is adjustable, narrow for fine work or wide for taking thicker shavings. The base measures 155 x 52mm and the blade width is 41mm (1.5/8") set at an angle of 20° with the bevel up.

	Inc.vat	Ex.vat	Code
9.1/2 Block Plane	£33.95	£28.29	950038

## Axminster Superior 3 in 1 Shoulder/Bull-Nose/Chisel Plane

The 3 in 1 plane has to be the most useful, general purpose shoulder plane. With three options, a shoulder, a bullnose or a chisel plane its an extremely versatile tool. The fine grey cast iron body is machined and polished. Precision grinding ensures the sole and sides of the plane are straight, square and true. The 3mm thick blade sits on a machined bed in the body for chatter-free cutting. A knurled captive nut at the rear provides fine feed adjustment to the depth of cut. The plane has a fine mouth, an additional shim widens the mouth if required. Cutting width 28mm, length: Shoulder 155mm, Bullnose 100mm, Chisel 90mm, weight 980g

	Inc.vat	Ex.vat	Code
3 in 1 Plane	£99.95	£83.29	950972

## Axminster No. 19 (92) Shoulder Plane

Cast from fine grey iron, precision machined, precision ground and polished, ensuring accurate results. The sole is flat and the sides square to the sole. The movable front section varies the width of the mouth for coarse or fine work. The front section is completely removable, so you can use the plane as a chisel plane, for cleaning stopped rebates. The blade is full width (19mm) and micro adjustable, via a knurled knob at the rear of the body. A setscrew inside the front section retains your original mouth setting after disassembling the plane for sharpening etc. Sole length 130mm (5.1/8") and 19mm (3/4") wide.

	Inc.vat	Ex.vat	Code
No. 19 Shoulder Plane	£30.95	£25.79	210153

## Rider Wide Bodied Low Angle Block Plane

A hybrid plane, incorporating the best attributes of both its parents. It has a low blade angle of the 60.1/2, coupled with the size and width of a 9.1/2. The adjustable mouth and a fine feed blade give you great control for fine or coarse work. The base is cast iron with brass fittings and a polished bronze cap. The length is 157mm and the blade width 41mm, seated at 13.5°.



	Inc.vat	Ex.vat	Code
Wide Bodied Low Angle Block Plane	£41.94	£34.95	952969

## Axminster No. 26 (90) Bull Nose Plane

Our plane's body is fine grey cast iron with finger recesses on either side for a comfortable grip. Precision grinding ensures the sole is flat and the sides are square to the sole. The 25.4mm full width blade is micro adjustable via a knob at the rear. The upper section will move forwards or backwards varying the width of the mouth for fine or coarse work. It is completely removable, turning it into a chisel plane, useful for cleaning stopped rebates. A small setscrew inside the front section means you will not lose your original mouth setting after disassembling the plane for sharpening or using it as a chisel plane. The sole is 100mm (4") long by 25.4mm (1") wide.



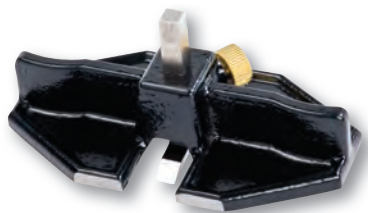
	Inc.vat	Ex.vat	Code
No. 26 Bull Nose Plane	£24.44	£20.37	210152

## Axminster Duplex Rebate Plane

The traditional 778 style of rebate plane features two blade positions. Twin guide rods support the side fence guaranteeing stability. It also features a depth stop for rebates up to 13mm deep (deeper than that are cut to a scribed line) and a scribing cutter for clean cross grain work. The plane is cast iron and steel construction with finely ground faces. It is designed to cut rebates up to 38mm (1.1/2") wide. The overall length is 215mm (8 1/2").



	Inc.vat	Ex.vat	Code
Rebate Plane	£45.95	£38.29	200237
Replacement Blade	£6.24	£5.20	600568



## Axminster Small Router Plane

This small and compact version of the router plane is ideal for evening out the bottom of grooves, dadoes and housings. It is also useful for work such as inlaying and cleaning out hinge or lock plate housings. The cutter locks in either of two positions, for use with the throat closed or open for a better view when working a stopped housing for example. The base size is 105 x 58mm, supplied with a 6.35mm (1/4") cutter.

	Inc.vat	Ex.vat	Code
Router Plane	£26.94	£22.45	950967



## Squirrel Tail Palm Planes

These compact planes are similar to the Stanley No.100 and No.100.1/2, with a slightly larger squirrel-tail handle for improved control and comfort.

The flat palm plane is perfect for chamfering and trimming, whilst the curved palm plane has the sole rounded 38mm (1.1/2") side-to-side and 300mm (12") front-to-back, making it ideal for working hollows such as on chair seats. The investment-cast steel bodies are accurately machined and have a 45° bed angle and a fixed. The blades are 30° bevel O1 lapped tool steel (2.15mm thick by 25mm wide), and are secured with a cogwheel screw. Each plane weighs less than 200g with an 85mm sole, 34mm wide, and 125mm long overall. Made in Canada.

	Inc.vat	Ex.vat	Code
Flat base	£35.94	£29.95	210905
Curved base	£41.94	£34.95	210906



## Little Victor Plane

This little plane is a close copy of Leonard Bailey's 1877 "Little Victor" No.51 block plane. A simple and effective tool with an elegant design, it is a great miniature maker's or model maker's plane. The investment-cast steel body is accurately machined, has a 45° bed angle and a fixed mouth, and uses a cogwheel screw to secure the included 30° bevel O1 tool steel blade (measures 2.15mm thick by 25mm wide). Both the sole of the plane and the working surface of the blade are lapped to a flatness tolerance of ±0.005mm or better. At 80mm long by 32mm wide, and weighing just under 140g, Made in Canada.

	Inc.vat	Ex.vat	Code
Little Victor Plane	£32.94	£27.45	210903

## Stanley Hand Planes



## Stanley No. 4 Smoothing Plane

By far the most popular smoothing plane is the 245mm (9.3/4") No.4 with its 50mm (2") wide cutter. The No. 4 is preferred, it is easy to handle and is often used on all manner of planing tasks not just smoothing. When it comes to trimming and fitting the size and weight make it ideal as a jack of all trades.

	Inc.vat	Ex.vat	Code
No.4 Smoothing Plane	£53.94	£44.95	900200
No.4.1/2 Smoothing Plane	£59.94	£49.95	900201



## Stanley No. 5 Jack Plane

The No.5 is 350mm (14") long with a 50mm (2") wide blade. Always a popular tool, usually the first to be picked up after the timber lands on the bench, great for all manner of general planing tasks. Fitted with virtually unbreakable moulded handles.

	Inc.vat	Ex.vat	Code
No.5 Jack Plane	£63.95	£53.29	900202



## Stanley No. 60 1/2 Block Plane

Developed originally for use on laminates these block planes have their cutters seated at the low angle of 13.1/2°. They are just as useful for end grain work having the same adjustable mouth as the 9.1/2 and full depth and lateral control. The Stanley No.60.1/2 is 150mm (6") long and fits comfortably in the hand. The cutter is 35mm (1.3/8") wide.

	Inc.vat	Ex.vat	Code
No.60.1/2 Block Plane	£49.94	£41.62	900209
Replacement Blade	£9.05	£7.54	900223

## Stanley No. 9 1/2 Block Plane

This is a sophisticated block plane 150mm (6") long with a 41mm (1.5/8") cutter. Not only featuring screw depth control, lateral control and cam action locking lever cap, but also an adjustable mouth for coarse or fine work. A great plane for both end grain work and general purpose fine finishing. Cutter seating at 21°.

	Inc.vat	Ex.vat	Code
No. 9.1/2 Block Plane	£51.95	£43.29	900214
Replacement Blade	£9.05	£7.54	900224

## Stanley No. 75 Bull Nose Plane

A light duty plane, for cabinet and model makers alike. Accurately machined with a fully adjustable mouth for the finest of work. Length 100mm (4"), width 28mm.

	Inc.vat	Ex.vat	Code
No. 75 Bull Nose Plane	£23.45	£19.54	900211



# Lie-Nielsen Planes

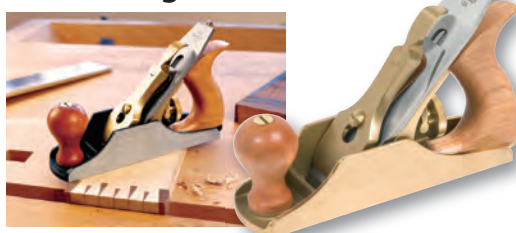
## Lie-Nielsen No. 1 Smoothing Plane



Based on the famous Stanley No. 1, a miniature bench plane, 140mm(5.1/2") long with a 30mm(1.3/16") x 3mm thick blade, fitted with a Lie-Nielsen improved chipbreaker. It is available with a cast manganese bronze body only. Size wise it is not dissimilar to a block plane. This may give a clue to its original intended use, as a small plane for trimming type jobs and final touches.

	Inc.vat	Ex.vat	Code
No.1 Smoothing Plane	£202.94	£169.12	421025
Blade Only for No.1	£31.94	£26.62	421032

## Lie-Nielsen Nos. 2 & 3 Smoothing Planes



Both these tools, cast in manganese bronze, have the unique Stanley bedrock frog design. A fully machined mating fit between the frog and body, with the maximum possible area of contact and with the added benefit of being able to move the frog backwards or forwards, allowing the opening or closing of the plane's mouth without having to remove the lever cap or blade. The soles are hand flattened. Knobs and handles are polished cherry wood. The A2 cryogenically treated blades are a full 3.2mm(1/8") thick and all that is required is a light honing of the blade before the plane is ready to use.

The No. 2 is 190mm(7 1/2") long with a 41mm(1 5/8") wide blade and weighs 1.48kg(3 1/4lb).

The No. 3 is 200mm(8") long with a 44mm(1 3/4") wide blade and weighs 1.82kg(3 1/2lb).

	Inc.vat	Ex.vat	Code
No. 2 Smoothing Plane	£247.94	£206.62	421000
No. 3 Smoothing Plane	£291.95	£243.29	421048
Blade Only for No. 2	£31.94	£26.62	421009
Blade Only for No. 3	£36.44	£30.37	421057



## Lie-Nielsen No. 4 Smoothing Plane

Featuring the famous bedrock frog, giving the ability to open or close the mouth without the need to dismantle the plane. The fully machined mating fit between the frog and body along with a 3mm thick blade virtually eliminates the possibility of chatter. The soles are hand flattened, the cherry wood knob and handle are polished with a wiping varnish. The A2 cryogenically treated blade only requires a light honing before the plane is ready to use. The manganese bronze No.4 weighs in at a solid 2kg(4.1/2lbs) whilst the ductile iron version is a slightly lighter 1.8kg(4lbs).

	Inc.vat	Ex.vat	Code
No. 4 Plane Bronze Body	£314.94	£262.45	421001
No. 4 Plane Iron Body	£269.94	£224.95	421035
Toothed Blade for No.4	£58.94	£49.12	210573
Blade Only for No.4	£36.44	£30.37	421010



Lie-Nielsen tools are all made with the same immaculate attention to detail, producing heirloom quality tools of high integrity and functionality but with that special 'something' that gives you a deep satisfaction of owning and using them. The metallurgy is impeccable with plane bodies in Manganese Bronze or Ductile Iron, which are fully stress relieved and ground to very fine tolerances ensuring that the tools will remain flat and true throughout their lives. The blades are hand lapped, and require at most, only a light honing before use. These tools will outlast all your fancy power tools, computers and gismos several times over and still provide the perfect cut; you'll only need to buy a Lie-Nielsen plane once.



## Lie-Nielsen High Angle Frogs

Until now, all Stanley-type bench plane irons were bedded at 45°, or common pitch. But the famous English Smoothers like Norris are usually 50° (York Pitch) or 55° (Middle Pitch). The higher pitches make smoothing difficult wood easier. Lie-Nielsen's unique High Angle Frogs quickly convert their No.4 and No.4 1/2 Smoother to York or Middle Pitch. These frogs will also fit our other Lie-Nielsen planes with 50mm(2") or 60mm(2.3/8") blades. Please note these will not fit other makes of planes.

	Inc.vat	Ex.vat	Code
60mm(2 3/8") 50° York Frog	£67.94	£56.62	421049
60mm(2 3/8") 55° Middle Pitch Frog	£76.94	£64.12	701421
50mm(2") 50° York Frog	£67.94	£56.62	100588

## Lie-Nielsen No. 4 1/2 Smoothing Plane

Lie-Nielsen have produced their No.4.1/2 in ductile iron with a bronze frog and lever cap supporting a 60mm(2.3/8") A2 cryogenically treated blade. Finished with polished cherry wood handles and fitted with a cryogenically treated blade. Like all Lie-Nielsen planes it is a tool to be treasured. Length 263mm(10.3/8"), weight 2.5kg(5 1/2lb).

	Inc.vat	Ex.vat	Code
No. 4 1/2 Smoothing Plane	£291.95	£243.29	421044
Blade Only for No. 4 1/2	£45.95	£38.29	421045

## Lie-Nielsen No. 5 1/4 Jack Plane



This is a smaller version of the No. 5 Jack Plane. The narrow width means that it can get into tighter corners than its bigger brother. Ductile iron body, bronze frog, A2 cryogenically treated steel blade and cherry handles. 295mm(11.5/8") long and with a 44mm(1.3/4") wide blade. Weight 1.93kg(4 1/4lbs).

	Inc.vat	Ex.vat	Code
No. 5 1/4 Jack Plane	£256.94	£214.12	421052
Blade Only for No.5 1/4	£36.44	£30.37	421057



## Lie-Nielsen No. 5 Jack Plane

Body cast from fine ductile iron, manganese bronze frog mounted in the famous Bedrock style, and polished cherry wood handles. Fitted with an A2 cryogenically treated 3mm(1/8") thick 50mm(2") wide blade, 355mm(14") long, weighing in at 2.5kg(5 1/2lbs).

	Inc.vat	Ex.vat	Code
No.5 Jack Plane	£291.95	£243.29	421019
Toothed Blade for No.5	£58.94	£49.12	210573
Blade Only for No.5	£36.44	£30.37	421010

## Lie-Nielsen No. 5 1/2 Jack Plane

This somewhat unusual size bench plane has the same A2 cryogenically treated 60mm(2.3/8") blade width as a No.7 jointer but is only 375mm(14.3/4") long, perhaps making it more suitable for planing the surfaces of wide boards. Needless to say, all the usual high quality Lie-Nielsen features are present. Weight 3.18kg(7lbs).

	Inc.vat	Ex.vat	Code
No. 5 1/2 Jack Plane	£336.95	£280.79	421056
Blade Only for No.5 1/2	£45.95	£38.29	421045

## Lie-Nielsen No. 6 Fore Plane



Midway between the No. 5 Jack and the No.7 try or jointer this plane offers all the well known Lie-Nielsen qualities and features but at a size which may better suit some discerning users. The A2 cryogenically treated blade has a width of 60mm(2.3/8") and with an overall length of 455mm(18") it weighs in at 3.4kg(7.1/2lbs).

	Inc.vat	Ex.vat	Code
No.6 Fore Plane	£336.95	£280.79	421054
Blade Only for No. 6	£45.95	£38.29	421045





## Lie-Nielsen No. 7 Try or Jointer Plane

At 558mm (22") long with a precisely ground ductile iron body, this plane is born to shoot accurate joints. The frog and lever cap are made in bronze. Fitted with an A2 cryogenically treated 60mm (2.3/8") wide blade to give a smooth chatter-free cut. Weight 3.75kg (8.1/4lbs).

	Inc.vat	Ex.vat	Code
No. 7 Jointer Plane	£381.95	£318.29	421046
Blade Only for No. 7	£45.95	£38.29	421045



## Lie-Nielsen No. 8 Jointer Plane

This is the largest of Lie-Nielsen's production bench planes, a massive 610mm (24") long with an A2 cryogenically treated 66mm (2.5/8") wide blade and weighing 4.54kg (10lbs). An awesome tool, highly effective in the right hands.

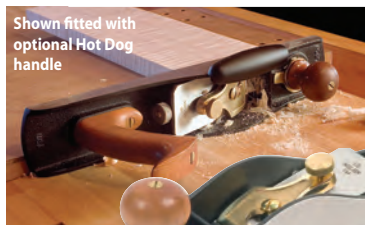
	Inc.vat	Ex.vat	Code
No. 8 Jointer Plane	£426.95	£355.79	421055
Blade Only for No. 8	£49.94	£41.62	100589



## Lie-Nielsen No. 164 Low Angle Smoothing Plane

This low angle version of a No. 4 plane complements the low angle Jack plane. Bedded at 12° the 50mm (2") wide by 4.8mm (3/16") thick A2 cryogenically treated blade takes and holds a superb edge. The body is a fine ductile iron casting, handles of selected cherry and bronze lever cap. The mouth can be finely adjusted. 240mm (9.1/2") long, weight 1.7kg (3.3/4lbs).

	Inc.vat	Ex.vat	Code
No. 164 Smoothing Plane	£238.94	£199.12	421021
Toothed Blade for No. 164	£63.44	£52.87	210572
Blade Only for No. 164	£36.44	£30.37	421028



## Lie-Nielsen No. 62 Low Angle Jack Plane

The No. 62 combines the benefits of a bevel-up 12° blade mounting angle, a set-up which gives as much support as possible to the cutting edge, with an adjustable mouth, making the plane particularly suitable for straightening edges either with or across the grain. A toothed blade is available for this plane, which is excellent for the removal of heavy stock in difficult grain. The Hot Dog attachment available will transform the Low Angle Jack into a shooting plane. The body is ductile iron, the lever cap is bronze and the handles are cherry wood. The base is 355mm (14") long by 62mm (2.1/2") long by 62mm (2.1/2") wide.

	Inc.vat	Ex.vat	Code
No. 62 Jack Plane	£219.95	£183.29	421008
Toothed Blade for No. 62	£58.94	£49.12	210570
Hot Dog Handle	£54.44	£45.37	211008
Blade Only for No. 62	£36.44	£30.37	421018
90° Scraper Blade	£40.94	£34.12	951034

## Lie-Nielsen No. 7 1/2 Low Angle Jointer Plane

At 558mm (22") long with a 60mm (2.3/8") wide A2 cryogenically treated blade its dimensions are the same as a standard No. 7 plane. The blade is mounted at an angle of 12° long with a wide A2 cryogenically treated blade, its dimensions are the same as a standard No. 7 plane. The blade is mounted at an angle of 12° with the bevel up; this design gives as much support as possible to the cutting edge. It has a cast ductile iron body with bronze lever cap, smooth depth adjustment and cherry wood handles. This is an uncomplicated tool that will give great results on end grain and long grain in most situations. Weight 3.34kg (7 35lbs).

	Inc.vat	Ex.vat	Code
No. 7 1/2 Jointer Plane	£314.94	£262.45	421058



## Lie-Nielsen No. 60 1/2RN Rebating Block Plane

This plane is a low angle fixed mouth block plane with open sides, a nicker for cross grain work and a blade which extends the full width of the body. It is made for cutting, cleaning up or adjusting small rebates. The sole is ground flat to within 0.03mm (0.0015") and the sides ground square to the sole. The A2 cryogenically treated blade is just a couple of thou' wider than the 44mm (1.3/4") wide body and is made from cryogenically treated A2 tool steel. The body of the plane is ductile iron, the lever cap is bronze.

	Inc.vat	Ex.vat	Code
No. 60.1/2RN Rebating Block Plane	£157.94	£131.62	950319
Blade Only for No. 60.1/2RN	£35.94	£29.95	100652



## Lie-Nielsen Nos. 9 1/2 & 60 1/2 Block Planes

The bodies are cast from ductile iron and feature a movable shoe in front of the blade with which to control the size of the mouth, narrow for fine work, wide for heavier cuts. Other fittings are from polished bronze, which gives a pleasing look to the planes. Overall length is 158mm (6.1/4") long, with a 35mm (1.3/8") x 3.2mm (1/8") long, with a 35mm (1.3/8") x 3.2mm (1/8") A2 cryogenically treated blade that lies at either the standard 20° or 12.5° low angle. Weight 680g (1.1/2lb).

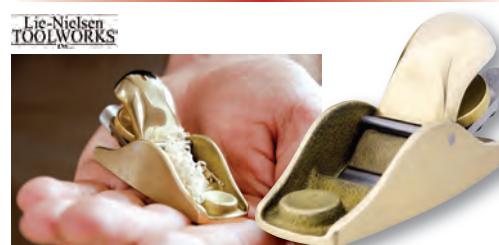
	Inc.vat	Ex.vat	Code
No. 9 1/2 Standard Angle Plane	£157.94	£131.62	421039
No. 60 1/2 Low Angle Plane	£148.94	£124.12	421020
Toothed Blade for 60.1/2 & 9.1/2	£49.94	£41.62	210569
Blade Only for No. 9 1/2 & No. 60 1/2	£31.94	£26.62	421027



## Lie-Nielsen Nos. 102 & 103 Block Planes

These block planes have 32mm (1.1/4") wide A2 cryogenically treated blades of 3.2mm (1/8") thick A2 tool steel for chatter-free fine cutting, and micrometer blade adjustment. The choice is between the No. 103 with standard 20° blade angle or the No. 102 low angle 12.5°. At 133mm (5.1/4") long these are the handiest planes in both senses of the word, destined to become the most frequently used in the workshop. Weight 500g (17.6oz). The low angle plane No. 102 is available in a choice of a ductile iron or manganese bronze body.

	Inc.vat	Ex.vat	Code
No. 102 Low Angle Bronze Plane	£103.94	£86.62	421004
No. 102 Low Angle Iron Plane	£85.94	£71.62	100891
No. 103 Standard Angle Bronze Plane	£112.94	£94.12	421005
Blade Only for No. 102 & No. 103	£27.44	£22.87	421013



## Lie-Nielsen No. 101 Violin Maker's Plane

This pocket-sized block plane is the smallest of Lie-Nielsen hand planes to feature a captive nut blade adjuster for precisely controlled depth of cut. The Violin Maker's Plane includes several significant features that put it in a class of its own. The body and cap are manganese bronze for extra weight, durability and resistance to rust. The blade is 22mm wide by 3.2mm thick for chatter-free cuts and made from cryogenically treated A-2 steel for prolonged edge life. The addition of a finely controlled blade depth adjuster makes this little workhorse perfect for detail-oriented jobs like instrument building or model making. The body is 90mm long x 30mm wide x 41mm tall. The blade is bedded at 18°. Weight is 227g.

	Inc.vat	Ex.vat	Code
No. 101 Violin Maker's Plane	£85.94	£71.62	502389





## Lie-Nielsen No. 100 Model Maker's Block Plane

This delightful, small low angle tool fits snugly in the palm of your hand. It is a miniature workhorse and is ideal for all sorts of chamfering and trimming jobs, one of those tools whose usefulness is sometimes overlooked due to its size, don't be fooled. The A2 cryogenically treated blade is 22mm(7/8") wide and 3.2mm(1/8") wide and 3.2mm(7/8") thick. At 124mm(4.7/8") long and 32mm(1.1/4") wide, weighing 227g(8oz), this plane is effortless to use.

	Inc.vat	Ex.vat	Code
No. 100 Model Maker's Plane	£67.94	£56.62	200619
Blade Only for No.100	£20.94	£17.45	200620

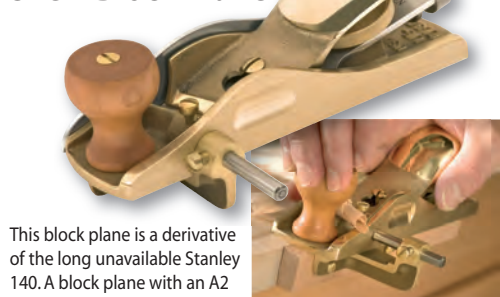


## Lie-Nielsen No. 100 1/2 Convex Sole Block Plane

The sole of this small hand plane has a convex radius of 75mm(3") in the width and 685mm(27") in the length, the A2 cryogenically treated blade is ground to a 22mm(7/8") radius bedded at 20° radius bedded at 20° bevel up, giving it the ability to hollow very effectively. Because of the differential in radii set finely, the corners of the blade remain within the mouth and avoid unsightly scoring. 124mm(4.7/8") long by 32mm(1.1/4") wide with a blade 22mm(7/8") wide x 3.2mm(1/8") thick. Weight: 250g(8.8oz). Supplied in ductile iron body with bronze lever cap.

	Inc.vat	Ex.vat	Code
No. 100 1/2 Convex Plane	£85.94	£71.62	202230

## Lie-Nielsen No. 140 Skew Block Plane



This block plane is a derivative of the long unavailable Stanley 140. A block plane with an A2 cryogenically treated skewed blade and removable sidepiece for quick conversion into a rebating plane. Lie-Nielsen have added the further refinements of an adjustable side fence and lowered the blade angle to 20°. The side nicker scores the timber slightly ahead of the blade making this plane just as effective working both with and across the grain and can be retracted when not in use. 175mm(6.7/8") long by 47.5mm(1.7/8") wide and this fine manganese bronze casting weighs in at 900g(2lb).

	Inc.vat	Ex.vat	Code
No.140 Skew Block Plane	£202.94	£169.12	421002
Blade Only for No.140	£36.44	£30.37	421011

## Lie-Nielsen No. 10 1/4 Bench Rebate Plane



This tool is stout and has excellent balance. The cross-grain nickers cut grain fibres ahead of the blade to produce a clean, square, vertical cut. The nicker is a small blade, ground dead flush with the sides of the tool. Easy to sharpen and easy to set to depth or retract. The handle and knob tilt to either side to more easily get the tool into a large corner cut. It has a ductile iron body, A2 cryogenically treated blade, bronze frog and lever cap and cherry wood handles giving this plane a stunning appearance. The body is 324mm(12.3/4") long and 53mm(2.1/8") wide with adjustable nickers on both sides of the body for cross grain work. This is the first time that this type of plane has been made in the Bedrock style. Weight 2.24kg(5lbs).

	Inc.vat	Ex.vat	Code
No. 10 1/4 Plane	£336.95	£280.79	421051
Blade Only for No.10 1/4	£45.95	£38.29	421067



## Lie-Nielsen No. 610 Low Angle Jack Rebate Plane

A Lie-Nielsen original, the Low Angle Jack (I say Rebate, you say Rabbet) plane is a cross between the Bench Rebate plane (but without the tilting knob and handle) and the Low Angle Jack Plane, giving you a full width cutting blade in a convenient, low angle format. This is a great plane for raising panels, making long rebates, working into corners and large-scale joinery. A 12° blade bed angle and nickers for cross grain work complete the tool. Length 323mm(12.3/4"), width 54mm(2.1/8") with a full width, 4.8mm(3/16") thick A2 blade.

	Inc.vat	Ex.vat	Code
No. 610 Low Angle Jack Rebate Plane	£219.95	£183.29	504077



## Lie-Nielsen No. 073 Large Shoulder Plane

A useful and accurate plane with a long pedigree of design tradition. A low angle approach with an adjustable mouth ensures a fine shaving in all situations. Measuring 210mm(8.1/4") long and 32mm(1.1/4") wide, this famous cast ductile iron and bronze plane weighs in at 1.8kg(4lbs) and is fitted with an A2 cryogenically treated blade.

	Inc.vat	Ex.vat	Code
No. 073 Large Shoulder Plane	£224.94	£187.45	421040
Blade Only for No. 073	£36.44	£30.37	421041



## Lie-Nielsen No. 042 Medium Shoulder Plane



The Lie-Nielsen commitment to design and quality of manufacture is left in no doubt with this model. Positive fine screw adjustment to both mouth and blade enables the finest of cuts to be taken or opened up and advanced for faster material removal from a coarser cut. The bevel edged A2 cryogenically treated blade overrides the body width of the plane by 0.12mm(.005") and is aligned flush to the side of the body in use. 197mm(7.3/4") long with a blade 19mm(3/4") wide x 3.5mm(.14") long with a blade 19mm(3/4") wide x 3.5mm(.14") thick, weight: 1.06kg(2.35lbs). Supplied with ductile iron body, A2 tool steel cryogenically treated blade, bronze lever cap and stainless steel adjuster.

	Inc.vat	Ex.vat	Code
No. 042 Medium Shoulder Plane	£174.95	£145.79	200621
Blade Only for No. 042	£31.94	£26.62	200622



## Lie-Nielsen No. 041 Small Shoulder Plane



This is the newest and smallest edition to the Lie-Nielsen shoulder plane range, based on the Record 041, which was in turn based on a Preston model. This improved shoulder plane has an all metal body made from cast ductile iron, and the cap is bronze. Body is 145mm(5.3/4") long by 16mm(5/8") wide, weighs 620g, and has an adjustable mouth. The blade is bedded in the tool at 18° with a 25° bevel, making the included cutting angle 43°. This is another excellently made tool from Lie-Nielsen and is just right for trimming and fitting small tenons, dados and rebates.

	Inc.vat	Ex.vat	Code
No. 41 Small Shoulder Plane	£148.94	£124.12	701264



## Lie-Nielsen No. 1/2 Shoulder Plane



This small shoulder plane, modelled after a traditional English Shoulder Plane, is a gem. The tool is 140mm(5.1/2") long, with a 12.7mm(1/2") wide x 3.2mm(1/8") thick blade, secured with a Cocobolo wooden wedge. The cast bronze body, with its fine set mouth, makes this an ideal tool for trimming dados, rabbets and shoulders to fit.

	Inc.vat	Ex.vat	Code
No. 1/2 Shoulder Plane	£178.94	£149.12	421024
Blade Only for No. 1/2	£31.94	£26.62	421038



## Lie-Nielsen No. 98 & 99 Side Rebate Planes

The side rebate plane is the one tool designed to ease or widen a rebate by removing a few thou' at a time. Tom Lie-Nielsen has done a grand job in recreating this pair of side rebate planes (one left handed, one right handed) from an original Stanley pattern. Made from his preferred material, manganese bronze, with polished cherry wood handles and cryogenically treated A2 tool steel blades. 50mm(2") high and 115mm(4.1/2") long with a blade width of 12.7mm(1/2"). Fits into a 5mm(3/16") long with a blade width of 12.7mm(1/2"). Fits into a 5mm(3/16") groove at full depth and the front shoe can be removed for getting into corners.

	Inc.vat	Ex.vat	Code
Nos. 98 & 99 Side Rebate Planes	£202.94	£169.12	421023

## Lie-Nielsen No. 48 Tongue & Groove Plane

Online  
VIDEO  
available

Based on an original Stanley design, the Lie-Nielsen version is a great improvement on its predecessor. This quietly efficient hand tool centres on 3/4" (19mm) stock, leaving a 1/4" (6.35mm) wide tongue. On narrower or wider boards the tongue will be offset but obviously hidden within the joint. One major improvement is in the use of a single forked blade rather than two separate blades. This single O1 tool steel iron is simple to sharpen and hone. Set up is also extremely simple. The fine tolerances in machining the frog ensure that the blade is always square on to the base. The fence, fixed to the base at its halfway point, can be rotated and locked. In one position, both sides of the blades are exposed to cut the tongue. Rotating the fence into its other position hides one side of the blade leaving the other exposed to cut the groove. Depth is pre-set by the milled groove in the body casting. The tote and the front knob are cherry wood, the lever cap is brass. Overall length 260mm

Tongue

Groove

	Inc.vat	Ex.vat	Code
No. 48 T & G Plane	£175.94	£146.62	210954

## Lie-Nielsen No. 95 Bronze Edge Plane

Cast from hard, durable manganese bronze, this edge plane with its integral 90° fence is primarily used to trim the edges of stock or boards square but by fixing an appropriately angled block to the fence, various angles can be produced, as for coopered work. The low angle, A2 cryogenically treated skewed blade makes working across the grain or plywood very easy. Equally useful for adjusting rebates or carefully controlled widening of dados. What first appears to be a speciality plane turns out to have many uses. 146mm(5.3/4") long with a 22mm(7/8") width of cut, styled after the Stanley 95. Weight 570g(1.1/4lb).

	Inc.vat	Ex.vat	Code
No. 95 Edge Plane	£134.94	£112.45	421003

## Lie-Nielsen No. 9 Iron Mitre Plane

Taken from the traditional European design of plane used for trimming mitres, squaring end grain and any other trimming and truing jobs in conjunction with a shooting board. The body is ground true and flat on the sides and the bottom. The side (or Hot-Dog) handle can be mounted on either side enabling the plane to be used in either direction on the shooting board. 50mm(2") wide A2 cryogenically treated blade. Weight 2kg(4.1/2lb).

	Inc.vat	Ex.vat	Code
No. 9 Iron Mitre Plane	£336.95	£280.79	421042
Blade Only for No. 9	£40.94	£34.12	421043

## Lie-Nielsen No. 51 Shooting Board Plane

This single purpose plane is designed to trim mitres and other end grain cuts on a shooting board. Stanley first made its version in 1909 along with a metal shooting board. Lie-Nielsen has had requests for this tool over the years, so we are pleased to announce that it is now available. This version utilises a standard 60mm(2.3/8") bench plane blade and frog, and is heavier than the original. It is 380mm(15") long, 90mm(3.9/16") wide, with a shoulder height of 54mm(2.1/8"), and is just over 4kgs(9lbs). It will fit the original Stanley 52 shooting board, if you just happen to have one lying underneath your bench. Lie-Nielsen has plans to offer a companion Shooting Board in the future.

	Inc.vat	Ex.vat	Code
No. 51 Shooting Board Plane	£449.94	£374.95	951036
Blade Only for No. 51	£45.95	£38.29	421045

## Lie-Nielsen No. 271 Small Router Planes

The Lie-Nielsen Small Router Planes are loosely based on the Stanley 271 and feature a stout 6.35mm(1/4") wide blade and are perfect for small relief and shallow mortise work. Approximately 100 x 50mm, weight 240g. Closed mouth or open mouth versions are available.

	Inc.vat	Ex.vat	Code
No. 271 Router Plane (Open Mouth)	£72.95	£60.79	701266
No. 271 Router Plane (Closed Mouth)	£72.95	£60.79	504522

## Lie-Nielsen No. 71 Large Router Plane

A router plane is a great tool for working shallow mortises, trimming tenons, hinges, inlay, door locks and where any work requires an area cut to a precise depth. The Lie Nielsen versions are loosely based on early Stanley models, but with an improved depth stop and adjuster. Also, the blade is held solidly in the body in a square broached hole (blades will not fit original Stanley's). Ductile Iron body, 210mm long x 90mm wide x 95mm tall, 9.5mm square blade. Choose from closed mouth or open mouth designs.

	Inc.vat	Ex.vat	Code
No. 71 Router Plane (Open Mouth)	£125.94	£104.95	701265
No. 71 Router Plane (Closed Mouth)	£125.94	£104.95	504521

## Lie-Nielsen No. 66 Bronze Beading Plane

This Beading Tool derives from an early, generously proportioned Stanley No. 66. It has a polished cast Bronze body, curved and straight fences, and brass blade clamp. It is handy and fun to use for making a wide variety of decorative mouldings, beading, reeding, fluting and routing with a minimum of fuss. The beading tool is supplied with seven double ended blades, giving fourteen profiles in all, also included are two blank blades which can be worked with files to create your own profiles. Two fences are included, one for straight work and one for curved workpieces. 16mm(5/8") wide blades.

	Inc.vat	Ex.vat	Code
No. 66 Beading Plane	£157.94	£131.62	421026
Blank Cutters (5)	£7.25	£6.04	421033
Profile Blades Only (7)	£50.94	£42.45	421034

## Lie-Nielsen No. 85 Cabinet Maker's Scraper Plane

An exceptional plane by any standard. The 50mm(2") wide A2 cryogenically treated blade extends the full width of the base allowing fine scraping to be carried out right into a corner, such as a fielded panel. The most important aspect of this plane is that the handles can be tilted to the left or right. This means the plane can be operated right up to an adjacent side, such as inside a box, or on a wide deep rebate, whilst keeping the user's hands well out of the way but still in complete control. The body is ductile iron 210mm(8.3/8") long. Adjustment mechanism is bronze, and the blade is cryogenically tempered tool steel 3.2mm(1/8") thick. This really is the sort of tool cabinet makers normally only dream about.

	Inc.vat	Ex.vat	Code
No. 85 Scraper Plane	£193.94	£161.62	421053





## Lie-Nielsen No. 212 Scraper Plane

Online  
VIDEO  
available

A quite unusual plane with its almost perpendicular blade. Tom Lie-Nielsen has produced the perfect tool for a myriad of fine finishing jobs (there was no better tool than the Stanley No.212 when it came to thickening bamboo fly rod sections). This is a plane that will produce shavings like the finest lace and leave a smooth surface and crisp edges. The blade angle is adjustable to enable the plane to be set up just right for the particular timber being worked. Also available are toothing blades for preparing a ground prior to veneering without compromising its flatness. Body 140mm(5.1/2") by 44mm(1.3/4") by 44mm(1.3/4"). A2 cryogenically treated blade width 34mm(1.3/8"). Weight 680g(1.1/2lb).

	Inc.vat	Ex.vat	Code
No. 212 Scraper Plane	£157.94	£131.62	421006
Toothed Blade 25tpi	£40.94	£34.12	421016



## Lie-Nielsen No. 112 Large Scraper Plane

Online  
VIDEO  
available

A larger two-handed version of Tom Lie-Nielsen's No.112 scraping plane. The 3.2mm(1/8") thick A2 cryogenically treated blade is bevelled at 60° and can be easily and precisely adjusted to take the finest of shavings, leaving a smooth flat surface. The body 240mm(9.1/2") long with a 73mm(2.7/8") wide blade is cast in fine ductile iron with brass fittings and polished cherry handles. Weight 1.82kg(4lb).

	Inc.vat	Ex.vat	Code
No. 112 Scraper Plane	£211.94	£176.62	421022
Blade Only for No.112	£36.44	£30.37	421029



See Benches and Storage section for more details

## Lie Nielsen Workbench

- Machined tops to high tolerance
- 4" thick solid hard maple top
- Benches arrive complete
- 2130 x 610mm working surface
- 2 x wooden bench dogs supplied
- Different height options available

NEW!

Self  
Assembly

	Inc.vat	Ex.vat	Code
Workbench	£2,399.94	£1,999.95	504972



## Lie-Nielsen No. 97 1/2 Small Chisel Plane

A near half size version of a No. 97 plane which went out of production in 1944. 165mm(6.1/2") long with a 44.5mm(1.3/4") blade. Weight 680g(1.1/2lb). As a plane it makes a very poor tool, but then that's not its intended function. Where it excels is with the blade set flush with the sole, trimming plugs, through tenons, trimming dovetails flush, cleaning off dried glue lines or into the ends of rebates, as with a removable nose bullnose plane. This plane with its micro-adjuster and 4.8mm(3/16") thick A2 cryogenically treated blade, neither looks nor performs like any other. A great tool.

	Inc.vat	Ex.vat	Code
No. 97 1/2 Small Chisel Plane	£125.94	£104.95	421007
Blade Only for No.97 1/2	£36.44	£30.37	421017



## Lie-Nielsen No. 40B Butt Mortice Plane

The Butt Mortice Plane can help to make the recess for door hinges in a fraction of the time it takes to set up a router and template. Easy to use it will make precise mortices with sharp corners to an accurate, uniform depth. The wide mouth gives a clear view of the work. Complete with instructions. Size 245mm(9.5/8") x 38mm(1.1/2") x 38mm(1.1/2") body with a 19mm(3/4") A2 cryogenically treated blade.

	Inc.vat	Ex.vat	Code
No. 40B Butt Mortice Plane	£98.94	£82.45	421047



## Lie-Nielsen No. 40 1/2 Scrub Plane

Traditionally used for heavy roughing cuts, the Scrub Plane is excellent for this purpose and also practical for shaping irregular objects, producing an interesting finished surface, or for jobs like backing out a length of molding to fit an irregular wall. The No. 40.1/2 is supplied with cast ductile iron body, bronze lever cap and frog and cherry handles. 260mm(10.1/4") long body, the blade is 38mm(1.1/2") wide x 4.8mm(3/16") thick with a 75mm(3") radius on the cutting edge. Weight: 1.33kg(2.9lbs).

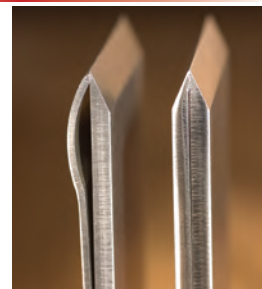
	Inc.vat	Ex.vat	Code
No. 40 1/2 Scrub Plane	£148.94	£124.12	200617
Blade Only for No.40 1/2	£31.94	£26.62	200618



## Lie-Nielsen Plane Socks

These socks are made from a stretch knitted fabric specially impregnated with rust inhibitors. They are used to protect expensive and much loved planes, and other tools, from corrosion as well as giving some extra protection from knocks and bumps when in the toolbox. Available in four sizes to cover all block planes and bench planes from smoothers to joiners. They could also be hung from the mantelpiece in late December in the hope that a certain white-haired gentleman might call and fill them with a Lie-Nielsen plane.

	Inc.vat	Ex.vat	Code
Block Plane Sock	£7.34	£6.12	900060
Smoother Plane Sock	£7.74	£6.45	900059
Jack Plane Sock	£8.24	£6.87	900058
Jointer Plane Sock	£8.75	£7.29	900061



## Lie-Nielsen Improved Chipbreakers

A big part of a chipbreaker's function is to dampen vibration, but chipbreakers on metal bench planes are usually quite thin. These improved chipbreakers are machined and ground as opposed to the usual pressing. A full 3.2mm(1/8") thick with a 0.4mm(.015") lip ground at a 1° angle to provide excellent contact between the leading edge of the chipbreaker and the blade. They are very solid and each is supplied with the chipbreaker screw. All Lie-Nielsen planes from 2003 onwards will already be fitted with one of these chip breakers. Why not upgrade your existing plane and enhance its performance?

	Inc.vat	Ex.vat	Code
No.1 Plane	£36.44	£30.37	340093
Nos. 4 & 5 Plane	£22.94	£19.12	202265
Nos. 4 1/2, 5 1/2, 6 & 7 Plane	£27.44	£22.87	202266
No.10.1/4 Plane	£31.94	£26.62	340092



## Leather Wallets for Low Angle Block Planes

Perfect companions to Lie-Nielsen's block planes - top quality leather wallets for safe storage both in the tool box and whilst working. The soft leather is bound and stitched around the edges and the flap can either be closed over the plane for storage or opened back to form a belt loop for easy access whilst working. Two sizes are available, a small one for the No. 102 plane and a larger one for the low angle No. 60 1/2.

	Inc.vat	Ex.vat	Code
Wallet for No.102 Plane	£31.94	£26.62	100658
Wallet for No. 60.1/2 Plane	£35.94	£29.95	100659





With the recent introduction of PM-V11 tool steel blades, we thought we should now offer our customers a choice of blade material when buying their new Veritas plane. Veritas bench, bevel-up or block planes (standard, low-angle or premium) can now be supplied with lapped blades made of O1, A2 or PM-V11 tool steel. Choice of blade type depends on you preferences – how you like to work, how much planing you do and your sharpening methods.

O1 blades are oil quenched and double tempered to Rc58-60. While O1 sharpens more easily than A2 or PM-V11 it also dulls more readily. O1 blades are a good choice for rapid honing, but require it more frequently. The A2 blades are air - quenched and double - tempered to Rc60-62. They hold an edge for longer than O1 but require more effort to sharpen. A premium blade material is PM-V11 tool steel (Rc61-63) it has a fine, consistent grain structure that provides significantly greater resistance to damage from both impact and wear than O1 or A2, yet is as easy to sharpen as A2. The PM-V11 steel has metallurgical properties particularly well suited for plane blades. It can take a keen edge and hold it at least twice as long in use as an A2 blade before needing sharpening; once dulled, the edge can be quickly restored using water stones or other common sharpening methods. All Veritas lapped blades have a flatness tolerance of  $\pm 0.005\text{mm}$  or better over the working surface, and with an average roughness surface finish of  $0.000127\text{mm}$  (5 microinches) or better.

## Veritas NX60 Premium Block Plane

- Body of fully stress relieved nickel-resist ductile cast iron
- Similar rust-resistant properties to stainless steel
- All knobs and adjusters made from stainless steel
- Accurately machined and surface ground
- Adjustable mouth with re-set stop
- 180mm (7") long by 44mm (1.3/4") wide plane with 12° bed angle
- Supplied with a choice of O1, A2 or PM-V11 tool steel blade

	Inc.vat	Ex.vat	Code
DX60 Premium Block Plane O1	£214.96	£179.13	717537
DX60 Premium Block Plane A2	£214.96	£179.13	717538
DX60 Premium Block Plane PM-V11	£229.96	£191.63	717539

## Veritas DX60 Block Plane

- Body made of ductile cast iron, fully stressed relieved
- All knobs and adjusters made from stainless steel
- Accurately machined and surface ground
- Adjustable mouth with re-set stop
- 180mm (7") long by 44mm (1.3/4") wide plane with 12° bed angle
- Supplied with a choice of O1, A2 or PM-V11 tool steel blade

	Inc.vat	Ex.vat	Code
DX60 Premium Block Plane O1	£214.96	£179.13	717537
DX60 Premium Block Plane A2	£214.96	£179.13	717538
DX60 Premium Block Plane PM-V11	£229.96	£191.63	717539

## Veritas Standard Block Plane

- Excellent plane for general purpose work
- Ductile cast iron body
- Comfortable to hold with a nice weight and balance
- Effective cutting angle of 45°
- Supplied with a choice of O1, A2 or PM-V11 tool steel blade

	Inc.vat	Ex.vat	Code
Standard Block Plane O1	£179.95	£149.96	717385
Standard Block Plane A2	£179.95	£149.96	717386
Standard Block Plane PM-V11	£189.95	£158.29	717387

## Veritas Low Angle Block Plane

- Ideal for working end grain
- Finger grips in each side for better control
- Combined blade advance and lateral adjustment
- Ductile cast iron body
- Supplied with a choice of O1, A2 or PM-V11 tool steel blade

	Inc.vat	Ex.vat	Code
Low Angle Block Plane O1	£179.95	£149.96	717382
Low Angle Block Plane A2	£179.95	£149.96	717383
Low Angle Block Plane PM-V11	£189.95	£158.29	717384

## Veritas Apron Plane

- Ideal for trim carpentry
- Ductile cast iron body
- Unique side wings allow for a comfortable firm grip
- Combined feed and lateral adjustment mechanism makes setting easy and accurate
- Supplied with a choice of O1, A2 or PM-V11 tool steel blade

	Inc.vat	Ex.vat	Code
Apron Plane O1	£113.95	£94.96	717501
Apron Plane A2	£113.95	£94.96	717502
Apron Plane PM-V11	£122.95	£102.46	717503

## Veritas Miniature Low Angle Block Plane

- Weight only 48g, 60mm long by 19mm wide
- Fully functional, easy to manoeuvre and control
- Cast stainless steel body
- Accurately machined and surface ground
- Stainless steel Norris-style adjuster
- A2 tool steel blade (1.5mm thick)
- Supplied in a French-fitted embossed leatherette box
- Made in Canada

	Inc.vat	Ex.vat	Code
Miniature Low Angle Block Plane	£46.94	£39.12	504079

## Veritas Miniature Shoulder Plane

- Weight only 48g, 62mm long by 6.3mm wide
- Fully functional, easy to manoeuvre and control
- Effective for fine trimming or cleaning the bottoms of narrow dados
- Stainless steel body accurately machined and surface ground
- Stainless-steel Norris-style adjuster
- A2 tool steel blade (1.5mm thick)
- Supplied in a French-fitted embossed leatherette box
- Made in Canada

	Inc.vat	Ex.vat	Code
Miniature Shoulder Plane	£40.94	£34.12	952802

## Veritas Miniature Router Plane

- Ideal for hardware installation, fine inlay or intarsia work
- 3.2mm wide A2 tool-steel blade, hardened to HRC 60-62
- Machined stainless steel body with ground and lapped sole
- Fine screw feed mechanism controls blade depth
- Weight 55g, width 75mm
- Supplied in an embossed, French-fitted presentation box

	Inc.vat	Ex.vat	Code
Miniature Router Plane	£49.94	£41.62	952975

## Veritas Miniature Edge Plane

- Fully functional 1/3-scale Veritas edge plane
- Useful for fine trimming work up to 10mm wide
- 60mm long body, 12.7mm wide A2 steel blade
- Investment-cast stainless steel precision machined
- Supplied in a French-fitted embossed leatherette box
- Weight 45g
- Made in Canada

	Inc.vat	Ex.vat	Code
Miniature Edge Plane	£42.95	£35.79	952857



## Veritas Skew Block Plane



This versatile plane excels at trimming rebates and planing end grain. Of course, you can also use it as a normal block plane. Its Norris-style adjuster guarantees precise blade setting. Machined and surface ground, the 162 x 44mm body is ductile cast iron. It has a 12° bed angle and a movable toe fully enclosed by the body casting. A Bubinga knob locks the toe to control the mouth opening. A setscrew in the throat acts as a stop allowing exact repositioning of the toe. The blade sits flush with the plane's side, so corners are clean and accurate. Setscrews on either side prevent the blade from shifting in use. An adjustable spur, ahead of the blade reduces tear out on cross grain. The blade's 15° skew, makes cutting easier and helps pull the fence into the work. A brass knob and collet lock the 88mm long, 8mm thick hardwood fence. Tapped holes in the fence casting allow the fitting of a customised fence. The plane is available in left and right hand versions. It comes with an A2 lapped blade; 3.2mm thick, 38mm wide with a 25° bevel. The lapped blades have a flatness tolerance of ±0.005mm or better over the working surface, and with an average roughness surface finish of 0.000127mm (5 microinches) or better.

	Inc.vat	Ex.vat	Code
Plane Right-Hand A2	£239.94	£199.95	950937
Plane Left-Hand A2	£239.94	£199.95	950938

## Veritas No. 4 Smoothing Plane



Due to its versatility, the No. 4 Smoothing Plane is the most commonly used bench plane. With a 240mm (9 1/2") long sole, it is the ideal size for general smoothing, finish work, trimming parts and other odd jobs. At 2kg (4lb 6oz.), it has enough mass to cut smoothly but is light enough to use without fatigue. The No. 4 is supplied with an A2 50mm (2") wide lapped blade, an **O1 tool steel blade is also available**. The lapped blades have a flatness tolerance of ±0.005mm or better over the working surface, and with an average roughness surface finish of 0.000127mm (5 microinches) or better.

	Inc.vat	Ex.vat	Code
No. 4 Smoothing Plane O1	£289.96	£241.63	717391
No. 41/2 Smoothing Plane A2	£289.96	£241.63	717392
No. 4 Smoothing Plane PM-V11	£299.95	£249.96	717393

## Veritas No. 4 1/2 Smoothing Plane



An excellent plane for the final smoothing of a surface already worked by other planes or a thickness planer. It is 254mm (10") long and 73mm (2 7/8") wide and is **available with a 60mm (2 3/8") wide lapped blade in A2**. At just over 2.26kg (5lb.), it has the mass needed for an effective smoother. The lapped blades have a flatness tolerance of ±0.005mm or better over the working surface, and with an average roughness surface finish of 0.000127mm (5 microinches) or better. **An optional O1 tool steel blade is also available.**

	Inc.vat	Ex.vat	Code
No. 41/2 Smoothing Plane O1	£289.96	£241.63	717388
No. 41/2 Smoothing Plane A2	£289.96	£241.63	717389
No. 41/2 Smoothing Plane PM-V11	£304.96	£254.13	717390

## Veritas No. 5 1/4 Bench Plane



- A good all rounder for most cabinet work
- Made from ductile cast iron
- Adjustable frog with combined feed and lateral adjust mechanism

	Inc.vat	Ex.vat	Code
No. 51/4 Bench Plane O1	£294.95	£245.79	717394
No. 51/4 Bench Plane A2	£294.95	£245.79	717395
No. 51/4 Bench Plane PM-V11	£309.95	£258.29	717396



## Veritas No. 6 Fore Plane

The No. 6 Fore Plane is ideal for smoothing and flattening large surfaces, such as panels, table tops and workbench tops. The long sole ensures accuracy, as it will not follow the bumps and valleys that a shorter plane would. At just under 3kg (6.3/4lb.) and with a sole 457mm (18") long, it is one of our largest bench planes. Supplied with a 60mm (2 3/8") wide lapped blade in A2, an O1 tool steel blade is available as an optional extra. The lapped blades have a flatness tolerance of ±0.005mm or better over the working surface, and with an average roughness surface finish of 0.000127mm (5 microinches) or better.

	Inc.vat	Ex.vat	Code
No. 6 Fore Plane O1	£319.96	£266.63	717504
No. 6 Fore Plane A2	£319.96	£266.63	717505
No. 6 Fore Plane PM-V11	£334.96	£279.13	717506

## Veritas Scrub Plane



The scrub plane is the tool of choice for major stock removal. The blade edge is ground with a 75mm (3") radius, so that it takes an aggressive cut. The curved cutting edge of the 38mm (1 1/2") wide blade gives a distinctive, hand-worked texture to the workpiece. The ductile cast iron body (273mm (10 3/4") long, weighs 1.4kg (3lb) is accurately machined and ground so that the sole is flat. **Available with either a high carbon steel blade (Rc58-60) or an A2 tool steel blade (Rc60-62).**

	Inc.vat	Ex.vat	Code
Scrub Plane with HCS Blade	£124.96	£104.13	701921
Scrub Plane with A2 Blade	£151.96	£126.63	701922
HCS Blade	£16.85	£14.04	701923



## Veritas Small Bevel-Up Bench Plane

- Use for final finishing of surfaces, end-grain work & shooting mitres
- Ductile cast iron body, fully stress-relieved, machined & surface ground
- 44mm wide 25° blade in O1, A2 or PM-V11 alloy steel
- Locking front knob controls the adjustable mouth
- Norris style adjuster for combined lateral & forward feed
- Made in Canada

	Inc.vat	Ex.vat	Code
Bevel-Up Bench Plane O1	£239.95	£199.96	717513
Bevel-Up Bench Plane A2	£239.95	£199.96	717514
Bevel-Up Bench Plane PM-V11	£254.95	£212.46	717515



## Veritas Bevel-Up Smoothing Plane

- A state-of-the-art, pure smoothing plane
- An excellent choice for even the most demanding reversing grains
- Includes a lapped 38° blade in O1, A2 or PM-V11 tool steel

	Inc.vat	Ex.vat	Code
Bevel-Up Smoothing Plane O1 38°	£264.95	£220.79	717510
Bevel-Up Smoothing Plane A2 38°	£264.95	£220.79	717511
Bevel-Up Smoothing Plane PM-V11 38°	£272.95	£227.46	717512



## Veritas Low Angle Smoothing Plane

- Ideal for shooting mitres and for end-grain work
- Adjustable mouth with unique stop-screw
- Combined feed and lateral adjustment knob for blade setting
- Ductile cast iron body
- Supplied with either O1, A2 or PM-V11 lapped 25° blade

	Inc.vat	Ex.vat	Code
Low Angle Smoothing Plane O1	£269.95	£224.96	717397
Low Angle Smoothing Plane A2	£269.95	£224.96	717398
Low Angle Smoothing Plane PM-V11	£284.95	£237.46	717399



### Veritas Low Angle Jack Plane

- Ideal for shooting mitres, working end grain and initial smoothing
- Specially shaped lever cap and machined thumb recesses on each side
- Combined feed and lateral adjustment knob, makes blade setting easy and accurate
- **Supplied with a lapped 25° bevel blade, 57mm wide**
- Choose from O1, A2 or PM-V11 blade options

	Inc.vat	Ex.vat	Code
Low Angle Jack Plane O1	£294.95	£245.79	717507
Low Angle Jack Plane A2	£294.95	£245.79	717508
Low Angle Jack Plane PM-V11	£304.96	£254.13	717509



### Veritas Bevel-Up Jointer Plane

- The largest member of our bevel-up bench planes
- Ideal for jointing edges and flattening large panels
- 57mm (2.1/4") wide 25° lapped blade in O1, A2 or PM-V11 alloy steel
- Adjustable throat plate

	Inc.vat	Ex.vat	Code
Bevel-Up Jointer Plane O1	£309.95	£258.29	717516
Bevel-Up Jointer Plane A2	£309.95	£258.29	717517
Bevel-Up Jointer Plane PM-V11	£314.95	£262.46	717518



### Veritas Bevel-Up Jointer Fence

- Consistent and accurate square or bevelled edges
- 280mm long anodized aluminium
- Can be attached to either side of the plane

	Inc.vat	Ex.vat	Code
Bevel-Up Jointer Fence	£37.94	£31.62	475146



### Veritas Bull Nose Plane

- Two planes in one
- Removable nose section
- Choice of blade options in O1, A2 or PM-V11 alloy

	Inc.vat	Ex.vat	Code
Bull Nosed Plane O1	£199.96	£166.63	717531
Bull Nosed Plane A2	£199.96	£166.63	717532
Bull Nosed Plane PM-V11	£214.96	£179.13	717533



### Veritas Small Shoulder Plane

- Fits comfortably in the hand
- Ductile cast iron body is accurately machined and finely ground
- Sole and sides are flat and square
- Micro-adjustable toe allows very fine setting of the mouth
- Low bed angle giving exceptionally clean end-grain cutting
- Set screws ensure the blade is perfectly flush
- Sole is 155mm long by 13mm wide
- Lapped blade is 3.2mm thick in O1, A2 or PM-V11 alloy

	Inc.vat	Ex.vat	Code
Small Shoulder Plane O1	£199.96	£166.63	717522
Small Shoulder Plane A2	£199.96	£166.63	717523
Small Shoulder Plane PM-V11	£214.96	£179.13	717524



### Veritas Medium Shoulder Plane

- Multi-purpose tool
- Can be used on end grain (for example, trimming tenon shoulders)
- Unique lever cap with a pivoting knob
- **Supplied with a 25° lapped blade in O1, A2 or PM-V11 alloy steel**

	Inc.vat	Ex.vat	Code
Medium Shoulder Plane O1	£199.96	£166.63	717525
Medium Shoulder Plane A2	£199.96	£166.63	717526
Medium Shoulder Plane PM-V11	£219.95	£183.29	717527



### Veritas Large Shoulder Plane

- The largest in the Veritas range of shoulder planes
- Ideal for trimming breadboard tenons, adjusting shoulders, paring down tenon cheeks
- Bubinga lever cap knob that pivots 180°
- Multi-positional front knob can be mounted on the top or on either side
- **Supplied with a 25° lapped blade in O1, A2 or PM-V11 tool steel**

	Inc.vat	Ex.vat	Code
Large Shoulder Plane O1	£229.96	£191.63	717528
Large Shoulder Plane A2	£229.96	£191.63	717529
Large Shoulder Plane PM-V11	£249.95	£208.29	717530



### Veritas Jack Rebate Plane

This plane cuts large-scale rebating down to size. The body is 385mm long and the blade extends the full width (57mm) of the body. It is suitable for very large rebates and fielded or bevelled panels. The long sole and substantial mass help ensure accuracy. The 4.8mm thick bevel-up blade makes right or left-handed corner cuts cleanly and accurately. Adjustable scoring spurs on either side of the body scribe the cut ahead of the blade, minimising tear out on cross-grain work. Mounted on two steel fence rods with brass collet screws, the 185mm long removable fence can be set up to 133mm from the shoulder. The rear tote tilts and locks to either side for knuckle clearance. The mouth is adjustable, a narrow slit for fine shavings or opened for heavier cuts. A Norris-style mechanism combines feed and lateral adjustments for easy, precise blade setting. Includes a lapped A2 blade, other blades are available in O1 or PM-V11 steel. Made in Canada.

	Inc.vat	Ex.vat	Code
Jack Rebate Plane O1	£389.95	£324.96	717519
Jack Rebate Plane A2	£389.95	£324.96	717520
Jack Rebate Plane PM-V11	£399.95	£333.29	717521



### Veritas Shooting Board Plane

- A state-of-the-art shooting board plane
- An excellent choice for squaring end grain boards
- **Includes a lapped blade of your choice**

	Inc.vat	Ex.vat	Code
Plane C/W O1 25° Blade	£359.95	£299.96	717122
Plane C/W A2 25° Blade	£359.95	£299.96	717148
Plane C/W PM-V11 Blade 25°	£374.95	£312.46	717195
Plane LH C/W O1 25° Blade	£359.95	£299.96	717307
Plane LH C/W A2 25° Blade	£359.95	£299.96	717340
Plane LH C/W PM-V11 Blade 25°	£374.95	£312.46	717341





## Veritas Detail Rebate Planes

The detail rebate plane is primarily useful for small trimming tasks. It is handy for getting into tight spaces, especially cleaning up the bottom of dados or grooves. The plane's body is ductile cast iron, 75mm long, accurately machined and ground. The sides are flat and square, allowing you to use the plane on its side for trimming tenons. The low 15° bed angle combined with the 30° blade bevel provides a 45° cutting angle exceptional for end grain cutting performance. The plane has a fixed mouth and features a shavings deflector to help prevent the mouth clogging up. A solid brass, one piece lever cap/palm rest holds the full-width blade in place. The lapped blade is made of O-1 tool steel.

	Inc.vat	Ex.vat	Code
Detail Rebate Plane 6mm	£53.45	£44.54	950902
Detail Rebate Plane 8mm(5/16")	£53.45	£44.54	950904
Detail Rebate Plane 10mm	£53.45	£44.54	950906

## Veritas Skew Rebate Planes



This rebating plane is configured with a blade skewed at a 30° angle to reduce cut resistance, aid in shaving clearance and help pull the fence tight against the workpiece. Because the blade sits flush with the side of the plane body, corner cuts are clean and accurate. It is adjustable in two axes (vertical and horizontal) for depth and projection, the scoring spur is used to reduce tear out on cross grain work. The spur can be recessed for work with the grain. The 248mm(9.3/4") long ductile cast iron body is machined with a 45° blade bed and weighs 1.5kg. Supplied with a lapped A2 tool steel blade that is 3.2mm thick and just over 41mm(1.5/8") wide.

	Inc.vat	Ex.vat	Code
Skew Rebate Plane Right Hand	£264.95	£220.79	211001
Skew Rebate Plane Left Hand	£264.95	£220.79	211003
Blade Right Hand	£36.95	£30.79	211002
Blade Left Hand	£37.94	£31.62	211004

## Veritas Side Rebate Plane



The Side Rebate Plane is used for cleaning up or trimming sidewalls of rebates, dados or grooves. The thin sole functions much like a skate, allowing use in slots as narrow as 4.8mm(3/16") and to a depth of 12.7mm(1/2"). The toe is removable for use in stopped dados and has a fixing screw that is trapped to prevent loss. The 115mm(4-1/2") long ductile cast iron plane body and the two O1 tool steel blades (HRC 58-60) are lapped. Weight 450g.

	Inc.vat	Ex.vat	Code
Side Rebate Plane	£124.94	£104.12	211005

## Veritas Edge Trimming Plane

Having both right and left-hand models available means you can accommodate grain running in opposite directions on the same board from the same reference face. The planes are ductile iron, with a 12° bed angle and 30° blade skew. The blades are 32mm(1.1/4") wide to plane material up to 25.4mm(1") wide. The fence is drilled to allow angle blocks to be fixed for cutting controlled bevels. Weight 770g(1lb 6 oz.). **Supplied with A2 steel blades with O1 tool steel available as an optional extra.**

	Inc.vat	Ex.vat	Code
Edge Trimming Plane - R/H A2	£109.94	£91.62	701952
Edge Trimming Plane - L/H A2	£109.94	£91.62	701953



## Veritas Small Plough Plane

The 168mm(6.5/8") long fence registers solidly to the workpiece and is drilled to accommodate the addition of a wooden fence extension. Double guide rods and a special collet locking system prevent the fence from racking. The fence can be offset from flush to 38mm(1.1/2") from the 6.3mm blade. The adjustable shoe controls the depth of cut (maximum 12.7mm(1/2") deep), and has relieved edges to avoid marking your work. The 228mm(9") long ductile cast iron body weighs 790g(1.3/4lb). **The plane is supplied with a 1/4"(6.35mm) wide A2 tool steel blade, or complete with all five available blades.** The other blade widths being: (1/8"(3.2mm), 3/16"(4.8mm), 5/16"(8mm) and 3/8"(9.5mm) all available separately.

	Inc.vat	Ex.vat	Code
Small Plough Plane A2	£199.96	£166.63	701945
Small Plough Plane with 5 Blades	£254.95	£212.46	701946
3.2mm(1/8") Blade	£19.94	£16.62	701947
4.8mm(3/16") Blade	£19.94	£16.62	701948
6.3mm(1/4") Blade	£19.94	£16.62	701949
8mm(5/16") Blade	£19.94	£16.62	701950
9.5mm(3/8") Blade	£19.94	£16.62	701951



## Veritas Conversion Kit for Small Plough Plane

This conversion kit allows your Veritas Small Plough Plane to accommodate tongue-cutting blades as well and straight blades over 9.5mm wide. It clamps and supports both sides of the cutter to prevent twisting in use. The kit is composed of a 125mm long machined ductile iron skate with a brass locking knob and a parallel adjustment screw (used to ensure skate and fence alignment). Easy to install or remove from the guide rods. Made in Canada.

	Inc.vat	Ex.vat	Code
Conversion Kit for Plough Plane	£43.94	£36.62	502480



## Blades for Veritas Small Plough Plane

A2 tool steel blades, lapped to a flatness tolerance of 0.005mm(0.0002"). These blades are available in five widths from 3.2mm(1/8") to 9.5mm(3/8"). Made in Canada.

	Inc.vat	Ex.vat	Code
3.2mm(1/8") Blade	£19.94	£16.62	701947
4.8mm(3/16") Blade	£19.94	£16.62	701948
6.3mm(1/4") Blade	£19.94	£16.62	701949
8mm(5/16") Blade	£19.94	£16.62	701950
9.5mm(3/8") Blade	£19.94	£16.62	701951
11mm(7/16") Blade	£20.45	£17.04	502481
12.7mm(1/2") Blade	£20.45	£17.04	502482
14mm(9/16") Blade	£20.45	£17.04	502483
16mm(5/8") Blade	£20.45	£17.04	502484
17.5mm(11/16") Blade	£20.45	£17.04	502485
19mm(3/4") Blade	£20.45	£17.04	502486
12mm Blade	£20.45	£17.04	502487
16mm Blade	£20.45	£17.04	502488
18mm Blade	£20.45	£17.04	502489
3.2mm(1/8") Tongue-Cutting Blade	£24.44	£20.37	502490
4.8mm(3/16") Tongue-Cutting Blade	£28.74	£23.95	502491
6.3mm(1/4") Tongue-Cutting Blade	£28.74	£23.95	502492
4mm Tongue-Cutting Blade	£24.24	£20.20	502493
5mm Tongue-Cutting Blade	£28.74	£23.95	502494
6mm Tongue-Cutting Blade	£28.74	£23.95	502495

## Veritas Router Plane



The Veritas Router Plane is ideal for cutting dados and grooves or for cleaning out areas to a precise depth. Blade depth is set by a fine screw feed and a positive locking depth stop sets depth of cut. **Supplied with three high carbon steel cutters: a 6.35mm(1/4") blade, a two-piece 12.7mm(1/2") blade and a two-piece 12.7mm(1/2") pointed blade.** Weight 0.9kg(2 lb). The optional fence can be positioned on either side of the plane and will work on both straight and curved pieces. If you would like to make a pair of customised handles, a hardware kit that includes two turned brass connectors, two hanger bolts, a hex bolt is available.

	Inc.vat	Ex.vat	Code
Router Plane	£169.94	£141.62	701927
Fence for Router Plane	£27.44	£22.87	701928
Jig for 1/2" Blade	£4.04	£3.37	701933
1/4" Straight Blade	£17.45	£14.54	701929
1/2" Straight Blade	£17.45	£14.54	701930
1/2" Pointed Blade	£17.45	£14.54	701931

veritas®

**NEW!**

## Veritas Cabinetmaker's Trimming Plane

- Also known as a chisel plane
- Excellent for trimming plugs or small inlays
- Durable ductile iron body
- Lapped O1 steel blade hardened to Rc 58-60.



	Inc.vat	Ex.vat	Code
Trimming Plane	£169.94	£141.62	506303
Repl Blade O1	£43.94	£36.62	506304





## Veritas Small Router Plane

A versatile tool for fine work, particularly on narrow material or in confined areas. The blade may be positioned inboard for standard closed throat use, or outboard, for true bullnose work. The ductile cast iron body is accurately machined and features a lapped sole. The plane is 82.5mm (3.1/4") wide and 57mm (2.1/4") deep, with a 6.35mm (1/4") wide high carbon steel blade. Weight 200g (7oz).



	Inc.vat	Ex.vat	Code
Small Router Plane	£42.95	£35.79	701934
A2 Blade for Small Router Plane	£11.45	£9.54	701935



## Veritas Cabinet Scraper

The sole is longer and the handles have been placed further back and slightly lower than the No.80 on which it is based. This allows pressure to be applied directly in line with the cutting edge and prevents the blade from catching when the scraper runs off the end of the workpiece. The 70mm (2.3/4") wide blade has both cutting edges ground at 45° to permit preparation of two edges at once. The 80mm (3.3/16") x 85mm (3.3/8") sole is surface ground for accuracy. The body is made from ductile cast iron, overall length 290mm (11.1/2") weight approximately 740g (1lb.10oz).

	Inc.vat	Ex.vat	Code
Cabinet Scraper	£77.94	£64.95	474843



## Veritas Flush Plane

Is it a chisel? Is it a plane? Well, in reality it is a 50mm (2") wide, go anywhere flush chisel with a multitude of flush trimming uses and unrestricted travel to the centre of the widest boards. Immensely powerful rare earth magnets really hold the blade in position when working hard. The blade can be reversed to protect the edge when not in use.

	Inc.vat	Ex.vat	Code
Flush Plane	£43.94	£36.62	368047



## Veritas Scraping Plane

The adjustable frog enables blade angles from 0° to 25°, providing fine control. Unique to this scraping plane is an integral thumbscrew that bows the blade to eliminate ridges in the work surface caused by blade corners. Supplied with a 1.4mm (0.055") high carbon steel blade suited to this technique. The 240mm (9.1/2") ductile cast iron body has been fully stress relieved, machined and surface ground on the sole. Weight is 1.8kg (4lb).

	Inc.vat	Ex.vat	Code
Scraping Plane	£205.94	£171.62	701915



## Veritas Small Scraping Plane

The scraping plane comes into action after the surface has been prepared as well as possible using a finely tuned smoothing. Because the scraping plane cuts the wood fibres rather than tears them, it will further bring out the beauty of the wood grain. **This plane is supplied with a 50mm by 1mm thick high carbon steel blade with its cutting edge ground at 45°. The pitch, or blade angle, is 20° forward from vertical.** The full width blade and adjustable palm rest (which pivots to either side) allows the plane to be used right up to a vertical face. Depth of cut is regulated by applying camber to the blade.

	Inc.vat	Ex.vat	Code
Small Scraping Plane	£109.94	£91.62	210948

## Veritas Detail Palm Planes

The Veritas Detail Palm Planes are small enough to get into tight spaces and allow great control for working fine detail. The 32mm diameter Bubinga palm knob is height-adjustable for better in-hand registration or removable for work in tight spaces. The bodies are just over 16mm wide by 38mm long and the blades are 9.5mm wide. The investment-cast steel body has a 45° bed angle and a fixed mouth, and uses a brass retention screw to secure the included 30° bevel A2 tool steel blade (1.5mm thick by 9.5mm wide). Available in four versions: flat, concave, double convex and convex. The curved versions have a 13mm radius across the body; the double convex is curved with a 100mm radius along its length. Made in Canada.

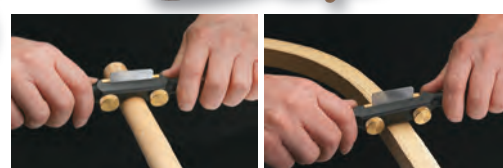
	Inc.vat	Ex.vat	Code
Flat	£56.94	£47.45	952917
Concave	£56.94	£47.45	952918
Convex	£56.94	£47.45	952919
Double Convex	£56.94	£47.45	952920
A2 Blade for Flat	£11.94	£9.95	952921
A2 Blade for Concave	£11.94	£9.95	952922
A2 Blade for Convex	£11.94	£9.95	952923



## Veritas Pullshave

The Veritas Pullshave was designed for hollowing or recessing an area; for example, shaping and smoothing chair seats. The 3mm (1/8") thick, lapped, A2 tool steel blade, and carefully machined blade bed and cap iron, combine to produce chatter free cutting. The blade bed angle is 45° and the sole radius is 89mm (3.1/2"). The ductile cast iron body is fitted with a large rear handle and a front knob of Bubinga. The twin adjustment thumb wheels quickly and accurately control the depth of cut.

	Inc.vat	Ex.vat	Code
Pullshave	£122.94	£102.45	701974



## Veritas Chair Devils

For final shaping and smoothing of round parts such as chair spindles and posts. Offered in three sizes: 12.7mm (1/2") for spindles, 22mm (7/8") for rungs, and 32mm (1.1/4") for legs and posts. The machined steel bodies are fitted with Bubinga handles. The machined toe and the two thumbscrews are solid brass. The high carbon steel blades are 1mm (0.040") thick, hardened to Rc48-52, and come with a finely ground 45° cutting edge. Full instructions included.

	Inc.vat	Ex.vat	Code
Chair Devil 12.7mm (1/2")	£61.44	£51.20	701962
Chair Devil 22mm (7/8")	£61.44	£51.20	701963
Chair Devil 32mm (1.1/4")	£61.44	£51.20	701964



## Veritas Chairmaker's Scraper

Designed primarily for chairmakers, it can be used for any other scraping task in the workshop. The appeal of this tool is that it can be used as is for scraping flat surfaces with the included straight blade. For scraping round pieces, additional blades are available: three concave shapes in 12.7mm (1/2"), 22mm (7/8") and 31mm (1.1/4") diameters and one convex (38mm (1.1/2") radius). All blades are made from 1.5mm (0.060") thick high carbon steel.

	Inc.vat	Ex.vat	Code
Chairmaker's Scraper	£59.94	£49.95	701968
Concave Blade 12.7mm (1/2")	£10.34	£8.62	701970
Concave Blade 22mm (7/8")	£10.34	£8.62	701971
Concave Blade 32mm (1.1/4")	£10.34	£8.62	701972
Convex Blade 38mm (1.1/2")	£10.34	£8.62	701973
Straight Blade	£11.15	£9.29	701969





## Veritas Scraper Shave

The Veritas Scraper Shave is a versatile small scraper suitable for small-scale work, fine detailing, or any application where a normal scraping plane would be too large. Similar in construction to the Chair Devils, it has a machined steel body, comfortable Bubinga handles, and a solid brass machined toe and thumbscrews. The high carbon steel blade is 1mm(0.040") thick and hardened to Rc48-52, with a 45° cutting edge that can be readily burnished.

	Inc.vat	Ex.vat	Code
Scraper Shave	£61.94	£51.62	701976



## Veritas Hand Beading Tool

Using a standard or custom made cutter, you can put fine detail in furniture quickly and accurately. The fence has two mounting locations to provide up to a 25mm(1") blade offset and is positional to expose one of three bearing surfaces: flat for straight and convex applications, curved for slightly concave and waved edges, and bullnose for more complex profiles. Both the fence and clamping bar are reversible for left or right-hand use. The body, clamp bar and fence are precision-machined investment cast steel. The handles are African Rosewood with brass fittings; the adjustable ball knob pivots 90° to allow varying grip. Supplied with a 2.4mm(3/32") radius single-point cutter and five blank cutters. Made in Canada.

	Inc.vat	Ex.vat	Code
Beading Tool	£74.94	£62.45	210935
Single Point Cutter	£4.64	£3.87	610392
3 Beading Cutters	£10.74	£8.95	610393
3 Fluting Cutters	£10.94	£9.12	610394
2 Reeding Cutters	£8.15	£6.79	610395
Blank Cutter	£2.04	£1.70	610396



## Veritas Cornering Tool Kit

Although at first sight they may not look it, these are actually small moulding planes designed to cut a fixed radius curve on an edge. Supplied in pairs, each tool is ground with a different radius on each end - one cutting 1/16" and 1/8" radius and the other 3/16" and 1/4". Easy to use, the plane will cut on either the push or pull stroke and will not cut more than their predetermined radius. Included in the kit is an extrusion with all 4 radii on it and a piece of 600g silicon carbide abrasive so the tools can be honed correctly and are always ready for use.

	Inc.vat	Ex.vat	Code
Cornering Tool Kit	£31.94	£26.62	510441



## Veritas Inset Plane

You could use this small plane, as it stands, in a similar way you would use a finger plane. However, the initial purpose was for use in a self-made wooden plane body. This allows you full control over the shape and function of the finished plane to suit your purpose. It is particularly useful for making a chamfer plane tailored to a specific angle. Fitting neatly into a 43mm x 19mm mortice, the cast stainless steel body has a hand finished sole, a 45° bed angle and a fixed mouth. A brass retention screw secures the included 30° bevel A2 tool steel blade (1.5mm thick by 12mm wide). Notches along the sides of the body permit mechanical glue lock. Instructions are included for creating a basic wooden body as well as chamfer guides. This is a simple way to construct a unique plane. Made in Canada.

	Inc.vat	Ex.vat	Code
Inset Plane	£38.45	£32.04	503976



## Veritas Planing Stop

A perfect holding solution when hand planing thin or wide stock on your bench top. Immensely better than nailing an off-cut of hardboard to your bench. The anodised aluminium rail projects just 5.5mm above the bench top, allowing you to plane boards as thin as 6mm without obstruction. Two steel posts, sized to fit into 19mm dog holes, slide along a T-track on the underside of the rail. A second stop at 90° makes your workpiece fully secure when working with a larger workpiece preventing it from skewing under your plane or for making cross-grain planing secure without the obstruction of clamps. Made in Canada.

	Inc.vat	Ex.vat	Code
Planing Stop	£18.95	£15.79	503966



## Veritas Plane Sacks

Veritas offer high quality plane sacks that are silicone-treated knit cotton that resists moisture. Designed much like a tube sock with a drawstring closure, the sacks keep dust and dirt off the planes and help deter rust development. A tag on the outside of the sack lets you label the plane inside. Works best with permanent pen.

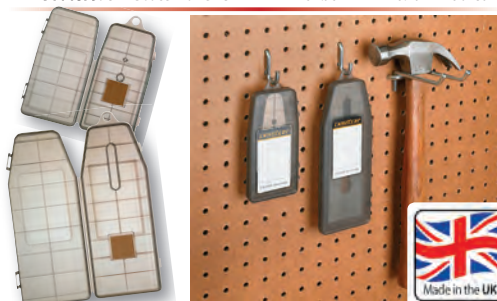
	Inc.vat	Ex.vat	Code
190mm(7.1/2") Block Plane Sack	£11.24	£9.37	477064
300mm(12") Smoothing Plane Sack	£11.94	£9.95	477023
410mm(16") Jack Plane Sack	£12.44	£10.37	476965
635mm(25") Jointer Plane Sack	£13.44	£11.20	476924

## Veritas PM-V11 Plane Blades



More than two years of research and testing by Veritas went into PM-V11, a new steel alloy. The PM refers to a process known as powder metallurgy. It involves atomising molten metals, cooling and hardening the powder, finally heating it under pressure to form an ingot. PM-V11 is a specific mixture of metals combined into a unique alloy. The resulting steel has a very fine, uniform grain structure. It is inherently more durable than steels produced using ordinary manufacturing processes. Blades made from PM-V11 are highly resistant to dulling or damage from wear and impact. These blades can take a keen edge and hold it through extended use. PM-V11 is as easy to sharpen as A2 tool steel using water stones or other common sharpening methods. Testing showed that a PM-V11 blade edge lasts at least twice as long in use as an A2 blade. Made in Canada.

	Inc.vat	Ex.vat	Code
PM-V11 for Low Angle & Standard Block Plane 25°	£44.94	£37.45	503969
PM-V11 for No.4.1/2 & No.6 Planes 25°	£61.94	£51.62	503970
PM-V11 for No.4, No.5 & No.5.1/4 Planes 25°	£58.94	£49.12	503971
PM-V11 for Low Angle Smoothing Plane 25°	£47.94	£39.95	503972
PM-V11 for Low Angle Jack & Std Bevel Up Planes 25°	£52.94	£44.12	503973
PM-V11 for Low Angle Jack & Std Bevel Up Planes 38°	£52.94	£44.12	503974
PM-V11 for Small Bevel Up Plane 25°	£47.94	£39.95	503975
PM-V11 for Jack Rebate Plane 25°	£57.95	£48.29	502394



## Veritas Plane Blade Cases

These are durable polypropylene blade cases suitable for all Veritas bevel-up and bevel-down blades, and for Stanley, Record and similar plane blades. With a one-piece, hinged clamshell design with a locking clasp, they are both easy to open and secure when closed. The raised bosses inside the case hold the blade in position. Each case has an integral hang hole and nests so you can stack multiple cases. Two self-adhesive labels provide for marking the details and a VCI (Vapour Corrosion Inhibitor) chip protects your blade from corrosion. The bevel-up blade case measures 67 x 140 x 12mm thick, suitable for all Veritas block plane blades (including apron and skew), small, low-angle and bevel-up smooth planes, plus jack and jointer planes. The bevel-down case is 75 x 200 x 12mm thick fits Veritas #4 & 41/2 smooth, #51/4 bench, and #6 fore, plus Stanley, Record and similar blades (Nos. 2, 3, 4, 41/2, 5, 51/4. 51/2. 6. 7 & 8 bench: 91/2 & 601/2 block). Made in the U.K.

	Inc.vat	Ex.vat	Code
Plane Blade Case Bevel Up	£2.15	£1.79	502387
Plane Blade Case Bevel Down	£2.64	£2.20	502388

veritas®

**NEW!**

## Veritas Canvas Apron

- Veritas hard wearing canvas apron
- Cross-over straps for a comfortable fit
- Good selection, well placed pockets
- Made in Canada



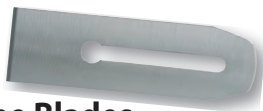
	Inc.vat	Ex.vat	Code
Canvas Apron	£45.95	£38.29	504583



## Stanley Plane Blades

Available as blade only, in which case it is known as a *single iron*, or offered complete with chip breaker and screw when they are termed a *double iron*.

	Inc.vat	Ex.vat	Code
50mm(2") (Single)	£11.94	£9.95	900227
60mm(2 3/8") (Single)	£13.44	£11.20	900228
60mm(2 3/8") (Double)	£20.94	£17.45	900222



## Laminated Plane Blades

These plane irons from a first class Japanese maker, use a high carbon steel (Blue Paper Steel #2) for the cutting edge, hardened to HRC68, laminated to a low carbon steel backing. The result is a blade, which will take a razor edge. They will cut cleaner and last many times longer than conventional plane irons. Fit Stanley, Footprint, Record and many other Bailey type planes.

	Inc.vat	Ex.vat	Code
50mm(2") Blade	£55.44	£46.20	510019
60mm(2 3/8") Blade	£57.44	£47.87	510020



## Deluxe Leather Plane Blade Wallet

The plane blade wallet has two compartments 220mm long, one 50mm and one 75mm deep. Soft and protective with stitched riveted construction and two press studs to secure the flap. Being leather it is not waterproof; that being the case we would also recommend the use of a rust inhibitor or camellia oil to protect against corrosion.

	Inc.vat	Ex.vat	Code
Plane Blade Wallet	£20.94	£17.45	340431
Camellia Oil 240ml	£16.94	£14.12	510018



## Plane Screwdriver

A standard screwdriver never really works well on cap iron screws. By the time you find one with a wide enough blade it's generally a couple of feet long and unwieldy. A narrow blade can mar the cap-screw slot, and there's always the risk that the screwdriver tip will slip out of the slot altogether. This dumpy screwdriver makes it both safe and easy to remove, replace or adjust cap irons. It features a turned brass collar surrounding the tip to capture the head of a cap iron screw up to 21/32" in diameter, and a generous Bubinga knob for a comfortable, secure grip. The slot-style tip is durable alloy steel. It fits all standard cap iron screws on current and vintage Record and Stanley planes as well as others based on them. Made in Canada.

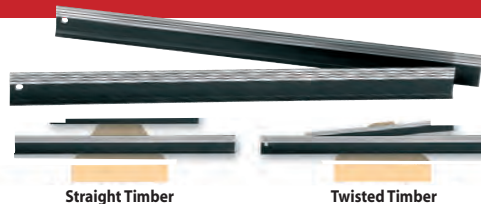
	Inc.vat	Ex.vat	Code
Plane Screwdriver	£16.44	£13.70	210904



## Rosewood Plane Handle Set

Designed to fit all bench planes, these large, comfortable rosewood handles will replace your broken or plastic handles. Supplied with a length of threaded studding (Sheffield plane thread), the only fettling you may need to do is to drill the toe screw hole if your plane requires it. A part drilled pilot hole has been provided on the underside as a guide. Suitable for bench planes No.4 and above.

	Inc.vat	Ex.vat	Code
Plane Handle Set	£24.74	£20.62	111073



## Aluminium Winding Sticks

Winding sticks are not new; woodworkers have been making them for years from scrap wood and using them to check the flatness of material. Placed at opposite ends of a board, they accentuate any twist (wind), making it easier to identify and correct. With the sticks in place, sight across their top edges. If the edges are parallel, the board is not twisted. Reposition and repeat to check the entire board. Unlike their wooden cousins, our extruded aluminium sticks will remain dimensionally stable and straight. The satin black anodised finish on one side reduces glare, and the machined section on the other side provides contrast when sighting. The machined grooves are spaced 1/8" apart to help estimate the amount of twist and how much stock to remove. The two 18" long sticks nest together and have hanging holes for easy storage. Made in Canada.

	Inc.vat	Ex.vat	Code
Winding Sticks	£21.74	£18.12	202398

## Veritas Jointer Fence

The Veritas Jointer Fence allows you to shoot accurate and consistent square or bevelled edges with iron or steel bench planes. The integral rare earth magnets make it quick and easy to attach or remove the fence from the side of the plane whilst holding it firmly in position. Holes are provided in the fence for screwing on wedge shaped strips when planing bevels other than 90°. The fence has a stop pin which can be fitted in a choice of positions depending on which size of plane (Nos. 4, 5, 6, 7 or 8) is being used and whether on the left or right hand side. This pin positions the fence correctly and stops it from sliding backwards during use. Black anodised aluminium with brass fittings give the fence the Veritas trademark appearance.

	Inc.vat	Ex.vat	Code
Jointer Fence	£47.94	£39.95	100583

## Leather Wallets for Low Angle Block Planes

Perfect companions to Lie-Nielsen's block planes - top quality leather wallets for safe storage both in the tool box and whilst working. The soft leather is bound and stitched around the edges and the flap can either be closed over the plane for storage or opened back to form a belt loop for easy access whilst working. Two sizes are available, a small one for the No. 102 plane and a larger one for the low angle No. 60 1/2.

	Inc.vat	Ex.vat	Code
Wallet for No.102 Plane	£31.94	£26.62	100658
Wallet for No. 60.1/2 Plane	£35.94	£29.95	100659



## Lie-Nielsen Plane Socks

These socks are made from a stretch knitted fabric specially impregnated with rust inhibitors. They are used to protect expensive and much loved planes, and other tools, from corrosion as well as giving some extra protection from knocks and bumps when in the toolbox. Available in four sizes to cover all block planes and bench planes from smoothers to joiners. They could also be hung from the mantelpiece in late December in the hope that a certain white-haired gentleman might call and fill them with a Lie-Nielsen plane.

	Inc.vat	Ex.vat	Code
Block Plane Sock	£7.34	£6.12	900060
Smoother Plane Sock	£7.74	£6.45	900059
Jack Plane Sock	£8.24	£6.87	900058
Jointer Plane Sock	£8.75	£7.29	900061

## Tool Care Kit

Put together and chosen to help keep planes and many other fine tools in tip top condition. The care kit consists of a fine grade rubberised abrasive block, 250ml Camellia Oil and a special oil applicator.

	Inc.vat	Ex.vat	Code
Tool Care Kit	£32.95	£27.46	719725



## ToolGuard VCI

For protecting tools in confined spaces such as cupboards and tool boxes against the damaging effects of damp and condensation; each Tool Guard pad starts emitting its protective vapour as soon as you remove the lid of its container. Larger machines and components can be protected by containing them within a plastic bag and placing several VCIs strategically within the bag. Each pad will provide up to 12 months protection in volumes up to 2 cubic feet.

	Inc.vat	Ex.vat	Code
Pack of 3	£11.94	£9.95	701615
Pack of 10	£29.94	£24.95	701616

## Camellia Oil and Applicator

Imported from Japan, camellia oil is a natural vegetable oil that has been used for centuries by Japanese craftsmen as protection against corrosion. For practical purposes the natural camellia oil is blended with other light oils to produce a low viscosity protective oil. It has a pleasant smell and used regularly forms an effective barrier against rust and corrosion. Available in a pump spray bottle 240ml. For the more frugal, we also offer a camellia oil applicator or Abura-Tsubo, which is like a giant felt tip marker as oil soaks into the 'nib' by capillary action; simply unscrew the red cap and use to paint a thin layer of protective oil onto a metal surface.

	Inc.vat	Ex.vat	Code
Camellia Oil 240ml	£16.94	£14.12	510018
Oil Applicator	£12.95	£10.79	300317

## ProtecTool Wax Polish

ProtecTool wax is a soft-paste wax specifically for protecting steel and iron. It contains a unique blend of powerful contact corrosion inhibitors.

	Inc.vat	Ex.vat	Code
ProtecTool Wax Polish 100ml	£10.94	£9.12	211835



## MetalGuard Ultra Anti Rust Coating

Tried and tested under stringent conditions and valued by a diverse group of tool users for its exceptional protection to all metals. It is used as a very effective defence against corrosion and the effects of damp conditions for up to two years, is easily wiped clean and is free from silicone content. This is an outstanding product complying with MOD and NATO standards.

	Inc.vat	Ex.vat	Code
250ml tin	£15.44	£12.87	701617





**Bulk discount available**



## GreaseXtra

A top quality versatile product with a host of uses, such as lubricating grease particularly where a high melting point and rust prevention are required or as a protective coating for machines and components in storage. Using the same inhibitors as found in the VCI Emitter, these act to give a high level of protection not only to the part in question but also surrounding metal surfaces. GreaseXtra can be used anywhere you would employ high quality grease with the plus factor of all-round protection for your metalwork.

	Inc.vat	Ex.vat	Code
250g	£15.44	£12.87	701611

**Bulk discount available**

## Garryflex Abrasive Cleaning Block

Made for removing light rust or tarnish and restoring a bright metal finish particularly to cast iron and steel. Garryflex is a block approximately 80mm x 50mm x 20mm made of a rubber like compound impregnated with silicon carbide abrasive particles. Available in coarse 60g (Blue), medium 120g (Dk Grey) and fine 240g (Brown). The blocks can be used dry but for best results use a lubricant such as water, paraffin, oil, camellia oil etc. (Do not use WD40 or similar as these tend to eat away at the compound). Garryflex blocks can also be cut to shape if necessary; the amount of elbow grease used with this product is entirely optional.

	Inc.vat	Ex.vat	Code
60 Grit	£5.75	£4.79	272789
120 Grit	£5.75	£4.79	272053
240 Grit	£5.75	£4.79	272364
Set of 3	£15.95	£13.29	719427

# Spokeshaves



## Axminster Spokeshaves

A traditional style of spokeshave with a 250mm long body and fully adjustable blade, 55mm long. Available with either flat or curved base.

	Inc.vat	Ex.vat	Code
Flat Base	£10.44	£8.70	200257
Curved Base	£10.44	£8.70	200258



## Stanley No.151 Spokeshave

Made from fine grey iron with epoxy black finish. The 54mm (2.1/8") cutter has full lateral and vertical adjustment. Available with either flat or round base for convex or concave work.

	Inc.vat	Ex.vat	Code
Flat Base	£20.75	£17.29	900172
Curved Base	£20.75	£17.29	900176
Replacement Blade	£5.45	£4.54	900219

Veritas

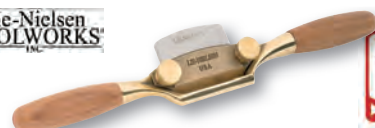
## Veritas Low Angle Spokeshave



This spokeshave returns to a traditional design of many years ago with the blade set at 20° and with a 25° micro bevel which produces a very clean cut. Cutting depth is adjusted by altering the position of the toe piece rather than the blade, which is fixed to the body. The shape of the body allows it to be used in the conventional position for flat or convex work whilst turned over it can be used for concave work. The body is cast aluminium whilst the blade is a high quality tool steel which holds its edge over a long period of time. Another fine product from Veritas.

	Inc.vat	Ex.vat	Code
Spokeshave	£69.95	£58.29	800134

Lie-Nielsen TOOLWORKS



Online VIDEO available

## Lie-Nielsen Boggs Spokeshaves

The result of collaboration between Lie-Nielsen Toolworks and Kentucky Master Chair Maker Brian Boggs. The body and cap are solid bronze and the spokeshave is fitted with hickory handles. The sole is 25mm (1") wide, the blade a 50mm (2") x 3.2mm (1/8") x 3.2mm (1/8") piece of A2 tool steel. The curved base version has a base with a radius of 125mm (5") and is intended for use on concave surfaces. It is possible for the user to modify the sole for tighter radii.

	Inc.vat	Ex.vat	Code
Flat Base	£121.94	£101.62	260319
Curved Base	£121.94	£101.62	260920
Blade Only	£36.44	£30.37	260755
Leather Wallet	£22.94	£19.12	100657

Veritas



NEW!

## Veritas Miniature Spokeshave

This spokeshave is the latest addition to the Veritas line of fully functional miniature tools. At less than an ounce and only 89mm long overall, it is a third the size of their regular flat-bottomed spokeshave, and is useful for making fine shaping cuts where a full-sized tool would be too bulky or awkward to use. Made of investment-cast stainless steel, the low profile body has a 45° blade bed, a tight fixed mouth opening and bubinga handles. The sole and blade bed are machined. The 19mm wide and 1.6mm thick A2 blade is hardened to Rc60-62 and also available as a spare. Supplied in a fitted embossed leatherette box, it makes a great gift.

	Inc.vat	Ex.vat	Code
Miniature Spokeshave	£40.94	£34.12	506305
Repl Blade	£7.14	£5.95	506306

Veritas



## Veritas Large Spokeshave

This large spokeshave is ideally suited for shaping large, gently curved projects such as buckets, barrels, coopered doors, masts and paddle blades. The thick blade, carefully machined lever cap and blade bed all combine to produce chatter free cutting in virtually all conditions. The 3.2mm (0.125") thick blade (A2 tool steel) is seated at 45° to the sole. The ductile cast iron body is fitted with African rosewood handles, shaped for comfort and control, offering several ways to grip the tool comfortably with



## Veritas Spokeshaves

Veritas

The 3.2mm (1/8") thick A2 steel blade, machined lever cap and blade bed achieve chatter free cutting in virtually all conditions. The ductile cast iron body is fitted with Bubinga handles, shaped for comfort and control. The toe serves as a thumb rest allowing the user to choke up on the body to attain exceptional control. Twin adjustment wheels quickly and accurately control cut depth and skew and shims let you adjust the mouth opening as needed. The round spokeshave has a 44.5mm (1.3/4") radius. The concave spokeshave is popular with chair and paddle makers, with a 45° bed angle and a sole radius of 33.3mm (1.5/16"). Each spokeshave weighs about 450g (12 oz.), 267mm (10.1/2") long overall.

	Inc.vat	Ex.vat	Code
Curved Base Spokeshave	£89.94	£74.95	701956
Flat Base Spokeshave	£89.94	£74.95	701957
Replacement Blade 54mm (2.1/8")	£24.24	£20.20	701958
Concave Spokeshave	£96.95	£80.79	701959

Lie-Nielsen TOOLWORKS



Online VIDEO available

## Lie-Nielsen Small Bronze Spokeshaves

Based on an Edward Preston tool from the 1930s, this is Lie-Nielsen's first spokeshave. Finely cast in bronze with an A-2 steel blade cryogenically treated and hardened to Rockwell 60-62. The blade is supplied with a 25° bevel and bedded at 40° to the sole bevel down. The spokeshave is designed for removing fine shavings from, and the precise shaping of, workpieces. A good analogy would be the smoothing plane of spokeshaves. A very solid feeling tool, available with either a flat sole for convex or a curved sole for concave work. 170mm (6 3/4") long with a 16mm (5/8")

	Inc.vat	Ex.vat	Code
Flat Base	£85.94	£71.62	421060
Curved Base	£85.94	£71.62	421061
Leather Wallet	£17.94	£14.95	100656

Lie-Nielsen TOOLWORKS



Online VIDEO available

## Lie-Nielsen Concave Boggs Spokeshave

The Boggs Concave Spokeshave has a 67mm (2.5/8") diameter sole that is concave making it suitable for working chair spindles and other round parts. It weighs 225g and overall is 245mm (9.5/8") long fitted with an A-2 blade 28.5mm (1.1/8") x 3.2mm (1/8") thick, bronze body and cap with Hickory handles.

	Inc.vat	Ex.vat	Code
Concave	£121.94	£101.62	701422



no corners or edges to cause discomfort when either pulling or pushing. The toe provides a convenient thumb rest that allows the user to choke up on the body to achieve an unusual degree of control for fine work. The twin adjustment thumb wheels quickly and accurately control the depth of cut and skew. Overall length 470mm, blade width 65mm, weight 600g

	Inc.vat	Ex.vat	Code
Large Spokeshave	£99.95	£83.29	210947



## Axminster Bevel Edge Chisels

We have tested these chisels extensively and proved them to be of exceptional value. The handles are shatterproof with rubberised inserts for comfort and more importantly a more secure and safer grip. A large steel striking button on the top end allows for the occasional blow from a hammer should the need arise. The blades are fine ground all over, and hardened to HRC 56-62. Only a light honing is necessary to produce a keen lasting edge. Available in sizes: 6, 13, 19, 25, 32, 38 and 50mm. 265mm long overall with a 130mm long handle.

	Inc.vat	Ex.vat	Code
6mm	£3.95	£3.29	950167
13mm	£4.25	£3.54	950168
19mm	£4.44	£3.70	950169
25mm	£4.74	£3.95	950170
32mm	£5.24	£4.37	950171
38mm	£5.94	£4.95	950172
50mm	£7.44	£6.20	950173



**Bulk discount available**

## Axminster Bevel Edge Chisel Sets

These exceptionally well priced sets of bevel edged chisels housed in strong zippered cases are available as either a four or six piece set. The shatterproof handles have soft rubberised inserts for comfort and a firm grip. A large steel striking button on the top of the handle will take a blow from a steel hammer. The blades, which are socketed into the handles, are fine ground all over, and hardened to HRC 56-62 ready to take the honing necessary to produce a really keen edge. The four piece set contains: 6mm, 13mm, 19mm and 25mm (1/4", 1/2", 3/4" & 1"). The six piece includes an additional 32mm and 38mm (1.1/4" & 1.1/2").

	Inc.vat	Ex.vat	Code
Set of 4	£17.94	£14.95	952912
Set of 6	£29.94	£24.95	952913



## Stanley FatMax Bevel Edge Chisels

Made very much for the professional end user, these chisels represent a great deal of research and development on the part of Stanley. The shatterproof handle is longer than most other chisels on the market for maximum control. It also incorporates soft feel urethane panels for comfort in all situations, and has been given a steel striking cap should anyone be tempted to use a hammer rather than a mallet, at least the option is available if the mallet has gone walkabout. As one would expect, the same high level of attention has been paid to the blade. Made from EN31 high quality ball-bearing steel and then fully ground and finished for an excellent edge.

	Inc.vat	Ex.vat	Code
6mm	£10.44	£8.70	900158
10mm	£10.74	£8.95	900159
12mm	£10.94	£9.12	900160
15mm	£11.34	£9.45	900161
16mm	£11.45	£9.54	900162
18mm	£11.94	£9.95	900164
22mm	£13.44	£11.20	900165
25mm	£13.74	£11.45	900166
32mm	£14.75	£12.29	900167
38mm	£17.75	£14.79	900168
50mm	£22.44	£18.70	900169
Set of 3 (12, 18 & 25mm)	£32.94	£27.45	900197
Set of 5 (6, 12, 18, 25 & 32mm)	£49.94	£41.62	900198



## Bahco 424P Bevel Edge Chisels

Bevel edge chisels made using Bahco's own high alloyed steel. The finely ground blades are slightly thicker than normal and the bolster slightly heavier, these two factors combining to give a chisel with excellent balance and a high degree of precision. The two component handles, as one would expect from a leading exponent of ergonomic tools, are shaped to be comfortable and impart maximum control whether using a mallet to strike the tool or carrying out a delicate paring task. All Bahco 424P chisels are supplied with a protective holster that can be hung from the belt or on the workshop wall.

	Inc.vat	Ex.vat	Code
4mm	£10.25	£8.54	266178
6mm	£10.44	£8.70	266309
10mm	£10.94	£9.12	266352
12mm	£11.24	£9.37	266457
16mm	£11.75	£9.79	266857
18mm	£11.94	£9.95	266028
22mm	£12.44	£10.37	266879
25mm	£12.95	£10.79	266227
32mm	£13.74	£11.45	266149
38mm	£14.75	£12.29	266522



**Bulk discount available**

## Kirschen 1101 Bevel Edge Chisel Set

The Kirschen bevel edged chisels are a fine example of a time when chisel makers took care to ensure that the handle was matched to the blade width. In this case the chisels are fitted with graduated sizes of white beech handles. From the 6mm to the 26mm blade, each well-shaped handle is fitted with a steel ferrule. The blades are fully polished front and back and produced from Kirschen's own high carbon steel. The six piece set comprises 6, 10, 12, 16, 20 and 26mm widths in a wooden case. The four piece set comprises 10, 16, 20 and 26mm widths.

	Inc.vat	Ex.vat	Code
Set of 6	£94.96	£79.13	510481
Set of 4	£54.95	£45.79	504667



## Kirschen 1002 Bevel Edge Chisels

Beautiful bevel edge chisels from Wilhelm Schmitt of Remscheid, Germany. The blades are made from their own specially developed high carbon steel, ground and fully polished, including the all important back of the chisel which is the bit that really matters. The handle is a traditional octagonal continental shape from hornbeam with both top and bottom ferrule. In addition the top is fitted with a hammer button. These chisels are designed and manufactured by a company with over 135 years of experience in producing some of the finest tools in the world.

	Inc.vat	Ex.vat	Code
4mm	£15.46	£12.88	510479
6mm	£15.46	£12.88	510480
10mm	£15.46	£12.88	510471
12mm	£15.46	£12.88	510472
16mm	£15.46	£12.88	510473
20mm	£16.45	£13.71	510474
22mm	£19.25	£16.04	510475
26mm	£19.25	£16.04	510476
30mm	£20.45	£17.04	510477
32mm	£24.76	£20.63	510478



## Japanese Bevel Edge Chisels

The same care and attention that goes into their traditional tools goes into the production of these Japanese made chisels. The difference being, these are in the western style with a blade length of approximately 100mm (4"). A broad bolster and tough polypropylene handle complete the tool. The overall length is approximately 255mm (10"). The blades of these professional grade chisels are made of high grade steel alloyed with chrome and vanadium. Carefully hardened and tempered, they hold a razor edge for far longer than an equivalent western chisel. They have good balance in the hand and are suitable for both site and finer bench work.

	Inc.vat	Ex.vat	Code
6mm	£14.45	£12.04	502221
10mm	£14.75	£12.29	502222
12mm	£14.94	£12.45	502223
19mm	£16.14	£13.45	502224
25mm	£17.45	£14.54	502225



## Japanese Oire Nomi Special Alloy Chisel Set

These chisels, available only in a set of 5, are made from a special alloy steel, similar to high speed steel, laminated to a softer steel base. The harder edge steel, approximately HRC 68 will better withstand continual use on particle board and knotty timbers. Sharpening procedure is the same as for other Japanese chisels. Sizes are 9, 15, 24, 30 and 36mm.

	Inc.vat	Ex.vat	Code
Set of 5	£259.94	£216.62	110029



## Japanese Oire Nomi Chisels

Oire Nomi are the standard chisel used by Japanese carpenters and cabinet makers. These chisels have a blade length of approximately 62mm (2.1/2") with longer shoulders and tangs. They are well balanced and will take a blow from a hammer for heavier work as well as taking the thinnest of paring cuts for fine work. The overall length is approximately 230mm (9"). These professional grade chisels are made using high carbon steel (White Paper #2 steel) laminated to a softer low carbon backing steel. They are hardened to over HRC 65 and will hold a razor edge for far longer than an equivalent western chisel. They feature red oak handles, fitted with steel hoops finished with a mushroomed top ready to go.

	Inc.vat	Ex.vat	Code
3mm	£43.94	£36.62	610370
6mm	£43.94	£36.62	610374
12mm	£45.44	£37.87	610365
18mm	£47.94	£39.95	610367
24mm	£52.94	£44.12	610369
Set of 4 (6, 12, 18, 24mm)	£174.95	£145.79	610376



# Chisels



## 6 Piece Japanese Chisel Set

These forged, laminated Japanese chisels have longer than usual handles made of tough white oak. This gives them a far more comfortable feel in the hands of a western woodworker. The blades are approximately 62mm (2.1/2") long, both tanged and socketed into the handle. Their hollow backs make sharpening easier and reduce friction when paring. A steel ring on the top of the chisel protects the handle from mallet or hammer blows. The overall length is approximately 250mm (10"). This set, complete in a stylish wooden box, comprises the six most popular sizes: 6mm, 8mm, 12mm, 18mm, 24mm and 30mm.



	Inc.vat	Ex.vat	Code
Set of 6	<b>£149.94</b>	£124.95	502265



## Veritas Bench Chisels

Turned and milled from O1 tool steel (HRC 58-60), each chisel has superb balance. The blades taper from shoulder to tip for strength and rigidity. Parallel sides and true bevel edges give full clearance when working into a corner. Lapping to a flatness of  $\pm 0.0127\text{mm}$  (0.0005") or better over the entire surface ensures the face of the blade is smooth and true. The blade-to-handle connection is with a tang and a socket-like ferrule. The chisels are available in 1/4", 3/8", 1/2", 3/4" and 1" widths, with blades ranging from 117mm to 130mm long. The 1/4" and 3/8" chisels have 30° primary bevel angles; the others are ground at 25°. All have 2° micro bevels and require only final honing before use. Made in Canada.

	Inc.vat	Ex.vat	Code
6.3mm(1/4")	£57.95	£48.29	502437
9.5mm(3/8")	£55.94	£46.62	502438
12.7mm(1/2")	£57.95	£48.29	502439
19mm(3/4")	£70.94	£59.12	502440
25.4mm(1")	£77.94	£64.95	502441



## Deluxe Leather Chisel & Tool Rolls

We have these soft leather chisel rolls exclusively made for us. The traditional design, with the tools being stored alternately in the top and tail position, has many advantages. Your tools have much better protection when rolled up and the final package is much neater and easier to store. Brass rivets reinforce the upper ends of the pockets for additional strength. Please note, whilst this item will protect from knocks, bumps and scratches, being leather it is not waterproof. Because of this, we would also recommend the use of a rust inhibitor or camellia oil to protect against corrosion.

	Inc.vat	Ex.vat	Code
Chisel Roll 8 pocket	<b>£36.44</b>	£30.37	504084
Chisel Roll 12 pocket	<b>£42.44</b>	£35.37	504085
Carver's Roll 12 pocket	<b>£42.95</b>	£35.79	504086
Camellia Oil 240ml	<b>£16.94</b>	£14.12	510018



## Veritas PM-V11 Bench Chisels

PM-V11 is a new innovative steel alloy and is extremely durable. It can withstand the impact of heavy chopping cuts, even at bevel angles as low as 20°. It is highly wear-resistant, with an edge typically lasting twice as long as an A2 blade before it needs re-sharpening. It is as easy to sharpen as A2 steel using common methods such as water stones. Veritas lap each blade to a flatness tolerance of  $\pm 0.0127\text{mm}$  over the entire surface. The hard maple handle has been kiln-baked at a high temperature, sealing it against humidity changes. The chisels are available in 1/4", 3/8", 1/2", 3/4" and 1" widths, with blades from 117mm to 130mm long. The hardness is HRC 61-63. The 1/4" and 3/8" chisels have 30° primary bevels; the others are 25°. All have 2° micro bevels, and require only final honing before use. Made in Canada.

	Inc.vat	Ex.vat	Code
1/4"(6.3mm)	<b>£71.94</b>	£59.95	503977
3/8"(9.5mm)	<b>£71.94</b>	£59.95	503978
1/2"(12.7mm)	<b>£74.94</b>	£62.45	503979
3/4"(19mm)	<b>£83.94</b>	£69.95	503980
1"(25.4mm)	<b>£89.94</b>	£74.95	503981



## Lie-Nielsen Bevel Edge Socket Chisels

Socket chisels are far stronger, the handles less likely to break than those fitted to tanged chisels and the handles can easily be replaced. At 230mm long, these chisels from Lie-Nielsen are particularly comfortable in the hand and have excellent balance. The blades are made of A-2 Tool Steel, hardened to Rockwell 60-62, cryogenically treated and double tempered. The edges are square, parallel along the length and very narrow, so you can get into tight places. The backs are ground flat and finished by hand. The bevel is flat ground at 30°, little additional honing is required.

	Inc.vat	Ex.vat	Code
3.2mm	<b>£62.94</b>	£52.45	202201
4.8mm	<b>£49.94</b>	£41.62	202202
6.3mm	<b>£49.94</b>	£41.62	202203
8mm	<b>£49.94</b>	£41.62	202204
9.5mm	<b>£49.94</b>	£41.62	202205
11mm	<b>£49.94</b>	£41.62	202206
12.7mm	<b>£49.94</b>	£41.62	202207
16mm	<b>£49.94</b>	£41.62	202208
19mm	<b>£49.94</b>	£41.62	202209
25mm	<b>£62.94</b>	£52.45	701420



## Lie-Nielsen Bevel Edge Socket Chisels in O-1 Steel

O-1 tool steel holds an edge much better at lower angles, 25° or less. This makes these chisels much more useful for paring or slicing tasks, where a more acute cutting angle works best. Lie-Nielsen produce five sizes in O-1 tool steel, each ground at 25°. They are available as a set or individually. The sizes are 3.2mm, 6.3mm, 9.5mm, 12.7mm and 19mm. They are forged in the traditional socket style for strength and fitted with polished Hornbeam handles. The sides are square and parallel with thin edges to give maximum access. The backs are ground flat and hand finished. Overall length: 230mm (9"), blade length 85mm (3.3/8").

	Inc.vat	Ex.vat	Code
3.2mm(1/8")	<b>£62.94</b>	£52.45	950304
6.3mm(1/4")	<b>£49.94</b>	£41.62	950305
9.5mm(3/8")	<b>£49.94</b>	£41.62	950306
12.7mm(1/2")	<b>£49.94</b>	£41.62	950307
19mm(3/4")	<b>£49.94</b>	£41.62	950308

## Kirschen Butt Chisel Set

Butt chisels made with Kirschen's own superior steel. This set of four, consists of 6, 12, 20 and 25mm, each one is 160mm long including the dyed beech wood handle.



	Inc.vat	Ex.vat	Code
Set of 4	<b>£54.95</b>	£45.79	202317



## Crown Butt Chisel Sets

These British made butt chisels fulfill the need for a short, compact and controllable tool. Made with fine Sheffield steel blades, fully polished front and, most importantly, the back. Fitted with a slightly bulbous, well shaped, rosewood handle and solid brass ferrule.

Two sets are available - a four piece set comprising 1/4", 1/2", 3/4" and 1" and a seven piece set comprising 1/4", 3/8", 1/2", 5/8", 3/4", 7/8" and 1". The overall length is approximately 6", the handle diameter increasing with the blade width.

	Inc.vat	Ex.vat	Code
Set of 4	<b>£54.95</b>	£45.79	110263
Set of 7	<b>£99.95</b>	£83.29	111002



## Veritas PM-V11 Butt Chisels

- Extremely durable PM-V11 steel alloy
- At least twice the edge life of A2 steel
- Highly wear-resistant, yet easy to sharpen
- Blades lapped to a flatness tolerance of  $\pm 0.0127\text{mm}$
- Maple handle, kiln-baked to seal it against humidity changes
- Hardness is HRC 61-63
- All have 2° micro bevels and require only final honing before use
- Made in Canada



	Inc.vat	Ex.vat	Code
1/4"(6.3mm)	<b>£61.94</b>	£51.62	506307
1/2"(12.7mm)	<b>£64.94</b>	£54.12	506308
3/4"(19mm)	<b>£72.95</b>	£60.79	506309
1"(25.4mm)	<b>£76.94</b>	£64.12	506310
1.1/2"(38mm)	<b>£94.94</b>	£79.12	506311
2"(50mm)	<b>£102.95</b>	£85.79	506312



## Lie-Nielsen Drawer Lock Chisels

There are specialist tools without which certain jobs would be nigh on impossible. Take the humble looking drawer lock chisel. This pair of chisels is indispensable for cutting small mortises in tight places. They take their name from cutting the mortice to accommodate the bolt of a drawer lock. Produced in O-1 tool steel the Lie-Nielsen version is a vastly improved design over the traditional. The cutting edges are at 90° to the shaft with one edge at right angles to the other. There is a flat behind each blade for a hammer blow. The pair comprises a left and right-handed chisel. Precision ground, 100mm overall length, blade widths are 12.7mm and 6.35mm, blade length is 25mm.

	Inc.vat	Ex.vat	Code
Chisels (Pair)	£67.94	£56.62	212475



## Lie-Nielsen Cabinet Maker's Mortice Chisels

Designed for the cabinet maker, rather than the timber framer, these well balanced mortice chisels are ground with parallel sides and are taller than they are wide to help keep them straight in the cut. The Lie-Nielsen Mortice Chisels have handles made from tough durable Hornbeam. The blades are cryogenically treated and hardened to Rockwell 60-62. **The set of five is supplied complete with a tool roll.**

	Inc.vat	Ex.vat	Code
4.8mm	£58.94	£49.12	202223
6.3mm	£58.94	£49.12	202224
8mm	£58.94	£49.12	202225
9.5mm	£58.94	£49.12	202226
12.7mm	£58.94	£49.12	202227
5 Piece Set in Tool Roll	£299.94	£249.95	718075



## Kirschen Joiner's Mortice Chisels

Heavy duty mortice chisels, fitted with large hornbeam handles. A leather washer is fitted between the stout rectangular section blade and the handle. The handle is reinforced with a steel ferrule and top ring. These are very traditional tools made to Kirschen's traditional high quality. Made in Germany.

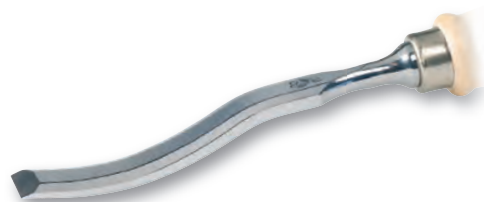
	Inc.vat	Ex.vat	Code
6mm	£31.75	£26.46	202429
8mm	£31.75	£26.46	202430
10mm	£31.75	£26.46	202431
12mm	£33.46	£27.88	202432
16mm	£35.75	£29.79	202434



## Henry Taylor Long Thin Bevel Edge Paring Chisels

Made by Henry Taylor of Sheffield, the blade tapers towards the cutting edge and the back is carefully ground flat. Blade length approximately 190mm (7.1/2").

	Inc.vat	Ex.vat	Code
6.3mm (1/4")	£28.94	£24.12	910173
12.7mm (1/2")	£29.45	£24.54	910174
19mm (3/4")	£31.44	£26.20	910175
25.4mm (1")	£36.95	£30.79	910176
32mm (1.1/4")	£45.44	£37.87	910177



## Kirschen S-Form Paring Chisel

A slightly different take on the cranked paring chisel. Kirschen have used one of their famous bevel edge chisels and forged the blade into a gentle double curve which raises the handle by about 40mm above the work. Hornbeam handles, 275mm overall length, fully polished blade. Made in Germany.

	Inc.vat	Ex.vat	Code
10mm	£18.25	£15.21	202370
16mm	£18.25	£15.21	202371
20mm	£19.45	£16.21	202372



## Lie-Nielsen Fishtail Chisels

These Lie-Nielsen Fishtail Chisels are perfect for reaching the back corners of half-blind dovetails and paring or fine tuning in other hard to reach areas. Their unique shape offers versatility for right and left hand recesses. The edge is ground with a 25-degree bevel. The special O-1 tool steel has been chosen because it will hold a keen edge at lower bevel angles, and for ease of sharpening. The chisel is hardened to RC 60-62, and fitted with a socket style hornbeam handle.

	Inc.vat	Ex.vat	Code
9.5mm (3/8")	£67.94	£56.62	210944
12.7mm (1/2")	£67.94	£56.62	210945
16mm (5/8")	£67.94	£56.62	210946



## Pair of Kirschen Skewed Chisels

Finely ground and polished bevel edge blades, with the edge at 45° to produce a clean shearing action when used across the grain. Great chisels for fine tuning tenons and many other types of joint. Sold as a pair, left and right and available. Hornbeam handles, 270mm overall length. Made in Germany.

	Inc.vat	Ex.vat	Code
12mm (Pair)	£29.45	£24.54	202373
20mm (Pair)	£33.95	£28.29	202374



## Kirschen 2-Cut Chisel

This is a truly handy tool that will find a welcome from joiners, carpenters, plumbers, electricians, roofers and more. This almost universal tool has two cutting edges, one at the tip and a second along one side, hence the name. It resembles a chisel and will function as such, or as a scraper, a knife, a hacking knife, the list goes on. Kirschen's renowned quality steel, fine grinding and polishing give it a real edge. The full blade length is salt bath hardened to 60HRC. The blade is 26mm wide with 90mm long side edge. It includes a ballistic nylon belt holster with a cut resistant lining.

	Inc.vat	Ex.vat	Code
2-Cut Chisel	£27.25	£22.71	502278



## Ansells Forged All-Steel Wood Chisels

When it comes to the most rugged chisel of all, there can be no better design than a one-piece solid steel forging. These Sheffield forged examples use chrome vanadium steel for toughness and to ensure they are up to all the demands placed upon them. These chisels have greater strength over normal handled chisels. Use these for heavy jobs such as roofing and large framing joints and strike with a hammer. Available straight or cranked giving the option of taking a paring cut. The overall length is approximately 350mm (14"). Experience has shown these chisels are finding far more uses, lifting old floor tiles, cutting neat channels into plaster, and generally being an incredibly handy tool.

	Inc.vat	Ex.vat	Code
30mm Straight	£19.94	£16.62	952809
25mm Straight	£19.25	£16.04	504042
50mm Straight	£21.74	£18.12	952810
40mm Cranked	£22.74	£18.95	952811



## Forged Steel Chisel

A robust all steel chisel, suited to heavy carpentry work such as framing with large timbers and cutting the size of joint usually found on large gates, fences and other outdoor structures. The width of the blade is 50mm and the overall length is about 300mm. There is a very solid flanged grip fitted to the shaft which not only gives something to hang on to but also will protect you from stray hammer blows. Made in Sheffield.

	Inc.vat	Ex.vat	Code
50mm	£20.94	£17.45	301709



## Victor In-Cannel Gouge Set

These gouges are used for such specialist work as scribing the shoulders of tenons formed on round components, chair legs for example. This set is made exclusively for Axminster Tool Centre in Sheffield, hand forged from the best high carbon steel and carefully finished in 1/4", 1/2" and 3/4" sizes. It is aimed at the keen woodworker who values his or her tools both for their function and their appearance. N.B. The bevel is on the inside of the gouge, therefore the cutting edge on the outside of gouge.

	Inc.vat	Ex.vat	Code
Set of 3	£72.95	£60.79	200638

## Victor Out-Cannel Gouge Set

These gouges are used for making hollows, trenches and other concave shapes, finger pulls for example. The set is made exclusively for Axminster Tool Centre in Sheffield, hand forged from the best high carbon steel and carefully finished in 1/4", 1/2" and 3/4" sizes. It is aimed at the keen woodworker who values his or her tools both for their function and their appearance. N.B. The bevel is on the outside of the gouge, therefore the cutting edge on the inside of gouge.

	Inc.vat	Ex.vat	Code
Set of 3	£69.95	£58.29	200639



# Chisels & Scrapers



**Bulk discount available**

## Beechwood Carpenter's Mallets

Made from solid, carefully selected beech. A very well made tool at an economical price. Dimensions shown below are width across the head.

	Inc.vat	Ex.vat	Code
90mm	£7.44	£6.20	274341
100mm	£8.45	£7.04	400403
125mm	£9.44	£7.87	400404
150mm	£14.24	£11.87	400406



## Thor White Rubber Mallet

A superb dual purpose tool which can be used instead of the traditional wooden mallet for striking chisels and for the 'knocking' together of frames and joints without bruising the timber. Non marring rubber head, self locking ash handle.

	Inc.vat	Ex.vat	Code
570g(20oz)	<b>£7.94</b>	£6.62	900487

Lie-Nielsen TOOLWORKS



## Lie-Nielsen Corner Chisels

The Lie-Nielsen corner chisel is a modern design based on the traditional corner chisel or bruzz. It is most useful when the mortice has been cut with a router or slot morticer producing round edged mortices. It helps square corners easily and precisely. Made from O1 Tool Steel, the cutting edge is hardened to Rockwell 60-62 and ground razor sharp. Fitted with Hornbeam handles, blade length 146mm (5-3/4"), overall length is 245mm (9-5/8").



	Inc.vat	Ex.vat	Code
6.3mm(1/4")	£67.94	£56.62	210955
9.5mm(3/8")	£67.94	£56.62	210956
12.7mm(1/2")	£67.94	£56.62	210957

## Corner Chisel

Tools do not get any simpler than this one. A high quality tungsten steel corner chisel is sharpened in-cannel fashion and held into a spring-loaded steel bodied jig. Absolutely perfect for knocking the rounded corners out of a routed hinge recess; simply place the chisel into the rounded corner, hit once with a hammer or mallet and then pare out the waste for a perfect cut every time!



	Inc.vat	Ex.vat	Code
Corner Chisel	£6.74	£5.62	340437



## Veritas Magnetic Corner Chisel

This chisel is designed specifically for squaring off the corners of routed hinge gains. The 9.5mm(3/8") square blade is precision ground with a 35° bevel on each face, made of long wearing A2 tool steel, and hardened to Rc60. Though it can be used on its own, greater accuracy is ensured by use of the 50mm tall anodized aluminum guide block. Two embedded rare earth magnets hold the chisel squarely in place, while the outside faces of the block register against the routed pocket. A tap on the chisel cuts the corner square and flush with the routed edges. You will come to appreciate the fine edge and long wearing properties of the chisel when you finally have to resharpen it, as sharpening corner chisels is never an easy task!

	Inc.vat	Ex.vat	Code
Magnetic Corner Chisel	£37.94	£31.62	475273



## Crown Corner Cleaning Chisels

Just how do you remove dried glue from an inside corner or generally clean up in those hard to reach but often not noticed spots? That's just what this pair of rosewood handled tools have been made for. Made from 1/4" square tool steel, one cranked right, one left. In fact the design is quite old, we can only describe these as nifty tools that are going to get well used.

	Inc.vat	Ex.vat	Code
Corner Chisels (Pair)	£14.94	£12.45	111014



## Veritas Cabinet Scraper

The sole is longer and the handles have been placed further back and slightly lower than the No.80 on which it is based. This allows pressure to be applied directly in line with the cutting edge and prevents the blade from catching when the scraper runs off the end of the workpiece. The 70mm(2.3/4") wide blade has both cutting edges ground at 45° to permit preparation of two edges at once. The 80mm(3.3/16") x 85mm(3.3/8") sole is surface ground for accuracy. The body is made from ductile cast iron, overall length 290mm(11.1/2") weight approximately 740g(1lb.10oz).

	Inc.vat	Ex.vat	Code
Cabinet Scraper	£77.94	£64.95	474843
Replacement Blade	£12.74	£10.62	477459



## Lie-Nielsen Cabinet Scraper Set

A pair of hand scrapers made from premium, high carbon Swedish Tool Steel, 62 x 150mm(2.1/2" x 6"). The set includes one scraper blade 0.5mm (.020") thick, which makes for a very supple scraper, and one 0.8mm (.032") thick, which is much stiffer. These blades are accurately ground square on the long edges, are easy to use, very handy and, once correctly burnished leave behind an excellent surface on the timber. Hardened to HRC 49-51.

	Inc.vat	Ex.vat	Code
Set of 2	<b>£13.44</b>	£11.20	202211

## Veritas Super-Hard Milled Scrapers

Whereas most cabinet scrapers are sheared from spring steel and hardened to HRC 38-42, these Veritas scrapers are harder (HRC 48-52) and hold an edge longer. Their edges are carefully milled to a square, sharp 90°. The set includes four thicknesses: for fine work, 0.4mm(0.016") and 0.6mm(0.024") thick, each 50mm x 150mm(2" x 6"); for heavier work, 0.8mm(0.032") and 1mm(0.042") thick, each 60mm x 150mm(2.3/8" x 6").

	Inc.vat	Ex.vat	Code
Set of 4	<b>£17.45</b>	£14.54	476257



## Veritas Super-Hard Curved Cabinet Scrapers

These Veritas scrapers are hardened to HRC 48-52 for increased durability, somewhat harder than most standard scrapers. In addition, their edges are carefully milled to a sharp 90° and are suitable for immediate fine work whilst heavier work only requires a slight hook to be burnished onto their edges. Available in two sets of three curved scrapers, either 0.4mm(0.015") or 0.6mm(0.024") thick.

	Inc.vat	Ex.vat	Code
Set of 3 0.4mm(0.015")	£13.44	£11.20	510434
Set of 3 0.6mm(0.024")	£13.44	£11.20	510433

## Veritas Cabinet Scraper Holder

Absorbing the heat and stress normally levied on the hands when cabinet scraping, this scraper holder made in glass reinforced nylon with brass fittings will take traditional cabinet scrapers 140 to 150mm long. The blade can be given an appropriate bow using the central screw adjuster. Work traditionally without the pain! Includes a Veritas milled edge scraper.

	Inc.vat	Ex.vat	Code
Scraper Holder	£35.94	£29.95	510436



## Concave & Convex Scraper Sets

Cabinet scrapers are used for finishing areas where fine shaving is necessary or scraping and cleaning off old paint and varnish. Traditional rectangular or gooseneck scrapers don't always do the trick especially when it comes to mouldings. These sets solve that problem, with a range of 10 radii available in each set; chances are there'll be a match for that last fiddly bit. Made from high quality CS80, each scraper is approximately 90mm diameter. **The Concave scraper set contains 2 scrapers shaped specifically to scrape curved areas such as spindles, chair legs etc. The Convex scraper set contains 2 scrapers, shaped to scrape in recesses such as on skirting boards etc.** These can be sharpened using a standard burnisher. Made in the UK.

The radii covered in each set:

Scraper 1 - 1/4", 3/8", 1/2", 3/4" and 5/8"  
Scraper 2 - 7/8", 1", 1 1/8", 1 1/4" and 1 1/2"

	Inc.vat	Ex.vat	Code
Concave Set	£6.74	£5.62	211372
Convex Set	£6.74	£5.62	211801

## Quadrant Scraper Set

Cabinet scrapers are used for finishing areas where fine shaving is necessary, or for scraping and cleaning off old paint and varnish. This set solves the problem when it comes to quadrant moulding. Two scrapers cover eight different radii. Made from high quality CS80, each scraper is 150 x 60mm, the long edges can be used as a standard scraper. Made in the UK.

The radii covered is as follows: scraper 1 - 1/8", 3/16", 1/4" and 5/16"; scraper 2 - 3/8", 7/16", 1/2" and 5/8".

	Inc.vat	Ex.vat	Code
Quadrant Scraper Set	£6.74	£5.62	504041

## Kirschen Burnisher

A 8mm(5/16") diameter round blade, 120mm(4.3/4") long of super hard steel set in a hardwood lacquered handle. Even the toughest scraper blades will not mark this tool. Recommended for burnishing all types of cabinet scraper.

	Inc.vat	Ex.vat	Code
Burnisher	£7.96	£6.63	500202

## Lynx Mini Cabinet Scraper Set

NEW!



- Mini cabinet scraper set
- Mini gooseneck - good for concave areas
- Mini oval - also good for curved areas
- Mini square - good for a variety of straight edges plus notches for luthier work
- Mini concave/convex - good for curved areas and also luthier work

	Inc.vat	Ex.vat	Code
Mini Scraper Set	£11.64	£9.70	504698



## Veritas Tri-Burnisher

This is designed to perform all the functions of round, triangular and oval burnishers. It has a mirror finish to guarantee smooth hooks on cabinet scrapers. The blade is hardened to HRC58-60 to be much harder than scrapers it is used on. The overall length is 275mm including the hardwood handle.

	Inc.vat	Ex.vat	Code
Tri-Burnisher	£36.95	£30.79	475477



## Lie-Nielsen Carbide Burnisher

Tungsten carbide being much harder and more wear resistant than tool steel would seem the obvious choice as a scraper burnisher blade. Lie-Nielsen certainly considers TC to be the material of choice for their version. Their trademark curly maple handle has a flared brass ferrule to protect your fingers. The solid carbide rod itself is 100mm long and 6.35mm diameter. The rod is polished to give you smooth effortless controlled burnishing. As with all Lie-Nielsen tools it looks good and feels great, which is just as well as you are going to be using it for many years to come.

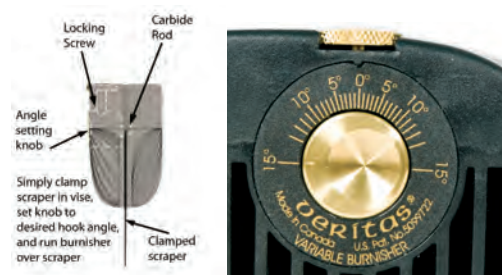
	Inc.vat	Ex.vat	Code
Carbide Burnisher	£40.94	£34.12	950933



## Deluxe Leather Cabinet Scraper Wallet

This is one for those who have spent time getting the edges on scrapers just right and want to see them stay that way. Four separate pockets are provided, with separations to keep the blades apart; the sides are stitched and riveted, the flap is secured with a press stud and there is a belt mounting on the back. Accepts scrapers up to 160 x 85mm. Being leather it is not waterproof; that being the case we would also recommend the use of a rust inhibitor or camellia oil to protect against corrosion.

	Inc.vat	Ex.vat	Code
Blade Wallet	£13.25	£11.04	340433
Camellia Oil 240ml	£16.94	£14.12	510018



## Veritas Variable Burnisher

The Veritas Variable Burnisher has carbide rods fixed at an angle in a brass hub. The dial on the face allows the angle to be set anywhere between 0° and 15°. The body of the burnisher is slotted so the angle is constantly maintained during use and, being made of plastic, it will not damage or scratch the scraper's face. This Veritas tool makes it possible for anyone to burnish a cabinet scraper to the desired angle perfectly every time. **Each set includes a cabinet scraper (150 x 60mm) and full instructions.**

	Inc.vat	Ex.vat	Code
Burnisher	£32.94	£27.45	510438



## Bahco Carbide Scrapers

Polypropylene handles moulded onto strong aluminium bodies. The tips are double edged solid tungsten carbide blades, slightly convex to prevent scratching the surface being worked. The tungsten blades themselves will last up to one hundred times longer than conventional steel blades. Designed for removing paint, glue, rust and varnish on all types of surfaces. These tools find a use with woodworkers, restorers, boat builders and many others. The 810346 has a 65mm long blade and is fitted with a removable knob on the head for applying extra pressure. The 810345 has a 50mm long blade and the 810341 has a 24mm triangular blade, giving three edges as well as the obvious sharp point. Also available for the 810341 are three additional blades, 16mm round, 22mm teardrop and 20mm pear shaped.

	Inc.vat	Ex.vat	Code
Carbide Tri Scraper 25mm	£19.25	£16.04	810341
Triangular Blade	£8.45	£7.04	810337
Round Blade	£8.45	£7.04	810344
Tear Drop Blade	£8.45	£7.04	810342
Pear Blade	£8.45	£7.04	810343
Carbide Scraper 50mm	£18.95	£15.79	810345
Bahco Blade 50mm	£8.94	£7.45	810336
Carbide Scraper 65mm	£27.44	£22.87	810346
Bahco Blade 65mm	£9.95	£8.29	810338





## Stanley Surform Shaver Tool

The smallest Surform, used with a pull action. The blade clicks into place on a strongly moulded plastic handle. The blade also has side cut. Just the job for stripping paint or smoothing filler in tricky out of the way places.

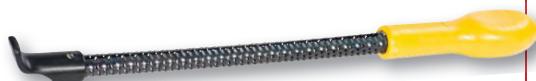
	Inc.vat	Ex.vat	Code
Shaver Tool	£3.05	£2.54	900186
Replacement Blade	£1.74	£1.45	900193

## Stanley Surform Block Plane



With a 138mm(5.1/2") long die cast alloy body, a truly useful tool on any job. It can be used single handed and the blade reversed for bull nose work in awkward areas. Perfect for smoothing the edges of laminates.

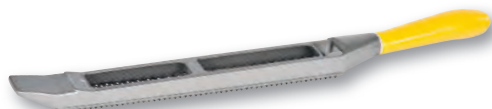
	Inc.vat	Ex.vat	Code
Block Plane	£9.54	£7.95	900184
Replacement Blade	£2.94	£2.45	900194



## Stanley Surform Round File

Supplied fitted with a 250mm long fine cut blade. It has a solid moulded plastic handle and a front grip which can be removed when used in small holes. Particularly good for enlarging holes and the shaping of tightly contoured surfaces.

	Inc.vat	Ex.vat	Code
Round File	£9.84	£8.20	900188
Round Blade 10"	£5.15	£4.29	900195



## Stanley Surform Flat File

Superb tool for use as a rasp on wood, plastic, soft metals and many other materials. Non clogging. **Supplied with 250mm(10") standard blade. All 250mm(10") blades will fit.**

	Inc.vat	Ex.vat	Code
Flat File	£13.55	£11.29	900182

## Stanley Surform Planer File - 250mm



Similar in appearance to the standard plane, but with the added advantage of a handle which can be swivelled. Thus you have a tool either with a plane type or a file type configuration. Standard cut blade supplied but will accept all types of 250mm(10") blades available.

	Inc.vat	Ex.vat	Code
Planer File	£17.75	£14.79	900187

## Stanley Surform Blades

250mm(10") blades will suit Surform Flat File (900182), Surform Standard Plane (900184), Surform Planer File (900187) and Axminster wood file (200374).

	Inc.vat	Ex.vat	Code
Standard Blade	£3.24	£2.70	900189
Fine Blade	£3.05	£2.54	900190
Half Round Blade	£3.84	£3.20	900191
Metal/Plastic Blade	£4.14	£3.45	900192



## Microplane Replacement Blade for Stanley Surform

Fits all 254mm (10") surform frames to further extend the usefulness of an already versatile tool. Suitable for use on timber but also suitable for use on plasterboard.

	Inc.vat	Ex.vat	Code
Replacement Blade	£16.94	£14.12	951196



## Microplane Snap-In Rasp Handles

Handles to suit the Microplane Snap-In Rasps.

	Inc.vat	Ex.vat	Code
75mm Handle	£4.34	£3.62	951225
200mm Handle	£5.45	£4.54	951224



## Microplane Snap-In Rasp Blades

Replacement blades made from high quality hardened 400 series stainless steel for long lasting use, available in flat, round, and angle, either fine or coarse and 200mm(8") or 75mm(3") lengths.

	Inc.vat	Ex.vat	Code
75mm Coarse Angle	£9.24	£7.70	951220
75mm Coarse Flat	£9.24	£7.70	951226
75mm Coarse Round	£9.24	£7.70	951219
75mm Fine Angle	£9.24	£7.70	951223
75mm Fine Flat	£9.24	£7.70	951221
75mm Fine Round	£9.24	£7.70	951222
200mm Coarse & Fine Angle	£21.74	£18.12	951216
200mm Coarse & Fine Flat	£21.74	£18.12	951214
200mm Coarse & Fine Round	£21.74	£18.12	951215
200mm Coarse Angle	£12.95	£10.79	951209
200mm Coarse Flat	£12.95	£10.79	951213
200mm Coarse Round	£12.95	£10.79	951208
200mm Fine Angle	£12.95	£10.79	951212
200mm Fine Flat	£12.95	£10.79	951210
200mm Fine Round	£12.95	£10.79	951211



## Microplane Snap-In Rasps

The easy snap-on and snap-off process will save time and space in your workshop. The blades are made from high quality hardened stainless steel for long lasting use, whilst the handles are made of glass filled nylon for added stability. Blade replacements available in flat, round, and angle, either fine or coarse and 200mm(8") or 75mm(3") length. Blades are made of 400 series stainless steel.

	Inc.vat	Ex.vat	Code
75mm with Coarse Flat	£11.75	£9.79	951218
200mm with Coarse and Fine Flat	£22.94	£19.12	951217
200mm with Coarse Flat	£16.74	£13.95	951207



## Microplane Handled Rasps

Manufactured in the USA from high grade stainless steel, the unique manufacturing process creates hundreds of extremely sharp teeth for fast, smooth, effortless cutting. Durable, non-clogging and rustproof. Use to shape a wide variety of materials - wood, plastics, rubber, body filler, etc, etc. Microplanes leave a good finish, requiring only a light sanding to further refine the surface.

	Inc.vat	Ex.vat	Code
Large Round	£16.74	£13.95	951198
Large Square	£16.74	£13.95	951199
Small Round	£11.75	£9.79	951200
Small Square	£11.75	£9.79	951201



## Japanese Saw Rasp

A really great tool to use, almost impossible to clog as waste falls straight through the lattice. It is actually made up of strips of double edge saw blade material, welded and pinned to form a rigid blade 25mm wide by 230mm long, coarse on one side and fine on the other. Unusually for a Japanese tool it cuts on the push stroke.

	Inc.vat	Ex.vat	Code
Saw Rasp	£16.94	£14.12	384015



## Japanese Two Handed Saw Rasp

Shape up with the two handed Japanese saw rasp. The 260 x 30mm blade is double sided, coarse one side and fine on the other. The open lattice of the blade eliminates clogging. Tempered steel cutting teeth, use on wood, laminates, non-ferrous metals, plastics, gypsum board etc. Replacement blades available.

	Inc.vat	Ex.vat	Code
Two-Handed Saw Rasp	£27.44	£22.87	200502
Replacement Blade	£17.94	£14.95	200512



## 6 Piece Axminster Miniature Rasp Set

A handy six piece set of rasps, probably of most use to woodcarvers, but bound to find uses in general woodworking. Working length 100mm.

	Inc.vat	Ex.vat	Code
Rasp Set (6 Piece)	£9.95	£8.29	100147



## Rasps & Rifflers



### Japanese Carver's Files

Rasps produce sawdust, files make filings (dust), an Iwasaki file produces miniature shavings. An Iwasaki file removes material very quickly the resulting surface is much smoother, requiring only a little sanding to finish. The secret lies in the shape of the teeth, milling and chemical etching produces a sharp edge with real bite. The half-round files have teeth only on the convex side. The tooth pitch of the fine file is 1.6mm and 1.2mm for the extra fine. All our Japanese Carver's Files have beech wood handles fitted, made in Japan.



	Inc.vat	Ex.vat	Code
Flat Fine 150mm	£30.44	£25.37	502207
Flat Fine 200mm	£35.94	£29.95	502208
Flat Extra Fine 150mm	£32.45	£27.04	502232
Flat Extra Fine 200mm	£38.94	£32.45	502210
Half-Round Fine 150mm	£30.44	£25.37	502211
Half-Round Fine 200mm	£35.94	£29.95	502212
Half-Round Extra Fine 150mm	£32.45	£27.04	502213
Half-Round Extra Fine 200mm	£38.94	£32.45	502214



### Vallorbe Swiss Rasps

Vallorbe rasps, all made in Switzerland, are supplied complete with handles. The rasps are parallel over their length, except the cabinet rasp which has a flatter half round cross section and tapers steeply towards the tip, it is used for finer work. Available either bastard (coarse) cut or second cut (medium) in flat or half round and suitable for wood or soft metals.

	Inc.vat	Ex.vat	Code
Hand Bastard 250mm	£14.95	£12.46	186002
Hand 2nd Cut 250mm	£15.74	£13.12	186003
Half Rnd Bastard 200mm	£17.45	£14.54	186004
Half Rnd 2nd Cut 200mm	£17.75	£14.79	186005
Half Rnd 2nd Cut 250mm	£21.95	£18.29	186007
Half Rnd Bastard 250mm	£20.94	£17.45	186006
Cabinet 2nd Cut 250mm	£25.94	£21.62	186008



### Axminster Riffler Set

A set of eight coarse cutting double ended rifflers with profiles to suit almost any nook and cranny you might want to get into. 250mm overall length. For fast and efficient stock removal these are an excellent addition to any carver's tool kit.

	Inc.vat	Ex.vat	Code
Riffler Set (8 Pce)	£14.94	£12.45	100055

Detail



24mm Sander



50mm Sander



### NT Sanding Plate Tools

Sanding Plate is a steel sheet with a specially embossed pattern that forms an abrasive surface. It cuts in all directions and has a very long life. Sanding Plate lasts many times longer than paper-backed abrasive and is reusable hundreds of times. It is excellent for smoothing wood, fibreglass, plastics, sculpting, model building and many other uses. Available in three types, all with strong cast alloy handles. Rectangular 150 x 50mm or 150 x 24mm and an 80 x 30mm triangular detail plate. All supplied with a medium grade plate.



	Inc.vat	Ex.vat	Code
Detail Sander	£11.24	£9.37	504014
24mm Sander	£14.94	£12.45	504015
50mm Sander	£18.44	£15.37	504016
Repl' Plate Detail Fine	£8.94	£7.45	504017
Repl' Plate Detail Medium	£5.34	£4.45	504018
Repl' Plate Detail Coarse	£6.74	£5.62	504019
Repl' Plate 24mm Fine	£12.44	£10.37	504020
Repl' Plate 24mm Medium	£7.74	£6.45	504021
Repl' Plate 24mm Coarse	£8.94	£7.45	504022
Repl' Plate 50mm Fine	£18.44	£15.37	504023
Repl' Plate 50mm Medium	£11.24	£9.37	504024
Repl' Plate 50mm Coarse	£13.74	£11.45	504025



### NT Sanding Plate Self Adhesive Plate

NT self-adhesive Sanding Plate is credit card size, 80 x 54 mm. This stainless steel abrasive plate is almost as thin as paper, only 0.2mm. It is fine grade, approximately equivalent to 400 grit. However, the cutting action makes it feel coarser, but with a smooth finish. The package includes a piece of double-sided tape, used to mount the plate to a homemade sanding block, flat or curved. The plate cuts easily with scissors so you can make sanding blocks for specific tasks.

	Inc.vat	Ex.vat	Code
Self Adhesive Plate	£6.74	£5.62	504026

## Axes



Please visit the Outdoor & Gardening section for a full range of Wetterlings Axes



### Wetterlings Small Axe

With a weight of only 550 grams and length of 250mm it fits perfectly in a backpack. It is a one-handed axe for bush craft, chopping kindling and much more. Hand forged from Swedish steel with an American hickory handle. Made in Sweden and supplied with a buffalo leather sheath.

**N.B. By purchasing any axe, you are confirming that you are AGED 18 or over.**

	Inc.vat	Ex.vat	Code
Small Axe 550g (16oz)	£62.94	£52.45	952866



### Wetterlings Wildlife Axe

Balanced, sharp and well crafted this axe is a delight to use and carry. The cutting edges are convex and the bevel face slightly widened, better for splitting firewood. In addition, it doubles up as a backup knife or a hammer when needed. The axe has a brown heartwood American hickory handle. Weight 550g, length 330mm, supplied with a leather edge guard.

**N.B. By purchasing any axe, you are confirming that you are AGED 18 or over.**

	Inc.vat	Ex.vat	Code
Wildlife Axe 550g (16oz)	£63.95	£53.29	950017



### Vaughan Hatchet

At just 245mm (11") overall, it is an extremely handy sized hatchet for all manner of small light trimming jobs. Made in exactly the same tradition as Vaughan's famous Sub-zero felling axes, the blade holds an excellent edge. Flame treated hickory handle. Supplied with leather sheath. Made in USA.

**N.B. By purchasing any axe, you are confirming that you are AGED 18 or over.**

	Inc.vat	Ex.vat	Code
Hatchet 225g(8oz)	£29.94	£24.95	441040



## Adzes & Drawknives



### Carpenter's Adze

A flat head with a blade approximately 88mm (3.1/2") wide. Used for removing heavy waste, levering, shaping and trimming timber, or to impart a traditional surface texture on oak beams. Weight approximately 1100g (2.1/2lb). The adze head is easily slipped off the tapered handle for sharpening. N.B. Handle purchased separately.

**N.B. By purchasing any axe, you are confirming that you are AGED 18 or over.**

	Inc.vat	Ex.vat	Code
Carpenter's Adze	£48.44	£40.37	500207
Adze Handle	£13.44	£11.20	500209



### Hollow Adze

The concave, or gouge shaped head, can be used for many types of hollowing work, e.g. to rough out the seat of a Windsor chair. The blade weight is approximately 2.1/2lb and is 2.7/8" wide. The adze head is easily slipped off the tapered handle for sharpening. N.B. handle purchased separately.

**N.B. By purchasing any axe, you are confirming that you are AGED 18 or over.**

	Inc.vat	Ex.vat	Code
Hollow Adze	£62.45	£52.04	500208
Adze Handle	£13.44	£11.20	500209



### Forged Froe

Also called a riving axe, it is used with a wooden mallet to split timber along the grain. This is not only quicker than sawing, but the stock produced is much stronger and more durable. These froes are not supplied with a handle, as the length and thickness are dependent upon the use to which the froe is to be put and personal choice. Length 250mm, blade width 48mm. N.B. By purchasing any axe, you are confirming that you are AGED 18 or over.

	Inc.vat	Ex.vat	Code
Froe	£49.94	£41.62	341038



### Henry Taylor Hand Adzes

Used single handed for the rapid removal of waste and well suited for the roughing out of large carvings or sculptures as well as finding a place with green woodworkers and chairmakers. Fitted with 250mm (10") long handles, both the gouge shaped and straight bladed adzes have 175mm (7") long by 50mm (2") wide blades. Weight 900g (2lb).

	Inc.vat	Ex.vat	Code
Gouge Blade	£66.44	£55.37	910187
Straight Blade	£50.94	£42.45	910188



### English Pattern Drawknife

Straight bladed or London pattern carpenter's drawknife with a 250mm (10") blade and beech handles fixed at 90° to the edge.



	Inc.vat	Ex.vat	Code
Drawknife	£48.95	£40.79	281319



### Flexcut Draw knife with Sheath

The Flexcut Drawknife has 125mm (5") of workable edge and is designed to flex around contours where large amounts of stock need to be removed. It can be curved to accommodate concave or convex curves, allowing it to conform more closely to the required contour. Just the job for chair legs, chair bottoms or roughing out decoys. Razor sharp from new.

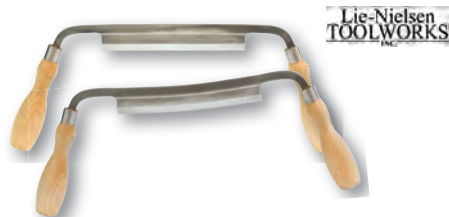
	Inc.vat	Ex.vat	Code
Drawknife	£31.94	£26.62	600080

### Veritas Carver's Drawknife

The teardrop-shaped handles are cocked at 45° to the blade and nestle comfortably in your hands. The polished 100 x 3 x 19mm (4" x 1/8" x 3/4") blade is ground and honed to a perfect edge, and is supplied with a blade guard. An optional leather case is available separately.



	Inc.vat	Ex.vat	Code
Carver's Draw knife	£69.95	£58.29	474959



### Lie-Nielsen Drawknives

The drawknife has a 175mm x 32mm blade, hardened to HRC 60-62, with the back relief-milled for ease of sharpening. The overall length is 390mm and a width of 155mm from the blade back to the tips of the handles. Stainless steel nuts and ferrules secure the smooth polished maple handles. The drawknives are available in two different styles. One has a slightly curved blade (like the original), the other a straight bladed version. Both supplied with a thick leather sheath.

	Inc.vat	Ex.vat	Code
Straight Drawknife	£152.94	£127.45	952879
Curved Drawknife	£152.94	£127.45	952880

## Hammers



Bulk discount available

### Stanley Steelmaster Hammers

Heat treated, forged steel heads, polished and fitted to a chromium plated steel shaft. The vinyl handle is moulded directly onto the shaft and is impervious to heat, oil and most solvents. Good quality professional hammers. Available weights 450g (16oz) or 570g (20oz).

	Inc.vat	Ex.vat	Code
450g (16oz)	£12.14	£10.12	900175
570g (20oz)	£13.44	£11.20	900173



Bulk discount available

### Stanley FatMax XL AntiVibe Hammers

The Stanley FatMax XL AntiVibe Claw Hammer is a double forged all steel hammer with superior swing, increased strength and durability. The magnetic nail starter allows single handed nail starting or placing nails in hard to reach spots. Inside the handle the patented tuning fork design greatly reduces vibration. The anti-slip rubber grip is composed of two layers, connected by twenty four thermoplastic rubber bars. Available in 450g rip claw or 570g curved claw.

	Inc.vat	Ex.vat	Code
Rip Claw 450g (16oz)	£22.44	£18.70	611138
Curved Claw 570g (20oz)	£23.94	£19.95	611139



Bulk discount available

### Fibreglass Shafted Claw Hammers

These hammers are excellent value for money and just the job for the home workshop. The heads are forged steel, the shafts are tough, resilient fibreglass and the moulded rubber handles give a safe and comfortable grip.

	Inc.vat	Ex.vat	Code
570g (20oz)	£6.95	£5.79	287003



### Vaughan Little Pro Claw Hammer

One of the neatest little hammers it has ever been our pleasure to offer. At 280g (10oz), this has to be the handiest hammer in history, 275mm overall. It has a place in every tool box, kitchen drawer or professional workshop in the world.

	Inc.vat	Ex.vat	Code
Little Pro 280g (10oz)	£24.44	£20.37	441037





## Vaughan Steel Eagle Claw Hammers

Forged entirely from high quality, high carbon steel it has all the toughness and durability you would expect of an all steel hammer from probably the world's finest manufacturer. The head incorporates an integral shock block. This block absorbs most of the shock of the hammer blow; the rest is absorbed by the unique air cushion grip. Available with either curved claw or rip (straight) claw and in a variety of weights including a long handled 795g(28oz) framing or shuttering hammer.

	Inc.vat	Ex.vat	Code
Curved Claw 570g(20oz)	£33.44	£27.87	441047
Curved Claw 680g(24oz)	£37.94	£31.62	441048
Rip (Straight) Claw 570g(20oz)	£33.44	£27.87	441049



## Estwing Claw Hammers

Estwing hammers are forged from one piece of steel, stronger and safer with never the possibility of the head coming off. They are made from high quality tempered steel, fully polished and are available with either ultra comfortable laminated leather handles or blue nylon/vinyl deep cushion safety grips. The framing hammers have the straight, or rip, claw whilst the others have a standard curved claw.

	Inc.vat	Ex.vat	Code
Curved Leather 450g(16oz)	£34.94	£29.12	410334
Curved Leather 570g(20oz)	£39.95	£33.29	410335
Curved Leather 680g(24oz)	£45.95	£38.29	410336
Curved Vinyl 450g(16oz)	£32.45	£27.04	362361
Curved Vinyl 680g(24oz)	£44.94	£37.45	410337



## Estwing Ultra Hammers

These hammers have the strength of steel but with a titanium feel. The engineers at Estwing have made a hammer that is light in weight and can drive a nail as easily as a much heavier hammer. It is all in the design: a solid one piece forging for maximum strength and a large striking face. Moulding the nylon shock resistant handle directly onto the shaft gives a permanent non-slip grip. The head also has a built-in nail starter magnet and an extra nail-pulling notch on the side.

	Inc.vat	Ex.vat	Code
15oz(410g)	£47.45	£39.54	507009
19oz(540g)	£48.95	£40.79	507010



## Vaughan S2 Split Head Hammer

Vaughan has virtually reinvented the hammer with the S2. The unique split head design helps eliminate recoil and reduces the shock to the hands and arms of the user. Anti-vibration pads isolate the two part head from the handle to further enhance the hammer's anti-vibration properties. A long overstrike plate protects the handle from near misses. The top of the head features a magnetic nail starter. Head weight 510g(18oz).

	Inc.vat	Ex.vat	Code
510g(18oz)	£67.94	£56.62	702315



## Vaughan V5 Framing & Shuttering Hammer

The V5 has been designed for the purpose of rapid construction and quick, neat and efficient tear down. The head features a magnetic nail holder/starter and provides increased reach for one-handed nail starting; the flat top head allows nails to be set in tight spots. The V5's patented deep "V" head design reduces shock and vibration and the 350mm long shaft gives more power on the way in and extra leverage on the way out. Weight 540g(19oz).

	Inc.vat	Ex.vat	Code
540g(19oz)	£58.94	£49.12	611137



## Vaughan California Framing Hammer

The head is heat treated in three different areas, each area getting a specific treatment to precisely temper the striking face and claws. The extra large striking face is milled to minimise the chances of slippage. The hatchet style handle is of selected best grade second growth hickory, triple wedged for security with a large cross section where it joins the head for extra strength. The head is 650g(23oz) in weight and, with a 430mm(17") long handle.

	Inc.vat	Ex.vat	Code
650g(24oz)	£35.45	£29.54	441041



## Ram Pin or Push Pin

The easy way to push panel pins into hardboard, plywood or upholstery. The pin is placed in the brass barrel. A firm push will drive the pin home and a spring action leaves the tool ready for reloading. Simple to use it leaves one hand free to hold the work. No more bruised fingers trying to hold small pins when using a hammer! This particular Ram or Push pin comes from Crown of Sheffield, it features a brass mechanism with a plantation grown rosewood handle.

	Inc.vat	Ex.vat	Code
Ram Pin	£10.74	£8.95	111078



## Japanese Hakkaku Genno Hammer

One face is flat, this is for driving nails and striking chisels, the other face is slightly crowned, used mainly for the final blow to the nail head thus driving it flush without damaging the surrounding surface. In construction these hammers have laminated heads with hard steel faces forged onto a softer steel centre. Long slim white oak handles give an overall feel of great delicacy and full control.

	Inc.vat	Ex.vat	Code
115g(4oz)	£25.44	£21.20	384019
225g(8oz)	£28.94	£24.12	384020
375g(13oz)	£34.94	£29.12	384021



## Lie-Nielsen Cross Pein Hammers

There are two models in the range, both 115g (4oz) in weight and fitted with fine polished cherry handles. Your choice is in the material used for the head. You can have either brass or hardened A2 steel. The brass is ideal for making minute adjustments to your plane iron. You can actually achieve smaller adjustments than you can by using the lateral or depth adjuster alone. Hardened A2 for striking unhardened nails, pins etc.

	Inc.vat	Ex.vat	Code
Hardened A-2 Steel 115g(4oz)	£76.94	£64.12	212473
Brass 115g(4oz)	£76.94	£64.12	212474



## Warrington Pattern Cross Pein Hammer

Exceptionally well made hickory shafted hammers, no tool kit is complete without one cross pein. We particularly liked the shape of the handle - a good grip that puts the hand naturally in the correct place.

	Inc.vat	Ex.vat	Code
225g(8oz)	£5.94	£4.95	289002
280g(10oz)	£6.44	£5.37	110059
340g(12oz)	£6.95	£5.79	090011



## Ball Pein Hammers

A well priced range of genuine hickory shafted ball pein hammers. All heads are forged and correctly heat treated in full accordance with British Standard BS876. Hickory has always been the preferred shaft material for this type of hammer over many generations.

	Inc.vat	Ex.vat	Code
115g(4oz)	£5.24	£4.37	090013
450g(16oz)	£7.74	£6.45	289004

# Hammers



## Dead Blow Hammers

The heads of these hammers are filled with shot which removes the recoil from the follow-through and gives the equivalent of 50% more weight per strike than conventional mallets. Being rubber clad they deliver a non-damaging impact. Useful in a whole host of applications.

	Inc.vat	Ex.vat	Code
500g(18oz)	£10.44	£8.70	950025
700g(25oz)	£12.24	£10.20	610127
1,200g(42oz)	£14.45	£12.04	610128



## Wiha Safety Hammer

The square faced design allows this hammer to be used against edges, borders, or into corners. The steel head is firmly secured onto a hickory shaft. Slackening the retaining bolt allows the faces to be rotated for the best striking orientation. The Wiha safety hammer is provided with a blue soft face, and a yellow medium hard face. Both are easily replaceable, non marring and designed to be used for many applications, such as window installation, furniture assembly, woodworking, joinery, light engineering, maintenance or paving.

	Inc.vat	Ex.vat	Code
630g(22oz)	£25.44	£21.20	266220



## Thor Copper/Rawhide Hammer

Wooden handled with malleable iron head into which is fitted one copper face and one compressed buffalo rawhide face.

	Inc.vat	Ex.vat	Code
25mm 400g(14oz)	£11.94	£9.95	900478
32mm 680g(24oz)	£16.44	£13.70	900479
38mm 1,100g(40oz)	£21.44	£17.87	900480



## Thor Plastic Faced Hammer

The patented metal head of this hammer is fitted with two screw-in replaceable plastic faces. A good hammer for many types of assembly work. Spare faces are available. Contact Technical Sales for details.

	Inc.vat	Ex.vat	Code
19mm 115g(4oz)	£9.14	£7.62	900481
25mm 225g(8oz)	£9.74	£8.12	900482
32mm 450g(16oz)	£11.24	£9.37	900483
38mm 680g(24oz)	£12.74	£10.62	900484



## Axminster Club Hammer

Top quality drop forged heads, well finished and fitted to genuine hickory handles with a good diameter for firm grip. Heads are both wooden wedged and have twin steel wedges for total security.

	Inc.vat	Ex.vat	Code
1,100g(2.1/2lb)	£10.94	£9.12	090012



## Thor White Rubber Mallet

A superb dual purpose tool which can be used instead of the traditional wooden mallet for striking chisels and for the 'knocking' together of frames and joints without bruising the timber. Non marring rubber head, self locking ash handle.

	Inc.vat	Ex.vat	Code
570g(20oz)	£7.94	£6.62	900487



## Long Shafted Club Hammer

Thor Blimey! A 1,800g(4lb) club hammer with an extra long 355mm(17") fibre glass shaft. Just the thing for a little light demolition. A very useful tool for major persuasion jobs where a full blown sledge is just too clumsy. Fitted with a rubberised grip, moulded directly onto the fibre glass shaft to help minimise shock and vibration.

	Inc.vat	Ex.vat	Code
1,800(4lb)	£16.44	£13.70	611130



## Vaughan Upholstery Hammers

Top quality tools from Vaughan, the hammer people with over 130 years of experience. The SU7 is a curved head upholstery hammer 200g(7oz) with one magnetic tip to pick up and set a tack, and one striking face with which to drive it home; its head is curved in the classic upholsterer's style. ST5 140g(5oz) is a tack hammer with one magnetic face and one tack removing claw. Tools from one of the world's best hammer makers.

	Inc.vat	Ex.vat	Code
SU7 Upholstery Hammer 200g(7oz)	£19.94	£16.62	441020
ST5 Tack Hammer 140g(5oz)	£17.45	£14.54	441019



## Estwing Geologist's Hammer

Situated so close to the rich dinosaur bearing strata of Lyme Regis, we could not forgive ourselves if we didn't include some form of geologist's hammer. Made with Estwing's unique one piece forging and fitted with moulded vinyl handle. A most useful tool whether collecting fossils near Castleton in Derbyshire or gold prospecting in the mountains of Wales!

	Inc.vat	Ex.vat	Code
625g(22oz)	£39.44	£32.87	410329

# Staplers



## Arrow JT21CM Stapler

The Arrow JT21 features all steel construction, along with Arrow's jam proof mechanism. The right tool for light upholstery work and many other jobs around the house. The JT21 takes staple sizes 6mm(1/4"), 8mm(5/16") and 10mm(3/8"), all packed 1000 per box. Please note that this stapler will only accept J21 type staples.

	Inc.vat	Ex.vat	Code
Stapler	£13.44	£11.20	340256
Staples 6mm (Pkt 1,000)	£1.94	£1.62	340257
Staples 8mm (Pkt 1,000)	£2.04	£1.70	340259
Staples 10mm (Pkt 1,000)	£2.15	£1.79	340258



## Arrow T50 Staple Gun

All the working parts of this heavy duty staple gun, one of the most widely used staplers around, are made from hardened steel for a long and active life. It will take hardened steel and stainless steel staples. It's easy to use double leverage action, jam proof mechanism and visual refill window make it simple to use, yet its overall construction is robust enough for thousands of different jobs. Uses the full range of T50 staples.

	Inc.vat	Ex.vat	Code
Staple Gun	£26.94	£22.45	340265



## Vaughan Mini Bar

This handy 130mm long pocket tool has a home in every tool box in the land. Use it for removing tacks and small nails, prying and levering, and it's especially useful for removing the lids from paint cans, it does the job efficiently and you won't have to ruin your best screwdriver.

	Inc.vat	Ex.vat	Code
Mini Bar - 130mm	£4.75	£3.96	441017





## Arrow T50X TacMate Compact Staple Gun

Compact, powerful and precise, this stapler is smaller than the well known T50 staple gun making it even easier to handle. Great for many projects, suited to single-handed use, repetitive stapling and if you have smaller hands. No lightweight when it comes to firing, it accepts T50 staples 6, 8, 10 and 12mm. There is a simple loading mechanism, robust plastic housing, steel channel and components, making it very durable.

	Inc.vat	Ex.vat	Code
Staple Gun	£21.95	£18.29	503886



## Arrow T50 R.E.D. Stapler/Nailer

The T50 R.E.D.™ is the only professional manual stapler/nailer capable of firing a 25mm brad nail. It offers up to 60% more power and is easier to squeeze, resulting in much less fatigue. It features high and low power settings allowing you to adjust the machine when working with hard surfaces like melamine, or softer surfaces like pine. Professionals will also appreciate the bottom-loading magazine. Takes all sizes of T50 staples.



	Inc.vat	Ex.vat	Code
Stapler/Nailer	£32.94	£27.45	952853



## Arrow ET50 R.E.D. Electric Stapler

The ET50 R.E.D.™ will fire all sizes of Arrow T50® staples, steel and stainless steel. R.E.D. stands for: **R**eliable. **E**rgonomic. **D**urable. Reliability from its electric firing technology. A depth control enables you to set staples in many materials and the precision fastener control resists jamming. The ET50 R.E.D.™ features a soft rubber grip for maximum comfort and an LED spotlights the target area. The bottom-loading staple system allows faster reloads. A rotating belt hook makes it easy to carry the ET50 R.E.D.™ Supplied in a blow-moulded case.

	Inc.vat	Ex.vat	Code
Electric Stapler 230V	£59.94	£49.95	952855



## Arrow TT21K TruTac Stapler Upholstery Kit

The Arrow TruTac TT21 is a compact forward action staple gun suitable for home projects and supplied in a upholstery kit with tacks, staples and staple puller. The direction of handle is opposite to other staple guns so that you press down right over the point of impact allowing your body weight to assist. Its compact design allows you to get into awkward places as well as allowing for precise positioning of staples. The perfect tool for quick repairs around the house and workshop. Takes JT21 staples 6,8,10 and 12mm length. **Supplied with stapler puller tool, 600 x 8mm J21 staples, 25 satin nickle and 25 flat black upholstery tacks.**

	Inc.vat	Ex.vat	Code
Upholstery Kit	£20.45	£17.04	503885
Staples - 6mm (Pkt 1,000)	£1.94	£1.62	340257
Staples - 8mm (Pkt 1,000)	£2.04	£1.70	340259
Staples - 10mm (Pkt 1,000)	£2.15	£1.79	340258



## Arrow EBN320 R.E.D. Electric Brad Nail Gun

The EBN320 R.E.D.™ is capable of firing up to 50mm (2") 18 gauge brad nails, it incorporates both electric firing technology and depth of drive control. The precision fastener control resists jams, and an easy jam-clearing mechanism reduces downtime if a misfire occurs. A contact safety mechanism ensures safe operation. Its side-load magazine is quick and easy to reload which allows for less downtime. It also features a 3m cord, an LED guide light and a rotating belt hook for maximum convenience. Supplied in a moulded carry case.

	Inc.vat	Ex.vat	Code
EBN320 R.E.D. Electric Nail Gun 230V	£119.94	£99.95	952856

## Accessories

### Arrow T50 Steel Staples

T50 Wire Staples to fit Arrow Staplers T50, T50PBN and HT50P Hammer Tacker and Stanley FatMax XL Hammer Tacker. Supplied in packs of 1,250.

	Inc.vat	Ex.vat	Code
6mm (Pkt 1,250)	£2.24	£1.87	340268
8mm (Pkt 1,250)	£2.24	£1.87	340272
10mm (Pkt 1,250)	£2.54	£2.12	340270
12mm (Pkt 1,250)	£2.84	£2.37	340266
14mm (Pkt 1,250)	£3.14	£2.62	340275

### Arrow T50 Stainless Steel Staples

Arrow T50 Stainless Steel Staples (packed 1,000 per box) to fit Arrow Staplers: T50, T50PBN and HT50P Hammer Tacker and Stanley FatMax XL Hammer Tacker.

	Inc.vat	Ex.vat	Code
10mm (Pkt 1,000)	£8.15	£6.79	610756

### Arrow BN18 Brads & Nails

Arrow BN1810, 15mm brad nails fit the Arrow T50BPN stapler/nailer. All sizes suitable for the EBN320 R.E.D.

	Inc.vat	Ex.vat	Code
15mm Brads (Pkt 1,000)	£3.14	£2.62	340246
20mm Brads (Pkt 2,000)	£6.14	£5.12	340248
25mm Brads (Pkt 2,000)	£7.14	£5.95	340249
32mm Brads (Pkt 2,000)	£7.74	£6.45	340250
38mm Nails (Pkt 1,000)	£5.45	£4.54	952858
50mm Nails (Pkt 1,000)	£6.44	£5.37	952859



## Pincers & Nail Pullers

### Pincers

For removing nails from timber, a good pincer should have two main features: 1) A substantial length of handle for good leverage on even the longest, toughest nails; 2) A broad head to spread the load and minimise bruising to the timber. These forged pincers fulfill both criteria.

	Inc.vat	Ex.vat	Code
160mm	£11.45	£9.54	391019
200mm	£13.25	£11.04	391020



### Priory Nail Puller

A traditional nail puller of all steel construction with a built in hammer with which to drive the special alloy steel jaws over a nail head. The foot of the pivoting jaw ensures the harder the pull the tighter the grip. Length 480mm(19").

	Inc.vat	Ex.vat	Code
Nail Puller	£43.94	£36.62	800381



### Japanese Nail Pullers

At one end is an 'in line' claw, at the other a claw at right angles to the shaft, for those stubborn little tacks. The flat behind the claw can be tapped with a hammer to drive the claw under the nail head.

	Inc.vat	Ex.vat	Code
160mm	£18.44	£15.37	510428
200mm	£19.94	£16.62	510429
300mm	£23.75	£19.79	952914



### Japanese Restorer's Cat's Paw

As finely made a forged tool as we've encountered. One end features a claw for removing nails or tacks whilst the other flares into a wide and gently curved chisel or spatula shaped end. This tool is more than suitable for delicate disassembly work prior to restoration or re-upholstery, but is robust and tough enough for quite demanding tasks. 200mm long overall.

	Inc.vat	Ex.vat	Code
Cat's Paw	£21.95	£18.29	110206



### Japanese Reform Bar

The claw is used to remove nails, the flat surface immediately behind the claw can be struck with a hammer to help drive the claw under the nail head. This flat surface also doubles up as a hammer itself. 300mm long it develops plenty of leverage to remove stubborn nails. Opposite the claw is a wide gently curved spatula shaped end, use to gently pry or as a scraper. The shaft has a scale for coarse measurement up to 200mm and also features a ring to attach a lanyard.

	Inc.vat	Ex.vat	Code
Reform Bar	£24.44	£20.37	200522

## Pry & Wrecking Bars



### Axminster Pry Bar

Every tool box should have a pry bar for removing really stubborn nails from floorboards, packing cases and so on. This one measures 380mm x 45mm and has vee slots in three positions and sharpened ends to cover all eventualities.

	Inc.vat	Ex.vat	Code
Pry Bar	£5.75	£4.79	602001



### Vaughan Mini Bar

This handy 130mm long pocket tool has a home in every tool box in the land. Use it for removing tacks and small nails, prying and levering, and it's especially useful for removing the lids from paint cans, it does the job efficiently and you won't have to ruin your best screwdriver.

	Inc.vat	Ex.vat	Code
Mini Bar	£4.94	£4.12	441017



### Vaughan Superbar

Forged from spring steel and fully tempered from tip to tip. With carefully ground edges, the curves of the Superbar are designed to give maximum leverage. Use to pry, lift, scrape or pull nails. Approximately 375mm(15") long, a most useful tool in anyone's hands.

	Inc.vat	Ex.vat	Code
Supabar	£13.94	£11.62	441016



### Vaughan Long Superbar

As they say, 'size matters' and at 530mm(21") the extra length of this Superbar will give appreciably more leverage. Forged spring tempered steel throughout, it won't let you down. The shallow tapered bevels at each end give you access to the narrowest gaps.

	Inc.vat	Ex.vat	Code
Superbar	£16.94	£14.12	441060

### Padded Palm Protection Gloves

- Designed to reduce the effects of vibration on your hands
- Palms and finger tips are suede
- Extra padding on the palms at the pressure points
- Superior fit, control, and protection.
- Elastic cuffs with vinyl hook and loop tab
- Neoprene knuckle band for form-fitting elasticity
- Available in full finger or fingerless for extra dexterity
- Conforming to EN388 (2 1 2 2)



	Inc.vat	Ex.vat	Code
Full Finger	£11.24	£9.37	700171
Fingerless	£10.44	£8.70	700172

## Punches



### Transfer Punches

This unique pair of punches is used for transferring the positions of holes from one piece of work to another. The first has five locating diameters varying from 6mm to 19 mm whilst the other has a conical end for transferring the positions of countersunk holes. Overall length 110mm; working length 30mm.

	Inc.vat	Ex.vat	Code
Punches (Pair)	£10.94	£9.12	434001



### Japanese Double-Ended Nail Set

160mm long, one way and only 35mm the other. Use normally, long ways, or sideways for getting into tight spots. It also doubles as a small tack hammer and as an anvil, a groove in the side used to steady a bent nail whilst restraining with a hammer. Forged steel.

	Inc.vat	Ex.vat	Code
Nail Set	£8.75	£7.29	200503



### Axminster Nail Punches

For driving nail or pin heads below the surface of wood. With square heads and knurled bodies. The tips are hardened for long life.

	Inc.vat	Ex.vat	Code
0.8mm	£1.85	£1.54	220081
1.6mm	£1.85	£1.54	220082
2.4mm	£1.85	£1.54	220083
3.2mm	£1.85	£1.54	220084
4.8mm	£1.85	£1.54	220085

### 8 Piece Combined Nail & Centre Punch Set

These punches are made from high carbon steel accurately hardened and tempered to BS 3066 specifications. The punches have a knurled body for a good grip. Centre punches are pointed for making indentations, nail punches have a flat tip for location on a nail head. Supplied in a twist lock wooden tub for ease of storage. Contents: four nail punches 1/32", 1/16", 3/32", 1/8" and four centre punches 1/16", 1/8", 5/32", 3/16".



	Inc.vat	Ex.vat	Code
Nail & Centre Punch Set	£10.94	£9.12	200325

### 8 Piece Parallel Pin Punch Set

Roll pins always seem to appear where least expected. Removing them can be the devil's own job without the correct size parallel punch. With this set of eight most bases will be covered. Each punch has 25mm(1") parallel pin length and an overall length of 100mm(4"). Sizes include: 1.5mm(1/16"), 2.5mm(3/32"), 3mm(1/8"), 4mm(5/32"), 5mm(3/16"), 5.5mm(7/32"), 6mm(1/4") & 8mm(5/16").



	Inc.vat	Ex.vat	Code
Pin Punch Set	£7.94	£6.62	200314



## Axminster Letter & Number Punches



For marking metals and other solid materials. Produced from high grade quality steel and heat treated to give accurate impressions. All too often these days tools are stolen, sometimes entire workshops are cleared. We are frequently asked to quote for insurance claims when a workman's whole collection has gone missing in the middle of the night. According to the police most of these tools, if recovered at all, are totally unidentifiable. They recommend at least marking tools with your post code, if not your name and address. Larger machines and power tools should also be marked and a log kept of all model and serial numbers. Workshop number and letter punches are supplied in sets in a plastic box. Letter punches contain 27 characters A to Z and &. The number punch sets contain nine numbers 0 to 9 (inverting 6 to get a 9).

	Inc.vat	Ex.vat	Code
Letter 1mm	£7.74	£6.45	600190
Letter 3mm	£7.64	£6.37	600191
Letter 4mm	£7.64	£6.37	600192
Letter 6mm	£13.94	£11.62	600194
Letter 8mm	£19.44	£16.20	600195
Number 1mm	£3.24	£2.70	610315
Number 3mm	£2.94	£2.45	610316
Number 4mm	£2.94	£2.45	610317
Number 6mm	£4.94	£4.12	610319
Number 8mm	£6.74	£5.62	610320



## Revolving Punch Pliers

Best quality, strong gauge pressed steel frame spring loaded for ease of use. Six diameters of punch ranging from 1.5mm to 4.5mm. The high quality cutting heads are opposed to a brass anvil to prevent their edges becoming damaged in use. Each cutter locates exactly in position, locking in place with a pawl and ratchet mechanism.

	Inc.vat	Ex.vat	Code
Pliers	£14.24	£11.87	440028



## Axminster 10 Piece Metric Punch Set

An easy way to to punch accurate holes, precision ground flutes and cutting edges. The set contains: 5, 6, 8, 10, 12.5, 16, 20, 25 and 32mm punches, and the punch holder. **Supplied in a case.**

	Inc.vat	Ex.vat	Code
Punch Set (10 Pce)	£23.45	£19.54	210056



## Axminster 9 Piece Hollow Punch Set

A fast and easy way to punch accurate holes, precision ground flutes and cutting edges. Set contains: 2.5, 3, 4, 5, 6, 7, 8, 9 and 10mm punches.

	Inc.vat	Ex.vat	Code
Punch Set (9 Pce)	£7.74	£6.45	210057



## BOEHM Hollow Punch Sets

Not only is the quality of these punches unsurpassable, but there is also the added bonus of being able to use pairs of punches to cut washers or sealing rings, etc. in foam, cardboard, leather, rubber, fibre, plastic or lead. Each set includes a holder and a range of punches which fit to the holder either singly for discs or in pairs for washers. All supplied in a case.

10pce = 3-4-6-8-10-12-14-16-18-20mm  
15pce = 3-4-6-8-10-12-14-16-18-20-22-24-26-28-30mm  
29pce = 2-3-4-5-6-7-8-9-10-12-14-16-18-20-22-24-26-28-30-32-34-36-38-40-42-44-46-48-50mm

	Inc.vat	Ex.vat	Code
3 - 20mm Set (10 Pce)	£72.44	£60.37	510342
3 - 30mm Set (15 Pce)	£99.95	£83.29	510343
2 - 50mm Set (29 Pce)	£219.95	£183.29	510341

## BOEHM Deluxe Punch Kit

This is a deluxe hollow punch kit with a spring loaded centralising pin. The punch set comprises 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28 and 30mm punches of which 3-10mm can be put on the handle in conjunction with the 12-20mm punches or 22-30mm punches to produce washers in one hit. Likewise the 12-20mm can be used with the 22-30mm punches. Whilst the spring loaded centre point is useful with the bigger punches it is intended also to be used with the trammel bar and cutting tool; rather cleverly the screw-in point also locks the trammel bar in position. The maximum diameter of the trammel bar is 330mm.

	Inc.vat	Ex.vat	Code
Punch Kit	£129.95	£108.29	510344



## Crown Square Blade Bradawl

Also known as a Birdcage Awl, this is by far our best selling pattern of bradawl. The square tapered blade is equally effective boring hardwoods, or even thin, delicate sections such as veneer, and has far less tendency to split the timber if used close to an edge.

	Inc.vat	Ex.vat	Code
25mm	£6.74	£5.62	800257
38mm	£6.74	£5.62	800258
50mm	£6.74	£5.62	800259



## Crown Deluxe Bradawl

Not merely a tool for making holes. The square blade is surmounted by a brass ferrule and teardrop shaped rosewood handle which fits perfectly in the hand and is a great pleasure to use. Seldom does a tool come along which is so simple and yet so good to look at and so comfortable to work with.

	Inc.vat	Ex.vat	Code
25mm	£10.14	£8.45	110053
38mm	£10.14	£8.45	110054
50mm	£10.14	£8.45	110055



## Veritas Auger Gimlets

Ideal for starting screws, auger gimlets have a tapered screw tip and an auger body. The seven sizes in the set range from 2mm to 5mm (5/64" to just over 3/16"), which will handle the pre-drill for screw sizes No.2 to No.10. They are particularly useful for short screws or screws in awkward places, both of which present problems for power pre-drilling. In tempered steel, ferro-blackened in the traditional manner, this set was made specifically for Veritas by a small European maker.

	Inc.vat	Ex.vat	Code
Auger Gimlets	£13.25	£11.04	476739



# Screwdrivers



## Crown Cabinet Screwdrivers

Traditional wooden handled cabinet screwdrivers. Forged blades are fitted with oval section cabinet-style beechwood handles. Available in a range of six sizes, all with carefully and finely ground tips making screwdriving a pleasure instead of a chore.



	Inc.vat	Ex.vat	Code
75mm (No.6 Screw)	£8.75	£7.29	400229
100mm (No.8 Screw)	£8.94	£7.45	400230
125mm (No.10 Screw)	£9.95	£8.29	400231
150mm (No.10 Screw)	£10.25	£8.54	400232
200mm (No.12 Screw)	£13.94	£11.62	400233
250mm (No.14 Screw)	£18.74	£15.62	400234



## Joseph Marples Pozidrive Cabinet Screwdrivers

A traditional oval wooden cabinet screwdriver handle fitted to a blade with a modern close tolerance Pozidrive tip. The shaped cabinet screwdriver handle is still one of the most comfortable to use. The original designer certainly knew a thing or two about ergonomics.



	Inc.vat	Ex.vat	Code
Pz1	£8.94	£7.45	952915
Pz2	£9.95	£8.29	952916



## Wiha Screwdrivers

These are quality made screwdrivers with blades of high alloy chrome-vanadium-molybdenum steel and hard dull chrome plated against corrosion, tips are precision ground, hardened and tempered. Using the very latest technology, Wiha screwdrivers are fitted with a SoftFinish handle which is moulded directly onto the blade. The hard core has a skin-sympathetic, soft material bonded around the 'Power Zone', designed to transmit the maximum torque whilst remaining comfortable and less fatiguing. If you think all screwdrivers are the same then buy one of these and discover the difference between these and the indifferent.

### Slotted



	Inc.vat	Ex.vat	Code
2.5mm x 75mm	£2.64	£2.20	100270
3mm x 80mm	£2.94	£2.45	100271
3.5mm x 100mm	£3.05	£2.54	100272
4mm x 100mm	£3.54	£2.95	100273
4.5mm x 125mm	£4.44	£3.70	100274
5.5mm 125mm	£5.54	£4.62	100275
6.5mm x 150mm	£6.24	£5.20	100276
8mm x 150mm	£7.74	£6.45	100278
8mm x 175mm	£8.15	£6.79	100277
10mm x 200mm	£10.14	£8.45	100280

### Phillips

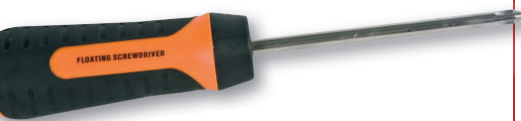


	Inc.vat	Ex.vat	Code
Ph1 x 80mm	£4.04	£3.37	100282
Ph2 x 100mm	£5.75	£4.79	100283

### Pozi



	Inc.vat	Ex.vat	Code
Pz0 x 60mm	£3.95	£3.29	100285
Pz1 x 80mm	£4.85	£4.04	100286
Pz2 x 100mm	£6.54	£5.45	100287
Pz3 x 150mm	£9.95	£8.29	100288



## Axminster Stainless Steel Screwdriver

This is not a gimmick, here's a screwdriver suitable for outdoor use in all weathers. The blade is stainless steel to resist any attack by the dreaded rust. The comfort grip inserts on the handle ensure a firm grip even in the wet, and it floats. The slightly enlarged handle means even cold hands can still turn a screw. This is one tool that is an ideal part of a toolkit for outdoor pursuits or anyone who finds themselves working out in all weathers. The blades are 100mm long.

	Inc.vat	Ex.vat	Code
5.5mm Slotted	£7.44	£6.20	210322

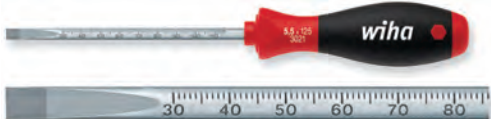


## Wiha Flip-Top Screwdriver Bit Holder

This has to be one of the best user-friendly screwdrivers we have come across. The Flip-Top bit holder cleverly housed in the handle means you can easily find the tip you need in seconds. The bits automatically rotate as you fold the holder back into the handle for storage - ingenious!

A 1/4" hex magnetic stainless steel bit holder ensures the tip is held securely. The handle has a soft inset for a firm comfortable grip. This is a truly unique and versatile screwdriver. Supplied with eight screwdriver tips, slotted, and Pozi drive. A genuine pleasure to use. Made in Germany.

	Inc.vat	Ex.vat	Code
Flip-Top Screwdriver	£22.44	£18.70	210727



## Wiha Screwdrivers with Scale



About as useful and handy as you can get, a screwdriver that doubles up as an easy depth gauge or ruler. The scale is laser etched onto the blade, it won't rub off over time and is clear and easy to read. These screwdrivers are Wiha's high quality with blades of high alloy chrome-vanadium-molybdenum steel and hard dull chrome plated against corrosion. The tips are precision ground, hardened and tempered, using the very latest technology. The SoftFinish handle is moulded directly onto the blade, and designed to transmit the maximum torque whilst remaining comfortable and less fatiguing. The slotted screwdriver has a scale up to 110mm, the Pozi drive to 90mm. The sort of tool you'll never regret purchasing.

	Inc.vat	Ex.vat	Code
Slotted - 4mm x 100mm	£4.25	£3.54	952983
Slotted - 5.5mm x 110mm	£6.54	£5.45	950950
Pozi No.1 x 80mm	£5.75	£4.79	502277
Pozi No.2 x 90mm	£7.94	£6.62	950951



## Wiha TORX Drive (T-Star) Screwdrivers



As with all other Wiha screwdrivers the Torx Drive (T-Star) driver features a blade made from high alloy chrome-vanadium-molybdenum steel, hard dull chrome plated against corrosion. The tip is precision ground, hardened and tempered. Using the very latest technology, Wiha screwdrivers are fitted with a SoftFinish handle which is moulded directly onto the blade. The hard core has a skin-sympathetic, soft material bonded around the 'Power Zone', designed to transmit the maximum torque whilst remaining comfortable and less fatiguing.

	Inc.vat	Ex.vat	Code
T7 x 60mm	£4.04	£3.37	223000
T8 x 60mm	£4.04	£3.37	223001
T9 x 60mm	£4.34	£3.62	223002
T10 x 80mm	£4.44	£3.70	223003
T15 x 80mm	£4.44	£3.70	223004
T20 x 100mm	£4.74	£3.95	223005
T25 x 100mm	£4.94	£4.12	223006
T40 x 130mm	£5.54	£4.62	223009



## Wiha 6 in 1 Stubby Magazine Bit Holder



What a great idea, a small, handy screwdriver with a bit magazine cleverly concealed in the handle. Removing the top cap reveals six Wiha screwdriver bits, three slotted and three Pozi or six Torx. The handle is Wiha's SoftFinish exactly as the rest of their professional screwdriver range. The integral magnetic bit holder takes all standard 1/4" hex bits. A smart, all-round bit storage solution and a really good screwdriver and only 57mm tall (excluding screwdriver tip).

	Inc.vat	Ex.vat	Code
6 in 1 Bit Holder	£11.24	£9.37	210938
Torx Bit Holder	£9.44	£7.87	502410





## Wiha Stubby Screwdrivers

These are quality made screwdrivers with blades of high alloy chrome-vanadium-molybdenum steel and hard dull chrome plated against corrosion, tips are precision ground, hardened and tempered. Using the very latest technology, Wiha screwdrivers are fitted with a SoftFinish handle which is moulded directly onto the blade. The hard core has a skin-sympathetic, soft material bonded around the 'Power Zone', designed to transmit the maximum torque whilst remaining comfortable and less fatiguing. If you think all screwdrivers are the same then buy one of these and discover the difference between the indifferent. 25mm blade.

	Inc.vat	Ex.vat	Code
Slotted 5.5	£3.95	£3.29	300090
Pz1	£4.55	£3.79	300091
Pz2	£4.94	£4.12	300093



## Wiha 6 Piece Screwdriver Set

A most useful set of screwdrivers, 1 and 2 point Pozidrive, 3.5, 4.5, 5.5, and 7.0mm slotted.

	Inc.vat	Ex.vat	Code
Set (6 Pce)	£30.95	£25.79	100281



## Wiha 6 Piece TORX (T-Star) Screwdriver Set

Six screwdrivers covering commonly used Torx (T-Star) screw sizes (3.0mm to 8.0mm screws). The set contains T10, T15, T20, T25, T30 and T40.

	Inc.vat	Ex.vat	Code
Torx Set (6 Pce)	£29.94	£24.95	305087

## Wiha 6 Piece Engineer's Screwdriver Set

Six hex bladed screwdrivers, four slotted 3.5, 4.5, 5.5 and 6.5mm tips, plus number 1 and 2 Pozidrive sizes. With the added bonus of a hex bolster allowing a spanner to be used for extra leverage. Tough tools for tough situations.

	Inc.vat	Ex.vat	Code
Engineer's Set (6 Pce)	£38.45	£32.04	305331



## Wiha Precision Electronic Screwdriver Set

Wiha Precision Screwdrivers are probably the best one can buy for accurate, efficient work, whether it be clock repairs or delicate electronic assembly. The slim design of the handle and free spinning top cap allows for exact tightening together with ease of use and positioning. Used extensively in industry this set of screwdrivers will find a place in anyone's tool kit where precision or assembly of small parts is called for. Comes complete with four slotted screwdrivers plus two Phillips: 0 and 00. Supplied complete with wall rack.

	Inc.vat	Ex.vat	Code
Set (6 Pce)	£18.44	£15.37	100266



## Proxxon 15 Piece MICRO Screwdriver Set

The 40mm long blades are high alloy nickel-chrome-molybdenum for maximum hardness and toughness. Chromed with brinelled tip. The ergonomically formed plastic handles are oil and impact resistant. The revolving top and finger mould improve ease of use. The set is supplied in a practical stand that may be used as benchtop stand or fixed to a wall. This 15 piece set comprises slot-head: 1.0mm, 2.0mm and 3.0mm; Phillips head: PH 0.3, PH 0 and PH 1.2; torx: T5, T6, T8, T10 and T15; hex: 1.5mm, 2.0mm, 2.5mm and 3.0mm.

	Inc.vat	Ex.vat	Code
Set (15 Pce)	£29.94	£24.95	475391

## Stanley FatMax Screwdrivers

The FatMax screwdrivers have a chrome vanadium steel bar which allows high torque and reduces the risk of tip breakage and the handle is moulded directly to shaft for a virtually unbreakable bond which gives long life and durability. The soft-grip handle gives a perfect combination of great grip and reduced fatigue in use and is colour coded for easy identification of the right tip type for the application. The smooth domed end offers fast, comfortable spinning action and the large diameter handle offers higher torque when driving wood screws. Parallel tips are ideal if the screw needs to be driven below the material surface.



### Stanley FatMax Screwdriver Parallel Tip

	Inc.vat	Ex.vat	Code
Parallel 3.0mm x 50mm	£2.94	£2.45	135956
Parallel 3.5mm x 75mm	£3.24	£2.70	135958
Parallel 2.5mm x 50mm	£2.75	£2.29	135960
Parallel 3.0mm x 100mm	£3.44	£2.87	135962
Parallel 4.0mm x 150mm	£3.74	£3.12	135973
Parallel 5.5mm x 150mm	£4.44	£3.70	135974
Parallel 6.5mm x 150mm	£5.75	£4.79	135975
Parallel 3.0mm x 150mm	£3.74	£3.12	135957
Parallel 4.0mm x 100mm	£3.74	£3.12	135972
Parallel 5.5mm x 30mm	£3.74	£3.12	136010
Parallel 6.5mm x 30mm	£4.25	£3.54	136011



### Stanley FatMax Screwdriver Flared Tip

	Inc.vat	Ex.vat	Code
Flared 4.0mm x 100mm	£3.74	£3.12	135969
Flared 5.5mm x 100mm	£4.25	£3.54	135976
Flared 8.0mm x 150mm	£6.44	£5.37	135979
Flared 8.0mm x 175mm	£6.95	£5.79	135980
Flared 10.0mm x 200mm	£7.44	£6.20	135981
Flared 6.5mm x 150mm	£5.75	£4.79	135983
Flared 12.0mm x 250mm	£8.45	£7.04	135985
Flared 3.0mm x 75mm	£2.94	£2.45	136042
Flared 4.0mm x 125mm	£3.95	£3.29	136044
Flared 5.5mm x 125mm	£4.44	£3.70	136045
Flared 5.5mm x 150mm	£4.74	£3.95	136046



### Stanley FatMax Screwdriver Phillips Tip

	Inc.vat	Ex.vat	Code
Phillips 00 x 50mm	£3.44	£2.87	135986
Phillips 0 x 75mm	£3.74	£3.12	135987
Phillips 1 x 100mm	£4.25	£3.54	135988
Phillips 2 x 125mm	£5.75	£4.79	135990
Phillips 2 x 250mm	£6.44	£5.37	135991
Phillips 3 x 150mm	£6.44	£5.37	135992
Phillips 4 x 200mm	£8.45	£7.04	135993



### Stanley FatMax Screwdriver Torx Tip

	Inc.vat	Ex.vat	Code
Torx T10 x 75mm	£4.25	£3.54	136003
Torx T15 x 75mm	£4.74	£3.95	136004
Torx T20 x 100mm	£5.24	£4.37	136005
Torx T25 x 100mm	£5.75	£4.79	136006
Torx T30 x 125mm	£6.95	£5.79	136008
Torx T40 x 125mm	£7.44	£6.20	136009



## Screwdrivers

### Stanley Cushion Grip Screwdrivers

The Stanley Cushion Grip Flared tipped screwdrivers have a chrome plated bar which is corrosion resistant and magnetic tips for easy pick up and screw locator. The soft-grip handle provides excellent torque and comfort. It has a smooth domed end for fast spinning action, speed and comfort and the large diameter handle offers greater torque which is needed for driving wood screws. Screw tip identification is shown on the handle.



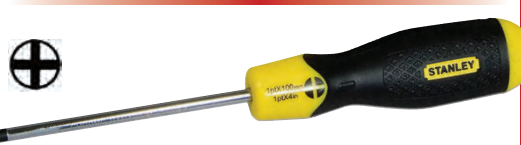
#### Stanley Cushion Grip Screwdriver Flared Tip

	Inc.vat	Ex.vat	Code
Flared 3mm x 75mm	£2.24	£1.87	135888
Flared 5mm x 100mm	£2.94	£2.45	135889
Flared 6.5mm x 150mm	£3.95	£3.29	135891
Flared 8mm x 150mm	£4.44	£3.70	135893
Flared 10mm x 200mm	£4.94	£4.12	135895
Flared 6.5mm x 45mm	£2.75	£2.29	135890



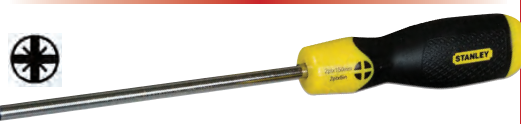
#### Stanley Cushion Grip Screwdriver Parallel Tip

	Inc.vat	Ex.vat	Code
Parallel 2.5mm x 75mm	£1.94	£1.62	135896
Parallel 3mm x 75mm	£2.15	£1.79	135897
Parallel 3mm x 100mm	£2.24	£1.87	135898
Parallel 6.5mm x 200mm	£3.95	£3.29	135899



#### Stanley Cushion Grip Screwdriver Phillips Tip

	Inc.vat	Ex.vat	Code
Phillips 0pt x 60mm	£2.24	£1.87	135900
Phillips 1pt x 75mm	£2.75	£2.29	135903
Phillips 1pt x 150mm	£3.24	£2.70	135906
Phillips 2pt x 100mm	£3.44	£2.87	135934
Phillips 2pt x 150mm	£3.74	£3.12	135948
Phillips 3pt x 150mm	£4.25	£3.54	135949
Phillips 1pt x 45mm Stubby	£2.45	£2.04	135902
Phillips 2pt x 45mm Stubby	£3.24	£2.70	135908



#### Stanley Cushion Grip Screwdriver Pozi Tip

	Inc.vat	Ex.vat	Code
Pozi 0pt x 60mm	£2.24	£1.87	135951
Pozi 1pt x 75mm	£2.75	£2.29	135953
Pozi 2pt x 100mm	£3.44	£2.87	135954
Pozi 3pt x 150mm	£4.25	£3.54	135955

### Stanley FatMax Screwdriver Pozi Stubby

The Stanley FatMax Pozi tip screwdrivers have a chrome vanadium steel bar which allows high torque and reduces the risk of tip breakage and the handle is moulded directly to shaft for a virtually unbreakable bond which gives long life and durability. The soft-grip handle gives a perfect combination of great grip and reduced fatigue in use and is colour coded for easy identification of the right tip type for the application. The smooth domed end offers fast, comfortable spinning action and the large diameter handle offers higher torque when driving wood screws.

	Inc.vat	Ex.vat	Code
Pozi Pz1 x 30mm Stubby	£3.24	£2.70	136015
Pozi Pz2 x 30mm Stubby	£4.25	£3.54	136016

## Ratchet Drivers



### Axminster Three Way Ratchet Pro T-Bar Screwdriver

There are five 1/4" hex screwdriver tips stored safely in the handle. The handle is 115mm long with a non slip rubberised grip. The shaft features a spring loaded quick release bit holder. The ratchet mechanism is reversible as well as lockable. What makes this screwdriver particularly useful is its ability to lock the shaft in any one of three positions. In-line, at 45° or in a T-handle configuration. The five tips supplied are 25mm long: PH2 and PH3 plus 5, 6 and 7mm slotted bits.



	Inc.vat	Ex.vat	Code
3 Way Ratchet Screwdriver	£10.44	£8.70	210319



### Wiha Topra Ratchet

The ratchet screwdriver for all occasions. Advantages include the large ergonomic handle adapted to fit the natural form of the hand, giving user comfort and very high torque transfer. A change of direction can be managed with only one hand, this means screws can be inserted or removed whilst the other hand holds the workpiece. The T-shaped handle gives incredible transmission of high torque. Supplied with an assortment of 10 screwdriver tips. The holder can of course use other 1/4" hex tips or sockets with a suitable adaptor.

	Inc.vat	Ex.vat	Code
Topra Ratchet	£34.94	£29.12	100332



### Confined Space Ratchet Driver

OK, so it's not really a screwdriver but with a little lateral thinking it is. With an overall height of only 32mm (1.1/4"), operated from the side rather than above, possibly the shortest screwdriver in the world. A reversible ratchet supplied with 7 tips, comprising 1 x Pz1, 2 x Pz2, 4.5mm and 7mm slotted, and T15 and T20 T-Star/Torx bits.

	Inc.vat	Ex.vat	Code
Ratchet Driver	£4.94	£4.12	340355



### 12 Piece Confined Space Ratchet Driver & Bit Set

A well finished forged 1/4" hex mini reversible ratchet. 95mm in length, with a 15mm deep head. With a screwdriver tip in place it still only needs 30mm in which to operate. Included are 1/4" hex 10 tips (3 Phillips and 7 Torx) plus a 1/4" hex quick release bit holder to use in a drill or extend the reach of the ratchet.

	Inc.vat	Ex.vat	Code
Ratchet Driver & Bit Set	£15.95	£13.29	700262



### 11 Piece Stainless Steel Ratchet Driver & Bit Set

You won't have to worry too much about these tips and holders corroding when your back is turned. This 11 piece set includes nine stainless steel 1/4" hex bits: 1 and 2 Pozis, 1 and 2 Phillips, 1 T10 and 2 T20 Torx plus 5mm and 6mm slotted bits. The magnetic bit holder is also stainless steel as is the mini 1/4" hex reversible ratchet. The ratchet is very useful when trying to get a screw in an awkward spot, being only 40mm tall including the tip. The set is supplied with a belt clip holder making it easy to carry around.

	Inc.vat	Ex.vat	Code
Set (11 Pce)	£11.94	£9.95	210318



### Reversible Ratchet Screwdriver

The selector for the twelve-point ratchet is conveniently placed so direction can be changed with the thumb of the hand holding the driver. There is storage inside the soft grip handle for the ten bits supplied (Pozi 1, 2 & 3, Ph1, 2 & 3, Torx T15 & T20, Hex 4mm & 5mm). An excellent feature is the sliding clear plastic tube, which covers the shaft, this slides over the screw to be driven and helps keep the bit in the slot and certainly makes starting and correctly locating the screw far easier.

	Inc.vat	Ex.vat	Code
Reversible Driver	£9.95	£8.29	810087



### Hex Adaptor for Yankee Screwdrivers

- Hex bit adaptors for Yankee® screwdrivers
- Increase the range of bits your screwdriver will accept
- Available in 3 sizes: 5.5mm (7/32"), 7mm (9/32") and 8mm (5/16")

	Inc.vat	Ex.vat	Code
Adaptor 5.5mm (7/32")	£5.75	£4.79	504595
Adaptor 7mm (9/32")	£5.75	£4.79	504596
Adaptor 8mm (5/16")	£5.75	£4.79	504597





## Wiha Mains Testing Screwdriver

Simple checker for live mains terminations during assembly, blade length 100mm.

	Inc.vat	Ex.vat	Code
Slotted 3.5mm	£3.35	£2.79	100334



## Wiha Voltage Tester Screwdriver

The Wiha voltage tester will test for the presence or absence of electrical voltage in the range 110V to 250V. A neon indicator lamp inside the handle lights up on detecting the live part of an electrical circuit. The clever design of the clear handle magnifies the lamp making it easier to use and includes a pocket clip. This tool is suitable for use on circuits where the voltage does not exceed 250V. Fully insulated, it conforms to VDE, GS and CE standards.

	Inc.vat	Ex.vat	Code
Voltage Tester Screwdriver	£6.95	£5.79	952808



## Wiha VDE Electrician's Screwdrivers

Red and yellow Wiha's SoftFinish insulated handles for complete safety, easy recognition and comfort. These screwdrivers are all fully tested and conform to very strict DIN standards and European and International IEC and VDE standards for use on all types of common electrical work. Fully tested up to 10,000 Volts DC and guaranteed to 1,000 Volts AC. These are industrial/professional tools but even if you're only changing a 13 amp fuse it's good practice to use a VDE screwdriver and a good habit to get into.

	Inc.vat	Ex.vat	Code
Slotted 2.5mm x 75mm	£4.34	£3.62	211843
Slotted 3mm x 100mm	£4.34	£3.62	211844
Slotted 3.5mm x 100mm	£4.44	£3.70	211845
Slotted 4mm x 100mm	£5.54	£4.62	211846
Phillips Ph0 x 60mm	£5.04	£4.20	211847
Phillips Ph1 x 80mm	£5.94	£4.95	211848
Phillips Ph2 x 100mm	£7.44	£6.20	211849
Pozi Pz1 x 80mm	£6.65	£5.54	211850
Pozi Pz2 x 100mm	£8.15	£6.79	211851



## Wiha Xeno VDE Terminal Screwdriver Set

Special screwdrivers designed for screws with a unique cross slotted tip for combination head screws found in electrical apparatus such as relays, circuit breakers, screw connectors, terminal blocks etc. The blades are high quality chrome-vanadium-molybdenum steel, through hardened, black-finish with exact fit precision machined tips. This exact fit offers better control and transmission of tightening torque is less likely to damage and wear the heads of screws. The high quality blade insulation is moulded directly onto the blade and therefore guarantees safety when working on live equipment up to 1,500V DC or 1,000V AC. To maintain this safety, each screwdriver is individually tested in a water bath at 10,000V according to EN/IEC 60900:2004. These are Wiha professional quality throughout. Supplied as a pair 1 of each 1 and 2 point.

	Inc.vat	Ex.vat	Code
1pt & 2pt Xeno Pozi	£16.25	£13.54	210939



## 6 Piece Wiha VDE Electrician's Screwdriver Set

A set covering most common applications required by the professional electrician. The set consists of two Phillips point 1 and 2 and four slotted screwdrivers 3.0, 4.0, 5.5 and 6.5mm. All feature Wiha's softfinish handles. Fully tested up to 10,000 Volts DC and guaranteed to 1,000 Volts AC.

	Inc.vat	Ex.vat	Code
VDE Set (6 Pce)	£26.45	£22.04	211852



## Wiha slimFix VDE Screwdrivers

Produced to give better access to recessed screws, particularly in terminal blocks when a thick insulation jacket often prevents the tip from reaching the screw head. Wiha slimFix technology ensures these screwdrivers fully conform to the very strict DIN standards and European and International IEC and VDE standards for use on all types of common electrical work. Fully tested up to 10,000 Volts DC and guaranteed to 1,000 Volts AC. These are industrial/professional tools.

	Inc.vat	Ex.vat	Code
Pozi Pz1 x 80mm	£9.44	£7.87	952882
Pozi Pz2 x 100mm	£12.95	£10.79	952883
Slotted 3.5mm x 100mm	£6.44	£5.37	950948
Slotted 4.5mm x 125mm	£8.45	£7.04	952884



## Wiha 10 Piece VDE Torque Screwdriver Set

Manufacturer's instructions specify correct torque settings for terminations especially in switchgear and consumer units. Under-torqued screws result in a loose connection, possibly leading to arcing and hot spots, overtightened screws may damage the terminal. With the screws at the correct torque, you gain peace of mind in the knowledge of a job well done. Wiha carry out individual inspection, calibration and certification of every TorqueVario VDE tool. All the tools from the range adhere to the International Standards of accuracy BS EN 6789. The Wiha 10 piece set is ideal; it comprises a 1.0 to 5.0Nm adjustable TorqueVario handle, a torque setting tool, a slimVario handle, an adaptor and six slimBits (4mm, 5.5mm, PH 1 and 2, PZ 1 and 2). All neatly contained in a tough case. The Wiha TorqueVario set 36078 offers the safety of 1,000V insulation and adherence to the 17th Edition Wiring Regulations with a tool meeting all relevant European and British standards.

	Inc.vat	Ex.vat	Code
Wiha 10 Piece VDE Torque Screwdriver Set	£139.94	£116.62	952958

slimTECHNOLOGY



## Wiha Twinpack slimFix VDE Screwdrivers

This slimFix twinset comprises a 3.5mm slotted and a 2Pz screwdriver. Produced to give better access to recessed screws, particularly in terminal blocks when a thick insulation jacket often prevents the tip from reaching the screw head. Wiha slimFix technology ensures these screwdrivers fully conform to the very strict DIN standards and European and International IEC and VDE standards for use on all types of common electrical work. Fully tested up to 10,000 Volts DC and guaranteed to 1,000 Volts AC. These are industrial/professional tools.

	Inc.vat	Ex.vat	Code
Twinpack	£15.44	£12.87	952999



## Wiha 6 Piece slimFix VDE Screwdriver Set

Wiha's unique slimFix screwdriver technology allows you to access screws recessed with electrical switchgear etc. The design means there is no loss of protection and these tools fully comply with stringent VDE, GS and IEC standards and regulations. The set consists of 1Pz and 2Pz screwdrivers plus four slotted screwdrivers 3.5, 4.0, 5.5 and 6.5mm. All feature Wiha's softfinish handles. Fully tested up to 10,000 Volts DC and guaranteed to 1,000 Volts AC.

	Inc.vat	Ex.vat	Code
slimFix VDE Set (6 Pce)	£32.94	£27.45	952998



## Wiha 16 Piece slimVario VDE Screwdriver Set

The set includes a SoftFinish handle with an integrated quick release bit holder, a voltage tester and 14 interchangeable blades in a tough nylon tool roll. The innovative slimFix screwdriver blades solve a common problem. Thick insulation on most VDE screwdrivers often obstructs and prevents access to recessed screw heads. The slimFix blades have a super slim profile. Each blade is chrome-vanadium-molybdenum steel with a hardened black finish to the tip. The handle is 160mm long with a free-spin sleeve for rapid operation. The blades comprise slotted 2.5, 3.0, 4.0 and 5.5mm, Pz1 and 2, Ph1 and 2, Torx T10, T15, T20 and T25 plus Xeno terminal Pz1 and 2. VDE approved, safe up to 1,000V (AC) tested to 10,000V, compliant to IEC 60900:2004, 1000VAC / 1500VDC.

	Inc.vat	Ex.vat	Code
SlimVario Set (16 Pce)	£46.44	£38.70	502409

# Electrician's & Specialist Screwdrivers



## Wiha 6 in 1 VDE Electrician's Screwdriver

This is the worlds first VDE 6 in 1 screwdriver. It is fully tested and conform to very strict DIN standards and European and International IEC and VDE standards for use on all types of common electrical work. Fully tested up to 10,000 Volts DC and guaranteed to 1,000 Volts AC. This is a industrial/professional tool, but even if you're only changing a 13 amp fuse it's good practice to use a VDE screwdriver and with this screwdriver you should have every size head you need. Contains 3 x slot heads, 1 x PH1, 1 x PH2 and 1 x SL/PZ 2.

	Inc.vat	Ex.vat	Code
VDE Screwdriver	£39.95	£33.29	507001



**NEW!**



## Wiha Super 7 VDE Tool Set

These are professional quality tools made in Germany. When working on or near electrically live components, this VDE set will give the highest level of electrical safety. The multi-component thick wall handles have soft zone insulation that has been tested to 10,000V to meet strict VDE requirements and is guaranteed up to 1,000V AC. This set contains diagonal cutters with precise cutting edges, induction hardened for strength. The six VDE screwdrivers (Ph2, Pz2, SL/Pz2 plus three slotted) have insulation moulded directly to the blade to ensure maximum protection. Supplied in a strong zippered case.

	Inc.vat	Ex.vat	Code
Electrician's Tool Set (7 Pce)	£52.94	£44.12	507000

14 PROXXON



## Proxxon Insulated VDE Screwdriver Set (6 Pce)

The Proxxon Insulated FLEX-DOT Screwdriver Set is tested to a VDE standard. They are safe for use on or around live components up to 1,000V AC. Sizes included: 2.5, 4, 5.5 and 6.5mm flat headed screwdrivers and Phillips PH1 and PH2.

	Inc.vat	Ex.vat	Code
VDE Screwdriver Set (6 Pce)	£23.45	£19.54	953138



## Wiha Screwdriver Bit Holder

A choice of two, both with 1/4" hex holders, ready to take the bit of your choice. Either a standard solid bar with Wiha's power handle or a flexible driver with a very high quality rubber coated shaft for working in more inaccessible areas.

	Inc.vat	Ex.vat	Code
Bit Holder	£14.94	£12.45	100300
Flexible Driver	£13.74	£11.45	100301



## Wiha Offset Screwdrivers

The solution to tightening or loosening a screw in difficult to reach places, the offset or cranked screwdriver. A plastic sleeve forms the grip and allows plenty of torque to be brought to bear on even the most stubborn screws.

	Inc.vat	Ex.vat	Code
Slotted 5.5mm x 125mm	£4.44	£3.70	100219
Slotted 8mm x 150mm	£6.44	£5.37	100240
Pz1 & Pz2 x 125mm	£5.15	£4.29	100258
Pz2 & Pz3 x 150mm	£7.94	£6.62	100259

## Wiha Magnetiser/De-Magnetiser



The solution to starting or extracting screws from tricky places is to magnetise the blade. Simply running the blade through the 'magnetising' slot gives more than enough magnetism to pick up and hold a screw on the tip. To 'switch off' the magnetism or de-magnetise a blade, simply run the blade in and out of the other slot a few times.

	Inc.vat	Ex.vat	Code
Magnetiser/De-Magnetiser	£6.95	£5.79	100302

**NEW!**

## Hex Adaptor for Yankee Screwdrivers

- Hex bit adaptors for Yankee® screwdrivers
- Increase the range of bits your screwdriver will accept
- Available in 3 sizes: 5.5mm(7/32"), 7mm(9/32") and 8mm(5/16")

	Inc.vat	Ex.vat	Code
Adaptor 5.5mm (7/32")	£5.75	£4.79	504595
Adaptor 7mm (9/32")	£5.75	£4.79	504596
Adaptor 8mm (5/16")	£5.75	£4.79	504597

# Screw Extractors

Veritas®

## Screw Lifter

The screw lifter weighs less than 35g, takes up virtually no room in a tool box and stands ready at all times to eliminate one of the frustrations of life. You can either slip the slim tip underneath the screw and press the arched body to provide removal tension, or you can flatten the arch and engage the screw in the keyhole cut-out and have both hands free to operate a screwdriver. The third alternative is to attack the screw with pliers, screwdrivers and chisels, creating a crater that would do justice to a small nuclear device.



	Inc.vat	Ex.vat	Code
Screw Lifter	£9.95	£8.29	477217

## Screw Extractor Set

A small hole is drilled down the centre of the offending stud and the appropriate extractor inserted, turning the extractor anti-clockwise so it tightens it in the hole and automatically loosens the broken stud. Set of five high speed steel extractors, for common stud sizes M3 to M18, 1/8" to 19/64". Guaranteed to help you unwind.



	Inc.vat	Ex.vat	Code
Extractor Set (5 Pce)	£3.44	£2.87	810031

## TiN Coated Drill & Easy Out Set

One of these sets should be sitting in every engineer's toolbox ready for that moment of disaster when a bolt or stud shears off flush with the surface. All that you need to do is to centre pop the exposed face of the bolt, drill out with the appropriate drill and then ease the bolt out with the tapered, left-hand threaded extractor mounted in a tap wrench. Not the sort of thing that you will do very often, but nonetheless often the only way out of a tricky situation. The 10 piece set covers the range of bolt sizes from 3mm right up to 15mm.



	Inc.vat	Ex.vat	Code
Set (10 pce)	£12.24	£10.20	200295



## Screw Extractor, Quick Change Adaptor & Bit Set

This kit covers most eventualities, be it a screw with a damaged head or a bolt with a head too rounded for a spanner to gain any purchase. The kit also means the offending item can be removed quickly and without damaging the surrounding material. Three screw extractors cover screw sizes from 3mm to 6mm (6 to 14 gauge); three stud extractors are suitable for bolts from M3 right up to M14. The extractors are all on 1/4" hex shanks; the case also contains a 1/4" hex quick change adaptor plus two Pozis, two Phillips and two slotted bits.



	Inc.vat	Ex.vat	Code
Extractor & Bit Set	£11.84	£9.87	600533





## Swann Morton Scalpel Handles

Three options are offered - (1) the No.5A with large, comfortable blue acrylic handle, supplied with five No.10A blades, (2) the No.3 Graphic Art and Modeller's handle with five No.10A blades and (3) the B3 Professional, particularly comfortable when using the scalpel for long periods. The B3 is supplied without blades.

	Inc.vat	Ex.vat	Code
5A Handle	£9.95	£8.29	110339
No.3 Handle	£4.44	£3.70	310183
B3 Handle	£19.94	£16.62	100372



## Swann Morton Retractable

Sooner or later someone was bound to develop a retractable scalpel. Luckily for all of us it was Swann Morton. A light aluminium body houses the slide mechanism with three locking positions - fully retracted for safety when not in use, second position for use and fully extended for changing blades. The real plus point is the way Swann Morton have eliminated any 'play' between the body and mechanism no matter what the blade position. This is a truly versatile, exceptionally well made tool, suited to everyone's tool kit. **Supplied with five No.10A blades.**

	Inc.vat	Ex.vat	Code
Retractable	£6.74	£5.62	100370

## Swann Morton Scalpel Blades

Blades to fit all scalpel handles and Retractable. Blades supplied in packs of five, selected blades in packs of 100.



	Inc.vat	Ex.vat	Code
No.10 (Pkt 5)	£2.05	£1.71	100374
No.10A (Pkt 5)	£2.05	£1.71	100375
No.11 (Pkt 5)	£2.05	£1.71	100376
No.15 (Pkt 5)	£2.05	£1.71	100377
No.10 (Pkt 100)	£13.94	£11.62	010100
No.10A (Pkt 100)	£13.94	£11.62	010200
No.11 (Pkt 100)	£13.94	£11.62	010300



## Axminster Rotary Cutter

A handy little cutter which will produce tear-free cuts in a variety of thin and fragile materials, including paper, card and fabrics. Can be used freehand or with a straight edge.

	Inc.vat	Ex.vat	Code
Rotary Cutter	£5.84	£4.87	110240
Replacement Blade	£2.64	£2.20	110241



## Swann Morton Large Scalpels

Two scalpel handles designed to take larger scalpel blades - either the No.4 all steel slimline handle or the 6A acrylic handle. Each is supplied with five No.26 blades of surgical quality steel. Three different blade shapes are available separately, each packs of five.

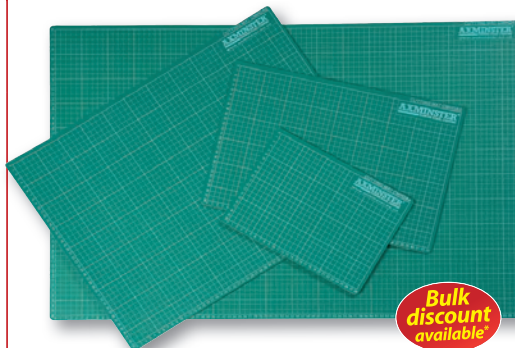
	Inc.vat	Ex.vat	Code
No.6A Acrylic Handle	£9.95	£8.29	100373
No.4 Steel Handle	£4.44	£3.70	100371

## Swann Morton Scalpel Blades (Large)

Blades of surgical quality steel supplied in three different blade shapes, packs of five.



	Inc.vat	Ex.vat	Code
No.21 (Pkt 5)	£2.05	£1.71	100378
No.25 (Pkt 5)	£2.05	£1.71	100379
No.26 (Pkt 5)	£2.05	£1.71	100380



## Axminster Cutting Mats

A range of heavy duty cutting mats made of multi layer PVC 3mm thick which gives a protective surface when cutting almost any material. They not only protect the surface of a bench, kitchen table or desk from damage but make knife blades last that little bit longer. Great for use with cutting scales, mount cutters or, in fact, anywhere craft knives are used.

	Inc.vat	Ex.vat	Code
A1 Mat (594 x 841mm)	£16.44	£13.70	400290
A2 Mat (420 x 594mm)	£9.24	£7.70	400291
A3 Mat (297 x 420mm)	£5.45	£4.54	400292
A4 Mat (210 x 297mm)	£3.24	£2.70	400293



## Swann Morton ACM Handles

Each handle is supplied fitted with a single blade. Replacement and alternative blades are available in packs of five.

	Inc.vat	Ex.vat	Code
No.1 Handle	£3.44	£2.87	100358
No.2 Handle	£3.74	£3.12	100359



## Swann Morton Blades for No.1 Handle

All blades supplied in packs of five.

	Inc.vat	Ex.vat	Code
No.7 (Pkt 5)	£1.85	£1.54	100361
No.10 (Pkt 5)	£1.85	£1.54	100362
No.11 (Pkt 5)	£1.85	£1.54	100363
No.16 (Pkt 5)	£1.85	£1.54	100364
No.17 (Pkt 5)	£1.85	£1.54	100365



## Swann Morton Blades for No.2 & No.5 Handles

All blades supplied in packs of five.

	Inc.vat	Ex.vat	Code
No.2 (Pkt 5)	£2.05	£1.71	100360
No.18 (Pkt 5)	£2.05	£1.71	100366
No.22 (Pkt 5)	£2.05	£1.71	100367
No.24 (Pkt 5)	£2.05	£1.71	100368
No.28 (Pkt 5)	£2.05	£1.71	100369

## Swann Morton ACM Modelling Knife Set

From the world renowned manufacturer of surgical blades comes the Arts, Crafts and Modellers Set (ACM). The quality of this set is second to none, as you would expect from a company that produces one million scalpel blades a week. The set consists of three handles and thirteen precision ground carbon steel blades, all housed in a very robust plastic case. This is a company that cares passionately about its reputation and that passion is reflected in the quality of its products, the ACM Knife Set being no exception. Handles and blades are all available separately, the spare blades are supplied in packs of five.

	Inc.vat	Ex.vat	Code
Modelling Set	£24.95	£20.79	100357

# Utility Knives



## Hultafors Chisel Knife

The Chisel Knife is a robust knife with double bevelled edges. The 70mm long blade is made of 3mm thick high carbon Japanese steel hardened to 58-60 HRC. The handle and sheath are of extra durable PP plastic. **N.B. By purchasing any knife, you are confirming that you are AGED 18 or over.**

**Bulk discount available\***

	Inc.vat	Ex.vat	Code
Chisel Knife	£6.44	£5.37	502375



**Bulk discount available\***

## Hultafors Craftman's Utility Knife

Great for all tougher jobs, on site or in the garden. This knife has a 90mm long high carbon steel blade, is easy to sharpen and takes an excellent edge. The handle and sheath are of extra durable PP plastic. The sheath features a unique method for attaching it around a button on your work clothes, which means it does not loosen, but is easy to remove. The sheath fits just as well on your belt as on your buttons. **N.B. By purchasing any knife, you are confirming that you are AGED 18 or over.**

	Inc.vat	Ex.vat	Code
Craftman's Knife	£4.14	£3.45	502372



## Hultafors Electrician's Knife

A knife designed for work on wiring and nylon ties. The blade has two edges, a double bevelled straight edge and a single bevelled edge for cable stripping. The 33mm long blade is 1.5mm thick Japanese high carbon steel that has been hardened to 58-60 HRC. **N.B. By purchasing any knife, you are confirming that you are AGED 18 or over.**

	Inc.vat	Ex.vat	Code
Electricians Knife	£4.44	£3.70	502374



**Bulk discount available\***

## Hultafors Stainless Steel Craftman's Utility Knife

Here is a durable, all-purpose utility knife featuring a Japanese stainless steel blade and unbreakable PP plastic handle. The 90mm blade takes an excellent edge, hardened to 57-59HRC it has a final honing on a leather strop before leaving the factory. **N.B. By purchasing any knife, you are confirming that you are AGED 18 or over.**

	Inc.vat	Ex.vat	Code
S/S Craftman's Knife	£6.84	£5.70	502373



## Chestnut Tools Woodworker's Knife

Similar in style to a pruning knife (it could well be put to that use) but with a slightly thicker more robust blade. It has unique advantages for woodworking. The sturdy curved-tip blade is safer than a straight blade in paring jobs. It is also better and easier to use than a pencil for marking cut-lines. The blade is stainless steel with a hardness of HRC 54-56. You can strike the thick spine with a hammer for splitting wedges, cutting rope, etc. With its hardwood handle scales, it is comfortable to hold. A good working knife.

**N.B. By purchasing any knife, you are confirming that you are AGED 18 or over.**

	Inc.vat	Ex.vat	Code
Woodworker's Knife	£8.94	£7.45	502368



## Axminster Heavy Duty Retractable Utility Knife

A seriously well constructed utility knife with two easily adjustable blade lengths. It fits comfortably in the hand and features a soft grip insert that provides both comfort and helps maintain a secure grip. The quick change mechanism allows a swift change of blade with one touch of a button. Spare blades held within the handle, **supplied with 5 H/D blades.**

	Inc.vat	Ex.vat	Code
Utility Knife	£9.44	£7.87	210211



**Bulk discount available\***

## Stanley 99E Retractable Blade Utility Knife

**STANLEY**

A grey painted die-cast body specially shaped to fit the hand comfortably. The blade shifter controls the amount of knife edge exposed. The blade retracts completely into the body for safety and storage. Spare blades are stored in the handle. Supplied with five assorted blades.

	Inc.vat	Ex.vat	Code
99E Knife	£6.05	£5.04	900217



**Bulk discount available\***



## Bessey Utility Knife Set in Wallet

Folding locking utility knife in convenient nylon zippered storage case with ten standard blades, two scoring blades, two lineoleum cutting blades and five hook blades.

	Inc.vat	Ex.vat	Code
Utility Knife Set	£23.94	£19.95	702788



**STANLEY**

## Stanley QuickSlide Pocket Utility Knife

The compact and slim design of the QuickSlide sliding pocket utility knife promises performance, reliability and great usability. This latest Stanley utility knife features a convenient sliding blade holder allowing a quick and easy single-handed action. It accepts all standard utility and hook blades into its quick-change slider. The QuickSlide knife allows quick and easy blade changing without the use of tools. The knife has an all metal die-cast zinc construction and a one-piece belt clip for convenient carrying.

	Inc.vat	Ex.vat	Code
Utility Knife	£7.44	£6.20	701621



## Stanley 199 Fixed Blade Utility Knife

**Bulk discount available\***

Heavy duty die-cast body, finished in grey paint with textured grip and a steel locating pin for positive gripping of the blades. **Supplied with three blades.**

	Inc.vat	Ex.vat	Code
Utility Knife	£4.14	£3.45	900181



## Jewel Blade Pro-Fold Utility Knife

This folding utility knife uses standard heavy duty blades. The body is an ABS moulding, which is light in weight, tough and robust. The blade locks in both the closed and open positions, blade changing is a simple press button operation. Careful design gives you finger and thumb rests for a variety of secure grips. The handle has a moulded D-ring to attach a lanyard. As utility knives go this is as handy as they come, easy to carry and always useful to have around.

	Inc.vat	Ex.vat	Code
Pro-Fold Utility Knife	£3.65	£3.04	502380





## Window Scraper with Blade Storage



This is the best version of this very handy tool we have so far come across. It utilises a standard heavy duty utility knife blade. The one piece moulded plastic handle includes storage for spare blades and a detachable blade guard/insertion tool. **Comes with 6 blades.**

	Inc.vat	Ex.vat	Code
Scraper	£2.04	£1.70	701385
Blades H/D (Pkt 10)	£1.06	£0.88	286003

## Accessories



### Heavy Duty Blade

These super sharp Sheffield made blades are available in safely packed in either: a plastic dispenser holding ten blades or a box of one hundred (rust proof paper wrapped in fives) with a snap shut hinged lid.

	Inc.vat	Ex.vat	Code
Blades H/D (Pkt 10)	£1.06	£0.88	286003
H/D Blades (Pkt 100)	£12.44	£10.37	910331



### Irwin Bi-Metal Blue Blades

Unique bi-metal HSS steel edge blades that are unbreakable under normal working conditions and last up to three times longer than standard carbon ones. Spring steel backing allows flexibility and a reduced risk of shattering.

	Inc.vat	Ex.vat	Code
Bi-Metal blades (Pkt 10)	£3.74	£3.12	342412

### Pack of 10 Hooked Trimming Blades

Sharpened hook blade for cutting sheet material, e.g. floor covering, plastic sheeting. Supplied as a pack of ten in a handy safety dispenser. Made in Sheffield.

	Inc.vat	Ex.vat	Code
Trimming Blade (Pkt 10)	£1.64	£1.37	701382

### Pack of 10 Convex Blades

The convex shape reduces drag when cutting delicate or fragile material. Supplied in a handy safety dispenser pack containing ten blades. Made in Sheffield.

	Inc.vat	Ex.vat	Code
Convex Blades (Pkt 10)	£2.45	£2.04	701383

### Utility Knife Saw Blades

These saw blades transform a Stanley or any fixed blade utility knife, which uses this type of knife blade, into either a wood or metal saw. Use to work in restricted areas, cut curved shapes or as a pad saw.

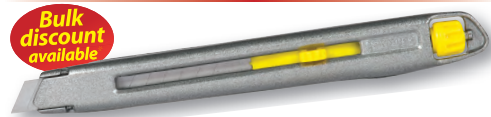
	Inc.vat	Ex.vat	Code
Wood Cutting Blade (ea)	£1.94	£1.62	900142
Metal Cutting Blade (ea)	£1.94	£1.62	900143



## Axminster Snap Off Blade Knife

This knife combines the strength of the 18mm wide snap-off blade with the convenience of a quick acting retraction mechanism. There are seven segments on the blade which should give it plenty of life and packs of ten replacement blades are hardly going to break the bank!

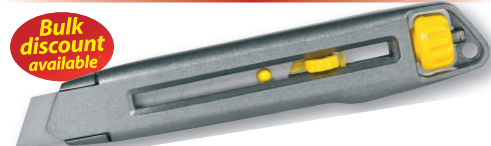
	Inc.vat	Ex.vat	Code
Snap Off Knife	£1.94	£1.62	300216
Replacement Blades (Pkt 10)	£2.15	£1.79	300225



## Stanley 9.5mm Retractable Snap Off Blade Knife

The die-cast metal body uses Stanley's unique Interlock wedge system to firmly grip a 9mm wide snap off blade. A simple finger screw controls the locking mechanism and the blade can be retracted into the body when not in use.

	Inc.vat	Ex.vat	Code
Snap Off Knife	£4.25	£3.54	900150
Replacement Blades (Pkt 5)	£1.15	£0.96	502957



## Stanley 18mm Retractable Snap-Off Blade Knife

Similar in design to the 10095 but using a heavier duty 18mm wide blade. Complete with a captive blade carrier for easy changing of the blade.

	Inc.vat	Ex.vat	Code
Snap off Knife	£6.54	£5.45	900149
Replacement Blades (Pkt 10)	£2.15	£1.79	300225



## 27 in 1 Multitool

A pair of very handy 27 function multi-tools supplied with either wooden or alloy handles. They are nicely made in stainless steel and boast an impressive collection of tools including knives, pliers, cutters, screwdrivers and a bottle opener. Compact, good looking and genuinely useful. **Supplied with a belt mounted leather pouch.**

	Inc.vat	Ex.vat	Code
Wood Handled	£11.95	£9.96	200200
Alloy Handled	£10.96	£9.13	200201

**NEW!**

## uvex Unipur 6659 Work Gloves

**Bulk discount available**



- Highest cut resistance level 5
- High abrasion level 4. Tear resistance level 4
- Excellent dexterity and durability
- Palm coated PU, polyurethane knitted nylon
- HPPE/Glass fibres give cut protection
- Suited to dry and light moisture use
- Seamless - Ideal for precision work
- EN388 - 4 5 4 2

	Inc.vat	Ex.vat	Code
Size 8 (M)	£9.24	£7.70	506131
Size 9 (L)	£9.24	£7.70	506132

**Bulk discount available**

uvex



## uvex pheos Safety Spectacles

- Scratch resistant and anti-mist, metal-free
- Sporty, stylish and modern with excellent fit and coverage
- Available in clear (also in small), sunglare and mirrored
- Standard width 146mm - Small width 138mm
- CE approved EN166 1F K N

	Inc.vat	Ex.vat	Code
Clear - Standard	£5.75	£4.79	952156
Clear - Small	£5.75	£4.79	501435
Sunglare - Standard	£5.75	£4.79	952155
Mirrored - Standard	£8.45	£7.04	501434
Sunglare and Clear (1 of each) - Standard	£10.96	£9.13	718797

# Multitools



## Bessey DMT Multi-Tool

Getting away from the usual pliers, the Bessey Multi-Tool offers a large pair of stainless steel snips with 55mm cutting length. Tucked away in the handles you can find a knife, a saw, a file, a Phillips screwdriver, and large and small slotted screwdrivers. The large snips will cut a variety of materials, such as leather, rope, vinyl, thin wire, string, thin plastic or paper. Closed it is only 100mm long (175mm open) and weighs in at 300g. Soft comfort inserts are easy on your hands. **It is supplied with a tough nylon belt pouch.** Made from high grade stainless steel, this multi-tool is corrosion resistant and will have a long working life. Most useful, we're sure you'll agree.

	Inc.vat	Ex.vat	Code
Multi-Tool	£24.95	£20.79	951053

# Scissors, Snips & Hand Wire Brushes



## Bessey Stainless Steel Multi-Purpose Scissors

Multi-purpose scissors with stainless steel blades (200mm or 250mm overall length) and soft grip handles suitable for cutting polythene sheet, plastic sheathing etc.

	Inc.vat	Ex.vat	Code
200mm	£14.24	£11.87	702786
250mm	£17.94	£14.95	702787



## Axminster Heavy Duty Cutters

A pair of heavy duty, stainless steel bladed spring loaded cutters suitable for cutting a wide range of materials including four core cable, leather, wire netting and many others. One blade has a saw tooth edge to prevent slippage and the handles are soft rubber.

	Inc.vat	Ex.vat	Code
Cutters	£8.94	£7.45	700224



## Bessey D15A Multi Purpose Snips

Compact and very strong multi-use metal cutting snips are suitable for long continuous, straight and curved cuts. The forged head has optimised blade geometry making it ideal for small tight cuts in confined spaces. Compound leverage offers minimal effort and high performance. Bar locks snips securely when not in use.

	Inc.vat	Ex.vat	Code
Metal Snips	£17.45	£14.54	506051



## Bessey D16 Aviation Snips

These metal cutting aviation snips have drop forged cutter heads which are tempered and the edges are double hardened for durability and burr-free cutting. The handles have a plastic coating and anti-slip protection. Both parts are joined in such a way to give additional leverage for less effort when cutting. Suitable for short, straight and narrow curved cuts; micro serrations prevent slippage. Bar locks snips securely when not in use.

	Inc.vat	Ex.vat	Code
Aviation Snips Right	£17.94	£14.95	506052

## Gilbow Irwin Jewellers Snips

The long handle/short blade ratio gives the user more control when cutting. Irwin Gilbow snips and shears have a great cutting capability which is much greater than the strength of the user and will provide a good, clean, easy cut edge to any workpiece. The original Gilbow G056 jewellers tinsnips were first designed many years ago, and have dominated the sheet metal cutting industry to such an extent that today, snips and shears are referred to as Gilbows. Size. 180mm (7")

### G056 Curved Jewellers Snip 180mm



	Inc.vat	Ex.vat	Code
Curved Jewellers Snip 180mm	£26.45	£22.04	134805

### G56 Straight Jewellers Snip 180mm



	Inc.vat	Ex.vat	Code
Straight Jewellers Snip 180mm	£18.44	£15.37	134811

### G245 Straight Tinsnip



	Inc.vat	Ex.vat	Code
Straight Tinsnip 250mm	£18.95	£15.79	134806
Straight Tinsnip 300mm	£20.94	£17.45	134807
Straight Tinsnip 350mm	£26.45	£22.04	134808
Straight Tinsnip 200mm	£15.44	£12.87	134809

### G245S Spring Handled Tinsnip 250mm



	Inc.vat	Ex.vat	Code
Spring Handled Tinsnip 250mm	£26.75	£22.29	134810

### G67 Left Hand Universal Tinsnip 280mm



	Inc.vat	Ex.vat	Code
Left Hand Tinsnip 280mm	£35.24	£29.37	134812

### G69 Right Hand Universal Tinsnip 280mm



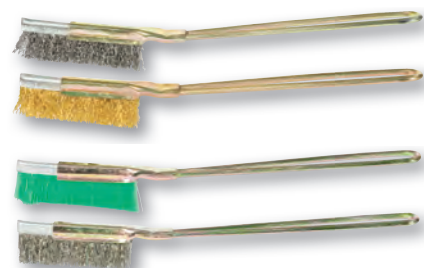
	Inc.vat	Ex.vat	Code
Right Hand Tinsnip 280mm	£35.94	£29.95	134813



## Spid Universal Wire Brushes

The answer to hand cleaning, rust removal, preparing metal prior to painting, etc. The more usual wooden bodied wire scratch brushes often deteriorate very quickly and the bristles soon rust or fall out. These brushes have their wire bristles permanently fixed into a steel back and are fitted with a contoured plastic handle. The curved, upswept end and narrow profile enables access into tight spots. Available with brass plated steel wire, stainless steel, pure brass or rigid pvc bristles. All wires are 0.3mm diameter. Although they are slightly more expensive. These brushes will outlast their wooden counterparts many times over and offer a much more economical solution.

	Inc.vat	Ex.vat	Code
Brass Plated Steel	£1.94	£1.62	210520
Stainless Steel	£4.25	£3.54	210521
Pure Brass	£4.94	£4.12	210522
Rigid PVC	£4.14	£3.45	210523



## SIT Slim Duo Wire Brushes

These slim wire brushes with their reduced profile are ideal for manually brushing small surfaces that are hard to reach with conventionally sized brushes. They reach the parts standard brushes find impossible. Slim brushes are practical, handy and useful for removing rust, paint and dirt from any kind of surface. Available in twin packs with a choice of either a stainless steel and a nylon brush or a steel and a brass brush. The heads are 65mm with 15mm long bristles, overall length 210mm.

	Inc.vat	Ex.vat	Code
Steel & Brass	£8.45	£7.04	950991
Stainless Steel & Nylon	£9.14	£7.62	950992



## Axminster Power Nibbler

This power nibbler fits into the chuck of a mains power drill and is capable of cutting sheet steel up to 2mm. For best results the drill speed should be in the range of 1500 to 3000 rpm. It works on the same punch and die system as a true powered nibbler, effectively removing tiny crescent-shaped pieces of waste in a continuous chain. Cleverly, this nibbler is double headed, with the handle screwing over the head which is not in use, so when one die becomes worn, the handle can be swapped over and the other head brought into use. A spare punch and die are included within the steel storage box.

	Inc.vat	Ex.vat	Code
Power Nibbler	£22.94	£19.12	900038
Replacement Punch	£5.54	£4.62	900039





## 6 Piece File Set

Six piece file set fitted with plastic handles, these are perfect for a host of odd jobs which crop up around the workshop. They are second cut with an overall length of 170mm.

	Inc.vat	Ex.vat	Code
Needle File Set 150mm (6 Pce)	£6.24	£5.20	100145
2nd Cut File Set 170mm (6 Pce)	£9.14	£7.62	100146



## 5 Piece File Set

Every well equipped workshop should have a variety of files available for those odd metal trimming jobs which are forever cropping up. This economically priced set should satisfy the needs of most casual users of files, the more specialist requirements being met by our extensive range of genuine Swiss files. Overall lengths are 290mm and the set is made up with flat, round, half round, three square and square types. If you want to buy a present for a budding engineer, look no further.

	Inc.vat	Ex.vat	Code
File Set (5 Pce)	£13.44	£11.20	340001

## File Handles

Standard hardwood file handles, smoothly finished and with a steel ferrule. The specially made blue moulded plastic handles are fitted with a hardened, threaded steel insert. This insert cuts its own thread on the file's tang and can be simply unscrewed and re-screwed onto other files time and time again. As file tangs sizes can vary slightly the file sizes given are for guidance. These handles are much safer and the fact that a couple of handles will fit a number of files makes them very economical. The Needle file handle has a plastic body fitted with a knurled hand-tightened chuck that retains the file in the handle; files can be changed easily.

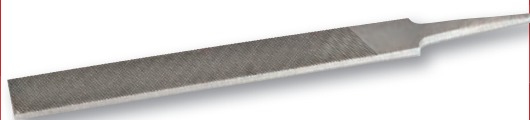
	Inc.vat	Ex.vat	Code
Hardwood 75mm	£0.65	£0.54	410181
Hardwood 100mm	£0.70	£0.58	410182
Hardwood 125mm	£0.84	£0.70	410183
Hardwood 150mm	£0.95	£0.79	410184
Plastic Handle for Needle File	£3.44	£2.87	300189
Plastic Handle 100mm	£7.94	£6.62	340010
Plastic Handle 150mm	£7.94	£6.62	340011
Plastic Handle 200/250mm	£8.04	£6.70	340012
Plastic Handle 250/300mm	£8.24	£6.87	340013



## Vallorbe Swiss Flat Files

For general work. Slightly tapered in width and thickness. Double cut on both sides, single cut on both edges.

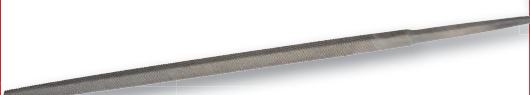
	Inc.vat	Ex.vat	Code
150mm(6") Bastard Cut	£4.14	£3.45	600241
200mm(8") Bastard Cut	£5.34	£4.45	600244
250mm(10") Bastard Cut	£6.95	£5.79	600238
150mm(6") Second Cut File	£4.44	£3.70	600242
200mm(8") Second Cut	£5.94	£4.95	600245
250mm(10") Second Cut	£7.25	£6.04	600239
150mm(6") Smooth Cut	£5.15	£4.29	600243
200mm(8") Smooth Cut	£6.44	£5.37	600246
250mm(10") Smooth Cut	£8.45	£7.04	600240



## Vallorbe Swiss Hand Files

Parallel in width but slightly tapered in thickness. Double cut on both sides, but only on one edge so it can be used in corners and other areas where a 'safe' or uncut edge is required.

	Inc.vat	Ex.vat	Code
100mm(4") Bastard Cut	£3.95	£3.29	600229
150mm(6") Bastard Cut	£4.14	£3.45	600232
200mm(8") Bastard Cut	£5.45	£4.54	600235
250mm(10") Bastard Cut	£7.04	£5.87	600226
100mm(4") Second Cut	£4.14	£3.45	600230
150mm(6") Second Cut	£4.25	£3.54	600233
200mm(8") Second Cut	£5.94	£4.95	600236
250mm(10") Second Cut	£7.44	£6.20	600227
100mm(4") Smooth Cut	£4.85	£4.04	600231
150mm(6") Smooth Cut	£4.94	£4.12	600234
200mm(8") Smooth Cut	£6.44	£5.37	600237
250mm(10") Smooth Cut	£8.24	£6.87	600228



## Vallorbe Swiss Square Files

For filing slots, keyways and general surface work. Slightly tapering towards the point. Double cut on all four sides.

	Inc.vat	Ex.vat	Code
150mm(6") Bastard Cut	£4.64	£3.87	600273
200mm(8") Bastard Cut	£5.75	£4.79	600276
150mm(6") Second Cut	£4.85	£4.04	600274
200mm(8") Second Cut	£5.94	£4.95	600277
250mm(10") Second Cut	£7.94	£6.62	600270
150mm(6") Smooth Cut	£5.34	£4.45	600275
250mm(10") Smooth Cut	£8.34	£6.95	600271



## Vallorbe Swiss Round Files

For work on openings and concave surfaces. Circular in cross section with a slight taper towards the point.

	Inc.vat	Ex.vat	Code
150mm(6") Bastard Cut	£4.04	£3.37	600283
200mm(8") Bastard Cut	£4.74	£3.95	600286
250mm(10") Bastard Cut	£6.44	£5.37	600279
150mm(6") Second Cut	£4.34	£3.62	600284
200mm(8") Second Cut	£5.04	£4.20	600287
250mm(10") Second Cut	£6.95	£5.79	600280
150mm(6") Smooth Cut	£4.85	£4.04	600285
200mm(8") Smooth Cut	£5.94	£4.95	600288
250mm(10") Smooth Cut	£7.04	£5.87	600281



## Vallorbe Swiss Half Round Files

In cross section, rounded on one side and flat on the other. This allows the file to be used on either convex or concave surfaces. Half round files taper in both width and thickness towards the point.

	Inc.vat	Ex.vat	Code
100mm(4") Bastard Cut	£5.94	£4.95	600251
150mm(6") Bastard Cut	£6.44	£5.37	600254
200mm(8") Bastard Cut	£8.24	£6.87	600257
250mm(10") Bastard Cut	£10.94	£9.12	600248
100mm(4") Second Cut	£6.14	£5.12	600252
150mm(6") Second Cut	£6.65	£5.54	600255
200mm(8") Second Cut	£8.75	£7.29	600258
250mm(10") Second Cut	£12.24	£10.20	600259
100mm(4") Smooth Cut	£6.84	£5.70	600253
150mm(6") Smooth Cut	£7.44	£6.20	600256
200mm(8") Smooth Cut	£9.65	£8.04	600259
250mm(10") Smooth Cut	£12.95	£10.79	600250



## Vallorbe Swiss "Farmer's Own" File

A tool for sharpening all types of domestic, gardening and agricultural tools. One side bastard cut, the other single cut with its own handle formed as part of the forging. Just the tool to hang in the garden shed.

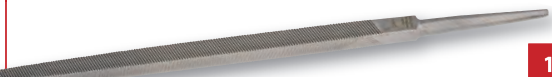
	Inc.vat	Ex.vat	Code
250mm (10")	£10.44	£8.70	600247



## Vallorbe Swiss Mill Saw Files

Parallel in width and thickness with single cut on sides. Available with either one or two round edges for sharpening circular rip saws which require filing on both front and back of the teeth and for filing the gullets between the saw teeth. The edges are single cut.

	Inc.vat	Ex.vat	Code
One Round Edge 200mm (8")	£5.94	£4.95	600299
Two Round Edges 250mm (10")	£8.94	£7.45	600300



## Vallorbe Swiss Three Square Files

One of life's great mysteries is why a file that is triangular in cross section should be called three square. For filing internal acute angles and cleaning out square corners. Double cut on all sides and sharp edges.

	Inc.vat	Ex.vat	Code
150mm(6") Bastard Cut	£5.04	£4.20	600263
200mm(8") Bastard Cut	£6.74	£5.62	600266
150mm(6") Second Cut	£5.45	£4.54	600264
200mm(8") Second Cut	£7.25	£6.04	600267
150mm(6") Smooth Cut	£5.94	£4.95	600265
200mm(8") Smooth Cut	£7.34	£6.12	600268

## File Cleaning Card

All files should be cleaned regularly with a file cleaning card to prevent clogging and to improve performance. The card has a fine gauge wire face fixed onto a strong backing and attached to a wood block making it easy to hold and use.

	Inc.vat	Ex.vat	Code
Cleaning Card	£3.35	£2.79	400458



## Engineer's Files

### 5 Piece File Set

Every well equipped workshop should have a variety of files available for those odd metal trimming jobs which are forever cropping up. This economically priced set should satisfy the needs of most casual users of files, the more specialist requirements being met by our extensive range of genuine Swiss files. Overall lengths are 290mm and the set is made up with flat, round, half round, three square and square types. If you want to buy a present for a budding engineer, look no further.

	Inc.vat	Ex.vat	Code
File Set (5 Pce)	£13.44	£11.20	340001



### Easy Grip File Handle

A solid moulded plastic handle with a soft, textured grip for extra safety. The handle is supplied with six tapered adaptors. It is suitable for most files or rasps from 100mm(4") to 350mm(14") by simply choosing the correct adaptor.

	Inc.vat	Ex.vat	Code
File Handle	£4.44	£3.70	600544



### File Cleaning Card

All files should be cleaned regularly with a file cleaning card to prevent clogging and to improve performance. The card has a fine gauge wire face fixed onto a strong backing and attached to a wood block making it easy to hold and use.

	Inc.vat	Ex.vat	Code
Cleaning Card	£3.35	£2.79	400458



### Axminster Drill Saw Rasp Set

Sometimes there is a need for a non-round hole to slightly enlarge a hole, or cut a short slot. This is where the Drill Saw Rasp comes into its own. The initial portion looks like a normal twist drill, this is followed by a spiral rasp, allowing the Drill Saw to first drill a hole then be moved sideways in whatever direction is required. Tin coated for extra long life. This small handy box set covers: 3, 4, 5, 6, 6.5 and 8mm. Use in wood, plastics, aluminium etc.

	Inc.vat	Ex.vat	Code
Drill Saw Rasp Set (6 Pce)	£11.45	£9.54	310014

## Miniature & Needle Files

### Axminster Diamond File Sets

Sets of diamond files, suitable for working on a range of materials including stainless and high speed steels. The diamond particles are securely bonded onto a steel body and each file has a comfortable plastic handle. Each set contains a variety of shapes - flat, round, square, half round, three square, etc. 100174 and 100175 have 10 at 180mm long and 140mm long respectively.

	Inc.vat	Ex.vat	Code
180mm (Pkt 10)	£9.24	£7.70	100174
140mm (Pkt 10)	£5.94	£4.95	100175



### Nicholson Red Wallet Needle Mini Files

Packed in a wallet containing one each 14 cm needle file : equalling, half round, flat, round, square and three square. Cut: fine. Size: 5in. Set of 6.

	Inc.vat	Ex.vat	Code
Needle Mini Files Set 6	£27.95	£23.29	135299



### Vallorbe Miniature File Set

A set of six 100mm(4") files all fitted with wooden handles, supplied in a plastic wallet. Second cut in flat, warding, half round, square, slim taper and three square.

	Inc.vat	Ex.vat	Code
File Set (6 Pce)	£30.95	£25.79	610299



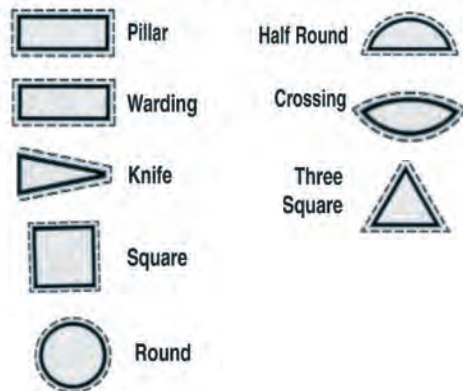
### 6 Piece Needle File Set

Six piece file set fitted with plastic handles, this is perfect for a host of small odd jobs which crop up around the workshop. These are second cut needle files with an overall length of 150mm.

	Inc.vat	Ex.vat	Code
Needle File Set 150mm (6 Pce)	£6.24	£5.20	100145
2nd Cut File Set 170mm (6 Pce)	£9.14	£7.62	100146



#### Cross Sections



### Vallorbe Midget Needle Files

Needle files are also known as Swiss Pattern or Jeweller's files. These small files are very accurately made and designed for precision work or delicate small work. Overall length is approximately 155mm. Also available is the 300189 universal needle file handle for all needle files. Six piece set comprises pillar, half round, warding, 3 square, square and round.

	Inc.vat	Ex.vat	Code
Pillar	£5.64	£4.70	600101
Half Round	£6.95	£5.79	600102
Crossing	£7.25	£6.04	600103
Knife	£8.15	£6.79	600104
Warding	£6.24	£5.20	600105
3 Square File	£6.24	£5.20	600106
Square	£6.24	£5.20	600107
Round	£5.75	£4.79	600108
6 Piece Set	£35.94	£29.95	600109
Plastic Handle for Needle File	£3.44	£2.87	300189



### BlueSpot Tools 250mm Locking Pliers

10in self-locking pliers. Powerful self-locking jaws. Adjustable jaw opening. Quick release. 1045 carbon steel. Nickel plated.

	Inc.vat	Ex.vat	Code
Locking Pliers 250mm	£4.94	£4.12	117683



### Snipe Nose Locking Pliers

These 150mm(6") long locking pliers with their almost needle-nose style jaws give access into tight spots, or allow gripping and manipulation of small parts, which would otherwise be 'lost' in a standard jaw grip. A wire cutter is incorporated at the rear of the jaw and the soft rubber coated handles provide comfort in use.

	Inc.vat	Ex.vat	Code
Pliers	£6.74	£5.62	600656



## Faithfull Circlip Plier Set

A combination internal and external five piece circlip plier set based on a circlip plier and four interchangeable heads with an effective range from 10 mm up to 50 mm. The set comprises a 90°, 45°, 1.2 mm dia straight and 1.5 mm straight tip. The jaws can be easily arranged to accommodate either external or internal circlips in various combinations, thereby effectively providing eight different pairs of circlip pliers within this handy kit.

	Inc.vat	Ex.vat	Code
Circlip Plier Set	£7.25	£6.04	118872



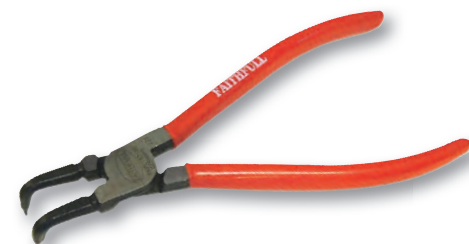
**Faithfull External Bent Circlip Plier - 180mm (7in)**

	Inc.vat	Ex.vat	Code
External Bent Circlip Plier	£12.74	£10.62	118843



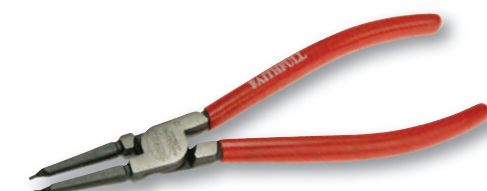
**Faithfull External Straight Circlip Plier 7in**

	Inc.vat	Ex.vat	Code
External Straight Circlip Plier	£11.94	£9.95	118844



**Faithfull Internal Bent Circlip Plier - 180mm (7in)**

	Inc.vat	Ex.vat	Code
Internal Bent Circlip Plier	£12.24	£10.20	118845



**Faithfull Internal Straight Circlip Plier - 180mm (7in)**

	Inc.vat	Ex.vat	Code
Internal Straight Circlip Plier	£11.75	£9.79	118846



## 6 Piece Tweezer Set

Set contains one industrial tweezer with strong sharp point, length - 115mm (4.1/2"), one industrial tweezer with blunt serrated point, length - 150mm (6"), one industrial tweezer with blunt (slide lock) point, length 162mm (6.1/2"), one utility tweezer with blunt serrated (self closing) point, length 162mm (6.1/2"), one utility tweezer with curved point, length - 162mm (6.1/2") and one utility tweezer with long straight point, length 162mm (6.1/2").

	Inc.vat	Ex.vat	Code
Set (6 Pce)	£9.95	£8.29	700128



## Axminster 8 in 1 Circlip Pliers

When it comes to ingenuity this little tool takes some beating. It consists of one pair of pliers and two sets of jaws, one giving straight and 90° angled pins, the other for straight and 45° angled pins. The jaws click firmly into position on the pliers and can be re-positioned to give either internal or external opening. Pin diameter is approximately 1.5mm and the pin spacing is 2.5-18mm.

	Inc.vat	Ex.vat	Code
Pliers	£6.65	£5.54	900124

## Pliers & Cutters



## Bahco Power Cutter

A heavy duty Swedish made 8" wire cutter with a cutting capacity up to 4mm. Suitable even for piano wire up to 3.8mm.

	Inc.vat	Ex.vat	Code
200mm	£42.95	£35.79	466516

## MTC Precision Pliers

MTC pliers from Japan use the highest quality Hitachi steels. Each plier receives careful hardening and an individual inspection by master toolmakers. These pliers and side-cutters represent real value for money, and the quality and precision of these tools is well known. MTC established their own quality standards along with the Japanese Industrial Standard (JIS). Many major manufacturers use MTC pliers and side-cutters exclusively in their factories. At around 125mm, these pliers are ideal for intricate and fine work. Looked after appropriately, these pliers will last for many years.



	Inc.vat	Ex.vat	Code
Combination Pliers	£10.34	£8.62	502258
Nippers	£11.45	£9.54	502259
Bent Nose Pliers	£11.94	£9.95	502260
Mini Nippers	£7.64	£6.37	502261
Flat Nose Pliers	£9.95	£8.29	502262
End Cutting Nippers	£10.94	£9.12	502263
Long Nose Pliers	£10.94	£9.12	502264

## Stanley Dynagrip Pliers

Heat treated carbon steel forged pliers, with ground heat treated cutting edges that will give longer life, durability and accuracy when cutting. The bi-material handles and polished heads produce a better grip for comfort and a precision appearance.

### Stanley Dynagrip Bent Snipe Nose Pliers

	Inc.vat	Ex.vat	Code
Bent Snipe Nose 150mm	£10.44	£8.70	136099
Bent Snipe Nose 200mm	£11.45	£9.54	136100

### Stanley Dynagrip Combination Plier

	Inc.vat	Ex.vat	Code
Combination 150mm	£8.24	£6.87	136119
Combination 180mm	£9.44	£7.87	136097
Combination 200mm	£10.44	£8.70	136098

### Stanley Dynagrip Diagonal Cutting Pliers

	Inc.vat	Ex.vat	Code
Diagonal Cutting 180mm	£11.45	£9.54	136117
Diagonal Cutting 150mm	£10.44	£8.70	136096

### Stanley Dynagrip End Cutting Plier

	Inc.vat	Ex.vat	Code
End Cutting 150mm	£11.45	£9.54	136106

### Stanley Dynagrip Long Nose Half Round Plier

	Inc.vat	Ex.vat	Code
Long Nose Half Round 200mm	£10.44	£8.70	136121
Long Nose Half Round 165mm	£9.44	£7.87	136095

### Stanley Dynagrip Waterpump Plier

	Inc.vat	Ex.vat	Code
Waterpump 240mm	£13.45	£11.21	136104

### Stanley Dynagrip Wire Stripping Plier

	Inc.vat	Ex.vat	Code
Wire Stripping 150mm	£12.44	£10.37	136102



Wiha. Premium Tools for Professionals.

## Wiha VDE Combination Pliers

A well machined head offers two serrated gripping options and wire cutting. The pivot point of the hinge has been designed to give increased leverage, and hence a more powerful grip. This DynamicJoint ensures the maximum transmission of your hand strength to the cutting edges. Made from high quality tool steel, the head is carefully tempered and the cutting edges additionally induction hardened to approx HRC 62. Individually tested protective insulation 1,000V AC, VDE and GS tested. DIN ISO 5743, manufactured according to IEC 60900:2004, length 180mm(7").

	Inc.vat	Ex.vat	Code
VDE Combination Pliers	£17.24	£14.37	952997



Wiha. Premium Tools for Professionals.

## Wiha VDE Long Nose Pliers

A compact plier, the extended nose allows for easier gripping, manipulating and placing. The cutting edge is suitable for flat and round cables whilst the gripping surfaces are partially serrated. The cutting edges are additionally induction hardened to approx. HRC 62. These are very useful VDE pliers for handling small parts and placing wires. Individually tested protective insulation 1,000V AC, VDE and GS tested. DIN ISO 5743, manufactured according to IEC 60900:2004 Length 160mm(6.1/4").

	Inc.vat	Ex.vat	Code
VDE Long Nose Pliers	£17.75	£14.79	952994



Wiha. Premium Tools for Professionals.

## Wiha VDE Diagonal Cutting Pliers

These diagonal cutters are made to exacting standards. Wiha's DynamicJoint ensures up to 40% less force is required for cutting. Easy to use, the cutting edges are additionally induction hardening to approx HRC 62. This is an excellent example of a cutting plier, with strong finely ground jaws. Use for cutting both hard up to 2mm and soft wires up to 4mm. Individually tested protective insulation 1,000V AC, VDE and GS tested. DIN ISO 5743, manufactured according to IEC 60900:2004. Length 160mm(6.1/4")

	Inc.vat	Ex.vat	Code
VDE Diagonal Cutting Pliers	£19.94	£16.62	952995



Wiha. Premium Tools for Professionals.

## Wiha VDE Wire Stripping Pliers

High quality tool steel, tempered, with the cutting edges precision ground for even cutting of cable insulation. An easy-to-use adjusting screw allows you to pre-set the stripping diameter for different gauges of wire. The pliers are spring opening, making them even easier to use offering effortless and sensitive handling. This is one of the best examples of this type of tool we have so far come across for the simple stripping of cables and strands of up to a diameter of 5mm or 10mm<sup>2</sup> cross section. Individually tested protective insulation 1,000V AC, VDE and GS tested. DIN ISO 5743, manufactured according to IEC 60900:2004, length 160mm(6.1/4").

	Inc.vat	Ex.vat	Code
VDE Wire Stripping Pliers	£20.45	£17.04	952996



Wiha. Premium Tools for Professionals.

## Wiha VDE Cable Cutters

A classic scissor action cable cutter, capable of dealing with cables up to 20mm diameter or 60mm<sup>2</sup> cross section. The precision ground cutting edges are induction hardened to HRC 62 for long life. These will cut copper or aluminium cables without crushing. Individually to 1,000V AC, VDE and GS tested. DIN ISO 5743, manufactured according to IEC 60900:2004, length 200mm(8").

	Inc.vat	Ex.vat	Code
VDE Cable Cutters	£28.94	£24.12	504037



Wiha. Premium Tools for Professionals.

## Wiha VDE Heavy Duty Diagonal Cutters

The low wear riveted lap joint design is able to withstand high levels of load. This gives a lightweight action feel, whilst clean cutting is achieved by specially milled precision cutting edges. Additional inductive hardening to 64 HRC enables the cutting of piano wire. Individually tested protective insulation 1,000V AC, VDE and GS tested. DIN ISO 5743, manufactured according to IEC 60900:2004, length 180mm(7").

	Inc.vat	Ex.vat	Code
VDE Heavy Duty Diagonal Cutters	£25.94	£21.62	504038



Wiha. Premium Tools for Professionals.

## Wiha VDE High Leverage Combination Pliers

OptiGrip is the newly designed gripping surface with 'triple-point support'. This design ensures the optimum grip on your workpiece. The Wiha DynamicJoint results in 40% less effort being required for cutting tasks compared with standard combination pliers. Extra long edges make easy work of flat or round cables. Additional inductive hardening to 64 HRC enables the cutting of piano wire. Individually tested protective insulation, length 200mm(8").

	Inc.vat	Ex.vat	Code
VDE High Leverage Combination Pliers	£21.44	£17.87	504039



Wiha. Premium Tools for Professionals.

## Wiha VDE Diagonal Cutters with Wire Strippers

The rear cutting area, near to joint, is suitable for medium-hard and hard wire. The forward cutting area for cutting soft wire, features precision stripping options for 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup> conductors. The edges undergo additional induction hardening to approximately. 62 HRC. Individually tested protective insulation 1,000V AC, VDE and GS tested. DIN ISO 5743, manufactured according to IEC 60900:2004, length 160mm(6.5").

	Inc.vat	Ex.vat	Code
VDE Diagonal Cutters with Wire Strippers	£27.95	£23.29	504036



Wiha. Premium Tools for Professionals.

## Wiha VDE Inomic Combination Pliers

The gentle angle between the head and the handles means the tool is automatically put in a natural position for fatigue-free work, easy on muscles, tendons and joints. The angled head also improves visibility of the work. Impact-resistant, fibreglass reinforced plastic handles result in a low weight. An innovative head shape means the jaws are parallel when open at 2°, 10° and 20°. A chequered pattern, gripping surface gives a secure firm hold. The cutting edges undergo additional induction hardening to 60HRC with capacities of 3.3mm medium hard and 2.2 mm hard wire. Made in Germany.

	Inc.vat	Ex.vat	Code
VDE Inomic Combination Pliers	£29.45	£24.54	952822



Wiha. Premium Tools for Professionals.

## Wiha VDE Inomic Needle Nose Pliers

The handles move in parallel, all your fingers grip at the same time resulting in a 25% increase in the transferred force. Spring-loaded they offer greater control and sensitivity. A soft-grip zone relieves pressure around the ball of your thumb. All the cutting edges are additionally induction hardened. Featuring wire stripping side cutters with three options: 0.75, 1.5 & 2.5mm<sup>2</sup>. Wire cutting capacities are 2.5mm for medium and 1.6mm hard wire. The long needle nose jaw has serrations for a better grip. 60mm long, the tapering jaw for offers the best possible access. Made in Germany.

	Inc.vat	Ex.vat	Code
VDE Inomic Needle Nose Pliers	£29.94	£24.95	952823

## What does VDE mean?

Uncompromisingly safe, tools manufactured and inspected in accordance with IEC 60900:2004, tested at 10,000V. VDE means the tool has approval for electrical work up to 1,000V AC or 1,500V DC. The additional GS mark shows the tool has undergone rigorous safety inspections.

### What are the benefits of Inomic tools?

The gentle angle between the head and the handles means the tool is automatically put in a natural position for fatigue-free work, easy on muscles, tendons and joints. Feels like an extension of your hand: grasping is simple, firm and safe. The angled head also improves visibility of the work.

The handles move in parallel, all your fingers grip at the same time resulting in a 25% increase in the transferred force. Spring-loaded they offer greater control and sensitivity. A soft-grip zone relieves pressure around the ball of your thumb. Impact-resistant, fibreglass reinforced plastic handles result in a low weight.

The heads are high quality tool steel with a zinc-nickel coating against corrosion. All the cutting edges are additionally induction hardened.

### What does this tool do?

An innovative head shape means the jaws are parallel when open at 2°, 10° & 20°. A chequered pattern, gripping surface gives a secure firm hold. The cutting edges undergo additional induction hardening to 60HRC with capacities of 3.3mm medium hard and 2.2 mm hard wire. Made in Germany.





## Wiha VDE Inomic Diagonal Cutters

All the cutting edges are additionally induction hardened. The cutters feature two different cutting edges, one with a bevel for hard wires and one with flush cut for soft wires or plastic (cable ties for example). The angled front edge improves access. Capacities are soft wire up to 3.5mm, medium hard wire 2.8mm, hard wires up to 1.6mm. Made in Germany.

	Inc.vat	Ex.vat	Code
VDE Inomic Diagonal Cutters	£29.45	£24.54	952824



## Wiha 6 in 1 VDE Electrician's Screwdriver

This is the worlds first VDE 6 in 1 screwdriver. It is fully tested and conform to very strict DIN standards and European and International IEC and VDE standards for use on all types of common electrical work. Fully tested up to 10,000 Volts DC and guaranteed to 1,000 Volts AC. This is a industrial/professional tool, but even if you're only changing a 13 amp fuse it's good practice to use a VDE screwdriver and with this screwdriver you should have every size head you need. Contains 3 x slot heads, 1 x PH1, 1 x PH2 and 1 x SL/PZ 2.

	Inc.vat	Ex.vat	Code
VDE Screwdriver	£39.95	£33.29	507001



## Wiha Super 7 VDE Tool Set

These are professional quality tools made in Germany. When working on or near electrically live components, this VDE set will give the highest level of electrical safety. The multi-component thick wall handles have soft zone insulation that has been tested to 10,000V to meet strict VDE requirements and is guaranteed up to 1,000V AC. This set contains diagonal cutters with precise cutting edges, induction hardened for strength. The six VDE screwdrivers (Ph2, Pz2, SL/Pz2 plus three slotted) have insulation moulded directly to the blade to ensure maximum protection. Supplied in a strong zippered case.

	Inc.vat	Ex.vat	Code
Electrician's Tool Set (7 Pce)	£52.94	£44.12	507000



## Wiha Top 12 VDE Tool Kit

These are professional quality tools made in Germany and a mixture of VDE tools and standard tools. When working on or near electrically live components, this VDE set will give the highest level of electrical safety. The multi-component thick wall handles have soft zone insulation that has been tested to 10,000V to meet strict VDE requirements and is guaranteed up to 1,000V AC. This set contains diagonal cutters with precise cutting edges, induction hardened for strength. Combination pliers, Cable cutters, VDE screwdrivers (Ph2, Pz2, SL/Pz2 plus three slotted) have insulation moulded directly to the blade to ensure maximum protection. The Top 12 also includes a pair of self adjusting water pump pliers, set of ErgoStar hex keys and a hex screwdriver bit set. Supplied in a strong zippered case.

	Inc.vat	Ex.vat	Code
VDE Tool Kit - 12pce	£139.94	£116.62	505000



## Wiha Automatic Wire Stripper

A tool from Wiha made especially to meet the requirements of both electricians and domestic users alike. This tool handles a wide range of wire sizes, stripping from 0.2mm<sup>2</sup> to 6.0mm<sup>2</sup> (24 to 10 AWG) solid or stranded copper and cutting up to 2.0 mm<sup>2</sup> solid copper. It features a depth of cut adjuster, length stop with a scale from 5 to 12mm. This is an excellent tool, lightweight but very tough, anyone with an amount of domestic wiring or rewiring this tool will save hours of fiddling around with a penknife and pliers.

	Inc.vat	Ex.vat	Code
Automatic Wire Stripper	£23.45	£19.54	952991



## Bahco Wire Cutters

In our opinion, wire cutters don't come any better than these. Everything about this tool is spot on correct, from the broad cushioned grips, the easy change option of having them spring loaded or not, to the finest graduated grinding of the cutting edges. The specifications state these will cut from 0.5mm<sup>2</sup> copper to 2.25mm piano wire, in fact the tips are ground fine enough to cut the hair on the back of the hand. Made in Sweden, the Bahco wire cutters are for those who wish to buy only once; you'll never need another.

	Inc.vat	Ex.vat	Code
Cutters	£31.94	£26.62	316548



## Wiha Voltage Tester Screwdriver

The Wiha voltage tester will test for the presence or absence of electrical voltage in the range 110V to 250V. A neon indicator lamp inside the handle lights up on detecting the live part of an electrical circuit. The clever design of the clear handle magnifies the lamp making it easier to use and includes a pocket clip. This tool is suitable for use on circuits where the voltage does not exceed 250V. Fully insulated, it conforms to VDE, GS and CE standards.

	Inc.vat	Ex.vat	Code
Voltage Tester Screwdriver	£6.95	£5.79	952808



## Special Electrician's Flooring Chisel

Made in the Ansell forge in Sheffield, the Special Electrician's Flooring Chisel is two tools in one, the thin sharp blade acts as a normal chisel used for cutting the floorboard tongue. The other function is as a neat floorboard lifter, where the 'kink' in the blade becomes a built-in fulcrum giving greatly improved leverage and minimising damage to the adjoining floorboards. A round of applause for the designer please.

	Inc.vat	Ex.vat	Code
Chisel	£12.95	£10.79	601459



## Super-Rod Standard Set

The standard set is particularly appropriate for domestic installations. Super Rod will lead the way through the labyrinths behind the decor to take the stress out of feeding cables and wires under the floor and through holes in the wall - just think of the time you'll save. The Standard Set includes five one metre long rods (4 x 5mm and 1 x 4mm diameter) along with a 175mm Flexi-lead, provide three degrees of flexibility, it also includes 1 x Mini Eye and Ring, 1 x Gender Changer and 1 x Tuff Hook. Beware! All your neighbours will want to borrow it.

	Inc.vat	Ex.vat	Code
Standard Set	£47.95	£39.96	701719



## Super-Rod Double Magnet

Strong enough to lift a 2.5kg lump hammer, this powerful magnet enables retrieval of 'dropped tools' and can be used to 'fetch' all kinds of things attracted to magnets.

	Inc.vat	Ex.vat	Code
Double Magnet	£10.96	£9.13	701723



## Brennenstuhl MD Damp Detector

This unit determines the moisture content of wood or building materials, such as concrete, brick, screed, plasterboard, wallpaper, etc. The measurement range for wood is between 5 to 50% and 1.5 to 33% for building materials. It has a large easily read LCD display (in percent with a resolution 0.1 %) as well as an audible signal (this can be deactivated). A practical hold function makes measurement possible at locations with difficult access. The sensitivity is automatically controlled for best performance. To save battery power the unit has an automatic switch-off function. Powered by a 9V battery (not supplied). All in all this is a robust, handy and excellent value detector.

	Inc.vat	Ex.vat	Code
Damp Detector	£17.94	£14.95	950995
PP3 Battery (each)	£2.45	£2.04	340468



## Brennenstuhl WMV Plus Multi-Function Detector

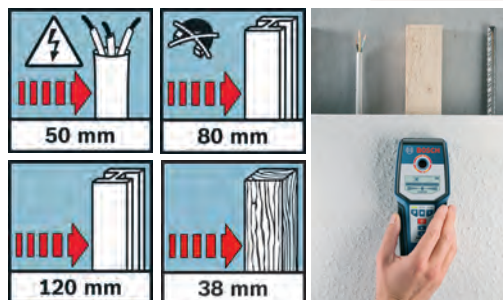
This device will locate metal pipes, voltage carrying cables (AC voltage) and wooden studs in walls. It gives you three very useful functions in one appliance, with individual switching between each one. It features a large LCD (numerical and bar chart) as well as an audible signal. The sensitivity is automatically controlled for best performance. To save battery power the unit has an automatic switch-off function. Powered by a 9V battery (not supplied). This is a very user friendly easily operated and accurate detector.

	Inc.vat	Ex.vat	Code
Multi-Function Detector	£18.44	£15.37	950994
PP3 Battery (each)	£2.45	£2.04	340468

**BOSCH**



## Bosch GMS 120 Wire Pipe and Stud Detector



Put an end to expensive drilling damage, such as drilling into metal water pipes or drill bits twisted on reinforcing steel, it could even save your life as it will detect live cables. Clear audio and visual detection, just swipe the detector over the area several times so that it scans and then narrows the area down until you find the exact danger area. The LED lights yellow with low audio signal when close and red with louder audio signal when above, there is a hole in the centre so you can mark the danger area exactly. Defining wood, metal and cable with a green light above the symbol of each. Audio signal can be turned off and the display can be lit for dark areas. Detecting metals (magnetic and non-magnetic), electric cables and wooden substructures and indicates live cables. Detectable materials: steel, non-ferrous metals, wooden substructures, (non) live cables. Detection depth: ferrous metals 120mm, non ferrous 80mm, live conductors 240V/110V 50mm and wood 38mm. Automatic switch off after approximately 5 minutes. **Supplied with protective case, batteries and operating instructions.** Bosch 2 year warranty.

	Inc.vat	Ex.vat	Code
GMS 120 Detector	£94.94	£79.12	952294



## Zircon e50 Stud Sensor

The StudSensor™ e50 will find the edges of wood, joists or metal studs up to 38mm deep quickly and easily. Its easy-to-read LCD display screen indicates the approach to the stud edge. The patented SpotLite® Pointer shines a beam of light on the wall identifying the edge. WireWarning® detection indicates the presence of live AC voltage up to a depth of 50mm. Zircon tools provide an ideal blend of technology, accuracy and value. Requires one MN1604/6LR6 9V battery.

	Inc.vat	Ex.vat	Code
e50 Stud Sensor	£29.45	£24.54	952973
PP3 Battery (each)	£2.45	£2.04	340468

## Zircon MultiScanner Pro SL

MultiScanner Pro SL quickly and easily locates studs, metal up to a depth of 38mm and live electrical wiring behind walls, floors and ceilings to 50mm. The metal mode locates non-ferrous material such as copper pipe up to 38mm deep and ferrous such as rebar up to 75mm. The 4-mode switch makes it easy to change functions, while the easy-to-read display screen, SpotLite® Pointing System and audio tone all indicate the location of the target. Requires one MN1604/6LR6 9V battery.



	Inc.vat	Ex.vat	Code
MultiScanner Pro SL	£45.95	£38.29	952974
PP3 Battery (each)	£2.45	£2.04	340468



## Axminster MD2G Moisture Meter

This simple to use moisture meter has two hardened steel pins which are pushed into the wood (or inserted into small pre-drilled holes in the case of very hard woods) to obtain a reading of moisture content on the row of LEDs. The pins are protected by a cover when not in use. The size of the meter is 140 x 60 x 25mm, 9V battery not included.

	Inc.vat	Ex.vat	Code
MD2G Indicator	£29.94	£24.95	600421
PP3 Battery (each)	£2.45	£2.04	340468

## Protimeter Mini Moisture Meter

A colour coded scale enables you to assess the moisture of wood and masonry at a glance. The numerical values represent the actual percent moisture content of wood (%MC), and the wood moisture equivalent (WME) of masonry and other building materials. Decorators can use the meter to assess if plasterwork is sufficiently dry for painting. Woodworkers can use the Mini for checking the moisture content of timber before embarking on a project. **The standard Mini includes: protective pouch, 2 x AA batteries, extension leads for taking readings in awkward areas, self calibration check, wood species chart, 2 year warranty.**



	Inc.vat	Ex.vat	Code
Moisture Meter	£159.95	£133.29	211838



## Protimeter Timbermaster Mini Digital Moisture Meter

When precise wood moisture measurements are required, there is no substitute for this advanced moisture meter for wood. The Protimeter Timbermaster is a simple to use wood moisture meter specifically designed for the timber industry. It is ideal for a range of quality control applications associated with the production and use of wood products. This compact instrument has eight calibration scales, enabling the user to take accurate moisture measurements in 150 wood species. Moisture measurements are taken using the integral pin electrodes. The appropriate wood calibration scale can be dialled in to ensure the accurate measurements are taken.

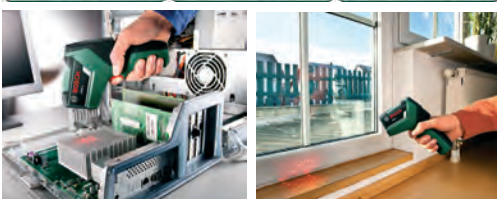


	Inc.vat	Ex.vat	Code
Digital Meter	£224.95	£187.46	211837

## Bosch PTD 1 Laser Thermo Detector



The PTD1 will quickly tell you room conditions, detecting cold spots, areas of condensation and mould risk by measuring room and surface temperature as well as humidity. Using contactless infrared to find hidden problems without guessing, it will tell you if and where to take action. Simply switch between the three modes: surface temperature mode, thermal bridge mode or mould warning mode, scan the area and the information is then fed back on the clearly arranged read-out giving all important measuring parameters. There is also a three colour warning light to alert you to the problem area. With the cost of heating your home soaring, this detector could save a lot of time and expense identifying problem areas quickly and helping you have a healthier home. Measuring range -20 - 200°C, accuracy +/- 1°C (10 - 30°C). **Supplied with 2 x AA batteries and protective case.**



	Inc.vat	Ex.vat	Code
PTD 1 Thermo Detector	£109.96	£91.63	503755



## Axminster TS90 Metal Detector

The Axminster TS90 metal detector is a powerful non contact hand held metal detector which gives off a loud audio signal when it comes across any small metallic object such as a nail, screw or staple embedded in the wood. The scanning area is 75mm wide which means that a board can be checked in just a few seconds before being fed into the machine and the device will detect an item as small as a fencing staple buried 32mm in the timber. Larger objects can be detected as much as 150mm below the surface. Adjustment for sensitivity is easy to carry out. Provision has been made for use in a noisy workshop with a socket for included earphones. This unit has been specially designed for use with woodworking machinery. Overall length 420mm. **Supplied with a 9 volt battery and earphones.**

	Inc.vat	Ex.vat	Code
TS90 Detector	£69.95	£58.29	210306

## Stanley Intelli Tools IntelliSensor Pro Metal Stud Sensor & Metal Scan

The IntelliSensor Pro Metal Stud Sensor with Metal Scan locates the edges of wood or metal studs or joists through drywall and other common wall materials at a maximum depth of 38mm. It has an audible tone to indicate stud and joist edges. The unit requires a 9V battery (not included) with automatic shut-off for longer battery life. Continuous live wire detection.



	Inc.vat	Ex.vat	Code
Pro Metal Stud Sensor with Metal Scan	£33.95	£28.29	134857
PP3 Battery (each)	£2.45	£2.04	340468



## Stanley Intelli Tools IntelliSensor Pro Stud Sensor

Multi depth stud sensing capability: 12mm, 25 mm and 38 mm. Backlit LCD screen. The Intelli Laser Pro generates a laser beam for quick and easy marking. A separate laser pod can be set to level plumb or any angle needed. Automatic calibration. Auto shut off. Heavy-duty ABS construction. Powered by 9V battery (not supplied).

	Inc.vat	Ex.vat	Code
Pro Stud Sensor	£64.96	£54.13	134858
PP3 Battery (each)	£2.45	£2.04	340468

## Stanley Intelli Tools Moisture Meter

Gives % moisture reading based on electrical resistance across two pins. LCD screen with dual measurement bar graph. Measures moisture in wood from 6 - 44%. Measures moisture in other building materials from 0.2 - 2%. **Powered by 3 cell batteries (supplied).**



	Inc.vat	Ex.vat	Code
Moisture Meter	£49.96	£41.63	134855



## Test West Meters Metal & Ac Voltage Detector

Dual function meter - locates hidden wires, pipes, cables and steel joists using the metal detection function. Also indicates if cables, power points, junction boxes etc. are live.

	Inc.vat	Ex.vat	Code
Metal & Ac Voltage Detector	£13.96	£11.63	152403

## Test West Meters Metal AC Voltage & Stud Detector

Helps avoid drilling in or cutting into unseen hazards in walls, floors and ceilings. Locates cables, metal pipes, timber frames and joists.



	Inc.vat	Ex.vat	Code
Metal AC Voltage & Stud Detector	£17.95	£14.96	152402

## Duracell Batteries

A selection of the most popular alkaline batteries: AAA, AA and PP3 (MN1604).



	Inc.vat	Ex.vat	Code
AA (LR6) Batteries (Pkt 4)	£2.54	£2.12	309018
AAA (LR0) Batteries (Pkt 4)	£2.54	£2.12	409070
PP3 Battery (each)	£2.45	£2.04	340468

# Plumbing Tools

## Faithfull PTFE Tape Twin Pack

**NEW!**

An essential item for plumbing and compressed airline systems. Seals threaded joints and also allows easy dismantling at a later stage should circumstances make it necessary. Twin pack 2 x 12m x 12mm wide.



	Inc.vat	Ex.vat	Code
PTFE Tape Twin Pack	£0.74	£0.62	506055



## Self Fusing Silicone Tape

Designed mainly for industrial use, this silicone tape will fuse to itself without any adhesives. The tape cross-links molecularly to form a non-conductive, watertight, pressure-resistant, "one-piece" insulator. It has endless uses and applications. Originally, we used it to make comfortable non-slip tool grips. It is waterproof, withstands pressure to 700psi, withstands temperatures of -65 to +260°C, insulates up to 8,000V. In addition, it resists petrol, oil, acids, solvents, salt water and UV rays. It is useful for waterproof electrical repairs, sealing joints, and for temporary radiator and garden hose repair. With so many different uses, everyone should keep a roll in their toolbox or kitchen drawer. Supplied in a 3m x 25mm roll

	Inc.vat	Ex.vat	Code
Black 3m	£6.44	£5.37	502381

**MONUMENT TOOL**

## Monument Automatic Copper Pipe Cutters

For the quick and simple slicing or cutting of either 15mm or 22mm diameter copper tubes. Simply close over the pipe and rotate, no further adjustment is necessary.



	Inc.vat	Ex.vat	Code
15mm	£10.14	£8.45	300154
22mm	£11.15	£9.29	300222

**MONUMENT TOOL**



## Monument Pipe Cutters

The size 1 pipe cutter will cut copper, brass, aluminium, polythene and other light gauge pipes from 4 to 28mm.

	Inc.vat	Ex.vat	Code
Size 1	£18.65	£15.54	610028

**MONUMENT TOOL**

## Monument Professional Plumber's Soldering Mat

This Heat Pad will resist temperatures up to 600°C. It is recommended for use with butane or propane. Made from thick woven glass fabric and is completely free of asbestos. Heavy duty overlock stitching prevents the edges from fraying. A brass eyelet in one corner provides a convenient hanging hole when soldering vertical pipes. Size 300 x 300mm (12" x 12").



	Inc.vat	Ex.vat	Code
Soldering Mat	£14.45	£12.04	211831



## Armeg Waste Pipe Chamfering Tool

This is an innovative, quick and easy solution to putting a chamfer on the end of domestic plastic waste pipe for both 32mm (1.1/4") and 41mm (1.1/2") sizes. The Pipe Chamfering Tool can be used on the outer and inner part of the pipe. It produces a neat and even finish to the pipe end in seconds. The chamfering eases pushing the pipe into a connector and helps to ensure a correct seal when joining plastic pipes, especially using connectors incorporating O-rings.



	Inc.vat	Ex.vat	Code
Chamfering Tool	£23.94	£19.95	702322



## Antex Pipemaster PRO

**NEW!**

The Pipemaster PRO soldering tool is designed specially for use on integral solder rings or end feed capillary fittings on domestic copper pipes where the use of a naked flame is either unacceptable or undesirable. With a two minute warming-up time, after which it is ready for continuous work, it is the perfect replacement for a traditional blow torch. Two high power elements are wired in series giving 220W in total. Simply apply the Pipemaster PRO alongside the fitting to be soldered and the joint is made in seconds. The unit is supplied with 15mm removable heads and 22mm heads are available separately.

	Inc.vat	Ex.vat	Code
Pipemaster PRO	£99.95	£83.29	504567



## Antex Pipemaster

The Pipemaster soldering tool is especially designed for use on integral solder rings or end feed capillary fittings on domestic copper pipes where the use of a naked flame is either unacceptable or undesirable. With a four minute warming up time, after which it is ready for continuous work, it is a perfect replacement for a traditional blow torch. Two elements rated at 60W each are wired in series. Simply apply the Pipemaster alongside the fitting to be soldered and the joint is made in seconds. The unit is supplied with 15mm heads. 22mm heads are also available.

	Inc.vat	Ex.vat	Code
Antex Pipemaster 230V	£64.96	£54.13	340039

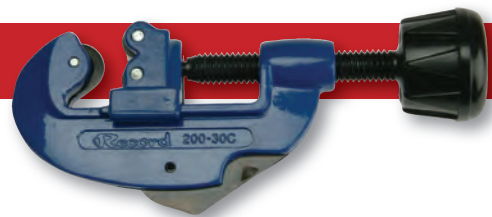
**MONUMENT TOOL**



## Monument 258F Gas Test Gauge 60mb 600mm (24 in)

Made from tough plastics. Used both for testing pipework installations with air for leaks before the introduction of gas and for checking and setting correct gas pressures on domestic and commercial appliances.

	Inc.vat	Ex.vat	Code
Gas Test Gauge 60mb 600mm	£25.96	£21.63	135219



## Record Irwin 200-30C Copper Tube Cutter

Compact and accurate cutter with steel wheel and roller mounted in precision die-cast body. Strong and lightweight, it is designed to cut copper, brass, aluminium or thin walled steel. Features a steel de-burrer, which folds into the body when not in use. A spare cutter wheel is located in the handle. Capacity 1/8 to 1 1/8 in Copper Tube.

	Inc.vat	Ex.vat	Code
Copper Tube Cutter	£23.95	£19.96	135478



## Record Irwin 200-45 Pipe Cutter

This pipe cutter is for cutting plastic pipe with exceptionally thin cutting wheel and roller. It will also cut copper tube but its use should be confined to one or the other as cutting copper will reduce the effectiveness of the wheel on plastics. Die-cast body with stove enamelled rust resistant finish. Capacity 15 to 45mm (9/16 to 1 3/4 in).

	Inc.vat	Ex.vat	Code
Pipe Cutter	£21.46	£17.88	135479



## Record Irwin Mini Bender 210 (3, 4 & 6mm Copper)

Designed for bending small diameter copper, stainless steel, aluminium and steel tubes. Particularly suitable for the hydraulic engineer, vehicle mechanic and tool maker. Capacity 3, 4, and 6mm. O.D. and 1/8, 3/16, and 1/4in O.D.

	Inc.vat	Ex.vat	Code
Mini Bender (3, 4 & 6mm Cu)	£24.95	£20.79	135480



**MONUMENT TOOL**

## Monument Gas Test Gauge

Made in the UK and designed for testing domestic and commercial gas appliances and pipework. It is a low cost, effective, easy to use manometer, as used by British Gas and Gas Safe registered (Corgi) engineers. It can be used both for testing pipework installations for leaks, (by introducing compressed air to the system) before the introduction of gas and for checking and setting correct gas pressures on domestic and commercial appliances. The scale is marked in millibars, 30mb capacity, with a simple zero adjustment. Made from tough plastic, it features a slide off cover that clips to the base for standing the tool vertically during use. A tab allows the gauge to hang from suitable hook etc. Overall length 430mm.

	Inc.vat	Ex.vat	Code
Gas Test Gauge	£16.55	£13.79	211825





## Boa Wrenches

A most innovative and handy tool particularly for use on plastic pipe or polished surfaces. The standard Boa is more than capable of exerting up to 2 tons of pressure, more than enough for even the most stubborn thread. Because it utilises a rubber strap it will not mark or scratch the surface. The Baby Boa has a 6" handle and is capable of gripping objects up to 4" diameter whilst the standard Boa is 8" long and will grip up to 6" diameter. Of course these tools are just as useful on a huge variety of other jobs, removing oil filters, tap covers, the most stubborn of pickle jar lids, particularly for those of us whose grip is not what it used to be. No home should be without one.

	Inc.vat	Ex.vat	Code
Boa Constrictor	£8.04	£6.70	610000
Baby Boa	£3.65	£3.04	015062



## Armeg Jaw Dropper Plumbing Spanners

This innovative product from Armeg is designed to make a plumber's life a whole lot easier. Fitting or removing unsighted taps can be a fiddly and frustrating job, which is where the Jaw Dropper Spanner becomes exceptionally useful. With the sliding jaw locked in position it allows tightening or removal of the pipe union nut. With the sliding jaw dropped it allows tightening of tap back nuts without having to turn off the water and drain the system. The head is practically self guiding and locates with ease onto the nut, a swing out handle aids tightening or removal of basin or bath nuts. **The set, contained in a carry case, consists of two spanners, one for 1/2" and the other for 3/4" BSP threads.**

	Inc.vat	Ex.vat	Code
Plumbing Spanners	£51.95	£43.29	701236



## Wiha QuickFix Self-Adjusting Water Pump Pliers

These unique water pump pliers automatically open and adjust to the required size. This simple single-handed operation completely cuts out all the fiddling around for the best fit. Made from tempered chrome vanadium steel with additional inductive hardening of the gripper jaws. A strong box joint ensures correct jaw alignment. These grip pipe up to 38mm (1.5") diameter and hex nuts up to 40mm. Overall length 250mm.

	Inc.vat	Ex.vat	Code
QuickFix Water Pump Pliers	£28.94	£24.12	504035



## Armeg GripFast One Hand Water Pump Pliers

These pliers automatically adjust to the required size by simply squeezing the handles. They just slide into action for a perfect grip every time. The patented system allows for faster, safer work in confined areas without losing any of the benefits of traditional styles. Available in 3 different sizes.

	Inc.vat	Ex.vat	Code
175mm	£16.94	£14.12	702318
250mm	£19.44	£16.20	702319
300mm	£23.94	£19.95	702320



## Bahco 8231 Slip Joint Plier

For accessing confined spaces, Bahco Tools have developed this short handled, wide jaw slip joint plier 255mm long with 51mm capacity. Small enough to carry in a tool belt or pocket, yet having an extra wide jaw opening to handle a wide range of tasks and having the capacity of a much longer handled plier.

	Inc.vat	Ex.vat	Code
Plier	£39.95	£33.29	366509



## Stanley Waterpump Pliers

Heat treated carbon steel forged pliers, with ground heat treated cutting edges that produce longer life, durability and accuracy when cutting. The Comfort Grip handles give comfort when in use. With a polished head for precision appearance.

	Inc.vat	Ex.vat	Code
Waterpump Plier 250mm	£10.75	£8.96	136109
Waterpump Plier 300mm	£11.75	£9.79	136110



## Faithfull Basin Wrench

Basin wrench 1/2in x 3/4in, (15 X 22mm) accurately manufactured from cast iron.

Ideal for use in awkward places, eg. back nuts fitted to taps behind sinks or baths.

	Inc.vat	Ex.vat	Code
Basin Wrench	£5.26	£4.38	118397



## Monument Tap Reseating Tools

Monument tap reseating tools make a simple task of recutting a smooth, watertight seat in taps or stopcocks. The 450 model (610035) tap reseater is an economical plastic bodied tool for repairing 1/2" or 3/4" taps. It is supplied complete with three hardened steel cutters 11/16", 3/4" and 1". Model No 455 (610036) model is supplied with two stepped bushes BSP 1/2" and 3/4"; four flat cutters 11/16", 3/4", 13/16" and 1" and two bevelled cutters 11/16" and 13/16".

	Inc.vat	Ex.vat	Code
455 Reseater	£39.95	£33.29	610036
450 Reseater	£10.44	£8.70	610035



## Monument Multi-Purpose 4-Way Key

This multi key, 75mm by 75mm with four different ends, allows access to gas, water and electric meter cupboards, air-con units, stop valves, mains consoles, central heating pump cocks, some radiator valves and drain off valves - pretty useful then!

	Inc.vat	Ex.vat	Code
Four Way Key	£3.14	£2.62	015142

## Plumbing Tools

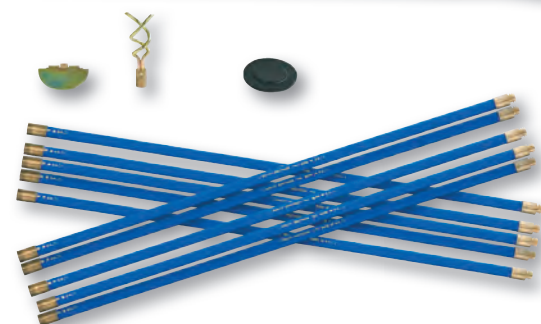
MONUMENT TOOLS



### Monument Mini Stopcock Key

You can almost guarantee the stopcock will be in the most awkward spot. Mains stopcocks are often located in a dark recess at the back of kitchen cupboards or under the kitchen sink or maybe it's just an outside tap that's too stiff to turn. This mini stopcock key gives you that necessary extra bit of leverage. It has a crutch head design and a removable tommy bar (or you can use a 13mm socket or spanner on the hexagon shaft). Overall length 225mm, to fit stopcocks from 1/2" upwards.

	Inc.vat	Ex.vat	Code
Stopcock Key	£5.75	£4.79	211824



### Bailey Universal Drain Rod Set

These heavy duty, professional grade rods are 915mm long and 19mm in diameter. The rods and the various end pieces just screw together (right handed, so be careful to turn the rods clockwise when using). The pack consists of 10 rods, a 100mm(4") plunger, a 100mm(4") drop scraper and a 50mm(2") double worm screw, complete with a carry bag to keep everything together when not in use. The Plunger is used to create a build up of pressure, which in turn forces the obstruction clear. The Drop Scraper moves over the obstruction, then drops into place allowing the material to be pulled back towards the operator. The Double Worm Screw is also used to retrieve an obstruction.

	Inc.vat	Ex.vat	Code
Drain Rod Set c/w Carry Bag	£34.94	£29.12	701559
Chimney Sweeps Brush	£8.75	£7.29	340462



### Bailey 1324 Lockfast Drain Rod Set with 4 Tools

Lockfast blue polypropylene drain rod set

Contents  
10 x 3/4 in x 3ft Blue Rods  
2 x 12 in Leather Straps  
1 x 4 in Plunger  
1 x 2 in Double Worm Screw  
1 x Clearing Wheel  
1 x 4 in Drop Scraper

	Inc.vat	Ex.vat	Code
3/4in Drain Rod Set 4 Tools	£62.95	£52.46	117987

## Adjustable Wrenches



### Faithfull Contract Adjustable Spanner

A range of four adjustable wrenches with a ring spanner built into the handle. The drop forged construction and the moulded soft-grip handle combine strength with comfortable use.

	Inc.vat	Ex.vat	Code
Adjustable Spanner 150mm	£4.94	£4.12	118304
Adjustable Spanner 200mm	£4.94	£4.12	118306
Adjustable Spanner 250mm	£8.94	£7.45	118309
Adjustable Spanner 300mm	£10.94	£9.12	118311



### Proxxon Adjustable Spanners

These precision adjustable wrenches are made of hot-forged CrV steel and have a slim head to get into those tighter spaces. The ground jaws, easy to read millimetre scale and milled adjustment screw allows for high accuracy and smooth use. Available in three sizes: 24.5, 29 and 34mm jaw widths.

	Inc.vat	Ex.vat	Code
200mm long x 24.5mm cap	£19.94	£16.62	953074
250mm long x 29mm cap	£24.95	£20.79	953075
300mm long x 34mm cap	£32.94	£27.45	953076



### Bahco Reversible Adjustable Wrenches

Made by Bahco, the inventors of the adjustable wrench and of unsurpassed quality, these wrenches are unusual in having reversible jaws with a serrated pipe gripping face on the rear of the jaw. Moulded ergonomic grips to give hours of blisterless operation. 250mm length with 33mm capacity.

	Inc.vat	Ex.vat	Code
Wrench	£41.94	£34.95	349867



### Bahco High Capacity Adjustable Wrenches

For getting access to big nuts in confined spaces Bahco Tools have developed these short handled, wide jaw adjustable wrenches. They are small enough to carry in a tool belt or pocket, yet they have an extra wide jaw opening to handle a wide range of tasks. They have ergonomic moulded handles for a comfortable and safe grip. Capacities are 32mm for the 170mm version and 38mm for the 205mm one.

	Inc.vat	Ex.vat	Code
170mm	£28.44	£23.70	310612
205mm	£30.95	£25.79	349298



### Stanley Locking Adjustable Wrench

We like this a great deal. Some splendid chap at Stanley has had the brilliant idea of combining the wide range of adjustment of an adjustable, with the firm gripping power of a mole wrench. Tighten the jaws in the normal manner, then squeeze the handles together, this tightens the movable jaw and grips the nut or bolt firmly. Capacity up to 32mm or 1.1/4" AF.

	Inc.vat	Ex.vat	Code
250mm	£21.44	£17.87	900148



### Axminster Adjustable Ratchet Wrench

This 250mm adjustable wrench cleverly overcomes the age old irritation that when removing the wrench for the next turn, inevitably the thumb wheel gets moved and then either the thing won't go back over the nut or it's too big. This wrench can be used conventionally or changed to ratchet, so on the backstroke as it were, the jaw assembly pivots, allowing the moving jaw to slip over the corner of the nut before, springing back to engage on the flats. The head is a little bulkier than a normal adjustable wrench but not by much; nonetheless this is a handy tool to have in the kit. Maximum capacity 30mm, fitted with a comfortable grip.

	Inc.vat	Ex.vat	Code
Ratchet Wrench	£17.94	£14.95	100352

## Torches & Worklights



### Active 100 Lumens Head Torch

The 100 lumens output of the CREE LED is genuinely impressive. This head torch features three functions: an adjustable spotlight, red LED or flashing red LED. The spotlight is adjustable for focus from x1 to x4. The ABS body has a durable tilt ratchet and is water resistant to IPX4 standard. A unique infra-red motion sensor allows you to turn the spotlight on or off simply by passing your hand in front of the torch. This is useful when you need light, without feeling around for the button or removing the torch to switch it on, you just wave. An adjustable head strap and foam padding make this headlight very comfortable to wear. It is suitable for indoor or outdoor use with a beam distance of 55m. **Batteries included (3 x AAA)**, battery life on full beam up to 8 hours, LED life 10,000 hours.

	Inc.vat	Ex.vat	Code
100 Lumens Head Torch	£20.94	£17.45	504070





APPROSERIES



## Active 120 Lumens Torch

The CREE LED puts out a bright white light of 120 lumens. These advanced LEDs use very little power and have a working life of over 10,000 hours. The torch has a smooth focus control giving a seamless transition from flood to spot. The engineered aluminium body is durable, lightweight and water resistant to IPX4 standard. A tactical switch allows momentary or constant on. The two AA batteries will have a life of 14 hours on high beam. **3 year warranty, batteries included 2 x AA.**

	Inc.vat	Ex.vat	Code
120 Lumens Torch	£19.94	£16.62	504071

NEW!



APPROSERIES

## Active 220 Lumens Spotlight

The CREE LED puts out a massive 220 lumens, bright enough to light up the darkest recess. The beam is both floodlight and spotlight at the same time. The adjustable base lets you work hands-free and the unit highlights what you need whilst illuminating the surrounding area at the same time. The high grade, moulded body is robust, durable and water resistant IPX4 standard. **This spotlight comes with a 3 year guarantee, shoulder strap and battery (1x 6V 996).**

	Inc.vat	Ex.vat	Code
220 Lumens Torch	£22.94	£19.12	503870



APPROSERIES

## Active 220 Lumens Rechargeable Spotlight

This rechargeable spotlight gives up to 5 hours battery life on a full charge. CREE LED puts out a beam with a distance of 300m and 220 lumens. This should be enough for the largest attic. The beam is both floodlight and spotlight at the same time. The adjustable base lets you work hands-free and the unit highlights what you need whilst illuminating the surrounding area at the same time. The high grade moulded body is robust, durable and water resistant IPX4 standard. **This spotlight comes with a 3 year guarantee, shoulder strap and charger.**

	Inc.vat	Ex.vat	Code
220 Lumens Rechargeable Spotlight	£36.95	£30.79	504073



APPROSERIES

NEW!

## Active LED 3 Mode Head Torch

For hands-free working, this ultra-bright head torch has 7 LEDs and a choice of 3 modes: 3 LED, 5 LED or 2 red flashing LED. Beam distance up to 25m from the 10 lumens, the headband is adjustable and the torch head can be tilted, battery life of 20 hours. This head torch is water resistant and passes a 1m drop test. **Supplied with 3x AAA batteries.**

	Inc.vat	Ex.vat	Code
LED Headtorch	£6.44	£5.37	503869

APPROSERIES



NEW!

## Active 90 Lumens Cree LED Torch

The CREE LED puts out a bright white light of 90 lumens. These advanced LEDs use very little power and have a working life of over 10,000 hours. CREE has minimal heat and conserves energy for a long battery life. High beam distance of 120m with smooth focus control giving a seamless transition from flood to spot. The engineered aluminium body is durable, lightweight and water resistant to IPX4 standard. A tactical switch allows momentary or constant on. **The 2x AA batteries included will have a life of 15 hours on high beam. 3 year warranty.**

	Inc.vat	Ex.vat	Code
90 Lumens Torch	£17.94	£14.95	503875

APPROSERIES



NEW!



## Active 210 Lumens Cree LED Torch

The powerful CREE LED is a key feature of this torch, putting out a bright white light of 210 lumens. These advanced LEDs use very little power and have a working life of over 10,000 hours. CREE has minimal heat and conserves energy for a long battery life. The 210 has a high beam distance of up to 210m and can be set on high or low beam with smooth focus control giving a seamless transition from flood to spot on both setting. The engineered aluminium body is durable, lightweight and water resistant to IPX4 standard. Batteries will last up to 90 hours on low beam. Takes 4 x C type 1.5V batteries, not supplied. 3 year warranty.

	Inc.vat	Ex.vat	Code
210 Lumens Torch	£31.94	£26.62	503876



## LightCraft Head Mounted Magnifier with 4 Lenses and Spotlight

When you need both hands free to carry out close-up precision work, this head mounted magnifier will prove invaluable. Supplied as a kit, it includes a fully adjustable headband, four interchangeable optical lenses and a built-in spotlight. The lenses are precision ground and cover working distances from 600mm to as close as 75mm. The lenses simply clip into slots in the headband making changing from one to another quick and simple. The battery powered spotlight lights up your working area. **Supplied with a protective case for the lenses and two AAA batteries.**

	Inc.vat	Ex.vat	Code
Head Mounted Magnifier	£19.94	£16.62	503956



## LightCraft Deluxe LED Headband Magnifier Kit

A comfortable and fully adjustable headband carries a triple LED spotlight and a one of four interchangeable lenses. As well as your work magnified and brightly lit, you have both hands free to carry out your chosen task. The LED spotlight features a magnetic base. You can remove the light assembly from the headband and sit it on your bench if needed. The kit includes four precision ground interchangeable lenses in a plastic protection case. These cover the magnification ranges: 1.2x, 1.8x, 2.5x and 3.5x. **The spotlight requires 3x AAA batteries for LED light (not included).**

	Inc.vat	Ex.vat	Code
Deluxe LED Headband Magnifier	£45.95	£38.29	503959
AAA (LR0) Batteries (Pkt 4)	£2.54	£2.12	409070

## LightCraft LED Hand-Held Magnifier with Inbuilt stand

This is an ideal magnifier for close-up, precision work. The LEDs will give you hours of natural energy efficient light. The large 50mm x 50mm lens gives four times magnification. A two-way switch offers the option of choosing five small LEDs or a single large LED. An inbuilt stand allows you to use the magnifier hands-free. **Supplied with two AAA batteries.**

	Inc.vat	Ex.vat	Code
Hand-Held Magnifier with stand	£11.75	£9.79	503955



## Duracell Batteries

A selection of the most popular alkaline batteries: AAA, AA and PP3 (MN1604).



	Inc.vat	Ex.vat	Code
AA (LR6) Batteries (Pkt 4)	£2.54	£2.12	309018
AAA (LR0) Batteries (Pkt 4)	£2.54	£2.12	409070
PP3 Battery (each)	£2.45	£2.04	340468

## LightCraft Fluorescent Daylight Folding Task Lamp

This portable, compact task lamp has a 13W energy saving tube producing a bright, natural quality light. It folds neatly when not in use, with a convenient carrying handle. The light automatically switches on when opening the lamp. The lamp is stable and compact being only 250mm tall, providing high quality illumination for crafts, hobbies and anyone requiring a well lit area for close work.



	Inc.vat	Ex.vat	Code
Folding Task Lamp	£31.94	£26.62	503957

## LightCraft Compact Fluorescent Magnifier Table Lamp

This self-standing, desktop 12W fluorescent daylight lamp features a versatile swivel head allowing you to move the lens into the best position. The 100mm diameter, 3 dioptre lens gives a 1.75 times magnification. It has a built-in 12 dioptre lens giving four times magnification for close-up intricate work. The lamp is very stable as well as being easy to move around a bench or desk. A hinged cap shades out interference when the lamp is in use and protects the lens when the working day is over.



	Inc.vat	Ex.vat	Code
Compact Magnifier Table Lamp	£43.94	£36.62	503958

## LightCraft Magnifier Organiser Table Lamp

The wide base ensures this magnifying lamp remains stable on your bench or worktable. The 125mm ground glass lens is surrounded by a 16W daylight fluorescent tube. This produces a bright high quality light with very little heat emission. The arm has two joints so you can position the 1.75 times magnification lens in the most convenient position. The base has handy inbuilt storage positions for small tools or other bits and pieces. This magnifier is ideal for the anyone looking to illuminate and magnify their work at the same time.



	Inc.vat	Ex.vat	Code
Magnifier Organiser Lamp	£69.95	£58.29	503961



## LightCraft Triple Tube Fluorescent Professional Task Lamp

This professional task lamp is perfect for lighting up large bench tops or worktables. Three 14W energy saving tubes provide plenty of daylight quality fluorescent light. The tubes are energy saving, producing very little heat. The three-way switch gives you the option of illuminating all three or just two tubes as well as the off position. The lamp head is 610 x 110 x 60mm. The arm length is 740mm. A bench C-clamp is included with a maximum capacity of 65mm.

	Inc.vat	Ex.vat	Code
Triple Tube Professional Task Lamp	£91.94	£76.62	503962



## LightCraft Fluorescent Daylight Flexible Magnifier Lamp

A 125mm diameter three dioptre ground glass lens gives you 1.75 times magnification. The 22W daylight tube produces a bright natural light that is shadow free. The long, sprung tension arms offer greater flexibility and easy positioning. A built-in sun protector shade protects the lens when not in use. The lamp includes a 65mm capacity C-clamp for attaching to a table or bench.

	Inc.vat	Ex.vat	Code
Flexible Magnifier Lamp	£57.95	£48.29	503960



## LightCraft Fluorescent Rectangular Magnifier Lamp

This daylight lamp features a high quality wide angle lens for intricate work. The 190 x 160mm lens provides maximum magnification while twin 9W daylight fluorescent bulbs illuminate your work. Sturdy joints on the articulated arms allow you to position the lamp in the best position. A C-type table clamp with a capacity of up to 65mm attaches the lamp to your bench or worktable.

	Inc.vat	Ex.vat	Code
Rectangular Magnifier Lamp	£106.94	£89.12	503964



## Dremel VersaTip Miniature Gas Torch

Butane powered, this miniature gas torch / soldering iron performs a multitude of functions. Recharged with lighter fuel, the runtime is approximately 90 minutes, with a maximum temperature of 550°C. It comes soldering, hot knife, hot blower, pyrography tips and direct flame functions. **All contained in a fitted metal storage case with solder and pans for flux and tip cleaning.**

	Inc.vat	Ex.vat	Code
Gas Torch	£32.94	£27.45	701839



## Weller 2012 Fine Soldering Iron

A 12W conical point (0.25mm) suitable for delicate work on audio equipment, radios and other fine electronic work.

	Inc.vat	Ex.vat	Code
12W Conical Point	£21.74	£18.12	910349
Tips (Pkt 3)	£4.94	£4.12	910356



## Proxxon EL 12 Soldering Iron

PTC technology ensures exact tip temperature of 310°C, preventing damage to sensitive elect. Light for illuminating working area. **Complete with spiral cable and standard Micromot Jack plug. Requires Proxxon Micromot Mains Adaptor.** Heating time approx. 10 secs.

	Inc.vat	Ex.vat	Code
EL 12 Soldering Iron	£15.24	£12.70	476826
Replacement Tip	£8.15	£6.79	477210
NG 2/S Single Speed 2A Adaptor 12V	£22.44	£18.70	476059





## Axminster Woodburning Pen

This pen, which looks very much like a small soldering iron, has a triangular section handle which makes it comfortable to grip and therefore easy to control. The handle flares out to form a guard to keep the fingers away from the hot bits of the iron. There are six interchangeable bits supplied with the pen, which allow a range of graphic effects to be achieved and an additional set of patterned ones is also available. All you need to add is a bit of creativity!

	Inc.vat	Ex.vat	Code
Wood Burning Pen	£13.94	£11.62	020301
Replacement Tips (Pkt 6)	£4.64	£3.87	332003
Patterned Tips (Pkt 7)	£5.45	£4.54	332004



## Axminster Variable Output Woodburning Station

This powerful machine, produces 30W and an output voltage variable from 0.5V to 1.6V. Variable output, achieved by rotating the knob on the front panel, gives more control over the tip temperature, allowing a greater variety of materials to be worked. Standard, pointed and flat tips are provided, giving good scope for design variations.

	Inc.vat	Ex.vat	Code
Variable Burner	£89.94	£74.95	017100



## Axminster Woodburning Station

This pyrography station consists of a mains transformer with an output of 1 Volt and a compact and lightweight triangular-bodied pen equipped with a wire loop tip. Because the pen runs on low voltage it is lighter and therefore easier to handle than a mains powered iron. There are three tips supplied with the iron, a standard loop for general work, a pointed one for fine work and a broad, flattened one for filling in large areas.

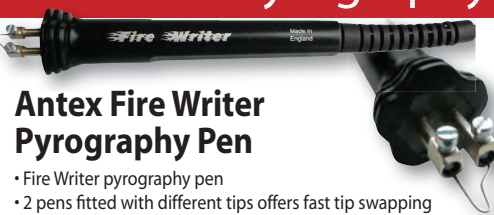
	Inc.vat	Ex.vat	Code
Wood Burning Station	£59.94	£49.95	014100
Tip - Standard	£2.54	£2.12	332000
Tip - Flat	£2.94	£2.45	332001
Tip - Fine	£2.54	£2.12	332002



## Axminster Fire Writer Pyrography Kit

- Variable voltage output (40W) up to 650°C
- Allows a greater variety of materials to be worked
- Supplied with slim pyrography pen
- Additional accessories available

	Inc.vat	Ex.vat	Code
Pyrography Kit	£149.94	£124.95	504560



## Antex Fire Writer Pyrography Pen

- Fire Writer pyrography pen
- 2 pens fitted with different tips offers fast tip swapping
- Splitter available to connect 2 pens and switch between them

	Inc.vat	Ex.vat	Code
Fire Writer Pen	£31.94	£26.62	504561

## Antex Fire Writer Splitter

- Fire Writer splitter
- 2 pens fitted with different tips offers fast changeover
- Splitter allows connection of 2 pens and switching between them

	Inc.vat	Ex.vat	Code
Splitter	£35.94	£29.95	504562

**NEW!**

## Antex Fire Writer Pyrography Tips

- Fire Writer specialist tip packs available
- 5 piece pyro tip pack
- 5 piece bird carver's pack
- 8 piece bird carver's pack
- 5 piece gourd artist's pack

	Inc.vat	Ex.vat	Code
Pyro Tips (Pkt 5)	£27.95	£23.29	504563
Bird Carver Tips (Pkt 5)	£27.95	£23.29	504564
Bird Carver Tips (Pkt 8)	£38.94	£32.45	504565
Gourd Artist Tips (Pkt 5)	£27.95	£23.29	504566

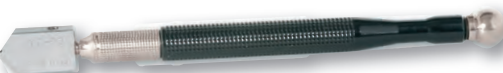
# Stained Glass Tools



## Weller HK2 Stained Glass Soldering Iron

This 80W iron is most suitable for stained glass work. It comes with a suitable tip and a stand, in fact nearly all you need to get started on this fascinating hobby.

	Inc.vat	Ex.vat	Code
Stained Glass Iron	£33.95	£28.29	910387



## Deluxe Lubricated Glass Cutter

A professional grade lubricated glass cutter with a tungsten carbide wheel that stores a supply of oil in the knurled handle. The constant supply of oil keeps the glass open and makes for a very clean break.

	Inc.vat	Ex.vat	Code
Glass Cutter	£5.64	£4.70	100143



## Axminster Circular Glass Cutter

An essential aid for cutting out glass for circular pictures. A lever-operated rubber suction pad holds the cutter securely to the glass while the cutting wheel is traversed around the circle, scribing out a clean cut in the glass. The brass bar is calibrated in metric and gives a maximum radius of 300mm.

	Inc.vat	Ex.vat	Code
Glass Cutter	£16.74	£13.95	100144



## Picture Framer's/Glazier's Hammer

Anyone who has framed pictures or re-glazed windows knows that driving brads or glazing points is tricky. The best method is to use a driving head that slides on the glass or picture backing. This hammer's hardened stainless-steel head has a rotating triangular face opposing a standard cylindrical face. As you rest the hammer head on the glass, one of the triangular faces flattens against the glass. This makes it easy to drive pins, brads or points, as you can hold the handle at any angle. Use the round face for pinning corners or flattening glazing points or for general work. Weighs 130g and is 270mm long.

	Inc.vat	Ex.vat	Code
Picture Framer's/Glazier's Hammer	£34.94	£29.12	952990

## Leponitt Lead Vice

A spring-loaded cam action jaw firmly grips lead came whilst stretching it. Removing kinks and bends, makes it slightly more rigid, easier to work with and results in a better finished article. If wished it is possible to screw the vice to your bench permanently. Made of die-cast alloy 100mm long by 40mm wide.

	Inc.vat	Ex.vat	Code
Lead Vice	£9.44	£7.87	952860

## Leponitt Lead Dykes

Lead dyke cutting pliers resemble diagonal cutters but differ in that they have a much more acute angle on the cutting edges. The back face is flat, to ensure a clean cut on the face of the lead came. Always use with the flat side towards the workpiece not the waste. The fine tips of the dykes make them handy for snipping when carrying out repairs or fine trimming lead. High carbon steel hardened jaws, spring-loaded handles with comfort grips, overall length 165mm. Use only for cutting lead.

	Inc.vat	Ex.vat	Code
Lead Dykes	£10.55	£8.79	952865

## Leponitt Lead Knife

This knife is 125mm long with an extremely sharp stainless steel blade. The curved blade is double riveted to a wooden handle. The 60mm radius curve makes cutting lead came easier requiring only steady pressure and a rocking motion. Running the edge of the blade across some wax prior to cutting helps give an even cleaner finish. The top of the handle has a hammer button for tapping horseshoe nails to hold your workpiece.

	Inc.vat	Ex.vat	Code
Lead Knife	£15.35	£12.79	952861

## Leponitt Running Pliers



The all-plastic construction makes these pliers light in weight and highly unlikely to damage your glass. The top jaw has an alignment mark to ensure the cut is in the correct position within the jaws. A gentle squeeze will result in a clean break. These pliers work equally well on long straight cuts or very short cuts that are difficult to snap by hand. Use for stained glass or mirrors only, not for use on tiles, 200mm long, 30mm jaw depth.

	Inc.vat	Ex.vat	Code
Running Pliers	£7.94	£6.62	952864

## Leponitt Grozier Pliers



These specialist pliers have two functions. Trimming by breaking a narrow strip, with the flat jaw uppermost close to a scored line, a quick downward move will break the glass in a controlled manner. Grozing is the nibbling away or trimming of unwanted bits of glass, known as points or flares, external or internal curves. The curved jaw should be uppermost, and a gentle upward twist removes the unwanted portion. The pliers have finely serrated jaws, heat-treated, hardened and chemically blackened for durability. The handles are spring-loaded for easy operation with comfortable dipped coating, overall length 160mm, and jaw depth 30mm.

	Inc.vat	Ex.vat	Code
Grozier Pliers	£10.94	£9.12	952863



## Leponitt Triple Headed Hammer

This hammer has three different interchangeable heads (the spare screws into the end of the handle). Initially designed for stained glass work it has many uses in other crafts. One head of the hammer is a soft plastic (for tapping glass gently into lead came channel). A second head is harder plastic (for use on lead or nails) and the third is steel for nails and general use. Each head simply screws in place into the one-piece glass fibre reinforced head and handle. 285mm long, 25mm diameter heads, weight 268g.

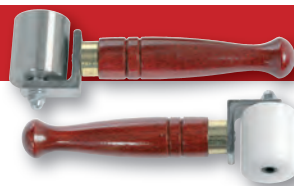
	Inc.vat	Ex.vat	Code
Stained Glass Hammer	£16.44	£13.70	952862

## Radzi Veneer Cutter



A really excellent tool for either cutting veneers using a straight edge or, with its fence fitted, it will trim excess veneer flush with the edge of the ground material. The body is made in one piece from hard, virtually unbreakable plastic and shaped for comfort and control. The blade is super sharp and very thin. It is clamped vertically to the side of the body and held at an oblique cutting angle to eliminate tearing of the grain. The blades are double edged and can be clamped on either side of the body for left or right handed use. Similarly the fence can be used on the left or right hand of the body. Supplied complete with ten double edged spare blades.

	Inc.vat	Ex.vat	Code
Cutter	£33.95	£28.29	800448
Replacement Blades (Pkt 10)	£5.15	£4.29	800447



## Axminster J-Type Veneer Roller

Four unique tools for applying pressure to veneers, laminates etc. Available with either hard nylon or stainless steel rollers in 40mm or 90mm lengths (all rollers are 35mm diameter). The design, having an axle projection at only one side, gives the roller access into corners. All corners are chamfered so as not to mark the surface.

	Inc.vat	Ex.vat	Code
Stainless Steel 40mm	£16.44	£13.70	510274
Stainless Steel 90mm	£21.44	£17.87	510276
Nylon 40mm	£8.94	£7.45	510273
Nylon 90mm	£9.95	£8.29	510275



## Veneer Roller

A semi-hard rubber roller with a polished hardwood handle. Designed for applying veneers, the roller is 40mm in diameter and available in three lengths. A useful tool for many other jobs especially when bonding laminate sheets with contact adhesives.

	Inc.vat	Ex.vat	Code
50mm	£20.75	£17.29	400433
90mm	£24.74	£20.62	400434
180mm	£31.74	£26.45	400435



## Victor Veneer Saw

The 75mm(3") long, gently curving, offset blade allows a cut to be started in the middle of a panel if required. The blade, which has zero set for a very fine cut, can be reversed when one side becomes dull. A useful tool for veneering work and fine joint cutting.

	Inc.vat	Ex.vat	Code
75mm	£13.44	£11.20	910310



## Chestnut Tools 50tpi Veneer Saw

Made with the traditional convex blade pattern, it is very effective, needing only a light touch to make it cut effectively. The tilted redwood handle is comfortable in use and allows a clear line of sight to the cut line. The kerf is a mere 0.3mm, blade length 75mm, blade depth 26mm with an overall length of 210mm.

	Inc.vat	Ex.vat	Code
Veneer Saw 50tpi	£28.94	£24.12	502369



## Signograph 25 Engraving Set

Like Pyrography, engraving as a hobby requires very little outlay. With patience and practice highly artistic designs can be created on all manner of different materials, from leather or plastics, to steel or glass, from either simple lettering to intricate pictures. From a practical point of view, personal numbers or identification marks can be permanently engraved onto any object such as tools, bicycles etc. as an aid to recovery should they get lost or, worse still, stolen. Brennenstuhl engravers are powerful 25W units shaped to fit in the hand for maximum control even when a light delicate touch is required. The action is in the form of thousands of minute penetrating hammer blows. Both units are equipped with controls which vary the length of stroke, matching it to the material being worked. Double insulated, requiring no maintenance and **rated for ten minutes continuous working time**. The Brennenstuhl 25 Set is supplied complete with a hardened metal stylus suitable for most materials, a stylus adaptor for alternative points and a stylus for hard materials.

	Inc.vat	Ex.vat	Code
Engraver Set	£24.95	£20.79	110213

# Jewellery Tools

## Jeweller's 75mm Dividers

The legs of these dividers are more robust compared to normal dividers of this type. These are useful not only to measure, but also to scribe arcs. The legs pivot on a roller, a bow spring automatically opens the legs on loosening the adjusting nut. The adjusting nut is the split nut and collet type for quick setting. The maximum opening is 68mm, with hardened and ground points. Made in Germany.

	Inc.vat	Ex.vat	Code
Dividers	£8.45	£7.04	502426

## Jeweller's Archimedian Drill

Archimedes would have been truly proud of this tool. The mechanism consists of a central helical shaft and a spring-loaded sliding collar. Moving the collar up and down causes the shaft to rotate approximately one and a quarter times. The drill will hold bits up to 1.0mm diameter in a collet at the head of the drill. At the other end is a swivelling finger rest. Small but effective and well made. Overall length 110mm.

	Inc.vat	Ex.vat	Code
Jeweller's Archimedian Drill	£4.94	£4.12	502421



## Jeweller's Brass Pocket Caliper

A handy pocket caliper, made from solid brass. The slide runs in a milled dovetail slot giving a smooth action. The caliper features permanently engraved graduations in both metric and imperial. The imperial scale is direct reading 3.1/4" x 1/16"; whilst the 80mm metric features a vernier scale readable to 0.1mm. No one is pretending this is a high precision instrument, but for quick external measurements or quick comparisons, it is an extremely handy tool. Unlike many poor quality copies, these German made calipers perform very well. Length overall 100mm, jaw depth 20mm, for external measurements.

	Inc.vat	Ex.vat	Code
Brass Pocket Caliper	£8.94	£7.45	502427





## Jeweller's Double Ended Scriber

A double-ended slim scriber only 100mm long. The 5mm in diameter central portion has a knurled grip. The ends are hardened and very sharp. Used in combination with a steel ruler or an engineer's square for marking out, the fine points ensure accuracy. Being small and slim, this scriber is useful for freehand marking out of a design for engraving or piercing.

	Inc.vat	Ex.vat	Code
Double Ended Scriber	£8.45	£7.04	502460



## Jeweller's Emery Sticks

These are 250mm long hardwood sticks with silicon carbide emery paper glued on all sides. They are available with either a 12mm wide half-round or 10mm three-square (triangular) cross sections. Each pack contains three sticks consisting one of each 180, 240 and 1,200 grit. These are ideal for sanding and the preparation of metals, especially in areas where access by hand is limited.

	Inc.vat	Ex.vat	Code
Half Round (Pkt 3)	£5.94	£4.95	502434
Three Square (Pkt 3)	£5.94	£4.95	502435



## Jeweller's Loupe 10x Doublet

Doublet loupes have two lenses (hence the doublet tag) in order to help eliminate spherical and chromatic aberrations. The 10x means that the loupe will magnify an image 10 times, so something 1mm diameter will look as if it is 10mm diameter. This 10mm diameter loupe folds into a chrome plated steel housing for protection when not in use. The housing features a D-ring for attaching a cord, hanging it around your neck means it is always easily found.

	Inc.vat	Ex.vat	Code
Loupe 10x Doublet	£9.24	£7.70	502428

## Jeweller's Micro Torch

The Jeweller's Micro Torch uses standard butane (lighter fuel) as its fuel source. It has a child safety lock to prevent unauthorised use. The piezo electronic ignition gives trouble free lighting. The gas and the airflow are independently adjustable allowing you to fine-tune the flame. A full tank of gas (35ml) gives 75 minutes run time at the medium setting. The maximum flame temperature is 1,300°C. The main body grip is ABS and the torch includes a foot ensuring stability when placed on the bench. Use for soldering, de-soldering, brazing or heating of workpieces, ideal for jewellery repairs. Height 110mm, weight 125g.



	Inc.vat	Ex.vat	Code
Jewellers Micro Torch	£30.95	£25.79	502433



## Jeweller's Piercing Saws

For extremely fine work, the piercing saw or jeweller's bow saw is best for the most detailed work. The piercing saw blades themselves are, by nature, very fine and therefore obviously more prone to breaking. To extend the useful life of the blade, we offer an adjustable frame, which is capable of using full-length blades or, by shortening the bow, a piece of a broken blade. Made in Germany and feature large cast thumbscrews. This feature makes locking the blade in place simple and painless.

	Inc.vat	Ex.vat	Code
Adjustable Frame	£13.94	£11.62	502417



## Jeweller's Pin Vice

This pin vice comes with a double-ended collet giving it a range from 0 to 2mm. A swivelling top with finger rest gives you control and easy single-handed use. Overall length 100mm.

	Inc.vat	Ex.vat	Code
Jeweller's Pin Vice	£4.94	£4.12	502420

## Skamolex Soldering Board

Skamolex is a highly insulating refractory product made from exfoliated vermiculite. Its primary use is as replacement firebricks and lining material in hearth and heating appliances. It has a very high temperature resistance up to 1,100°C to withstand direct flame impingement. It does not contain any ceramic or asbestos fibres and is non-dusting, non-irritant and odourless. It has a high mechanical strength, yet is easy to cut and shape with ordinary tools. All of which adds up to an ideal base for soldering or brazing. Available as a block 140 x 70 x 35mm or a board 300 x 200 x 15mm.

	Inc.vat	Ex.vat	Code
Block 140 x 70 x 35mm	£4.44	£3.70	502431
Board 300 x 200 x 15mm	£11.94	£9.95	502432



## Miniature Anvil with Stand

- Miniature anvil
- Overall height 70mm, width 125mm
- Supplied with stand
- Ideal for jewellery making and intricate jobs

	Inc.vat	Ex.vat	Code
Miniature Anvil	£17.94	£14.95	700325



## Jeweller's Precision Pliers

This is a range of superior quality, box joint pliers featuring polished heads and double leaf springs. The dipped PVC handles offer a non-slip and comfortable grip for easy manipulation. At around 130mm, these pliers are ideal for intricate, delicate and fine work. The precision and quality represent real value for money.

Choose from:

Flat nose - a wider gripping surface good for opening and closing jump rings.

Chain or Snipe nose - rounded, finely tapered jaws flat inside, for access in tight spots and excellent general-purpose pliers for delicate work.

Round nose - tapering, fully round jaws for making loops.

Half round - with one flat and one curved jaw, they take all the effort out of shaping a finger ring or curving sheet metal.

Side cutters - thin bevel, an essential tool for cutting soft wires.

	Inc.vat	Ex.vat	Code
Flat Nose	£9.24	£7.70	502411
Chain Nose	£9.24	£7.70	502412
Round Nose	£9.24	£7.70	502413
Flat & Half Round	£10.44	£8.70	502414
Side Cutter	£10.44	£8.70	502415



## Jeweller's Ring Clamp

This hardwood ring clamp features leather-lined jaws. The jaws are 20mm deep by 30mm wide with a maximum opening of 8mm. A simple wing nut closes the clamp; spring-loaded, the jaws open automatically when released. The body of the clamp is shaped and comfortable to hold whilst working on a piece. Overall length 135mm.

	Inc.vat	Ex.vat	Code
Jeweller's Ring Clamp	£6.95	£5.79	502419



## Jeweller's Shears

A drop-forged tool with 30mm long straight blades. The blades have finely ground bevels and slightly hollow faces. Overall length 175mm with comfortable red dipped PVC handles. Use for cutting thin sheet 0.5mm, fine wire or pieces of solder. Made in Germany.

	Inc.vat	Ex.vat	Code
Jeweller's Shears	£18.95	£15.79	502418



## Jeweller's Soft Faced Hammers

These hammers are available with white nylon or red plastic striking faces and 27mm in diameter, the red plastic being slightly harder than the white nylon. The rest of the hammer consists of a lacquered ash handle secured to a steel head. Both types of head are extremely durable. They are useful for forming, bending and truing. This type of mallet allows a relatively high impact force without marring a finished surface. Weight 200g, made in Germany.

	Inc.vat	Ex.vat	Code
Soft Faced Hammer Nylon	£9.95	£8.29	502422



## Goldsmith's Hammer

If you work with metal in making jewellery, you are actually goldsmithing, not silversmithing. There is a subtle difference between the two, nothing to do with the metal itself. All of which means this hammer has much wider appeal than its name would suggest. This hammer features a 19mm polished flat face and a 15 x 3mm cross pein. The polished flat face is for general-purpose work, whilst the cross pein has a variety of uses including riveting and forming. Overall length 265mm, head length 90mm, weight 170g.

	Inc.vat	Ex.vat	Code
Goldsmith's Hammer	£9.44	£7.87	502425



## Watchmaker's Hammer

Sometimes referred to as a Swiss style hammer, it is in effect a refined miniature cross pein hammer. It has a 10mm diameter polished round striking face, the cross pein is 11mm wide. This lightweight hammer has many uses in the jewellery trade from setting small rivets to stretching wires. It has a steel head with a lacquered wooden handle. The weight is 70g, the head 80mm long and the overall length 235mm.

	Inc.vat	Ex.vat	Code
Watchmaker's Hammer	£7.94	£6.62	502424



## Jeweller's Tweezers

The reverse action tweezers open when squeezed and grip when released. These are useful for soldering. The fibre scales on either side protect your fingers from the heat. Length 160mm.

	Inc.vat	Ex.vat	Code
Curved Tip	£1.94	£1.62	502429
Straight Tip	£1.94	£1.62	504093
Slide Lock	£3.74	£3.12	502430



## Selvyt SR Polishing Cloth

Manufactured in the UK for well over 100 years and recognised as the leading brand of polishing cloth. Selvyt polishing cloths are used worldwide by some of the most prestigious brands in the jewellery and luxury goods trades. Manufactured in woven unbleached cotton, this universal multi-purpose polishing cloth has a raised surface to lift particles leaving a perfect finish. It is ideal for removing finger marks from finished pieces of jewellery. Long lasting, it is 'as good as new' when washed. Size 250 x 250mm.

	Inc.vat	Ex.vat	Code
Polishing Cloth	£5.75	£4.79	502436



## Stanley Multi Angle Hobby Vice

The Stanley Multi Angle Hobby Vice with its patented ball joint system allows you to rotate your project a full 360° and lock it at any angle in multiple positions for convenience and easy access. It has a 75mm wide jaw, opening to 70mm that will hold a wide range of items and has removable rubber jaw covers ideal for protecting delicate finishes. The large C-clamp mount is suited to heavy duty applications and attaches to work surfaces up to 60mm thick. Throat depth 40mm, clamping capacity 70mm, clamping force 25kg.

	Inc.vat	Ex.vat	Code
Multi Angle Hobby Vice	£18.95	£15.79	953690

## Proxxon FMZ Precision Vice

Quickly and securely clamps to work benches and tabletops up to 60 mm thick. Stands freely or can be fixed down. Rotates in all directions, including flush to the surface. 75 mm jaws with removable rubber covers. Zinc die-cast vice with ball and socket. Jaws also with vertical and horizontal V-slots. Max. clamping width 70mm. Weight 1.6 kg.



	Inc.vat	Ex.vat	Code
FMZ Vice	£29.94	£24.95	702052



## Model Craft Spring Loaded Mini Vice

**NEW!**

This miniature spring-loaded vice for holding small parts for detailed work has a jaw capacity of 35mm and is 100mm in length. It can either be used by itself or with a larger table-mounted vice where the object needs to be held more delicately.

	Inc.vat	Ex.vat	Code
Spring Loaded Mini Vice	£7.25	£6.04	504810



## Universal Work Holder & Hand Vice Set

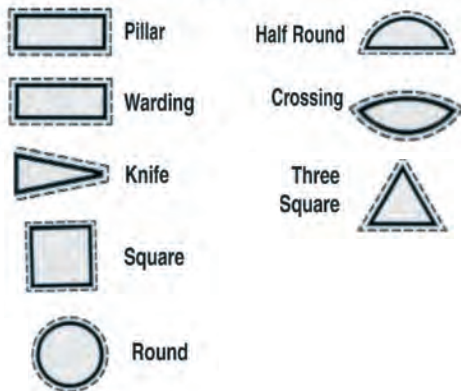
The Universal Work Holder was originally designed as an engraver's tool. This extremely useful tool is comfortable to hold and easy to use. The pin arrangement can easily be modified to suit practically any shape of work. The setting of the pins allows work to be gripped either externally or internally. The handle unscrews allowing the vice to be gripped by another vice or hand held. Diameter is 50mm with a maximum capacity of 58 mm, length including pins 140mm. The Hand Vice is all steel with an 8mm wide jaw opening to 3mm. The knurled handle is hollow allowing thin wires or rods to pass through and be gripped in the jaw. Overall length 130mm.

	Inc.vat	Ex.vat	Code
Work Holder & Pin Vice	£18.44	£15.37	600826





#### Cross Sections



## Vallorbe Midget Needle Files

Needle files are also known as Swiss Pattern or Jeweller's files. These small files are very accurately made and designed for precision work or delicate small work. Overall length is approximately 155mm. Also available is the 300189 universal needle file handle for all needle files.

	Inc.vat	Ex.vat	Code
Pillar	£5.64	£4.70	600101
Half Round	£6.95	£5.79	600102
Crossing	£7.25	£6.04	600103
Knife	£8.15	£6.79	600104
Warding	£6.24	£5.20	600105
3 Square File	£6.24	£5.20	600106
Square	£6.24	£5.20	600107
Round	£5.75	£4.79	600108
6 Piece Set	£35.94	£29.95	600109
Plastic Handle for Needle File	£3.44	£2.87	300189



## Thickness Gauge 0-15mm

A thickness gauge, sometimes referred to as a degree gauge uses the simple device of having a much longer arm on the reading side to magnify any movement from the measuring side of the pivot. Thus a small gap between the tips becomes a much larger swing of the measuring arm and a reading can be taken from a suitably calibrated scale fixed to the opposite leg. This model will measure between 0 and 15mm in increments of 0.1mm and has a throat depth of 20mm. Taking the sharpness of the pointer into account and the effects of parallax you have a great value tool that will give you a reading with far more resolution than anything else in this price range. All steel construction, overall length 155mm.

	Inc.vat	Ex.vat	Code
Thickness Gauge	£5.54	£4.62	210970



## Emir Web Stretcher

A traditional beechwood tool for hand tensioning upholstery webbing. The body has a rebate at the end for location on the frame of the chair and the locking pin is attached to the tool with a chain to prevent loss.

	Inc.vat	Ex.vat	Code
Stretcher	£12.14	£10.12	410300



## Upholstery Hammers

Top quality tools from Vaughan, the hammer people with over 130 years of experience. The SU7 is a curved head upholstery hammer 200g(7oz) with one magnetic tip to pick up and set a tack, and one striking face with which to drive it home; its head is curved in the classic upholsterer's style. ST5 140g(5oz) is a tack hammer with one magnetic face and one tack removing claw. Tools from one of the world's best hammer makers.

	Inc.vat	Ex.vat	Code
SU7 Upholstery Hammer 200g(7oz)	£19.94	£16.62	441020
ST5 Tack Hammer 140g(5oz)	£17.45	£14.54	441019



## Arrow T50 Staple Gun

All the working parts of this heavy duty staple gun, one of the most widely used staplers around, are made from hardened steel for a long and active life. It will take hardened steel and stainless steel staples. It's easy to use double leverage action, jam proof mechanism and visual refill window make it simple to use, yet its overall construction is robust enough for thousands of different jobs. Uses the full range of T50 staples.

	Inc.vat	Ex.vat	Code
Staple Gun	£26.94	£22.45	340265

## Arrow T50 Stainless Steel Staples

Arrow T50 Stainless Steel Staples (packed 1,000 per box) to fit Arrow Staplers: T50, T50PBN and HT50P Hammer Tacker and Stanley FatMax XL Hammer Tacker.

	Inc.vat	Ex.vat	Code
10mm (Pkt 1,000)	£8.15	£6.79	610756

# Upholstery Tools



## Arrow T50 R.E.D. Stapler/Nailer

The T50 R.E.D.™ is the only professional manual stapler/nailer capable of firing a 25mm brad nail. It offers up to 60% more power and is easier to squeeze, resulting in much less fatigue. It features high and low power settings allowing you to adjust the machine when working with hard surfaces like melamine, or softer surfaces like pine. Professionals will also appreciate the bottom-loading magazine. Takes all sizes of T50 staples.

	Inc.vat	Ex.vat	Code
Stapler/Nailer	£32.94	£27.45	952853



## Arrow TT21K TruTac Stapler Upholstery Kit

The Arrow TruTac TT21 is a compact forward action staple gun suitable for home projects and supplied in a upholstery kit with tacks, staples and staple puller. The direction of handle is opposite to other staple guns so that you press down right over the point of impact allowing your body weight to assist. Its compact design allows you to get into awkward places as well as allowing for precise positioning of staples. The perfect tool for quick repairs around the house and workshop. Takes JT21 staples 6,8,10 and 12mm length. Supplied with staple puller tool, 600 x 8mm J21 staples, 25 satin nickle and 25 flat black upholstery tacks.

	Inc.vat	Ex.vat	Code
Upholstery Kit	£20.45	£17.04	503885
Staples - 6mm (Pkt 1,000)	£1.94	£1.62	340257
Staples - 8mm (Pkt 1,000)	£2.04	£1.70	340259
Staples - 10mm (Pkt 1,000)	£2.15	£1.79	340258



## Arrow T50 Steel Staples

T50 Wire Staples to fit Arrow Staplers T50, T50PBN and HT50P Hammer Tacker and Stanley FatMax XL Hammer Tacker. Supplied in packs of 1,250.

	Inc.vat	Ex.vat	Code
6mm (Pkt 1,250)	£2.24	£1.87	340268
8mm (Pkt 1,250)	£2.24	£1.87	340272
10mm (Pkt 1,250)	£2.54	£2.12	340270
12mm (Pkt 1,250)	£2.84	£2.37	340266
14mm (Pkt 1,250)	£3.14	£2.62	340275