

# HANDTOOLS & HANDPLANES

No machine with rotating blades can match the clarity and polish produced on a surface cut with a well-tuned and sharp handplane.



- 140 BLOCK PLANES
- 142 BENCH PLANES
- 144 SPECIALTY PLANES
- 149 SHOULDER PLANES
- 152 SCRAPERS
- 154 SPOKESHAVES
- 156 BENCH CHISELS
- 158 SPECIALTY CHISELS
- 160 TRADITIONAL HANDSAWS
- 161 JAPANESE SAWS
- 169 KITCHEN KNIVES



It's very interesting to look at the place the handplane occupies in the history of woodworking. One of the most important changes that occurred in this history was the progression from the carpenter - whose main tools were the axe, adze and saw - to the joiner, cabinet maker and other craftsmen, all of whom needed components produced to precise dimensions and a smooth finish. It was the handplane alone that made this development possible.

Prior to the machine era this important preparatory work was done by hand with bench planes. The introduction of machinery and power tools dramatically reduced both the labour component and the time requirement. These benefits are unquestionably essential in today's commercial workshops, so it is therefore inevitable that the bench plane would become far less important. Despite this, the simple truth remains that a plane works better and more efficiently than a machine in many situations.

For example, no machine with rotating blades can match the clarity and polish produced on a surface cut with a well tuned and sharp handplane. Surface ripples left by some thicknessing machines are best removed with a bench plane. When fitting a joint such as a mortise and tenon, no tool is more useful than a shoulder plane. The difference between a well fitted drawer and a loose one is often a little more than a thin plane shaving. A plane allows you to do this, one shaving at a time. What machine can do that? Similarly, the fitting of a door and cabinet is most easily and accurately done with a bench plane. Cleaning up after having glued up a joint with dovetails or finger joints is quickly and neatly done with a block or bench plane.

There are numerous other situations in which a handplane is the most appropriate tool. Possibly the most important reason for learning to use one is that the skills you acquire can transform the standard of your craftsmanship. It is not a difficult tool to use, like swimming or riding a bike, it's never forgotten. Many of the older generation of craftsmen - those who spent their early years working only with hand tools - find these skills of great benefit when using machinery.

Frank Klaus, the highly regarded European craftsman, now based in America, states that once mastered, the handplane becomes the most important tool in your workshop. James Krenov, regarded by many as the most influential craftsman in fine woodworking in the last 30 years, likens the plane to the violin in an orchestra, the instrument that sets the tone of a piece. If that's not enough, planes, properly used, can make your woodworking more enjoyable. Certainly, your workshop becomes a quieter and cleaner place.

In short, there is no substitute for a well sharpened and finely tuned handplane.

**PETER GEDDES** is a Brisbane-based woodworker. He formerly taught classes in handplane usage entitled 'Making Friends With Your Handplane' at Carbatec in Brisbane.

## Some of Peter's top tips for using your handplane:

### Bench height

Bench height is important. You need to be able to apply appropriate downward pressure as you push the plane forward. A high bench restricts you to using the weaker muscles in your arms, your plane strokes are jerky and hesitant and you tire quickly. A lower bench, on the other hand, enables you to use your torso and leg muscles, thereby allowing you to work more comfortably for much longer without tiring. Most benches are about 34 ½ inches, which is possibly an inch or so too high for shorter woodworkers and too low for the six footers. Try experimenting with the height of your bench. Getting it right can make a significant difference.

### Skewing the plane

Skewing, or holding the plane at an angle to the direction of the stroke, feels natural and has important advantages. It lowers the cutting angle, thereby making the plane easier to start and to push and provides an additional slicing action. However, there is also an important disadvantage - when working wood that is inclined to tear out, particularly where the grain rises quickly, skewing will worsen the problem. The answer is to straighten the plane in those spots that tear out, or even reverse it. Skew the plane only to the extent that you can keep the entire length of the sole supported on the workpiece. This means it is rarely more than 30 degrees. Right handers skew to the left and vice versa.

### Waxing the sole

Steel planes don't slide over wood as smoothly and easily as wooden ones. Rubbing the sole of your steel plane with candle wax (a couple of strokes only) dramatically reduces the friction. If you have a lot of planing to do, then an 'oil wick' is a better method. It consists of a rolled up piece of felt standing up on edge in a jar or inserted in a block of wood. A small quantity of linseed oil is applied to the wick which is placed so that you can drag the plane's sole over it on the return stroke. Be very sparing on the oil. It is most difficult to apply some finishes over oily wood.

### Sharpening

Most woodworkers appreciate the importance of a sharp blade. The subject of sharpening is large and beyond the scope of a list of tips. However, it is regarded as "good practice" to stop frequently and freshen up the blade, particularly when using a smoothing plane. It is better to keep the blade as sharp as possible, rather than struggle on with a half blunt one and risk, amongst other things, tear out. Many a project has been delayed by unwanted tear out in the final stages. If you have your sharpening stones nearby and ready to use, then it is entirely possible to stop, touch up the blade and be back at work within two minutes.

# HANDTOOLS & HANDPLANES

## BLOCK PLANES



### Veritas Low-Angle Block Plane

This is the best low angle block plane on the market, hands down. Its higher side wings are ideal for shooting and the multiple finger grips on each side

provide optimal control. The combined blade advance and lateral adjustment is more sensitive and more accurate than any other adjustment mechanism. This is further maximised by two blade guide screws that prevent blade shifting. The adjustable nosepiece does not extend beyond the body - this means that it cannot be driven back into a sharp blade by an unexpected knock.

With a 150mm x 50mm (6 x 2) wide body made from ductile cast iron, it can take hard knocks without cracking. All of the machining is done to a high level of accuracy within Veritas' factory. The accurately milled sides and sole are surface-ground to a high degree of finish. It has the usual low bed angle (12° in this case) and compact size of other low angle block planes. The A2 tool steel blade is 3.2mm (1/8) thick and 41mm (1-5/8) wide.

ITEM NO.	DETAILS	PRICE
05P22-01		\$259.00



### Veritas Block Plane

Veritas now offer a standard block plane that is based on the same design as their low angle block plane. Preferred for general purpose work, the 20 degrees bed angle plus the 25 degrees bevel angle and the bevel up

blade provide an effective cutting angle of 45 degrees, the same angle found in most bench planes.

A low profile lever cap means the plane sits well in your hand, at only 1/8inch (3.2mm) higher than the low angle plane. Mechanically, it shares many of the same features: a combined blade advance and lateral adjustment, blade guide screws, an adjustable nosepiece, a 6inch x 2inch (150mm x 50mm) footprint and a 1/8inch thick x 1-5/8inch wide (3.2mm x 41mm) A2 tool steel blade.

ITEM NO.	DETAILS	PRICE
05P22-30		\$259.00



### Veritas Apron Plane

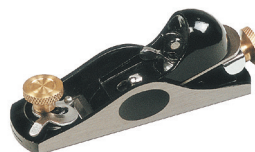
This small, low-angle block plane is ideal for trim carpentry. At 14 oz it is half the weight of a standard block plane, a big plus if you carry it in your apron all day.

The 5-1/2" x 1-3/4" ductile cast iron body takes knocks in stride. It has good hand feel; unique side wings allow a comfortable firm grip and provide stability for shooting. A combined feed and lateral adjustment mechanism makes setting easy and accurate. 12° bed angle. A split-leather holster with brass fittings is sold separately. It keeps your apron plane close at hand while working and protects it from damage.

ITEM NO.	DETAILS	PRICE
05P27-71	Plane with PM-V11 Blade	\$169.00
05P27-72	Replacement PM-V11 Blade	\$51.00
05P27-02	Plane with A2 Blade	\$159.00
05P27-04	Replacement A2 Blade	\$44.00
05P27-06	Toothed A2 Blade	\$48.00
67K73-16	Leather Apron Plane Holster	\$41.00

Please note: Due to recent CITES regulations on the supply of Rosewood globally, Veritas are changing their timber components to Torrefied Maple. This change is ongoing and your purchase may be supplied with either Rosewood or Torrefied Maple.

### Groz Economy Low-Angle Block Plane



These are small planes that are especially useful for working on end grain and for small chamfering and spot planing jobs. It has a cast iron body

and lever cap for durability and long life, a lateral adjust lever and precisely ground bases.

The plane requires final tuning and honing before use. The low angle block plane - overall length: 157mm, blade width: 35mm, blade angle: 13 degrees. Adjustable mouth for fine or coarse work, best for fine trim work, chamfering or end grain planing.

ITEM NO.	DETAILS	PRICE
GZ-605N		\$69.00



### Groz Economy Standard Block Plane

These are small planes that are especially useful for working on end grain and for small chamfering and spot planing jobs. It has a cast iron body

and lever cap for durability and long life, a lateral adjust lever and precisely ground bases.

The plane requires final tuning and honing before use. The standard block plane - overall length: 178mm, blade width: 41mm, blade angle: 21 degrees. Best suited for general purpose use. Adjustable mouth for fine or coarse work, best for fine trim work, chamfering or end grain planing.

ITEM NO.	DETAILS	PRICE
GZ-220N		\$59.00

### Veritas DX60 Block Plane



This block plane is one of the finest planes that Veritas has ever made. It is made to exacting standards and features newly refined stainless-steel hardware.

The knob and wheel have elegant elliptical knurled edges for a firm grip. The lever cap has been extensively redesigned to integrate cleanly with the plane body and provide an almost continuous hand contact surface, with tactile cues for finger placement. The Norris-type adjuster mechanism combines feed and lateral adjustments, making blade setting accurate and easy. The adjuster is locked to the body, and will not become inadvertently unseated. Mouth adjustment is effected by loosening the stainless-steel locking knob. An unobtrusive set screw in the throat of the plane allows repeatable mouth positioning while at the same time preventing the movable toe from contacting the blade. The toe is completely enclosed by the body casting. The contoured body is 178mm long by 44.5mm wide, and has a 12 degree bed angle.

ITEM NO.	DETAILS	PRICE
05P70-01	Plane with A2 Blade	\$329.00
05P70-03	Replacement A2 Blade	\$60.00
05P70-07	Replacement PM-V11 Blade	\$86.00



## Veritas Skew Block Plane

This is a truly versatile plane. It excels at trimming rabbets, working end grain, or making final jointing cuts on boards, plus you can use it in all the ways you would a regular block plane.

The blade is skewed at a 15 degrees angle, which makes cutting easier, either with or across the grain, and helps pull the fence tight against the work. Because the blade sits flush with the side of the body, corner cuts are clean and accurate. A Norris-style adjuster combines feed and lateral positioning for easy, precise blade setting. Set screws on either side of the blade prevent the blade from shifting in use. A scoring spur ahead of the blade reduces tear-out on cross-grain work, it is adjustable for depth and projection and can be recessed when working with the grain.

ITEM NO.	DETAILS	PRICE
05P76-01	Right-Hand	\$349.00
05P76-02	Replacement A2 Right-Hand Blade	\$41.00
05P77-01	Left-Hand	\$349.00
05P77-02	Replacement A2 Left-Hand Blade	\$41.00
05P76-62	Optional Fence Rod, 3-1/2"	\$12.00



## Veritas Chamfer Guide for Block Planes

You can convert Veritas' block standard angle and low-angle block planes into a chamfer plane in seconds with this brilliant guide. Installation is easy - you first set the chamfer width on the guide, then you install the guide by unscrewing the front knob of the plane, replacing the toe piece with the

chamfer guide and then tightening the knob again. It's then ready to go. Adjustable for chamfers up to 1/2inch wide, the guide wings are fixed at 90 degrees to hold the plane body at a consistent 45 degrees to the work face. Made of anodised aluminium. Plane not included.

ITEM NO.	DETAILS	PRICE
05P22-10		\$42.00

## BEVEL-UP PLANES



## Veritas Small Bevel-Up Smooth Plane

With a size comparable to a #3 bench plane, this low angle smoother is 228mm long, 58mm wide and weighs only 1.25kg. It is smaller and lighter than a full-size smoother, so is easier to manoeuvre and is less fatiguing to

use for extended periods with a narrower blade at 44mm wide, cuts are easier to push through.

Like full size versions, it is useful for final finishing of surfaces, end grain work and for shooting mitres. The machined and surface ground ductile cast iron body has a 12deg bed angle and a movable toe fully enclosed by the body casting.

The locking front knob controls the toe to set the mouth opening, while an unobtrusive stop screw in the throat allows repeatable mouth setting and prevents contact between the blade and toe. The Norris style adjuster mechanism combines feed and lateral adjustments, making blade setting accurate and easy. Set screws on either side of the blade prevent shifting in use. The front knob and rear handle are hardwood.

ITEM NO.	DETAILS	PRICE
05P39-01	Plane with A2 Blade	\$329.00
05P39-02	1-3/4", 25° Bevel A2 Blade	\$54.00
05P39-03	1-3/4", 38° Bevel A2 Blade	\$54.00
05P39-04	1-3/4", 50° Bevel A2 Blade	\$54.00
05P39-06	1-3/4" Coarse Toothed Blade	\$69.00
05P39-72	1-3/4", 25° Bevel PM-V11 Blade	\$75.00



## Veritas Bevel-Up Smoother Plane

The generous width and weight of this smoother with the versatile inner workings of a low-angle bevel-up plane in the coffin-shaped body, with a 254mm x 79mm sole (2.23Kg), is made of fully stress-relieved ductile cast iron and has an exceptionally low centre of gravity for smooth, stable cutting action.

Accurately machined, the sole is flat and square to the sides. The 12deg bed angle, coupled with the 38deg blade bevel, yields an effective cutting angle of 50deg, often referred to as a York pitch. This is an ideal starting angle for minimising tearout on difficult wood and awkward grain patterns. For the most difficult grains, even higher cutting angles can be achieved, either by honing the blade with a higher micro-bevel or using one of the optional blades below.

The adjustable mouth can be closed to a narrow slit for fine shavings with minimum tearout or opened for heavier cuts. A stop screw in the throat adjusts to whatever mouth opening you find ideal for chip breaking and chip clearance. This lets you open the mouth fully for blade removal (for honing) and replacement, yet quickly restores your exact mouth setting. The large hardwood front knob and rear handle provide both comfort and excellent control. The adjustment mechanism, with its combined feed and lateral adjustment knob, makes blade setting easy and accurate. Set screws prevent the blade from shifting, but allow full lateral adjustment. Includes a lapped 38deg blade, 57mm wide by 4.7mm thick, A2 tool steel. Lapped 25deg and 50deg blades are available, as well as a toothed A2 blade for working difficult grains.

ITEM NO.	DETAILS	PRICE
05P36-01	Plane with A2 Blade	\$379.00
05P34-02	2-1/4", 25° Bevel A2 Blade	\$65.00
05P34-03	2-1/4", 38° Bevel A2 Blade	\$65.00
05P34-04	2-1/4", 50° Bevel A2 Blade	\$65.00
05P34-06	2-1/4" Coarse Toothed Blade	\$77.00
05P34-72	2-1/4", 25° Bevel PM-V11 Blade	\$86.00
05P34-73	2-1/4", 38° Bevel PM-V11 Blade	\$86.00
05P34-74	2-1/4", 50° Bevel PM-V11 Blade	\$86.00



## Veritas Low-Angle Smooth Plane

The K194 Low-Angle Smooth Plane features allow cutting angle of 37deg which minimises fibre tearing, making it ideal for end grain work. Its bed angle of 12deg and standard blade bevel of 25deg making using this plane for

shooting an ideal choice with the generous side wings.

The cast-iron body is 254mm x 63mm, and weighs in at 1.6Kg. Includes a lapped 25deg bevel blade, 51mm x 3.2mm thick, A2 tool steel. For working difficult grain, lapped 38deg and 50deg blades and a toothed A2 blade are available.

If you have never owned a low-angle smooth, you will find it a delight to use and one of your favourite planes. Patented. .

ITEM NO.	DETAILS	PRICE
05P25-01	Plane with A2 Blade	\$349.00
05P25-02	2", 25° Bevel A2 Blade	\$54.00
05P25-03	2", 38° Bevel A2 Blade	\$54.00
05P25-04	2", 50° Bevel A2 Blade	\$54.00
05P25-72	2", 25° Bevel PM-V11 Blade	\$75.00

# HANDTOOLS & HANDPLANES

## BEVEL-UP PLANES



### Veritas Bevel-Up Jointer Plane

The Veritas low-angle jointer is the largest member of our bevel-up bench plane family. At 22" x 2-7/8" and weighing 7 lb 8 oz, it is ideal for jointing edges and flattening large panels.

The body is fully stress-relieved ductile cast iron, with a sole that is flat and square to the sides. An adjustable throat plate allows a wide range of mouth adjustment. Our unique stop-screw retains mouth settings while preventing blade damage when removing and replacing blades.

The bevel-up blade configuration results in a plane that is versatile and straightforward to use. The 12° bed angle, coupled with the 25° blade bevel, creates an effective cutting angle of 37°. Simply increasing the blade bevel results in higher cutting angles for improved performance in more difficult-grained woods.

Includes a lapped 3/16" (0.187") thick blade, 2-1/4" wide, in your choice of A2, O1 or PM-V11® tool steel. For working difficult grain, lapped 38° and 50° blades and a toothed A2 blade are available.

The optional low-angle jointer fence enables you to shoot consistent and accurate square or bevelled edges with your Veritas bevel-up jointer. The 11" long anodized aluminum fence can be attached to either side of the plane with the brass thumbscrews provided; a set screw can be adjusted to square the fence to the sole.

As supplied, the 2" tall guiding face can be used to plane edges perfectly square to the face of your workpiece. It can also be used to shoot angles less than 90° when a bevelled wooden guide is attached to the inside face of the fence.

ITEM NO.	DETAILS	PRICE
05P37-01	Plane with A2 Blade	\$479.00
05P37-05		\$66.00
05P34-02	2-1/4", 25° Bevel A2 Blade	\$65.00
05P34-03	2-1/4", 38° Bevel A2 Blade	\$65.00
05P34-04	2-1/4", 50° Bevel A2 Blade	\$65.00
05P34-06	2-1/4" Coarse Toothed Blade	\$77.00
05P34-72	2-1/4", 25° Bevel PM-V11 Blade	\$86.00
05P34-73	2-1/4", 38° Bevel PM-V11 Blade	\$86.00
05P34-74	2-1/4", 50° Bevel PM-V11 Blade	\$86.00



### Veritas Bevel-Up Jack Rabbet Plane

This plane takes large-scale rabbeting work in stride. Weighing 2.7kg, with a full-width mouth and 15-1/8inch long body similar to that of a jack plane, it

is suitable for very large rabbets and fielded or bevelled panels-anywhere you need to make a long, wide cut that would require major effort with a smaller rabbet or shoulder plane.

The long sole and substantial mass help ensure accuracy, it will not follow the bumps and valleys that a shorter plane would, and the 4-3/4inch toe registers solidly to the workpiece. Set flush to both sides of the 2-1/4inch wide body, the 3/16inch thick bevel-up blade makes right- or left-handed corner cuts cleanly and accurately. The 15 degrees bed angle, coupled with the 25 degrees blade bevel, yields an effective cutting angle of 40 degrees. Scoring spurs on either side of the body scribe the cut ahead of the blade, minimizing tear-out on cross-grain work. Adjustable for depth and projection, the spurs can be recessed for working with the grain or to ensure that the outside

ITEM NO.	DETAILS	PRICE
05P53-01		\$519.00

Please note: Due to recent CITES regulations on the supply of Rosewood globally, Veritas are changing their timber components to Torrefied Maple. This change is ongoing and your purchase may be supplied with either Rosewood or Torrefied Maple.

### Veritas Low-Angle Jack Plane



The Veritas low-angle jack plane is ideal for shooting miters, working end grain, and initial smoothing. We have designated it as a 62-1/2 because of its generous size and weight, low center of gravity, and radically set-back mouth. This is a bevel-up plane, with a 12° bed angle similar to a low-angle block plane.

The plane is 15" long, 2-3/4" wide and weighs in at 5 lb 12 oz. You will appreciate the way this plane (with a toe that is one third the length of the sole) registers to the workpiece. The body is fully stress-relieved, ductile cast iron. With sides machined square to the sole, a specially shaped lever cap, and the machined thumb recess on either side of the body, it provides both comfort and excellent control when shooting.

The plane's adjustable mouth can be closed to a narrow slit for fine shavings with minimum tear-out or opened for heavier cuts. All of this can be done quickly and accurately with the front locking knob and the unique mouth adjustment screw. The large hardwood front knob and rear handle provide a comfortable grip. The adjustment mechanism, with its combined feed and lateral adjustment knob, makes blade setting easy and accurate. The set screws on either side of the blade prevent it from shifting in use, but allow full lateral adjustment.

ITEM NO.	DETAILS	PRICE
05P34-01	Plane with A2 Blade	\$399.00
05P34-71	Plane with PM-V11 Blade	\$409.00
05P34-02	2-1/4", 25° Bevel A2 Blade	\$65.00
05P34-03	2-1/4", 38° Bevel A2 Blade	\$65.00
05P34-04	2-1/4", 50° Bevel A2 Blade	\$65.00
05P34-06	2-1/4" Coarse Toothed Blade	\$77.00
05P34-72	2-1/4", 25° Bevel PM-V11 Blade	\$86.00
05P34-73	2-1/4", 38° Bevel PM-V11 Blade	\$86.00
05P34-74	2-1/4", 50° Bevel PM-V11 Blade	\$86.00

## BENCH PLANES

### Veritas #4 Smooth Plane

A smoothing plane with three uses. First, it can be used to smooth large surfaces, preferably taking a diagonal cut, partly across and partly along the grain. In addition, with its generous side swings, it is ideal for shooting mitres. Finally, it is an excellent choice for end grain work of any kind.

The low cutting angle minimises fibre tearing in all three of these applications. With a bed angle of 12deg, this is a 'bevel-up' plane, much like a low angle block plane. The blade is 50mm (2") wide and the ductile cast iron body measures 267 x 63mm (10-1/2" x 2-1/2"). Overall weight is just over 1.6kg. If you have never owned a low-angle smoother, you will find it a delight to use and it will become one of your most prized hand planes. Patented design.

ITEM NO.	DETAILS	PRICE
05P26-01		\$369.00

## Groz Smoothing Plane - No. 4



These economical models have most of the features of their more expensive counterparts.

They include fully ground soles and sides, hardwood handles, ductile cast iron construction and tool steel blades. Planes require final tuning and blades require final honing before use.

ITEM NO.	DETAILS	PRICE
GZ-39701	No. 4	\$69.00
GZ-39702	No. 5	\$99.00

## Veritas #4-1/2 Smoothing Plane



An excellent plane for the final smoothing of a surface already worked by other planes or a thickness planer, with the mass needed for an effective smoother.

Like all our Veritas bench planes, the #4-1/2 smoothing plane incorporates a frog that extends all the way to the

sole. This unique design provides complete blade support that reduces chatter and allows quick mouth adjustment. It can be closed to a narrow slit for fine shavings and minimum tear-out, or opened for heavier cuts, all without removing the lever cap or other parts, just loosen two screws and set the opening with the thumb wheel.

The body is fully stress-relieved ductile cast iron. The surface-ground 254mm x 73mm sole is flat and square to the sides, with extra-large side wings for stable shooting. The hardwood front knob and rear tote provide excellent control and comfort. A combined feed and lateral adjustment mechanism make blade setting easy and accurate. The 60mm wide lapped blade is a full 3.2mm thick, made in your choice of A2 tool steel.

ITEM NO.	DETAILS	PRICE
05P23-01	Plane with A2 Blade	\$399.00
05P23-02	2-3/8" A2 Blade	\$74.00
05P23-72	2-3/8" PM-V11 Blade	\$94.00

## Veritas #5-1/4W Bench Plane



Traditionally the #5-1/4W was referred to as a 'junior jack'. At 300mm (12") in length, it fell between the #4 10" smoothing plane and the #5 14" jack plane.

Veritas' #5-1/4W varies from the traditional type in numerous ways, but the main difference is that this one has a 2" wide blade (rather than a 1-3/4") and the mouth is 4-1/2" behind the nose, rather than the original's 3-1/2". This extra sole length in front of the blade makes it easier to cut accurately as it's easier to keep the sole flush against the face of your workpiece when you start a cut. This combination (as well as a sensitive feed adjustment) allows this plane to serve as a jointing plane for most cabinet work. Weighs just under 2.3 kg.

ITEM NO.	DETAILS	PRICE
05P24-01	Plane with A2 Blade	\$399.00
05P24-02	2" A2 Blade	\$69.00
05P24-72	2" PM-V11 Blade	\$89.00

## Veritas #6 Fore Plane



This is one of the largest planes in the Veritas range, the Veritas #6 Fore Plane is the plane for flattening large surfaces, whether they are panels, table tops, benches or other large surfaces. Its long sole rides over the high spots, and not able to get into the lower areas that smaller planes would.

Like all our Veritas bench planes, the frog that extends all the way to the sole. This unique design provides complete blade support, reducing chatter and allows quick mouth adjustment. It can be closed to a narrow slit for fine shavings and minimum tearout, or opened for heavier cuts, all without removing the lever cap or other parts, just loosen two screws and set the opening with the thumb wheel.

The body is fully stress-relieved ductile cast iron. The surface-ground 457mm x 73mm sole is flat and square to the sides, with extra-large side wings for stable shooting. The hardwood front knob and rear tote provide excellent control and comfort. A combined feed and lateral adjustment mechanism make blade setting easy and accurate. The 60mm wide lapped blade is a full 3.2mm thick, A2 tool steel.

ITEM NO.	DETAILS	PRICE
05P28-01		\$439.00

## Groz Jointing Plane - No. 7



Fitted with genuine rosewood handles and brass knobs. 75mm wide x 550mm long. Weight: 3.9kg.

ITEM NO.	DETAILS	PRICE
GZ-39704		\$169.00

## Veritas Scrub Plane



The Veritas Scrub Plane should be the tool of choice for major stock removal, and used at an angle of 30deg or more, rather than the traditionally parallel to the grain. The blade edge is ground with a 3" radius, allowing it take an aggressive cut. This is the tool needed to get stock into a condition

where you then can use a smooth plane.

The curved cutting edge of the 1-1/2" wide by 3/16" thick blade gives a distinctive, hand-worked texture to the workpiece. This is a single-iron tool, meaning there is no cap iron or chip breaker. Set screws along the side prevent the blade from shifting sideways when it runs into a knot. The blade that is standard with this plane is a high-carbon steel (Rc58-60). Measures 273mm x 57mm and weighs 1.3Kg. The ductile cast iron body is accurately machined and ground so the sole is flat. A refined yet rugged performer.

ITEM NO.	DETAILS	PRICE
05P35-01	Plane with HCS Blade	\$219.00
05P35-05	Replacement A2 Blade	\$79.00



# HANDTOOLS & HANDPLANES

## SPECIALTY PLANES



### Veritas Combination Plane

Combination planes have often been used to perform various functions, and this Veritas Combination Plane 05P59.01 is no different. It has been designed from scratch, unlike other combination planes that were usually adapted and then modified, often making them clumsy and awkward to use and setup.

Whether it is beading, coving, trenching or one of many other types of profiles you are doing, this definitely is the plane that you are looking for. With over 50 different blades in both metric and imperial sizes to suit this one plane, there is not much it cannot handle.

Available blades allow the user to do straight forward trenching with blades up to 3/4" wide in either metric or imperial sizes, beading in Imperial sizing up to 1/2", fluting in Imperial sizing up to 1/2". To make this plane extra versatile, Reeding Blades available in two, three and four reed versions, and Tongue Cutting Blades in Metric and Imperial up to 1/4" are also available. Simply set the desired blade to create trenches or rebates to house shelves or other joints, make perfectly fitting tongue and groove joints, or flutes, or even decorative reeds in multiples up to 3 and 4.

ITEM NO.	DETAILS	PRICE
05P59-01	Plane	\$629.00
05P51-04	1/4"	\$30.00
05P59-02	Replacement Scoring Spur - 2pk	\$34.00
05P59-04	Storage Box	\$69.00



### Veritas Small Plow Plane

The Veritas Right Hand Small Plow Plane has been redesigned, previously an awesome choice for grooves, rebates and tongues, it is now capable of doing decorative beading. The 168mm long fence registers against the workpiece for accurate planning, it has even been predrilled allowing an

alternative fence to be fitted.

Large brass knobs allow the easy fitting of blades, with dual guide rods and a special collet locking system both assisting in preventing racking during use. The adjustable shoe, which is secured by a brass knob, controls the depth of the groove or rebate to a maximum of 12.7mm and has relieved edges to avoid marking your work.

The large ergonomic wooden handle has been well designed to make controlling the 800gram, 228mm long ductile cast-iron body. Its blade bed has machined at 45 deg. Designed to take Tongue Cutters, to make tongue and groove joints, Beading cutters to make decorative beads, or straight cutters in either Metric from 3mm to 18mm, or Imperial from 1/8" to 3/4".

Both right and left Plow Planes are pictured, you are looking at the Right Plow Plane as indicated in the picture.

ITEM NO.	DETAILS	PRICE
05P58-01	Right-Hand Plane	\$389.00
05P58-40	Left-Hand Plane	\$389.00

Blades for the Veritas Combination and Small Plow planes can be found in the following table.

### Standard and Wide Blades for Veritas Small Plow Plane and Combination Planes



If you own our small plow plane (or a Record 405 or Stanley 45/55), you may already have a collection of blades that you can use in our combination plane, which can use any of the right-hand blades and wide blades offered for our small plow plane, as well any Record 405 and Stanley 45/55 blades.

All standard and wide blades are made from A2 tool steel. Our standard blades are available in right- or left-hand versions in 1/8", 3/16", 1/4", 5/16" and 3/8" or 4mm, 5mm, 6mm, 7mm, 8mm and 10mm widths. Our wide blades are available in 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4" or 12mm, 16mm and 18mm widths; the small plow plane requires a wide-blade conversion kit (see below) for use of all wide blades. While the blades for the small plow plane are handed, all the right-hand blades for the combination plane are usable for right- or left-handed cuts simply by changing the side of the plane the fence is mounted on. All blades are available individually or in sets. Made in Canada.

#### Rabbet Blade for Combination Plane

Suitable for use only with our combination plane, our 1-1/16" wide PM-V11® rabbeting blade lets you cut rabbets up to 1". Made in Canada.

#### Veritas® Wide-Blade Conversion Kit for Plow Plane

For use only with the Veritas® small plow plane, this conversion kit allows the plane to accommodate our tongue-cutting blades, as well as our straight blades over 3/8" wide. Designed to clamp and support both sides of the cutter to prevent twisting in use, the kit is composed of a 5" long machined ductile iron skate with a brass locking knob and a parallel adjustment screw (used to ensure the skate is aligned with the fence). Easy to install or remove from the guide rods, the kit is available in right- and left-hand versions to match our small plow plane.

### Standard Blades - Right-Hand

ITEM NO.	DETAILS	PRICE
05P51-02	1/8"	\$30.00
05P51-03	3/16"	\$30.00
05P51-04	1/4"	\$30.00
05P51-05	5/16"	\$30.00
05P51-06	3/8"	\$30.00
05P51-34	4mm	\$30.00
05P51-35	5mm	\$30.00
05P51-36	6mm	\$30.00
05P51-37	7mm	\$30.00
05P51-38	8mm	\$30.00
05P51-40	10mm	\$30.00

### Standard Blades - Left-Hand

ITEM NO.	DETAILS	PRICE
05P52-02	1/8"	\$30.00
05P52-03	3/16"	\$30.00
05P52-04	1/4"	\$30.00
05P52-05	5/16"	\$30.00
05P52-06	3/8"	\$30.00
05P52-34	4mm	\$30.00
05P52-35	5mm	\$30.00
05P52-36	6mm	\$30.00
05P52-37	7mm	\$30.00
05P52-38	8mm	\$30.00
05P52-40	10mm	\$30.00



## Veritas Wide Blades (Requires Conversion Kit below)

ITEM NO.	DETAILS	PRICE
05P51-77	7/16"	\$34.00
05P51-78	1/2"	\$34.00
05P51-79	9/16"	\$34.00
05P51-80	5/8"	\$34.00
05P51-81	11/16"	\$34.00
05P51-82	3/4"	\$34.00
05P51-42	12mm	\$34.00
05P51-46	16mm	\$34.00
05P51-48	18mm	\$34.00

## Veritas Rabbet Blade for Combination Plane

ITEM NO.	DETAILS	PRICE
05P51-87		\$33.00

## Veritas Wide-Blade Conversion Kits

ITEM NO.	DETAILS	PRICE
05P51-60	Suits Right-Hand Plane	\$69.00
05P52-60	Suits Left-Hand Plane	\$69.00



## Veritas Blade Roll for Small Plow Plane

Made from double-layered polyester for durability, and measuring at 228mm x 430mm, this is the ideal way to store and transport your collection of Plow

Plane blades. All pockets are labelled in sizes, with two spare pockets for extra blades, as well as pockets for the conversion kit. All blades are protected by internal flaps, and the roll is then secured using heavy duty ties for storage or transportation. Note: Roll only.

ITEM NO.	DETAILS	PRICE
50K60-20		\$24.00

## Veritas Mitre Plane



The Veritas Miter Plane with a PM-V11&reg, steel blade has been designed to be used upright, or on either side. A shooting horn is attached when using on the side to make handling this plane comfortable.

The weight and mass of the plane gives good inertia and momentum to give a good result. Its sides are machined square to the sole, and made

from fully stress-relieved, duct cast iron. It's 66.6mm wide, 267mm long and 2.2Kg. The mouth can be opened up, or closed depending on the job at hand. Generally, a larger gap copes better with heavier cuts, and a smaller gap is better for fine shavings to reduce tear out. Being a bevel-up plane, it has a low bed angle of 12 deg, 25 deg blade angle giving a cut angle of 37deg giving good clean end cuts. The PM-V11, blade is 51mm wide (2"), and 4.76mm thick (3/16") thick. A light none is recommended even though they are already lapped. Available also in O1 tool steel. Veritas us a Norris adjuster, which allows for quick and easy adjusting of the blade, with two blade guide screws preventing lateral movement.

ITEM NO.	DETAILS	PRICE
05P56-71	Plane with PM-V11 Blade	\$529.00
05P56-72	Replacement 2" PM-V11 Blade	\$87.00



## Veritas Shooting Plane

For a shooting plane, you can do no better. This plane is big, and has a long base (400mm) and low centre of gravity, these combined make it both stable and effective at its job. While it is heavy at 3.5Kg, it is not difficult or tiresome

to use as you are just pushing and pulling it in its track.

The combined 12 deg bed angle and 25 deg blade bevel, gives an effective cutting angle of 38 deg. The body is fully stress-relieved, ductile cast iron, makes the body less brittle, and able to cope with the stress and forces placed upon such a plane.

The angle of the blade gives a shear cut which is easier on the timber and blade. The Norris-style mechanism combines feed and lateral adjustments for easy, precisely setting the blade.

The PM-V11 blade is easy to sharpen, will stay sharp longer and is more impact resistant.

ITEM NO.	DETAILS	PRICE
05P54-71	Right-Hand Plane with PM-V11 Blade	\$549.00
05P55-71	Left-Hand Plane with PM-V11 Blade	\$549.00
05P34-72	2-1/4", 25° Bevel PM-V11 Blade	\$86.00



## Veritas Cabinetmaker's Trimming Plane

Commonly called a chisel plane, this 6-1/2inch long by 1-3/4inch wide plane has an exposed full-width blade that lets you work up to adjacent surfaces.

It excels at making paring cuts in places where a chisel would be awkward or impossible to use, making short

work of cleaning up corners and joints inside carcasses.

ITEM NO.	DETAILS	PRICE
05P74-01		\$219.00

## Veritas Flush Plane



The Veritas Flush Plane features a 2" wide blade that is held in place by a 1" rare earth magnet, rather than the expected screws. This is a simple system that allows the blade to be removed and turned around so it can be stored easily or put in a pocket between uses without injury or damage.

This is a plane designed with the blade resting on the timber, so it can easily trim any projections such as glue lines, laminate edges, and plugs, and even get into and clean out inside corners that a conventional plane has no chance of getting near.

At just 227g, the tough ergonomic ABS body takes thrust loads, and is comfortable to use. A steel pin moulded into the base positions the blade, preventing it from moving during use.

ITEM NO.	DETAILS	PRICE
05P20-01	Plane	\$68.00
05P20-02	Replacement Blade	\$39.00



# HANDTOOLS & HANDPLANES

## SPECIALTY PLANES

### Veritas Router Plane



The Veritas router plane is an invaluable tool for work on stopped or through dados and grooves, or for any work that requires an area cut to a precise depth.

The blade depth is regulated by a fine screw feed that travels 1/32" per turn for precise adjustment, with the resulting depth of cut controlled by a

locking depth stop. Unique to the Veritas router plane is a spring-loaded blade-clamping collar that holds the blade in position when the collar is loosened. It provides tactile feedback, allowing controlled blade adjustment to a depth of 1". The collar can also be set to fully release for quick and easy blade removal, for repositioning in front of the post for general work, behind the post for bullnose applications, or laterally (left or right) for work on hinge gains.

ITEM NO.	DETAILS	PRICE
05P38-01	Plane	\$269.00
05P38-07	Optional Fence	\$38.00
05P38-10	Handle Hardware Kit	\$14.00

### Veritas Medium Router Plane



Slightly larger than our small router plane (05P38-50), this tool has the advantage of using the same blades as our full-size router plane (item #05P38.01), letting you use the complete range of blade sizes we offer\*.

For general use, the blade may be positioned inboard with the sole encircling it for maximum registration on the workpiece, even when approaching from the side or working an edge. This allows it to bridge recesses, providing great stability even on narrow stock. The blade can also be used in an outboard configuration, with the blade extending past the body, for bullnose applications. The blade-clamping knob uses a wave washer to hold the blade as it is loosened, for easy, controlled depth adjustment.

Includes: 1/4" wide blade

ITEM NO.	DETAILS	PRICE
05P38-63		\$199.00

### Veritas Hinge Mortise Plane



This tool gives you the precise depth control of a router plane but with a long, narrow sole for good registration on door edges and other narrow workpieces.

By establishing the edges with a chisel, you can cut a crisply defined mortise without the need for a template or jig

- in many cases, more efficiently than a power router. The large slot in the body lets you clearly see where you're cutting.

ITEM NO.	DETAILS	PRICE
05P38-70	Plane	\$249.00
05P38-71	3/4" Straight Blade	\$33.00

### Veritas Blades and Accessories for Medium Router Plane, Standard Router Plane and Hinge Mortise Plane

ITEM NO.	DETAILS	PRICE
05P38-04	1/2" Straight Blade	\$28.00
05P38-05	1/2" Spear-Point Blade	\$28.00
05P38-71	3/4" Straight Blade	\$33.00
05P38-08	Sharpening Jig for Wide Blades	\$8.00
05P38-21	1/16" Straight Blade	\$28.00
05P38-23	3/32" Straight Blade	\$28.00
05P38-24	1/8" Straight Blade	\$28.00
05P38-26	3/16" Straight Blade	\$28.00
05P38-03	1/4" Straight Blade	\$28.00
05P38-42	Set of 5 Imperial Blades	\$119.00
05P38-32	2mm Straight Blade	\$28.00
05P38-34	4mm Straight Blade	\$28.00
05P38-35	5mm Straight Blade	\$28.00
05P38-36	6mm Straight Blade	\$28.00
05P38-43	Set of 5 Metric Blades	\$119.00

### Veritas Inlay Cutter Head for Router Plane



This simple attachment for a Veritas router plane (05P38-01) lets you score a shallow groove to accept inlaid purfling, banding or stringing, taking advantage of the plane's fence and depth-adjustment mechanism to precisely control groove position and depth.

ITEM NO.	DETAILS	PRICE
05P38-45		\$91.00

### Veritas Small Router Plane



When doing woodworking with traditional woodworking tools, the Veritas router plane should be one of those tools first selected. It should be the tool used when doing stopped or through dados and grooves, and blind dovetails or for any work that requires an area cut to a precise depth.

This smaller router plane is good for tight space, with the blade able to face in either position in order to get into corners. The comfortable cast iron body is accurately machined and features a lapped sole, measuring at 82mm wide and 57mm deep, with a 6.35mm wide high-carbon steel blade. Weighs 220g.

ITEM NO.	DETAILS	PRICE
05P38-50	Plane	\$93.00
05P38-51	Replacement Blade	\$17.00
05P38-52	Optional Depth Stop	\$12.00



**veritas**  
Innovation in tools



## Veritas Skew Rabbet Plane

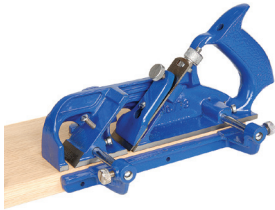
Also known as a moving fillister, this rabbeting plane cuts quickly and quietly, avoiding the set-up, noise and dust associated with power tools. Like the Stanley #289 that inspired it, it is configured with a blade skewed at a 30 degrees angle to reduce cut resistance, aid in shaving clearance, and 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.

Adjustable in two axes (vertical and horizontal) for depth and projection, the scoring spur sits ahead of the blade and is used to reduce tear-out on cross-grain work. The spur can be recessed for work with the grain. The 7-3/8inch long fence is through-drilled to accept a wooden extension. Double guide rods and a special collet locking system prevent the fence from racking, and the large brass knobs allow fast and easy adjustments without tools. The fence can be positioned to allow a maximum rabbet width of 1-1/2inch.

Adjustable in two axes (vertical and horizontal) for depth and projection, the scoring spur sits ahead of the blade and is used to reduce tear-out on cross-grain work. The spur can be recessed for work with the grain. The 7-3/8inch long fence is through-drilled to accept a wooden extension. Double guide rods and a special collet locking system prevent the fence from racking, and the large brass knobs allow fast and easy adjustments without tools. The fence can be positioned to allow a maximum rabbet width of 1-1/2inch.

ITEM NO.	DETAILS	PRICE
05P45-77	Right-Hand Skew Plane	\$419.00
05P45-78	Left-Hand Skew Plane	\$419.00
05P45-60	Pair of 6" Fence Rods	\$20.00

## Carbatec #778 Duplex Rabbet Plane



The #778 Duplex Rabbet Plane is used for cutting rebates up to 38mm wide, and is guided by an adjustable fence mounted on two guide rods.

It can also be used as a bullnose style plane to help with internal joints with the blade positioned in the forward position. Supplied complete with a

spur for cross-grain cutting and a very usefull depth stop.

ITEM NO.	DETAILS	PRICE
CT-260120		\$99.00



## Veritas Chisel Plane

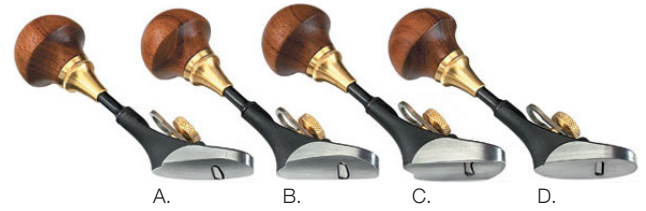
Rabbet planes used to be widely available, but are now being discontinued by manufacturers. We developed this specialized plane to convert a chisel into a rabbet plane.

The body is made of ductile cast iron and is configured to hold a 25mm bevel-edge chisel at a 45deg angle, the same pitch as used on bench planes. It becomes a small plane that works equally well as a shoulder plane

or rabbet plane and can be used to clean up machine-cut rabbets and tenons. It works like a butt mortise plane for cutting hinge gains. It will also cut 25mm dadoes and grooves up to a depth of 9.5mm. Precisely machined, with an overall size is 35mm wide by 140mm long by 63mm high, and featuring a solid brass clamping screw. While it excels as a job-site plane, it is equally handy in the shop.

ITEM NO.	DETAILS	PRICE
05P21-01		\$85.00

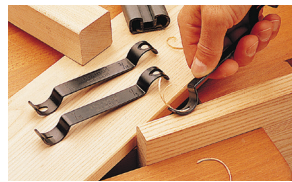
## Veritas Detail Palm Planes



With a height-adjustable palm rest for better in-hand registration, these miniature planes are easily maneuvered and permit fine, controlled cuts.

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 (0.06" thick by 3/8" wide). The soles are approximately 1-1/2" long by 5/8" wide and are available in four profiles.

ITEM NO.	DETAILS	PRICE
05P90-05	A. Double-Convex Palm Plane	\$105.00
05P90-09	B. Convex Palm Plane	\$105.00
05P90-13	C. Concave Palm Plane	\$105.00
05P90-01	D. Flat Palm Plane	\$105.00
05P90-02	Replacement Flat Blade	\$18.00
05P90-06	Replacement Convex/Double-Convex Blade	\$18.00
05P90-14	Replacement Concave Blade	\$18.00



## Veritas Corner Tool Kit

Cuts a fixed radius curve on an edge. Veritas' cornering tools have a different radius cutter at either end. One cuts a 1/16inch (1.6mm) and a 1/8inch (3.2mm) radius and the other cuts a 3/16inch (4.8mm) and a 1/4inch (6.35mm) radius. The cornering tools are accurately ground and are ready for final honing. It also comes with a sharpening system that suits the four different radii plus the 1inch diameter inside curve. Also includes silicon carbide paper and a holding wedge.

ITEM NO.	DETAILS	PRICE
05K50-30		\$57.00



## Veritas Detail Rabbet Planes

These slender pocket-size planes allow fine, controlled cuts in areas you could ordinarily trim only with a chisel. With very narrow soles, they are also

useful for cleaning dados or grooves.

Comfortable and easily maneuvered, they are relatively tall to provide a good gripping surface and have an upswept palm rest for registration in the hand. The ductile cast iron body has a fixed mouth, a 3" long sole, and is accurately machined and ground.

The low 15° bed angle combined with the 30° blade bevel provides a 45° cutting angle. The lapped blade is made of O1 tool steel. A brass, one-piece lever cap/palm rest holds the full-width blade in place.

ITEM NO.	DETAILS	PRICE
05P75-01	6mm Plane	\$110.00
05P75-03	1/4" Plane	\$110.00
05P75-06	8mm Plane	\$110.00
05P75-08	3/8" Plane	\$110.00
05P75-10	10mm Plane	\$110.00
05P75-11	Replacement 6mm Blade	\$18.00
05P75-13	Replacement 1/4" Blade	\$18.00
05P75-16	Replacement 5/16" Blade	\$18.00
05P75-18	Replacement 3/8" Blade	\$18.00
05P75-20	Replacement 10mm Blade	\$18.00

# HANDTOOLS & HANDPLANES

## SPECIALTY PLANES



### Veritas Iron Edge Trimming Planes

Edge-trimming planes work end grain or give final trimming cuts on jointed boards, for smooth edges exactly 90° to the face. This plane is cast in durable ductile iron for everyday use, and is

available in right- and left-hand models.

You may need only one model; the choice is often based on which of your hands is dominant, but neither model is exclusively for left- or righthanded users. They are in fact complementary. Having both lets you handle any grain direction, which is handy for working boards with only one true reference face, such as lengths of molding.

They have a 12° bed angle and 30° blade skew. The 1/8" thick, 1-1/4" wide blades work wood up to 1" wide.

ITEM NO.	DETAILS	PRICE
05P03-01	Right-Hand Edge Plane	\$199.00
05P03-61	Left-Hand Edge Plane	\$199.00
05P03-02	Replacement 1-1/4" A2 Blade	\$35.00



### Veritas Side Rabbet Plane

In an ideal world, every joint would fit perfectly the first time, and there'd be little use for a plane like this. However, in the real world, a side rabbet plane helps you make the "saves" we all have to make once in a while. It is used for cleaning up or trimming side walls of rabbets, dados or grooves to yield a perfect fit with its mate.

ITEM NO.	DETAILS	PRICE
05P44-01	Plane with O1 Blade	\$219.00
05P44-02	Replacement O1 Blade	\$25.00
05P44-03	PM-V11 Blade	\$25.00



### Lee Valley Squirrel-Tail Palm Planes

These little beauties are made in Canada and are expertly cast and ground. The inch Squirrel Tail inch planes (15P10-10 and 15P10-20) are similar to the old Stanley #100 and #100-1/2. The 15P10-10 is a flat plane that is 3-3/8inch long at the sole and 1-3/8inch wide with a 1inch blade width. This 'Squirrel' planes weighs approximately 250g.

ITEM NO.	DETAILS	PRICE
15P10-10	Flat Palm Plane	\$80.00
15P01-02	Replacement O1 Blade	\$19.00
15P10-20	Curved Palm Plane	\$88.00
15P10-21	Replacement Curved O1 Blade	\$26.00



### Lee Valley Flat 'Little Victor' Block Plane

This little beauty is made in Canada and are expertly cast and ground, and is a closely replica of the old Bailey "Little Victor" plane of 1877. It is a flat plane that is 3-1/8" (79mm) long and 1/4" (31.75mm) wide with a 1" blade - a true pocket plane! The 'Little Victor' weighs approximately 170g.

ITEM NO.	DETAILS	PRICE
15P01-01	Plane	\$69.00
15P01-02	Replacement O1 Blade	\$19.00

## SCRAPING PLANES



### Veritas Cabinet Scraper

A very useful and versatile tool, it can clean a dirty workbench top, remove dried glue, smooth a panel or a tabletop with a difficult grain, leaving behind a surface free of tear-out, digs or gouges.

Veritas designed this tool with several improvements over the traditional #80 cabinet scraper in mind. To allow the user to apply pressure directly in line with the cutting edge (preventing the blade from catching when the scraper runs off the workpiece), the sole is longer and the handles have been placed further back and slightly lower.

The blade is 2-3/4inch (70mm) wide, with both edges ground at 45 degrees so that the tool may have two cutting edges prepared at once, thus halving the amount of time you spend sharpening between uses. Made from ductile cast iron, this scraper will stand up to robust use. The sole is surface ground for accuracy. Two screws secure the blade and the integral thumbscrew is used to set the blade camber.

ITEM NO.	DETAILS	PRICE
05P32-05	Scraper	\$117.00
05P32-06	Replacement Bladeh	\$22.00



### Veritas Small Scraping Plane

Designed for one-handed use, this small scraping plane has an articulating palm rest for comfortable, controlled grip. This allows it to be positioned to suit your preferred grip in either hand, or for knuckle clearance when working close to an adjacent surface.

The 2inch (50mm) wide, 0.040inch (1mm) thick, high-carbon-steel blade occupies the full width of the plane body, permitting clean, accurate cuts flush against a perpendicular surface.

A set screw lets you bow the blade to make fine depth-of-cut adjustments and to prevent blade corners from leaving ridges in the work. The blade is ground at 45 degrees, allowing you to easily burnish a hook. A fixed frog sets the blade at 20 degrees, the optimum angle for fine scraping. The 5-1/4inch (133mm) long ductile cast iron body weighs 680g.

ITEM NO.	DETAILS	PRICE
05P29-50	Plane	\$210.00
05P29-51	Replacement Blade	\$18.00





## Veritas Scraping Plane

Veritas' scraping plane is the ideal tool for final smoothing - especially when you have to deal with highly figured wood or reversing grain. With a well-sharpened blade and light cuts you can achieve excellent results with any wood. Tear-out is virtually eliminated with the cutting action of the scraping blade.

The large wooden front knob and rear handle make this plane comfortable to use for extended periods, and the large sole ensures an accurately flattened surface. The adjustable frog enables you to set blade angles from 0 to 25deg, providing fine control of the cutting action. A feature unique to this plane is an integral thumbscrew that bows the blade, eliminating ridges in the work surface caused by blade corners.

The plane comes with a 0.055" high carbon steel blade suited to this technique as well as an optional 3.2mm (1/8") thick A2 steel blade that suits those who prefer to use an uncambered blade. Both blade styles are 73mm (2-7/8") wide and are hardened to Rc48-51.

ITEM NO.	DETAILS	PRICE
05P29-01	Plane	\$299.00
05P29-02	Replacement HCS Blade	\$25.00
05P29-03	Optional A2 Blade	\$50.00
05P29-04	Optional A2 Toothed Blade	\$68.00

## SHOULDER PLANES



## Veritas Large Shoulder Plane

The Veritas large shoulder plane (a specialised rabbet plane) is the latest and largest in their line of shoulder planes. Its size and mass make it perfect for trimming breadboard tenons, adjusting shoulders, or even paring

down tenon cheeks. At 8-1/4inch (210mm) long, 1-1/4inch (32mm) wide and weighing 3-3/4 lb (1.7kg), it brings both authority and precision to larger work.

The ductile cast iron body is accurately machined and ground so that the sole and sides are flat and square. Veritas have overcome the traditional awkwardness of handling and control in these planes by shaping a new lever cap that fits properly in the palm, incorporating a Bubinga lever cap knob that pivots 180 degrees, and adding a multi-positional front knob that can be mounted on the top or on either side.

You can also grip the plane in the recesses cast into the side of the plane. The combination of these added features ensures a solid, comfortable grip for all users in all applications.

ITEM NO.	DETAILS	PRICE
05P43-71	Plane with PM-V11 Blade	\$399.00
05P43-72	Replacement PM-V11 Blade	\$79.00
05P43-06	Optional Pair of Brass Knobs	\$20.00

Please note: Due to recent CITES regulations on the supply of Rosewood globally, Veritas are changing their timber components to Torrefied Maple. This change is ongoing and your purchase may be supplied with either Rosewood or Torrefied Maple.



## Veritas Medium Shoulder Plane

The shoulder plane (a specialised rabbet plane) is the ultimate tool for trimming a joint to a perfect fit. There is no better plane for trimming the shoulder of a tenon to perfection or for rebating work. Veritas' shoulder plane is proportioned for versatility. It measures 7inch (178mm) long by 0.700inch (18mm) wide and weighs about 900g. The ductile cast iron body is accurately machined and ground so that the sole and sides are flat and square.

The unique lever cap with a pivoting knob lets you adjust the plane to fit your hand and preferred holding technique. The concave knob rests in the web of your hand, giving you a secure grip without the need of excessively heavy pressure. The through hole in the body further adds to grip security. The plane's adjustable toe lets you narrow the mouth for very fine shaving with minimal tear-out. The low bed angle of 15 degrees combined with the 25 degrees blade bevel results in a cutting edge of 40 degrees for exceptional grain cutting performance.

The plane's adjustable toe lets you narrow the mouth for very fine shaving with minimal tear-out. The low bed angle of 15 degrees combined with the 25 degrees blade bevel results in a cutting edge of 40 degrees for exceptional grain cutting performance.

ITEM NO.	DETAILS	PRICE
05P41-01	Plane with A2 Blade	\$329.00
05P41-72	Optional PM-V11 Blade	\$73.00



## Veritas Small Shoulder Plane

Designed to seat nicely in the hand, our smallest shoulder plane is easily controlled using a one-handed grip.

The lever cap wraps around the rear of the body, shrouding the blade adjustment mechanism so it does not obstruct the grip while acting as a comfortable rest for the palm.

The through-hole and textured recesses cast into the side of the body provide grip points for fingers. The plane weighs 1 lb 2 oz and has a 6-1/4" long, 1/2" wide sole. The ductile cast iron body is accurately machined and ground so that the sole and sides are flat and square.

The plane's adjustable toe lets you restrict the mouth for very fine shavings with minimum tear-out. The low bed angle of 15° combined with the 25° blade bevel results in a cutting angle of 40° for exceptional end-grain cutting.

ITEM NO.	DETAILS	PRICE
05P47-51	Plane with O1 Blade	\$299.00
05P47-71	Plane with PM-V11 Blade	\$319.00
05P47-72	Replacement PM-V11 Blade	\$76.00



## Veritas Bullnose Shoulder Plane

Veritas' bullnose shoulder plane is perfect for cleaning up machine cut-out joints and will be one of the most useful hand joinery tools that you will ever own. Designed for maximum ver-

satility, it performs well as a bullnose or a chisel plane as required. Simply loosen the brass toe locking knob and remove the toe piece to configure it as a chisel plane. Set this way, you'll be able to work right up into a blind corner. An adjustable set screw in the toe acts as a stop that allows you to accurately set the mouth opening. This means that when you switch between configurations the toe will be repositioned with the same mouth opening, ensuring that you will never accidentally jam the nose against the blade edge. It measures 119mm long by 25.4mm wide and weighs just over 560g. The ductile cast iron body and toe are accurately machined and ground so that the sole and sides are flat and square.

ITEM NO.	DETAILS	PRICE
05P42-71	Plane with PM-V11 Blade	\$319.00
05P42-72	Replacement PM-V11 Blade	\$76.00

# HANDTOOLS & HANDPLANES

## MINIATURE TOOLS



### Veritas Miniature Block Plane

The Veritas Miniature Block Plane is about 1/3 the size of the original, and is just under 63mm long and 19mm wide.

While a miniature, it is a working plane, being a useful size for small scale work or where a larger plane would be difficult to use. The low 12deg bed angle combined with the 25deg blade bevel gives it a cutting angle of 37deg, making it also suitable for end-grain use.

The stainless-steel Norris style adjuster, that is used in the larger planes is again used in this model, and lets you set the 1/2" wide A2 blade (1.53mm thick) with precision. The body is made from investment-cast stainless steel, and has a fixed mouth, machined sides and a ground sole. Weighs 48g. Supplied in a French-fitted embossed leatherette box, it makes a stunning gift.

ITEM NO.	DETAILS	PRICE
05P82-20	Plane	\$72.00
05P82-21	Replacement A2 Blade	\$17.00



### Veritas Miniature Shoulder Plane

The Veritas Miniature Shoulder Plane weighs in at just 48g and measuring 63mm long by 6.35mm wide, this miniature version of our medium shoulder plane was developed out of a desire to test the limitations of our materials, design, and manufacturing processes (not to mention the patience of our engineers!).

Despite its diminutive size, it is fully functional and remarkably effective for fine trimming or cleaning the bottoms of narrow dados. It is surprisingly comfortable to hold, making it exceptionally easy to manoeuvre and control. The investment-cast stainless-steel body has a fixed mouth, with a machined sole and ground sides. A low 15deg bed angle combined with the 25 deg blade bevel provides a 40 deg cutting angle.

The stainless-steel Norris style adjuster lets you set the full-width A2 blade (1.53 thick) with precision, this is the same type of adjustment that the larger Veritas planes use. Supplied in a French-fitted embossed leatherette box.

ITEM NO.	DETAILS	PRICE
05P80-01	Plane	\$69.00
05P80-02	Replacement Blade	\$11.00



### Veritas Miniature Edge Plane

This is a 1/3 scale version of our current Veritas Iron Edge Plane, which is the third generation design of a model that Veritas first produced in 1986, and is a fully functional miniature. Yes, it can be used, and is useful for fine trimming work on thin stock up to 3/8"

thick, such as with small scale boxes or maquettes, it fits the hand well, making it easy to control under fingertip pressure.

The 60mm long body and lever cap are machined, investment cast stainless steel. The 1.53mm thick by 12.7mm wide A2 steel blade has a 25deg bevel angle and, like the original, is bedded at 12deg and skewed at 30deg. The blade position and depth of cut are easily set by hand. Weighs a mere 45g.

Presented in a French-fitted embossed leatherette box, this diminutive edge plane makes a great gift for any woodworker or tool aficionado.

ITEM NO.	DETAILS	PRICE
05P81-01	Plane	\$69.00
05P81-02	Replacement Blade	\$12.00



### Veritas Mini Router Plane

As with Veritas' other miniature planes, this tiny 3inch wide router plane not only looks like its full-size counterpart, it works like it, too. Surprisingly comfortable to hold and manoeuvre, it is ideal for hardware installation and for fine inlay or intarsia work. It comes with a 1/8inch wide A2 tool-steel blade that can be positioned inboard for standard use or outboard for true bullnose work.

The stainless-steel body has been machined and the sole ground and lapped flat. The sole has also been designed to encircle the blade for maximum registration to a workpiece, and to bridge recesses for stability on narrow stock. The knobs are bubinga. A fine-screw feed mechanism sets blade depth, blades are secured with a knurled clamping knob. Supplied in an embossed, French-fitted presentation box, it is an outstanding gift for any woodworker.

ITEM NO.	DETAILS	PRICE
05P82-01		\$72.00

### Veritas Set of 3 Miniature Chisels



Veritas have continued their miniature range of tools. The success of the miniature planes and spoke shaves, these chisels have evolved.

The chisels are 82mm on length which equates to approx. 1/3 scale of the Veritas bench chisels. The handle is made from Bubinga, with a stainless steel ferrule. Veritas have incorporated their PM-V11 steel into these chisels,

making them easy to sharpen, having good impact resistance and also having good edge retention. Presented in an embossed leatherette box, these 3/8", 1/4" and 1/8" wide chisels are ideal as a gift.

ITEM NO.	DETAILS	PRICE
05P85-01		\$69.00

### Veritas Miniature Spokeshave



Another in the Veritas miniature range, the spokeshave weighs in at less than one ounce (28g) and is only 89mm long, it is 1/3 the size of our 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 (14.2mm tall) has a 45 deg blade bed, a tight fixed mouth opening and hardwood handles. The sole and blade bed are machined. The 19mm wide, 1.6mm thick A2 blade is hardened to Rc60-62.

Supplied in a French-fitted embossed leatherette box, it makes a great gift.

ITEM NO.	DETAILS	PRICE
05P84-01	Spokeshave	\$69.00
05P84-05	Replacement Blade	\$11.00

## HANDPLANE ACCESSORIES



### Veritas Jointer Fence

Planing a square edge on a board requires a jointer fence, whether you are using an electric jointer or a hand plane. The Veritas jointer fence allows you to shoot accurate and consistent square or bevelled edges with all iron or steel bench planes. The integral rare-earth magnets make it quick

and easy to attach or remove the 11" long anodized aluminium fence from either side of all sizes of bench planes, from a smooth plane (#4) to a jointer (#8). As supplied, the 2" tall guiding face can be used to plane edges perfectly square to the face of your workpiece. It can also be used to shoot angles less than 90° when a bevelled wooden guide is attached to the inside face of the fence. Please note plane in picture not included. Patent pending.

ITEM NO.	DETAILS	PRICE
05P30-01		\$77.00



### Variable Angle Fence for Veritas Bench Planes

The hand plane fence that every woodworker needs in their kit. The Variable Angle Fence for Veritas Bench Planes is not just limited to 90deg like most other fences. This one allows

any angle from 45° to 135°. For angles less than 45°, a bevelled piece of timber can be attached to the fence, therefore giving a smaller angle than 45°. It is mounted to tapped holes provided in the sides of our custom bench planes, shooting plane, bevel-up jointer plane and jack rabbet planes. The locking lever is spring loaded, and can be conveniently rotated out of the way if required for use.

ITEM NO.	DETAILS	PRICE
05P30-04		\$101.00



### Veritas Bevel Up Jointer Fence

The Veritas low-angle jointer fence enables you to shoot consistent and accurate square or bevelled edges with your Veritas bevel-up jointer. The 11inch long anodized aluminium fence can be attached to either side of the plane with the brass thumbscrews

provided, a set screw can be adjusted to square the fence to the sole. As supplied, the 2inch tall guiding face can be used to plane edges perfectly square to the face of your workpiece. It can also be used to shoot angles less than 90deg when a bevelled wooden guide is attached to the inside face of the fence.

ITEM NO.	DETAILS	PRICE
05P37-05		\$66.00



### Veritas Shooting Board Tracks

The Veritas Shooting Board Tracks are a straight aluminium track to make your own shooting board. All hardware is provided, as well as Low-friction UHMW strips that allow the plane to easily slide along the length of the

track. Set screws are also provided to keep the inner rail from moving during use, this keeps the plane from wandering. This track is designed for shooting planes and any other plane with a running surface between 51.5mm (2-1/32") and 57mm (2-1/4") wide. The 406mm (16") track is long enough for most jobs, if not, a 609mm (24") version is available.

ITEM NO.	DETAILS	PRICE
05P54-80	406mm (16")	\$74.00
05P54-82	609mm (24")	\$86.00



### Veritas Cap Irons to Suit Stanley/Record Planes

The Veritas Cap Irons to suit Stanley/Record #2 planes have been made to fit the ever popular Stanley and Record style planes. A cap iron is positioned against a plane blade to stiffen it up, and prevent chattering throughout

planing. The cap irons are made from A2 steel, making them resistant to corrosion.

ITEM NO.	DETAILS	PRICE
05P63-20	Suits Stanley/Record #2	\$59.00
05P63-22	Suits Stanley/Record #3 #5-1/4	\$55.00
05P63-24	Suits Stanley/Record #4 #5	\$55.00
05P63-26	Suits Stanley/Record #4-1/2 #5-1/2 #6 #7	\$59.00
05P63-28	Suits Stanley/Record #8	\$69.00



### Veritas Blades to Suit Record/Stanley Planes

Veritas now offers high quality blades to suit Record and Stanley planes - 41mm (1-5/8") O1 Blade Suit #2 to suit Record/Stanley Planes. These have a

flatness tolerance on the face of 0.0127mm or less. Standard blades were 2mm thick, the Veritas replacement blades are 25% at 2.5mm to aid in reducing chatter. All of these blades are 178mm long with a 30 deg bevel and will fit directly to most planes. With different manufacturing variations over the last several decades, the pawl on the end of the lateral adjust lever may need filing on old planes to fit. Blades are available in all A2, O1 or PM-V11 tool steel.

A2 blades will hold its edge longer, however is more difficult to sharpen and hone.

O1 blades are easier to sharpen and hone, but will dull quicker, so will require more sharpening.

PM-V11 blades possess the best qualities of both by having good edge retention, and is easy to sharpen and hone.

ITEM NO.	MATERIAL	TO SUIT	WIDTH	PRICE
05P31-20	O1	#2	1-5/8"	\$61.00
05P31-21	O1	#3, 5-1/4	1-3/4"	\$61.00
05P31-23	O1	#4, 5	2"	\$62.00
05P31-25	O1	#4-1/2, 5-1/2, 6, 7	2-3/8"	\$64.00
05P31-27	O1	#8	2-5/8"	\$68.00
05P31-90	PM-V11	#2	1-5/8"	\$81.00
05P31-91	PM-V11	#3, 5-1/4	1-3/4"	\$81.00
05P31-92	PM-V11	#4, 5	2"	\$85.00
05P31-93	PM-V11	#4-1/2, 5-1/2, 6, 7	2-3/8"	\$86.00
05P31-94	PM-V11	#8	2-5/8"	\$88.00
05P31-61	PM-V11	#60-1/2	1-3/8"	\$69.00
05P31-63	PM-V11	#60-1/2	1-3/8"	\$69.00
05P31-65	PM-V11	#9-1/2	1-5/8"	\$69.00
05P31-67	PM-V11	#9-1/2	1-5/8"	\$69.00

Please note: Due to recent CITES regulations on the supply of Rosewood globally, Veritas are changing their timber components to Torrefied Maple. This change is ongoing and your purchase may be supplied with either Rosewood or Torrefied Maple.

# HANDTOOLS & HANDPLANES



## Veritas Plane Sock

Made from a silicone treated knit cotton that resists moisture, these socks are ideal for plane storage. Designed much like a footy sock with a drawstring enclosure, they keep dust and dirt off planes and help deter rust. A tag on the outside of the sock lets you label the contents.

ITEM NO.	DETAILS	PRICE
05P61-07	7-1/2" Long for Block Planes	\$19.00
05P61-12	12-1/2" Long for Smoothing Planes	\$19.00
05P61-16	16" Long for Jack Planes	\$19.00
05P61-25	25" Long for Jointer Planes	\$25.00



## Veritas Plane Screwdriver

A regular screwdriver just doesn't work well on cap iron screws. 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. Veritas designed this screwdriver to make it both safe and

easy to remove, replace or adjust cap irons. It has 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. Not only for Veritas planes, it fits all standard cap iron screws on current and vintage Record and Stanley planes as well as others based on them. A convenient tool for safely loosening or tightening stubborn cap iron screws.

ITEM NO.	DETAILS	PRICE
50K39-01		\$28.00

## BEADING TOOLS



## Veritas Beading Tool

Creating a nice decorative bead is now easily done with the Veritas Beading Tool, and can be done in both hardwoods and softwoods to give a delicate touch and be used left-handed or right-handed. Use the Veritas standard cutters, or by using a blank cutter custom profiles can be achieved when requiring a unique look or when matching an existing bead or profile.

The ample size handles allow for good control, with the ball knob able to be pivoted 90deg., a comfortable grip should be found easily. While designed to cut on the push stroke, they can just as easily be used on the pull action as well. Cutters are made from hardened spring steel, giving long wear and good cutting capability. The beading tool comes in the box with the 5 blanks and a single groove cutter.

ITEM NO.	DETAILS	PRICE
05P04-50	Beading Tool with 6 Cutters	\$131.00
05P04-05	Set of 2 Reeding Cutters	\$12.00
05P04-03	Set of 3 Beading Cutters	\$16.00
05P04-04	Set of 3 Fluting Cutters	\$16.00
05P04-02	Replacement Single-Point Cutter	\$7.00
05P04-06	Replacement Blank Cutter	\$3.00



## Veritas Wooden Beading Tool

Creating a nice decorative bead is now easily done with the Veritas Beading Tool, and can be done in both hardwoods and softwoods to give a delicate touch and be used left-hand-

ed or right-handed. Use the Veritas standard cutters, or by using a blank cutter custom profiles can be achieved when requiring a unique look or when matching an existing bead or profile. While designed to cut on the push stroke, they can just as easily be used on the pull action as well. Cutters are made from hardened spring steel, giving long wear and good cutting capability. The beading tool comes in the box with the 5 blanks and a single groove cutter.

ITEM NO.	DETAILS	PRICE
05P04-01	Beading Tool with 6 Cutters	\$100.00
05P04-02	Replacement Single-Point Cutter	\$7.00
05P04-03	Set of 3 Beading Cutters	\$16.00
05P04-04	Set of 3 Fluting Cutters	\$16.00
05P04-05	Set of 2 Reeding Cutters	\$12.00
05P04-06	Replacement Blank Cutter	\$3.00

## SCRAPERS



## Pax Mini Scraper Set

Scrapers are perfect for achieving a fine finish on a project, particularly on difficult grain.

The Pax four piece Mini Scraper Set is smaller than most. Approximately 2" long and 0.012" thick, they're great for small projects or those hard to reach places.

Four Piece Set Includes: 1 x mini gooseneck, 1 x mini oval, 1 x mini square, 1 x mini Concave/Convexential.

ITEM NO.	DETAILS	PRICE
PAX-MSS		\$23.95

## PAX Concave Scraper Set



The PAX Concave Scraper Set is a two piece set, featuring ten radius concave scrapers is designed for cleaning up various spindles, chair legs and other beaded profiles. Includes the following profile diameters: 1/4", 3/8", 1/2", 3/4", 5/8", 7/8", 1", 1-1/8", 1-1/4" and 1-1/2". High quality 0.8mm stiff carbon steel, and unlike most other scrapers, these sets have burrs and are able to be used out of the packet.

ITEM NO.	DETAILS	PRICE
PAX-CC		\$29.00

## PAX Convex Scraper Set



The PAX Convex Scraper Set is a two piece set, featuring ten radius convex scrapers is designed for cleaning up fluted mouldings that would otherwise have to be laboriously sanded. Includes the following profile diameters: 1/4", 3/8", 1/2", 3/4", 5/8", 7/8", 1", 1-1/8", 1-1/4" and 1-1/2". High quality 0.8mm stiff carbon steel, and unlike most other scrapers, these sets have burrs and are able to be used out of the packet.

ITEM NO.	DETAILS	PRICE
PAX-CV		\$29.00



## Veritas Super-Hard Curved Scraper Sets

These three piece scraper sets cover a variety of scraping jobs. The concave and convex ends are excellent for bowl or spindle work. The flat scraper is for general purpose work. The French curve shape handles various sizes of concave surfaces. The gently

chamfered surfaces of the third style are perfect for stripping glue lines or for intricate scraping. The 0.6mm thick set is for regular scraping, with a 0.4mm thick set available for finer work. Each set includes three scrapers.

ITEM NO.	DETAILS	PRICE
05K20-10	0.6mm	\$27.00
05K20-20	0.4mm	\$27.00

## Veritas Superhard Cabinet Scraper Set



Most cabinet scrapers are sheared from spring steel, hardened to Rc38-42. These scrapers are harder (Rc48-52) and hold an edge longer. The edges are carefully milled to a square, sharp 90 degree, ready for immediate use on fine work. For heavy-duty use, a hook must be burnished onto them. The prepared edges not only save you the initial effort of filing and stoning, but

indicate the condition they should be in the next time you intend to put a hook on them. The scrapers come in four thicknesses. The two thinnest, used for fine work, are 2inch x 6inch (50mm x 150mm). The two thicker ones are 2-3/8inch x 6inch (60mm x 150mm) and are for heavier stock removal, the 1mm scraper being suitable for paint removal. All come with edge guards and complete resharpening instructions.

ITEM NO.	DETAILS	PRICE
05K30-10		\$35.00

## Pax Rectangular Cabinet Scraper Set



These high quality sets made in Sheffield of 0.8mm stiff carbon steel.

ITEM NO.	DETAILS	PRICE
PAX-SS2		\$29.00

## Veritas 6" Scraper Holder



Scraper bow is adjusted by the centre brass knob. Takes the fatigue out of using straight scrapers. Suitable for push or pull action. 6inch scraper included.

ITEM NO.	DETAILS	PRICE
05K33-01		\$72.00



## Veritas Chairmaker's Scraper

While this chairmaker's scraper was designed primarily for chairmakers' use, it can be used for any other scraping task in the shop. 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: 1/2inch (12.7mm) concave, 7/8inch (22.2mm) concave, 1-1/4inch (31.7mm) concave, 1-1/2inch (38mm) radius convex. The straight blade can also be ground to a specific shape. All blades are made from 1.5mm thick high-carbon steel. The machined cast steel body is fitted with a large rear handle and a front knob of bubinga.

ITEM NO.	DETAILS	PRICE
05P33-80	Scraper	\$99.00
05P33-81	Replacement Straight Blade	\$15.00
05P33-82	1/2" Concave Blade	\$18.00
05P33-83	7/8" Concave Blade	\$18.00
05P33-84	1-1/4" Concave Blade	\$18.00
05P33-85	1-1/2" Convex Blade	\$18.00



## Veritas Ball Joint Scraper

For any major scraping work, nothing beats a ball-joint scraper. The handle can be set anywhere in a 70Deg. cone, allowing a comfortable grip and effective blade orientation in virtually any circumstance. The handle unlocks or locks solidly with a quarter turn. Another advance on its predecessors is the hand rest on the blade. Substantial

pressure can be applied to speed work. The scraper is available in two models. A. High-carbon-steel (HCS) style is used for finishing bare wood surfaces where maintenance of a finely formed edge is more significant. The 3" x 3" x 1/16" HCS blade comes with one edge bevelled. You may wish to bevel one or more others, but it also works perfectly well treated as a heavy-duty cabinet scraper with square, burnished edges. B. Carbide-blade style is preferred for paint scraping. The 2" long carbide blade requires a specially designed holder and both edges can be used. Both blade assemblies are priced separately from the handle and ball joint so that you can mix and match.

ITEM NO.	DETAILS	PRICE
05K21-01	Scraper with 3" x 3" HCS Blade	\$86.00
05K21-02	3" x 3" Replacement HCS Blade	\$17.00
05K21-05	2" x 2" Carbide Blade Assembly	\$44.00
05K21-06	2" x 2" Carbide Blade	\$18.00



## Veritas String Inlay Scraper

The critical dimension for string inlay material is thickness. If too thick it won't fit into the groove, too thin, and it will leave an unsightly gap. This tool

scrapes veneer or any narrow, thin stock up to 2-1/2" wide to the exact thickness required. Instead of a sole that travels on top of the material, it has two skates to elevate the blade from the work surface. This allows the inlay material to pass underneath the tool, and the skates to act as a depth stop for the blade. The blade height is adjusted relative to the work surface and is set to match the width of the inlay groove (just use the thickness of your grooving blade as a shim when setting the blade height, no need to fiddle with micrometres or rulers). The inlay is then scraped until the skates make full contact with the work surface. The 2-3/4" wide blade has two edges ground at 45°. so that the blade can be flipped over, reducing the frequency of sharpening sessions. Two brass clamps, tightened with thumbscrews, hold the blade.

ITEM NO.	DETAILS	PRICE
05P32-10		\$106.00



# HANDTOOLS & HANDPLANES

## BURNISHERS



### Pfeil Triangle Burnisher

For burnishing cabinet scrapers. Polished steel; cherry handle. Blade length: 160 mm.

ITEM NO.	DETAILS	PRICE
PF-BURN-TRI		\$48.00



### Pfeil Oval Burnisher

For burnishing cabinet scrapers. Polished steel; cherry handle. Blade length: 160mm.

ITEM NO.	DETAILS	PRICE
PF-BURN-OVAL		\$48.00



### Veritas Mini Carbide Burnisher

We made this carbide burnisher specifically for curved scrapers and fine detail scrapers. The 1/8inch diameter polished carbide rod projects 3/4inch from the hardwood handle; ideal for one-handed use.

ITEM NO.	DETAILS	PRICE
05K20-30		\$22.00



### Veritas Variable Burnisher with Blade

Cabinet scrapers are among the most useful tools in a workshop. However; most woodworkers have difficulty putting the optimum hook on a scraper. Since scrapers have four working

edges; it is possible to make one into a highly versatile tool with each edge having a different cutting characteristic. The problem is choosing the best burnishing angle and then holding the burnisher at that angle. Veritas' variable burnisher solves the problem and makes burnishing easy. The unit has a carbide rod in a brass hub held at an angle. A dial on the face of the body lets you set any angle from 0 to 15 degrees. Rotate the hub to the chosen angle and then lock it in position with the thumbscrew. Because the burnisher body is slotted; you can burnish a scraper with complete confidence that the correct angle is being maintained. Instructions included and it comes with a scraper to practice on.

ITEM NO.	DETAILS	PRICE
05K37-01		\$58.00



### Veritas Scraper Burnisher

This tool turns scrapers into cutting tools. Turners who are used to using scrapers with a grinder burr will be amazed at the difference a smooth edge-hook can make. After grinding a scraper; you just deburr the flat face and roll a hook onto the edge. The pressure you use determines the size

of the hook. Two 25mm long carbide burnishing rods are supplied. One is ground at 10 degrees for burnishing scrapers with bevels of 70 degrees or 75 degrees. Veritas now include a second rod ground at 5 degrees to burnish 75 degrees to 80 degrees bevel angles. Since the burnisher (clamped in a vise or screwed to a lathe stand) lets you use your entire body for leverage; you can even put hooks on HSS scrapers; something not possible with any other burnisher. Easy to use and includes full instructions. Designed for use with either full-size or miniature tools. Made of aluminium; steel and carbide. 114mm long by 67mm wide.

ITEM NO.	DETAILS	PRICE
05K35-01		\$81.00



### Veritas Tri-Burnisher

Designed to perform the functions of round triangular and oval burnishers, this one has a mirror finish to guarantee smooth hooks on cabinet scrapers. The unique shape lets you

apply the right amount of pressure at each stage of the process on scrapers of all sizes. The superior surface finish is very important to avoid galling and hook tearing. Hardened to Rc 62 - 64, this burnisher is much harder than the scrapers it is used on. Its ample length (11 inch or 279mm including handle) makes it easier to gauge and hold burnishing angles. Although straightforward in concept, it took Veritas nearly three years to get a mill run of steel to the correct shape and to perfect the polishing process that makes this burnisher the best on the market. Made in Canada.

ITEM NO.	DETAILS	PRICE
05K32-01		\$58.00

## SPOKESHAVES



### Veritas Spokeshaves

Veritas' flat, round and concave spokeshaves have been designed for smooth, effective chatter-free shaping of chair spindles, panel edges, paddles, tool handles and all other kinds of freehand shaping jobs. The flat and round bottom spokeshaves are the general workhorses. They are the tools that you will pick up for practically every kind of woodworking activity. This spokeshave has a 1/8inch (3.2mm) thick A2 tool steel blade that is seated at 45 degrees to the sole. The thick blade, carefully machined lever cap and blade bed all combine to produce chatter-free cutting in virtually all conditions. Tool length is 260mm.

ITEM NO.	DETAILS	PRICE
05P33-73	Flat Spokeshave with PM-V11 Blade	\$199.00
05P33-74	Round Spokeshave with PM-V11 Blade	\$199.00
05P33-76	Concave Spokeshave with PM-V11 Blade	\$199.00
05P33-12	Concave A2 Steel Blade	\$49.00
05P33-72	PM-V11 Blade for Flat or Round Spokeshaves	\$47.00



### Veritas Large Spokeshave

Veritas' large spokeshave provides all the utility of their regular spokeshaves, a tight mouth, simple blade-depth adjustment and very precise machining, but in a larger, more robust package for quick yet controlled stock removal

on larger scale work. At over 457mm across, it affords ample space to comfortably grip the tool without worry of scraping your knuckles against the workpiece, a common issue when using a small tool on a larger project. The shave comes with a 2-5/8inch (67mm) wide, 1/8inch (3.2mm) thick A2 steel blade, seated at 45 degrees to the sole. The integrated thumbwheels allow quick and repeatable blade-depth and skew adjustment and two shims are supplied to enable mouth-opening adjustment from 0.040inch (1mm) with no shims to 0.020inch (0.5mm) with shims to suit your work requirements. The body is investment-cast ductile iron fitted with comfortable African rosewood handles. The combination of a thick blade with machined lever cap and blade bed produces chatter-free cutting.

ITEM NO.	DETAILS	PRICE
05P33-96	Spokeshave with PM-V11 Blade	\$210.00
05P33-95	Replacement PM-V11 Blade	\$52.00

## Veritas Low Angle Spokeshave



Veritas' specially designed spokeshave has the same low cutting angle as traditional spokeshaves but cutting depth has been improved substantially. Instead of being variably-set, requiring projection adjustment, the blade is fixed, forming the sole of the tool. The toe piece is adjustable, allowing you to control depth of cut. Used in one

orientation, the toe piece is suited to convex and flat work. Flipped 180 degrees, the tool can be used on concave work. This tool's ergonomic design and versatility allow it a much higher ability to handle precision work than ordinary spokeshaves.

ITEM NO.	DETAILS	PRICE
05P32-73	Spokeshave with PM-V11 Blade	\$109.00
05P32-72	Replacement PM-V11 Blade	\$46.00



## Veritas Chair Devils

Chair devils are wonderful for final shaping and smoothing of round parts such as chair spindles and posts.

The specially shaped scraper blade rounds the workpiece, removing any

spokeshave marks. Three sizes available: 1/2inch (12.75mm) for spindles, 7/8inch (22.25mm) for rungs and the 1-1/4inch for legs and posts, as well as canoe paddle shafts. The machined steel bodies are fitted with bubinga handles that are shaped for comfort and control. The toe and thumbscrew are made of solid brass. The high-carbon steel blades are 0.040inch thick, hardened to Rc 48-52 and come with a finely ground 45 degree cutting edge.

ITEM NO.	DETAILS	PRICE
05P33-50	1/2"	\$119.00
05P33-51	7/8"	\$119.00
05P33-52	1-1/4"	\$119.00
05P33-55	Replacement 1/2" Blade	\$19.00
05P33-56	Replacement 7/8" Blade	\$19.00
05P33-57	Replacement 1-1/4" Blade	\$19.00



## Veritas Scraper Shave

Our 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.

The design of the tool allows a controlled scraping action that effectively smoothes the workpiece. Can be used as a companion tool with our chair devils for smoothing of non-round chair parts such as crest rails, arm bows and seat blank edges.

Similar in construction to our chair devils, it has a machined steel body, comfortable hardwood handles, and a solid brass machined toe and thumbscrews.

The high-carbon steel blade is 0.040" thick and hardened to Rc48-52, with a 45° cutting edge that can be readily burnished to create a long-lasting hook.

ITEM NO.	DETAILS	PRICE
05P33-70		\$119.00
05P33-71		\$18.00



## Veritas Spokeshave Kit

With all the advancements in tool design over the centuries, and especially the last few years, the spoke shave is one that has not changed a great deal. The common weakness across

most types is the depth of cut adjustment, Veritas have overcome this for those still wishing to use a wooden spokeshave, that requires no tools for adjustment or blade removal or change. A dense close grained hardwood is recommended, this will stand up to the stress placed on such a tool, and accept the tapped thread this tool uses for blade adjustment. The large blade is 70mm x 3.2mm thick. The larger shave is a good general-purpose tool. You provide and shape the wood of your choice, with a minimum blank sizes of 280mm x 38mm x 22mm. Basic woodworking skills required. Each kit includes: An A2 steel blade, A brass wear strip, Two brass lock nuts and adjustment thumb wheels, a tap and a complete set of detailed instructions.

ITEM NO.	DETAILS	PRICE
05P33-30	Large Kit	\$72.00
05P33-31	Replacement 2-3/4" A2 Blade	\$48.00
05P33-40	Small Kit	\$67.00
05P33-41	Replacement 1-7/8" A2 Blade	\$51.00

## BENCH CHISELS

### Veritas O1 Bench Chisel



These chisels are precision made by Veritas in their own machine shop.

Turned and milled from solid bar stock, the blades are O1 tool steel\* (Rc58-60), chosen for its ease of sharpening and its excellent edge-retention properties at low bevel angles. The

blade is tapered from shoulder to tip for strength and rigidity, with parallel sides and true bevel edges for full clearance and minimal friction when working into an angled corner or a tight recess. To ensure the face of the blade is both smooth and true, the chisels are lapped flat. The blade-to-handle connection is made with a tang and a socket-like ferrule. The tang has flats to prevent the handle from rotating. Turned from a solid blank, the ferrule seats directly onto the shoulder of the blade. Repeated mallet blows will only tighten the joint through use. Each chisel is superbly balanced, with the centre of gravity at or below the tang/socket connection. The handle is hard maple that has been kiln-baked at a high temperature to eliminate nearly all moisture.

ITEM NO.	DETAILS	PRICE
05S20-04	1/4"	\$119.00
05S20-06	3/8"	\$119.00
05S20-08	1/2"	\$119.00
05S20-12	3/4"	\$125.00
05S20-16	1"	\$131.00

### Pfeil Cabinet Makers Chisel Set



Blades are forged from K 510 steel, hardened to 60 Rc. Sides are relief-angle ground with well marked facets. Blades are finely ground and polished (blade angle 25 degrees). The Octagonal oval handles are made of strong, oiled elm wood from Switzerland and the design is very ergonomic, allowing you to shape material with ease. Available individually or in six piece set. Set

includes six carpenters chisels in a rugged canvas roll. Widths included: 6, 10, 12, 16, 20 and 26mm.

ITEM NO.	DETAILS	PRICE
PF-CM-SET-6		\$359.00

# HANDTOOLS & HANDPLANES

## BENCH CHISELS



### Veritas PM-V11 Bench Chisel

PM-V11 blades have good edge retention, good impact resistance and is easy to sharpen. The chisel blade has a 30° primary bevel and a 2° micro-bevel, though a final honing is recommended before use.

Flats in the shaped handle gives a reference to blade automatically, making it easy to realise where the edge is during use. Each chisel is balanced, the centre of gravity is close to the tang and socket connection. The Maple handle is heat treated to aid in preventing swelling and shrinking which is generally caused by changes in humidity. The top of the handle is dome shaped to resist the chance of chipping when hit by a mallet.

ITEM NO.	DETAILS	PRICE
05S21-02	1/8"	\$126.00
05S21-03	3/16"	\$126.00
05S21-04	1/4"	\$139.00
05S21-06	3/8"	\$139.00
05S21-08	1/2"	\$149.00
05S21-12	3/4"	\$159.00
05S21-16	1"	\$169.00



### Japanese Chu-Usu-Nomi Bevel Edge Chisel

A good general purpose Japanese chisel. Longer handle and shaft than a butt chisel that is more suited to workbench use rather than jobsite use. Japanese oak handle.

ITEM NO.	DETAILS	PRICE
JBC-12	12mm	\$114.00
JBC-24	24mm	\$141.00
JBC-30	30mm	\$146.00
JBC-36	36mm	\$172.00



### Japanese Bevel Edge Chisel

Made for Carbatec in Japan, these western style bevel edge chisels are ground, honed and ready for use straight out of the packet. The ovoid shaped handles are extremely ergonomic and allow for a very firm

grip. The handles are almost indestructible, being made from a butyrate compound. The high-carbon alloy steel blades will keep a keen edge for longer. Highly recommended. Overall length of each chisel is approximately 250mm.

ITEM NO.	DETAILS	PRICE
MBE-6	6mm	\$32.00
MBE-9	9mm	\$34.00
MBE-12	12mm	\$34.00
MBE-15	15mm	\$34.00
MBE-19	19mm	\$36.00
MBE-22	22mm	\$37.00
MBE-25	25mm	\$38.00
MBE-32	32mm	\$40.00
MBE-38	38mm	\$42.00
MBE-SET	9 Piece Set (6, 9, 12, 15, 19, 22, 25, 32, 38mm)	\$234.00



### Pfeil Carpenters Chisel

Blades are forged from K 510 steel, hardened to 60 Rc. Sides are relief-angle ground with well marked facets. Blades are finely ground and polished. (Blade angle 25 degrees) Octagonal oval handles are made of strong, oiled elm wood from Switzerland. Handle design is very ergonomic, allowing you to shape material with ease.

ITEM NO.	DETAILS	PRICE
PF-CC-6MM	6mm	\$42.00
PF-CC-10MM	10mm	\$44.00
PF-CC-12MM	12mm	\$44.00
PF-CC-16MM	16mm	\$49.00
PF-CC-19MM	19mm	\$49.00
PF-CC-20MM	20mm	\$49.00
PF-CC-26MM	26mm	\$59.00

### Pfeil Bench Chisel

Heirloom quality bevel edge chisel. Design features include: Ergonomic beech handles with steel hoops, Finely polished and honed edges for razor sharpness right out of the packaging, Durable chrome vanadium steel, 25 degree bevel. The perfect chisel for any woodworker either amateur or professional.



ITEM NO.	DETAILS	PRICE
PF-Z1-04	4mm	\$36.00
PF-Z1-06	6mm	\$36.00
PF-Z1-08	8mm	\$37.00
PF-Z1-10	10mm	\$37.00
PF-Z1-12	12mm	\$38.00
PF-Z1-16	16mm	\$40.00
PF-Z1-19	19mm	\$43.00
PF-Z1-20	20mm	\$43.00
PF-Z1-26	26mm	\$50.00
PF-Z1-30	30mm	\$59.00
PF-Z1-32	32mm	\$59.00
PF-Z1-35	35mm	\$59.00
PF-Z1-40	40mm	\$69.00
PF-BC-6	6 Piece Set (6, 10, 12, 16, 20, 26mm) in Wooden Display Box	\$299.00



### Robert Sorby Bevel Edge Chisel Set

Bevel edge chisels are the most versatile and universally used of all bench chisels and should form an integral part of any woodworkers toolkit. They can be used either freehand making a gentle paring cut or with light mallet strokes. Side bevels reduce the risk of binding in the cut as well as allowing access to undercuts, like dovetails. Robert Sorby offer the more refined

Gilt Edge pattern which features an elegant bolster and ferrule design. Each chisel has a 20 degrees primary bevel and a 25 degrees secondary bevel and each is honed ready for use. This five piece set includes 6mm (1/4 Inch), 10mm (3/8 Inch), 13mm (1/2 Inch), 19mm (3/4 Inch) and 25mm (1 Inch) chisels.

ITEM NO.	DETAILS	PRICE
RSB-E5105ST		\$298.00

## BUTT CHISELS



### Japanese Economy Butt Chisel Set

Handles are turned from Japanese red oak. Each of the chisels is hollow ground on the back to facilitate maintenance of a flat surface when sharpening. All chisels are made of laminated steel. This six piece set

includes 6, 9, 12, 18, 24 and 30mm chisels. Overall length of each is approximately 220mm.

ITEM NO.	DETAILS	PRICE
JCS-6		\$299.00



### Japanese Oire Nomi Butt Chisel

The ideal carpentry chisel - with its short handle and shaft its easy to store and set in place when hanging doors, trimming edges, etc. Japanese chisels are laminated with hardened steel at the face edge, and softer metal at the back to absorb shock and support the harder face. The chisels are hollow

ground on their back to reduce the surface area to be flattened. For a truly sharp edge it is essential that the back is perfectly flat.

ITEM NO.	DETAILS	PRICE
C-5203	3mm	\$46.00
C-5209	9mm	\$48.00
C-5212	12mm	\$52.00
C-5215	15mm	\$56.00
C-5218	18mm	\$60.00
C-5221	21mm	\$61.00
C-5224	24mm	\$63.00
C-5230	30mm	\$65.00
C-5236	36mm	\$67.00
C-5242	42mm	\$77.00



### Japanese Butt Chisel

Made for Carbatec in Japan, these western style butt chisels are ground and honed ready for use straight out of the packet. The ovoid shaped handles are extremely ergonomic and allow for a very firm hand grip. The handles are almost indestructible, being made from a butyrate compound. The high-car-

bon alloy steel blades will keep a keen edge for longer. Highly recommended. Overall length of each chisel: 200mm.

ITEM NO.	DETAILS	PRICE
MBC-14	1/4"	\$36.00
MBC-38	3/8"	\$36.00
MBC-12	1/2"	\$36.00
MBC-34	3/4"	\$38.00
MBC-1	1"	\$39.00
MBC-114	1-1/4"	\$41.00
MBC-SET	6 Piece Set (1/4, 3/8, 1/2, 3/4, 1, 1-1/4")	\$219.00



### Pfeil Butt Chisel Set

Just like their larger bench chisels, these butt chisels from Pfeil are a pleasure to use. They feature comfortably faceted and contoured European Locust handles and blades made of Swiss alloy tool steel that is heat treated using the latest technology for excellent edge holding. Overall length of each chisel is 6inch, blade length of each is 3-3/8inch. Kit includes: 6, 12, 19 and 25mm chisels.

ITEM NO.	DETAILS	PRICE
PF-SBC-4		\$189.00



### Veritas PM-V11 Butt Chisel

Butt chisels are made in wider sizes than most chisels, making them efficient for wasting out large areas, such as the mortises for installing butt hinges. They also have shorter blades that some woodworkers find offer improved control.

Made from PM-V11 tool steel, the blades taper from shoulder to tip for strength and rigidity, and have parallel sides and true bevel edges for clearance and minimal friction when working into an angled corner or a tight recess. Each blade is lapped flat. The blade and handle are connected with a tang and a socket-like stainless-steel ferrule that seats directly onto the shoulder of the blade, with flats on the tang to prevent the handle from rotating.

The hard maple handle has been torrefied, a heating process that changes the structure of the wood at the cellular level, stabilizing it against swelling and shrinkage caused by humidity changes. Contoured to fit the hand nicely, the handle has a domed end that resists chipping from glancing mallet blows.

ITEM NO.	DETAILS	PRICE
05S26-04	1/4"	\$119.00
05S26-08	1/2"	\$126.00
05S26-12	3/4"	\$133.00
05S26-16	1"	\$149.00
05S26-24	1-1/2"	\$169.00
05S26-32	2"	\$179.00

## SPECIALTY CHISELS



### Right Hand Batoning Chisel

The batoning chisel is useful for splitting timber along the grain to make battens, packers and wedges. Includes one chisel.

ITEM NO.	DETAILS	PRICE
09A02-45		\$34.00



### Robert Sorby Framing Chisel

This Robert Sorby framing chisel has a very long 267mm x 25mm blade and is very strong making it good for working with deep mortices. Fitted with a traditional Ash handle.

ITEM NO.	DETAILS	PRICE
RSB-F28550L		\$128.00

# HANDTOOLS & HANDPLANES

## SPECIALTY CHISELS



### Japanese Umeki Nomi Dovetail Chisel

Used mainly to clean up sharp corners when cutting fine joints, particularly in dovetailing applications. Its bevelling give this type of chisel an almost triangular cross section, the ideal profile for dovetail work. Handle is made of Japanese white oak.

ITEM NO.	DETAILS	PRICE
JDC-03	3mm	\$89.00
JDC-06	6mm	\$91.00
JDC-09	9mm	\$94.00
JDC-12	12mm	\$96.00
JDC-15	15mm	\$99.00



### Robert Sorby Sash Mortice Chisel

The Robert Sorby sash mortice chisels have a trapezoidal profile to the blade, this shape prevents them from binding in the cut. A trapezoidal chisel has a

wider bottom blade with than the width of the spine. The angle for this chisel is 30°. These are a heavy duty chisel and are designed to stand up to levering out waste from door locks, tenons and hinges. They are fitted with a traditional boxwood handle.

ITEM NO.	DETAILS	PRICE
RSB-F33106B	1/4"	\$67.00
RSB-F33110B	3/8"	\$68.00
RSB-F33113B	1/2"	\$69.00



### Robert Sorby Bevelled Framing Chisel

This Robert Sorby bevelled framing chisel has a long 229mm x 38mm blade and is very strong making it good for working with deep mortices.

Fitted with a traditional Ash handle. The bevelled back sides of the blade means undercutting is possible, where the sides may not be perpendicular to the bottom.

ITEM NO.	DETAILS	PRICE
RSB-F28638P		\$144.00



### Robert Sorby Paring Chisel

Paring chisels are a long flat chisel that were traditionally used by cabinetmakers and pattern makers who need to be able to slice thin slivers of timber

away. They needed a chisel that could be controlled easily that has tapers towards the cutting edge so as not to bind when getting into tight areas and spaces. The Robert Sorby paring chisel has these features fitted with a traditional boxwood handle. The length and design of these chisels makes removing timber easy.

ITEM NO.	DETAILS	PRICE
RSB-F24106H	1/4"	\$68.00
RSB-F24113H	1/2"	\$73.00
RSB-F24119J	3/4"	\$78.00
RSB-F24125J	1"	\$83.00
RSB-F24132K	1-1/4"	\$91.00
RSB-F24138K	1-1/2"	\$100.00



### Robert Sorby Registered Firmer Chisel

Firmer chisels have a blade with a rectangular cross-section. This means that they are stronger and can be used for tougher or heavier work. Generally

these chisels are used in chop and lever actions, where the chisel is hit with a mallet into the timber, and the timber is then levered out, the extra thick blade makes this possible. They are tapered along the length of the blade giving additional strength.

ITEM NO.	DETAILS	PRICE
RSB-F28419M		\$57.00



### Robert Sorby Corner Chisel

Corner chisels are usually used to clean up the corners of joints like mortices and hinge corners. The back corner of the chisel being 90° makes

this task simple. Sharpening is also simple, place the chisel in a vice and hone the inside bevels with a diamond file, ensuring that both sides are done the same so that both sides of the chisel are done the same.

ITEM NO.	DETAILS	PRICE
RSB-F33310B	3/8"	\$101.00



### Robert Sorby Boxwood Handled Gilt Edge Chisel

The Robert Sorby boxwood handled gilt edge chisel can be used freehand or used with light strokes from a mallet. Bevelled edges mean this will

not bind in a cut and the undercut access means they are also good for dovetails.

ITEM NO.	DETAILS	PRICE
RSB-F51006B	1/4"	\$56.00
RSB-F51010B	3/8"	\$57.00
RSB-F51013B	1/2"	\$58.00
RSB-F51019B	3/4"	\$63.00
RSB-F51025B	1"	\$67.00

## MALLETS & HAMMERS



### Veritas Journeyman's Brass Mallet

The desired choice of carvers and sculptors. This Veritas Journeyman's Brass Mallet is the type of mallet preferred by carvers and sculptors as it gives more control.

The brass head uses a blind thread to connect it to the handle, which has a final turning once fitted to get the smooth transition between the cherry wood handle and the head of the mallet.

It is as useful as it is elegant, weighing in at 570g and 152mm long.

ITEM NO.	DETAILS	PRICE
05E14-01		\$56.00



## Topman Japanese Square Head Hammer

Koguchi genno hammers have a soft centre and are harder at each end. This deadens hammer blows and minimises bounce. The result is more efficient energy transmission to the

surface being struck. One end is flat and is used for striking chisels and nails - the other is domed for the final sinking a nail flush with the work surface. These genno are made from a single piece of steel that is heat hardened at each end. Each head is fitted with a Japanese oak handle that significantly reduces shock transmission.

ITEM NO.	DETAILS	PRICE
JH-115	115g	\$49.00
JH-225	225g	\$59.00



## Veritas Cabinetmakers Mallet

Wooden mallets are well suited to shop work such as driving chisels or larger carving tools. Although they tend to be bulky, the wooden striking faces are much kinder to tool handles than steel-face hammers. Inspired by

a vintage tool in Lee Valley's collection, this mallet has the best features of both wood and metal and is a direct substitute for a carpenter's mallet. The cast brass head has the mass and small size typical of a metal hammer. The 38mm diameter hardwood inserts provide wooden striking faces so you can strike chisels without mushrooming the handles. Since a cabinetmaker's mallet is used primarily with wrist action, the flat faces are in planes that intersect the handle tip, so the face is to the arc of swing to prevent glancing blows. You can also choke up on the handle for work requiring greater finesse such as fine carving. With two striking faces you can keep one smooth and clean for general work. The other face can be used for more aggressive tasks such as driving out bolts and pins.

ITEM NO.	DETAILS	PRICE
05E15-01		\$69.00



## Carbatec Wooden Carpenter's Mallet

Traditional beech mallets used by joiners and cabinetmakers. Ideal for cabinetmaking or for various carpentry applications. Overall length: 320mm.

ITEM NO.	DETAILS	PRICE
CT-260420		\$28.00



## Topman Japanese Wooden Mallet

These mallets are perfect for adjusting handplanes or for use with Japanese chisels.

ITEM NO.	DETAILS	PRICE
JHW-48	Ø48mm	\$26.00



## Carbatec Deadblow Hammers

These hammers are filled with shot so that recoil is minimised when striking. This equates to approximately 50% more weight per strike. The mallets are made from PE (polyethylene) and have optimised balance and weight. Perfect for adjusting machines during assembly or when knocking joints together. A must have for all workshops.

ITEM NO.	DETAILS	PRICE
PU-038	500g	\$25.00
PU-050	920g	\$39.00

## HANDSAWS



## Veritas Rip Carcass Saws

These saws carry forward the same design principles we used to develop our innovative dovetail saws, adopting selected traits of traditional carcass saws and rendering them using innovative materials and modern manufacturing methods. Typically used to cut joints in drawer runners, dividers, and stretchers (the framework or carcass

of a piece), they are well balanced, manoeuvrable, and scaled for smaller work than a tenon saw. Available in rip and crosscut versions. The 12 tpi rip saw has a 10 degrees rake angle and an included angle of 60 degrees for efficient cutting parallel to the grain. The 14 tpi crosscut saw has a rake angle of 15 degrees, an included angle of 60 degrees, and teeth filed with alternating 15 degrees bevels so they sever wood fibers rather than tear them. The teeth on each have relatively minimal set, at only 0.003inch per side. Each saw has a molded spine that incorporates stainless-steel powder for weight, glass fibre for stiffness, and an advanced polymer binder.

ITEM NO.	DETAILS	PRICE
05T07-05	12Tpi	\$131.00
05T07-01	14Tpi	\$131.00



## Veritas Rip & Crosscut Tenon Saws

These Veritas Rip Saw are the largest saws in the Veritas range. This 9tpi saw is great for ripping timber, has a kerf of 0.76mm with a cutting depth of almost 100mm before the spine. The teeth are designed to specific angles to ensure the wood fibres are cut rather than torn. The spine is made of composite materials to add weight and strength, making this saw balanced and easy to use. The handle is made from Bubinga, so is hard wearing and strikingly attractive timber to contrast with the dark spine of the saw.

ITEM NO.	DETAILS	PRICE
05T14-01	9TPI Ripping	\$199.00
05T14-05	12TPI Crosscut	\$199.00

## Pax Handsaws



Pax have been producing saws since the late 1700's, so have plenty of experience behind them when it comes to knowing what works. Originally making saws that were used 10 hours

a day, six days a week, their saws had to stand up to punishment that was demanded of them. Now, after a couple of centuries of use and development, their saws have been refined so they are the sort after tool for those wanting true excellence with handtools.

Pax Handsaws feature a finely crafted blade made from a high quality alloy steel that is taper ground to prevent binding through the cut, all while giving the best and cleanest cut possible.

ITEM NO.	LENGTH	TPI	PRICE
PAX-22	22"	8TPI	\$169.00
PAX-26	26"	8TPI	\$189.00
PAX-26-4.5	26"	4.5TPI	\$179.00

# HANDTOOLS & HANDPLANES

## HANDSAWS



### Veritas Standard Dovetail Saws

Our dovetail and crosscut saws are an innovative blend of tradition and technology, incorporating the critical characteristics of a classic fine joinery saw but made using modern production processes and state-of-the-art materials.

The blades of the dovetail saws have 14 or 20 rip-cut teeth per inch. The 14 tpi model is most efficient on stock thicker than 1/2"; the less aggressive cut of the 20 tpi version is best for stock under 1/2" thick. The teeth, set 0.003" per side, have a rake angle of 14° and an included angle of 60°. Used for cutting across or perpendicular to the grain, the 16 tpi crosscut saw blade has teeth filed with alternating bevel angles so it severs rather than tears wood fibers; it tracks better and leaves a smoother finish than a rip-cut blade. The teeth are filed with 15° rake and bevel angles and have 0.003" of set per side.

Each saw has a spine molded from an advanced material incorporating stainless-steel powder for weight, glass fiber for stiffness, and a polymer resin binder. An over-molded blade and stainless-steel handle-mounting bolt creates a solid blade/spine/mount assembly. A single brass fastener secures the hardwood handle. Made of high-carbon steel, the blade of each is 9-1/4" long and 0.020" thick, with a cut depth of about 1-9/16". All three are 14-1/4" long overall. Comfortable, well-balanced saws.

ITEM NO.	DETAILS	PRICE
05T05-01	14TPI	\$125.00
05T06-01	16TPI	\$125.00
05T05-05	20TPI	\$125.00

### Pax 8" Dovetail Saw

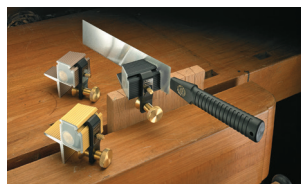


Handcrafted from the finest alloy steel and featuring a beech handle and solid brass fittings, this classic 8" dovetail saw embodies the kind of balance and stability that professional cabinetmakers have traditionally sought in this type of saw.

Tooth pitch: 1.25mm. Kerf: 0.9mm.

ITEM NO.	DETAILS	PRICE
PAX-D8	20TPI	\$179.00

### Veritas Dovetail Saw



The Veritas' dovetail saw, is designed specifically for use with these the Veritas Dovetail Cutting Guides (available separately).

ITEM NO.	DETAILS	PRICE
05T02-03	Dovetail saw	\$44.00
05T02-05	Dovetail guide	\$81.00
05T02-11	1:6 Dovetail cutting Guide	\$81.00
05T02-12	1:8 Dovetail cutting Guide	\$81.00

### Pax 12" Tenon Saw



Handcrafted from the finest alloy steel and featuring a beech handle and solid brass fittings, this classic 12" tenon saw embodies the kind of balance and stability that professional cabinetmakers have traditionally sought in this type of saw. Pitch: 1.8mm. Kerf: 1mm.

ITEM NO.	DETAILS	PRICE
PAX-T12	14TPI	\$169.00



### Veritas Gents Rip Saw

Originally developed for inch gentlemen's inch tool kits, intended for those who wanted good-quality tools for occasional work, but didn't need full-size equipment. Sharing the same advanced materials as our dovetail

and carcass saws, our Gents' saws have a 200mm long high-carbon steel blade that is just 0.015inch thick with 0.003inch of teeth set per side. The 20 tpi rip saw has teeth with a 14 degrees rake angle and a 60 degrees included angle. The teeth on the 22tpi crosscut saw have a rake angle of 15 degrees, an included angle of 60 degrees and have been filed with alternating 15 degrees bevel angles so that they sever rather than tear wood fibres. Both saws have a cut depth of 40mm.

ITEM NO.	DETAILS	PRICE
05T10-01	20Tpi	\$93.00
05T10-05	22Tpi	\$93.00



### Pax Reversible Gent's Saw

The Reversible Gent's Saw, this saw is made to for both right and left handed woodworkers. The cranked rosewood handle allows you to cut into the most awkward of corners with ease. This saw has a brightly polished brass back and a Walnut handle, with a blade that can be re-sharpened.

ITEM NO.	DETAILS	PRICE
PAX-RG8	20TPI	\$49.00



### Pax Mini Reversible Gent's Saw

A 4" version of the 10" Reversible Gents Saw, this saw is made to for both right and left handed woodworkers. The cranked rosewood handle allows you to cut into even smaller

awkward corners than the larger Reversible Saw. This saw has a brightly polished brass back and a Walnut handle, with a blade that can be sharpened.

ITEM NO.	DETAILS	PRICE
PAX-MRG4	20TPI	\$39.00

### Pax 8" Gents Saw



A beautifully made but inexpensive saw suitable for dovetailing or trimming, with comfortable ergonomic handle and high quality brass back. Tooth pitch: 1.25mm. Kerf: 0.9mm.

ITEM NO.	DETAILS	PRICE
PAX-G8		\$39.00

### Pax Razor Saw



With an extremely narrow kerf of 0.3mm and a rigid spine, the Pax Razor Saw will give a superior cut, making it an ideal choice for fine joinery.

ITEM NO.	DETAILS	PRICE
PAX-PR6	42TPI	\$39.00



## Pax Veneer Saw

This beautifully crafted veneer saw features an offset handle to allow surface clearance. The blade is double-sided and the teeth are chamfered on the edge to avoid tearout.

ITEM NO.	DETAILS	PRICE
PAX-VS		\$39.00

## Pax Guitar Fret Saw



This saw is ideal for cutting fret slots on guitars and related stringed instruments. Cuts on the pull stroke for control and accuracy. This saw's kerf matches that of the most commonly available fret wire.

ITEM NO.	DETAILS	PRICE
PAX-GS1	17TPI	\$49.00



## Pax Inlay Saw

This saw is ideal for fine inlay work where delicate centre cutting is required.

ITEM NO.	DETAILS	PRICE
PAX-IS3	20TPI	\$39.00

## JAPANESE SAWS

### So why buy a Japanese Saw instead of a Western (Traditional) Saw?

While wildly different in design, the Japanese Saw works more like an extension of your entire arm, than a tool hanging off your hand. Japanese Saws cut on the pull stroke, where western saws cut on the push stroke. The easiest way to demonstrate this (and the difference it can make), pinch a piece of regular newspaper (or even a page from this Product Guide), between your thumb and forefinger. Now try to push the paper through your fingers, now pull the paper. See?

Still not convinced? Next time your buying some of our great products, why not try out a great starter saw, the Z-150D (see page 164).

Double sided, flush cutting and incredibly handy to have in your workshop (and they won't break the bank).

## Z-Saw Japanese Crosscut Carpenter's Saw



Cross cutting flexible carpenter's saw. Blade is flexible enough to allow flush cutting of dowels, etc. Blade length: 250mm, blade thickness: 0.5mm, kerf: 0.65mm, pitch: 18tpi.

ITEM NO.	DETAILS	PRICE
Z-15006	250mm	\$49.00
Z-15007	Replacement Blade 18TPI	\$29.00

## Z-Saw Japanese Panel Saw



Plunge cutting panel saw. Features spine for stability and a scribing tooth near the front edge of the blade. Provides very accurate &, precise cuts for

dovetailing, cross cutting and other applications. Blade length: 240mm, blade thickness: 0.3mm, kerf: 0.53mm, pitch: 17tpi.

ITEM NO.	DETAILS	PRICE
Z-7026	Saw	\$65.00
Z-7027	Replacement Blade	\$34.00

## Z-Saw Japanese Crosscut Carpenters Saw



Cross cutting carpenter's saw. Blade length: 300mm, blade thickness: 0.7mm, kerf: 1.15mm, pitch: 12tpi.

ITEM NO.	DETAILS	PRICE
Z-15011	Saw	\$59.00
Z-15012	Replacement Blade 12TPI	\$29.00
Z-15013	Replacement Coarse Blade 6TPI	\$35.00

## Z-Saw Japanese Carpenter's Fine Rip Saw



The finest Rip cutting saw in our Japanese range. The 250mm long, 0.5mm thin blade with narrow and even saw set is designed for cutting along the grain, finely and accurately. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use. This Fine Rip Saw features a traditional Rattan wrapped handle that may be held with two hands for a long steady cut or for small precise cuts by holding the blade end of the handle with the fore finger resting along the back of the spine.

ITEM NO.	DETAILS	PRICE
Z-15009	Saw	\$49.00
Z-15010	Replacement Blade	\$29.00

## Z-Saw Japanese Fine Tooth Joinery Saw



Fine tooth joinery saw. Features spine for stability. Provides very accurate, and precise cuts for dovetailing and other applications. Blade length: 240mm, Blade thickness: 0.3mm, Kerf: 0.41mm, Pitch: 25TPI.

ITEM NO.	DETAILS	PRICE
Z-7029	Saw	\$72.00
Z-7030	Replacement Blade	\$40.00



# HANDTOOLS & HANDPLANES

## JAPANESE SAWS

### Z-Saw Japanese General Purpose Saw



Plunge cutting general purpose saw. Features spine for stability and a scribing tooth near the front edge of the blade. Provides very accurate, and

precise cuts for dovetailing, cross cutting and other applications. Blade length: 150mm, Blade thickness: 0.3mm, Kerf: 0.51mm, Pitch: 18tpi.

ITEM NO.	DETAILS	PRICE
Z-7010	Saw	\$48.00
Z-7011	Replacement Blade	\$25.00

### Z-Saw Japanese Fine Dozuki Pullsaw



The Japanese Dozuki Pullsaw H-150 has a compact body with the finest blade in our Dozuki backsaw Z series.

Ideal for extremely intricate and precise works on general wood materials. The maximum cutting depth of the blade is 38mm. This Fine Dozuki saw features a traditional Rattan wrapped handle that may be held with two hands for a steady cut or for small precise cuts by holding the blade end of the handle with the fore finger resting along the back of the spine. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use. The blade is 150mm long with 25TPI.

ITEM NO.	DETAILS	PRICE
Z-7012	Saw	\$49.00
Z-7013	Replacement Blade	\$25.00

### Ikeda Japanese Katana Saw



Single edge general purpose saws for cross cutting and light ripping of cabinet grade timbers. Two sizes available:

WKG-250M Blade length: 250mm, 18 tpi, kerf: 0.8mm. Blade thickness: 0.5mm. WKG-270M Blade length: 270mm, 13 tpi, kerf: 1.0mm. Blade thickness: 0.6mm.

ITEM NO.	DETAILS	PRICE
WKG-250M	250mm, 18TPI Saw	\$69.00
WKGB-250M	Replacement 250mm, 18TPI Blade	\$36.00
WKG-270M	270mm, 13TPI Saw	\$69.00
WKGB-270M	Replacement 270mm, 13TPI Blade	\$36.00
WKG-300M	300mm, 9TPI Saw	\$79.00
WKGB-300M	Replacement 300mm, 9TPI Blade	\$39.00

### Ikeda Japanese Ryoba Saw



Without spine to allow through cutting. For larger architectural joints also used

in boat-building or as a breaking down saw to prepare larger stock for fine work. Double cross cut Ryoba for fine cross cutting, 20tpi with 0.8mm kerf on one side and coarse 16tpi with 1mm kerf on the other side. Blade length: 240mm, blade thickness: 0.5mm.

ITEM NO.	DETAILS	PRICE
WRG-240	240mm Saw	\$99.00
WRGB-240	Replacement 240mm Blade	\$46.00
WRG-270	270mm Saw	\$109.00
WRGB-270	Replacement 270mm Blade	\$59.00

### Ikeda Japanese Dozuki Saw



Stiff back spine for fine furniture joinery such as dovetails, etc. Maximum

depth of cut: 41mm, kerf: 0.28mm, blade thickness: 0.2mm.

ITEM NO.	DETAILS	PRICE
WDG-150	150mm, 30TPI Saw	\$62.00
WDGB-150	Replacement 150mm, 30TPI Blade	\$29.00
WDG-210	210mm, 30TPI Saw	\$69.00
WDGB-210	Replacement 210mm, 30TPI Blade	\$31.00
WDG-240	240mm, 30TPI Saw	\$74.00
WDGB-240	Replacement 240mm, 30TPI Blade	\$37.00

### Z-Saw Japanese Carpenter's Universal Hardwood Saw



With specially designed robust and sharp teeth, this saw is ideal for cutting hardwoods such as Blackwood, Oak, Ebony and Maple. The Universal tooth design allows both rip and cross cutting tasks to be completed. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use. This Japanese Hardwood Carpenter Saw features a rubber wrapped handle that allows extra grip when completing long steady cuts into tough materials.

ITEM NO.	DETAILS	PRICE
Z-15069	250mm Saw	\$59.00
Z-15204	Replacement 250mm Blade	\$28.00

### Carbatec Japanese Style Folding Pull Saw



Hang one on your belt! Ideal for carpenters and woodworkers alike, this saw will cross cut with ease. Very sharp, very aggressive and very smooth. Also makes a great pruning saw. Tooth pitch: 4mm, blade length: 250mm, kerf: 1.5mm. Fitted with a convenient folding handle.

ITEM NO.	DETAILS	PRICE
KW-250		\$45.00

### Topman Carpentry Folding Saw



These Japanese folding carpentry saws will give a superb cut, making them good for carpentry and furniture projects. Like other Japanese saws, they cut on the pull stroke, making them easier to use. This pull action also means the blade can be thinner. These saws have teeth that can be damaged easily if stored with other tools, however folded up, these teeth are then protected from damage as well as taking up less space. This photo is indicative, this saw now comes with a soft grip rubber handle.

ITEM NO.	DETAILS	PRICE
CSF-265		\$36.00
CSF-265B		\$20.00

## Japanese Dozuki Saw with Wooden Handle



Traditional Dozuki style blade with beautiful rosewood handle. Short blade length (120mm) provides excellent control.

ITEM NO.	DETAILS	PRICE
MS-120DRD		\$52.00

## Japanese Ryoba Saw with Wooden Handle



Traditional Ryoba blade with traditional wooden handle. Shorter blade (125mm) gives added control.

ITEM NO.	DETAILS	PRICE
MS-120RY		\$62.00

## Japanese Kugihiki Saw with Wooden Handle



Kugihiki style blade with traditional wooden handle. Shorter blade (120mm) provides excellent control. Available with coarse or fine blade.

ITEM NO.	DETAILS	PRICE
MS-120KU		\$52.00



## Japanese Kataba Saw with Wooden Handle

Kugihiki style blade with traditional wooden handle. Shorter blade (120mm) provides excellent control. Available with coarse or fine blade.

ITEM NO.	DETAILS	PRICE
MS-120KA		\$52.00

## Japanese Dovetail Saw



Japanese Razor Saw 120mm blade 0.2mm kerf and 48TPI. Suitable for cutting dovetails or other cuts where precision is essential.

ITEM NO.	DETAILS	PRICE
JSF-2		\$59.00

## Japanese Tenon Saw



Japanese Razor Saw. 160mm blade length with 0.3mm kerf and 44TPI. Perfect for tenoning or other precision cuts.

ITEM NO.	DETAILS	PRICE
JSF-3		\$59.00

## Z-Saw Japanese Waistern 180 Metal Pullsaw



The Japanese Waistern 180 Metal Pullsaw features a tapered slender blade with high speed steel teeth. This specially designed blade is made for cutting thin ferrous plates or iron inserted gutter, non-ferrous metal pipes and frames. The square back of the blade may be used for deburring purposes. The Waistern saws come with a handy hard plastic sheath featuring a clip on loop so it fits easily to your belt. The saw may be unsheathed by one hand and is easy to manoeuvre. The short straight handle is ideal for use with relatively short saw blades for more balanced strokes. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use.

ITEM NO.	DETAILS	PRICE
Z-15212	Saw	\$39.00
Z-15213	Replacement Blade	\$20.00

## Z-Saw Japanese Waistern 180 Wood Pullsaw



The Japanese Waistern 180 Wood Pullsaw has a compact body with sharply ground teeth that is ideal for woodworking in confined spaces. The specially designed fore blade also allows you to make plunge cuts in the centre of a board. The Waistern saws come with a handy hard plastic sheath featuring a clip on loop so it fits easily to your belt. The saw may be unsheathed by one hand and is easy to manoeuvre. The short straight handle is ideal for use with relatively short saw blades for more balanced strokes. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use.

ITEM NO.	DETAILS	PRICE
Z-15210	Saw	\$39.00
Z-15211	Replacement Blade	\$17.00

## Z-Saw Japanese Waistern 180 Utility Panel Pullsaw



The Japanese Waistern 180 Utility Panel Saw has a tapered fore blade with sharply ground teeth that may be used for pocket cutting on drywall panelling, composite panels and cutting PVC and PE (Polyethylene) pipes smaller than 100mm in diameter. The Waistern saws come with a handy hard plastic sheath featuring a clip on loop so it fits easily to your belt. The saw may be unsheathed by one hand and is easy to manoeuvre. The short straight handle is ideal for use with relatively short saw blades for more balanced strokes. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use.

ITEM NO.	DETAILS	PRICE
Z-15214	Saw	\$39.00
Z-15215	Replacement Blade	\$14.00

# HANDTOOLS & HANDPLANES

## JAPANESE SAWS



### Z-Saw Japanese Metal Cutting Pullsaw PAIMAN H-240

These Japanese PAIMAN Metal Cutting pullsaws feature sturdy teeth that are design to saw various non ferrous soft metals such as lead, aluminium, brass and copper. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use. The short pistol grip can add strength behind the saw blade for relatively aggressive cutting, and makes it easier to control the sawing direction while cutting.

ITEM NO.	DETAILS	PRICE
Z-8010	Saw	\$30.00
Z-8012	Replacement Blade	\$15.00



### Z-Saw Japanese Utility Pullsaw for PVC and PE Pipes H-300

With specially ground impulse hardened teeth, this Japanese pullsaw is designed to cut PVC, PE (Polyethylene) pipes around 200mm squarely and other various types of plastics. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use. The short pistol grip can add strength behind the saw blade for relatively aggressive cutting, and makes it easier to control the sawing direction while cutting.

ITEM NO.	DETAILS	PRICE
Z-8031	Pullsaw	\$40.00
Z-8032	Replacement Blade	\$18.00



### Z-Saw Japanese Utility Pullsaw for PVC and PE Pipes H-240

With specially ground impulse hardened teeth, this Japanese pullsaw is designed to cut PVC, PE (Polyethylene) pipes around 100mm in diameter and other various types of plastics. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use. The short pistol grip can add strength behind the saw blade for relatively aggressive cutting, and makes it easier to control the sawing direction while cutting. The screw-fit type of saw handle can also be reversed to make the cutting line more visible.

ITEM NO.	DETAILS	PRICE
Z-8006	Pullsaw	\$34.00
Z-8015	Replacement Blade	\$10.00

## FLUSH CUT SAWS

### Z-Saw Japanese Flush Cutting Saw



Features double-sided replaceable blade. Zero set on teeth for fast, clean flush trimming of plugs, dowels, etc without damage to surrounding face. Impulse hardened, triple edge teeth and nickel plated to resist rust. Blade length: 150mm Blade thickness: 0.4mm, Kerf: 0.4mm, Pitch: 21, and 17tpi.

ITEM NO.	DETAILS	PRICE
Z-150D	Saw	\$35.00
Z-151D	Replacement Blade	\$21.00

### Ikeda Japanese Kugihiki Flush Cut Saw



Combining the very best of Japanese technology. Costing a little more however than our other flush cutting saws, this beautiful tool leaves an almost marr free finish.

ITEM NO.	DETAILS	PRICE
KDG-180	Saw	\$69.00
KDGB-180	Replacement Blade	\$38.00



### Veritas Detail Flush Cut Saw Single Edge

Traditionally used for rapid trimming of plugs and dowels to leave them flush with a work surface, a flush-cutting saw can be used anywhere you want to cut off a projection without damaging the adjoining face. The saw works this way because its teeth are set one way only. The 22 tpi Japanese style tooth pattern cuts aggressively on the pull stroke but does not mark the surface next to the cut. The 0.4mm thick blade is flexible and can be pressed flush with any accessible surface. The saw is 292mm long overall with a blade length of 120mm.

ITEM NO.	DETAILS	PRICE
05K34-10		\$44.00

## SPECIALTY SAWS

### Z-Saw Japanese Tuck In Coarse Pruning Saw P-210



This Japanese "Tuck In" is otherwise known as a folding coarse pruning saw. The body of the saw is made up of a Elastomer skinned aluminium die cast compact grip with a sharply ground blade. This pullsaw has a universal cutting action so it is perfect for gardeners, fruit tree growers and arborists alike. This saw also features to different angle settings when locked open for use. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use.

ITEM NO.	DETAILS	PRICE
Z-18001		\$49.00



## Z-Saw Japanese Keyhole Saw 210

This Japanese version of the Keyhole Saw features a specially designed long and tough blade with tri-edged teeth. This saw can cut wood in various geometric shapes and the narrow blade reduces friction amid strokes. The short pistol grip can add strength behind the saw blade for relatively aggressive cutting and makes it easier to control the sawing direction while cutting. These saws are hardened through the "Hard Impulse" treatment to increase the degree of hardness to the level of HV800-950 which is the maximum hardness that can be achieved on steel. Implementing this treatment on the tips of the saw teeth means that they are able to stay sharp much longer than conventional counterparts while the core of the blade remains both flexible and tough to prevent bending or buckling during use.

ITEM NO.	DETAILS	PRICE
Z-30029	Saw	\$30.00
Z-30209	Replacement Blade	\$20.00



## Japanese Keyhole Saw

A 115mm blade with a tight turning radius makes this saw a true performer.

ITEM NO.	DETAILS	PRICE
MS-120KY		\$45.00



## Japanese Azebiki Saw with Wooden Handle

Flexible Azebiki style blade with traditional wooden handle. Designed for starting cuts in the centre of panels. Short blade (64mm) provides exceptional control.

ITEM NO.	DETAILS	PRICE
MS-60AZ		\$62.00



## Japanese Micro Razor Saw

Japanese Razor Saw 60mm blade length 0.1mm yes 0.1mm kerf and 68TPI. Ideal for detailing and other precision work.

ITEM NO.	DETAILS	PRICE
JSF-1		\$59.00

## SAW GUIDES



## Veritas Right Angle Saw Guide

After receiving requests from our customers, we developed a right-angle saw guide for making finger joints, cutting tenons, or on-the-spot

trimming of small items. It is also ideal for beginners or children learning to make perfectly square perpendicular cuts on board ends. Manufactured using the same precision-machined aluminium extrusion as our dovetail saw guides, each reference surface has an embedded 3/4inch rare-earth magnet and is covered with a low-friction UHMW pad. The magnets keep the saw aligned as you cut, the pads allow the saw to slide easily against the reference surface. The clamp can accommodate material from 1/4inch to 1inch thick. The guide can be used with any backless saw that has approximately 0.005inch or less of tooth set. Our dovetail saw is a suitable companion. With a 2inch x 8-1/2inch, 22 tpi blade, the dozuki tooth form is effective in both crosscuts and rip cuts.

ITEM NO.	DETAILS	PRICE
05T04-01		\$72.00



## Veritas Magnetic Saw Guide

These anodized aluminium guides help keep a saw square to a workpiece. They are particularly useful when crosscutting tenon shoulders or defining the edges of a dado since the

guide helps a backsaw track straight and true. Held against a workpiece with a hand or secured with clamps (not included), it provides a registration surface about 32mm tall to help maintain accuracy throughout the cut. The machined reference face has three embedded 12.7mm dia. rare earth magnets and is covered with a low-friction UHMW pad. It also has a T-slot to accept a pair of 50mm capacity clamps.

ITEM NO.	DETAILS	PRICE
05T20-01	8"	\$51.00
05T20-04	14"	\$55.00



## Z-Saw Japanese Compound Saw Guide

Japanese designed and engineered, cuts near-perfect 90 degrees cuts, straight mitre cuts (from 0 to 45 degrees) and compound mitre cuts. Saw blade length: 265mm.

ITEM NO.	DETAILS	PRICE
Z-8008	Saw Guide	\$119.00
Z-8008-B	Replacement Blade	\$30.00

## FRET AND COPING SAWS



## Carbatec Jewellers Saw

Used for very fine work in wood or jewellery. The blades are very fine by nature and are prone to break - caution is advised when using. The frame is adjustable so that full length blades can be used as well as bits of broken blade if the job requires it.

ITEM NO.	DETAILS	PRICE
CT-190022	Saw	\$38.00
GZ-FSBLADE14	14Tpi	\$9.00
GZ-FSBLADE18	18Tpi	\$9.00



## Groz Coping Saw

An ideal saw for the discerning craftsman and DIY enthusiast. This coping saw is useful for cutting intricate shapes in wood. The blade can be turned to cut at any angle and blade tension can be adjusted by turning the handle. Throat depth: 120mm. Includes: Saw supplied with one standard 6" pinned blade.

ITEM NO.	DETAILS	PRICE
GZ-30220	Saw	\$20.00
GZ-CSBLADE	Replacement Blade	\$13.00

# HANDTOOLS & HANDPLANES

## HAND DRILLS, BRACES & ACCESSORIES



### Hand Braces

Three Bit Chuck Brace Manufactured in France, this 10" sweep brace is sturdy, well finished, and operates smoothly with a ball bearing head. The standard three-jaw chuck model accepts round shanks from 7/64inch

to 19/32inch in diameter and all standard hex-shank bits. It also has the usual square-taper socket for conventional auger bits. The brace has composite head and grip.

ITEM NO.	DETAILS	PRICE
50J05-01	Three-Jaw Brace	\$139.00
50J05-02	Two-Jaw Brace	\$119.00
50J61-05	1/4" Hex Brace Driver	\$19.00
50J61-06	3/8" Socket Brace Driver	\$17.00



### Mini Brace & Bit Set

A brilliantly designed and crafted tool. You'll deny owning it so that your friends won't ask to borrow it. Includes hex shank drill bits of 3, 4, 5, 6 and 8mm and 3 and 6mm gimlets. Overall length: 225mm.

ITEM NO.	DETAILS	PRICE
SM-63900		\$89.00



### Carbatec Sprial Push Drill

Accepts drill bits from 0.3 to 1.6mm. Unlike all the other push drills we've tested over the years, this one runs straight and is a delight to use. Can be operated with one or two hands. Overall length: 195mm.

ITEM NO.	DETAILS	PRICE
CT-191440		\$20.00

## SCREWDRIVERS



### Chestnut Screwdriver Set

This beautiful set of Chestnut handled Screwdrivers makes a perfect gift or treat for anyone. The set securely fits #4 to #10 slot wood screws. Each Screwdriver is made of stainless steel, plus the set comes with a carbide burnisher that allows you to burnish the tips of the blades to create small hooks on the edges. When using brass

screws, the small hooks bed in the brass as you apply torque, preventing the screwdriver from sliding horizontally or vertically in the screw slot. The oval handles do not require a death grip to prevent slippage in your hand. The screwdriver shaft, being the same size as the tip, allows you to counterbore screw holes that you later intend to plug, avoiding all marring of the surface as can happen when using a spade-tip screwdriver.

ITEM NO.	DETAILS	PRICE
09A02-80		\$89.00



### Topman Famidora 8 Piece Screw Driver Set

A driver set with an ergonomic handle and all of the driver bits needed for most fastening work. Driver bits are colour coded for convenience, and housed in sturdy stand with a clear top. Includes: Handle grip, Phillips

Head No.0, No.1, No.2, Slotted Head 2.5mm, 4mm, 6mm, Awl, Nail extractor x 128mm.

ITEM NO.	DETAILS	PRICE
JTM-3053-001		\$19.00



### Pocket Screwdriver Pack

This innocent-looking 1" dia. flat steel bagel is really a very versatile pocket screwdriver. What makes it so effective is the range of edge thickness (from 0.030" to 0.090") created by a ramp formed on one side.

It replaces dimes, quarters and table knives, all of which have width and strength limitations. We sell them by the dozen because they make excellent gifts, particularly to those whom you want to discourage from using cutlery for household repairs.

These screwdrivers should be in every kitchen knife drawer and pocket. Guaranteed to be the only screwdriver in the shop that will snugly fit the cap iron screw on a plane. Made in USA.

ITEM NO.	DETAILS	PRICE
50K36-01	12 Pack	\$13.00

## SHEARS



### Topman Japanese Shears

Designed for use with cloth or paper. Traditional design that is ergonomic and enjoyable to use. Cutting edges are laminated in the traditional way.

ITEM NO.	DETAILS	PRICE
SN-258	100mm	\$59.00



### Chinese Scissors Set

This style of scissors has been made for over 300 years in China. Hand forged, they have a hard steel layer (for the sharpened edge) laminated to a softer iron backing that supports the more brittle hardened layer. They come razor sharp. Their blade strength and sharpness make them useful in the

shop, the garden or the kitchen, or for crafts. They also help you resist the temptation of using the sewing scissors. Set of four, overall lengths are 140 to 216mm.

ITEM NO.	DETAILS	PRICE
45K10-10	Set of 4	\$24.00

## SPECIALTY HANDTOOLS



### Veritas Gimlet Set

Ideal for starting screws, auger gimlets have a tapered screw tip and an auger body. The seven sizes in the set range from 5/64" to just over 3/16" (2 to 5mm). This will handle pre-drill sizes for screw sizes #2 to #9. They are particularly useful for short screws or screws in awkward places, both of which present problems for power pre-drilling. Made of ferro-blackened tempered steel in Europe for Veritas.

ITEM NO.	DETAILS	PRICE
33J20-01		\$26.00



### Veritas Magnetic Corner Chisel

Veritas' magnetic corner chisel is designed specifically for squaring off the corners of routed hinge gains. Its 3/8inch square blade is precision ground with a 35 degrees bevel on each face. The blade is made of long-wearing A2 tools steel, hardened to a rating of Rc60. Although it can be used alone, you can gain greater accuracy by using it in conjunction

with the 2inch tall anodised aluminium guide block (included with chisel). Two embedded rare earth magnets hold the chisel squarely in place while the outside faces of the block align 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 long-wearing properties of the chisel when you finally have to resharpen it.

ITEM NO.	DETAILS	PRICE
50S01-01		\$69.00



### Carbatec Handheld Edge Trimmer

This EdgeBanding edge trimmer gives your workpiece a completely smooth finish. Simply hold up to the edge, squeeze the trimmer firmly and shave away any excess edge banding material. Use this tool after you have cut off excess end material. Maximum material thickness 50mm.

ITEM NO.	DETAILS	PRICE
ET-1	Carbatec Edge Trimmer	\$38.00



### Carbatec Wood Thread Box

Carbatec's Wood Thread Box provides the tools to cut and tap the matching threads into timber, to give what is essentially a timber & nut and bolt. These

give a nice decorative result in timber, using a two-step process. Generally this process is better when the timber is wet using oil or water.

ITEM NO.	DETAILS	PRICE
WTB-12	1/2"	\$99.00
WTB-34	3/4"	\$99.00
WTB-1	1"	\$99.00
WTB-114	1-1/4"	\$109.00
WTB-112	1-1/2"	\$119.00



### Topman Japanese Nail Pullers

Handy nail extracting tools. Once you've used one, you'll never want to take on a woodworking or carpentry project without it! Available in two types: The JNP-200 (Bottom) features a standard inchcat's pawinch tip as well as a wafer-thin pry tip for easing apart cabinets in repair work without

marring the wood. Also useful in removing moulding, separating mitre joints in frames and easing paint seized hardware. The JNP-270 (Top) is a versatile miniature crowbar that also serves as a hammering tool for light tapping applications. Its straight end is used for removing nails and its inchcat's pawinch is used for finishing the job. Both tools are made of forged steel. Made in Japan.

ITEM NO.	DETAILS	PRICE
JNP-200	200mm	\$35.00
JNP-270	270mm	\$39.00



### Swivel Head Nail Puller

Features adjustable foot that is lockable at 5 angles (80 degrees, 105 degrees, 130 degrees, 155 degrees and 180 degrees). The swivel head is easily adjusted by way of a spring-loaded thumb lever. This tool will access areas impossible to reach with any other tool.

ITEM NO.	DETAILS	PRICE
NP-55011		\$32.00



### Sheet Metal Bending Pliers

Anyone who has attempted bending or straightening sheet metal in a shop vise will appreciate this tool. The 3-1/8inch x 1-1/4inch cast iron jaws grip well and are invaluable in forming a variety of basic shapes as well as hemming them.

ITEM NO.	DETAILS	PRICE
09A03-60		\$36.00



### Pocket Wrench Multi Tool

This is the next best thing to a real wrench! Made from 420 stainless steel hardened to Rc52, it's 1/8inch thick, 4inch long and 1inch wide (3.2 thick x 100 long x 25mm wide). It will tighten or remove nuts from 3/16inch

to 11/16inch or 5mm to 17mm. Excels at preventing nuts from spinning as you tighten a bolt. One end is tapered for use as a pry or a screwdriver. There are also imperial and metric scales. One of the best features of this tool is the 1/4inch hex hole which allows you to slip the wrench over a standard hex bit (not included), creating a lever for applying extra torque. A wonderfully useful tool.

ITEM NO.	DETAILS	PRICE
25K17-01		\$25.00



### Veritas Wire Bender

Anyone who has tried to shape wire with pliers will appreciate the usefulness of this jig. With the wire bending jig securely mounted, you can bend mild steel wire up to 3/16" or 5mm diameter to any shape, to make custom tool holders or pegboard hooks from coat hanger wire.

ITEM NO.	DETAILS	PRICE
92W67-01		\$17.00

# HANDTOOLS & HANDPLANES

## SPECIALTY HANDTOOLS



### Carbatec Multi-Tool with Leather Pouch

27 tools in one! Constructed of stainless steel with wooden handles. Includes 11 screwdrivers + 1 socket and leather pouch.

Our Multi-Tool features the following:

- Regular pliers
- Scissor pliers
- Needle nose pliers
- Medium screwdriver
- Can opener
- Couple for connector
- Phillips screwdriver
- File / fish-scaler / hook remover
- General purpose knife
- Large flathead screwdriver / bottle opener
- Small flathead screwdriver
- Small knife.

ITEM NO.	DETAILS	PRICE
LMT-1		\$39.00



### Groze 41 Piece Metric Tap & Die Set

These professional sets are made of Carbon Steel. Each set contains: 3 x Tap Wrenches, 1 x Thread Pitch Gauge, 3 x Die Stocks for Round Dies, 17 Taps and 17 Dies. Set includes: 3mm-0.50mm, 4mm-0.70mm, 4mm-0.75mm, 5mm-0.80mm, 5mm-0.90mm, 6mm-1.00mm, 7mm-1.00mm, 8mm-1.00mm, 8mm-1.25mm, 9mm-1.00mm, 9mm-

1.25mm, 10mm-1.25mm, 10mm-1.50mm, 11mm-1.50mm, 12mm-1.50mm, 12mm-1.75mm and 1/8inch-28 BSP.

ITEM NO.	DETAILS	PRICE
GZ-41M		\$189.00



### Veritas Optional 2" Capacity Clamps

These essential 2 inch capacity clamps are designed to be used in conjunction Veritas saw guides and power tool guides. Made from anodized aluminium with brass knobs.

ITEM NO.	DETAILS	PRICE
05J50-09	Pair	\$60.00



### Topman Circle cutter

For picture frame mats craft and other applications suitable for circles from 40 to 210mm and up to 8mm deep in soft materials.

ITEM NO.	DETAILS	PRICE
CK-701		\$59.00



### Veritas Pro Seam-Ripper Kit

Developed in response to a customer of Lee Valley in Canada who felt that seamstresses and tailors were under-served in tool development, specifically regarding the U-shaped thumb stabber that is currently called a seam ripper. The Pro Seam-Ripper Kit includes two sharp-end stitch-picker blades for starting a seam and four safe-tip rippers that complete the job

without snagging the fabric. The instruction brochure covers straight and top-stitched seams as well as three and four thread serged seams and the techniques you use for each kind. The six blades, two blade holders, and detailed instructions all come in a fitted case to keep everything together. The blades are durable, but replacement blade packs are available for heavy-duty users. Suitable for anyone who does sewing or handy crafts, even on a casual basis.

ITEM NO.	DETAILS	PRICE
09A01-20	Seam-Ripper (6 pk)	\$25.00
09A01-21	Replacement Seam-Ripper Blades (6 pk)	\$8.00
09A01-22	Stitch-Picker Blades (6 pk)	\$8.00

## MY WISH LIST:


## KNIVES



### Japanese Folding Utility Knife

Used widely around the home, garden, workshop, etc. A truly useful general purpose knife.

ITEM NO.	DETAILS	PRICE
JFK-7		\$69.00



### Topman Japanese Bread Knife

A Bread Knife with a Stainless Steel wave shaped blade, craftsmanship and state of the art stainless steel technology are combined resulting in an ultra sharp blade that is durable with a little flex as well. The efficient design is highly effective in cutting through meats, fish, breads, and many other food types.

ITEM NO.	DETAILS	PRICE
JTM-3010		\$69.00



### Topman Japanese Paring Knife - 120mm

The Japanese are famous for making some of the world's best chisels, saws and planes, but above all else, they are famous for their knives and swords. These knives are manufactured in accordance with ancient Japanese

traditions. Made from MV stainless steel, and handled in poplar wood, they keep a fine edge and look amazing.

We recommend that you wipe these knives clean after use, and never put them into a dishwasher.

ITEM NO.	DETAILS	PRICE
JTM-801-553	A. Petti-Naifu (120mm Paring Knife)	\$37.00
JTM-801-539	B. Deba (155mm Meat/Fish Cutting Knife)	\$48.00
JTM-801-546	C. Sashimi (210mm Sashimi Knife)	\$42.00
JTM-801-522	D. Nakiri (160mm Vegetable Knife)	\$43.00
JTM-801-515	E. Santoku (170mm All-Purpose Knife)	\$42.00



### Japanese "NASHIJI" Stainless Steel Kitchen Knives

The Japanese are famous for making some of the world's best chisels, saws and planes, but above all else, they are famous for their knives and swords. These knives are manufactured in accordance with ancient Japanese

traditions. Made from cold-forged "NASHIJI" stainless steel, and handled with black Pakka wood, they keep a fine edge and look amazing.

We recommend that you wipe these knives clean after use, and never put them into a dishwasher.

ITEM NO.	DETAILS	PRICE
JTM-801-713	A. Santoku (170mm All-Purpose Knife)	\$82.00
JTM-801-720	B. Nakiri (160mm Vegetable Knife)	\$84.00
JTM-801-744	C. Sashimi (210mm Sashimi Knife)	\$68.00
JTM-801-737	D. Deba (155mm Meat/Fish Cutting Knife)	\$86.00
JTM-801-751	E. Petti-Naifu (120mm Paring Knife)	\$70.00

## Japanese Laminated "SHIROGAMI" Steel Kitchen Knives



The Japanese are famous for making some of the world's best chisels, saws and planes, but above all else, they are famous for their knives and swords. These knives feature a double laminated "SHIROGAMI" steel blade, sometimes called "white paper steel", and are manufactured using an authentic Japanese hand forging process.

"SHIROGAMI" is a traditional high carbon steel that allows for an extremely sharp cutting edge that is vastly superior to normal stainless steel kitchen knives. Susceptibility to surface rust is an unavoidable attribute of high carbon steel knives, however the ease of sharpening and superior edge of these knives is worth the small amount of work necessary to maintain them.

We recommend that you wipe these knives clean after use, and never put them into a dishwasher.

ITEM NO.	DETAILS	PRICE
YS-GY240W	A. Gyuto (240mm Chef's Knife)	\$128.00
YS-GY180W	B. Gyuto (180mm Chef's Knife)	\$88.00
YS-NA165W	C. Nakiri (165mm Vegetable Knife)	\$90.00
YS-NA150W	D. Nakiri (150mm Vegetable Knife)	\$88.00
YS-SA165W	E. Santoku (165mm General Purpose Knife)	\$75.00
YS-FY150W	F. Funayuki (150mm All-Purpose Knife)	\$71.00
YS-KY165W	G. Koyanagi (165mm Slicing Knife)	\$68.00
YS-KY150W	H. Koyanagi (150mm Slicing Knife)	\$67.00
YS-KY120W	I. Koyanagi (120mm Slicing Knife)	\$65.00
YS-KB105W	J. Ko-Deba (105mm Small Fish Knife)	\$56.00



### Japanese Carbon Steel Kitchen Knives

Made from high carbon steel, these traditional style knives are designed to hold a sharper edge than stainless steel knives. They provide professional results, are functional and available in five different sizes that serve various functions in the kitchen. All handles are 125mm and made of wood with a traditional appearance.

Please note that as these are made of steel, these knives do need care to maintain them in great condition. Clean and dry immediately after use, maybe even add a little vegetable oil to the blade. To remove any marks, simply use fine steel wool before washing and drying. These knives are not dishwasher safe.

ITEM NO.	DETAILS	PRICE
60014	A. Fish & Bone	\$62.00
60242	B. Heavy Vegetable Knife	\$51.00
60022	C. Sushi & Meat	\$57.00
60252	D. Vegetable	\$51.00
60343	E. Fruit & Fish	\$44.00