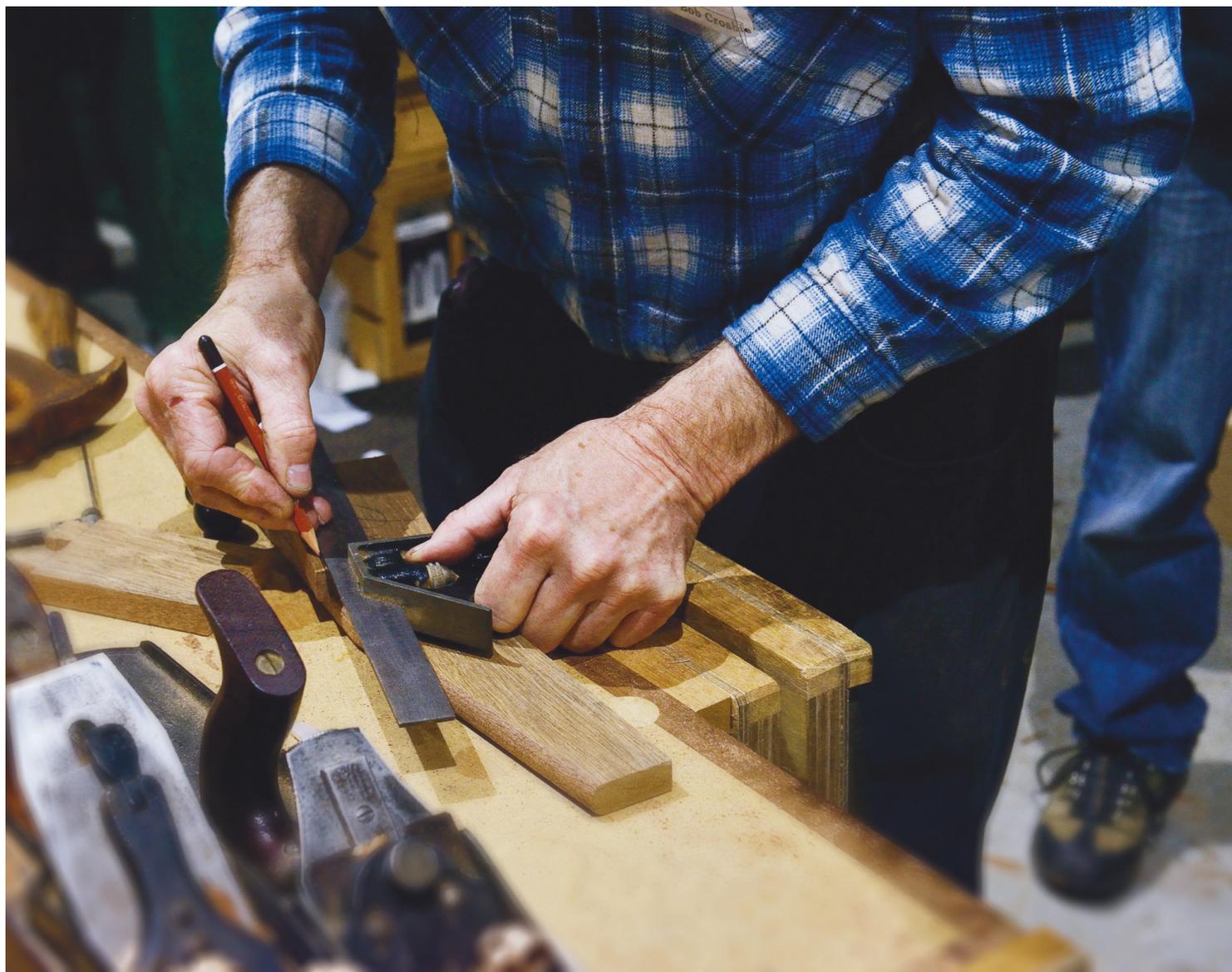


# MARKING & MEASURING

They don't say, 'measure twice, cut once', for nothing.



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## PROTECTING YOUR ASSETS



Throughout the years that a woodworker spends collecting tools and creating masterpieces, there is one fundamental area that is important from the beginning.

**RENDEL ANDERSON** is Product Data Administrator at Carbatec, and has been with us for 7 years. He is a qualified cabinet maker and woodworking enthusiast. He has contributed a great deal of information and workshop wisdom to this product guide!

The old saying “measure twice, cut once” is apart of this, as is marking a point or a straight line. There are many devices available that help with marking, measuring, or drawing a straight line between two points. With the vast array of options available, who is to say which is the best? I think the answer is, whatever works for you!

Finding the device you like is the beginning of the marking and measuring journey, and keeping them maintained is rest of it. This does not mean lending your tools to the neighbour and hoping they are returned, but rather keeping them safe where they will not be damaged or lost. Some of these rules and measures have surfaces and edges that are delicate and need to be stored away from other tools. An example is Incra rules that have a series of holes in them for a 0.5mm pencil lead, which can be easily damaged if not stored properly. Similarly, metal or alloy straight edges won't be able to accurately measure a straight edge any longer if they are damaged.

In my workshop, I have a drawer for the smaller delicate Incra rules, compasses, protractors, pens, and pencils, which keeps these items safe. Above it, is a shallow cabinet that is spaced off the wall slightly to reduce the chance of any condensation affecting the contents. A great deal of time and care has been taken in the design layout to make sure these last a lifetime. After all, marking and measuring is the most crucial element in woodwork!



# MARKING & MEASURING

## MARKING GAUGES



### Veritas Dual Marking Gauge

The Veritas Dual Marking Gauge features two rods, that are independently adjustable, allowing two marks to be done at the same time. The rods have a maximum projection of 145mm,

and a recess in the brass face to allow the heads to be fully recessed for storage and marking close to the edge; or simply to use one marking rod. The cutting wheels are mounted on the ends of the adjustable rods with opposing bevels, ensuring that you can always set the bevel in the waste side of a cut.

ITEM NO.	DETAILS	PRICE
05N70-01	Marking Gauge	\$95.00
05N70-02	Replacement Outside Cutter	\$9.00
05N70-03	Replacement Inside Cutter	\$9.00



### Veritas Shaft Clamp to suit Dual Marking Gauge

The Veritas Dual Marking Gauge uses two shafts to mark either side of a mortice, tenon or other joint. This clamp securely holds these bars from moving during use.

ITEM NO.	DETAILS	PRICE
05N70-05		\$19.00

### Veritas Wheel Marking Gauge



There are two main problems with a typical marking gauge: you have to tilt it just right to avoid pin chatter and, even then, the pin tends to follow the wood grain, throwing off your line. Our wheel marking gauges solve both problems.

The hardened steel wheel cutter scribes perfectly at any point of its circumference. Since it cuts wood fibers rather than tears, it marks cleanly, even on cross grain. The wheel's singlesided bevel also pulls the gauge face against the stock, maintaining accuracy. Its cutting edge is at the extreme end of the rod, useful for transferring dimensions such as tenon shoulder and mortise depth. The wheel retracts into the face of the gauge for storage and protection. The gauges are very easy to set, since each has an internal O-ring to keep light but constant friction on the rod.

The micro-adjustable models have a slightly longer body fitted with a two-stage collet to allow fine adjustment of the cutting wheel. The collet has a fine-pitch thread; one revolution advances or retracts the wheel 1/32", a half turn 1/64", a quarter turn 1/128", etc. The knurled thumbscrew then locks the setting.

Available in metric, imperial or without graduations.

ITEM NO.	DETAILS	PRICE
05N35-21	Micro-Adjustable Metric Wheel Gauge	\$72.00
05N33-23	Standard Metric Wheel Gauge	\$59.00
05N35-20	Micro-Adjustable Imperial Wheel Gauge	\$72.00
05N33-22	Standard Imperial Wheel Gauge	\$59.00
05N35-10	Micro-Adjustable Non-Graduated Wheel Gauge	\$69.00
05N33-21	Standard Non-Graduated Wheel Gauge	\$56.00
05N35-11	Replacement Wheel	\$9.00

### Veritas mortice Gauge Heads to suit Marking Gauges



Made from carbon steel, the 5/8" diameter wheel cutters will scribe at any point in their circumference and slice rather than tear fibers for clean, accurate cuts. Secured with integral

set screws, the blades can be set as close as 3/8" apart. The included shaft collar registers against the marking gauge fence to ensure the shaft remains parallel to the workpiece, preventing accidental tilting of the cutters in use; this is especially useful when scribing large offsets from the fence. Though designed for use with Veritas Wheel Marking Gauges, these gauge heads are a simple retrofit for any marking gauge with a 5/16" diameter shaft.

ITEM NO.	DETAILS	PRICE
15N01-01	Pair of Cutters with Collars	\$22.00



### Veritas Carpenter Gauge

Specifically designed to be carried in an apron or pocket, this is both a direct-reading compass and a marking gauge, two things that carpenters frequently need but find hard to carry. It has a rotatable head, which locks vertically for use and horizontally for

storage and tip protection. Set your radius, locate the centre using the gauge, then rotate the head and scribe your line with the compass. Made of brass, stainless steel and high-impact ABS, it is 7-1/2" long overall.

ITEM NO.	DETAILS	PRICE
05N36-01		\$44.00

### Lee Valley Veritas 3-in-1 Marking Gauge



This marking gauge is really three tools in one - a wheel gauge, a pin gauge and a cutting gauge. The unique swivelling pin/blade chuck takes either a pin or a blade that locks in place (after extension is set) using a set screw in the end of the 4-1/2" (114mm) gauge stem. The opposite end of the stem is tapped to accept a 3/8" (9.5mm) diameter wheel cutter. The collet fingers have just enough stem friction to hold a projection setting while you lock it in place with a half turn of the knurled locking sleeve. A dozen spare blades, two hardened steel pins, a wheel cutter and a hex key are included.

ITEM NO.	DETAILS	PRICE
05N65-01		\$51.00

### Carbatec Marking Gauge



One knife used for marking and cutting lines, strips of wood or veneer or small rebates with or across grain. Ebony with brass inlaid face.

ITEM NO.	DETAILS	PRICE
MGE-1005		\$69.00

### Carbatec Mortice Gauge



Three pins - two on top, one on the bottom. Micro-adjustable slide and brass-inlaid face. Ebony with brass inlaid face.

ITEM NO.	DETAILS	PRICE
MGSE-1005	Ebony	\$89.00



## Carbatec Mortice Gauge

Genuine Rosewood. Twin blades are independently adjustable.

ITEM NO.	DETAILS	PRICE
MGR-1123	Rosewood	\$69.00

## MARKING KNIVES



## Veritas Workshop Striking Knife

This knife has an A2 tool-steel blade with a 55 degree angle at the tip. Ground to a keen edge at a 25 degree bevel angle, it slices wood fibers cleanly. It leaves an incised marking line that serves to guide a saw or chisel when starting a cut, helping to improve accuracy. At less than 1/32" thick and 5/16" wide, the blade projects about 1-1/2" from the handle, making it particularly useful for the precise transfer work required for dovetail layouts. The dual bevel makes it equally comfortable for right- or left-hand use, or marking either side of a reference surface. The nylon-reinforced ABS handle is contoured for a comfortable, controlled grip, with flats on the sides to provide tactile cues for blade orientation and finger placement.

ITEM NO.	DETAILS	PRICE
05D20-05		\$29.00

## Pfeil Double Bevel Marking Knife



The Pfeil Marking Knife features a double bevel so it can be used left or right handed, and ideally used with a jig to indicate positioning of joinery

such as dovetails.  
Flat one side for accurate marking.

ITEM NO.	DETAILS	PRICE
PF-1228		\$35.00

## Topman Kiridashi Marking Knife



Irreplaceable for marking out joinery or for scoring a work surface prior to machining to prevent breakout and chipping. Hand crafted, this knife is a welcome addition to any workshop and is a true pleasure to use.

ITEM NO.	DETAILS	PRICE
JMK-23		\$34.00

## Topman Japanese Marking Knife with Sheath



These knives are irreplaceable for marking out joinery or for scoring a work surface prior to machining to prevent breakout and chipping. Hand crafted, these tools are a welcome addition to any workshop and are a true pleasure to use.

ITEM NO.	DETAILS	PRICE
N-0501		\$39.00

## DOVETAIL MARKERS



## Veritas Dovetail Saddle Markers

For quick, accurate marking of dovetails, a dovetail marker is the best tool for the job. These new dovetail saddle markers are precision machined at 1:6 and 1:8 angles, the traditional angles for softwood and hardwood dovetails respectively. The new 14 degrees angle is great for thin stock providing stronger interlock. The long legs ensure accurate registration.

They also allow a continuous line to be transferred around the corner, so the straight and angled lines can be scribed at the same time, ensuring perfect alignment. The inside corner is relieved to ensure flush seating even on saw whiskers. Made from anodised aluminium.

ITEM NO.	DETAILS	PRICE
05N61-04	1:6 Marker	\$26.00
05N61-05	1:8 Marker	\$26.00
05N61-08	14° Marker	\$26.00



## Veritas Dovetail Markers

For quick, accurate marking of dovetails, a dovetail marker is the best tool available. With riding ledges on both sides, these 2" x 2" markers can be flipped over to mark both slopes of the dovetail. They are designed so that the entire ledge is riding on the reference face, even when marking edge dovetails. The relieved corners at the join of the body and the riding ledges ensure perfect seating even on saw whiskers. Made from anodized aluminum, these markers are light, durable, and never soil your work.

Available as a set in the traditional ratios of 1:6 for softwood and 1:8 for hardwood. The 14° marker is designed to approximate a 1:4 ratio, for those who prefer this angle when working with or on thinner stock, as it not only provides stronger material interlock than traditional ratio angles but produces a slightly exaggerated dovetail joint that many find attractive.

ITEM NO.	DETAILS	PRICE
05N10-11	1:6 & 1:8 Pair of Dovetail Markers	\$22.00
05N10-13	14° Dovetail Marker	\$14.00

Check out our huge selection of Dovetail jigs and joinery tools in our Joinery section!

# MARKING & MEASURING

## SQUARES



### Veritas Precision Double Square

This square features a slimmer than normal stock and an accuracy guaranteed to be better than 0.001" per inch, exceeding regular machinist's squares. It doubles as a try square and a precision square, suitable for both layout work and machinery set-up and checking. The precision openwork casting not only provides the accuracy required but avoids the stock-heavy feel of most machinist's squares.

ITEM NO.	DETAILS	PRICE
24N08-01	4"	\$79.00
24N08-02	6"	\$89.00



### Veritas Sliding Square

This cabinetmaker's square is used to lay out or transfer measurements quickly and accurately - you always have an ample reference face against your workpiece without having to flip

the square. This also simplifies working in two axes at once, substantially reducing the chance of error when measuring and marking two dimensions. The stainless steel blade is 77mm wide and 152mm long and is machine ground on all four edges. The rule is graduated to 100mm along both edges and across one end to 70mm. The diamond cut-out in the blade holds a pencil tip in position and makes it easy to draw lines parallel to an edge. The locking mechanism has a notched pin like those on combination squares, with the blade bearing on polished, hardened steel reference pins set in the body.

ITEM NO.	DETAILS	PRICE
05N32-05		\$67.00



### Shinwa Carpenters L-Square

A Stainless Steel Metric square with accurate markings on both the front and back. Measurement accuracy to +/- 0.2mm once square to +/- 0.1mm.

ITEM NO.	DETAILS	PRICE
JTM-1884-004	100mm x 50mm	\$9.90
JTM-1884-006	150mm x 75mm	\$8.90
JTM-1884-008	300mm x 150mm	\$11.90



### Groze Engineering Square

Hardened steel blades are fixed permanently to the stock by means of a tapered self-locking rivet that ensures complete rigidity.

ITEM NO.	DETAILS	PRICE
GZ-01000	50mm Blade	\$22.00
GZ-01002	100mm Blade	\$30.00
GZ-01003	150mm Blade	\$36.00
GZ-01012	Set of 3	\$82.50



### Carbatec Engineers Square

Made to exacting standards, these squares are of engineering quality, perfect for metal and woodworking. A must for machine setups and accurate measurements of right angles.

ITEM NO.	DETAILS	PRICE
ES-50	50mm x 40mm	\$20.00
ES-100	100mm x 70mm	\$27.00
ES-150	150mm x 100mm	\$44.00



### Veritas Precision Square

This could easily become the most-used measuring tool in your shop. An ideal size for cabinet-making, it has the accuracy of an engineer's square (0.001" per " of length). All four edges are ground, and both faces are graduated on the inside and outside edges. The Imperial square is graduated in 32nds on the 3" leg and in 16ths on the 6" leg, while the metric version is graduated in half millimetres on the 80mm leg and in millimetres on the 150mm leg. Each is useful not only for general layout and checking whether surfaces are flat or straight, but also for machine set-up, since it lets you measure and check for square on the same plane. Since the legs are made from chrome-plated high-carbon steel, they can be marked upon with pencil for direct-reference use.

ITEM NO.	DETAILS	PRICE
05N35-01	Imperial	\$52.00
05N35-03	Metric	\$52.00



### Nobex Octo Folding Square

This multi-angle folding square with locking detents at 0, 22.5, 45, 67.5, 90, 112.5, 135 & 157.5 degrees. Each position has a guaranteed tolerance of +/- 0.05 degrees.

ITEM NO.	DETAILS	PRICE
NBX-OCTO200	200mm Blade	\$57.00
NBX-OCTO300	300mm Blade	\$64.00
NBX-OCTO400	400mm Blade	\$74.00



### Carbatec Combination Square Set

Set contains a centrefinder, protractor, and 90-45 degrees combination square in metric and imperial scale. Rule is 300mm in length in 0.5mm and 1/32" graduations. Supplied in a plastic storage case.

ITEM NO.	DETAILS	PRICE
CSQ-1625		\$69.00



### Carbatec Rosewood & Brass Mitre Square

Blade length of 110mm. Both faces of this mitre square have fitted brass for durability. Rosewood is riveted with solid brass pins to the hardened steel blade.

ITEM NO.	DETAILS	PRICE
CT-260505	45 Degrees	\$17.00



## Topman Japanese Try Square

Made from stainless steel, this instrument combines the best of a 90 degree square and a 45 degree square. The base is 159mm long - height is 100mm. Both scales are set to measure vertical distances when laying out workpieces.

ITEM NO.	DETAILS	PRICE
49N0502		\$38.00



## Veritas Saddle Square

Transferring a line from one surface to another perpendicular surface with a small square is never easy. This saddle square solves the problem by allowing you to scribe two perpendicular surfaces at a time. More importantly, it allows you to pick up on a line already scribed, and accurately transfer it to another face perpendicular to it. With 1-1/4" and 2-1/4" inside legs, it can be used to wrap a line around workpieces up to almost double this. Made of

anodized aluminium, 2" wide, with both end faces machined square to within 0.25 of a degree.

ITEM NO.	DETAILS	PRICE
05N56-01		\$27.00



## Veritas Mitre Saddle

When working on small items such as picture frames, a large combination square or try square can often be cumbersome. Not so with Veritas' mitre saddle. Its relatively small size makes it easy to use. Despite its size, it still has a large reference face (89mm at the wide end) set at 45 degrees. The leg measures 25mm wide by 57mm long.

As with Veritas' saddle squares, the sides are machined so that a line can be easily and accurately transferred around workpiece corners. With the mitre saddle, however, a right-angle line on one surface is transferred as a 45 degrees angle on the adjoining surface, or vice versa. This way, a line for a mitre cut can be wrapped around all surfaces precisely and will meet perfectly at the corners. The inside corner is relieved to ensure perfect registration, even on saw whiskers. Made from anodized aluminium, this marker is light and durable, and will never mark your work.

ITEM NO.	DETAILS	PRICE
05N56-15		\$27.00



## Veritas Poly-Gauge

Many woodworkers find it hard enough to set up equipment for a square cut. The gauge, which is accurate to 1/2 degrees on every angle, can be used with table saws, jointers, radial arm saws, bandsaws, drill presses or other woodworking machines. Used flat, the gauge is ideal for setting mitre fences or for layout work. Used vertically, the slotted knob becomes a stabilising base that holds the gauge erect so that you have both hands free to adjust

and lock a fence or blade. It is ideal for frames, tubs and planters, glued-up cylinders for turning - any job that requires precise setting for 4, 5, 6, 8 or 12 sided mitres. Made from brass and hardened aluminium, the gauge measures 8-1/2" x 6" overall. Instructions included.

ITEM NO.	DETAILS	PRICE
05N14-01		\$60.00

## BAR GAUGES



## Rockler 3-in-1 Bar Gauge

Rockler's 3-in-1 Bar Gauge is not a new tool, in fact has been used for centuries. It does not use metric or imperial measurements; rather tells the user if something is square, or if something is going to fit. Whether checking diagonal measurements for square using the Angled Wedge Tips, or transferring measurements using

the Flat Tips or simply scribing arcs using the Set of beam compass tips, this tool is so simple to use and set up using 3/8", rod or dowel. Included: 2 Bar gauge assemblies, 1 Set of beam compass tips, 2 Flat tips for transferring dimensions, 2 Angled wedge tips for checking diagonals, 2 Hex wrenches.

ITEM NO.	DETAILS	PRICE
RK-53052		\$59.00



## Veritas Bar Gauge

Using a bar gauge lets you directly transfer and compare dimensions without conversion to numbers; reducing the chance of transcription errors. You can even use it to quickly test an assembly for squareness by

checking that the diagonals are equal. Our bar gauge has a base unit that consists of two 6" steel rods fixed to aluminium clamp heads. The rods have threaded end holes that accept interchangeable brass tips or extension rods (included). Three styles of tips are included: ball tips for inside measurements (the rounded ends avoid marring softwood), pointed tips for inside corner measurements, and mushroom-shaped tips to hook over edges for outside measurements. The distance between the ends of the round or pointed tips is equal to the distance between the inside faces of the mushroom-shaped tips. This lets you convert an inside measurement to an outside measurement just by switching tips. The clamp heads have large thumbscrews and slide easily for quick adjustment. The base unit adjusts from 7-1/2".

ITEM NO.	DETAILS	PRICE
05N29-01	Bar Gauge Set	\$110.00
05N29-06	Pair of Additional 12" Extension Rods	\$25.00

## Veritas Bar Gauge Heads



Simple bar gauges are among the most useful tools you can have in your workshop. They are designed to compare and transfer measurements.

Any time you can transfer a dimension directly without converting it to numbers, you eliminate a primary source of error. Bar gauges not only transfer basic measurements, but are unequalled for inside measurements such as sizing shelves or interior trim for windows.

ITEM NO.	DETAILS	PRICE
05N31-01		\$27.00



# MARKING & MEASURING

## SCRIBES



### Veritas Transfer Log Scribe

This tool is used for transferring the contours of one shape onto another. This is what makes it an ideal log scribe, but it also makes it an excellent carpenter's scribe. With a maximum capacity of 12", it is calibrated so that any opening can be used once the double bubbles are set for a given pin and pencil projection. The rotatable double-level post can be adjusted and

locked in any position on either axis. The pointed end of the steel pin is for compass work - the blunt curved end is non-marring for transfer scribing. Other components are non-corroding brass and zinc aluminium alloy. Usable with any standard pencil, it comes with a purple indelible pencil that marks well with light pressure.

ITEM NO.	DETAILS	PRICE
05U05-01		\$210.00



### Groz Machinists Scribe

This scribe is for machinists, engravers, mechanics and craftsmen. A basic tool for scribing and marking, these can be used on metal, glass, plastics and ceramics. Scriber points are hardened to 55-60 HRC. This one is double ended with one straight point and one point bent at 90 degrees making it ideal for use in confined spaces.

ITEM NO.	DETAILS	PRICE
GZ-03210		\$12.00

## SLIDING BEVELS



### Carbatec Sliding Bevel

Made from Rosewood, this sliding bevel features forged brass wing nuts and end caps, and a hardened steel blade for measuring and transferring angles from 0 deg to 90 deg.

ITEM NO.	DETAILS	PRICE
CT-260435	9"	\$29.00



### Veritas Metric Bevel Setter

A sliding bevel is an excellent tool for transferring angles but not for reading them. This bevel setter lets you set specific angles (from 0 degrees to 60 degrees in half degree increments) on a sliding bevel or a workpiece as well as read angles that are already set. Both functions are useful for dovetail-

ing, for machine setup, for polygon work or for accurately fitting a piece in a restricted location. Common dovetail and polygon angles are highlighted on the reverse side. The etched stainless steel blade is 3" (75mm) wide and 7" (178mm) long.

ITEM NO.	DETAILS	PRICE
05N66-03		\$63.00

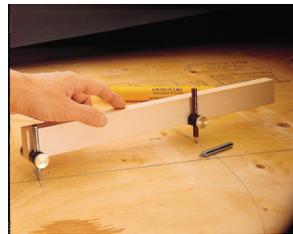
## COMPASSES



### Carbatec Compass Divider/Scriber

Made from steel with a brass pencil holder (pencil not supplied). Also holds a tungsten scribe (supplied). A very robust, well-made tool with too many uses to list here.

ITEM NO.	DETAILS	PRICE
CT-150750	150mm	\$25.00
CT-150760	250mm	\$36.00
CT-150765	300mm	\$44.00



### Veritas Beam Compass Heads

Veritas' solution for making your own workshop-quality beam compass. Heads clamp to any material between 16 to 19mm thick of any length or width. The heads are held solidly on the beam because each clamping knob also operates a trapped pin that prevents pivoting of the head when it is clamped into position. The pins withdraw as the clamping knob is backed off. Since one of the points has an eccentric tip, you only need to clamp the heads approximately - loosen the eccentric tip and get up to 1/8" of fine adjustment by rotating the point. Comes with heads, hardened steel points, a pencil and a plastic storage tube.

ITEM NO.	DETAILS	PRICE
05N50-01		\$89.00



### Veritas Beam Compass

Ordinary compasses don't usually meet the requirements of a wood-working shop. A beam compass (or trammel) is much more practical. This Veritas beam compass handles circles from 38mm to 600mm in diameter. Additional sections allow you to extend it to a full diameter of 2 metres when measuring tables, rockers, arches,

etc. It has carbide tipped pins that readily scribe metal as well as wood, although a pencil head is usually used for scribing wood. A micro-adjustment feature gives you a quick, easy and accurate setting. All of this comes in a handsome wooden case that also includes a small brass centre pivot disc.

ITEM NO.	DETAILS	PRICE
05N30-01		\$199.00

## CONTOUR GAUGES



### Carbatec Compass Divider/Scriber

Allows for accurate outlining of various shapes and forms. Great for copying different moulding profiles or for creating your own templates. Profile gauges may be interconnected to handle longer profiles.

ITEM NO.	DETAILS	PRICE
PCG-908	125mm	\$17.00
PCG-908A	250mm	\$25.00

## MARKING PENS & PENCILS



### Veritas SharpDraw Pencil

Finally, the workshop pencil that never needs sharpening. Looking like a utility knife, the leads are reinforced with carbon-fibre to make them resistant to fracturing. They give a consistent 1mm fine line equivalent to a standard HB pencil. A carpenter's pencil on

one side and a convenient utility style knife on the other. The replacement leads are compatible with most utility knives. They are an ideal choice for paper, plasterboard, melamine and dressed timber.

ITEM NO.	DETAILS	PRICE
61N03-31	Pencil with Lead	\$13.00
61N03-32	Pack of 3 Leads	\$13.00



### PICA Dry Marker

Pica Markers are a good choice for multiple applications. The standard pencil comes with a cap containing a sharpener, and one lead. They are designed to write on many different surfaces, from dry to wet or oily, and smooth or glossy surfaces.

ITEM NO.	DETAILS	PRICE
PICA-3030		\$20.00



### PICA Dry Water Soluble Multi-Use Refill Pack

These red, yellow & white refills are designed for all surfaces, are water soluble, and have good contrast. They are designed to write on many different surfaces, from dry to wet or oily, and smooth or glossy surfaces. They are not temperature resistant.

ITEM NO.	DETAILS	PRICE
PICA-4020	4 Graphite (2B), 2 Red, 2 Yellow	\$14.00
PICA-4030	10 Graphite (2B)	\$14.00
PICA-4031	10 Red	\$14.00



### PICA Dry Water JET Resistant, Permanent Refill Pack

Water jet resistant and designed for almost all surfaces. They are ideal for wet cutting of tiles and stone. They are designed to write on many different surfaces, from dry to wet or oily, and smooth or glossy surfaces.

ITEM NO.	DETAILS	PRICE
PICA-4040	3 Blue, 2 White, 3 Green	\$14.00
PICA-4043	10 White	\$14.00



### Incra Mechanical Pencil

For all INCRA Precision Rules & layouts. As you see in the photo, the micro-fine guide holes on INCRA rules are designed for a perfect mark with the 0.5mm lead size in your mechanical pencil. This design elevates the inexpensive 0.5mm pencil into a precision marking and layout instrument. The eraser removes any errant marks quickly without residue or abrasion.

ITEM NO.	DETAILS	PRICE
IN-IRPENCIL		\$2.00



### Carbatec Carpenters Pencil Set with Sharpener

This set of six carpenters pencils is perfect for cabinet makers and general woodworkers alike. The specially designed sharpener shapes the rectangular pencils to a fine point.

ITEM NO.	DETAILS	PRICE
CT-CPS		\$10.00

## VERNIER CALIPERS



### Carbatec 200mm Digital Caliper

With extra large LCD readout. Reads in metric, imperial and fractional imperial from 0 to 200mm. Stainless steel construction supplied in plastic storage case.

ITEM NO.	DETAILS	PRICE
CDK-200		\$89.00



### Carbatec 150mm Digital Caliper

Made of durable polycarbonate with a large digital display. Instantly converts from imperial to metric. Excellent value for money.

ITEM NO.	DETAILS	PRICE
PDC-730		\$25.00



### Carbatec Mini Vernier Caliper

0 - 70mm range, solid stainless steel construction. Fits perfectly in your pocket. Supplied in vinyl carry case.

ITEM NO.	DETAILS	PRICE
VC-70		\$38.00



### Carbatec Digital Thickness Gauge

Display can read in millimetres, inches, and fractions of inches with a push of a button. This unit also features a very convenient hold function. Capacity 0-150mm.

ITEM NO.	DETAILS	PRICE
ODC-150		\$69.00

# MARKING & MEASURING

## RULES & PROTRACTORS

**NEW**

### Shinwa Easy Pick Up Metric Rule

A useful rule with an outstanding degree of accuracy, +/- 0.15mm, and featuring a bent up lip at one end to make picking up easier. Ideal uses, carvers, woodturners, woodworkers, metalworkers. Made in Japan.

ITEM NO.	DETAILS	PRICE
JTM-1929-002	150mm	\$5.90
JTM-1929-003	300mm	\$11.90

**NEW**

### Shinwa Straight Scale Rule with Stopper

A straight rule in metric up to 150mm, full millimeter markings on one side and half millimeter markings on the other side. The brass stop locks positively to record and transfer measurements.

ITEM NO.	DETAILS	PRICE
JTM-1929-310	150mm	\$17.90



### Carbatec Steel Rule

Stainless steel rule with metric scale.

ITEM NO.	DETAILS	PRICE
RU-150	150mm x 13mm	\$5.00
RU-150W	150mm x 18mm	\$5.00
RU-300	300mm x 25mm	\$7.00



### Gro-Z Stainless Steel Rule

Gro-Z large stainless steel rule.

ITEM NO.	DETAILS	PRICE
GZ-01343	600mm	\$18.00
GZ-01344	1000mm	\$34.00



### Carbatec Clip Rule

Metric and imperial scale. 150mm fitted with moveable pocket clip that doubles as a depth gauge stop.

ITEM NO.	DETAILS	PRICE
CR-6	150mm	\$6.00



### Carbatec Black Self Adhesive Rule

Ideal for table saws, router tables, custom-made jigs and hundred other uses. Dual scale with metric reading to 760mm in 1mm increments and imperial reading to 30" in 1/16" increments.

ITEM NO.	DETAILS	PRICE
76030	762mm	\$10.00



### Veritas Square Fence

The 8" long anodized aluminium extrusion can be readily attached to either the stock or blade of your square with the two integral brass screws. The face of the square fence aligns with the edge of the workpiece while the weight of the framing square rests on the material. One side offers a 1" high face. Flipping it over, the opposite side has a 1/4" face, letting you use it on workpieces this thin without having to slide them to the edge of your workbench. Ideal for use on round-edge material and sheet stock.

ITEM NO.	DETAILS	PRICE
05N54-01		\$42.00



### Veritas Ruler Stop

The Veritas ruler stop increases the usefulness of a metal ruler by providing a solid reference point. It is ideal for setting saw fences, repeat cuts, etc. To use it, slide the stop over the ruler end and tighten it at the desired position. The notched post at the tip of the brass adjustment screw allows even the thinnest rulers to be clamped securely. It will not mar the ruler edge. Repositioning is fast and easy. The anodized aluminium body is contoured to fit comfortably between thumb and forefinger with raised ridges for a better grip. Accommodates rulers from 7/8" (22mm) to 1-1/8" (28.5mm) wide and up to 1.27mm thick, the typical dimensions of rulers in the 300mm to 600mm range. At 1" (25.4mm) wide x about 2-1/4" (57mm) long, this tool is as compact as it is useful.

ITEM NO.	DETAILS	PRICE
05N68-01		\$28.00



### Veritas Steel Chrome Stop Rule

These are handy for layout and machine set-up, because the movable stop provides a reliable reference point. You can use them to locate saw fences, plot the position of hardware mounting holes, set the height of a saw blade or router bit, and draw lines parallel to any flat surface. The stop face is 2" wide for solid registration, and the ruler tip is 7/32" thick to provide a broad land when using the tool as a height gauge. Graduated in Imperial/metric. Each scale has a vernier for adjustment to within 1/128" or 0.1mm without parallax error. Made from chromed steel with a non-glare matte finish, each rule has clear etched and black-filled markings and a knurled locking knob.

ITEM NO.	DETAILS	PRICE
88N89-12	300mm	\$35.00

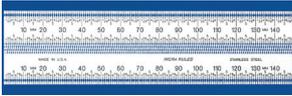


### Inkra Precision Bend Rule

INCR A Bend Rules make dual-surface layouts a snap using its corner slots. Inkra have put micro-fine marking holes at every scale line to instantly locate your sharp pencil point or scribe exactly on target with zero uncertainty and no eye strain! The 90 degrees shape holds it snugly in place while the two scale surfaces let you mark and measure on the top, edge and corners simultaneously!

ITEM NO.	DETAILS	PRICE
IN-BND150M	150mm	\$28.00
IN-BND300M	300mm	\$34.00

## Inkra Marking Rule



Inkra's Metric Marking Rules are precisely what's needed for accuracy. These rules offer marking holes at every 1/4 millimetre! This is unmatched in the industry of marking rules.

ITEM NO.	DETAILS	PRICE
IN-RULE150M	150mm	\$16.50
IN-RULE300M	300mm	\$26.00

## Inkra Decimal/MM Marking Rule



This is the perfect combination of traditional English and modern Metric measuring. This rule offers marking

holes and slots at every 1/20th of an inch and every 1/2 millimetre. This amazing accuracy combined with Inkra's famous ease of use, makes this combination rule a worldwide success.

ITEM NO.	DETAILS	PRICE
IN-RULDM10	10"	\$29.50

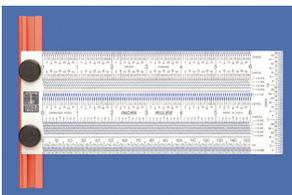
## Inkra Centring Rule



Find the exact centre of any work piece up to 300mm wide. In addition to top and bottom micro-fine marking holes at every 1/32" it also has a built-in protractor with guide slots at every 45 deg., 30 deg., 22.5 deg., and 5 deg. interval.

ITEM NO.	DETAILS	PRICE
IN-CENT300M	300mm	\$33.00

## Inkra Professional T-Rule



This is the most versatile and precise rule Inkra offers. This Professional T-Rule features Inkra's patented marking holes at every 1/16", 1/32", 1/64" & 1/100". It also has marking holes at every 0.5mm as well! You will never be without the correct measurement with this rule.

ITEM NO.	DETAILS	PRICE
IN-TDPROT06	150mm	\$45.00
IN-TDPROT12	300mm	\$58.00

## Inkra Rule



These rules offer Inkra's patented marking holes at every full, 1/4, 1/2 and 3/4mm from 0 to 150mm. They also offer 0 to 50mm height marking slots on the end in millimetres.

ITEM NO.	DETAILS	PRICE
IN-TRUL150M	150mm	\$33.00
IN-TRUL300M	300mm	\$50.50



## Shinwa Bend Rule

Drawing a curve or arc is not always the easiest of things, especially when it needs to look good, as a template or example. Using the bend rule makes this process easier; just mark

the points and bend the rule to meet these and draw the line. Features metric markings on either side, one side from zero to 40cm, and the other measures the centre with zero being in the centre.

ITEM NO.	DETAILS	PRICE
JTM-74845		\$23.90



## Carbatec Flexible Curve with Ruler

This flexible plastic rule is great for making patterns or for marking out curves. A great tool for many uses including sewing, crafts, art and wood-working. Measures to 600mm in 1mm graduations.

ITEM NO.	DETAILS	PRICE
D-00503		\$20.00

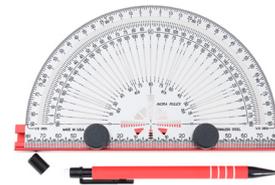


## Shinwa Protractor

A lightweight stainless steel mechanical angle finder capable of measuring a full 180 deg. The knurled nut offers a positive lock, preventing it from slipping after it has been tightened, with all markings being deeply etched and black filled for easy readability and long life.

ITEM NO.	DETAILS	PRICE
JTM-7150-000		\$16.90

## Inkra Precision Protractor



Inkra have reinvented the protractor by putting extra long guide slots at every 45 deg., 30 deg., 22.5 deg., 5 deg., 1 deg., and 0.5 deg interval to plot any angle with ease and absolute accuracy. If you take a few seconds to remove the T-bar you will also have an excellent 160mm rule with micro-fine marking holes at every millimetre.

ITEM NO.	DETAILS	PRICE
IN-PRO160M	160mm	\$48.50

## STRAIGHTEDGES



## Veritas Straightedge

A straightedge in the workshop is the basis for checking straight and flat surfaces. Available in Steel and Aluminium as well as varying lengths, these offer a high degree of accuracy along their length, making them ideal to check the

levels of planed boards, Waterstones, machines etc.

ITEM NO.	LENGTH	MATERIAL	PRICE
05N62-00	12" (305mm)	Steel	\$69.00
05N62-01	24" (609mm)	Steel	\$86.00
05N62-03	36" (914mm)	Steel	\$149.00
05N63-00	18" (457mm)	Aluminium	\$44.00
05N63-01	24" (609mm)	Aluminium	\$55.00
05N63-03	38" (965mm)	Aluminium	\$72.00

# MARKING & MEASURING

## ANGLE FINDERS



### Carbatec Magnetic Angle Finder

Why bother measuring and estimating angles with a hand gauge when you can use this digital tool to provide quick, precise angle readings with your table saw or any other woodwork-

ing machine! This miniature tool provides digital readings from 0 deg to 180 deg to within 0.1 degree accuracy. Secures to a base with integral magnets. The 5 minute auto shutoff will preserve the battery life. Includes battery.

ITEM NO.	DETAILS	PRICE
AFB-15		\$69.00



### Carbatec Heavy Duty Digital Angle Finder

Our latest angle finder that is the HD version of its predecessor with a couple of additional features. This unit is beautifully made of alloy with magnets fixed on both sides (instead of the bottom) of the screen allowing for easy fixture and reading in all situations. The extra-large digital readout also has arrows that indicate which direction

you are reading i.e. - left or right. This is very useful for small angles of 1 or so degrees which may not be ascertainable visually. Includes battery.

ITEM NO.	DETAILS	PRICE
AFB-LD220B		\$89.00



### Carbatec Digital Angle Rule

Carbatec's Digital Angle Ruler offers a way to measure angles with exceptional accuracy, measuring from 0 deg to 360 deg in 0.1 deg increments. The digital display can be zeroed at any location giving the user the chance to measure between specific angles. The

mechanical lock then prevents further movement once the desired angle is reached. Overall length: 400mm open, 200mm when folded. Includes three volt CR2032 lithium battery.

ITEM NO.	DETAILS	PRICE
DAR-200		\$40.00



### Carbatec Angle Finder

For external and internal angles- this is the most efficient and versatile angle finder available. Made of solid aluminium.

ITEM NO.	DETAILS	PRICE
T-103C		\$35.00



### Groz Depth & Angle Gauge

This tool gives you the ability to measure depth and angles simultaneously. The head is made from selected steel and has an attractive black finish. It is graduated (left and right) to 15 degrees, 30 degrees and 45 degrees. The ruler can be set at any of these angles. Length of ruler: 150mm.

ITEM NO.	DETAILS	PRICE
GZ-1214		\$19.00

## HEIGHT GAUGES



### Carbatec Economy Digital Height Gauge

Used primarily on router tables and table saws, this gauge can also be used horizontally when positioning a fence as well. The LCD screen reports measurements in metric, imperial and fractional all at the touch of a button. Measurement resolution as follows: 0.05mm, 0.002" and 1/32" (0.1mm/0.004"). The nylon body houses

es rare earth magnets in the feet when used vertically, allowing virtually hands-free setup of equipment. Battery included.

ITEM NO.	DETAILS	PRICE
RHG-1		\$36.00



### Carbatec Vernier Height Gauge

The Carbatec Vernier Height Gauge is the ideal way to set the height of a router bit or saw table, and can be used in other situations where the height of an object or cutter needs to

be set.

ITEM NO.	DETAILS	PRICE
HG-1		\$39.00



### Carbatec Digital Height Gauge

This height gauge features a digital screen read-out with readings in metric, imperial and fractional imperial. Simply zero it on your table, then slide the arm to the top of your blade or router bit etc for an extremely accurate height reading. The generously oversized magnetic base gives great stability while the L-shaped contact provides

reach over larger router bits. This tool can even be used to accurately set or re-calibrate the analogue scale on your saw, spindle moulder etc.

ITEM NO.	DETAILS	PRICE
DHG-1		\$89.00



### Carbatec Professional Digital Height Gauge

This is our best digital height gauge yet. Featuring a cast iron base, carbide tip and micro adjustment on vernier, this gauge will satisfy the most discerning person. The LCD display also reads in the horizontal which is a plus. Gauge reads to 6" / 150mm.

ITEM NO.	DETAILS	PRICE
HG-D150		\$149.00

## SETUP TOOLS



### Carbatec Double Ended Caliper

Indicates the thickness of the sides of bowls by transferring the measurement to the opposite end of the caliper. An essential tool for any bowl turner.

ITEM NO.	DETAILS	PRICE
CAL-205	205mm	\$18.00
CAL-350	350mm	\$25.00



### Carbatec Spring Caliper Set

Sets include 1 inside calliper, 1 outside calliper and 1 spring divider.

ITEM NO.	DETAILS	PRICE
CT-154120	6"	\$34.00
CT-154130	8"	\$46.00



### Carbatec Inside/Outside Caliper

Made of treated steel that is blackened to minimise rust. Essential for measuring the wall thickness of bowls, vases and other hollow vessels as well

as spindle diameters. As the caliper is forced open by the wall thickness of your workpiece, the measurement is transferred to the opposite end of the calliper, giving you the exact thickness of the vessel wall.

ITEM NO.	DETAILS	PRICE
CT-260960	150mm x 210mm	\$28.00
CT-260975	225mm x 310mm	\$30.00



### Groz Caliper Set in Vinyl Pouch

These are engineering quality precision instruments. The set includes one outside calliper, one inside calliper, and one divider. Supplied in a vinyl wallet for safe keeping.

ITEM NO.	DETAILS	PRICE
GZ-1493	200mm	\$69.00



### Carbatec Deluxe Alignment Set

Allows you to check table saw alignment, arbor shaft run-out, blade and flange run-out as well as fence alignment and straightness. This kit includes: 1" (25mm) capacity dial indicator that measures in 0.001" increments for absolute precision, patented self-adjusting mitre groove.

ITEM NO.	DETAILS	PRICE
DAS-1		\$129.00



### Carbatec Miniature Magnetic Base

Features two machined magnetic faces. Extends to a height of 195mm and has universal ball and socket joints for positioning. Accepts standard 8mm shank dial indicators. Also accepts gauges with 6mm dovetail mounting.

ITEM NO.	DETAILS	PRICE
YW-195	Base Only	\$69.00

### Carbatec Dial Indicator



Graduated in 0.01mm with a range of 0 - 10mm. Fitted with rotating bezel with two moveable guides. Used to measure tolerances with machinery during setup. Supplied with a plastic storage case.

ITEM NO.	DETAILS	PRICE
CG-60	60mm	\$59.00



### Kreg Precision Router Table Setup Bars

These set up bars can easily get your machine set up to the ideal depth, height and width using the concave step for the height of a cutter or blade, the toe for the positioning of a blade, and top step to measure completed cuts. Made from aluminium to prevent the chance of a hard surface damaging your blade or cutter. Sizes 1/8"

(3.18mm), 3/16" (4.75mm), 1/4" (6.35mm), 5/16" (8mm), 3/8" (9.5mm), 7/16" (11.1mm), 1/2" (12.7mm) and are stored in a durable plastic case for their protection.

ITEM NO.	DETAILS	PRICE
KR-PRS3400		\$75.00



### Veritas Metric Set-up Blocks

The Veritas Metric Set-up Blocks come in a nine piece set; two x 0.5mm, one x 1mm, 2mm, 4mm, 8mm and 16mm thick aluminium blocks (a second 16mm thick block is included

to simplify 32mm spacing) and a 25mm x 50mm x 75mm steel block. The 0.5mm and 1mm shims are vinyl due to their delicate thickness. When stacked together, this set has a range from 0.5mm to 123mm, allowing for calibration of a wide variety of machines and cutters. Each shim and block is 50mm in length, and accurate to 0.05mm, the steel block is accurate to an incredible 0.18mm.

ITEM NO.	DETAILS	PRICE
05N58-12	9 Piece Set	\$84.00

# MARKING & MEASURING

## CENTRE FINDERS



### Rockler Center/Offset Marking Tool

Marking the middle of timber is often something that most woodworkers need to do at some point, or even offset from the centre, having such a tool handy saves time building one.

Rockler's Centre/Offset Marking Tool is just that tool, taking most wooden pencils, and able to mark the centre of timber up to 38mm thick. With the embedded magnets it can be attached to a metal surface so is visible all of the time. It can also mark lines that offset to the centre 1/16" to 1/2" from the edge in precise 1/16" increments (1.6mm, 3.2mm, 4.8mm, 6.4mm, 7.9mm, 9.5mm, 11.1mm, 12.7mm), using the notches on the side, so marking the edge of boards up to 12.7mm has now become something that is easy, quick and accurate.

ITEM NO.	DETAILS	PRICE
RK-56094		\$21.00

### Rockler Caliper Gauge/Center Finder



This centre finder quickly sets callipers to any 1/8" increment between 0" and 5". Also featuring a "V" shape on the back and vertical line to cut-out to easily mark the centre line on material that is round or square. The gauge is constructed of durable plastic, with easy to see white markings.

ITEM NO.	DETAILS	PRICE
RK-34010	Gauge Only	\$21.00

### Veritas Centre Marker



Made from aluminium, the Veritas Centre Finder uses a knife-edged steel blade to score the end of a workpiece. In soft wood the lines will be deep enough to hold the drive centre directly, so you won't need to make additional intersecting saw cuts in the drive end of your workpiece.

ITEM NO.	DETAILS	PRICE
05N15-01		\$44.00

### Carbatec Centre Finder



An out of balance piece of timber is more dangerous to work with, and requires more roughing down. Carbatec's Plastic Centre Find allows for very quick marking of the centre, simply place it on the end of the blank between the "V" wedge, and scribe the line, then rotate and repeat the process to get two crossed lines giving the centre point.

ITEM NO.	DETAILS	PRICE
CENTRE-FIND		\$8.00

## OTHER MEASUREMENT TOOLS



### Carbatec Scribe & Autocentre Punch

Two piece set. The scribe body is knurled steel fitted with a tungsten carbide scribing tip, and a magnet inset into the other end near the pocket clip. The Automatic centre punch has adjustable impact pressure, a hardened steel punch tip, and a pocket clip.

ITEM NO.	DETAILS	PRICE
CT-180206		\$23.00



### Carbatec Centre Punch Set

7 piece centre punch set in protective pouch.

ITEM NO.	DETAILS	PRICE
CT-180900	7 Piece	\$21.00



### Groz Nail Punch

Nail punches are manufactured from selected carbon steel, accurately hardened and tempered for increased service life. Clean-cut knurled round shank provides a positive non-slip grip. The 3/8" (9.5mm) square head provides a larger striking area and also prevents the punch from rolling off. The striking end is chamfered to prevent breakage. This range of punches has a black oxide finish.

ITEM NO.	DETAILS	PRICE
GZ-25366	Set of 3	\$17.00



### Shinwa Taper Gauge

Made from hardened stainless, this is the ideal way to measure internal diameters, bore sizes, and clearance gaps from 1mm to 15mm. It is 148mm long and 1.2mm thick. Ideal for carvers, woodturners, woodworkers, and metalworkers.

ITEM NO.	DETAILS	PRICE
JTM-1998-058	1-15mm	\$15.90



### Shinwa Metric Radius Gauge

Made from Hardened Stainless, this gauge measures Radii from 0.5mm to 7mm, or 8mm to 15mm. Ideal for carvers, woodturners, woodworkers, metalworkers, hobbyists.

ITEM NO.	RADII	PRICE
JTM-73570	0.5mm to 7mm	\$17.90
JTM-73571	8mm to 15mm	\$17.90



## Carbatec Odd Job #1 Layout Tool

The historic Stanley #1 Odd Job layout tool is born again. Made by Stanley from 1888 to the early 1930s, it seems as useful today as it would have been back then. We guarantee that if you pull it out now, you'll be the 'talk of the shop'. Made of solid brass and steel,

it is carefully machined on all sides. It's an inside mitre and try square, a depth gauge, a scribing tool for arcs and circles, a T-square, a depth marking scribe (excellent for marking out mortices) and a plumb level. It also includes a 6" brass edge ruler as standard with every Odd Job.

ITEM NO.	DETAILS	PRICE
23N02-01	Tool with 150mm Rule	\$39.00
19S11-02	Additional 300mm Rule	\$19.00

## Carbatec Measuring Set



This set combines all the tools you need to have a starter set of marking tools. The set includes two solid steel engineer's squares (50 & 100mm), a 50mm centre square for marking the centre on round stock, an adjustable square fitted with a 150mm graduated rule, a scribe with spare tip and an adjustable centre punch. These are all housed in a plastic storage case.

ITEM NO.	DETAILS	PRICE
CT-150855	6 Piece Set	\$99.00

## Veritas Tapered Gauge



This aluminium gauge can be used in many ways, for setting fences, router bits and drill-press stops, as well as making any gap easy to measure and fill. The gauge is hard anodised, a process that makes the surface as hard to scratch as tool steel, yet leaves it easy to write on with a pencil. A simple, effective tool in metric graduations of 0.2mm. Features a fine tip .75mm

thick and measures up to 29mm in thickness. Comes with a hard-shell case.

ITEM NO.	DETAILS	PRICE
05N38-03		\$65.00

## Kreg Multi Mark



The Multi Mark is an incredibly handy multipurpose marking and measuring tool, perfect for a wide variety of workshop and jobsite applications. The Multi Mark features three different scale configurations, a built in level, a 3/16" (4.75mm) reveal gauge, and much more. Whether you need to transfer a measurement, lay out mitred corners, or align and straighten project parts, the Multi Mark is the only tool you will need to get the job done.

ITEM NO.	DETAILS	PRICE
KR-KMA2900		\$27.00

## Veritas Tape Tip



A useful companion tool for any tape measure, this odd-looking device helps you measure diagonals with confidence. An angled boss on the underside is designed to locate your tape securely on the inside or outside of corners while you take a measurement.

ITEM NO.	DETAILS	PRICE
50K58-01		\$11.00

