

Robert Sorby



Made in England



introduction

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Video Clip on www.robert-sorby.co.uk



Instructions included



Our history

Robert Sorby is the world's premier manufacturer of specialist woodworking tools with a heritage dating back more than 200 years. During that time Robert Sorby has developed a global reputation for manufacturing the finest edge tools available.

We at Robert Sorby proudly continue this manufacturing tradition from our base in Sheffield, England where today Robert Sorby is one of the city's oldest hand tool manufacturers.

Our mission

Always at the forefront of innovation Robert Sorby happily embraces modern production technology, but we are also immensely proud that hand craftsmanship still plays a pivotal role in the production of our tools.

Our traditions go hand in hand with our vision for the future. We never rest on our laurels and are always looking to forge new ideas and practices to ensure our customers get the best their money can buy. Our catalogue of tools is the envy of our competitors and this year is no exception with new additions to what is already the best selection of turning tools available:

- We have a new jaw and collet tool and a new crush grind tool (see page 7)
- The Sovereign range now accommodates an increased range of tools (see pages 14 - 17)
- See our new Pen Jaws for the Patriot Chuck on page 28.
- Our world beating sharpening system the ProEdge keeps evolving – see the new woodworking jig on page 43)
- We have improved our high performance tools (see the Excelsior range on pages 5, 10 and 16)
- And there's the TurnMaster the first tool to offer three choices of cutting edge materials (see page 10)

Add to this the Sheaf River range of chisels (see page 35) and you can see we've been busy over the last year.

It's not just the quality of Robert Sorby tools that make us the envy of rivals; our customer service is unrivalled too. Our staff members are always on hand to help and our technical experts will be able to answer your questions in a polite and friendly manner. Their confidence comes from years of unparalleled tool manufacture. Every tool that leaves our factory is tested for Rockwell hardness. Every tool is carefully inspected prior to packing and every tool is guaranteed to give you top performance.

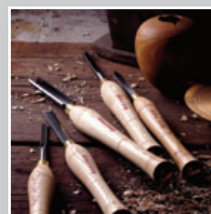
For those that want to know more our website **www.robert-sorby.co.uk** provides a library of useful information for the woodworking enthusiast (see back page for details). You can also follow regular news on **[www.twitter.com/robertsorby](https://twitter.com/robertsorby)** In short, it is our mission to continue being the best.

Our vision

Looking ahead, we will continue developing new ideas to help woodworkers the world over.

Our ongoing programme of demonstrations, exhibitions and shows allows us to talk to our customers worldwide – it is YOUR priceless feedback that allows us to canvas opinions globally, enabling Robert Sorby to continue making the tools woodworkers want.

Sheffield will continue to be our home – 200 years of manufacturing excellence speaks for itself. It is from here that we are able to guarantee and control our unrivalled quality, ensuring our customers continue to reap the rewards of first class workmanship and service – without exception.



starting out woodturning

So you think you want to take up woodturning. Whatever has brought you to that conclusion be aware, turning can be an addictive hobby.

Some approach turning purely for the pleasure, others see it as a part of a larger woodworking project. For many it is an escape where the satisfaction of working with wood eliminates the humdrum of the outside world.

However, before committing yourself there are a number of factors to consider:

Where will I work and what equipment will I need?

Woodturning does require some working space; a garage, shed or workshop is ideal.

You will also need equipment – a lathe, chuck, tools, a tool sharpening system and safety equipment are the basic requirements. Once bitten by the bug you will also need dust extraction equipment and a bandsaw.

What tools do I need to get started?

We always recommend buying the best high speed steel (HSS) tools you can afford. With due care and attention they can last a life-time. Poor quality or badly sharpened tools can lead to frustration and can often be the cause of a novice becoming disillusioned and giving up the hobby. Sharpening is critical to effective turning and is therefore an important skill to learn. A range of sharpening systems are shown on pages 41 to 43. Remember the better your tools are sharpened the longer they will last and the easier they will be to use.

What tools do I need?

See pages 8 and 9 for ideal sets to get you started.

Safety

Health and safety is of the upmost importance when woodturning, so always follow advice.

Here are some fundamental safety tips that must be adhered to at all times:

- Always wear eye protection and a dust mask
- Keep loose clothing and hair away from your lathe
- Do not switch your lathe on if under the influence of alcohol or drugs
- When you do switch on, start at a low speed
- Always use the correct tool for the job
- Make sure the wood is secure before switching on your lathe
- Before removing the wood ensure the lathe chuck has stopped rotating
- Keep your work shop clean and tidy
- Never smoke in the work shop

Above all take care and pay attention when working with any powered machinery and do not take any unnecessary risks.

Where can I learn more about woodturning?

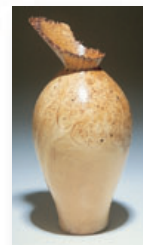
There are numerous instructional books, DVD's and magazines available. However, the quickest and most efficient method for learning is to enrol in a class. They are widely available and can easily be found on the internet. You can also get to know your local woodworking store and join one of the many turning clubs around. There are turners' organisations in many countries. The USA, Canada, the UK, France, Ireland, Australia and New Zealand all have recognised turning associations that will happily introduce you to the turning communities in their respective countries.

Why woodturning?

The reason most turners become consumed by their hobby is that it provides an outlet for their creativity and a place to hone their skill. Turning a rough piece of wood into an object of beauty or function is for most turners a source of tremendous personal satisfaction.

To the increasing numbers of people who take pleasure in the hobby across the world, turning wood is a joy.

Enjoy it.



high speed steel turning tools

Bowl Gouges

Standard Gouge

Ref	Size	Overall Length	Handle Length
842LH	1/4" - 6mm	23"	14"
842LH	3/8" - 10mm	23"	14"
842LH	1/2" - 13mm	23"	14"
842XLH	1/2" - 13mm	26"	17"
842XLH	3/4" - 19mm	26 3/4"	17"

A must in the tool kit of every bowl turner. These tools are ideal for making bowls. They can produce either massive profiling cuts or delicate finishing cuts as necessary.

Fingernail Gouge

Ref	Size	Overall Length	Handle Length
842FLH	1/4" - 6mm	23"	14"
842FLH	3/8" - 10mm	23"	14"
842FLH	1/2" - 13mm	23"	14"

Now available with fingernail grind. Increased flexibility allows for 'pull' cuts - avoiding catching lathe bed. Greater cutting tip area can be used, for heavy profiling cuts and fine, delicate shearing cuts. Easily maintained and sharpened using the Robert Sorby sharpening system - see page 42 - 43.

Spindle Gouges

Standard Gouge

Ref	Size	Overall Length	Handle Length
840H	1/4" - 6mm	16 1/2"	10"
840H	3/8" - 10mm	16 1/2"	10"
840H	1/2" - 13mm	18 1/4"	12"
840H	3/4" - 19mm	18 1/4"	12"

These are detailing tools used on between-centre work, where the grain is running parallel to the lathe bed. Spindle gouges are used to create coves, beads and other profiles on goblets, vases, bed posts, candle sticks and other spindle projects.

Fingernail Gouge

Ref	Size	Overall Length	Handle Length
840FH	3/8" - 10mm	16 1/2"	10"
840FH	1/2" - 13mm	18 1/4"	12"

Ideal for fine detailing on spindle work. Having the wing tips ground back reduces the danger of them catching when working in confined areas.

Long and Strong Gouge

Ref	Size	Overall Length	Handle Length
841H	3/8" - 10mm	19"	10"
841H	1/2" - 13mm	21"	12"

Apart from the length of the blade, the tools are identical to the standard strength gouges. The increased length of the blades allows a further reach into the workpiece.

Continental Style Gouge

Ref	Size	Overall Length	Handle Length
839H	8mm	15 1/2"	10"
839H	12mm	15 1/2"	10"
839H	19mm	16"	10"
839H	25mm	18 1/2"	12"
839H	30mm	18 1/2"	12"
839H	35mm	18 1/2"	12"

Originating from Europe, these tools have gained a reputation for their superb handling qualities on spindle work. Being a forged construction, they have an even wall thickness, thereby increasing finesse without compromising strength.

Spindle Roughing Gouges

Spindle Roughing Gouge

Ref	Size	Overall Length	Handle Length
843H	3/4" - 19mm	19"	12"
843LH	1 1/4" - 32mm	21"	14"

Also known simply as a roughing gouge. Recommended for the initial turning of uneven or square spindle stock to round. The shape of the spindle roughing gouge enables the tool to cut safely with the wings (the tips of the side walls) well back from the workpiece. **Not designed for use on bowl grain projects.**

Ring Tool

Ring Tool

Ref	Size	Overall Length	Handle Length
845H	1/2" - 13mm	18 1/4"	12"

Designed specifically for end grain hollowing. The dual bevels allow for hollowing of internal curved surfaces and flat bottomed vessels. These tools produce an unrivalled surface finish on end grain. Ideal for goblets and egg cups. Comes complete with full instructions.

842LH
Bowl Gouge - Standard

842FLH
Bowl Gouge - Fingernail

840H
Spindle Gouge - Standard

840FH
Spindle Gouge - Fingernail

841H
Long and Strong Spindle Gouge

839H
Continental Spindle Gouge

843H
Spindle Roughing Gouge

845H
Ring Tool



Excelsior

Excelsior High Performance Spindle Gouge

Ref	Size	Overall Length	Handle Length
840GH	1/4" - 6mm	16 1/2"	10"
840GH	3/8" - 10mm	16 1/2"	10"
840GH	1/2" - 13mm	18 1/4"	12"

We have created an increased edge life by bonding Titanium Nitride to our existing HSS tools. Sharpen in the same way as a regular spindle gouge.

Excelsior High Performance Bowl Gouge

Ref	Size	Overall Length	Handle Length
842GLH	1/4" - 6mm	23"	14"
842GLH	3/8" - 10mm	23"	14"
842GLH	1/2" - 13mm	23"	14"

Titanium Nitride coated for increased performance and resistance to edge wear. The cutting edge on these tools will outlast our normal tools by a minimum of three fold. Spend less time sharpening and more time turning. Supplied with standard grind.

Excelsior High Performance Spindle Roughing Gouge

Ref	Size	Overall Length	Handle Length
843GH	3/4" - 19mm	19"	12"

High performance roughing gouge with the cutting edge enhanced by a Titanium Nitride coating.

Skew Chisels

Oval

Ref	Size	Overall Length	Handle Length
809H	1/2" - 13mm	16 1/4"	10"
809H	3/4" - 19mm	16 1/4"	10"
809H	1" - 25mm	18 1/4"	12"
809H	1 1/4" - 32mm	18 1/4"	12"

Delicately balanced tools that are the planes of the spindle turners tool kit. Originally designed at Robert Sorby, the profile allows the tool to glide effortlessly along the tool rest without fear of the edges dragging on the rest. They will smooth cylinders, clean the end grain of spindles, cut shallow curves, beads, pummels and v-cuts, e.g. stair ballustrading and chair legs. These tools are indispensable if a fine finish is required from the tool.

Standard

Ref	Size	Overall Length	Handle Length
810H	1/2" - 13mm	16 1/4"	10"
810H	3/4" - 19mm	16 1/4"	10"
810H	1" - 25mm	18 1/4"	12"
810H	1 1/4" - 32mm	18 1/4"	12"

Rectangular in section, giving this type of skew more weight. This makes them superb for large spindle work, e.g. newel posts and table legs.

Spindlemaster

Ref	Size	Overall Length	Handle Length
812H	1/2" - 13mm	16 1/4"	10"
812H	3/4" - 19mm	16 1/4"	10"
812H	1" - 25mm	18 1/4"	12"

An important addition to the spindle turners armoury. Can be used to plane, bead, cove and trim end grain. Easy to use and sharpen. The polished back belt helps to produce a high quality finish. Exceptional results on softer, traditionally more difficult woods like pine. Illustrated instructions supplied.

Round

Ref	Size	Overall Length	Handle Length
813H	1/4" - 6mm	14"	8 1/2"
813H	3/8" - 10mm	16"	10"
813H	1/2" - 13mm	18"	12"

Intended for use on spindle work. Lightweight, making them highly manoeuvrable. Ideal for production work. Can be used on fine, detailed projects up to larger functional work to produce beads, coves, highlights and other details.

Easybeader

The Easybeader is designed to quickly and efficiently cut a series of evenly spaced beads. Conceived by a production turner who needed to produce bee-hive designs, the Easybeader is simple to use and easy to sharpen. Comes complete with full instructions. Ideal for honey dippers.

Ref	Size	Overall Length	Handle Length
814H	Easybeader 1/4" - 6mm	12 1/2"	8 1/2"
814H	Easybeader 3/8" - 10mm	13 1/2"	8 1/2"
814H	Easybeader 1/2" - 13mm	13 1/2"	8 1/2"

bead forming tools

Ref	Size	Overall Length	Handle Length
835H*	Bead Forming Tool 1/8" - 3mm	13 1/2"	8 1/2"
835H*	Bead Forming Tool 3/16" - 5mm	13 1/2"	8 1/2"
835H*	Bead Forming Tool 1/4" - 6mm	13 1/2"	8 1/2"
835H*	Bead Forming Tool 5/16" - 8mm	13 1/2"	8 1/2"
835H*	Bead Forming Tool 3/8" - 10mm	13 1/2"	8 1/2"
835H	Bead Forming Tool 1/2" - 13mm	13 1/2"	8 1/2"
835H	Bead Forming Tool 5/8" - 16mm	13 1/2"	8 1/2"
835H	Bead Forming Tool 3/4" - 19mm	13 1/2"	8 1/2"

55HS Set of 5 Tools marked with * are available as a boxed set 55HS. Bead forming tools cut perfect semi-circular beads every time. Nose design permits multiple bead designs.

840GH
Spindle Gouge - High Performance

842GLH
Bowl Gouge - High Performance

843GH
Spindle Roughing Gouge - High Performance

809H
Oval Skew

810H
Standard Skew

812H
Spindlemaster

813H
Round Skew

814H
Easybeader

835H
Bead Forming Tool

55HS
Set of 5

Parting Tools

Standard

Ref	Size	Overall Length	Handle Length
830H	1/8" - 3mm	13 1/2"	8 1/2"
830H	1/4" - 6mm	17"	10"

Used to part the finished project off from the waste material, the parallel sides make for a rigid tool that handles well. The 1/8" - 3mm tool reduces the amount of waste, vital if using an expensive wood.

It also makes for a fine detailing tool, e.g. beads and fillets.

Slim

Ref	Size	Overall Length	Handle Length
830SH	1/16" - 2mm	10 1/2"	6"

The slim blade allows for a very fine parted section to be achieved.

This is especially useful when grain match after parting is required. e.g. parting a lid from its box. The blade is 1 1/4" deep giving strength to such a thin section which eliminates flex and vibration.

Diamond section

Ref	Size	Overall Length	Handle Length
831H	3/16" - 5mm	17"	10"

The special profile of this tool reduces the risk of binding in the cut. It also reduces the amount of heat build up caused by friction, thereby lessening the chance of burning the bottom of the parted off project.

Fluted

Ref	Size	Overall Length	Handle Length
832H	3/16" - 5mm	18 1/2"	12"

This parting tool has a flute running along the bottom edge, creating two sharp spurs at the cutting face. These sever the fibres to produce a burnished finish. The tapered profile also reduces the risk of binding in the cut.

Fluted

Ref	Size	Overall Length	Handle Length
832H	1/16" - 2mm	18 1/2"	12"

This features a radically new and unique cutting profile with a blade profile of only 2mm. The long bevel has a flute which is the cutting face. The small bevel is the sharpening face. When parting off this unique arrangement causes the tip to always cut at a shear cutting angle of 45°, producing a finish without equal from a parting tool, virtually eliminating the need for sanding.

Beading and Parting

Ref	Size	Overall Length	Handle Length
833H	3/8" - 10mm	18 3/4"	12"

A versatile tool used for parting off as well as producing beads. Its size makes it very stable, but also very sensitive in use. Ideal for creating the spigots to fit in a chuck. Can be used with Sizing Tool.

Bedan

Ref	Size	Overall Length	Handle Length
834H	3/8" - 10mm	18 3/4"	12"

Used in the same way as the beading and parting tool, the relieved side bevel allows the tool to plunge cut in bowls and boxes with little risk of binding. Can be used with Sizing Tool.

Scrapers

Round Nose

Ref	Size	Overall Length	Handle Length
820H	1/2" - 13mm	16"	10"
820H	3/4" - 19mm	16"	10"
820H	1" - 25mm	18 1/2"	12"

Used on bowls and platters to create smooth flowing curves.

Square End

Ref	Size	Overall Length	Handle Length
823H	1/2" - 13mm	16"	10"
823H	3/4" - 19mm	16"	10"
823H	1" - 25mm	18 1/2"	12"

For finishing convex and flat bottomed forms. The end profile can be modified to a specific shape as required.

Curved

Ref	Size	Overall Length	Handle Length
828H	3/4" - 19mm	16"	10"

The curved end profile makes this excellent for creating, smoothing and blending curved surfaces in bowl work, e.g. round bottomed boxes. This tool is able to take an aggressive cut, whilst retaining butterfly sensitivity for refining cuts.

830H
Standard Parting Tool

830SH
Slim Parting Tool

831H
Diamond Parting Tool

832H
3/16" Fluted Parting Tool

832H
2mm Fluted Parting Tool

833H
Beading and Parting Tool

834H Bedan

820H
Round Nose Scraper

823H
Square End Scraper

828H
Curved Scraper



Scrapers

Box

Ref	Size	Overall Length	Handle Length
829H	3/4" - 19mm	16"	10"

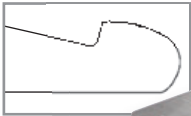
The special cutting profile of this new scraper makes it ideal for cutting the parallel side walls of end grain boxes. The small radius on the point at the bottom of the cutting section creates a smooth intersection between the side wall and flat bottomed vessels. The profiles cause this to be very responsive and sensitive in use.



Round/Side Cut

Ref	Size	Overall Length	Handle Length
824H	3/4" - 19mm	18 1/2"	10"

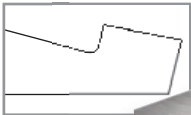
Designed for blending the parallel side wall and the curved bottom of vessels and boxes together. It is excellent for undercutting the rims of small bowls.



Diamond/Side Cut

Ref	Size	Overall Length	Handle Length
825H	3/4" - 19mm	18 1/2"	10"

Used on square bottomed boxes the end profile allows the tool to create a right angled juncture between side wall and bottom. The 85° angle at the end prevents the tool from cutting the side wall and the bottom at the same time.



Hardwood Scraper

Ref	Size	Overall Length	Handle Length
821H	3/4" - 19mm	16"	10"

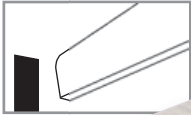
Originally designed to tackle hardwoods when producing musical instruments, this scraper features a negative rake on the bevel. This in turn reduces the risk of tear-out of the fibres of the wood and leaves a beautiful polished surface on all types of wood. The Hardwood Scraper is just as effective on bowl work as on spindle work.



Jaw and Collet Tool

Ref	Size	Overall Length	Handle Length
817H	3/4" - 19mm	16"	10"

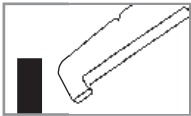
Designed to cut the perfect dovetail required on a tenon or in a recess when mounting a timber blank on the jaws or collets of a woodturning chuck.



Crush Grind Tool

Ref	Size	Overall Length	Handle Length
895CGH	N/A	16"	10"

Designed to cut the two recesses in the correct position to fit the Crush Grind Salt/Pepper grinder mechanisms



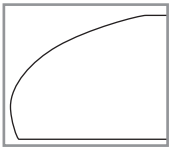
Heavy Duty Scrapers

All heavy duty finishing scrapers are produced in a massive 1 1/2" x 3/8" (38mm x 10mm) section. This means that they absorb vibrations and are stable in use making them ideal for long overhangs over the tool rest when producing deep vessels, larger bowls and platters.

Bowl Finishing Outboard Scraper

Ref	Size	Overall Length	Handle Length
8007LH	1 1/2" - 38mm	21"	14"

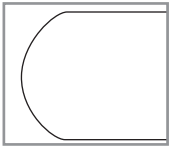
Designed for finishing when working in the outboard mode of the lathe.



Full Round Scraper

Ref	Size	Overall Length	Handle Length
8004LH	1 1/2" - 38mm	21"	14"

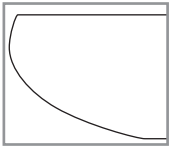
For finishing on bowls and platters especially where a smooth curve is required.



Bowl Finishing Inboard Scraper

Ref	Size	Overall Length	Handle Length
8008LH	1 1/2" - 38mm	21"	14"

Designed for finishing bowls when working inboard.



829H
Box Scraper

824H
Round/Side Cut Scraper

825H
Diamond/Side Cut Scraper

821H
Hardwood Scraper

817H
Collet / Jaw Tool

895
Crush Grind Tool

8007LH
Bowl Finishing Outboard Scraper

8004LH
Full Round Scraper

8008LH
Bowl Finishing Inboard Scraper

turning tool sets

Buying sets of turning tools can be an extremely economical introduction to woodturning. At Robert Sorby we produce tool sets in three different sizes: Micro (10" length) ideal for miniature work and pen turning projects (see pages 11-13), Intermediate (14" length) excellent as an introductory set or for handling small projects and more detailed work, and Full Size (16"-19" length) the best tools in the business for standard woodturning projects. Made from the very best high speed steel, these tools are hardened and tempered to Robert Sorby's own specific requirements, with polished flutes and hand finished ash handles, these sets demonstrate all the hallmarks of Robert Sorby quality.

Intermediate (52HS)

This five piece set is extremely popular with novices. It offers superb quality tools for those that may be on a tighter budget. Each tool is crafted in the same way as the larger full size options. Each is hardness tested to ensure every tool passes the strict Robert Sorby quality control test. This is the benchmark that has made Robert Sorby the envy of competitors and earned us the reputation of being the best in the business.

This set comprises of:

- 3/4" Spindle roughing gouge - turns square to round, a real work horse
- 3/8" Spindle gouge - details spindle work
- 1/2" Flat skew chisel - ideal for planing and smoothing cylinder shapes
- 1/8" Parting tool - for parting off work and great for detailing
- 1/2" Scraper - just the job for bowls and platters



52HS

	Roughing	Gouges Spindle			Bowl	Skew Chisels			Parting Tools		Scrapers	
	3/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	3/4"	1/8"	3/16"	1/2" Rnd	1" Squ
52HS*	■		■			■			■		■	

* Tools in this set are 14" long.

Full Size (67HS)

This is Robert Sorby's flagship set and our most popular tool combination. Suitable for anyone into turning from beginners through to professionals

We strongly believe that anyone starting out turning should buy the best tools they can afford. This set comprises six of Robert Sorby's core range. These are the standard by which the best of the rest follow and are a great introduction to those who have made up their minds turning is for them.

Each set consists of:

- 3/4" Spindle roughing gouge - turns square to round, a real work horse
- 3/8" Spindle gouge - details spindle work
- 3/8" Bowl gouge - makes light work of the hardest material and will quickly turn bowls
- 3/4" Oval skew chisel - ideal for planing and smoothing cylinder shapes and profile means you're less likely to catch an edge
- 1/8" Parting tool - for parting off work and great for detailing
- 1/2" Round scraper - just the job for bowls and platters



67HS

	Roughing	Gouges Spindle			Bowl	Skew Chisels			Parting Tools		Scrapers	
	3/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	3/4"	1/8"	3/16"	1/2" Rnd	1" Squ
67HS	■		■		■			■	■		■	



Full Size (advanced) (82HS)

The most comprehensive of Robert Sorby's full size sets. This eight piece deluxe set carries all the core tools a turner will need to accomplish many basic projects and more. It contains two sizes of spindle roughing gouge to accommodate varying sized projects and two scrapers (round and square); the round scraper is ideal for creating flowing curves and the square is perfect for finishing convex and flat bottomed forms.

The set consists of:

- 3/4" Spindle roughing gouge - turns square to round, a real work horse
- 1/4" Spindle gouge - details spindle work
- 1/2" Spindle gouge - provides greater variety for engaging spindle work
- 3/8" Bowl gouge - makes light work of the hardest material and will quickly turn bowls
- 3/4" Standard skew chisel - the square profile providing greater weight means the tool is excellent for handling larger spindle work such as newel posts and table legs
- 3/16" Parting tool - for parting off work and great for detailing
- 1/2" Round scraper - just the job for bowls and platters
- 1" Square scraper - ideal for flat bottomed projects and can be easily re-profiled to suit the turner



	Roughing	Gouges		Bowl	Skew Chisels			Parting Tools		Scrapers	
		Spindle			Standard	Oval		Standard	Diamond	Rnd	Squ
82HS	3/4"	1/4" 3/8"	1/2"	3/8"	1/2" 3/4"	3/4"		1/8"	3/16"	1/2"	1"



All Robert Sorby's intermediate and full size tool sets are presented in beautifully crafted boxes made by MM Bell of Sheffield. These boxes are of the highest quality and make a striking visual impact especially if gifted as a present.

This beautifully crafted, hand stitched leather tool roll has been made with the finest hide. Sourced locally from Sheffield this item is ideal for carrying your tools to and from club and chapter meetings. A long lasting nylon strap and D ring make securing tools quick and easy.



A five piece tool set with Robert Sorby branded leather tool roll provides the turner with a ready to go first class set of tools and storage facility that will keep tools in top condition when travelling to club or chapter meetings. This set is the same as the 67HS but does not include the skew. The leather tool roll offers six pockets so turners can choose their own sixth tool. Comes with tool storage and protection advice.

- 3/4" Spindle roughing gouge - turns square to round
- 3/8" Spindle gouge - puts detail on spindles
- 3/8" Bowl gouge - a must for anyone wanting to turn bowls
- 1/8" Parting tool - for parting off work at the end and also adding detail.
- 1/2" Scraper - just the job for bowls and platters

	Roughing	Gouges		Bowl	Skew Chisels			Parting Tools		Scrapers	
		Spindle			Standard	Oval		Standard	Diamond	Rnd	Squ
5HSTLR	3/4"	1/4" 3/8"	1/2"	3/8"	1/2" 3/4"	3/4"		1/8"	3/16"	1/2"	1"



TurnMaster

NEW

Providing choice and flexibility in one easy to handle tool.

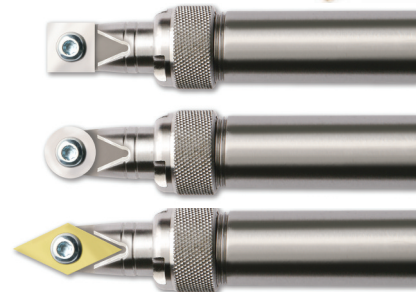
The Robert Sorby **TurnMaster** is the first tool in the world to combine three cutting edge technologies in one flexible system.

It offers woodturners the choice of tungsten carbide, titanium nitride or high speed steel cutters to ensure turning projects can be completed quickly and easily by novices and professionals alike.

An unprecedented range of parts and cutters make it the most versatile and value added tool concept on the market today.

Unlike other tools on the market the Robert Sorby TurnMaster has a patented lock-tight head that can be set to three positions 1, 2 and 3 (see graphic) allowing for shear scraping and flat scraping actions.

These angled alternatives create less dust by slicing through the timber fibres efficiently, reducing the resistance from the natural grain of the wood and allowing for a superior finish to that of traditional scraping.



TurnMaster... the tool with the vision to educate and inspire

Tungsten carbide:

Makes light work of tough material and gives excellent longevity.

Sharpens to 0.7 – 1 microns.

Hardness: 90 RC.

Material: micro grade tungsten carbide

High Speed Steel (HSS):

Sharpens to an ultra sharp edge for greater detailing potential.

Sharpens to 0.2 – 0.4 microns.

Hardness: 62 RC.

Material: M2 HSS

Titanium nitride (TiN) coating:

Provides the same advantages as HSS but gives added longevity before sharpening is required.

Sharpens to 0.15 – 0.2 microns.

Hardness of coating up to 85 RC.

Material: Titanium nitride on M2 HSS

	Code	Cutter Description	Material	Use	Sharpening
	RSTM-CT1	Round Tungsten Carbide	Tungsten Carbide	Internal waste removal and shaping	✗
	RSTM-CT2	Detail Point Tungsten Carbide	Tungsten Carbide	Line detailing	✗
	RSTM-CT3	Square Tungsten Carbide	Tungsten Carbide	Initial external waste removal and straight edge shaping	✗
	RSTM-TIP1	HSS Round	High Speed Steel	Internal waste removal, shaping and finishing	✓
	RSTM-TIP2	HSS Detail Point	High Speed Steel	Line detailing and finishing	✓
	RSTM-TIP3	HSS Square	High Speed Steel	External waste removal, straight edge shaping and finishing	✓
	RSTM-TIP4	HSS French Curve / Inside	High Speed Steel	Internal shaping and finishing	✓
	RSTM-TIP5	HSS Box / Dovetail	High Speed Steel	Parallel side walls perfect for box making and creating dovetails	✓
	RSTM-TIP6	HSS Teardrop / Inside / Outside	High Speed Steel	Perfect for scraping / shear scraping inside and outside	✓
	RSTM-TIP7	HSS Mushroom	High Speed Steel	Undercutting small hollow forms	✓
	RSTM-GT1	HSS Excelsior Round	Titanium Nitride Coated HSS	Internal waste removal, shaping and finishing	✓
	RSTM-GT2	HSS Excelsior Detail Point	Titanium Nitride Coated HSS	Line detailing and finishing	✓
	RSTM-GT3	HSS Excelsior Square	Titanium Nitride Coated HSS	External waste removal, straight edge shaping and finishing	✓
	RSTM-GT4	HSS Excelsior French Curve / Inside	Titanium Nitride Coated HSS	Internal shaping and finishing	✓
	RSTM-GT5	HSS Excelsior Box / Dovetail	Titanium Nitride Coated HSS	Parallel side walls perfect for box making and creating dovetails	✓
	RSTM-GT6	HSS Excelsior Teardrop / Inside / Outside	Titanium Nitride Coated HSS	Perfect for scraping / shear scraping inside and outside	✓
	RSTM-GT7	HSS Excelsior Mushroom	Titanium Nitride Coated HSS	Undercutting small hollow forms	✓
	RSTM-HEAD	TurnMaster head only - no cutter	N/A	Spare head for fitting additional cutters for extra versatility	N/A
	RSTM-TH	Cutter Holder	N/A	For holding cutters when sharpening	N/A

Note: this is not the same as the tip holder on page 19

✗ No sharpening required

✓ Sharpening required



micro turning tools

The unique sizes and profiles provide the flexibility of approach and tool control that are essential for fine detail work. They are ideal for working on smaller lathes where fouling the bed bars is a problem with conventional tools.

Ref		Size	Overall Length	Handle Length
860H	Hardwood Scraper	1/4" - 6mm	10"	6 1/4"

Ref		Size	Overall Length	Handle Length
861H	Spindle Gouge	1/4" - 6mm	10"	6 1/4"
862H	Spindle Gouge	1/8" - 3mm	10"	6 1/4"
863H	Round Nose Scraper	1/4" - 6mm	10"	6 1/4"
864H	Skew Chisel	1/4" - 6mm	10"	6 1/4"
865H	Parting Tool	1/16" - 2mm	10"	6 1/4"

45HS Set of 5 Above 5 tools are available as a spindle turners set. Ideal for those making dolls house furniture.



45HS
Set of 5

Ref		Size	Overall Length	Handle Length
866H	Roughing Gouge	5/16" - 8mm	10"	6 1/4"
867H	Spindle Gouge	1/4" - 6mm	10"	6 1/4"
868H	Shear Scraper	3/8" - 10mm	10"	6 1/4"
869H	Skew Chisel	1/2" - 13mm	10"	6 1/4"
870H	Fluted Parting Tool	1/16" - 2mm	10"	6 1/4"

46HS Set of 5 This intermediate set is for those projects a little larger in size. They feature slightly heavier blade sections. Ideal for small boxes and vessels up to 4".



46HS
Set of 5

Ref		Size	Overall Length	Handle Length
871H	Bedan	1/4" - 6mm	10"	6 1/4"
872H	Curved Scraper	3/8" - 10mm	10"	6 1/4"
873H	Hollowing Tool	3/16" - 5mm	10"	6 1/4"
874H	Round Skew	1/8" - 3mm	10"	6 1/4"
875H	Round Skew	1/4" - 6mm	10"	6 1/4"

47HS Set of 5 A combination set offering miniature hollowing tools and fine round skew chisels for spindle and detailing work.



47HS
Set of 5

Ref		Size	Overall Length	Handle Length
866H	Roughing Gouge	5/16" - 8mm	10"	6 1/4"
865H	Parting Tool	1/16" - 2mm	10"	6 1/4"
879H	Spindlemaster	1/2" - 13mm	10"	6 1/4"

36HS Pen Turning Set This set of micro turning tools has been specifically designed for the pen turner.



36HS
Pen Turning Set

Ref		Size	Overall Length	Handle Length
876H	Straight Tool	3/16" - 5mm	10"	6 1/4"
877H	Cranked Tool	3/16" - 5mm	10"	6 1/4"
878H	Hook Tool	3/16" - 5mm	10"	6 1/4"

38HS Mini Hollowing Set (Ornamental) This set of micro turning tools has been specifically designed for miniature hollowing.



38HS
Mini Hollowing Set



modular micro tool sets

This range of tools was devised by Robert Sorby following the success of the Sovereign system. This miniature version is centred on two sizes of aluminium handle in to which a series of micro tools can easily be fitted. This gives the turner the option of extra flexibility as they build up their own collection of the custom-built tools that fit this system.

The system is available in seven formats or sets (although blades and attachments are also available individually – see opposite page). The pinnacle of these is the new Micro Modular 18 piece box set (pictured) which encompasses the entire system. The others are combinations of the system and include the 12 blade set which is a rolled into one version of the Pen Set, Hollowing Set and the Spindle Sets, which are still available as individual sets too. A further two options are offered: the Spiralling Set and the ever popular Sandmaster kit. These tools are all scaled down versions of popular full sized models and give the turner greater control of projects in miniature.



Ref	Description
888HS18T	18 Piece Modular Micro Set
888	Aluminium Handle
888/2	Micro 1/2" (13mm) SpindleMaster
888/1	Micro 1/2" (13mm) Roughing Gouge
888/3	Micro 1/16" (2mm) Parting Tool
888/4	Micro 1/2" (13mm) Gouge
888/5	Micro 5/32" (4mm) Beading and Parting Tool
888/6	Micro Boring Tool
888/7	Micro Swan Neck Hollowing Tool
888/8	Micro 1/4" (6mm) Skew
888/9	Micro Round Nose Scraper
888/10	Micro Curved Undercut Scraper
888/11	Micro French Curve Scraper
888/12	Micro Diamond Undercut Scraper
888/0	Micro Sandmaster Tool Unhandled
370/0	Micro Spiralling Tool Unhandled
867	Spindle Gouge 1/4" (6mm)
868	Micro Shear Scraper
873	Hollowing Tool
875	Round Skew

Ref	Description
888HS12T	12 Piece Modular Micro Set
888	Aluminum Handle
888/1	Micro 1/2" (13mm) Roughing Gouge
888/3	Micro 1/16" (2mm) Parting Tool
888/4	Micro 1/2" (13mm) Gouge
888/5	Micro 5/32" (4mm) Beading and Parting Tool
888/6	Micro Boring Tool
888/7	Micro Swan Neck Hollowing Tool
888/8	Micro 1/4" (6mm) Skew
888/9	Micro Round Nose Scraper
888/10	Micro Curved Undercut Scraper
888/11	Micro French Curve Scraper
888/12	Micro Diamond Undercut Scraper
867	Spindle Gouge 1/4" (6mm)

Ref	Description
86HS	Pen Set
888	Handle
888/1	Micro 1/2" (13mm) Roughing Gouge
888/2	Micro 1/2" (13mm) Spindle Master
888/3	Micro 1/16" (2mm) Parting Tool



Ref	Description
87HS	Hollowing Set
888	Handle
888/6	Micro Boring Tool
888/7	Micro Swan Neck Hollowing Tool
888/9	Micro Round Nose Scraper



Ref	Description
88HS	Spindle Set
888	Handle
888/4	Micro 1/2" (13mm) Gouge
888/5	Micro 5/32" (4mm) Beading and Parting Tool
888/8	Micro 1/4" (6mm) Skew



Ref	Description
370A	Spiralling Tool
888	Handle
370/0	Micro Spiralling Tool Unhandled

Supplied with a medium and fine cutter, additional texturing cutters available



Ref	Description
888SM	Sandmaster
888	Handle
888/0	Micro Sandmaster Tool Unhandled

Includes eight abrasive discs - two of each grit size (120, 180, 240 and 400)



modular micro tools

Although the focus of the micro system is geared around the provision of bespoke kits and sets, all tools and accessories are available individually to ensure turners can build their own customised sets.



Ref	Description
889	Aluminum Handle (long)
888	Aluminum Handle
888/1	Micro 1/2" (13mm) Roughing Gouge
888/2	Micro 1/2" (13mm) Spindle Master
888/3	Micro 1/16" (2mm) Parting Tool
888/4	Micro 1/2" (13mm) Gouge
888/5	Micro 5/32" (4mm) Beading and Parting Tool
888/6	Micro Boring Tool
888/7	Micro Swan Neck Hollowing Tool
888/8	Micro 1/4" (6mm) Skew
888/9	Micro Round Nose Scraper
888/10	Micro Curved Undercut Scraper
888/11	Micro French Curve Scraper
888/12	Micro Diamond Undercut Scraper
868	Micro Shear Scraper
867	Spindle Gouge 1/4" (6mm)
873	Hollowing Tool
875	Round Skew

Micro Spiralling Tool

The micro spiralling tool comes complete with two spiralling cutters and is used in exactly the same way as the conventional Spiralling System depicted on page 24.

A further texturing cutter is available as an optional extra. Instructions included.

Ref	Description
370A	Micro Spiralling Tool
370/0	Micro Spiralling Tool Unhandled
Optional Extras	
370/01	Fine Spiral Cutter
370/02	Medium Spiral Cutter
370/03	Texturing Cutter



Micro Sandmaster

Like its full-sized equivalent on page 25 the micro sandmaster has an adjustable head for access into tight corners. It comes with a velcro covered sponge pad onto which four different grits of abrasive may be attached.

Ref	Description
888/0	Micro Sandmaster Unhandled
Optional Extras	
411	Foam Pad
411A120	Abrasive Discs (pack of 10)
411A180	Abrasive Discs (pack of 10)
411A240	Abrasive Discs (pack of 10)
411A400	Abrasive Discs (pack of 10)



Modular micro universal 6 piece set with leather tool roll

This all-round micro woodturning set is ideal for woodturners interested in turning small and delicate pieces. It includes a Modular micro handle, roughing gouge, spindle gouge, skew, parting tool, round nose scraper and box hollowing scraper.

The easy to carry and store leather tool roll will keep your tools safe and in good condition and comes with the added versatility of extra pockets so additional blades from the micro tool range can be added.

Ref	Description
888HS6TLR	Modular micro tools in leather tool roll



sovereign system



The *Sovereign* handle system is a beautifully engineered interchangeable handle that not only looks good but has the perfect feel and balance. The Softex non-slip grip provides comfort and stability even during long periods of use.

The Sovereign system has been improved immeasurably in the last year to enable the system to now accommodate all of the Robert Sorby handled tool range. This has been achieved with the introduction of the latest of the four collets now available for the system – the Tang collet (SOV-CT) (see opposite page).

The Sovereign system now offers woodturners these options:

- Available in three lengths 12", 16" and 22"
- Coupler allowing handles to be joined together for extra length and added support
- The Sovereign system now has increased versatility due to the availability of four collets enabling tools of 1/4", 3/8" and 1/2" diameter to be used in the system as well as flat tang tools such as spindle roughing gouges (see opposite page). Tools with a 5/8" diameter shank fit directly into the handle. For tool fitting requirements see the key on the opposite page.
- Availability of high performance tools with the introduction of the NEW Excelsior (titanium coated) range and the unique three cutting edge material offered by the NEW TurnMaster tool (see pages 10)

Bowl Gouge	Ref	Size
As the name suggests these tools are ideal for making bowls but are versatile enough to make large profiling cuts or delicate finishing cuts.	842	1/4" - 6mm ▲
	842	3/8" - 10mm ■
	842	1/2" - 13mm #
	842	3/4" - 19mm #

Fingernail Bowl Gouge	Ref	Size
This tool provides even greater flexibility allowing for pull cuts – avoiding catching the lathe bed. It has a greater cutting tip area for heavy profiling cuts and delicate shearing cuts. Easily maintained using the Robert Sorby ProEdge sharpening system.	842F	1/4" - 6mm ▲
	842F	3/8" - 10mm ■
	842F	1/2" - 13mm #
	842F	3/4" - 19mm #

Spindle Gouge	Ref	Size
A detailing tool used on 'between-centre' work where the grain is running parallel to the lathe bed. Used to create coves, beads and other profiles on goblets, vases, bed posts and other spindle projects.	840	3/8" - 10mm ▲
	840	1/2" - 13mm ■
	840	1/4" - 6mm +

Fingernail Spindle Gouge	Ref	Size
Perfect for detailing spindle work. Ground back wing tips reduce the danger of catching.	840F	3/8" - 10mm ▲
	840F	1/2" - 13mm ■

Long and Strong Spindle Gouge	Ref	Size
Identical to the standard length gouge but with further reach capacity into the work piece.	841	3/8" - 10mm ▲
	841	1/2" - 13mm ■

Midi Multi-Tip Hollowing Tool	Ref
This is the smaller version of its big brother the Multi-Tip Hollowing Tool. Ideal for hollowing smaller forms.	SOV-RS100 ■

Multi-Tip Hollowing Tool	Ref
The most versatile turning tool available and ideal as a first hollowing tool. It features a solid half round shank and interchangeable tips which combine to offer the turner a variety of options. The various cutters and tips available for this tool match those shown with the handled version on page 20.	SOV-RS200 ■

Extra Long Multi-Tip Hollowing Tool	Ref
The larger version of the Multi-Tip Hollowing Tool, ideal for reaching further and creating larger hollow forms.	SOV-RS300 #

Midi Hollowmaster	Ref
A scaled down version of the Hollowmaster – ideal for miniature hollowing projects.	SOV-RS130 ■

Hollowmaster	Ref
The perfect companion to the Multi Tip Hollowing Tool. It uses the same solid 3/4" flat shank providing excellent support when laid flat on the tool rest, allowing you to cut wood easily without the tool turning over. The swan neck design means the Hollowmaster can reach difficult to get to spots. The Hollowmaster also has interchangeable tips. For hollowing there is a rounded tip to give a nice sweeping curve in the turned vessel and for fine finishing there is a full round scraper cutter.	SOV-RS230 ■

SOV-225
Sovereign System 22"

SOV-165
Sovereign System 16"

SOV-125
Sovereign System 12"

842
Bowl Gouge

842F
Fingernail Bowl Gouge

840
Spindle Gouge

840F
Fingernail Spindle Gouge

841
Long and Strong
Spindle Gouge

SOV RS100
Midi Multi Tip Hollow Tool

SOV RS200
Multi Tip HollowTool

SOV RS300
Extra Long Multi Tip
Hollow Tool

SOV RS130
Midi Hollowmaster

SOV RS230
Hollowmaster



Extra Long Hollowmaster	Ref
This version of the Hollowmaster enables the turner to reach even further into the worked vessel	SOV-RS340 #

Round Nose Scrapers	Ref	Size
Used on bowls and platters to create smooth flowing curves.	820	1/2" - 13mm *
	820	3/4" - 19mm *
	820	1" - 25mm *

Square End Scrapers	Ref	Size
For finishing convex and flat bottomed forms. The end profile can be modified to a specific shape as required.	823	1/2" - 13mm *
	823	3/4" - 19mm *
	823	1" - 25mm *

Hardwood Scraper	Ref	Size
Originally designed to tackle hardwoods when producing musical instruments, this scraper features a negative rake on the bevel. This in turn reduces the risk of tear-out of the fibres of the wood and leaves a beautiful polished surface on all types of wood. The Hardwood Scraper is just as effective on bowl work as on spindle work.	821	3/4" - 19mm *

Round/Side Scraper	Ref	Size
Designed for blending the parallel side wall and the curved bottom of vessels and boxes together. It is excellent for undercutting the rims of small bowls.	824	3/4" - 19mm *

Diamond/Side Scraper	Ref	Size
Used on square bottomed boxes the end profile allows the tool to create a right angled juncture between side wall and bottom. The 85° angle at the end prevents the tool from cutting the side wall and the bottom at the same time.	825	3/4" - 19mm *

Curved Scraper	Ref	Size
The curved end profile makes this excellent for creating, smoothing and blending curved surfaces in bowl work, e.g. round bottomed boxes. This tool is able to take an aggressive cut, whilst retaining butterfly sensitivity for refining cuts.	828	3/4" - 19mm *

Box Scraper	Ref	Size
The special cutting profile of this new scraper makes it ideal for cutting the parallel side walls of end grain boxes. The small radius on the point at the bottom of the cutting section creates a smooth intersection between the side wall and flat bottomed vessels. The profiles cause this to be very responsive and sensitive in use.	829	3/4" - 19mm *

Oval Skews	Ref	Size
Delicately balanced tools that are the planes of the spindle turners tool kit. Originally designed at Robert Sorby, the profile allows the tool to glide effortlessly along the tool rest without fear of the edges dragging on the rest. They will smooth cylinders, clean the end grain of spindles, cut shallow curves, beads, pummels and v-cuts, e.g. stair ballustrading and chair legs. These tools are indispensable if a fine finish is required from the tool.	809	1/2" - 13mm *
	809	3/4" - 19mm *

Standard Skews	Ref	Size
Rectangular in section, giving this type of skew more weight. This makes them superb for large spindle work, e.g. newel posts and table legs.	810	1/2" - 13mm *
	810	3/4" - 19mm *
	810	1" - 25mm *

Standard Parting Tool	Ref	Size
Used to part the finished project off from the waste material, the parallel sides make for a rigid tool that handles well. The 1/4" - 6mm tool reduces the amount of waste, vital if using an expensive wood. It also makes for a fine detailing tool, e.g. beads and fillets.	830	1/4" - 6mm *

Fluted Parting Tool	Ref	Size
This features a radically new and unique cutting profile with a blade profile of only 2mm. The long bevel has a flute which is the cutting face. The small bevel is the sharpening face. When parting off this unique arrangement causes the tip to always cut at a shear cutting angle of 45°, producing a finish without equal from a parting tool, virtually eliminating the need for sanding.	832	3/16" - 5mm *

Spindle Roughing Gouge	Ref	Size
Also known simply as a roughing gouge. Recommended for the initial turning of uneven or square spindle stock to round. The shape of the spindle roughing gouge enables the tool to cut safely with the wings (the tips of the side walls) well back from the workpiece. Not designed for use on bowl projects.	843	3/4" - 19mm *

Continental Style Gouge	Ref	Size
Originating from Europe, these tools have gained a reputation for their superb handling qualities on spindle work. Being a forged construction, they have an even wall thickness, thereby increasing finesse without compromising strength.	839	8mm *
	839	12mm *
	839	19mm *
	839	25mm *

SOV RS340
Extra Long Hollowmaster



Scraper



There are seven scrapers available for the system (see descriptions opposite).

Skew



There are two skews available for the system (Oval and Standard see descriptions opposite).

Parting Tool



There are two parting tools available for the system (Standard and Fluted see opposite descriptions)

Spindle Roughing Gouge



Continental Style Gouge



Collets

The recent addition of the NEW tang collet (SOV-CT) has vastly increased the versatility of the Sovereign system. Now tang tools such as spindle roughing gouges, scrapers and parting tools easily fit the number one interchangeable blade system on the market.

Simply compare the symbols * ■ ▲ + with those next to the tools to see which collet is needed for a safe and secure fit. Please note all tools marked with the # do not require a collet.

NEW

* **SOV-CT**
Tang Collet



■ **SOV-C13**
1/2" Collet



▲ **SOV-C10**
3/8" Collet



+ **SOV-C06**
1/4" Collet



Collet not required
5/8" Shank

sovereign system

Excelsior range

NEW

Robert Sorby's high performing *Excelsior* series offers further versatility to the Sovereign system. These tools guarantee added longevity lasting between three and four times longer than standard high speed steel (HSS) tools.

The Excelsior range (also available in hardworking standard tools see page 5 and also in the new TurnMaster series see below) uses the latest titanium nitride (TiN) coating, plasma bonded onto flawless, triple tempered Robert Sorby HSS. This increases the hardness of the cutting edge to around 85 -90 Rockwell without compromising the strength of the steel beneath. In addition it can be sharpened just as easily as HSS and has practically the same sharpness capabilities

Spindle Roughing Gouge	Ref	Size
High performance roughing gouge with the cutting edge enhanced by a Titanium Nitride coating.	843G	3/4" - 19mm ★

Bowl Gouge	Ref	Size
Titanium Nitride coated for increased performance and resistance to edge wear. The cutting edge on these tools will outlast our normal tools by a minimum of three fold. Spend less time sharpening and more time turning. Supplied with standard grind.	842G	1/4" - 6mm ▲
	842G	3/8" - 10mm ■
	842G	1/2" - 13mm #

Spindle Gouge	Ref	Size
We have created an increased edge life by bonding Titanium Nitride to our existing HSS tool. Sharpen as any normal tool in the same way as a regular spindle gouge.	840G	1/4" - 6mm +
	840G	3/8" - 10mm ▲
	840G	1/2" - 13mm ■



TurnMaster range **NEW**

The latest addition to the Robert Sorby armoury is the first tool combination to offer three cutting edge materials. Cutters for this multifunctional three-in-one scraper are available in standard HSS, TiN and Tungsten Carbide (see page 10) offering turners from beginner to expert an uncompromising choice. Those turners who favour the Sovereign system to handled tools will be delighted to know the NEW TurnMaster is available for the system. Being a 1/2" shank it will need the SOV-C13 collet (see page 15)

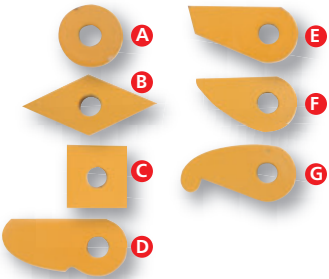


■ Requires the SOV-C13 collet, a full range of cutters are available (see page 10)

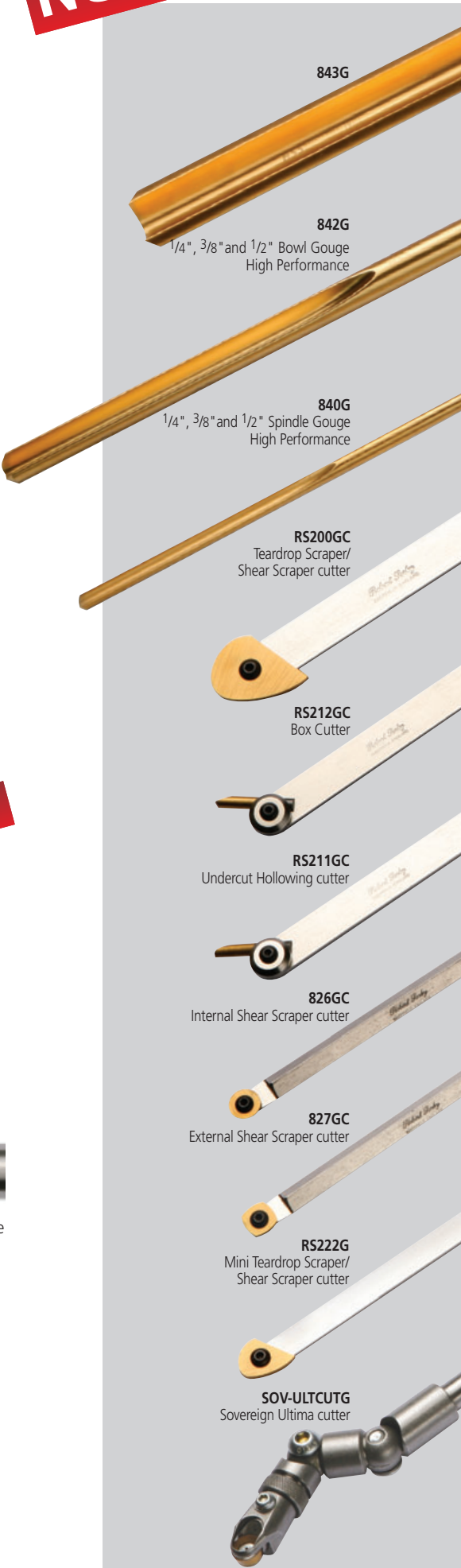
Cutters

TurnMaster cutters for the Sovereign system are available in Excelsior (TiN) (see below) as well as HSS and tungsten carbide (see page 10).

Ref	Description
A RSTM-GT1	HSS Excelsior Round
B RSTM-GT2	HSS Excelsior Detail Point
C RSTM-GT3	HSS Excelsior Square
D RSTM-GT4	HSS Excelsior French Curve / Inside
E RSTM-GT5	HSS Excelsior Box / Dovetail
F RSTM-GT6	Excelsior Teardrop / Inside / Outside
G RSTM-GT7	HSS Excelsior Mushroom



TurnMaster cutters are not compatible with any other tool



843G

842G

1/4", 3/8" and 1/2" Bowl Gouge
High Performance

840G

1/4", 3/8" and 1/2" Spindle Gouge
High Performance

RS200GC

Teardrop Scraper/
Shear Scraper cutter

RS212GC

Box Cutter

RS211GC

Undercut Hollowing cutter

826GC

Internal Shear Scraper cutter

827GC

External Shear Scraper cutter

RS222G

Mini Teardrop Scraper/
Shear Scraper cutter

SOV-ULTCUTG

Sovereign Ultima cutter



sovereign ultima

Simply one of the finest hollowing systems on the market. Works equally well on wet or dry grain end timber.

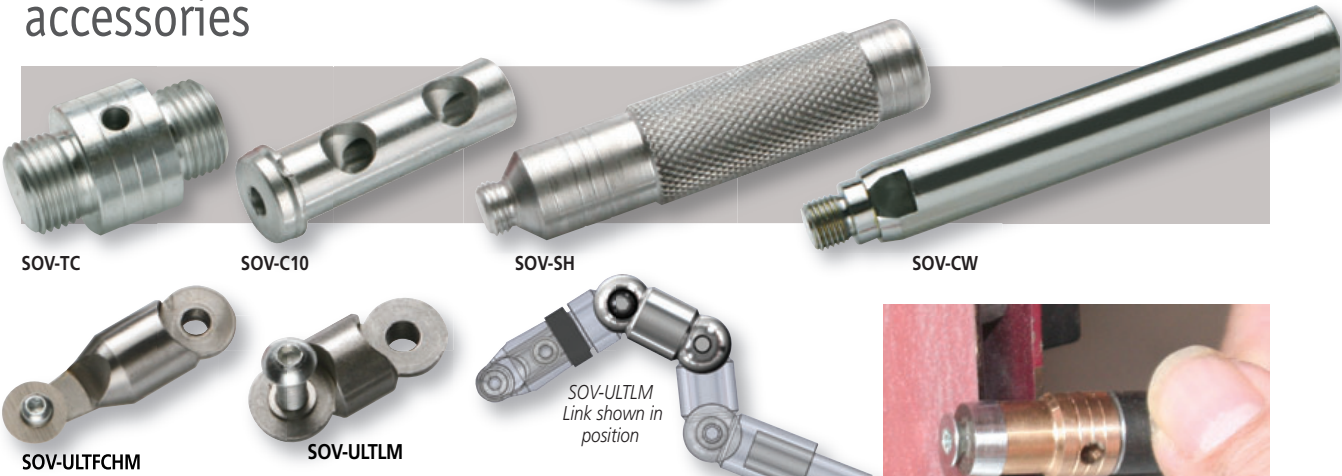
The *Sovereign* Ultima hollowing system uses a high performance cutter system with self clearing head design allowing for fast and effortless waste removal. Depth of cut can be finely tuned by altering the cut adjustment cap using the micro-adjust wheel. The multi- variable configuration head and link system allows the tool to be used in a variety of positions to create a multitude of hollow form shapes.

The Sovereign Ultima is currently available in two sizes: the small version is suitable for projects up to 11" in depth and is fitted to the 16" Sovereign handle, the medium sized model has a maximum hollowing depth of 16" and is fitted to the 22" Sovereign handle. Both systems include 3/8" and 1/2" collet adaptors to allow for a variety of other tools to be fitted.

Both sizes are available either with or without handles.



accessories



Ref	Description
SOV16S-ULTS	Sovereign Ultima Hollowing System small contents: handle, cutter and blade, torx key, 2 allen keys, 2 collets (3/8" and 1/2")
SOV22S-ULTM	Sovereign Ultima Hollowing System medium contents: handle, cutter and blade, torx key, 2 allen keys, 2 collets (3/8" and 1/2")
SOV-RSULTS	Sovereign Ultima Hollowing System small shank only contents: cutter and blade, torx key, allen key
SOV-RSULTM	Sovereign Ultima Hollowing System medium shank only contents: cutter and blade, torx key, allen key
SOV-ULTCUT	Sovereign Ultima replacement cutter
SOV-ULTCSJ	Sovereign Ultima cutter sharpening jig
SOV-ULTFCHS	Sovereign Ultima finishing cutter head small inc. cutter
SOV-ULTFCHM	Sovereign Ultima finishing cutter head medium inc. cutter
SOV-ULTLS	Sovereign Ultima link small
SOV-ULTLM	Sovereign Ultima link medium
SOV-ULTTK	Sovereign Ultima Torx key
SOV-TC	Threaded Coupler
SOV-C06	Collet Adaptor 1/4" - 6mm
SOV-C10	Collet Adaptor 3/8" - 10mm
SOV-C13	Collet Adaptor 1/2" - 13mm
SOV-SH	Side Handle
SOV-CW	Counterweight



Cutter Sharpening Jig



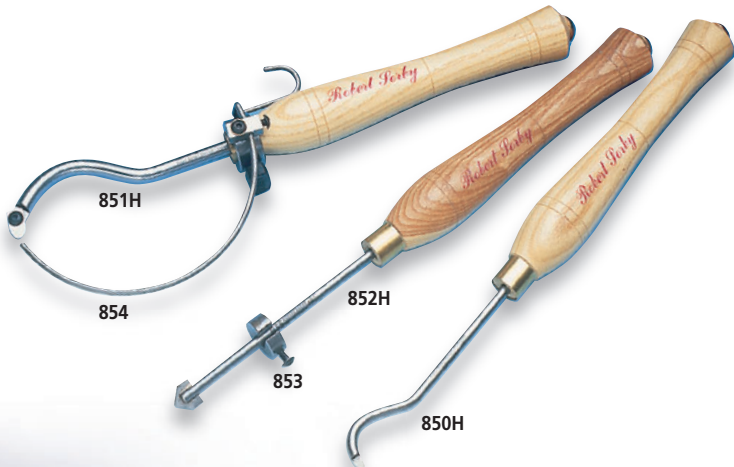
SOV-ULTCSJ

hollowing tools

End grain hollowing tools designed for hollowing small and miniature work, using branchwood or end grain timber. The smallest (**850H**) is designed to work through the narrowest of apertures, down to as small as 3/8" (10mm).

The boring bar and depth stop (**852H** and **853**) form an ideal method of quickly opening up a vessel to provide both entry opening and final hollowing depth.

Where space permits the larger tool (**851H**) provides a heavier section and has the benefit of a replaceable swivel cutting tip. This can be used in conjunction with the wall thickness gauge (**854**) to create consistent side wall thickness.



Ref	Length	Min. Aperture	Max. Project	Cutter Fitted
850H*	14"	3/8"	3"	Solid HSS
851H*	14"	1/2"	5"	851C - General Purpose
852H*	14"	-	-	-
853*	-	-	-	Depth stop for 852H
854*	-	-	-	Wall thicknessing gauge for 851H
34HS	-	-	-	Hollowing Set includes all items marked with an *

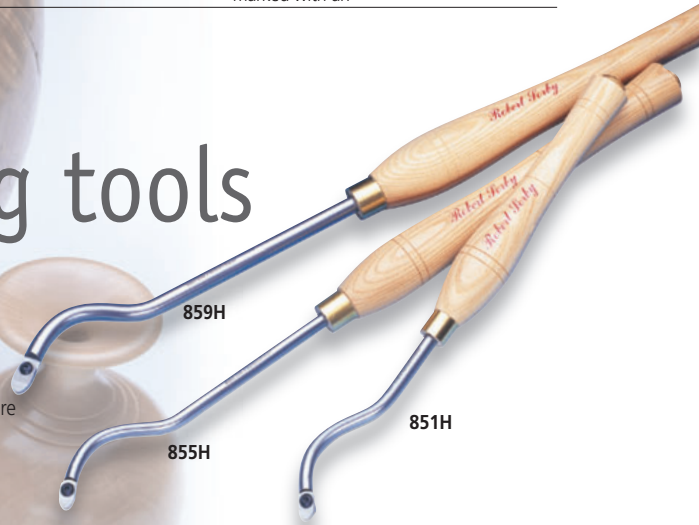
swan neck hollowing tools

The individual shape of these tools makes them suitable for blind turning or under cutting where reach is restricted. The 14" version (**851H**) is designed for end grain use on shallower depth projects whilst the slightly larger model (**855H**) allows for greater reach.

The 24" version (**859H**) is produced from a more substantial section steel, and is more suitable for both end grain and side grain working.

These tools are used with the round bar directly behind the swan neck (curved area) against the tool rest.

Both **851H** and **855H** can be used in conjunction with wall thicknessing gauges.



Ref	Length	Min. Aperture	Max. Project	Cutter Fitted
851H	14"	3/8"	4 1/2"	851C - General purpose
855H	20"	1/2"	5 1/2"	851C - General purpose
859H	24"	5/8"	7"	RS232C - Bullet, RS233C - Ball end

swivel-tip probes

Suitable for both side and end grain work, and through restricted openings. Ideal for vases and deep vessels. Three sizes of Probe offers choice and each Probe is fitted with a different combination of replaceable HSS cutting tips. The largest model (**8803H**) offers the added advantage of an articulated head to improve access to even the most difficult of areas. This tool is also available for use in the arm brace handle of the RS2000 system (**RS213** - see page 21). All tools are supplied with use and care instructions.



Ref	Length	Min. Aperture	Max. Project	Cutter Fitted
8801H	20"	1/2"	5 1/2"	851C - General purpose
8802H	24"	5/8"	7"	RS232C - Bullet for rapid stock removal RS233C - Ball-end for delicate shaping
8803H	28"	1"	9"	RS211C - Curved for general profiling RS212C - Side cut for parallel sided projects and rapid stock removal RS213C - Large Tear-drop Shear Scraper for fine finishing



hollowmaster

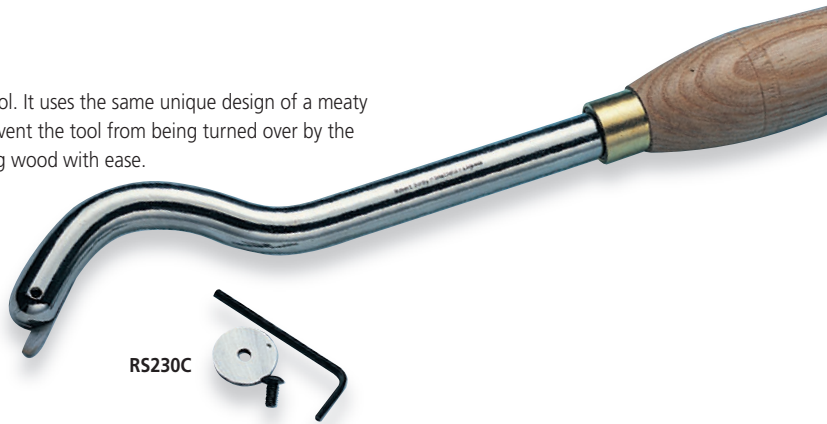
The Hollowmaster is the perfect complement to the Multi Tip Hollowing Tool. It uses the same unique design of a meaty 3/4" flat shank which when laid on the tool rest gives ample support to prevent the tool from being turned over by the rotation of the wood. You are not fighting the laws of nature, but removing wood with ease.

Its swan neck design means that the Hollowmaster can reach those spots which are often difficult to reach.

Like the Multi Tip Hollowing Tool, the Hollowmaster also has interchangeable tips. For hollowing there is a rounded tip to give a nice sweeping curve in the turned vessel and for fine finishing there is a full round scraper cutter.

Both tips are simply sharpened by means of a diamond hone or file. Replacement tips are readily available.

Ref	Overall Length	Handle Length
RS230KT	21"	14"
RS211C	Round-end Swivel Tip	
RS230C	Full Round Scraper Cutter	

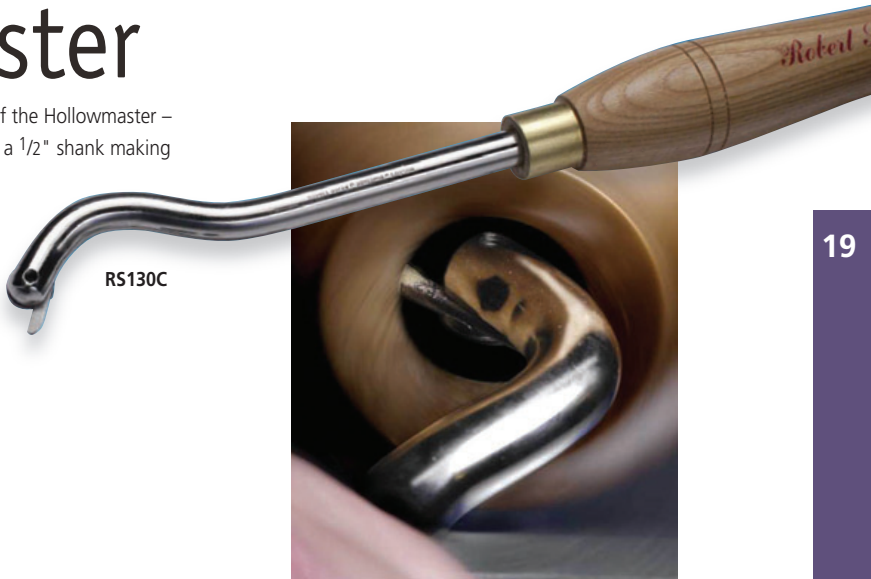


midi hollowmaster

As with the Multi Tip Hollowing Tool, there is a scaled down version of the Hollowmaster – the midi Hollowmaster (ref **RS130KT**) – which is both shorter and has a 1/2" shank making it ideal for miniature hollowing projects.

- Swan neck design for easy access
- Swivel clamp enables additional under shoulder
- 1/2" flat shank gives added stability
- Comes with one hollowing cutter (**RS111C**) and finishing scraper cutter (**RS130C**)

Ref	Overall Length	Handle Length
RS130KT	18 1/2"	10"
RS111C	Midi Round Tip	
RS130C	Midi Round Cutter	



tip holder

The Tip Holder (ref **472**) is a great and inexpensive sharpening accessory. Being double ended it allows the turner to hold comfortably almost every Robert Sorby tool tip without the fear of catching fingers on a sharpening belt or a grinding wheel. **Please note:** This is not the same tip holder as used with the TurnMaster on page 10.



multi tip hollowing tool

The multi-tip hollowing tool is one of Robert Sorby's most popular tools. Available in full size (RS200KT) or in midi (RS100KT) versions this is must in every turner's tool kit - ideal as a first hollowing tool. The exclusive Robert Sorby Multi Tip tool (RS200KT) features a massive half-round shank and interchangeable tips which combine to offer the turner a variety of different opportunities: Full user instructions included.

For Hollowing

There are two HSS hollowing tips which can be used along with the swivel assembly. The first (RS212C) which incorporates an angle of just under 90° is ideal for the initial rapid opening up of an aperture and for creating a crisp corner in the base of boxes. The second tip (RS211C) is more suitable for producing a sweeping curve in the bottom of vases or other hollow forms. The opposite end of each tip has been left deliberately blank for the turner to shape as he or she pleases.



By offsetting the cutter, as shown above, this tool then enables the turner to under-cut under rims of bowls. Unlike other hollowing systems, it is used with the flat section on the tool rest. This eliminates all the rocking and rolling normally associated with hollowing and puts the turner firmly in control. Available in two sizes, this is one of the most effective, economical hollowing systems around. Both tips (RS212C and RS211C) are available in Excelsior titanium nitride plasma bonded coatings (see page 16).

HSS cutter for hollowing gentle curves on bowls (RS211C)

Swivelling clamp allows for easy undercutting

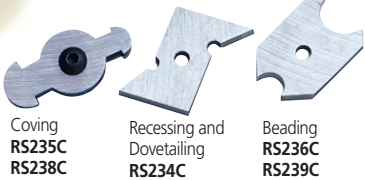
Multi faceted scraper cutter (RS200C)

HSS cutter for rapid initial hollowing and crisp angles (RS212C)

Recommended First Hollowing Tool

Half Round Shank
- 3/4" flat surface gives total control during hollowing
- round is ideal for shear scraping

Optional Extra Cutters



Coving
RS235C
RS238C

Recessing and
Dovetailing
RS234C

Beading
RS236C
RS239C

For Finishing

By fitting the HSS tear-drop shaped cutter (RS200C), it suddenly becomes a multi-faceted scraper. The shape of the scraper cutter converts the tool into a round, half-round or square scraper suitable for use on the inside and outside of bowls, platters and hollow forms. With the flat surface of the shank on the tool rest, scraping is in conventional mode. By turning the tool round, with the half-round section of the shank at 45° on the tool rest, it becomes a highly efficient shear scraper giving fine shavings and a highly polished finish which may not need sanding. This scraper is formed at 90° to make it double sided. (RS200C is also available in the Excelsior series, see page 16)



Use the curved edge for internal work



Use the straight edge for external work

For Beading and Coving

As optional extras, there are five additional cutters available - recessing and dovetailing (RS234C) 1/4" and 1/2" beads (RS239C) 3/8" and 5/8" beads (RS236C) 1/4" and 1/2" coves (RS238C) 3/8" and 5/8" coves (RS235C). The respective beads and coves match exactly. Using these cutters permits the addition of further decorations or the production of wheels, bangles and rings. All tips and cutters are sharpened with the aid of a diamond stone or file. Replacements are readily available.



Beading



Coving

Multi-Tip Hollowing Tools

Ref	Length	Minimum Aperture	Maximum Project	Cutter
RS200KT	19"	1"	6"	
8803H	28"	1"	9"	
RS200C				Medium Tear-drop Scraper
RS211C				Round End Swivel Tip
RS212C				Side / End Swivel Tip
RS234C				45° - 60° recess Cutting Tip (Optional)
RS235C				3/8" - 5/8" Cove Cutting Tip (Optional)
RS236C				3/8" - 5/8" Bead Cutting Tip (Optional)
RS238C				1/4" - 1/2" Cove Cutting Tip (Optional)
RS239C				1/4" - 1/2" Bead Cutting Tip (Optional)

Diamond File

Ideal handy accessory for sharpening replaceable tool tips. Can also be used on knives, scissors, even tungsten carbide router bits. For maximum life lubricate with water during use.

Ref	Description
RS224	Diamond File (40 micron)

midi multi-tip hollowing tool

Its small scale makes it ideal for smaller hollow forms.

- 1/2" Flat surface allows for aggressive hollowing
- Swivel clamp allows under cutting
- One curved tip (RS111C) for flowing shapes
- A second pointed tip (RS112C) for square shapes
- Teardrop scraper cutter acts as a round, half round and square scraper all in one
- Full instructions included

Ref	Overall Length	Handle Length
RS100KT	16"	10"
RS111C		Midi Round Tip
RS112C		Midi Point Tip
RS222		Teardrop Scraper Cutter

Please note: Cutters can be sharpened using the 472 tip holder. See page 19.



RS2000 deep hollowing system

The RS2000 System is a tried and trusted method of deep vessel hollowing. This flexible system can be used in a number of modes. Firstly, it is a very safe and effective means of hollowing deep vessels through narrow openings. At the same time it can be used for coning - producing a series of bowls from the same blank with a minimum of waste wood. This same method enables picture frames and other large rings to be made. Included in the complete system is a chattertool assembly which enhances end grain by creating a myriad of different decorative effects. The RS2000 is available as a complete system (**RS2000**) with twenty components as indicated below in a wooden case or as a basic system (**RS2001**) which is identical to the complete system except for the elimination of the chattertool components. Alternatively components may be purchased individually to suit the turner's requirements. The RS2000 is supplied with a comprehensive eight-page instructional manual full of useful guidance and illustrations.



Articulated Probe

With its movable head the Articulated Probe (**RS213**) reaches many inaccessible spots. It can be fitted with either a large scraper (**RS213**) or the hollowing tips (**RS211C** and **RS212C**). It should be fitted to the Main Handle (**RS202**) and Side Handle (**RS203**) or the Armbrace (**RS206**).



Slicer

The hollow ground nose of the tungsten carbide tip allows deep plunge cuts, at any angle, to remove cones from bowls and vessels. The Slicer (**RS205**) can also be used as a heavy-duty parting tool. It should be mounted in the Main Handle with the Side Handle assembled at a convenient position on the Slicer blade. It is recommended that the Side Handle be placed in the vertical position to counteract downward forces.



Arm Brace

The Arm Brace (**RS206**) was conceived to enhance control and comfort when using either the Hooker, Articulated Probe, or Slicer. It enables the turner to reach further over the tool rest than is normally the case when losing control in the face of rotational forces. The addition of a neoprene grip serves to dampen vibration.

Hooker

The Hooker (**RS210**) is designed as a safe method of hollowing vessels through narrow openings. It comes fitted with a scraper cutter (**RS222**) for finishing but also takes the swivel assembly and hollowing tips (**RS211C** and **RS212C**). Its design allows for both inboard and outboard turning. It should be fitted to the Main Handle (**RS202**) and Side Handle (**RS203**) or alternatively the Arm Brace (**RS206**).

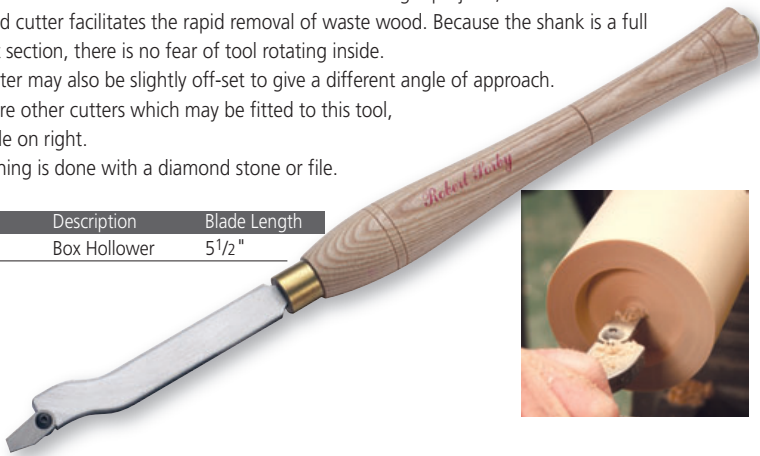


Ref	Description
RS2000	Complete system (includes ★)
RS2001	Basic system (includes ●)
RS202	Main handle ★ ●
RS203	Side handle ★ ●
RS203C	Collar for side handle ★ ●
RS203S	Stud for side handle ★ ●
RS204	Extension shank ★ ●
RS205	Slicer ★ ●
RS206	Arm Brace
RS207	Arm Brace and Slicer
RS208	Arm Brace and Hooker
RS210	Hooker (inboard/outboard) ★ ●
RS211	Swivel Tip Complete ★ ●
RS211C	Round End Swivel Tip ★ ●
RS212C	Side End Cut Swivel Tip ★ ●
RS213	Articulated Head Probe
RS213C	Large Tear-drop Shear Scraper
RS215	1/2" Ø Dual Purpose Shank ★
RS215C	Chattertool Collar for RS215 ★
RS220	Square/Pointed Chattertool Cutter ★
RS221	Domed/Hollow Chattertool Cutter ★
RS222	HSS Scraper Blade ★ ●
RS223	Allen Key (1/8" AF) ★ ●
RS223S	Replacement 10 UNF Cap Screw ★ ●
RS224	Diamond Sharpening File ★ ●
RS225	1/4" BSW Tee Knob ★ ●

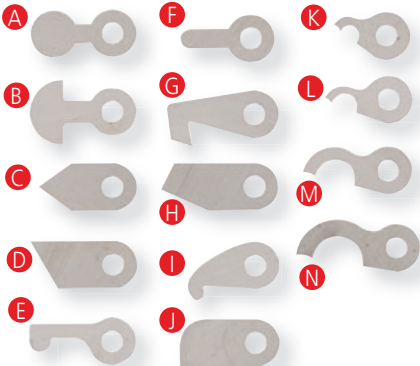
box hollower

The unique Box Hollower is specifically designed for hollowing projects with straight sides and flat bottoms. It is ideal for boxes and can also be used on larger projects, like tall vases. Its broad cutter facilitates the rapid removal of waste wood. Because the shank is a full 3/4" flat section, there is no fear of tool rotating inside. The cutter may also be slightly off-set to give a different angle of approach. There are other cutters which may be fitted to this tool, see table on right. Sharpening is done with a diamond stone or file.

Ref	Description	Blade Length
803H	Box Hollower	5 1/2"



The following cutters fit onto the Mushroom Tool (804H) and the Box Hollower (803H) as well as the Captive Ring Tool (805H).



mushroom tool

The Mushroom Tool uses the standard shaft and handle with a cutter particularly suitable for undercutting the cap of a mushroom, but may be adapted for undercutting.

Ref	Description	Blade Length
804H	Mushroom Tool	4 1/4"



Ref	Description
A 80401C	Ball End Cutter
B 80402C	Spade End Cutter
C 80403C	Pointed End Cutter
D 80404C	Skew Cutter
E 80405C	Rim Cutter
F 80406C	Mini-round Nose Cutter
G 80407C	Side and Face End Cutter
H 80408C	Box Cutter
I 80409C	Mushroom Cutter
J 80410C	Half Radius Cutter
K 80505C	3/16" Captive Ring Cutter
L 80506C	1/4" Captive Ring Cutter
M 80510C	3/8" Captive Ring Cutter
N 80513C	1/2" Captive Ring Cutter

captive ring tools



Bangles, curtain rings and wheels as well as captive rings on goblets and puzzles are amongst the projects which can be created with the Robert Sorby Captive Ring Tool set. There is no longer a need to have an array of tools to cut different sizes of ring. The Robert Sorby Captive Ring set includes four different cutters to enable the turner to cut rings of 3/16", 1/4", 3/8" and 1/2" from one inexpensive set. The ring cutter tips themselves are interchangeable and located in a specifically designed slot. This slot ensures that the cutter is correctly angled to create a perfect cut on each side of the ring. Together with the 3/4" flat shank firmly located on the tool rest, this gives a full control. The cutter can also be angled for access to restricted spaces. Cutters are sharpened with a diamond stone, instructions included. Tools fitted with just one cutter and individual cutters are also available separately.

Ref	Description	Size
805HS	Captive Ring Tool Set with 3/16", 1/4", 3/8", 1/2" cutters	
805H 3/16"	Captive Ring Tool	3/16"
805H 1/4"	Captive Ring Tool	1/4"
805H 3/8"	Captive Ring Tool	3/8"
805H 1/2"	Captive Ring Tool	1/2"
805C 3/16"	Captive Ring Cutter	3/16"
805C 1/4"	Captive Ring Cutter	1/4"
805C 3/8"	Captive Ring Cutter	3/8"
805C 1/2"	Captive Ring Cutter	1/2"



The Captive Ring Tool Set comes complete with all four cutter sizes.



spindlemaster

The Spindlemaster is especially effective on the crudest and softest woods like pine. Its enhanced tip, shear cutting action and highly polished bevel combine to produce a very fine finish on all types of wood - finer than 400 grit paper!! And it just sails through knots and other imperfections as if they were not there. Sharpening is straightforward.

Simply hone across the flat top face to keep it in tip-top condition. As a result of its contact with the workpiece the bevel is effectively self polishing and should need no further attention.

The Spindlemaster comes complete with its own set of illustrated instructions.

A micro version (**879H**) is also available. Ideal for pen turning or decorating spindles, christmas ornaments or miniatures. Comes with instructions.



Ref	Size	Overall Length	Handle Length
812H	1/2" - 13mm	16 1/4"	10"
812H	3/4" - 19mm	16 1/4"	10"
812H	1" - 25mm	18 1/4"	12"
879H	1/2" - 13mm	10"	6 1/4"



Trimming end-grain



Beading



Coving

shear scraper

Shear scraping is a method of woodturning which relies on the presentation of the scraper at a shear angle to peel away the wood fibres.

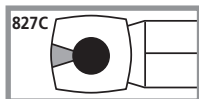
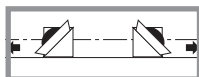
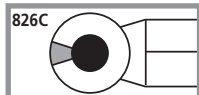
This technique offers some significant advantages over conventional scrapers.

- At the optimum angle of 45°, the slicing action is safer and produces a superior finish.
- Sanding is often unnecessary.
- The risk of the cutter digging in is virtually eliminated.

Ref	Overall Length	Handle Length	Application
826H	18 1/2"	12"	Internal Scraping
826C	-	-	Spare Cutter for 826H
827H	18 1/2"	12"	External Scraping
827C	-	-	Spare Cutter for 827H

The 3/8" square shank sits firmly on the toolrest and presents the cutter precisely at 45° to the workpiece when used in either direction. This is due to the unique cutter seating position.

i



Hollowing (Ref: **826H**)



External shaping (Ref: **827H**)

thread cutting system

Robert Sorby brings this fascinating aspect of woodturning to you with the Thread Cutting System. Cutting tools have been produced from High Speed Steel in 10, 16 and 20 threads per inch, with a unique, enhanced helix angle specially designed for use in wood. To compliment these excellent tools, optional items have been produced to provide a complete solution to thread cutting. A Relief Cutting Tool and Tool Support Rest make forming internal threads easier and our Thread and Sizing Gauge takes all the guesswork out of dimensioning (see page 26 for further details). Also available is our informative DVD covering tool use and a series of graded projects.



Ref	Description
890H/10	Pair of Thread Cutters - 10tpi
890H/16	Pair of Thread Cutters - 16tpi
890H/20	Pair of Thread Cutters - 20tpi
973	Thread and Sizing Gauge
895H	Relief Cutting Tool
893H	Tool Support
VDRS06	"Focus on Thread Cutting" DVD
89HS10	Thread Cutting Set 10tpi
89HS16	Thread Cutting Set 16tpi
89HS20	Thread Cutting Set 20tpi

Thread Cutting Sets consist of a pair of thread cutters, thread and sizing gauge and "Focus on Thread Cutting" DVD.



For those attempting their first steps in thread cutting, we recommend starting with the finer tooth pitches.

decorating tools



Texturing

Woodturner Tracy Owen has won many prizes with his textured bowls. The unique Robert Sorby Texturing Tool (**310H**) allows every woodturner to share his secrets by giving their work that added value and individuality which these effects bring.

The Texturing Tool enables the turner to alter the visual and tactile qualities of a work piece by creating striations, whorls, an orange peel effect and more. Let your imagination run wild. Fitted with an interchangeable cutter, the Texturing Tool is just as effective on soft as on hard woods - although the result can be markedly different.

The Robert Sorby Texturing Tool not only brings turned pieces to life, it gives hours of pleasure.



Spiralling

Creating barley twists, spirals and flutes has always represented a problem for the woodturner.

The Spiralling System (**330H**) not only overcomes many of these difficulties, but also allows the turner's imagination to run wild as he enters a new field of decoration.

Based on the same principle as the texturing tool, it is simple to use even in the hands of a novice - but still comes with instructions and ideas on further use.

The built-in rest allows the work to be approached at a variety of angles - graduations on the rest ensure repeatability. The degree of off-set determines the pitch of the spiral.

Another variation is introduced with the addition of three different cutters which can also be used for texturing. From these the turner can either produce amongst other works fine spirals on the stem of a delicate goblet, chequered designs, rope effect twists, heavy patterns on boxes, spindles or candlesticks as well as around the base.

It is also possible to up-grade a texturing tool to create spirals by the purchase of the tool rest (**360**) and an appropriate cutter.

The Spiralling and Texturing tools are shown to full effect in the Robert Sorby 'Focus on Decorative Techniques' DVD (**VDRS03**).

If your requirement is for finer spirals we also have a micro spiralling tool (ref 370A) details of which you will find on pages 12 and 13.



Ref	Description
310H	Texturing Tool (includes ★)
330H	Spiralling System complete with 4 cutters (includes ●)
350/0	Texturing cutter ★ ●
350/2	Cutter 2mm pitch ●
350/4	Cutter 4mm pitch ●
350/6	Cutter 6mm pitch ●
350/5	Cutter 5mm pitch (optional extra)
350/11	Cutter 11mm pitch (optional extra)
360	Tool Rest ●
VDRS03	'Focus on Decorative Techniques' DVD

Chatter Work

This is created by the Chattertool (**RS215KT**) which is both a shear scraper and a decorating tool. When fitted with either of the double ended spring steel cutters it will produce a myriad of patterns on end grain only.

Supplied with two chatter cutters (**RS220** and **221**) and scraper (**RS222**). User instructions included.

The Chatter Tool is featured in the Decorative Techniques DVD.



Ref	Description
RS215KT	Chattertool Kit (includes RS220, RS221 and RS222)
RS216	Chattertool (as RS215KT but without scraper cutter RS222)
RS220	Square and Point Cutter ★
RS221	Domed and Hollow Cutter ★
RS222	Shear Scraper Cutter

An endless variety of patterns can be produced very easily. Alternative patterns can be achieved by:-

- Adjusting cutter lengths
- Changing cutter shape
- Altering lathe speed
- Traverse or stationary cuts
- Cuts on, above or below centre



RS215KT



indexing and other regular decorations

The unique Robert Sorby Universal Indexing System (**763**) allows the turner to accurately divide and locate the workpiece in one of 24 positions. This is a datum point from which a whole host of patterns can be created.

- Precise locking of the workpiece allows for accurate boring or carving
- An innovative Indexing System, not dependant on a chuck
- Supplied with full instructions
- Available in sizes to fit most popular lathes

Ref	Description
763*	Indexing System

*State spindle diameter

Inlaying

Inlaying adds character. A Precision Boring System (**765**) is used in conjunction with the Indexing System for accurate hole boring in work pieces. Pre-bored hardened steel inserts are available in metric - 6, 9 and 12mm - or inch sizes - $\frac{1}{4}$ " , $\frac{3}{8}$ " and $\frac{1}{2}$ " . Corresponding HSS brad point bits ensure total accuracy when drilling.

- For use in conjunction with the Indexing System
- Full instructions supplied
- State tool post and stem size when ordering, either $\frac{5}{8}$ " , $\frac{3}{4}$ " , 1" 25mm or 30mm

Ref	Description
765	Precision Boring System metric
765 I	Precision Boring System inches

For further project ideas see the Robert Sorby 'Focus on Decorative Techniques' DVD (**VDRS03**).



Pomander courtesy of Gary Rance



finishing collection

Sandmaster

The Sandmaster is an essential part of every turner's tool kit.

- It comes with 5 different grits of abrasive to take even the roughest projects to a glass-like finish every time.
- It avoids an uneven finish often associated with hand sanding and there is no danger of catching hands on the revolving project.
- There is little or no surface damage/head build-up, as there is with power sanding and there is no cable to trip over.
- Head articulates to access even the most difficult areas.
- Sponge head is ideal for working in tight spaces.
- Sandmaster creates a fraction of the dust generated by power sanding.
- It can be adapted to take a polishing mop.



For those producing work in miniature we also offer a handy micro sandmaster (ref. 888SM) which is depicted on page 11.

Ref	Overall length	Handle length
410 Sandmaster	11 1/2"	8 1/2"
Optional Extras-Sponge Pads		
412	2" Diameter	
412T	2" Diameter Tapered	
413	3" Diameter	
Velcro Sanding Discs (pack - 10 of one grit)		
412A	2" Discs- 60, 120, 180, 240, 400 grit	
413A	3" Discs- 60, 120, 180, 240, 400 grit	

Goblet and Bowl Mops

Produced from a fine grade of cotton these deluxe mops have been made to deliver the ultimate finish. They are used after sanding to buff oil, lacquer and wax finishes to a lustrous sheen.

Ref	Description
492	2" Goblet Mop
493	3" Bowl Mop
494	4" Bowl Mop
491	Pigtail Mandrel



woodturners dimensioning tools

A collection of tools designed for the woodturner to measure wall thicknesses, internal and external dimensions.



Threading and Sizing Gauge

Ideal for box-makers, this gauge takes all the guess-work out of fitting the major and minor diameters of pieces. With the gauge set at the unmarked anvil this creates a 1:1 correlation between the measuring faces and facilitates accurate push fits.

The other three anvils are marked 10, 16 and 20 which relates to the tpi most commonly used by thread cutters. The gauge has a built-in compensation factor to ensure a perfect, tight thread fit between internal and external diameters every time.



Sizing Tool

The Sizing Tool is used in conjunction with a parting tool to obtain accurate and consistent diameters up to 3 inches on spindlework. It fits either the Robert Sorby $\frac{3}{8}$ " beading and parting tool or bedan.

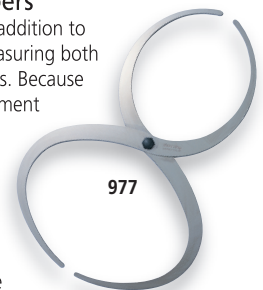
The two thumb screws lock the sizing tool firmly in place.



Double-ended Callipers

These are an indispensable addition to the turners armoury for measuring both wall thickness and diameters. Because of their design the measurement taken at one end automatically transfers to the opposite end. This enables the turners to take an accurate measurement reading without the need to remove the callipers.

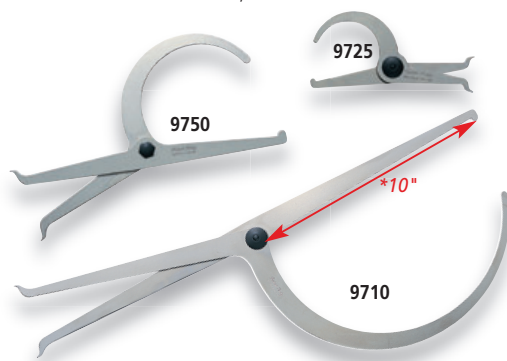
Available in 4" and 7" models. The 7" version has an increased depth of throat at one end which permits the callipers to be used in large diameter vessels which have restricted openings.



Vessel Callipers

These vessel callipers are designed for internal and thin-wall dimensioning.

The straight arm is especially useful for accessing narrow vessels. Sizes can be read at either end. Available in 2 1/2", 5" and 10" models.

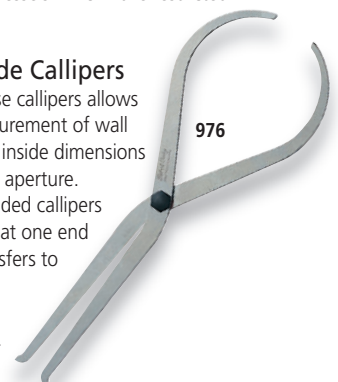


Ref	Description
970	Sizing Tool
974	4" Double-ended Calliper
977	7" Double-ended Calliper
976	6" Inside/outside Calliper
9785	8 1/2" Inside/outside Calliper
9725	2 1/2" Vessel Calliper
9750	5" Vessel Calliper
9710	10" Vessel Calliper
973	Threading and Sizing Gauge

Note: * all calliper sizes denote the measurement from the pivot point to the tip.

Inside / Outside Callipers

The design of these callipers allows not only the measurement of wall thickness but also inside dimensions like the size of an aperture. As with double ended callipers the measurement at one end automatically transfers to the opposite. Available in 6" and 8 1/2" models.



instructional DVDs

Robert Sorby have produced a series of instructional DVD's which show you how to use many tools in the way they were designed to be used.

"Focus on Decorative Techniques"

This is an authoritative presentation on various aspects of decorating turned pieces. It includes the use and care of decorating Robert Sorby texturing tool, spiralling system, indexing system, chattertool and eccentric chuck for off-centre turning. 75 minutes.



Ref	Description
VDRS03	Focus on Decorative Techniques

"Focus on Specialist Woodturning Tools Part 1"

See how to make the most of the Hollomaster, Chattertool, Spindlemaster, Multi Tip Hollowing Tool, and Sandmaster. Each product demonstrated and explained. Includes advice on sharpening. 50 minutes.



Ref	Description
VDRS07	Focus on Specialist Woodturning Tools Part 1

"Focus on Starting Out Woodturning"

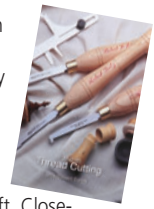
Tool selection, use and care, wood selection and finishing are just some of the topics covered as the viewer is taken through some initial steps in starting out woodturning. It is a must for those who are new to woodturning and are looking for help and guidance. 100 minutes.



Ref	Description
VDRS05	Focus on Starting Out Woodturning

"Focus on Cutting Threads"

One of the most challenging skills in woodturning is producing perfectly formed, matching threads. This DVD takes all the mystique of this time honoured craft. Close-ups show how to develop your technique. Includes threaded projects. 50 minutes.



Ref	Description
VDRS06	Focus on Cutting Threads



patriot chuck

There's only one lathe chuck that ticks all the boxes -

- ✓ fits all available lathes in the country
- ✓ light and compact, yet ideal for all sizes of project
- ✓ comes complete with 2" jaws fitted and screw chuck as standard
- ✓ single key operation requires the lightest touch
- ✓ smooth opening an closing action every time
- ✓ all jaws are dovetailed on the inside and outside with extra serrated teeth for the additional positive grip
- ✓ wide choice of optional jaws and accessories provides added versatility

Patriot Chuck

The British manufactured Patriot Woodturning Chuck is fitted with 2" (50mm) jaws. These have an internal and external dovetail and gripper teeth for greater secure work holding. It is also supplied with a screw chuck and an insert* to fit all available lathes in the country.

Ref	Description
RSPC	Patriot Chuck

*Available in the following thread sizes

inch	metric
5/8" plain bore	18 x 2.5mm
3/4" x 10"	20 x 1.5mm
3/4" x 16"	20 x 2mm
7/8" x 12"	24 x 3mm
7/8" x 12" LH	25 x 2mm
7/8" x 16"	30 x 1.5mm
1" x 8"	30 x 3.5mm
1" x 10"	33 x 3.5mm
1" x 10" LH	
1" x 12"	
1 1/8" x 12"	
1 1/4" x 8"	
1 1/2" x 6"	

Compatriot Chuck

The versatility of the Patriot chuck is demonstrated by its availability without jaws in three formats. Known as the Compatriot chuck these are the: RSPCOM, RSPCOMN34 and RSPCOMMH. Jaws from other chuck manufacturers fit this system but please contact Robert Sorby to be sure of appropriate fittings.

Ref	Description
RSPCOM	
RSPCOMN34	
RSPCOMMH	

Bowl Reversing Jaws

These Bowl Reversing Jaws are perfect for finishing the outside and bottom of any bowl. Lightweight but extremely strong aluminium plates with 10 positions and 8 rubber grips to gently hold the outside of a bowl without causing any damage to the turned piece.



Ref	Description
RSJBR	Bowl Reversing Jaws

Pin Jaws 1" (25mm)

Drill a 1" (25mm) hole into the wood approximately 1" (25mm) deep. Close the jaws completely and place jaws into hole. Now open the jaws out to fill the hole and grip the wood securely. Ideal for projects such as peppermills.



Ref	Description
RSJP	Pin Jaws 1" (25mm)

1" (25mm) Jaws

With a fine internal and external dovetail, these jaws are perfect for fine intricate or miniature projects.



Ref	Description
RSJ1	1" (25mm) Jaws

1 3/8" (35mm) Jaws

Designed for small projects, such as boxes and small bowls up to 6" diameter.



Ref	Description
RSJ15	1 3/8" (35mm) Jaws

2 3/4" (70mm) Jaws

For bigger bowls and projects up to 13" diameter that need a little more substantial hold.



Ref	Description
RSJ3	2 3/4" (70mm) Jaws

3 1/2" (89mm) Jaws

These jaws allow for even bigger bowls up to 16" diameter to be held securely.



Ref	Description
RSJ4	3 1/2" (89mm) Jaws

Long Nose Jaws

Rough turned bowls can be remounted internally with the reach of almost 4" of these jaws. Extra access to the back of a turned piece is acquired due to the tapered shape and the dovetail being 2" away from the chuck body.



Ref	Description
RSJLN	Long Nose Jaws

4 1/4" (108mm) Jaws

Large bowls and platters over 16" diameter can be turned due to the much bigger spigot or recess this set of jaws allows



Ref	Description
RSJ5	4 1/4" (108mm) Jaws

Deep Grip Jaws

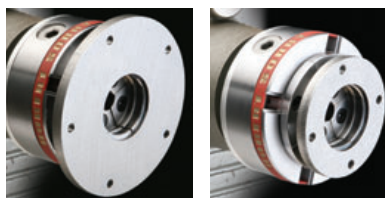
Designed with deep sides to give extra grip on large logs and awkward pieces of wood. They also have a large internal and external dovetail to securely hold large bowls in excess of 16" in diameter.



Ref	Description
RSJDG	4 1/4" (108mm) Jaws

Face Plate Rings

Designed with an internal dovetail to fit securely onto the standard 2" (50mm) jaws. These rings work in the same way as normal faceplates but with the convenience of the easy chuck fitting. Available with an outer diameter of 3 1/8" (80mm) and 4 3/4" (120mm).



Ref	Description
FPR80	3 1/8" (80mm)
FPR120	4 3/4" (120mm)

Custom Jaws

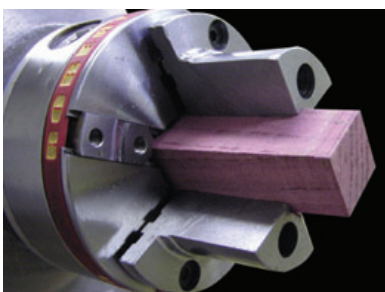
Made from high quality nylon, these jaws can be turned using normal woodturning tools to suit any project time and time again.



Ref	Description
RSJC	Custom Jaws

Pen Jaws

These Jaws will hold your pen blank central so you can drill on the lathe. Designed to fit a Robert Sorby Patriot Chuck and Supernova Chuck.



Ref	Description
RSJPN	Pen Jaws

Wobble Chuck

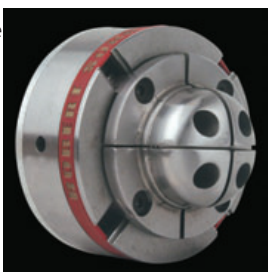
This fun and exciting to use addition to the Patriot chuck is designed to fit neatly in the standard 2" (50mm) jaws. The upper and lower sections of the Wobble Chuck are wedge shaped so that when the upper section is rotated and locked into any position this off-sets the wood. It opens up a whole new world of woodturning opportunities allowing the woodturner to make small eccentric pieces such as off-set stem goblets, quirky trinket boxes and even small ornamental spoons. The chuck can be used as a small faceplate or a screw chuck by using the screw included depending on the project being turned. The Wobble Chuck gives any woodturner the opportunity to experiment with off-set eccentric turning at a very economical price.



Ref	Description
RSWC	Wobble Chuck

Zero Jaws

The unique innovation of these jaws means fine detailed and miniature pieces can be turned using the jaws as they close completely together hence the name Zero. The dome shape of the jaws allows for working very close to the project. Also projects can be supported internally using the dome shape without marking the wood. These jaws are a must have for any woodturner making fine detailed projects.



Ref	Description
RSJZ	Zero Jaws

Mini Screw Chuck

An inexpensive mini screw chuck suitable for miniature projects that fits into the jaws of the Patriot woodturning chuck



Ref	Description
649	Mini Screw Chuck

Steb Drive

Held securely by the jaws of the Patriot chuck, the Steb Drive ensures an unrivalled grip on any wood. It uses the same innovative head design as the original Stebcentre holding the wood securely with its forward facing serrated teeth and spring loaded centre pin.



Ref	Description
STBCHUCK13	Steb Drive 1/2"
STBCHUCK	Steb Drive 7/8"
STBCHUCK32	Steb Drive 1 1/4"

Drive Centre

A simple but very effective 4 prong drive centre that fits directly into the jaws of the chuck.



Ref	Description
RSPDC	Drive Centre

NEW





Turning a goblet with off-set stem using 0, 10 and 20mm settings.

eccentric chuck

The Robert Sorby Eccentric Chuck is the most sophisticated chuck for multi-centre turning.

Ease and accuracy of adjustment (without removing the workpiece from the chuck) is provided by the unique offset boss which accommodates the three different driving components on which to mount your workpieces, viz:-

- 1 - Screwchuck
- 2 - Ball drive and socket
- 3 - Faceplate

The Eccentric Chuck provides the means of driving from the headstock with or without tailstock support. The boss can be off-set incrementally by 1 1/4" (30mm) from zero datum point.



Screwchuck:

The 25 x 10mm dia. parallel wood screw provides tremendous grip in either side-or end-grain. Requires simply an 8mm dia. pilot hole.



Faceplate

An alternative method of attaching the work piece. Allowing the turner flexibility of approach. Ideal for larger work.



Hexagonal Ball and Socket Drive:

A unique system for driving between centres. The hexagonal ball and socket unit allows the work piece to be angled within 20° of the lathe's axis. Ideal for Cabriole legs. The socket component is flanged and drilled for attaching to the work but can also be repositioned to index a variety of polygon sections. Allowing eccentric turning at one end of the work blending into concentricity at the other.



RS60



Full system housed in fitted, rigid plastic case for convenience and ease of storage. The Eccentric Chuck comes complete with a comprehensive 12- page instruction manual, interactive CD and project book. It also includes a threaded adaptor to make it compatible with your lathe.

The Eccentric Chuck is featured in our Decorative Techniques DVD (**VDRS03**).

IMPORTANT

Please specify when ordering, make of lathe and thread size of spindle.

stebcentre

The original Stebcentre is an invaluable accessory for every woodturner. Fitted in the lathe head-stock it is a boon for both the novice and the experienced.

Its ring of sharp teeth ensure that the Stebcentre bites the wood to give more security and more drive. Because there are several points of contact there is minimal risk of splitting. The Stebcentre can be used with equal confidence on both soft and hardwoods as well as synthetic materials.

In its patented design the Stebcentre also features a spring-loaded point. By slightly backing off the tail-stock the work piece still remains resting between the revolving centre and the Stebcentre. This allows the turner to inspect his work without the need to switch off the lathe. Where time is a critical factor the Stebcentre is ideal as the work-piece can be quickly removed without stopping the lathe.

Overall length: 4".

Patent No. 2286138



The original concept has subsequently developed in two directions. The first of these is the Steb Drive which has been adapted to fit into most popular 4-jaw lathe chucks. This saves the need to remove the chuck every time the turner wants to use his Stebcentre.



Secondly, largely inspired by Norwegian turner Petter Herud a series of Revolving (or Live) Stebcentres has been introduced. Not only do these offer the same degree of security as the conventional Stebcentre, but they have allowed the turner to experiment with basic off-centre turning.

The wooden dishes and box pictured opposite were produced using Revolving Stebcentres.

Visit www.robert-sorby.co.uk to download instructions on how to produce multi-sided dishes and bowls.



Head Size	1 Morse Taper	2 Morse Taper	3 Morse Taper
1/2"	STB150	STB250	-
7/8"	STB100	STB200	-
1 1/4"	STB132	STB232	STB332

Head Size	Steb Drive
1/2"	STBCHUCK13
7/8"	STBCHUCK
1 1/4"	STBCHUCK32

Head Size	1 Morse Taper	2 Morse Taper
1/2"	RCSTB150	RCSTB250
7/8"	RCSTB100	RCSTB200
1 1/4"	RCSTB132	RCSTB232

revolving centre sets



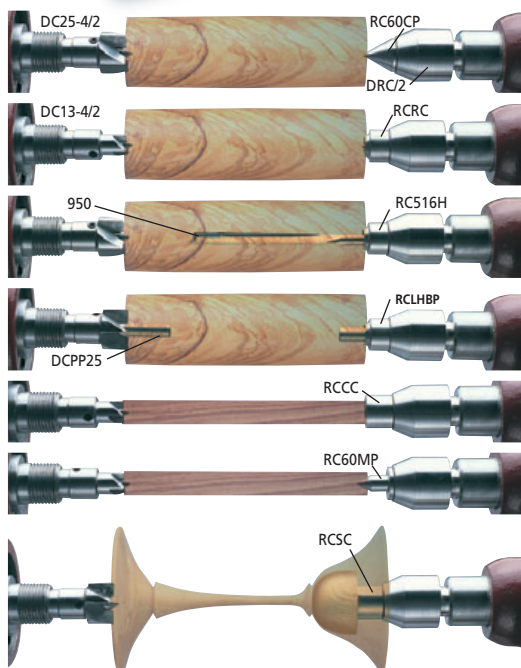
Revolving Centre Sets comprise a high quality hollow revolving centre and seven popular accessories in a sturdy fitted storage box. These sets feature a stub morse taper fitting. Comes complete with ejector tool.

Ref	Description
DRCK/1	Hollow Revolving Centre Set 1 mt.
DRCK/2	Hollow Revolving Centre Set 2 mt.

revolving centres

- 1 or 2 morse taper.
- Available loose or in a boxed set.

Ref	Description
DRC/1	Deluxe Hollow Revolving Centre 1 mt.
DRC/2	Deluxe Hollow Revolving Centre 2 mt.



RC60CP - 60° Point. The workhorse of the range, for heavy duty applications.

RCRC - Ring Centre. Used when there is a risk of splitting the timber i.e. laminated and small spindle work.

RC516H - Hollow Ring Centre. For hollow boring, it allows a 5/16" shell auger to feed through precisely ensuring accurate boring.

RCLHBP - Long Hole Boring Location Pin. Once the timber has been bored out fit this location pin into the **RC516H** and it will self centralise the work precisely for turning.

RCCC - Cone Centre. The self centralising qualities of this head make this an ideal end support unit for small timber sections.

RC60MP - 60° Mini Point. For delicate work or where access is required at the end of the workpiece.

RCSC - Cup Centre. Enables the fitting of home made support heads for those specialist tasks.

modular tool rest system

This modular tool rest system enables the turner to build up a collection of tool rests without going to great expense. Six different rests are available: 4", 6" and 9" as well as a 9" curved internal and external and a box platform which can be used in conjunction with just one stem. Cross bars are specially hardened to avoid those troublesome nicks and to give a smooth finish.

Stems are available in 1/2", 3/4", 7/8", 1". 25mm, 28mm, 30mm diameters to fit most popular lathes.

The same stems are used with the Precision Boring System.

Ref	Description
765/S*	Stem
766/4	4" Crossbar
766/6	6" Crossbar
766/9	9" Crossbar
767	9" Internal Bowl Crossbar
767E	9" External Bowl Crossbar
768	Box Scraper Platform

* State stem size required

Note: It's recommended that the 9" crossbars are not used with stems less than 3/4" diameter



Centre Steady

Another innovative product in response to the demand for a fully adjustable professional steady.

- Fully adjustable fingers for total control
- Bearings on the fingers will not burn the wood
- Adjustable for 1/8" - 4" diameter work depending on centre height
- Fits most lathes

Ref	Description
761A	To suit centre heights from 5 1/2" - 7"
761B	To suit centre heights from 7" - 9"



starting out carving

Woodcarving is an ancient pastime and artform. Projects can be as simple or complex as the carver and his or her skill allows. However, patience is a must as carving should not be looked upon as a quickly gratifying activity – projects can take weeks, months or even years to complete.

Where will I work and what equipment will I need?

Unlike most woodworking activities, carving does not require a lot of space. It can be achieved equally well in a living room as in the shed or studio. Carving is a relatively inexpensive hobby; beginners can easily acquire the basic tools and equipment for a reasonably modest outlay.

What tools will I need to get started?

The many thousands of different carving tool shapes and sweeps can be a minefield for the beginner. Robert Sorby has simplified this by offering 24 of the most universally used tools coupled with 12 in miniature form and six larger sculpture tools. When Robert Sorby reintroduced carving tools in 1993, we took the opportunity to reappraise tool style and radically revised conventional thinking:

- Selecting special Sheffield alloy steel unique to Robert Sorby for edge tool manufacture
- Creating excellent balance to counter the newer blade sections and design
- Employing a stringent heat treatment process to ensure the finest edge retention
- Providing a polished, razor sharp factory finish, ready for use

Safety

- Always carve away from you, keeping your hands behind the cutting edge
- Ensure your wood is firmly secured in a clamp or vice
- Wear sensible shoes in case you drop a tool
- Never attempt to catch a tool if you do drop one

Enjoy carving for the therapeutic satisfying activity it is. Never rush a project to completion and always take pride in whatever you create.

Robert Sorby has manufactured the finest quality hand tools for over 200 years. Today's craftsmen still use many of the traditional skills.

One-piece forging for ultimate reliability.



Ref	Description
606	Set of 6 Carving Tools (■)
612A	Set of 12 Carving Tools (●)

Individual Carving Tools

Ref	Inch	mm
-----	------	----



Square Chisel

● 6001		3/8	10
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Skew Chisels

● 6002		1/8	3
■ 6002		3/8	10



Straight Gouges

● 6004		1/4	6
■ 6004		1/2	13
● 6004		3/4	19
● 6005		1/8	3
■ 6005		1/4	6
6005		3/8	10
● 6005		1/2	13
6006		3/16	5
● 6006		3/8	10
■ 6007		1/8	3
6007		3/8	10
● 6008		3/4	19



Veiners

6010		1/8	3
● 6011		1/16	1.5
6011		1/4	6



Bent Gouges

● 6014		3/4	19
■ 6016		3/8	10



Spoon Bit Gouges

6025		3/8	10
● 6027		3/8	10



V Tools

■ 6039		1/8	3
● 6039		1/4	6

Cutting edge line drawings are FULL SIZE.
Blade sweeps are accurate to 'Sheffield List'.

The guarantee of quality for over 200 years

Hand polished ash carver handle for comfort and resilience when used by hand or with a mallet

Blade widths marked in inches and millimetres for instant selection

Solid brass ferrule stamped with pattern number - blade sweeps accurate to 'Sheffield List'

Fitted with shock absorbing leather washer

Cannel honed and highly polished to a razor sharp cutting edge

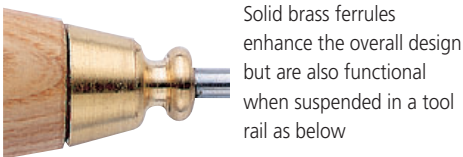
Actual size shown

micro woodcarving tools

Robert Sorby micro carving tools are manufactured to the same exacting standards as the full-size tools.

- Precision closed-die forgings ensure accurate shape and size of every blade.
- Highly polished blades protect against rusting.
- Cutting edges honed and buffed ready for immediate use.
- 6 1/2" overall length

The size and design of the handles puts Robert Sorby's micro tools ahead of all others. The handles are larger and therefore more comfortable - particularly during prolonged use.



Set of Micro Woodcarving Tools

The full range of 12 tools is available in a polished wooden case. When not in use the tools are 'topped and tailed' for carrying. During use, the case makes a very useful free-standing tool cabinet. The provision of additional slots in each of the two brass hanging rails allows the tools to be safely suspended and easily accessible.



Ref	Description
512	Set of 12 in Wooden Box
512DB	Set of 12 in Standard Display Box

Individual Micro Carving Tools

Ref	Blade Size
	
5001	4mm —
	
5002	4mm /
	
5003	5mm —
	
5004	2mm ∪
5005	3mm ∪
5006	4mm ∪
5007	5mm ∪
5008	5mm ∪
	
5009	3mm ∪
5010	5mm ∪
	
5011	1.5mm U
	
5012	2mm ∇

Cutting edge line drawings are FULL SIZE



Blades are etched with code and size for identification and selection.

422 Carver's Mallet

The Carver's Mallet, with lignum vitae head and ash handle, is available in two sizes:-

- 3" dia. (75mm) head-13 oz (375 grammes)
- 3 1/2" dia. (90mm) head-20 oz (575 grammes)

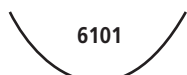


sculpture tools

Created for the sculptors who work in wood. These tools feature the most widely used profiles for working large sections of timber. Massively proportioned yet beautifully balanced, to handle heavy duty cuts as required.

All tools are fitted with heavy duty double hooped handles and shock absorbing leather washers.

Overall length of each tool is 13 inches.



6101
7/8" 22mm Straight Gouge



6102
1" 25mm Straight Gouge



6103
1 1/2" 38mm Straight Gouge



6104
1 1/2" 38mm Straight Gouge



6105
1 1/4" 32mm Bent Gouge



6106
7/8" 22mm V Tool

Cutting edge drawings are actual size

Robert Sorby chisels



No one in the world offers as comprehensive a collection of special chisels as Robert Sorby. These are designed for the demanding craftsman, cabinet maker, furniture restorer and house builder. Many of the tools in this collection are exclusive to Robert Sorby - corner chisels and the longest paring chisels manufactured today. The face of each chisel has an indentation point. This is your guarantee of quality as it is the mark left by our diamond hardness tester. Each tool goes through this process.

- forged from special Sheffield steel precision ground flat backs ensure smooth, straight cuts
- special alloy ensures that perfect balance of toughness, edge retention and sharpness
- handle and blade are accurately aligned
- large tang seated deeply in the handle for extra security and strength
- each tool finely balanced for added control
- full selection of different handle styles and designs to meet specific requirements whether heavy slugging or refined paring
- finely ground bevels ensure accurate cutting in corners
- each tool marked with size for ease of identification
- diamond hardness test mark is your guarantee of 100% inspection

Handles

Chisels are supplied with handles made of different materials

Ash – Ash is a relatively dense hardwood with high tensile strength

Boxwood – A slow growing shrub whose wood is extremely dense and unlikely to chip

Rosewood – A traditional wood for woodworking tools

Plastic – Plastic handles are most suitable for on-site work

All woods are obtained from sustainable sources.



Sheaf River

NEW

Robert Sorby's **Sheaf River** range is NEW to this year's catalogue. Not only does it incorporate all the hallmarks of traditional craftsmanship evident in all Robert Sorby chisels but we are very proud it announces our very first range of butt chisels.

These shorter length tools are popular in the USA and Canada where woodworkers find them extremely useful for manipulating cuts in tight and difficult to access places. Their shorter blade and easy to grip handle allow for excellent control and sit nicely in the palm of the hand.

Available in traditional and tapered styles our Sheaf River range comes in full size versions too. Woodworkers might prefer the longer handle associated with the traditional tools or the shorter handle offered by the tapered versions – which are currently undergoing a resurgence in popularity.

We named the range after the river Sheaf which runs beside the factory and is famous the world over for its 400 year association with the steel industry and the city of Sheffield – which is also named after it.

American Ash handles provide the balance and strength between timber and steel, ash's natural properties providing the essential ingredients to help absorb vibration and shock – which is why it's the material of choice for baseball bats. Its strength to weight ratio is excellent and its ability to bend without breaking makes it a great material for woodworking tools.

169 Traditional Bolster and Ferrule

Ref	1/4	3/8	1/2	3/4	1	Length	
	6	10	13	19	25	Blade	Overall
169	•	•	•	•	•	5-7"	10 1/2-13 1/2"
Set 5	•	•	•	•	•		

530 Tapered Bolster and Ferrule

Ref	1/4	3/8	1/2	3/4	1	Length	
	6	10	13	19	25	Blade	Overall
530	•	•	•	•	•	5-7"	10 1/2-13 1/2"
Set 5	•	•	•	•	•		

170 Traditional Bolster and Ferrule

Ref	1/4	3/8	1/2	3/4	1	Length	
	6	10	13	19	25	Blade	Overall
170	•	•	•	•	•	5-7"	10 1/2-13 1/2"
Set 5	•	•	•	•	•		

570 Tapered Bolster and Ferrule

Ref	1/4	3/8	1/2	3/4	1	Length	
	6	10	13	19	25	Blade	Overall
570	•	•	•	•	•	5-7"	10 1/2-13 1/2"
Set 5	•	•	•	•	•		

skew chisel

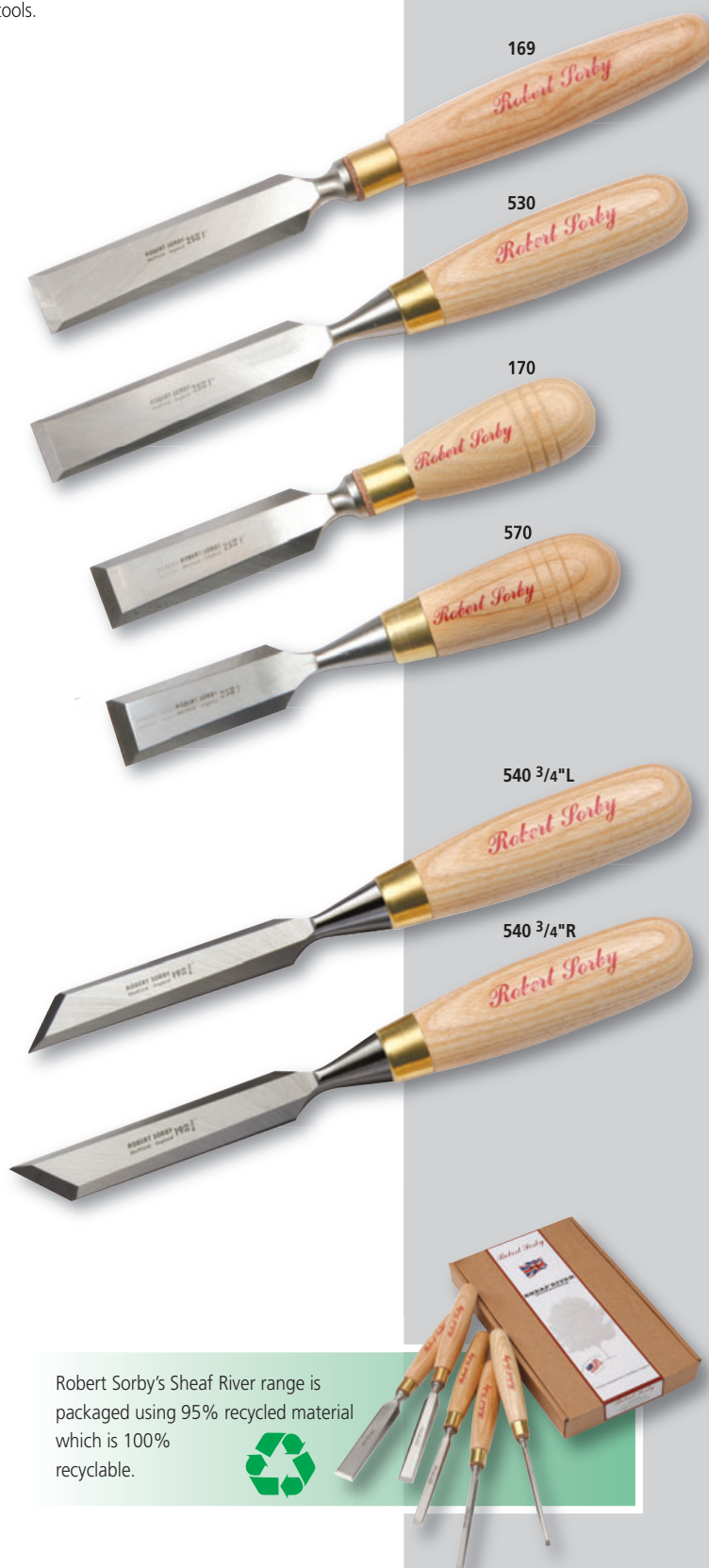
These bevelled edge woodworking skew chisels have tapered ground blades and are available in a right and left hand skews (usually purchased in pairs) and are ideal for gaining access into tight corners. They are designed for precise paring of a joint and for detailed finishing.

540 3/4" L Tapered Bolster and Ferrule

Ref	1/4	3/4
540	•	•

540 3/4" R Tapered Bolster and Ferrule

Ref	1/4	3/4
540	•	•



Robert Sorby's Sheaf River range is packaged using 95% recycled material which is 100% recyclable.



traditional bolster and ferrule chisels

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 free-hand 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. Not recommended for heavy duty applications.

Robert Sorby offer two styles of bevel edged chisel – a traditional design which features an elegant bolster and ferrule design.

Both are made from exactly the same material and produced to the same high standards of craftsmanship. Each chisel has a 25° primary bevel and a 30° for secondary bevel to easily allow or the cutting of harder woods.

Soft woods such as pine woodworkers might want to re-profile to 20 degrees for the primary and 25 degree for the secondary bevels

Very hard woods such as oak might require a steeper profile (30 degrees for primary bevel and 35 for a secondary bevel).

166 Boxwood Carving Handled

Ref	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	19	25	32	38	50mm	Blade	Overall
166	•	•	•	•	•	•	•	•	•	5-7"	10 1/2-13 1/2"
Set 5	•	•	•	•	•	•					

167 Octagonal Boxwood Handled

Ref	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	19	25	32	38	50mm	Blade	Overall
167	•	•	•	•	•	•	•	•	•	5-7"	10 1/2-13 1/2"
Set 5	•	•	•	•	•	•					

tapered bolster and ferrule chisels

510 Boxwood Handled

Ref	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	19	25	32	38	50mm	Blade	Overall
510	•	•	•	•	•	•				5 3/5"	10 1/2"
Set 5	•	•	•	•	•	•					

520 Rosewood Handled

Ref	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	19	25	32	38	50mm	Blade	Overall
520	•	•	•	•	•	•				5 3/5"	10 1/2"
Set 5	•	•	•	•	•	•					

500 C.A.B Handled

Ref	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	19	25	32	38	50mm	Blade	Overall
500	•	•	•	•	•	•				5 3/5"	10 1/2"
Set 5	•	•	•	•	•	•					

1600 Cabinet Scrapers

Ref	Description	Size
1600	Cabinet Scraper	4 x 2 1/2"
	Cabinet Scraper	5 x 2 1/2"
	Cabinet Scraper	6 x 3"



Note: actual sizes are in inches, metric sizes are nearest equivalents.

166

167

510

520

500



specialist edge tools

Many of these tools are unique to Robert Sorby. They were originally developed in co-operation with professional woodworkers for a specific application.

284 Registered Chisel

Ref	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	19	25	32	38	50mm	Blade	Overall
284	•	•	•	•	•	•	•	•	•	4 5/8-7"	10 1/2-13"
											108-178 267-330mm

Thicker than conventional firmer chisels, registered chisels have the inherent strength to chop and lever out waste wood. Tapered from the shoulder to the cutting edge to give additional strength. Also suitable for less rigorous framing applications.

331 Sash Mortice Chisel

Ref	1/8	1/4	5/16	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	8	10	13	19	25	32	38	50mm	Blade	Overall
331	•	•	•	•	•						6 1/4"	11"
											159	279mm

The trapezoidal shape of these mortice chisels – they have a 2 degree side relief angle – prevents them from binding in the cut. Heavy section makes this style ideal for levering out waste wood in locks, hinges and tenons. Fitted with boxwood handle.

332 Sash Mortice Chisel

Ref	1/8	1/4	5/16	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	8	10	13	19	25	32	38	50mm	Blade	Overall
332	•	•	•	•	•						6 1/4"	11"
											159	279mm

Has the same blade as 331 series above. Fitted with robust unbreakable handle. Excellent for site work where a mallet is not always used.

241 Paring Chisel

Ref	1/8	1/4	5/16	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	8	10	13	19	25	32	38	50mm	Blade	Overall
241	•			•	•	•	•	•	•		9 3/4"	15"
											159	380mm

Traditionally used by cabinet- and pattern-makers for shaving thin slivers of wood. These paring chisels feature a 9 3/4" long, flat, thin blade which tapers towards the cutting edge to give the finest of cuts when cleaning out grooves. Normally used for hand paring with one hand on the handle and the other controlling blade. Bevels on the top face enable access to the more difficult corners. In skilled hands a paring chisel causes wood to be removed effortlessly. Fitted with boxwood handle.

333 Corner Chisel

Ref	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	19	25	32	38	50mm	Blade	Overall
333			•							4 1/2"	9 1/2"
											115mm 241mm

Used primarily for squaring up and cleaning waste wood from the corners of mortices. The two cutting faces meet at 90 degrees to give an accurate, square corner. Bevel is on the inside. Fitted with comfortable boxwood handle. To sharpen a corner chisel place it in a vice and hone each of the inside cutting faces separately with a diamond hone or file. This gives you a clear sight of exactly what is being honed.

Draw Knives

Traditional English design. Still used in many traditional crafts by bodgers, chair-makers, period furniture-makers, cricket-bat makers and green woodworkers. Designed for shaping wood and removing bark. A simple tool which can be used either aggressively for rapid stock removal or in a very delicate manner to give a fine finish. Mainly used on the pull stroke.

Ref	Description	Size
565	Draw Knife	10"
566	Bent Draw Knife	10"



Note: actual sizes are in inches, metric sizes are nearest equivalents.

284

331

332

241

333

566

565

timber framers' chisels

285 Framing Chisel

Ref	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	19	25	32	38	50mm	Blade	Overall
285						●		●	●	10 1/2"	19 1/2"
										267mm	495mm

Useful for large framing work when working on very deep mortices, where strength of blade is required. Fitted with ash handle.

286 Bevelled Framing Chisel

Ref	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	19	25	32	38	50mm	Blade	Overall
286						●		●	●	8 1/2"	15 1/2"
										229mm	394mm

A large framing chisel. Designed to handle the rigours of deep heavy duty work. Side bevel enables under-cutting. Fitted with ash handle.

287 Heavy Duty Corner Chisel

Ref	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	19	25	32	38	50mm	Blade	Overall
287						●				9 3/8"	18 1/2"
										239mm	470mm

Also known as a 'bruzz' this rugged chisel will withstand the most demanding applications. Milled from a solid 1" section it is designed for cleaning up corners in timber framing projects. Fitted with a robust double hoop ash handle to withstand heavy striking.

288 Heavy Duty Sash Mortice Chisel

Ref	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 inch	Length	
	3	6	10	13	16	19	25	32	38	50mm	Blade	Overall
288		●	●	●	●						7 5/8"	14 1/2"
											194	368mm

Extra heavy duty sash mortice chisel. Massively proportioned for those deep difficult to access mortices, requiring extreme blade strength. Fitted with ash handle.

289 Timber Framers' Slick

All Robert Sorby's extensive experience of producing rugged timber framers' chisels has gone into producing these two exquisite framers' slicks.

The combination of weight and balance coupled with a traditional finish means these slicks produce a truly fine, yet accurate cut.

The blade is off-set from the handle. This allows extra clearance when working on deep mortices or taking long paring cuts.

Made from high carbon steel Robert Sorby slicks offer a perfect combination of hardness and toughness together with a razor sharp cutting edge.

The working face has a slightly hollow surface for ease of honing and the back face is rounded off to eliminate sharp corners giving extra comfort and security.

Made of ash, the handle has been specially contoured for comfort. It is affixed to the blade by means of a heavy duty tang. An innovative socket is fitted between the blade and handle to make this the strongest of framing tools.

Available in 2 3/8" and 3 3/8" widths.

Heavy duty leather holsters and edge guards are also available.

The holster is especially useful when working outdoors.

- Massive slicks for framers and boat builders (overall length is 28")
- Off-set blade gives clearance in deep sockets
- Strong, solid one-piece forging
- Heavy duty socket lends additional strength
- Corners rounded off for safety
- Purpose made leather holster and edge guard available

Ref	Description	Size
289	Slick	2 3/8"
289	Slick	3 3/8"
289H60	Slick Holster	2 3/8"
289H85	Slick Holster	3 3/8"

Note: actual sizes are in inches, metric sizes are nearest equivalents.



Images courtesy of
Shelter Institute
www.shelterinstitute.com



sharpening

Sharpening tools is an integral part to all woodworking whether you're a hobbyist or a professional. Blunt tools are not only dangerous, as edges can slip over timber and easily cut the tool user, but they also make hard and laborious work of what should be a pleasurable activity.

New Materials

For these reasons materials that don't require sharpening or that extend the life of a tool's sharpness have become increasingly popular with woodworkers old and new whether it's powdered metallurgy, cryogenic tempering in turning tools or A2 steel in chisels – all display strengths and weaknesses. Robert Sorby believes some materials can offer clear advantages. We use titanium nitride coating in our Excelsior range and tungsten carbide cutters are available for the NEW TurnMaster.

However experience tells us that these advantages need to be considered NOT as replacements to traditional materials but as partners to them. We have devoted much in the way of research and development in recent years to the essentials of sharpening and believe it important to ensure woodworkers know what's on offer and what they can expect.

For example tungsten carbide offers great longevity but it does dull (blunt) and being so hard can chip. Chipped or dulled it needs replacing which is often more expensive than standard material but nearly always inconvenient. High speed steel on the other hand will re-profile and edges can be reborn but sharpening knowhow is a must.

A2 steel holds an edge longer but how sharp is it? And the same is true of some of the powdered technologies.

In the end new materials often leave those who would rather leave sharpening, in the dark – not having acquired the knowledge to know when a tool even needs replacing let alone sharpening. Our opinion is use tools knowing their limitations, whatever the material, that way you can enjoy the benefits and accept the consequences.



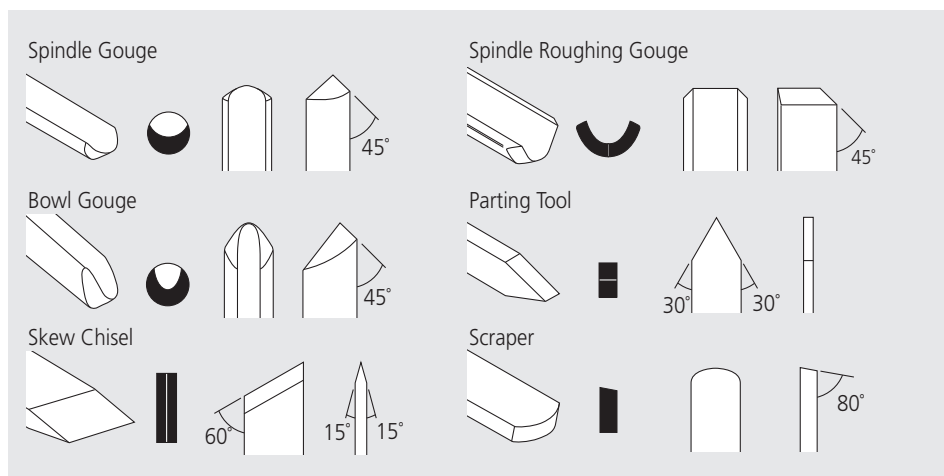
turning tool sharpening

As with all tools turning is much easier when tools are sharp. Learning to sharpen is as critical as learning turning techniques. Even those that use merely throwaway materials will always only feel half the way there when they compare themselves to those experienced in sharpening and the projects their peers can achieve.

A variety of platforms and jigs are available to work with grind stones (see sharpening systems on page 41). These help turners to sharpen more consistently and accurately.

Robert Sorby has been using belts as the preferred method to sharpen tools in its factory for generations. These offer speedy and accurate results and provide even greater consistency. The Robert Sorby ProEdge was developed to achieve the same results for woodworkers wanting to achieve the same factory finish repeatedly. This multifunctional system (see pages 42 and 43) will tackle turning and carving tools, woodworking chisels, plane irons and knives.

A slip stone is also useful to give a regular hone to a tool but isn't enough for re-profiling or sharpening very blunt tools.



Many of Robert Sorby's specialist tools and cutters may be sharpened freehand using a diamond hone or file (see page 20), or on traditional sharpening machines using the 472 tip holder (see page 19).

Spindlemaster



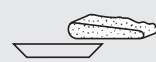
Fluted Parting Tool



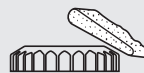
Thread Cutting Tool



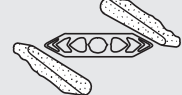
Round Scraper Cutter



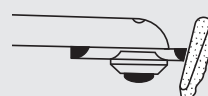
Spiralling Tool



Texturing Tool



Round/End Hollowing Tip



Scraper Tip



chisel sharpening

Bench chisels are made from carbon steel. This gives them a keen cutting edge. For this reason we recommend you keep the edge in perfect condition with regular visits to the sharpening stone.

Nowadays there is a wide selection of different stones for the woodworker – ranging from natural Arkansas stones, to the popular Japanese waterstones, and to the more modern diamond impregnated and ceramic stones.

All of these are available in different sizes – you should choose the size of stone most suitable for the size of chisel to be sharpened. Such stones are normally used in conjunction with a lubricant – either a special honing oil or water.

Like plane irons and spokeshave blades, bench chisels normally have two bevels. The honing or micro bevel is traditionally 5° greater than the grinding angle. This imparts greater strength to the razor-sharp edge. Robert Sorby has redefined the standard bevel angles on its traditional carpentry chisels (see diagram) to match the harder timbers more frequently used by those purchasing our

chisels. We now use 25 degree primary bevel and a 30 degree secondary bevel for tools that leave the factory. A primary angle of 20 degrees and a secondary of 25 degrees, traditionally used on soft woods like pine and frequently seen on UK site work is still recommended for this type of work.

The Robert Sorby ProEdge also offers a sensational method for sharpening chisels and is particularly good at re-profiling damaged tools quickly and efficiently. We suggest using in combination with your favoured stone method.

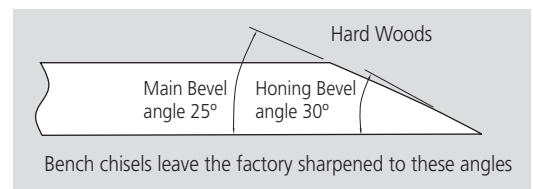
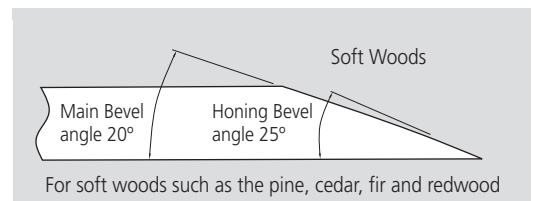
You know it is time to sharpen your chisel when scratch marks appear on the workpiece or when cutting becomes ever more difficult. Another useful tip is to hold your chisel up to the light. A sharp edge does not reflect the light.

Sharpening Specialist Chisels

Standard Bevel Angles

Mortice Chisels	- 30°	A flat clean oil or water stone is recommended for sharpening these chisels
Paring Chisels	- 25°	
Framing Chisels	- 30°	
In-cannel Gouges	- 25°	
Out-cannel Gouges	- 25°	

Corner Chisels - sharpen each face individually using an oil stone with a good square edge.
Draw Knife - hand lap using flat clean oil stone.



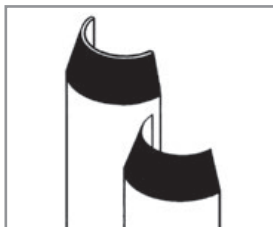
carving tool sharpening

A good quality carving tool is made from high carbon steel and will sharpen down to ½ micron – at least four times sharper than a razor blade. The bevel should be flat or convex – never concave. Traditionally carving tools have been sharpened on Arkansas or Washita stones but these take time despite the good finish.

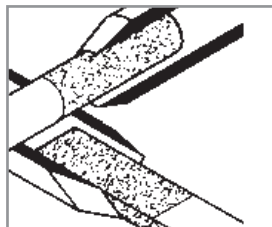
Japanese waterstones are popular and give rapid and fine sharpening finishes but these can be expensive. An array of mechanical processes is available, but we do not recommend using a bench grinder to sharpen carving tools as this will produce an unwanted hollow grind. You also run the risk of blueing the edge and softening it by raising the temper which can irrevocably damage your tool.

The Robert Sorby ProEdge offers a system that will put a razor sharp edge on tools in seconds. We recommend that carving tools are sharpened little and often on a flat disc with a fine abrasive before finishing on a leather or felt disc impregnated with polishing compound. Our honing kit was designed for this purpose and comes complete with all the necessary components. The honing kit can be driven off almost any electric motor.

The recommended bevel angle will vary with preference but generally speaking for light cuts in soft woods such as lime a bevel angle of 15 degrees will cut cleanly. Increase this angle to 20 or 25 degrees for harder woods. Finally always ensure the internal flutes of carving gouges are polished to ensure clean cuts. This can be achieved on a shaped felt or leather honing wheel ensuring that the wheel is rotating away from the cutting edge.



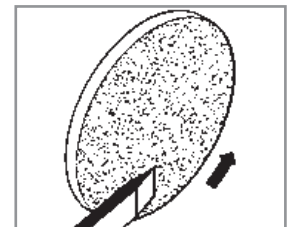
A blunt edge reflects light - sharp ones do not.



Remove inside burr with very fine (600 grit) wet & dry paper wrapped around a shaped stick



1000 grit - sharpening
6000 grit - polishing



Very fine abrasive discs for sharpening - leather discs for polishing



sharpening systems

The Universal Sharpening System is a simple jig which is to be used in conjunction with a conventional bench grinder to sharpen an array of tools without the need for complex adjustments. The system itself comes in three formats – a fingernail profiler (ref. 445) for turning gouges, an adjustable platform (ref. 446) for other turning chisels, bench chisels, and plane irons and a deluxe combination of the two (ref. 447).

Fingernail Profiler

The Fingernail Profiler (ref. 445) is designed to aid the turner who has difficulty in sharpening his bowl and spindle gouges free hand. Typically problems which recur from free hand sharpening are the appearance of facets on the bevel leading to a less than perfect finish on the project, inconsistent shapes, and the unnecessary grinding away of valuable tools.

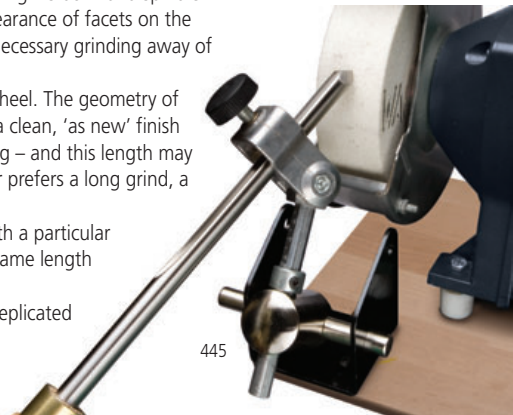
Facets are caused by differential pressure being applied to the tool against the grinding wheel. The geometry of the Fingernail Profiler ensures that only regular pressure can be applied thereby ensuring a clean, 'as new' finish on the bevel every time. By ensuring that the same length of tool is protruding from the jig – and this length may well differ from one tool to another – the same will always be replicated whether the user prefers a long grind, a conventional square grind or anything in between.

One useful tip when using the Fingernail Profiler is that once the turner is comfortable with a particular shape it is advisable to make a mark or a bench stop so that he goes back to exactly the same length every time.

That in turn ensures that the desired shape is replicated. And because the same shape is replicated the amount of material removed is minimal thereby producing immediate cost savings.

Ref	Description
445	Fingernail Profiler

i



Universal Sharpening System

The Universal Sharpening System (ref. 446) simplifies the sharpening of more square or rectangular tools, like bench chisels, plane irons and turners' scrapers. There are also some optional extra jigs which also make it ideal for roughing gouges and skew chisels.

The System itself is adjustable for height and so can be used in conjunction with a 6", 7" or 8" bench grinder. The angle of the platform is also adjustable to cater for the different bevel angles appropriate to tools – a handy angle finder is included to help set angles consistently.

The design also incorporates two nice features. Firstly the adjusting nuts are held captive so there is no fear of losing them in saw dust and shavings. Secondly there are screw slots – rather than screw holes – so that as the grinding wheel wears the System can be moved closer to the bench grinder.

In order to use the extra jigs an Adaptor Table (ref. 447JAT) needs to be fitted to the platform.

This features a groove into which extra jigs can be positively located to give extra control (see page 43).

Ref	Description
446	Universal System

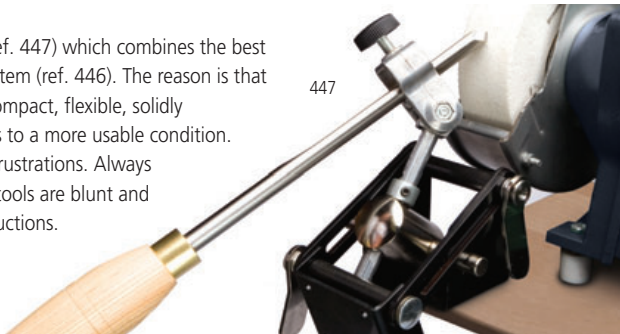


Deluxe Universal Sharpening System

By far the most popular option is the Deluxe Universal Sharpening System (ref. 447) which combines the best features of the Fingernail Profiler (ref. 445) and the Universal Sharpening System (ref. 446). The reason is that in one unit there is the option of a wide range of woodworking tools. It is compact, flexible, solidly constructed and easy to use. It takes all the guesswork out of returning tools to a more usable condition.

Sharp tools make work so much more of a pleasure and take away a lot of frustrations. Always remember the key to good sharpening is little and often – do not wait until tools are blunt and practically unusable. All three options come with comprehensive fitting instructions.

Ref	Description
447	Deluxe Universal System



Long grind jig

Using the long grind jig on the fingernail profiler or the Deluxe Universal sharpening system allows for three different types of profile to be produced on bowl and spindle gouges. It will produce a fingernail profile, a long grind and an extra long grind depending on which location hole the profile arm is used.

It fits onto the bar in replacement of the original fingernail jig that is standard on either of the two sharpening systems and is used in exactly the same way but with the three options.

PELGJ

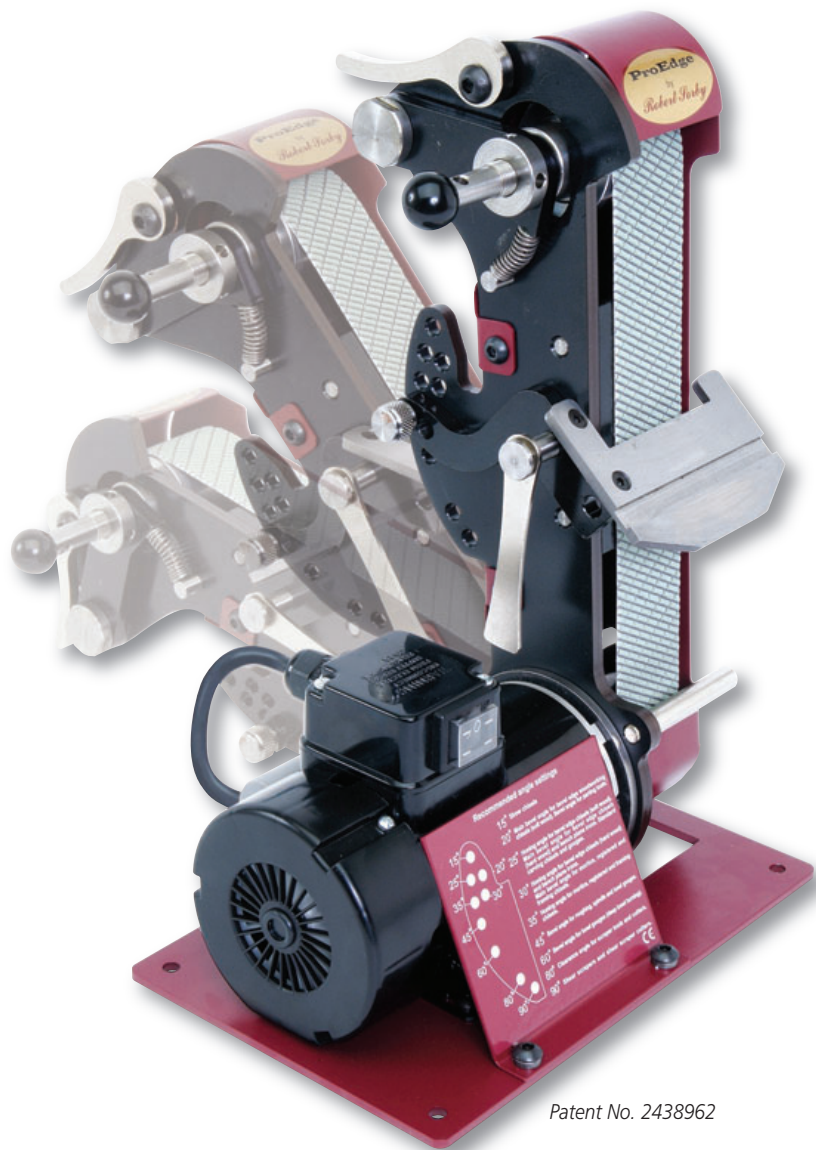


Ref	Description
PELGJ	Long Grind Jig



Examples of the profiles that can be achieved using the Long Grind Jig





Patent No. 2438962

One of the great challenges facing any woodworker is keeping a consistent bevel angle on their tools. With the ProEdge nothing is left to chance. The patented angle setter ensures that the same angle is achieved time after time. It incorporates a pre-set of all the most popular bevel angles – 90°, 80°, 60°, 45°, 35°, 30°, 25°, 20°, 15°.

This is a strong well engineered unit which can be located anywhere in the workshop. As the ProEdge largely replicates the tool sharpening system in the Robert Sorby factory it is not only tried and tested over many decades, it is also highly efficient and safe.

Sharpening is carried out by means of a series of inexpensive belts. For a full description of belts and grit sizes see page 43.

Any changing of belts is a simple, straightforward task. Because of the composition of each belt, sharpening is extremely rapid and yet there is a professional, high quality finish. As the sharpening operation is quick, there is no fear of over-heating and consequently damaging the tools.

To make sharpening even more accurate a series of accessories can be fitted to the ProEdge (see page 43). This makes the ProEdge the most efficient, accurate sharpening system around.

It comes with a full instruction manual. To see how the ProEdge will benefit you we also make a free informative CD available from www.robert-sorby.co.uk

The ProEdge System (PE01) comes complete with two belts. Alternatively the ProEdge Deluxe (PED01) includes a skew jig, a gouge jig, fingernail profiler and three different belts.

ProEdge

Makes Sharpening Simple

The Robert Sorby **ProEdge** represents the ultimate system for sharpening all your woodworking tools and knives. Its unique design incorporates many years of experience producing the keenest edges, accurately, efficiently and repeatedly.

The Robert Sorby ProEdge takes all the guesswork and effort out of sharpening all your woodworking tools – bench, framing, carving and turning chisels, drill bits and plane irons – as well as knives and garden tools. The ProEdge requires no complex assembly – it can be plugged in and used straight from the box.

Ref	Description
PED01	ProEdge Deluxe System
PE01	ProEdge System

One of each item marked ♦ is included in the ProEdge System
One of each item marked * is included in the ProEdge Deluxe System.

Technical Details:	
Motor	1/2hp
Surface Speed	1440 ft (440m) per minute



Robert Sorby have manufactured this versatile and lightweight cabinet to accompany the ProEdge sharpening system. Ideal for workshops and sheds this space-saving storage unit means you can keep all your equipment in one easily accessible place.

jigs and accessories

Cutter holder:

To hold tips and cutters securely (see page 19)

Arbor and honing wheels:

Abrasive honing wheels that can be shaped to allow honing of gouge flutes, especially useful for the woodcarver.

Pigtail mandrel, buffing mop and honing paste:

Applied to a buffing mop the honing paste creates a highly polished finish on any steel.

Ref	Description
PESKEW	Skew Jig *
446/447UPG	Fingernail Profiler *
PEVB	Standard Gouge Jig *
PESQ	Woodworking Chisel Jig
PESQW	Woodworkers' Square Guide
PESPC	Short Tool Platform with arm
472	Cutter Holder
PEARBOR	Honing Wheel Arbor
PEBOND	Honing Wheel
PEPIG	Pigtail Mandrel
PEMOP	Buffing Mop
475	Honing Paste
PEKJGS	Knife Jig small
PEKJGL	Knife Jig large
PEKHS	Knife Holder small
PEKHL	Knife Holder large
PELGJ	Long Grind Jig



PE600T

PE1200T

PE3000T

PEDIA

Abrasive sharpening belts:

Aluminium Oxide 60, 120 and 240 grit for sharpening bench chisels, carving tools and plane irons. Zirconium 60 and 120 grit is designed for HSS tools, drills and router bits.

Ceramic 60 and 120 grit is especially hardwearing and long lasting for heavy material removal.

Trizact (brick and pyramid abrasive shaping. 'Grit' sizes: 600, 1200, 3000) designed for all steel. The highest level 'grit' sharpens to two microns (sharper than a razor blade).

Diamond belt

Diamond belts offer the pinnacle in abrasive technology. Providing both the flexibility of standard cloth belts with the durability and fast cutting action of plated diamond wheels. The diamond particles are precisely graded providing a long life solution for the sharpening of the most difficult of materials. Due to the hardness of the diamond abrasive grain, outstanding results can be achieved with tungsten carbide, ceramic, glass and natural stone and many other resistant materials. Invest in one of these belts and their longevity and versatility will benefit you a lifetime.

Ref	Description	Grit size
PE60A	Aluminium Oxide	60
PE120A	Aluminium Oxide	120 ♦ *
PE240A	Aluminium Oxide	240 *
PE60Z	Zirconium	60 ♦ *
PE120Z	Zirconium	120
PE60C	Ceramic	60
PE120C	Ceramic	120
PE600T	Trizact	600
PE1200T	Trizact	1200
PE3000T	Trizact	3000
PEDIA	Diamond Belt	-

One of each item marked ♦ is included in the ProEdge System

One of each item marked * is included in the ProEdge Deluxe System.

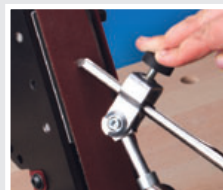
Proset

Achieving the exact bevel angle on any fingernail or long grind gouge has never been easier than with the Robert Sorby Proset.

By placing the gouge into the clamp of the profile arm and then extending the gouge up-to the required stop and locking it into place will allow for precise and repeatable bevel angles to be obtained.



Ref	Description
PROSET	Proset



Fingernail Profiler*:
For that perfectly sharpened
fingernail bowl or spindle gouge.



Skew Jig*:
For accurate sharpening of
woodturning skew chisels.



Standard Gouge Jig*:
Allows easy sharpening of all
standard ground woodturning
gouges.



Woodworking Chisel Jig:
Accurately ensures a straight
cutting edge on any
woodworking chisel.



Honing Mop:
Gives that extra
fine edge.



Knife Sharpening Jig:
Sharpens all knives accurately
and easily.



PESQW

New Woodworkers' Square Guide
Stepped plate raises the tool away from the tool platform.



PESPC

Short Tool Platform
Increases access when tools are getting old and worn.



PELGJ

Long Grind Jig
Helps you to create three different fingernail profiles. See page 41.

knife sharpening jig

The knife jig consists of a back plate, raised wear plate, universal arm and knife holder. The kit includes full instructions and only takes a few minutes to fit onto the ProEdge. It is available in two sizes: a small knife holder for pocket knives, carving knives and blades up to 8" long and a large knife holder for hunting knives and blades over 8". The clamp on the knife holder has two clamping screws to secure the blade and a jacking screw to ensure a positive grip across the full length of the holder. The adjustable collar on the arm will allow different bevel angles to be sharpened from a steep angle for a woodcarving knife to a shallow angle for a fish filleting knife.

Raised Wear Plate

PEKHL

PEKHS

Universal arm

www.robert-sorby.co.uk

Our award-winning web site is a valuable source of up-to-date information. It not only carries details of the products we manufacture, but enables you to download instruction sheets, find your nearest Robert Sorby dealer, keep abreast of events in the woodworking field, locate the next Robert Sorby product demonstration in your area, link to other useful woodworking sites around the world - and watch most of our tools in action in our movie clips.



You can also follow regular news on [www.twitter.com/robertsorby](https://twitter.com/robertsorby)

Product Demonstrations

As well as providing illustrated instruction sheets with many of our tools, we are committed to an extensive international programme of product presentations. In recent years Robert Sorby personnel have carried out demonstrations across the United States, Canada, Germany, France, Italy, Belgium, Denmark, Spain, Austria, Netherlands, Norway, Finland, Australia, New Zealand, South Africa, Eire and Britain. Details of our current schedule can be found on www.robert-sorby.co.uk/demonstrations

Our Aim

Our aim is to manufacture woodworking tools of outstanding quality, fit for the purpose for which they are intended. We back this up with first-class service. If you are not happy, let us know.

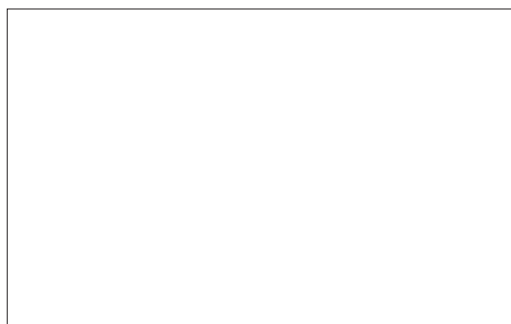
Help

Many Robert Sorby employees are active woodworkers. They have tackled a lot of the challenges which face our customers. If you have a problem, if you need help or advice, give us a call or send us an e-mail - sales@robert-sorby.co.uk
We do not guarantee to have the answer to every question, but we will give honest advice.

Product Changes

From time to time we implement design changes with the aim of enhancing our products.

Robert Sorby products are available from



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Athol Road, Sheffield S8 OPA, England.

Tel: +44 (0) 114 225 0700

Fax: +44 (0) 114 225 0710

E-mail: sales@robert-sorby.co.uk

Web site: www.robert-sorby.co.uk

NEW Products

Jaw and Collet tool
and Crush Grind tool,
page 7



New collet to
accommodate
increased range for
Sovereign, page 15



Woodworking Jig,
page 43



Excelsior, pages 5, 10
and 16



TurnMaster, pages 10
and 16



Micro set 18 piece and
12 piece, page 12



Scrapers, skews, gouges
and parting tools all
NEW for Sovereign
system, page 15



Hold pen blanks on the
Patriot Chuck with our
new jaws, page 28

