











Robert Sorby

PROUDLY MADE IN SHEFFIELD, ENGLAND SINCE 1828



THE WORLD'S PREMIER MANUFACTURER OF SPECIALIST WOODWORKING TOOLS

Contents

 Woodturning Tools	4 - 32	 Sharpening	46 - 53
 Lathe & Chucks	33 - 37	 Pyrography 	54 - 55
 Carving Tools	38 - 40	 Tools & Techniques	56 - 59
 Chisels	41 - 45	 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.

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
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.

OUR AIM

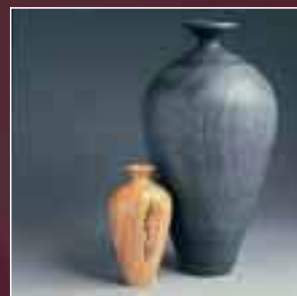
Our aim is to manufacture woodworking tools of outstanding quality, fit for the purpose for which they are intended. We back this up with first-class service. If you are not happy, let us know.

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.



Starting out woodturning



Woodturning is without doubt an addictive activity. The cut of sharpened steel on timber creating long spiralled shavings and fine hair-like slivers captures the imagination and fires creativity. Add to this the pleasure of reducing rough timber blanks into beautiful, practical objects and it's easy to see why so many get so much satisfaction from woodturning.

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 may also want to consider 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 46 to 53. Remember the better your tools are sharpened the longer they will last and the easier they will be to use.

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
- 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

To find out if our handled tools are the perfect match for the Sovereign system or also available blade only use this simple key:

- S** compatible with Sovereign handle system in its blade only form
U indicates also available as blade only

H at the end of each code indicates the tool has a handle. Disregard the H if a Sovereign or blade only tool is required

For more information on the Sovereign system see pages 18 and 19

BOWL GOUGES

Standard Bowl Gouges (Deep Flute)

Ref	Size	Overall Length	Handle Length
842LH	S U 1/4" (6mm)	23"	14"
842LH	S U 3/8" (10mm)	23"	14"
842LH	S U 1/2" (13mm)	23"	14"
842XLH	1/2" (13mm)	26"	17"
842XLH	S U 3/4" (19mm)	26 3/4"	17"
8427	S U 1/2" (13mm)	18"	-
8427	S U 3/4" (19mm)	18"	-

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 Bowl Gouges (Deep Flute)

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

The fingernail shape of this gouge increases flexibility allowing the turner to perform 'pull cuts' without catching the lathe bed. The greater cutting area can be used equally well for heavy profiling cuts or fine, delicate shearing cuts. Easily maintained using the Robert Sorby ProEdge sharpening system - see pages 46 -53.

SPINDLE GOUGES

Standard Spindle Gouges

Ref	Size	Overall Length	Handle Length
840H	S U 1/4" (6mm)	16 1/2"	10"
840H	S U 3/8" (10mm)	16 1/2"	10"
840H	S U 1/2" (13mm)	18 1/4"	12"
840H	S U 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 Spindle Gouges

Ref	Size	Overall Length	Handle Length
840FH	S U 3/8" (10mm)	16 1/2"	10"
840FH	S U 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. Easily maintained and sharpened using the Robert Sorby ProEdge sharpening system - see page 46 - 53.

Long and Strong Spindle Gouges

Ref	Size	Overall Length	Handle Length
841H	S U 3/8" (10mm)	19"	10"
841H	S U 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 Spindle Gouges

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

Ref	Size	Overall Length	Handle Length
843H	S U 3/4" (19mm)	19"	12"
843LH	U 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	U 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.



DETAIL POINT TOOL







Ref	Size	Overall Length	Handle Length
822H	  3/8" (10mm)	16"	10"

With its three facet point, this is ideal for fine detailing work on bowl and spindle work.



822H
Detail Pointer

Excelsior High Performance Spindle Gouges







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.



840GH
Spindle Gouge - High Performance

Excelsior High Performance Bowl Gouges



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.



842GLH
Bowl Gouge - High Performance

Excelsior High Performance Spindle Roughing Gouges





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.



843GH
Spindle Roughing Gouge - High Performance

Spindlemaster

Ref	Size	Overall Length	Handle Length
812H	  1/2" (13mm)	16 1/4"	10"
812H	  3/4" (19mm)	16 1/4"	10"







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 bevel helps to produce a high quality finish. Exceptional results on softer, traditionally more difficult woods like pine. Illustrated instructions supplied. See page 25 for further details.



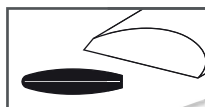
812H
Spindlemaster

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 spindle 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.



809H
Oval Skew

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"

This tool is rectangular in section giving it more weight and making it superb for spindle work e.g. newel posts and table legs. We have modified the tool this year by 'rolling' the edges slightly to help turners avoid catching an edge and to allow greater manoeuvrability.



810H
Standard Skew

Round

Ref	Size	Overall Length	Handle Length
813H	  1/4"	14"	8 1/2"
813H	  3/8"	16"	10"





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, covs, highlights and other details.



813H
Round Skew

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.

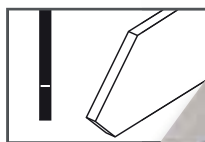


830H
Standard Parting Tool

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.




830SH
Slim Parting Tool

High Speed Steel Turning Tools


PARTING TOOLS

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.

Slim 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 sensitivity for refining cuts.

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

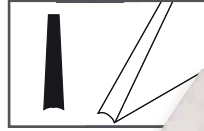
Ref	Size	Overall Length	Handle Length
825H	 3/4" (19mm)	18 1/2"	10"

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.

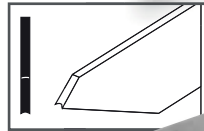
831H
Diamond Parting Tool



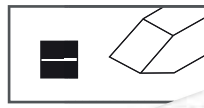
832H
3/16" Fluted Parting Tool



832H
2mm Fluted Parting Tool



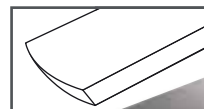
833H
Beading and Parting Tool



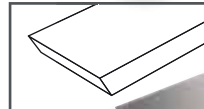
834H Bedan



820H
Round Nose Scraper



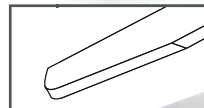
823H
Square End Scraper



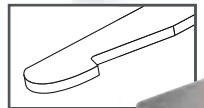
828H
Curved Scraper



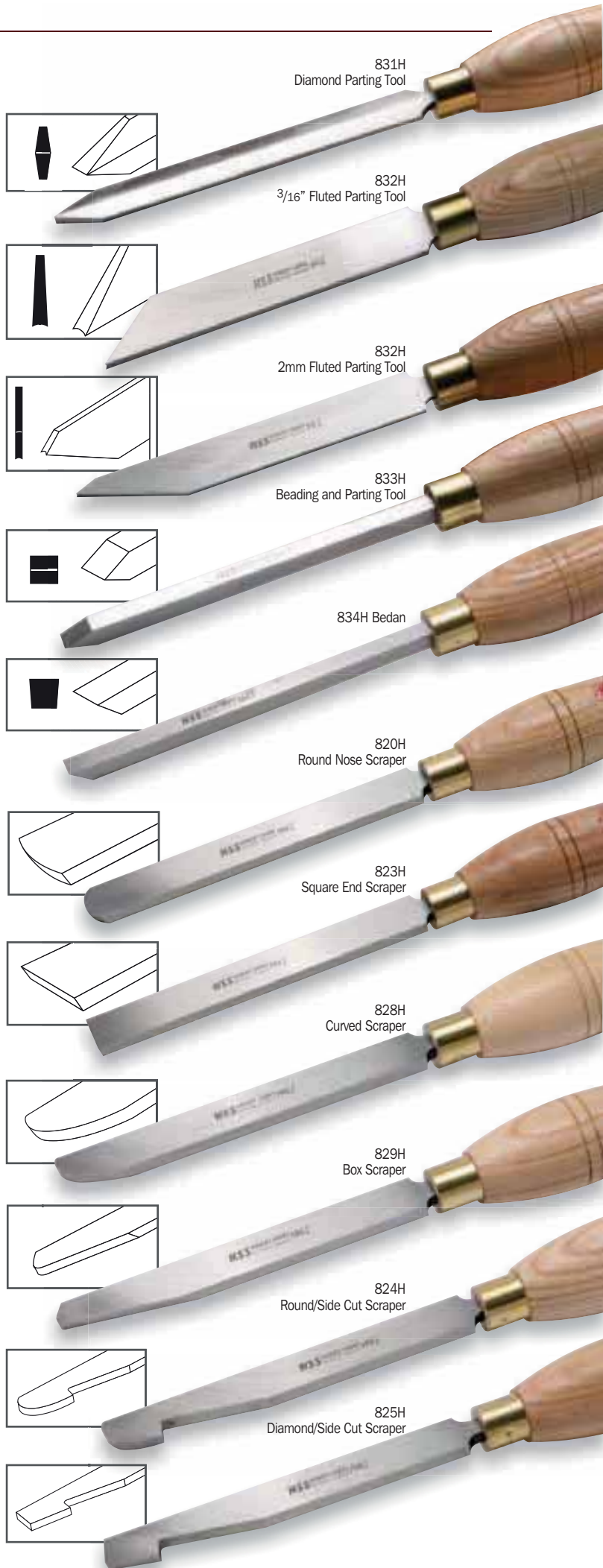
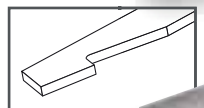
829H
Box Scraper



824H
Round/Side Cut Scraper



825H
Diamond/Side Cut Scraper

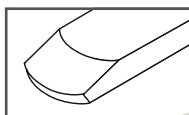


SCRAPERS

Negative Rake Scraper

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

We've changed the name of this tool to suit its wider application. Formerly known as the Hardwood Scraper it was originally designed to tackle hardwoods when producing musical instruments. However, the tool is equally at home on all types of wood and is as effective on spindle work as it is on bowls – the action of the negative rake on the bevel reducing the risk of grain tear-out and leaving a polished surface that requires little or no sanding.



821H
Negative Rake Scraper

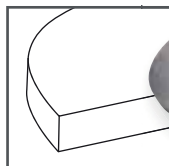
HEAVY DUTY SCRAPERS

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.

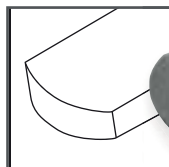


8007LH
Bowl Finishing Outboard Scraper

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.

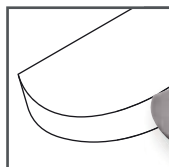


8004LH
Full Round Scraper

Bowl Finishing Inboard Scraper

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

Designed for finishing bowls when working inboard.



8008LH
Bowl Finishing Inboard Scraper

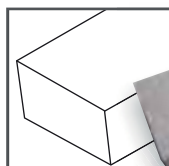
EXTRA HEAVY DUTY SCRAPERS

Slightly narrower than the heavy duty scrapers but produced from thicker 1/2" (13mm section) this range of five scrapers practically eliminate vibration and offer the ultimate in bowl finishing stability. These tools are available everywhere, but in North America are exclusive to Woodcraft.

Square Nose Scraper

Ref	Size	Overall Length	Handle Length
8011H	1" (25mm)	21"	14"

For finishing convex and flat bottomed forms.

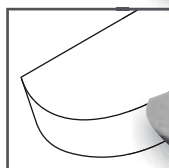


8011H
Square Nose Scraper

Bowl Scraper

Ref	Size	Overall Length	Handle Length
8012H	1" (25mm)	21"	14"

For inboard bowl finishing.

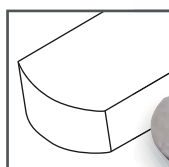


8012H
Bowl Scraper

Round Nose Scraper

Ref	Size	Overall Length	Handle Length
8013H	1" (25mm)	21"	14"

For bowls and platters where a smooth curve is required.

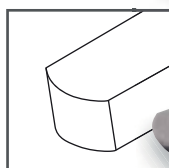


8013H
Round Nose Scraper

Round Nose Scraper

Ref	Size	Overall Length	Handle Length
8014H	1/2" (13mm)	22"	14"

For bowls and platters where a smooth curve is required.

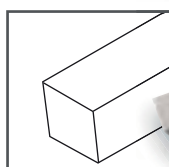


8014H
Round Nose Scraper

Square Nose Scraper

Ref	Size	Overall Length	Handle Length
8015H	1/2" (13mm)	22"	14"

For finishing convex and flat bottomed forms.



8015H
Square Nose Scraper

Turning Tool Sets

Buying sets of turning tools can be an extremely economical introduction to woodturning. At Robert Sorby we produce tool sets to appeal to a wide array of turning styles and individual tastes.

The 67HS comprises six tools that support the enormous range of Robert Sorby standard tools. This set is incredibly popular and offers excellent value.

The shorter handles offered by the 52HS set make excellent introductory level tools, ideal for handling small projects and more detailed work. The tools in this set are lighter and appeal to a variety of different users.

For fine detail work the handled micro tools and the popular modular system are an excellent choice. A full range of these tools can be seen on pages 14 – 17. These tools are designed for miniature work and pen turning.

All tools are made from the very best high speed steel and are hardened and tempered to Robert Sorby's own specific requirements. Polished flutes and hand finished handles typify the quality and attention to detail that are the hallmarks of the Robert Sorby brand.

52HS - FIVE PIECE TURNING TOOL SET

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.

THE SET INCLUDES:

- 883H 3/4" Spindle roughing gouge - turns square to round, a real work horse
- 881H 3/8" Spindle gouge - details spindle work
- 882H 1/2" Flat skew chisel - ideal for planing and smoothing cylinder shapes
- 830H 1/8" Parting tool - for parting off work and great for detailing
- 884H 1/2" Round nose scraper - just the job for bowls, platters and spindle work

Note: Please quote part numbers for individual tools

* Tools in this set are 14" long.



67HS - SIX PIECE TURNING TOOL SET

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.

THE SET INCLUDES:

- 843H 3/4" Spindle roughing gouge - turns square to round, a real work horse
- 840H 3/8" Spindle gouge - details spindle work
- 842H 3/8" Bowl gouge - makes light work of the hardest material and will quickly turn bowls
- 810H 3/4" Standard skew chisel - modified slightly this year to provide a slightly 'rolled' edge to help guard against catching an edge, this tool still retains much of its weight making it an ideal choice for larger spindle work, such as newel posts and table legs
- 830H 1/8" Parting tool - for parting off work and great for detailing
- 820H 1/2" Round nose scraper - just the job for bowls and platters

Note: For individual tools please see pages 4 - 7



82HS - EIGHT PIECE TURNING TOOL SET

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 INCLUDES:

843H 3/4" Spindle roughing gouge - turns square to round, a real work horse

840H 1/4" Spindle gouge - details spindle work

840H 1/2" Spindle gouge - provides greater variety for engaging spindle work

842H 3/8" Bowl gouge - makes light work of the hardest material and will quickly turn bowls

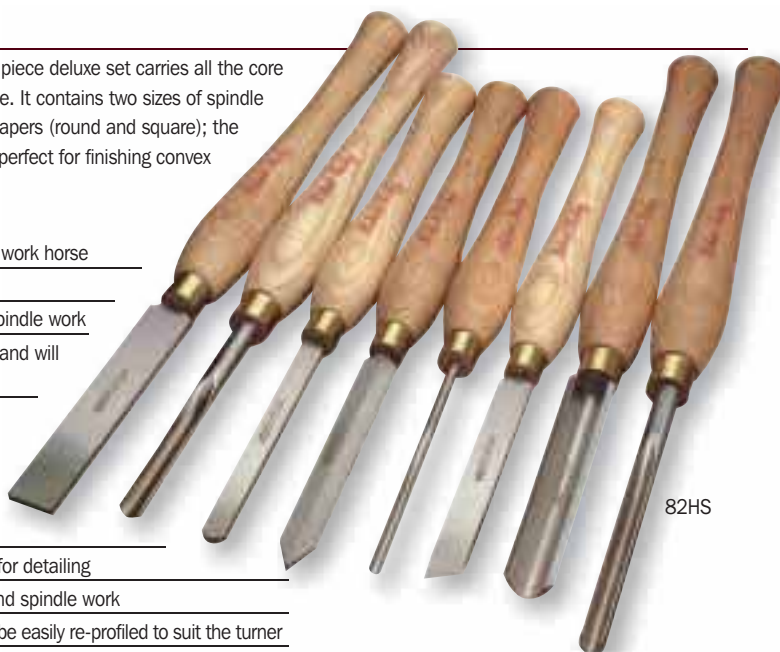
810H 3/4" Standard skew chisel - modified slightly this year to provide a slightly 'rolled' edge to help guard against catching an edge, this tool still retains much of its weight making it an ideal choice for larger spindle work, such as newel posts and table legs

831H 3/16" Diamond parting tool - for parting off work and great for detailing

820H 1/2" Round nose scraper - just the job for bowls, platters and spindle work

823H 1" Square scraper - ideal for flat bottomed projects and can be easily re-profiled to suit the turner

Note: For individual tools please see pages 4 - 7



5HSTLR - FIVE PIECE TURNING TOOL SET IN A LEATHER ROLL



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.

843H 3/4" Spindle roughing gouge - turns square to round

840H 3/8" Spindle gouge - puts detail on spindles

842H 3/8" Bowl gouge - a must for anyone wanting to turn bowls

830H 1/8" Parting tool - for parting off work at the end and also adding detail

820H 1/2" Round nose scraper - just the job for bowls and platters

Note: For individual tools please see pages 4 - 7

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.



The Robert Sorby 52HS, 67HS and 82HS sets are presented in beautifully crafted boxes. These boxes are of the highest quality and make a striking visual impact especially if gifted as a present.

Sovereign Deluxe Box Sets

The Sovereign deluxe box sets are on many a woodturner's wish list. These beautifully designed and hugely popular sets appeal to beginners and experienced woodturners alike.

Sovereign enthusiasts will be aware of the system's flexibility which is enhanced in these sets with the addition of the imaginative and economical 4" handle extension. This simple but highly practical inclusion means that fully extended the turner can quickly increase handle length to 17".

This versatility allows for comfortable close-work using the 12" handle whilst providing the resourceful extension for larger projects that may call for greater control.

Please see
page 18 for
handle
details



SOV-67DBS - SOVEREIGN 6 PIECE TURNING TOOL SET

Everything a woodturner could want from a starter kit. This set contains the same tools as the ever popular 67HS but with additional benefits afforded by the Sovereign handle extension.

Set includes: $\frac{3}{4}$ " spindle roughing gouge, $\frac{3}{8}$ " spindle gouge, $\frac{3}{8}$ " bowl gouge, $\frac{3}{4}$ " standard skew chisel, $\frac{1}{8}$ " standard parting tool, $\frac{1}{2}$ " round nose scraper, 12" Sovereign handle, 4" Sovereign extension, Sovereign $\frac{3}{8}$ ", $\frac{1}{2}$ " and Tang collets, Sovereign threaded coupler, 600 grit diamond honing card, Focus on Starting out Woodturning DVD.

SOV-3370DBS - SOVEREIGN SPIRALLING AND TEXTURING TOOL SET

Create beautiful textured shapes in any woodturning project with this incredible set. Features both the full size and modular micro systems to deliver a multitude of decorative shapes and patterns. An absolute must for those wanting to add finesse to a project.

Set includes: Unhandled Spiralling System (330S), Texturing cutter, Spiralling cutters 2mm, 4mm and 6mm pitches, Unhandled Modular Micro Spiralling Tool (370/0), 2 micro spiralling cutters and a micro texturing cutter, Modular Micro Handle, 12" Sovereign handle, 4" Sovereign extension, Sovereign $\frac{1}{2}$ " collet, Sovereign threaded coupler, 600 grit diamond honing card, Focus on Decorative Techniques DVD.



SOV-RS200DBS - SOVEREIGN HOLLOWING SET

This set focuses on one of Robert Sorby's most popular tools – the Multi Tip Hollowing Tool (RS200KT). Whether you're starting out or have been turning for years, this tool provides a flexibility that enables the woodturner to make light work of more specialised projects.

Set includes: RS200 Multi-Tip Hollowing Tool, $\frac{3}{8}$ " spindle gouge, $\frac{3}{8}$ " bowl gouge, $\frac{3}{4}$ " spindle roughing gouge, $\frac{1}{4}$ " standard parting tool, 12" Sovereign handle, 4" Sovereign extension, Sovereign $\frac{3}{8}$ ", $\frac{1}{2}$ " and Tang collets, Sovereign threaded coupler, 600 grit diamond honing card, Focus on Specialist Woodturning Tools Part 1 and 2 DVD.



SOV-RSTMDBS - SOVEREIGN TURNMASTER SET

The Robert Sorby TurnMaster is the perfect tool for the beginner or a fantastic foil for the more experienced woodturner looking for a flexible tool to equip their workshop. This set comes complete with three detachable heads to allow for quick interchanging.

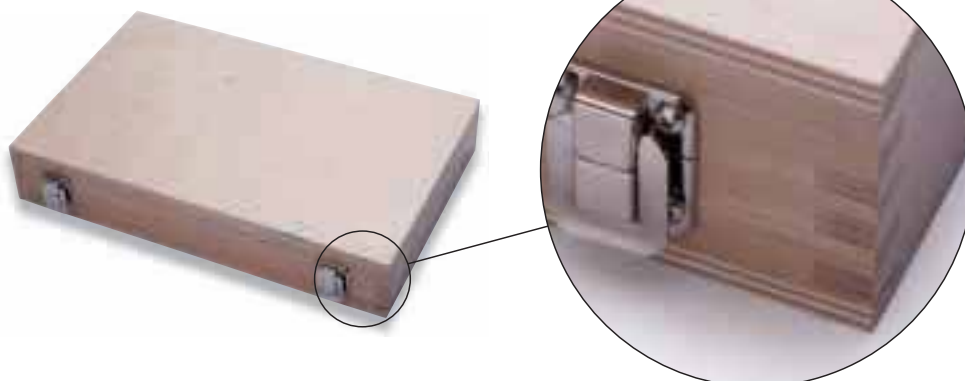
Set includes: TurnMaster Shank with HSS detail point cutter fitted (RSTM-HCT2), HSS round cutter fitted to a detachable head, HSS square cutter fitted to a detachable head, cutters TIP4 French Curve, TIP5 Teardrop, TIP6 Mushroom, TIP7 Dovetail/Box, $\frac{1}{4}$ " Standard Parting Tool, 12" Sovereign handle, 4" Sovereign extension, Sovereign Tang and $\frac{1}{2}$ " collets, Sovereign threaded coupler, 600 grit diamond honing card.



Please note all sets have a pre-formed high density foam insert to hold the tools in place (removed for photographic clarity)

THE BOX

Made from sustainably sourced birch plywood – comb jointed with a beech frame. Chrome plated furniture and a hard wearing lacquer finish guarantee satisfaction



TurnMaster

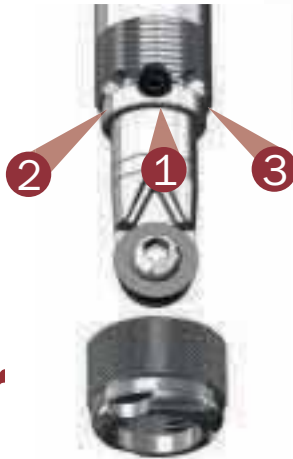
PROVIDING CHOICE AND FLEXIBILITY IN ONE EASY TO HANDLE TOOL.

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

Now woodturners can choose between tungsten carbide, titanium nitride and high speed steel cutters and decide what material best suits the way they work.

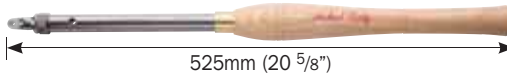
Designed to quickly and easily complete many popular projects, the TurnMaster has been a huge success with both novices and experienced turners. Its unprecedented collection of parts and cutters making it the most versatile and value added single tool concept on the market today.

This blow up of the patented TurnMaster Head highlights its versatility. Create beautifully smooth finishes scraping to the left or right or lock it into the central position to remove bulk.



DIMENSIONS

Handled TurnMaster overall length



Unhandled TurnMaster overall length i.e. the shank and head



For those wanting to turn their own handle the diameter and length of the tang are as follows: Diameter 13mm (1/2") Length of the tang is 55mm (2 1/8")



Patented

COLLET
Use the SOV-C13 1/2" collet for unhandled TurnMaster

TurnMaster

TUNGSTEN CARBIDE

Ref	Description
RSTM-HCT123	TurnMaster Handled plus the Round, Detail Point and Square Tungsten Carbide Cutters
RSTM-CT123	Pack of Round, Detail Point and Square Tungsten Carbide Cutter
RSTM-HCT1	TurnMaster Handled plus Round Tungsten Carbide Cutter
RSTM-HCT2	TurnMaster Handled plus Detail Point Tungsten Carbide Cutter
RSTM-HCT3	TurnMaster Handled plus Square Tungsten Carbide Cutter
RSTM-SCT1	TurnMaster Shank plus Round Tungsten Carbide Cutter
RSTM-SCT2	TurnMaster Shank plus Detail Point Tungsten Carbide Cutter
RSTM-SCT3	TurnMaster Shank plus Square Tungsten Carbide Cutter



RSTM-HCT123

HIGH SPEED STEEL (HSS)

Ref	Description
RSTM-HT123	TurnMaster Handled plus the Round, Detail Point and Square HSS Cutters
RSTM-ST123	TurnMaster Shank plus the Round, Detail Point and Square HSS Cutters
RSTM-TIP123	Pack of 3, Round, Detail Point and Square HSS Cutters
RSTM-TIP4567	Pack of 4, French Curve, Dovetail, Teardrop Inside/Outside and Mushroom HSS Cutters



RSTM-TIP4567

RSTM-TIP123

TurnMaster Head

This head will allow a much quicker transition from one cutter shape to another. Simply changing heads will ensure you maintain the cutters ideal position.

Ref	Description
RSTM-HEAD	TurnMaster Head only

Ref	Description
RSTM-TH	Tip Holder

No more ground finger ends, just bolt on your tips to aid with sharpening.

Also available

Ref	Description
RSTM-SH	TurnMaster shank and head only no cutter
RSTM-HSH	TurnMaster handled shank and head only no cutter
RSTM-HCT3H1	TurnMaster handle and CT3 and additional head and CT1



ALL CUTTERS ARE AVAILABLE INDIVIDUALLY AS DETAILED BELOW

Round Cutter

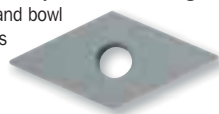
A general purpose cutter used for rapid removal of material both inside and outside of bowls and hollow forms – works equally efficiently on spindle work. In shear scraping mode it will produce an extremely fine finish requiring little or no sanding.



Ref	Material	Sharpening
RSTM-CT1	Tungsten Carbide	◆
RSTM-TIP1	High Speed Steel	✱
RSTM-GT1	Titanium Nitride Coated HSS	✱

Detail Point Cutter

Contrary to its description this cutter is the first choice when roughing square to round both quickly and safely when turning between centres (spindle work) Also extremely useful for creating fine detail on spindle and bowl work. Shear scraping is not advised with this cutter.



Ref	Material	Sharpening
RSTM-CT2	Tungsten Carbide	◆
RSTM-TIP2	High Speed Steel	✱
RSTM-GT2	Titanium Nitride Coated HSS	✱

Square Cutter

Used for generating square shoulders on tenons where a turned part is to be assembled in to a hole – a chair leg is a good example. This cutter is useful on the outside of a round form as well as long straight sections on spindle work. A superior finish can be achieved by making your final cuts in shear scraping mode.



Ref	Material	Sharpening
RSTM-CT3	Tungsten Carbide	◆
RSTM-TIP3	High Speed Steel	✱
RSTM-GT3	Titanium Nitride Coated HSS	✱

French Curve

This cutter is ideal for scraping or shear scraping inside forms. Ideally suited for that finishing cut on egg cups, goblets and round bottomed boxes.



Ref	Material	Sharpening
RSTM-TIP4	High Speed Steel	✱
RSTM-GT4	Titanium Nitride Coated HSS	✱

Teardrop Inside / Outside

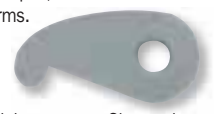
Use the straight side for scraping and shear scraping outside forms. The curved edge is excellent for scraping and shear scraping inside forms.



Ref	Material	Sharpening
RSTM-TIP6	High Speed Steel	✱
RSTM-GT6	Titanium Nitride Coated HSS	✱

Mushroom

As the name suggests this cutter is designed for undercutting mushroom shapes, but is also ideal for hollowing out small forms.



Ref	Material	Sharpening
RSTM-TIP7	High Speed Steel	✱
RSTM-GT7	Titanium Nitride Coated HSS	✱

Dovetail / box

This cutter is designed to create parallel side walls and 90 degree corners in boxes. It also creates dovetails and tenons to mount timber on scroll chucks.



Ref	Material	Sharpening
RSTM-TIP5	High Speed Steel	✱
RSTM-GT5	Titanium Nitride Coated HSS	✱

Ref Material Sharpening

RSTM-GT123 Titanium Nitride pack of 3 cutters ✱

- ◆ Requires Diamond or CBN abrasives for sharpening (the ProEdge fitted with a diamond belt is ideal).
- ✱ Can be sharpened using traditional abrasives and methods



Scan here to find out more



Scan here to see three popular projects completed using TurnMaster

HARD, HARDER, HARDEST, SHARP, SHARPER, SHARPEST

Tungsten Carbide:

Makes light work of the tough materials and is an extremely hard wearing and long lasting material. Although designed as a throwaway item it can be sharpened on specialist equipment such as Robert Sorby's ProEdge when fitted with a diamond belt. (Made much easier with the aid of the tip holder, RSTM-TH)

- Sharpens to 0.7 - microns • Hardness: 90 RC • Material: micro grade tungsten carbide



High Speed Steel (HSS):

This super fine grain structure will provide a razor sharp edge. The result is a superior finish to your turning projects and less need for sanding. Can easily be sharpened on traditional sharpening machines such as bench grinders or on the Robert Sorby ProEdge. (Made much easier with the aid of the tip holder, RSTM-TH)

- Sharpens to 0.2 - 0.4 microns Hardness: 62RC • Material: M2 HSS



Titanium Nitride (TiN) plasma bonded coating:

TiN is bonded onto quality HSS. It provides the same advantages as HSS whilst enhancing the cutting life close to that of tungsten carbide. Use the same traditional sharpening equipment used for HSS.

- Sharpens to 0.15 - 0.2 microns • Hardness of coating: Up to 85 RC • Material: Titanium nitride on M2 HSS



Micro Turning

This popular range of tools embodies the craftsmanship resplendent in Robert Sorby's world renowned full size tools. The unique sizes and profiles have been adapted to provide the flexibility and control essential for detail work. These tools are ideal for working on smaller lathes where encountering the bed bars can be a problem with conventional tools.

HARDWOOD SCRAPER

Ref	Size	Overall Length	Handle Length
860H	Negative Rake 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 Fine Detail Spindle Turning Set
Above 5 tools are available as a spindle turner's set. Ideal for those making dolls' house furniture.

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 Spindle Turning Set
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".

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 Hollowing Tool Set
A combination set offering miniature hollowing tools and fine round skew chisels for spindle and detailing work.

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.

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 Ornamental Hollowing Set
This set of micro turning tools has been specifically designed for miniature hollowing.

860H
1/4" Negative Rake Scraper

861H
1/4" Spindle Gouge

862H
1/8" Spindle Gouge

863H
1/4" Round Nose Scraper

864H
1/4" Skew Chisel

865H
1/16" Parting Tool

866H
5/16" Roughing Gouge

867H
1/4" Spindle Gouge

868H
3/8" Shear Scraper

869H
1/2" Skew Chisel

870H
1/16" Fluted Parting Tool

871H
1/4" Bedan

872H
3/8" Curved Scraper

873H
3/16" Hollowing Tool

874H
1/8" Round Skew

875H
1/4" Round Skew

879H
1/2" Spindlemaster

876H
3/16" Straight Tool

877H
3/16" Cranked Tool



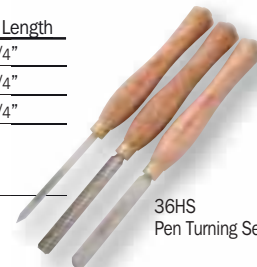
45HS
Set of 5



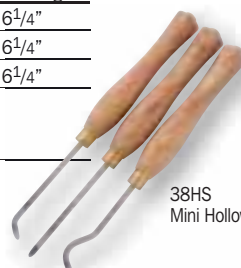
46HS
Set of 5



47HS
Set of 5



36HS
Pen Turning Set



38HS
Mini Hollowing Set

Modular Micro Tools

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.



888 Aluminium Handle



Actual size open twist vase by Lulia Chin Lee. Made using Robert Sorby micro turning tools. To see more examples of turning life in miniature see page 56

Ref	Description	Size
889	Aluminium Handle (long)	7¾" (195mm)
888	Aluminium Handle	5¾" (145mm)
888/1	Micro Roughing Gouge	1/2" (13mm)
888/2	Micro Spindle Master	1/2" (13mm)
888/3	Micro Parting Tool	1/16" (2mm)
888/4	Micro Gouge	1/2" (13mm)
888/5	Micro Beading and Parting Tool	5/32" (4mm)
888/6	Micro Boring Tool	3/8" (10mm)
888/7	Micro Swan Neck Hollowing Tool	1/4" (6mm)
888/8	Micro Skew	1/4" (6mm)
888/9	Micro Round Nose Scraper	1/4" (6mm)
888/10	Micro Curved Undercut Scraper	5/16" (8mm)
888/11	Micro French Curve Scraper	1/4" (6mm)
888/12	Micro Diamond Undercut Scraper	5/16" (8mm)
868	Micro Shear Scraper	3/8" (10mm)
867	Spindle Gouge	1/4" (6mm)
873	Hollowing Tool	3/16" (5mm)
875	Round Skew	1/4" (6mm)

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

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



370/0

MICRO SANDMASTER

Like its full-sized equivalent on page 31 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
888SM	Micro Sandmaster Set
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)



888/0

411

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.

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	Size
888HS6TLR	Modular micro tools in leather tool roll	
888	Modular Micro Handle	
867	Micro Spindle Gouge	1/4" (6mm)
888/1	Micro Roughing Gouge	1/2" (13mm)
888/5	Micro Beading and Parting Tool	5/32" (4mm)
888/8	Micro Skew	1/4" (6mm)
888/9	Micro Round Nose Scraper	1/4" (6mm)
888/12	Micro Diamond Undercut Scraper	5/16" (8mm)



888HS6TLR

888/1
1/2" Roughing Gouge

888/2
1/2" Spindle Master

888/3
1/16" Parting Tool

888/4
1/2" Gouge

888/5
5/32" Beading and Parting Tool

888/6
3/8" Boring Tool

888/7
1/4" Swan Neck Hollowing Tool

888/8
1/4" Skew

888/9
1/4" Round Nose Scraper

888/10
5/16" Curved Undercut Scraper

888/11
1/4" French Curve Scraper

888/12
5/16" Diamond Undercut Scraper

868
3/8" Shear Scraper

867
1/4" Spindle Gouge

873
3/16" Hollowing Tool

875
1/4" Round Skew

Modular Micro Tool Sets

The system is available in eight formats or sets (although blades and attachments are also available individually – see page 15). The pinnacle of these is the Micro Modular 18 tool 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, Hollowing and Spindle sets, which are still available as individual sets too. A further three options are offered: the new five blade set, 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.

The modular knurled grip anodized handles for the modular micro system are available in two sizes: the original 5¾" version which comes as standard in the modular sets and the larger 7¾" version which adds little more leverage and grip for those preferring to work a little further from the project.



The 18 Tool Modular Micro set has all the tools the micro woodturner needs to create anything from beautiful pens to intricate dolls house furniture. This set also comes equipped with micro decorating and sanding tools.

Ref	Description	Size
888HS18T	18 Tool Modular Micro Set	
888	Aluminium Handle	
888/2	Micro Spindle Master	1/2" (13mm)
888/1	Micro Roughing Gouge	1/2" (13mm)
888/3	Micro Parting Tool	1/16" (2mm)
888/4	Micro Gouge	1/2" (13mm)
888/5	Micro Beading and Parting Tool	5/32" (4mm)
888/6	Micro Boring Tool	3/8" (10mm)
888/7	Micro Swan Neck Hollowing Tool	1/4" (6mm)
888/8	Micro Skew	1/4" (6mm)
888/9	Micro Round Nose Scraper	1/4" (6mm)
888/10	Micro Curved Undercut Scraper	5/16" (8mm)
888/11	Micro French Curve Scraper	1/4" (6mm)
888/12	Micro Diamond Undercut Scraper	5/16" (8mm)
888/0	Micro Sandmaster Tool Unhandled	
370/0	Micro Spiralling Tool Unhandled	
	Includes cutters:	
	370/01, 370/02 & 370/03	
867	Spindle Gouge	1/4" (6mm)
868	Micro Shear Scraper	3/8" (10mm)
873	Hollowing Tool	3/16" (5mm)
875	Round Skew	1/4" (6mm)



888HS18T
18 Tool Modular Micro Set Boxed

Modular Micro Tool Sets

This set of 12 modular micro tools encompasses a range of the most popular micro woodturning blades. Great for a range of projects including spindle turning, hollowing and beading.

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



888HS12T

This general purpose five bladed set is a great all rounder and a first class introductory kit for those new to turning in miniature. Essentially this is a micro version of Robert Sorby's larger sized 52HS.

Ref	Description	Size
888HS5T	5 Tool Modular Micro Set	
888	Handle	
888/4	Micro Gouge	1/2" (13mm)
888/5	Micro Beading and Parting Tool	5/32" (4mm)
888/8	Micro Skew	1/4" (6mm)
888/9	Micro Round Nose Scraper	1/4" (6mm)
867	Spindle Gouge	1/4" (6mm)

The modular version of the popular micro pen set. These tools are purposefully designed for the job and provide much greater control than full size tools when roughing off and finishing pen blanks in any material.

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

This modular hollowing set is a great starter kit for those wanting to experiment with hollowing forms in miniature. A handy boring tool makes it easy to open apertures quickly whilst the swan neck hollowing tool delivers greater reach in the undercut.

Ref	Description	Size
87HS	Hollowing Set	
888	Handle	
888/6	Micro Boring Tool	3/8" (10mm)
888/7	Micro Swan Neck Hollowing Tool	1/4" (6mm)
888/9	Micro Round Nose Scraper	1/4" (6mm)



888HS5T



86HS



87HS

Specially designed as an introductory set for micro spindle turning. These three tools support the precision workmanship required for beading and parting out fillets and creating beautiful shapes in miniature.

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

Work spirals and textured patterns in soft and hard wood with this set. Easily creates barley twists, chequered patterns, hatchings, knurls and rope effect designs to name just some of the numerous shapes that this tool's two cutter combination is capable of.

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

Supplied with a medium and fine cutter, additional texturing cutters available (also see pages 13, 17 and 26)

The micro Sandmaster, like its big brother which can be seen on page 31, makes creating that ultra smooth finish a breeze. No need to rub the skin off your fingers when the intuitive design does all the hard work for you. Simply angle the head into the project to be finished and let the tool do the job. Four grit sizes are available and easily Velcro onto the tool head.

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

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



88HS



370A



888SM

Sovereign System


The Robert Sorby Sovereign is a beautifully engineered and ergonomically designed interchangeable handle system that not only looks good but has the perfect feel and balance. Its Softex nonslip grip provides excellent comfort and stability making it ideal for larger projects as well as the intricacies demanded of smaller ones.

A range of accessories add to its versatility providing additional grip, steadiness, weight distribution, extended handle size and enormous tool choice. Four easily interchangeable collets allow for the majority of the Robert Sorby range to fit into this flexible system. Tools with a 5/8" shank don't require a collet and fit directly into the handle.

The Sovereign handle is available in three sizes designed to couple together to provide the woodturner with a variety of alternative sizes

The Robert Sorby Sovereign System offers the woodturner unrivalled flexibility. This picture demonstrates how quick and easy it is to extend handles. This example shows the popular 12" handle extended to 17" when coupled with the 4" extension.



The vast majority of Robert Sorby tools are now available for the Sovereign system and are shown with an  icon throughout the catalogue. The table below indicates on which pages the tools can be found and the opposite page highlights which collet is required for each specific tool.

Tool	Page Number	Tool	Page Number
Gouges	4 and 5	Decorating Tools	30
Scrapers	6 and 7	Hollowing	20, 22, 23 and 24
Parting Tools	5 and 6	TurnMaster	12

SOV-22 (22" HANDLE)

Designed for turners who enjoy working further away from the project it is particularly useful for deep hollow forms and is a favourite with those who use the Sovereign Ultima – the extra long handle providing fantastic support.

SOV-22S As well as the handle only option, the SOV-22S comes with the addition of two collets (SOV-C10 and SOV-C13).

For more information see page 19

SOV-22
22" Handle



SOV-16 (16" HANDLE)

This handle is equally at home providing added comfort when stretching to the bottom of long vases or adding that stability often required with many turning techniques. Its length provides that added leverage and additional support. Probably the most popular Sovereign handle.

SOV-16S As well as the handle only option, the SOV-16S comes with the addition of two collets (SOV-C10 and SOV-C13). For more information see page 19

SOV-16
16" Handle



SOV-12 (12" HANDLE)

The newest of the Sovereign handles. At 12" this handle size delivers control at close range making it ideal for smaller projects.

SOV-12S As well as the handle only option, the SOV-12S comes with the addition of two collets (SOV-C10 and SOV-CT). For more information see page 19

SOV-12
12" Handle



Four collets ensure the different shank sizes and shapes of unhandled tools fit easily and securely into the Sovereign handle. Tools marked with an **S** on pages 4 – 7 are available for the Sovereign System. See also page 12 for TurnMaster, page 24 for Multi-Tip Hollowing Tools, page 25 for RS2000 Deep Hollowing Tools and page 30 for spiralling and texturing fits for the system.

SOV-CT SOVEREIGN TANG COLLET ADAPTOR

The SOV-CT ensures a firm fit for our many flat tang tools. Tools that fit this collet include square end scrapers, hardwood scrapers, round nose scrapers, diamond / side scrapers, curved scrapers and box scrapers, oval and standard skews, the standard and fluted parting tools and the spindle and continental roughing gouges.



SOV-CT
Tang Collet

SOV-C06 SOVEREIGN COLLET ADAPTOR 1/4"

The SOV-C06 has the narrowest aperture and is suitable for the 1/4" Spindle gouge. There are also a few tools that require no collet and fit directly into 5/8" shank end of the Sovereign handle. Among these are the 1/2" and 3/4" bowl gouges, the 1/2" fingernail bowl gouge and the extra long multi tip hollowing tool.



SOV-C06
1/4" Collet

SOV-C10 SOVEREIGN COLLET ADAPTOR 3/8"

The SOV-C10 presents a 3/8" aperture making a fast hold for 1/4" bowl gouges and fingernail bowl gouges. It also matches 1/4" spindle gouges, fingernail spindle gouges and long and strong spindle gouges.



SOV-C10
3/8" Collet

SOV-C13 SOVEREIGN COLLET ADAPTOR 1/2"

The SOV-C13 has the widest aperture for tools made from round section at 1/2" and is perfectly aligned to take 3/8" bowl gouges and fingernail bowl gouges, the 1/2" spindle gouge, fingernail spindle gouge and the long and strong spindle gouge as well as the TurnMaster which can be seen on page 12. The Spiralling System and Texturing Tool on page 30 also use this collet.



SOV-C13
1/2" Collet

SOV-TC SOVEREIGN THREADED COUPLER

The Sovereign Threaded Coupler. This handy accessory allows the turner to easily customise handle length. Use to join handles together.



SOV-TC

SOV-SH SOVEREIGN SIDE HANDLE

The Sovereign Side Handle delivers that extra stability by providing a horizontal screw-in appendage. The machined knurled pattern provides additional grip.



SOV-SH

SOV-CW SOVEREIGN COUNTER WEIGHT

The Sovereign Counter Weight is a useful accessory to vary weight balance in the handle. Unscrew the end cap and insert into the hollow shaft of the handle.



SOV-CW

SOV-EXT SOVEREIGN EXTENSION

The Sovereign Extension is a useful addition to the range of accessories. Custom-made during the development of the new Sovereign sets (see page 10). This 4" extension adds length to any Sovereign handle.

NOTE: a threaded coupler is required.



SOV-EXT

Ref	Description	Size
SOV-CT	Collet Adaptor Flat Tang	
SOV-C06	Collet Adaptor	1/4" (6mm)
SOV-C10	Collet Adaptor	3/8" (10mm)
SOV-C13	Collet Adaptor	1/2" (13mm)
SOV-TC	Threaded Coupler	
SOV-SH	Side Handle	
SOV-CW	Counterweight	
SOV-EXT	Handle Extension 4" - 102mm	

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 $\frac{3}{8}$ " and $\frac{1}{2}$ " collet adaptors to allow for a variety of other tools to be fitted. Both sizes are available either with or without handles.



SOV-ULTCUT



SOV-ULTCUTG



SOV-ULTFCHM



SOV-ULTLM



SOV-ULTMHEAD



Cutter Sharpening Jig



SOV-ULTCSJ

Ref	Description
SOV16S-ULTS	Sovereign Ultima Hollowing System small contents: handle, cutter and blade, torx key, 2 allen keys, 2 collets ($\frac{3}{8}$ " and $\frac{1}{2}$ ")
SOV22S-ULTM	Sovereign Ultima Hollowing System medium contents: handle, cutter and blade, torx key, 2 allen keys, 2 collets ($\frac{3}{8}$ " and $\frac{1}{2}$ ")
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-ULTCUTG	Sovereign Ultima Excelsior 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-ULTMHEAD	Medium head without cutter
SOV-ULTSHEAD	Small head without cutter

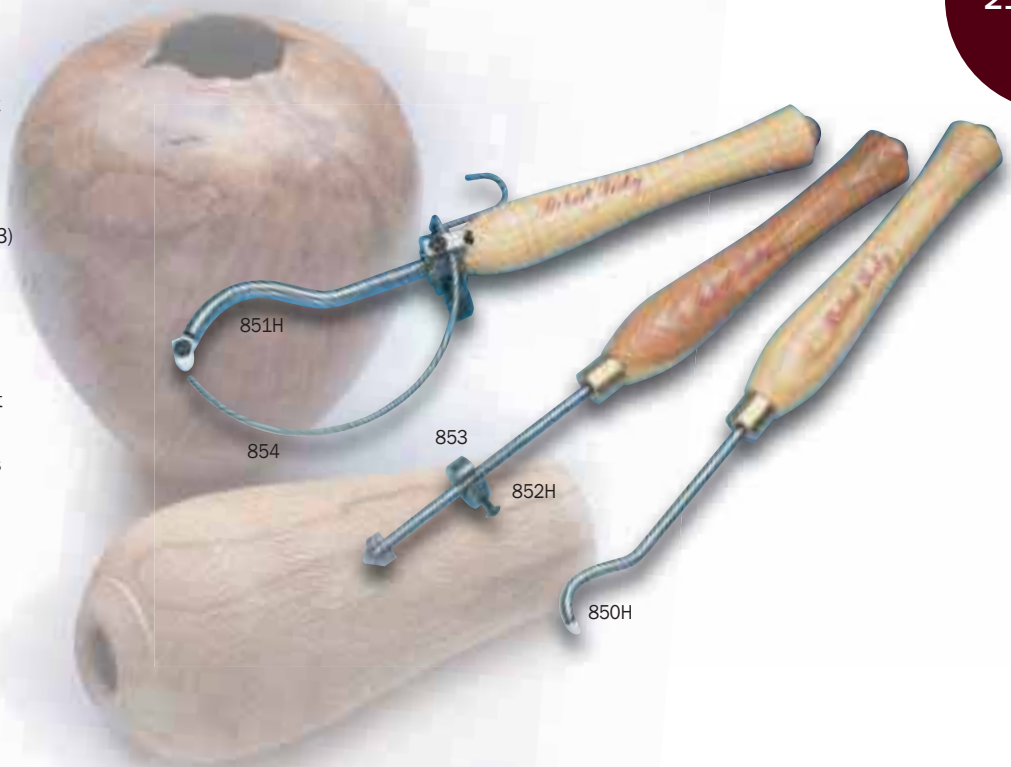


Hollowing Tools

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.



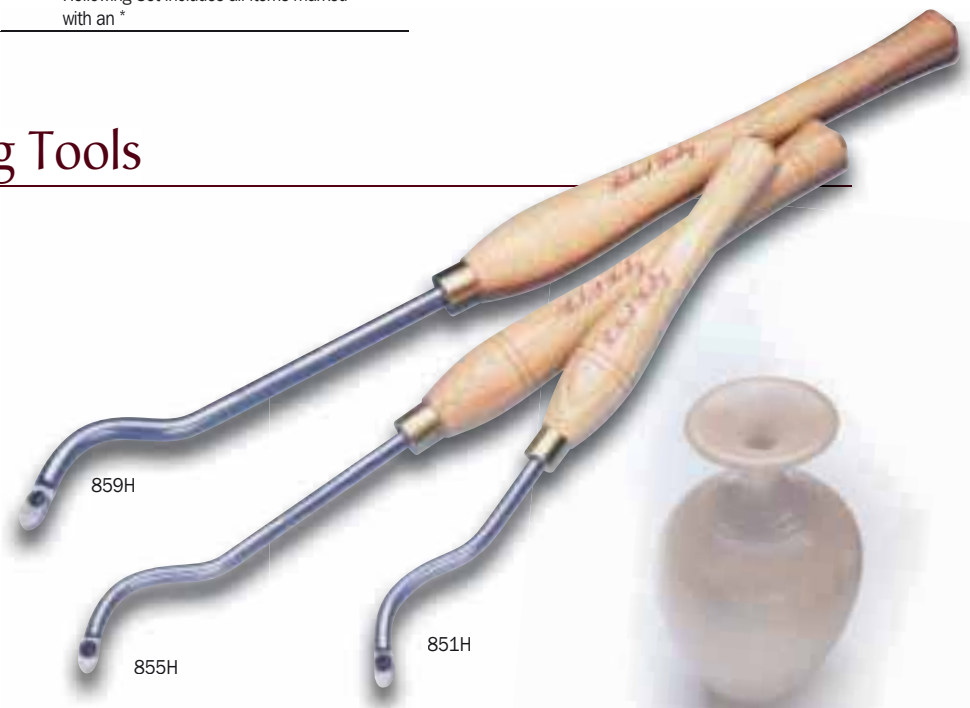
Ref	Length	Min. Aperture	Max. Project	Cutter Fitted
850H*	14"	3/8"	3"	Solid HSS
851H*	14"	1/2"	5"	851C - General Purpose
852H*	14"	-	-	-
853*	-	-	-	Depth stop for 852H
854*	-	-	-	Wall thickening gauge for 851H
34HS	-	-	-	Hollowing Set includes all items marked with an *

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 thickening gauges.



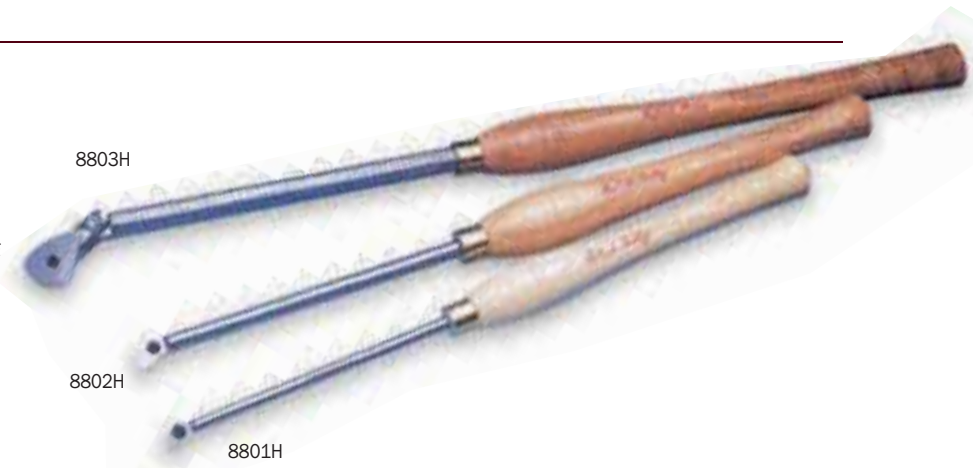
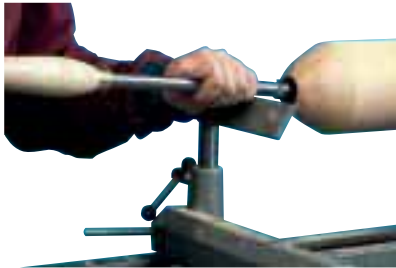
Ref	Length	Min. Aperture	Max. Project	Cutter Fitted
851H	14"	3/8"	4 1/2"	851C - General purpose
855H	20"	1/2"	5 1/2"	851C - General purpose
859H	24"	5/8"	7"	RS232C - Bullet, RS233C - Ball end

Swivel-tip Probes

As the name of these woodturning tools suggests, Robert Sorby's swivel tip probes make an ideal tool choice for accessing and turning out those small apertures and restricted openings commonly associated with the turning of vases and deep vessels.

Three variations of probe offer the woodturner differing reach and access opportunities. The largest model (8803H) offers the additional advantage of having an articulated head to improve access when hollowing-out even the most demanding woodturning projects.

Each of the three sizes offers a different combination of cutting tip suitable for a range of turning tasks; making these tools ideal for the rapid removal of stock, general profiling, shaping and even fine finishing work on side and end grain.



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

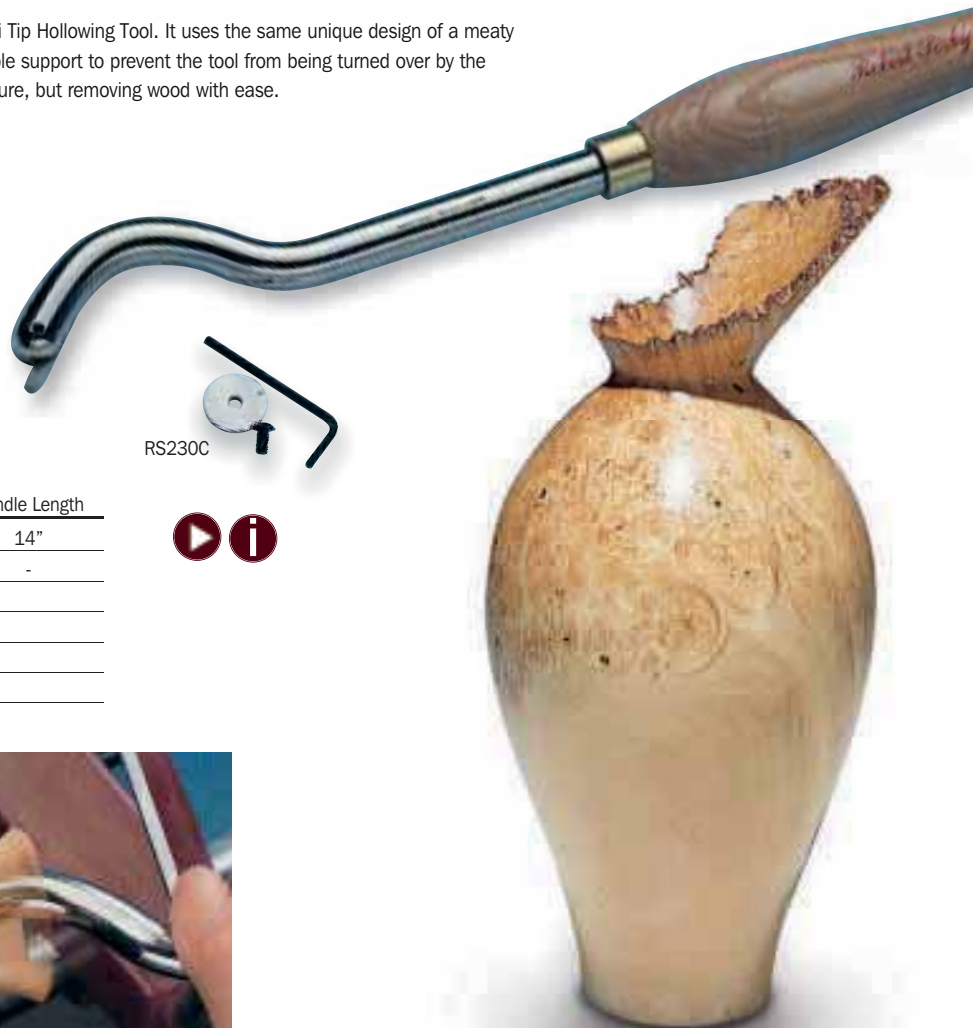
Hollowmaster

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"
SOV-RS230	-	-
RS211C	Round-end Swivel Tip	
RS230C	Full Round Scraper Cutter	
RS211GC	Excelsior Round End Cutter	
RS230GC	Excelsior 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	
SOV-RS130	Ⓢ ⓘ	-



RS130KT

Tip Holder

The Tip Holder (ref 472) is an extremely useful 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 pages 12 and 13. This useful addition can be used to hold an array of cutters – See pages 24 and 26.



472



Multi Tip Hollowing Tool

Recommended First Hollowing Tool

The Multi-tip hollowing tool is a Robert Sorby legend and a must-have for every turner's collection. Its massive half round shank and interchangeable cutters make this a solid and sturdy tool capable of multiple applications.

The tool is available in three sizes. The RS200KT and RS100KT are available with and without a handle (for unhandled versions ask for the SOV-RS200 and SOV-RS100 respectively). The larger SOV-RS300 is offered as an unhandled version only. Each tool comes with three cutting tips.

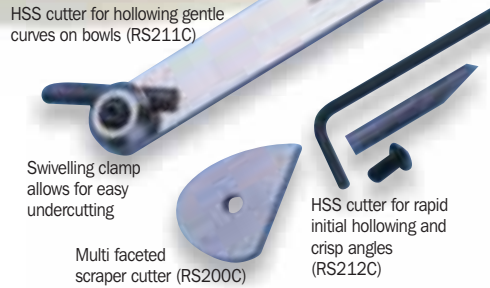
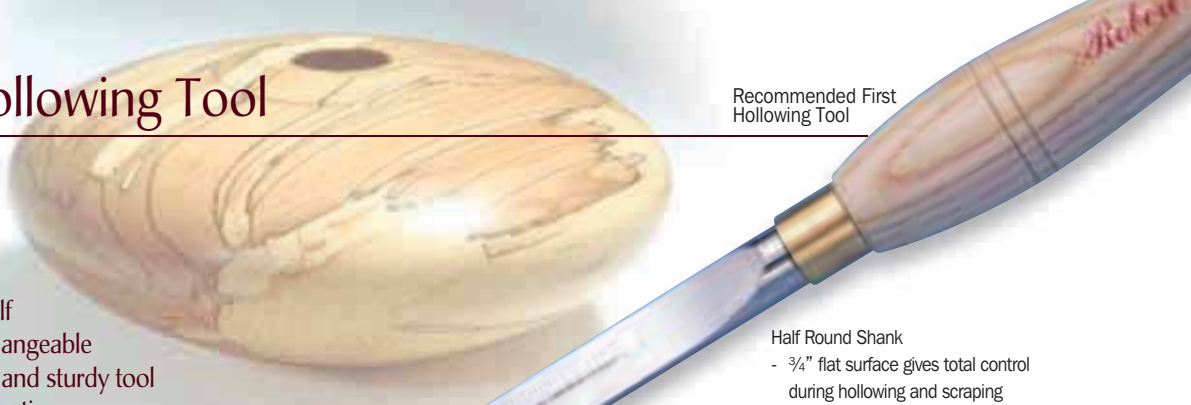
FOR HOLLOWING

Unlike other systems, when used for hollowing, the RS200KT is used with the flat section on the tool rest. This eliminates all the rocking and rolling often associated with hollowing and puts the turner firmly in control.

For the rapid opening up of an aperture or for creating a crisp corner in the base of boxes use the RS212C hollowing tip. If a gentler sweeping curve is required for example in the bottom of vases the RS211C's curved cutting edge is more suitable.

To under-cut rims of bowls offset the cutter, as shown in the picture below.

Both tips (RS212C and RS211C) are available in Excelsior titanium nitride plasma bonded coatings.



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

Optional Extra Cutters



Coving
 RS235C
 RS238C

Recessing and Dovetailing
 RS234C

Beading
 RS236C
 RS239C

Cutters not actual size

FOR FINISHING

Fitting the HSS tear-drop shaped cutter (RS200C) turns the tool into a highly efficient 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, as can be seen in the pictures below.

Use the flat surface of the shank on the tool rest to scrape in conventional mode. For shear scraping, turn the tool round laying the half-round section of the shank at 45° on the tool rest. The RS200C is also available in high performance Excelsior series.

FOR BEADING AND COVING

An additional five cutters allow for a variety of projects from beading and coving to the creation of bangles, rings and wheels. All tips and cutters are sharpened with the aid of a diamond stone, see page 47.

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.



Use the curved edge for internal work



Use the straight edge for external work



Beading



Coving

MULTI-TIP HOLLOWING TOOLS

Ref	Overall Length	Minimum Aperture	Maximum Project	Cutter
RS200KT	19"	1"	6"	
SOV-RS200	19"	1"	6"	
SOV-RS300	19"	1"	12"	
RS200C				Medium Tear-drop Scraper
RS200GC				Medium Tear-drop Scraper <i>Excelsior</i> (TiN)
RS211C				Round End Swivel Tip
RS211GC				Round End Swivel Tip <i>Excelsior</i> (TiN)
RS212C				Side / End Swivel Tip
RS212GC				Side / End Swivel Tip <i>Excelsior</i> (TiN)
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)

Please note: Cutters can be sharpened using the 472 tip holder. See page 23.

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"
SOV-RS100	6" (Blade)	
RS111C		
RS112C		
RS222		
RS222G		

Please note: These cutters need to be sharpened on the tool.

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 (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 $\frac{3}{4}$ " flat section, there is no fear of tool rotating inside.

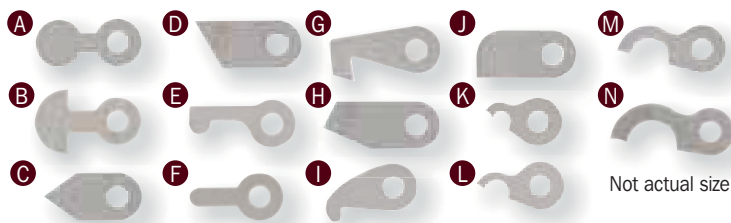
The cutter may also be slightly off-set to give a different angle of approach.

There are other cutters which may be fitted to this tool, see table on right.

Sharpening is done with a diamond file or honing stone and can be achieved on the tool or by using the 472 on page 23.

Ref	Description	Blade Length
803H	Box Hollower	5 $\frac{1}{2}$ "

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



Ref	Description
A 804C01	Ball End Cutter
B 804C02	Spade End Cutter
C 804C03	Pointed End Cutter
D 804C04	Skew Cutter
E 804C05	Rim Cutter
F 804C06	Mini-round Nose Cutter
G 804C07	Side and Face End Cutter
H 804C08	Box Cutter
I 804C09	Mushroom Cutter
J 804C10	Half Radius Cutter
K 805C05	$\frac{3}{16}$ " Captive Ring Cutter
L 805C06	$\frac{1}{4}$ " Captive Ring Cutter
M 805C10	$\frac{3}{8}$ " Captive Ring Cutter
N 805C13	$\frac{1}{2}$ " Captive Ring Cutter

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 $\frac{1}{4}$ "



Boxes courtesy of Sam Abernethy



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 $\frac{1}{4}$ " (6mm)	12 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "
814H	Easybeader $\frac{3}{8}$ " (10mm)	13 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "
814H	Easybeader $\frac{1}{2}$ " (13mm)	13 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "

Bead Forming Tool

Ref	Size	Overall Length	Handle Length
835H*	Bead Forming Tool $\frac{1}{8}$ " (3mm)	13 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "
835H*	Bead Forming Tool $\frac{3}{16}$ " (5mm)	13 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "
835H*	Bead Forming Tool $\frac{1}{4}$ " (6mm)	13 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "
835H*	Bead Forming Tool $\frac{5}{16}$ " (8mm)	13 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "
835H*	Bead Forming Tool $\frac{3}{8}$ " (10mm)	13 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "
835H	Bead Forming Tool $\frac{1}{2}$ " (13mm)	13 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "

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.



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 $\frac{3}{16}$ " , $\frac{1}{4}$ " , $\frac{3}{8}$ " and $\frac{1}{2}$ " 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 $\frac{3}{4}$ " 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 $\frac{3}{16}$ " , $\frac{1}{4}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " cutters	
805H	Captive Ring Tool	$\frac{3}{16}$ "
805H	Captive Ring Tool	$\frac{1}{4}$ "
805H	Captive Ring Tool	$\frac{3}{8}$ "
805H	Captive Ring Tool	$\frac{1}{2}$ "
805C05	Captive Ring Cutter	$\frac{3}{16}$ "
805C06	Captive Ring Cutter	$\frac{1}{4}$ "
805C10	Captive Ring Cutter	$\frac{3}{8}$ "
805C13	Captive Ring Cutter	$\frac{1}{2}$ "



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



Captive ring projects courtesy of Sam Abernethy

Spindlemaster

The Spindlemaster's 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. It sails through knots and other imperfections as if they were not there.

To sharpen, 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 see pages 14 and 15. Ideal for pen turning or decorating spindles, Christmas ornaments or miniatures.

Comes with instructions.



Ref	Size	Overall Length	Handle Length
812H	$\frac{1}{2}$ " (13mm)	16 $\frac{1}{4}$ "	10"
812H	$\frac{3}{4}$ " (19mm)	16 $\frac{1}{4}$ "	10"
879H	$\frac{1}{2}$ " (13mm)	10"	6 $\frac{1}{4}$ "



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 U	18 1/2"	12"	Internal Scraping
826C	-	-	Spare Cutter for 826H
826GC	-	-	Spare Cutter for 826H <i>Excelsior</i> (TiN)
827H U	18 1/2"	12"	External Scraping
827C	-	-	Spare Cutter for 827H
827GC	-	-	Spare Cutter for 827H <i>Excelsior</i> (TiN)



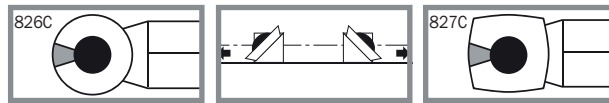
Hollowing (Ref:826H)



External shaping (Ref: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.

Cutters also available in our Excelsior high performance range (Titanium Nitride coating).



Thread Cutting System

Thread Cutting Sets consist of a pair of thread cutters, thread and sizing gauge and the Focus on Specialist Woodturning Tools Part 3 DVD.

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 complement 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. Also available is our informative DVD Focus on Specialist Woodturning Tools Part 3 covering tool use and a series of graded projects. This DVD accompanies the set and includes an introduction to the Eccentric chuck.



973



895H



893H

Ref	Description
890H/10 U	Pair of Thread Cutters - 10tpi
890H/16 U	Pair of Thread Cutters - 16tpi
890H/20 U	Pair of Thread Cutters - 20tpi
973	Thread and Sizing Gauge
895H	Relief Cutting Tool
893H	Tool Support
RSDVDTCEC	Cutting Threads and Eccentric Chuck DVD
89HS10	Thread Cutting Set 10tpi
89HS16	Thread Cutting Set 16tpi
89HS20	Thread Cutting Set 20tpi

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

Crush Grind Tool

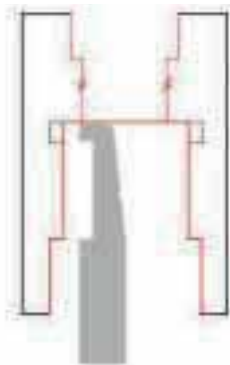
For anyone turning salt and pepper mills using a CrushGrind mechanism, this is an essential tool in obtaining the correct depth and size of recesses needed to enable the mechanism to work correctly. The step or shoulder of the tool gives an accurate position of the recess required for the base section of the mill. The small V notch on the right hand side allows the other groove to be produced in the top section when it is lined up with the outer face. The CrushGrind tool will give accurate and effortless results time and again.

Chris West, woodturner and author, recommends the Robert Sorby Crush Grind Tool to form the recess and to allow for the correct fitting of the CrushGrind® mechanism.

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

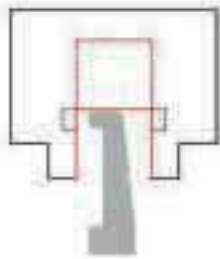


TO TURN THE BASE SECTION: Push the tool in as indicated in red in the drawing. To cut the recess shown in blue pull the tool along the tool rest towards you until the blade of the recess tool meets the wider drilled opening at the base.



Base Section

TO TURN THE TOP SECTION: To fit the CrushGrind® drive plug form the recess for the mechanism's lugs.

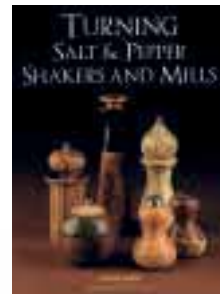


Top Section



For a complete step-by-step guide to drilling, turning and finishing a pepper mill visit: www.westwoodturnery.co.uk

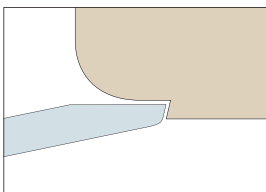
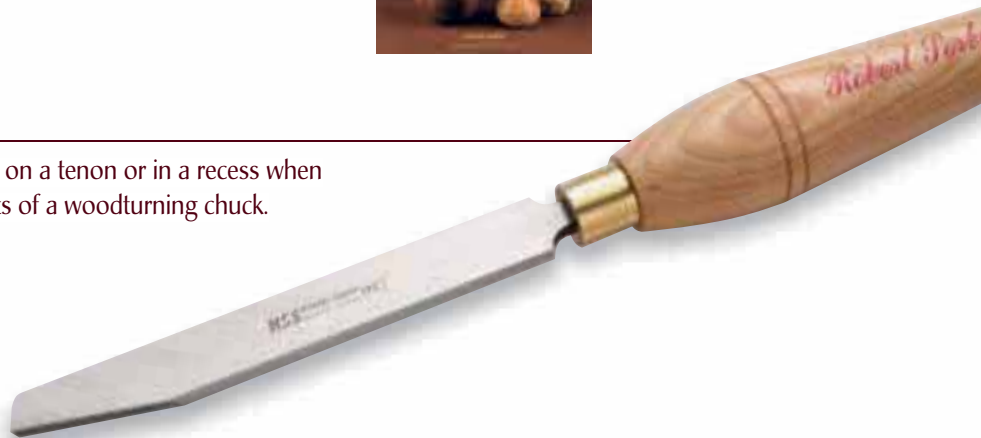
Or for a complete guide to turning salt and pepper shakers and mills see Chris's book.



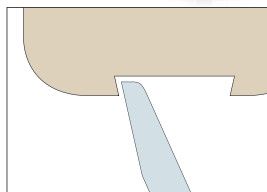
Jaw and Collets Tool

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

Ref	Size	Overall Length	Handle Length
817H	⑤ ① 3/4" (19mm)	16"	10"



External
Here the external shape is cut from the side.



Internal
To cut the internal recess the tool is presented to the working piece from the front.

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.

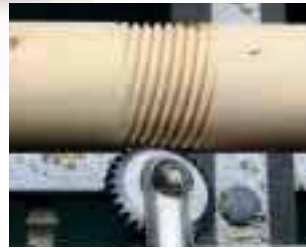
Fitted with an interchangeable cutter, the Texturing Tool is just as effective on soft as on hard woods - although the result can be markedly different.

The Robert Sorby Texturing Tool not only brings turned pieces to life, it gives hours of pleasure. Also available unhandled for the Sovereign System – see page 19.



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. The 330H and 330S come with four cutters whilst the 320H and 320S are the same tool but with a single cutter (see table). 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 (RSDVDDT).

If your requirement is for finer spirals we also have a micro spiralling tool (ref 370A) details of which you will find on pages 15 and 17. Also available unhandled for the Sovereign System – see pages 18 and 19.

Ref	Description
310H	Texturing Tool (includes *)
310S	Unhandled Texturing Tool (includes *) uses SOV-C13 collet
320	Spiralling Tool (includes 350/4 cutter)
320S	Unhandled Spiralling Tool (includes 350/4 cutter) uses SOV-C13 collet
330	Spiralling System complete with 4 cutters (includes •)
330S	Unhandled Spiralling System complete with 4 cutters (includes •) uses SOV-C13 collet
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)
360	Tool Rest •
RSDVDDT	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



Indexing and Precision Boring

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 dependent on a chuck
- Supplied with full instructions
- Available in sizes to fit most popular lathes

Ref	Description
763*	Indexing System

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 – 1/4", 3/8" and 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 1/2", 5/8", 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 (RSDVDDT).



See page 37 for more information on stems.

Pomander courtesy of Gary Rance

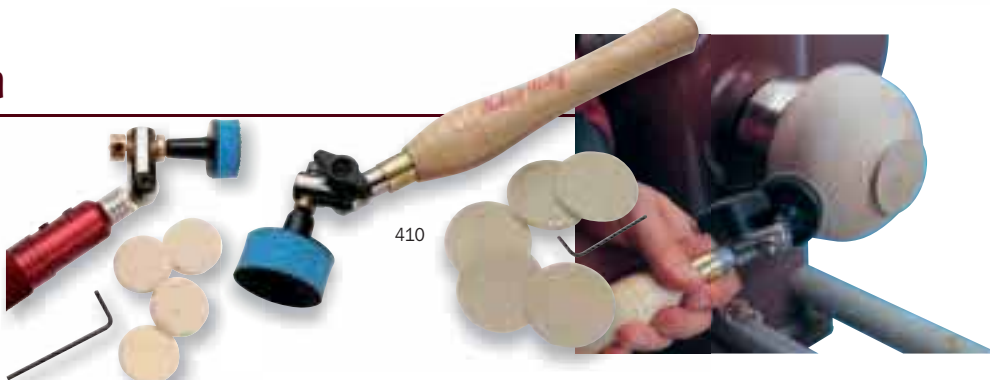


Finishing Collection

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 17.

Ref	Overall length	Handle length
410	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. Mops are fixed to the Sandmaster using the pigtail mandrel.



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



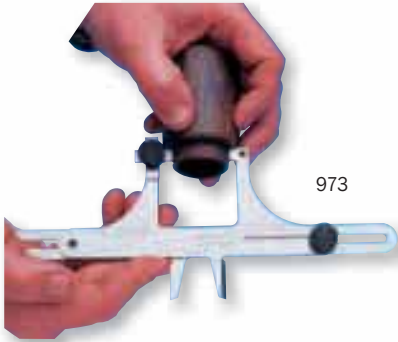
Woodturners' Dimensioning Tools

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

THREADING AND SIZING GAUGE

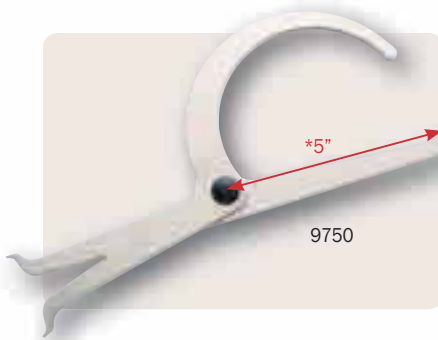
Ideal for box-makers, this gauge takes all the guess-work out of fitting the major and minor diameters of pieces. With the gauge set at the unmarked anvil this creates a 1:1 correlation between the measuring faces and facilitates accurate push fits.

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 thread between internal and external diameters every time.



973

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



*5"

9750

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

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.

DOUBLE-ENDED CALLIPERS

These are an indispensable addition to the turner's 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.

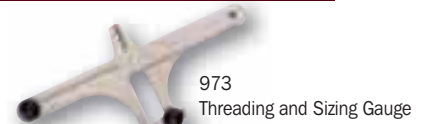
INSIDE / OUTSIDE CALLIPERS

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.

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 3/8" beading and parting tool or bedan.

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



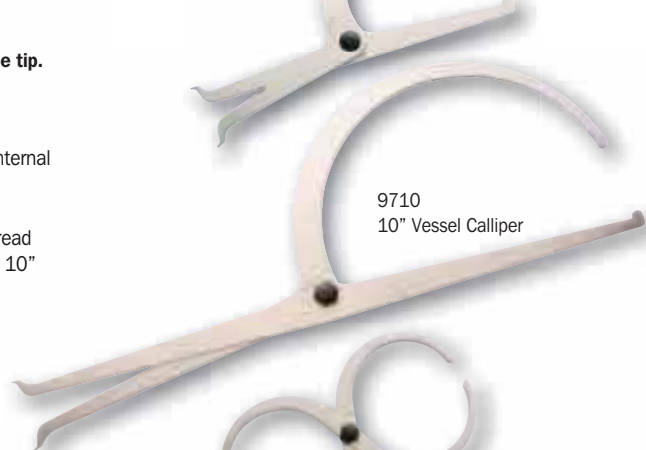
973
Threading and Sizing Gauge



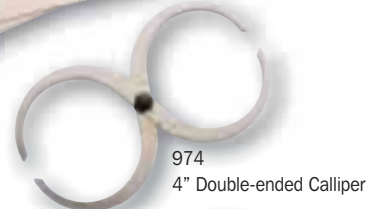
9725
2 1/2" Vessel Calliper



9750
5" Vessel Calliper



9710
10" Vessel Calliper



974
4" Double-ended Calliper



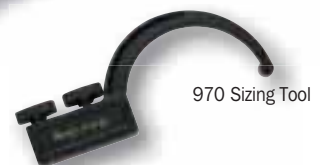
977
7" Double-ended Calliper



976
6" Inside/outside Calliper



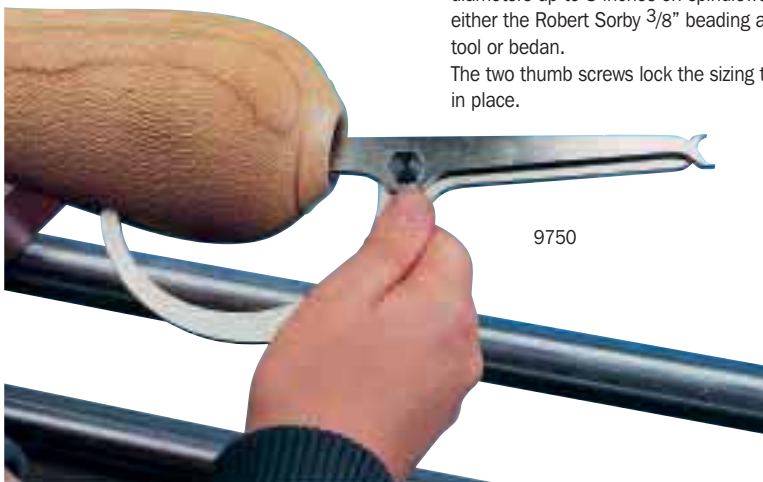
9785
8 1/2" Inside/outside Calliper



970 Sizing Tool



Sizing tool shown with the beading and parting tool (see page 6).



9750

Chucks and Lathe Accessories

Patriot Chuck

THERE'S ONLY ONE LATHE CHUCK THAT TICKS ALL THE BOXES -

- ✓ complements the majority of lathes
- ✓ 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 and 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

Like all Robert Sorby tools the Patriot is proudly manufactured in Britain. Fitted with smooth action 2" (50mm) jaws which have internal and external dovetail and gripper teeth to ensure work is held more securely. It also supplied with a screw chuck and an insert* which enable it to fit the vast majority of woodworking lathes.

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
RSPCOM
RSPCOMN34
RSPCOMMH



Robert Sorby has included two safety mechanisms to help prevent chucks loosening on M33 x 3.5mm spindle thread lathes when operating in reverse.

As can be seen in the picture, a channel has been machined into the mount section of the chuck. This will allow a locking collar (supplied by some lathe manufacturers) to be secured, holding the chuck in place. A grub screw which locks the chuck onto the spindle offers another solution.



Patriot Chuck

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. Max diameter 9".



Ref	Description
RSJBR	Bowl Reversing Jaws

PIN JAWS 1" (25mm)

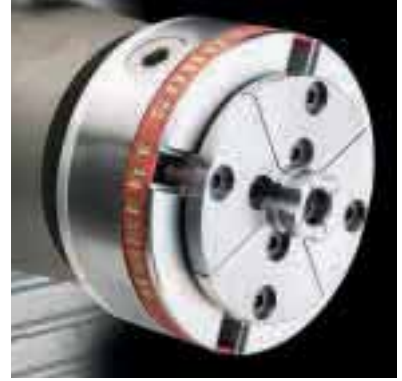
Drill a 1" (25mm) hole into the wood approximately 1" (25mm) deep. Close the jaws completely and place jaws into hole. Now open the jaws out to fill the hole and grip the wood securely. Ideal for projects such as peppermills.



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

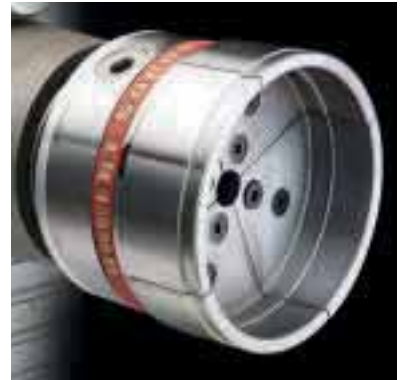
For bigger bowls and projects up to 13" diameter that need a little more substantial hold.



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

DEEP GRIP JAWS

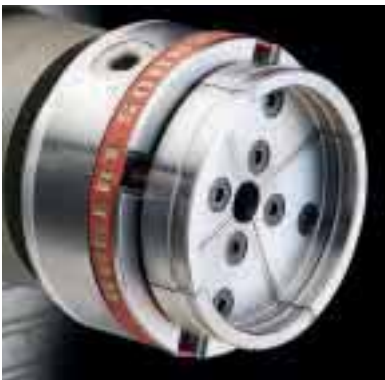
Designed with deep sides to give extra grip on large logs and awkward pieces of wood. They also have a large internal and external dovetail to securely hold large bowls in excess of 16" in diameter.



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

3 1/2" (89mm) JAWS

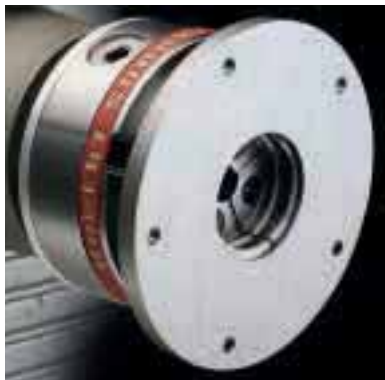
These jaws allow for even bigger bowls up to 16" diameter to be held securely.



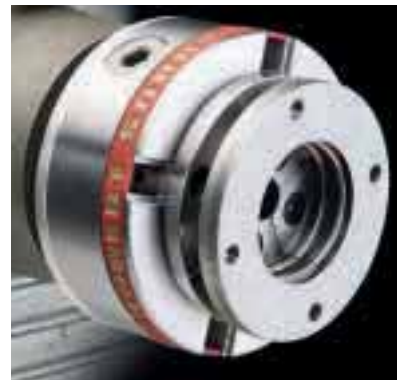
Ref	Description
RSJ4	3 1/2" (89mm) Jaws

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
FPR120	4 3/4" (120mm)



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

LONG NOSE JAWS

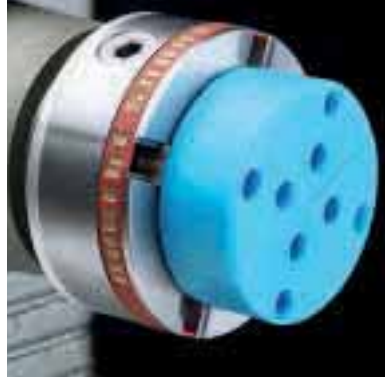
Rough turned bowls can be remounted internally with the reach of almost 4" of these jaws. Extra access to the back of a turned piece is acquired due to the tapered shape and the dovetail being 2" away from the chuck body.



Ref	Description
RSJLN	Long Nose Jaws

CUSTOM JAWS

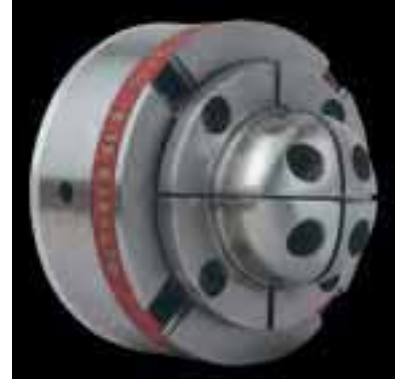
Made from high quality nylon, these jaws can be shaped using normal woodturning tools to suit any project time and time again.



Ref	Description
RSJC	Custom Jaws

ZERO JAWS

Designed for fine detailed and miniature pieces, these jaws close completely together hence the name. The dome shape allows for working very close to the project. Projects can also be supported internally without marking the wood.



Ref	Description
RSJZ	Zero 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

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
RSJPEN	Pen Jaws

WOBBLE CHUCK

The wobble chuck gives the turner the opportunity to experiment with a multitude of off-set turning techniques. This fun addition to the Patriot chuck is designed to fit neatly in the standard 2" (50mm) jaws and is great for creating quirky trinket boxes, off-set goblets and ornamental spoons.



Ref	Description
RSWC	Wobble Chuck

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

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

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"

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.



SCREWCHECK:

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



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



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 DVD 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 (RSDVDDT) and the Thread Cutting and Eccentric ChuckDVD (RSDVDTCEC).

IMPORTANT

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

RS60	No Insert
RS60 -	for thread size see page 33
RS60N34	33 x 3.5mm direct thread
RS60MH	1 1/2" x 6" direct thread

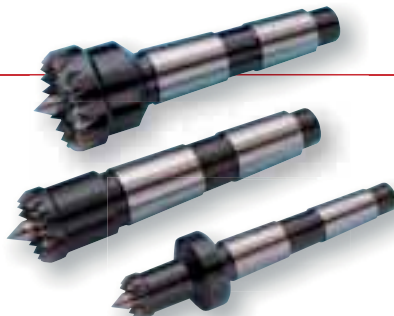
Stebcentre

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.

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"		RCSTB250
7/8"	RCSTB100	RCSTB200
1 1/4"	RCSTB132	RCSTB232

Interchangeable Revolving Centres

Kits

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.

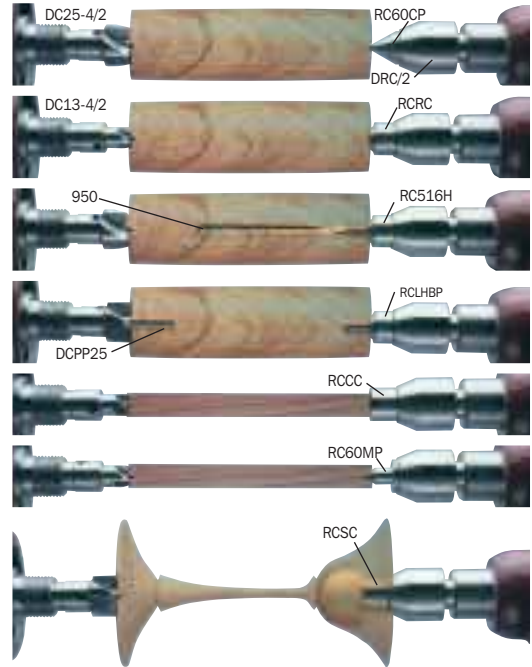


Individual

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

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

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	Steady 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", 5/8", 3/4", 7/8", 1", 25mm, 28mm and 30mm diameters to fit most popular lathes.

The same stems are compatible with the Precision Boring System.

Ref	Description	Ref	Description
766/4	4" Crossbar	765/S13	1/2" Stem x 3 1/2"
766/6	6" Crossbar	765/S16	5/8" Stem x 3 1/2"
766/9	9" Crossbar	765/S19	3/4" Stem x 4 1/2"
767	9" Internal Bowl Crossbar	765/S22	7/8" Stem x 4 3/4"
767E	9" External Bowl Crossbar	765/S24	1" Stem x 4 3/4"
768	Box Scraper Platform	765/S24L	1" Stem x 6"
		765/S25	25mm Stem x 4 3/4"
		765/S28	28mm Stem x 5 1/2"
		765/S30	30mm Stem x 5 1/2"



Carving Tools

STARTING OUT CARVING

You don't have to be a master carver like Grinling Gibbons or David Esterly to reap the rewards of woodcarving. Projects can be as simple or as complex as the carver's skill allows. However, patience is key to success. Projects can take weeks, months or even years to complete, so take your time.

WHERE WILL I WORK AND WHAT EQUIPMENT WILL I NEED?

Carving does not require a lot of space and can be achieved equally well in a living room, shed or studio. It is also relatively inexpensive compared to other woodworking pastimes and beginners can acquire a set of good tools for a modest outlay.

WHAT TOOLS DO I NEED?

There are hundreds of carving tool sweeps and shapes to choose from. Robert Sorby manufactures 24 of the most universally used standard tools, 12 micro or palm-held tools and six larger sculpturing tools. When Robert Sorby reintroduced carving tools in 1993, we reappraised tool style and revised conventional thinking:

- Selecting special Sheffield alloy steel unique to Robert Sorby
- Creating perfect balance to counter new blade design
- Employing stringent heat treatment to ensure the finest edge retention
- Providing a polished, razor sharp factory finish

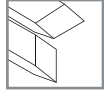

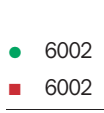















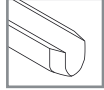









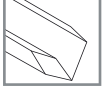


SAFETY

- Always carve away from you with hand behind the cutting edge
- Ensure wood is secured in clamp or vice
- Wear sensible shoes in case a tool is dropped and never try to catch one if you do

One-piece forging for ultimate reliability.



INDIVIDUAL CARVING TOOLS

Ref		Inch	mm
			
	Square Chisel		
● 6001		3/8	10
			
	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

Fitted with shock absorbing leather washer

Cannel honed and highly polished to a razor sharp cutting edge

Actual size shown

Carving Tools Sets

Both the 606 and 612A sets include tools that have been carefully selected from the hundreds of sweeps on the Sheffield List for their wide application and usefulness.

See the list of individual carving tools on page 38 to see what tools come with each set. Beautifully crafted these tools come pre sharpened and are ready for use straight out of the box. A total of 24 chisels, gouges, veiners and V Tools are available in the Robert Sorby standard carving tool range. For sharpening advice go to page 48.

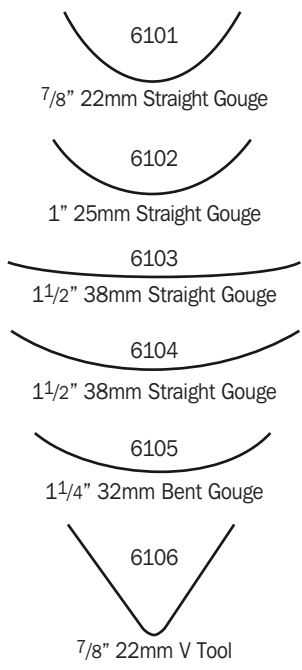
Ref	Description
606	Set of 6 Carving Tools
612A	Set of 12 Carving Tools



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.



Cutting edge drawings are actual size

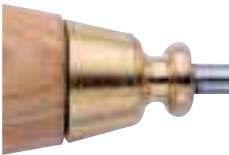
Micro Woodcarving Tools

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.
- 6½" overall length

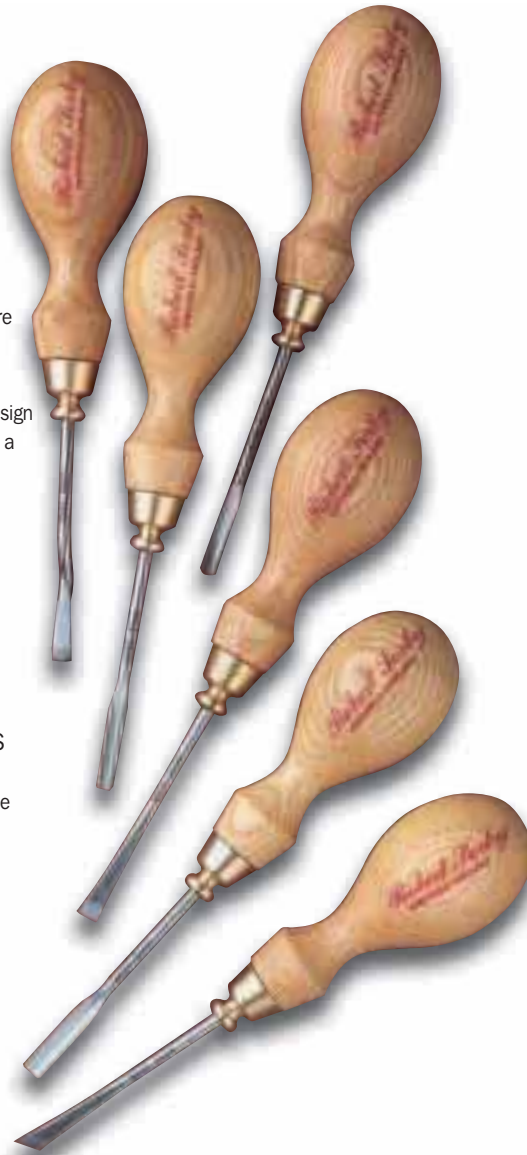
The size and design of the handles puts Robert Sorby's micro tools ahead of all others. The handles are larger and therefore more comfortable - particularly during prolonged use.

Solid brass ferrules enhance the overall design but are also functional when suspended in a tool rail as below.

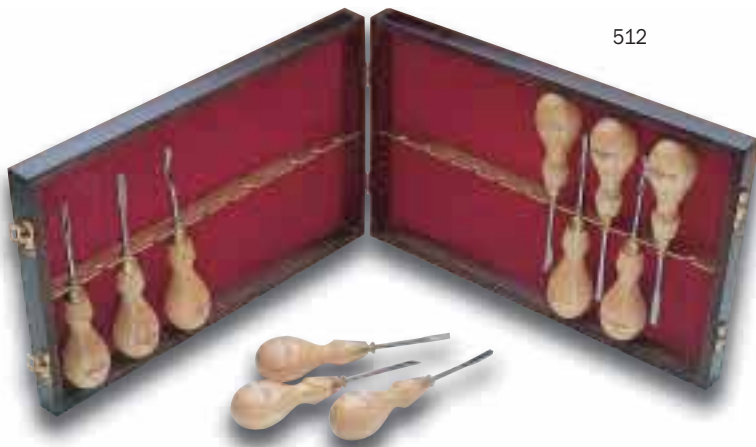


SET OF MICRO WOODCARVING TOOLS

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.










512



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

INDIVIDUAL MICRO CARVING TOOLS

Ref	Blade Size	
	Square Chisel	
5001	5mm	—
	Skew Chisel	
5002	4mm	/
	Dog Leg Chisel	
5003	5mm	—
	Straight Gouges	
5004	2mm	⌋
5005	3mm	⌋
5006	4mm	⌋
5007	5mm	⌋
5008	5mm	⌋
	Bent Gouges	
5009	3mm	⌋
5010	5mm	⌋
	Veiner	
5011	1.5mm	U
	V Parting Tool	
5012	3mm	∇

Cutting edge line drawings are FULL SIZE



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

Bench and Framing Chisels



Robert Sorby offers one of the most comprehensive chisel ranges on the market today. Designed by craftsmen for craftsmen our tools are used by the most demanding cabinet makers, furniture restorers and house builders across the world. Whether you're a hobbyist or a professional the Robert Sorby brand name is one you can trust. Every tool has a small indentation, our 'hallmark' and your guarantee, that each chisel has been diamond hardness tested before it leaves the factory.

FEATURES

- 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

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.

BOXES

All our sets are available in high quality presentation boxes. Our boxwood and rosewood handled chisels are now available in hardwearing beech and plywood comb-jointed boxes.

Cardboard presentation box



Beech and plywood presentation box



Bench Chisels

Bevel edge chisels are the most versatile and universally used of all bench chisels and should form an integral part of any woodworker's 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 offers two styles of bevel edge chisel. Woodworkers can choose between a traditional bolster and ferrule design with leather washer or opt for our elegant gilt edge tapered bolster and ferrule form. Both designs are popular and offer slightly different grip preferences.

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.

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

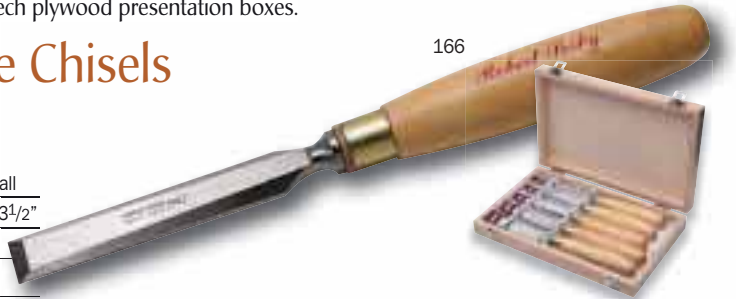
Very hard woods such as oak might require a steeper profile (30 degrees for primary bevel and 35 for a secondary bevel).

Boxwood and rosewood sets are also now available in robust beech plywood presentation boxes.

Traditional Bolster and Ferrule Chisels

166 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
166	•	•	•	•	•	•	•	•	•	5-7"	10 1/2-13 1/2"
Set 5	•	•	•	•	•	•					
5166	Set of 5 in cardboard presentation box										
5166DBS	Set of 5 in wooden presentation box										



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	•	•	•	•	•	•					
5167	Set of 5 in cardboard presentation box										
5167DBS	Set of 5 in wooden presentation box										



Gilt Edge Tapered Bolster and Ferrule Chisels

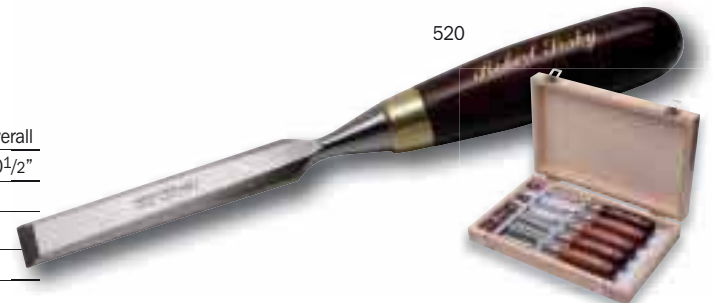
510 BOXWOOD HANDLED

Ref	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length		
	6	10	13	19	25	32	38	50mm	Blade	Overall	
510	•	•	•	•	•				5 3/5"	10 1/2"	
Set 5	•	•	•	•	•						
5510	Set of 5 in cardboard presentation box										
5510DBS	Set of 5 in wooden presentation box										



520 ROSEWOOD HANDLED

Ref	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length		
	6	10	13	19	25	32	38	50mm	Blade	Overall	
520	•	•	•	•	•				5 3/5"	10 1/2"	
Set 5	•	•	•	•	•						
5520	Set of 5 in cardboard presentation box										
5520DBS	Set of 5 in wooden presentation box										



500 C.A.B HANDLED

Ref	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 inch	Length		
	6	10	13	19	25	32	38	50mm	Blade	Overall	
500	•	•	•	•	•				5 3/5"	10 1/2"	
Set 5	•	•	•	•	•						
5500	Set of 5 in wooden presentation box										



Sheaf River

Robert Sorby's Sheaf River range incorporates all the hallmarks of traditional craftsmanship evident in all our chisels. With handles made in resourceful and tough American Ash the range includes our first butt and skew chisels, as well as our ever popular tapered and traditional styles.

The shorter butt chisels 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.

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

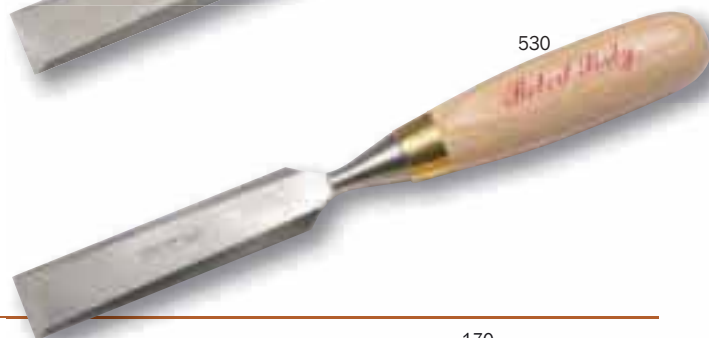
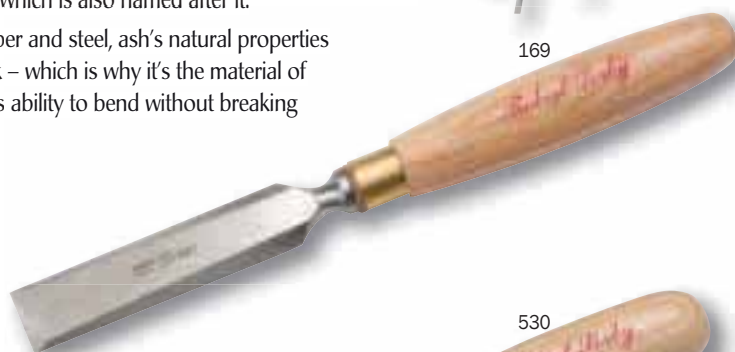


169 TRADITIONAL BOLSTER AND FERRULE

Ref	1/4	3/8	1/2	3/4	1	Length	
	6	10	13	19	25	Blade	Overall
169	•	•	•	•	•	4 1/2"	10 1/2"
5169 Set 5	•	•	•	•	•		

530 GILT EDGE TAPERED BOLSTER AND FERRULE

Ref	1/4	3/8	1/2	3/4	1	Length	
	6	10	13	19	25	Blade	Overall
530	•	•	•	•	•	4 1/2"	10 1/2"
5530 Set 5	•	•	•	•	•		



Butt Chisels

170 TRADITIONAL BOLSTER AND FERRULE

Ref	1/4	3/8	1/2	3/4	1	Length	
	6	10	13	19	25	Blade	Overall
170	•	•	•	•	•	3 1/2"	8"
4170 Set 4	•		•	•	•		
5170 Set 5	•	•	•	•	•		

570 GILT EDGE TAPERED BOLSTER AND FERRULE

Ref	1/4	3/8	1/2	3/4	1	Length	
	6	10	13	19	25	Blade	Overall
570	•	•	•	•	•	3 1/2"	8"
4570 Set 4	•		•	•	•		
5570 Set 5	•	•	•	•	•		



Cabinet Scrapers

1600 CABINET SCRAPERS

A popular addition to any discerning cabinet maker's tool kit, these hand held scrapers smooth down rough edges quickly and easily. Made from the best quality carbon steel the simple design of these tools belies their incredible effectiveness – designed to finish flat surfaces to the very highest standard.

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



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 FIRMER 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	•				•	•	•	•	•		9-9 1/2"	15-16"
											229-241mm	381-406mm

Traditionally used by cabinet- and pattern-makers for shaving thin slivers of wood. These paring chisels feature a 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.

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.

We highly recommend edge guards to protect yourself and your tools. Available in 1", 1 1/2" and 2" sizes, these tough leather guards are a snug fit for both the 285 and 286 framing chisels.



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"



Images courtesy of Shelter Institute
www.shelterinstitute.com

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

Sharpening

Sharpening tools is an integral part to all woodworking. Blunt tools are not only dangerous, but they also make hard and laborious work of what should be a pleasurable activity.

Since the early days of steel production efforts to improve sharpness and edge retention have manifested themselves in a range of new materials and treatments. Many of these claimants have flooded the market in recent years. Powdered metallurgy, cryogenic tempering, A2 and M2 are just a few of the materials available to woodworkers the world over. All of these possess their own strengths and weaknesses.

For example, cryogenic treatments can work on large sections of steel but after many controlled cutting tests we have found no advantage whatsoever on smaller sections such as turning tools. Powder Metallurgy is a similar story where again after rigorous testing we were unable to get any significant extended cutting life from the tool, this also showed a loss in tensile strength against traditional M2 with the correct heat treatment.

Despite all these new materials, traditional steels still continue to thrive and be used for the manufacture of woodworking tools. Here at Robert Sorby, we believe these traditional steels, with a touch of the new, can offer clear advantages over these alternatives.

Robert Sorby uses a traditional modern day carbon steel for the production of its bench chisels, upon which a variety of hardening and tempering processes are used. These will be specific to each individual chisel. Every Robert Sorby chisel is hardness tested before it leaves the factory to ensure it is correctly hardened and tempered to give the woodworker the best possible working edge. You can see the hardness mark just behind the cutting edge. Carbon steel has a very fine grain structure that allows the production of a cutting edge which can be sharpened to better than 0.5 micron. To you and me, that is four times sharper than a razor blade.

Turning tools began life being made from carbon steel, offering the woodturner an extremely sharp edge to slice through the wood fibres. However, for turning tools, that sharpness has a weakness; it is unable to retain the sharp edge for very long, making sharpening an often highly repetitive process (on an 8" x 4" deep bowl, a bowl gouge will need to cut for 8 miles to complete the bowl). Robert Sorby were the pioneers of M2 high speed steel (HSS) for the production of its turning tools. This material has never achieved the heights of sharpness given by carbon steel due to its grain structure, but that slight loss in sharpness is heavily outweighed by the edge retention HSS achieves. This enables the woodturner to remain at their lathe with a sharp edge for longer periods. Robert Sorby has stayed in close contact with

material developments, and the Robert Sorby Excelsior range is witness to that as the HSS blade is coated in titanium nitride. This coating enhances the sharp edge of the blade and allows it to stay sharp up to four times longer.

Having sharp tools is only part of the equation, knowing what they are made from and how they are made is of equal importance when sharpening your tools. A cutting tool is all about the best balance between hardness, toughness, and edge retention. Too hard and it becomes brittle with little in the way of toughness, too tough and we have to compromise hardness and edge retention. Robert Sorby have been making cutting tools for over 200 years. How many other manufactures have the confidence to offer a lifetime guarantee?

Every cutting tool we sell:

- Is hardness tested before it leaves the factory.
- Comes with a lifetime guarantee.
- Is manufactured in our own factory in Sheffield, England.
- We don't just brand it Made in Sheffield it *is* made in Sheffield, England.



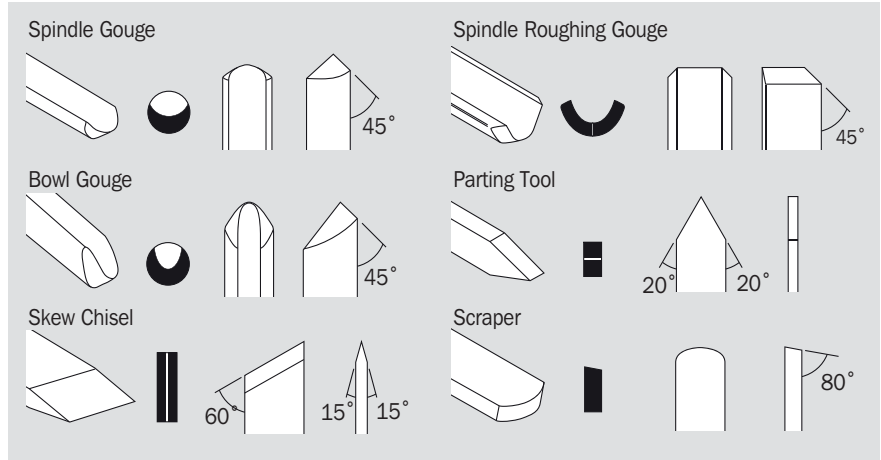
As with all tools turning is much easier when tools are sharp. Learning to sharpen is as critical as learning turning techniques. Even those that use throwaway materials will always only feel half the way there when they compare themselves to those experienced in sharpening.

A variety of platforms and jigs can be seen on pages 49, 52 and 53. These help turners to sharpen more consistently and accurately.

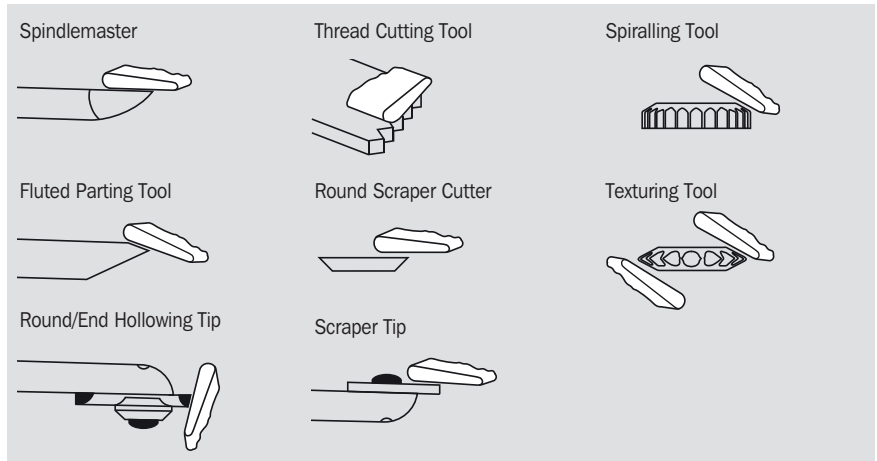
Robert Sorby has been using belts as the preferred method to sharpen tools in its factory for generations. These offer speedy and accurate results and provide even greater consistency. The Robert Sorby ProEdge was developed to achieve the same results for woodworkers wanting to achieve the same factory finish repeatedly.

This multifunctional system (see pages 50 - 53) 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 or on sharpening machines using the 472 tip holder (see page 23) or RSTM-TH (see page 12.)



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)



DIAMOND SHARPENING PLATES (STEEL BACKING)

To add to Robert Sorby's distinguished repertoire of sharpening tools we've introduced two handy sized diamond sharpening plates. These solidly formed sharpeners can accommodate a variety of materials and will easily sharpen high speed steel and tungsten carbide. No need to throw away your dull TurnMaster tungsten carbide cutters.

Available in two sizes and in two grits (600 and 1000), the larger credit card plate is coated both sides while the smaller version is single sided with a plastic backing.

Slim Diamond Plate - 25mm wide x 75mm long x 1.5mm. Available in 600 (DS 600) and 1000 (DS1000) grits.

Double Sided Diamond Plate - 55mm x 85mm x 1.5mm. Available in 600 (DSCC 600) and 1000 (DSCC1000) grits.

Ref	Description
DS600	Slim Diamond Plate 600 grit
DS1000	Slim Diamond Plate 1000 grit
DSCC600	Double Sided Diamond Plate 600 grit
DSCC1000	Double Sided Diamond Plate 1000 grit



Chisel Sharpening

Most 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.

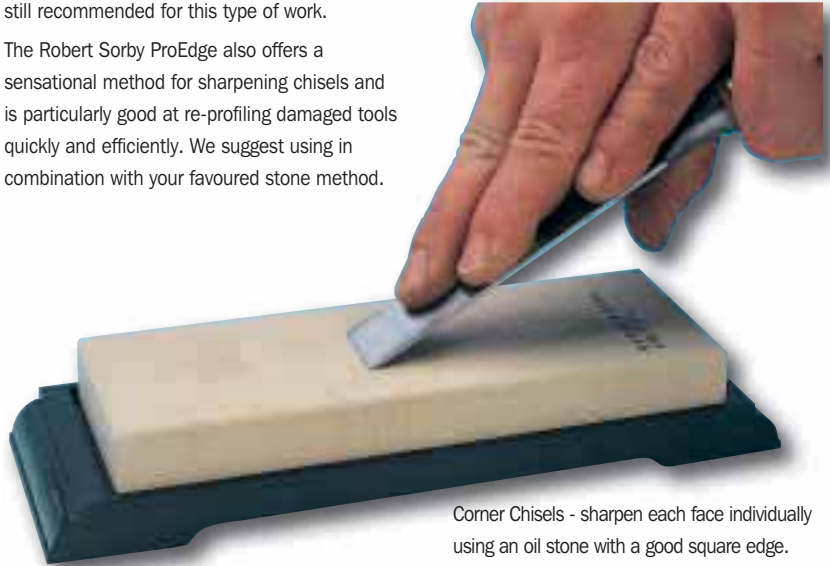
Nowadays there is a wide selection of different stones for the woodworker – ranging from natural Arkansas stones, to the popular Japanese waterstones, and to the more modern diamond impregnated and ceramic stones.

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.



Corner Chisels - sharpen each face individually using an oil stone with a good square edge.

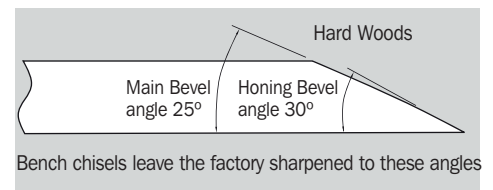
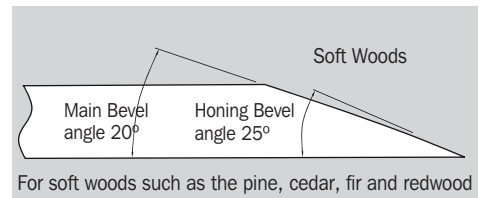
Draw Knife - hand lap using flat clean oil stone.

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°	



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.

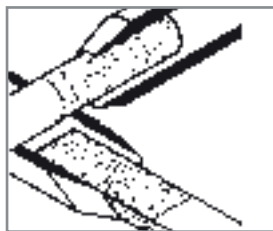
Japanese waterstones are popular and give rapid and fine sharpening finishes but these can be expensive. An array of mechanical processes is available, but we do not recommend using a bench grinder to sharpen carving tools as this will produce an unwanted hollow grind. You also run the risk of blueing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



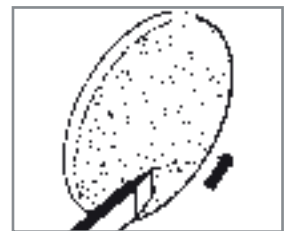
A blunt edge reflects light - sharp ones do not.



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

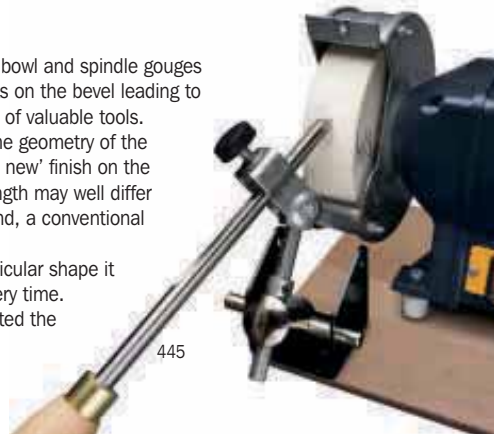
The Universal Sharpening System is a simple jig which is to be used in conjunction with a conventional bench grinder to sharpen an array of tools without the need for complex adjustments. The system itself comes in three formats – a fingernail profiler (ref. 445) for turning gouges, an adjustable platform (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
445/447UPG	Fingernail Profiler Upgrade (Upgrades 445 into 447)



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.

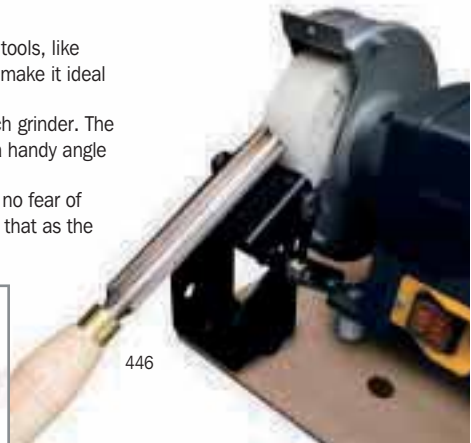
In order to use the extra jigs an Adaptor Table (ref. 447JAT) needs to be fitted to the platform.

This features a groove into which extra jigs can be positively located to give extra control (see footnote on page 52).

Ref	Description
446	Universal System
446/447UPG	Universal System Upgrade (Upgrades 446 into 447)
447JAT	Secondary Table top with slide way (Accepts jigs on page 52)



447JAT Jig Adaptor Table



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

Ref	Description
447	Deluxe Universal System



LONG GRIND JIG

Using the long grind jig on the Fingernail Profiler, Deluxe Universal Sharpening System or the ProEdge 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.

Ref	Description
PELGJ	Long Grind Jig

PELGJ



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



SHARPENING REFINED

The Robert Sorby ProEdge offers effortlessly repeatable sharpening every time. Hugely versatile, this industrial strength machine is built to last and delivers astounding 'factory finish' results without fail. Perhaps the most simple to use sharpener on the market, this system replicates the industry standard of achieving a flat grind using the preferred method of belts over traditional grinding wheels.

Sharpens bench, framing, carving and turning chisels, drill bits, plane irons, knives and garden tools.

FEATURES AND BENEFITS:

Sharpens with belts rather than abrasive wheels

- Cuts steel rather than rubbing it off
- Change belts in seconds
- Flat bevel rather than hollow grind
- Wide range of grits and abrasives
- Sharpens all exotic alloys and carbide*

Angle setter guarantees repeatability

- Sharpen at exactly the same angle every time
- Nine factory indexed settings provide a guide for all types of tool
- Can be locked between indexes for custom settings

Exceptional Robert Sorby construction

- Built from solid steel
- Pivots for operator comfort
- Inexpensive to run
- Small workbench footprint
- Backed by Robert Sorby Warranty

Ref	Description
PED01	ProEdge Deluxe System
One of each item marked * is included in the ProEdge Deluxe System	
PE01	ProEdge System
One of each item marked ◆ is included in the ProEdge System	
RSDVDPE	ProEdge DVD

A wide range of belts and accessories to suit all sharpening needs can be seen on pages 51 - 53.

Technical Details:

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



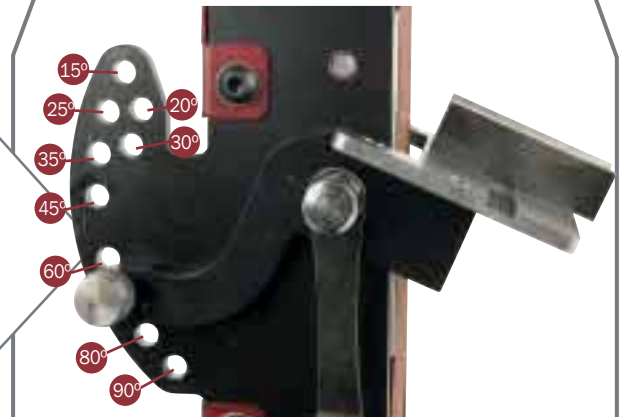
*Carbide tools require use of diamond belt

Recommended sharpening angles

- 15° Skew chisels
- 20° Main bevel angle for bevel edge woodworking chisels (soft wood). Bevel angle for parting tools.
- 25° Honing angle for bevel edge chisels (soft wood). Main bevel angle for bevel edge chisels (hard wood) and bench plane irons. Standard carving chisels and gouges.
- 30° Honing angle for bevel edge chisels (hard wood) and bench plane irons. Main bevel angle for mortice, registered and framing chisels.
- 35° Honing angle for mortice, registered and framing chisels.
- 45° Bevel angle for roughing, spindle and bowl gouges.
- 60° Bevel angle for bowl gouges (deep bowl turning).
- 80° Clearance angle for scraper tools and cutters.
- 90° Shear scrapers and shear scraper cutters.



Pictured with Trizact 600 belt (not supplied with machine)

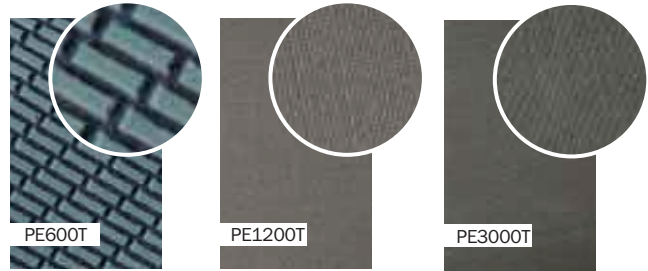


Scan here to find out more
Or visit: www.robert-sorby.co.uk/proedge.htm

Much more practical and a lot less expensive than wheels, abrasive belts are available in a range of materials and grits. The range has been designed to provide the perfect materials with which to maintain and enhance the cutting edge of practically any edge tool. Use finer grits to sharpen regularly and to produce polished, sharp cutting edges and heavier grits for re-profiling and smoothing out damaged material.

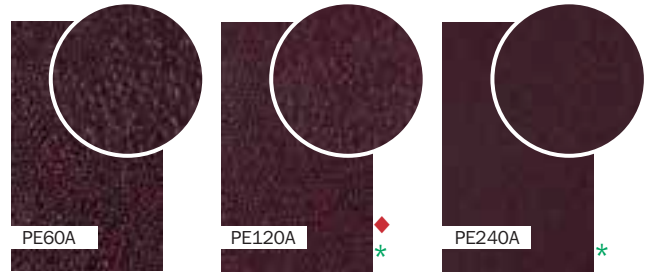
TRIZACT

Perhaps our most popular range of belts this robust material is designed to handle the demands of all steels. Not strictly 'grit sizes' these belts are built using brick and pyramid abrasive shaping. The highest 3000 'grit' size will sharpen to two microns (the same sharpness as a disposable razor blade) and provide a factory finish on all steels.



ALUMINIUM OXIDE

This common abrasive is designed primarily to sharpen carbon steel bench chisels, carving tools and plane irons, but will also sharpen harder High Speed Steel tools. Material longevity is at the lower end of the abrasives scale we use on our belts, but makes an excellent economical choice. Work your way through grit sizes (heavier grits for the removal of bulk) to achieve a fine finish with our 240 grit belt.



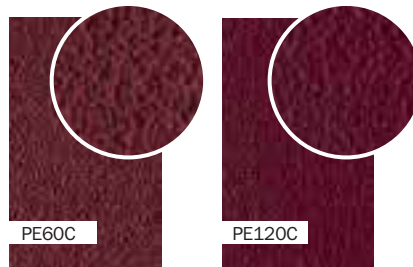
ZIRCONIUM

Designed for HSS tools, drill and router bits this material provides good value. The 60 grit belt will tackle the most damaged surface. Use the 120 to provide a rewarding cutting edge and finish



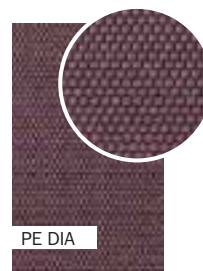
CERAMIC

This hardwearing material is a great choice for profiling and re-profiling damaged tools. The heavier 60 grit option is an efficient choice for removing plenty of material, while the finer 120 grit will provide a satisfying finish. Great longevity and highly practical.



DIAMOND

Diamond belts offer the pinnacle in abrasive technology, providing durability and flexibility. Diamond particles are precisely graded to give a long-life solution and are excellent for sharpening the most difficult of materials. They also provide a great all-round alternative and are suitable for any material



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
PE DIA	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.

This lightweight cabinet accompanies 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. Cabinet size: 35" height x 18" depth x 19" width



PECAB

Jigs and Accessories

The Robert Sorby ProEdge sharpening system is supported by a fantastic range of jigs and accessories that will sharpen tools and knives of practically every description quickly, accurately and without fuss.



PESKEW - SKEW JIG*
For accurate sharpening of woodturning skew chisels.



PEFPKIT - FINGERNAIL PROFILING KIT*
The fingernail profiling kit is ideal for shaping those perfect fingernail sweeps on bowl and spindle gouges. This set contains the arm and the boss but both items are available individually.



PEVB - STANDARD GOUGE JIG*
Allows easy sharpening of all standard ground woodturning gouges and carving chisels.



PESQ - WOODWORKING CHISEL JIG
Accurately ensures a straight cutting edge on any wood working chisel.



PESQW - NEW WOODWORKERS' SQUARE GUIDE
The square guide raises the tool away from the tool platform. Using a set square or triangle adjust the bar to ensure a perfectly accurate position for sharpening all your chisels and plane blades



PESPC - SHORT TOOL PLATFORM
Ideal for short blades



472 - CUTTER HOLDER
Holds tips and cutters securely allowing easy sharpening of small and difficult to grasp attachments. See page 23.



RSTM-TH - TURNMASTER TIP HOLDER
No more ground finger ends, just bolt on your tips to aid with sharpening. See page 12.



PEHONEKIT - HONING KIT
This kit uses the abrasive honing wheel which can be shaped to allow for honing of gouge flutes - especially useful for woodcarving tools. Items also available individually.



PEBUFFKIT - BUFFING KIT
This kit uses the buffing mop and honing paste to create a high polish on any steel. Items also available individually.

Please note: the PESKEW, PEVB, PESQ and PESQW can be used with traditional grinding wheels when used in conjunction with 447 JAT adapter table seen on page 49. The Fingernail Profiler and Long Grind Jig can be also be used with grinding wheels (see page 49 for further details).

* is included in the ProEdge Deluxe System



PEKJIGS & PEKJIGL - KNIFE SHARPENING KITS

We offer two knife sharpening kits, the only difference between them is the size of the holder. The larger knife holder is ideal for hunting knives, carving knives and knives over 8" long. The small knife holder is ideal for pocket knives, vegetable knives and blades up to 8" long. Both holders can be adjusted using the collar on the arm to allow for steep and shallow sharpening bevels. Knife holders are also available separately (see below). Each kits contains a back plate, a raised wear plate, a universal arm and a knife holder. The kit comes with full instructions and an instructional video can be seen on Robert Sorby's YouTube site.



PEKHS - KNIFE HOLDER SMALL
Available as an upgrade for the large knife jig.

PEKHL - KNIFE HOLDER LARGE
Available as an upgrade for the small knife jig.

REPLACEMENT PARTS



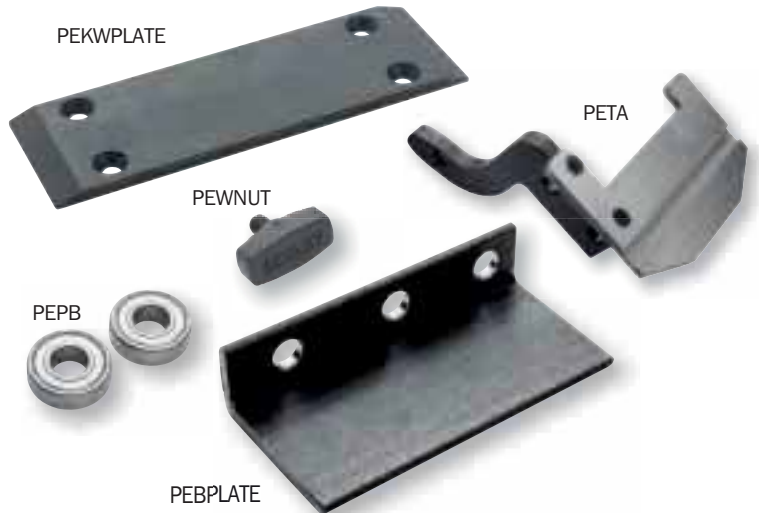
PROSET - PROSET

Helps you achieve the exact bevel angle on any fingernail or long grind gouge when used in conjunction with the fingernail profiling arm.



PELGJ - LONG GRIND JIG

Helps you to create three different fingernail profiles (see page 49) .



PEBPLATE

JIGS & ACCESSORIES

Ref	Description
PEKJIGS	Small Knife Jig
PEKJIGL	Large Knife Jig
PESKEW	Skew Jig *
PEFPKIT	Fingernail Profiling Kit *
PEFPARM	Profiling Arm
PEFPBOSS	Boss
PEVB	Standard Gouge Jig *
PESQ	Woodworking Chisel Jig
PESQW	Woodworkers' Square Guide
PESPC	Short Tool Platform with arm
472	Cutter Holder
RSTM-TH	Tip Holder
PEHONEKIT	Honing Kit
PEARBOR	Honing Wheel Arbor
PEBOND	Honing Wheel
PEPIG	Pigtail Mandrel

PEBUFFKIT	Buffing Kit
PEMOP	Buffing Mop
Ref	Description
475	Honing Paste
PEKJIGS	Knife Jig small
PEKJIGL	Knife Jig large
PEKHS	Knife Holder small
PEKHL	Knife Holder large
PELGJ	Long Grind Jig
PROSET	Proset

REPLACEMENT PARTS

Ref	Description
PEBPLATE	Backplate
PEKWPLATE	Knife Backplate
PETA	Table and Arm
PEPB	Pulley Bearings
PEWNUT	Guard Screws

*Included in ProEdge Deluxe System

PETER CHILD ARTIST'S PYROGRAPHY MACHINE

Create beautiful textures, designs and patterns

Pyrography is a fast growing pastime in its own right. For woodworkers it can add a whole new dimension to decorating workpieces. Whether you're a woodcarver etching lifelike detail to a bird carving or a woodturner creating patterns on your work, pyrography can transform ordinary looking projects into beautifully decorated ornaments, quickly and easily.

And you don't need to be an artist to create stunningly impressive pieces.

The examples below illustrate what can be achieved with nothing more than a little patience.



"I have been using the Peter Child Artist's Pyrography Machine for 40 years, it's perfect for me and my students."

Bob Neill, Professional Pyrographer



Robert Sorby manufactures two versions of the machine, only differentiated by colour and voltage.

Ref	Colour	Available from UK / European stockists	Ref	Colour	Available from stockists outside Europe
PYRO240AT	Orange	UK 240V	PYRO110C	Burgundy	USA 110V
PYRO240BT	Orange	EU 240V	PYRO240D	Burgundy	AUS 240V
			PYRO110E	Burgundy	JAPAN 110V



A useful 12 page instruction manual helps you get the best out of your machine.

PETER CHILD ARTIST'S PYROGRAPHY MACHINE

The Peter Child Artist's Pyrography Machine is widely regarded as the machine of choice by many professionals. Powerful enough to create dense textures and patterns, its slim, light and comfortable-to-use pen design also delivers the perfect balance for the finest detail work, making it an ideal choice for the novice too.

As you would expect from a machine manufactured by Robert Sorby the build quality and attention to detail is of the highest standard.

Features and Benefits:

- Slim, light and comfortable pen design
- Perfect for precise detailed work
- Cool running handle for comfort
- Warms from cold in 2 seconds
- Excellent reliability
- Incredible durability

Each pyrography machine contains a pen, a meter length of 25 standard wire gauge (SWG) to make your own points, six spare nickel chromium nibs (five standard points in 25 SWG and one spoon point in heavier 24 SWG) and a handy 12 page manual full of ideas.





PYROGRAPHY PEN - PYROPEN

The Pyrography pen offers extraordinary close control with an industry leading tip to grip distance of 32mm (1 ¼"). This closer control enables you to easily create the designs and patterns you want – just like drawing with a pencil.

NICKEL CHROMIUM 1oz REELS

Shape points to your own design using wire cutters and pliers. One reel can make more than 150 points. Hammered flat, they can be used as a blade for burning feathers, grass or fur. Alternatively, file the wire to a needle point for minute detail. The manual that accompanies the machine describes how to make a variety of points. The only limitation is your imagination.

Reel wire is available in the following Standard Wire Gauge (SWG) sizes:

Ref	Size
PYRO26G1	26 SWG (0.46mm)
PYRO25G1	25 SWG (0.51mm)
PYRO24G1	24 SWG (0.56mm)
PYRO23G1	23 SWG (0.61mm)



STANDARD LOOPS (25 SWG) PYROSTLOOP10-25

These Standard Loop Points are made from 25 SWG nickel chromium and are available in packs of 10. With normal use these hard wearing points will last many years. Ideal for general detail work.

SPOON POINTS (24 SWG) PYROSP10-24

Spoon points are designed for shading and general detail work. Made from nickel chromium 24 standard wire gauge (SWG) they are marginally wider than standard loops with a 0.56mm diameter. The miniature teaspoon-like tips widening to approximately 2mm. Available in packs of 10.

COIL POINTS (23 SWG) PYROCOIL5-23

Coil points are perfect for heavy strokes and filling large areas. Made from thicker 23 SWG (0.61mm) nickel chromium these points are available in packs of five.

ACCESSORIES & REPLACEMENT PARTS

Ref	Description
PYROPEN	Pen
PYROSTLOOP10-25	Pack of 10 Standard Loops (25 SWG)
PYROSP10-24	Pack of 10 Spoon Points (24 SWG)
PYROCOIL5-23	Pack of 5 Coil Points (23 SWG)
Spare Wire – 1oz Reel	
PYRO26G1	26 SWG
PYRO25G1	25 SWG
PYRO24G1	24 SWG
PYRO23G1	23 SWG



Tools and Techniques

Functional, practical and ornamental – see just what's possible using Robert Sorby tools as we ask some of the most accomplished woodturners to show work they've created using their favourite Robert Sorby tools.

Nick Cook – Spindle Work and Gift Ideas



Spindle work is one of the most practical aspects to woodturning. The principles of spindle turning can be picked up quickly and easily using the same techniques used to create columns, newel posts, chair legs and staircase spindles and applying them to smaller projects such as practical household implements and a multitude of gift items.

World renowned woodturner and spindle turning maestro Nick Cook introduces all his students to the joys of spindle work through these easy to pick-up projects.

In fact Nick is as well known for turning gift ideas as he is for his beautiful architectural and furniture work and the numerous bowls, vases and platters that adorn collections the world over.

So practised is Nick at turning practical and ornamental pieces that he has made a cottage industry out of it turning literally thousands of specific pieces to order.

A variety of Nick's work using Robert Sorby tools can be seen on this page. Many of these items are easily achievable by novices and can be sold at craft fairs, local garden centres and interiors and home-ware stores. Christmas decorations, children's toys, kitchen and garden implements are all within easy range of the beginner woodturner.

To see how Nick makes a range of simple projects visit our website:
www.robert-sorby.co.uk/resources/demonstration-films.html



Nick Cook was one of the founders of the American Association of Woodturners and is the author of numerous articles and two popular DVDs. He is in high demand as a speaker, demonstrator and lecturer at universities, woodworking shows and seminars across USA, England, Australia and New Zealand.

Nick's work is in private collections across the world and can be seen in galleries across the USA. He delivers regular courses to groups and individuals from his studio in Georgia, USA.

FAVOURITE TOOLS INCLUDE:
 843H 3/4" Spindle Roughing Gouge
 840H 3/8" Spindle Gouge
 809H 3/4" Oval Skew
 830SH 1/16" Slim Parting Tool.

"I have been using Sorby tools for more than 40 years, they are the most consistent I have found." Nick Cook.





PEN TURNING – WITH MASTER CRAFTSMAN BARRY GROSS

Pen turning is perhaps the single most popular branch of woodturning. It is certainly the place where many turners start out. It is relatively easy to start turning making pens and a lot of satisfaction can be achieved quickly and easily providing something practical and beautiful as a gift or keepsake.

For award winning pen turner Barry Gross turning pens is a lifetime obsession. He has been commissioned by the White House and made pens for numerous politicians and celebrities including Greg Norman and Steven Spielberg.

Barry uses a selection of Robert Sorby micro tools to complete his masterpieces and is a firm believer that using the appropriate tools makes the job so much easier.

Barry works with a multitude of different media to create these highly practical works of art. As well as using the huge range of timbers and acrylics available to turners these days he also turns antler and soft metals.

Barry encourages his students to think creatively and recycles numerous unique items that many people would discard to create his one-of-a-kind fine writing instruments. Using items such as vintage watch parts, cholla cactus, cigar labels, circuit boards, exotic wood that was destined for the wood chipper and fishing fly lures to name some of the objects that are recycled by Barry to produce his pen masterpieces.

Barry Gross has been turning pens and creating artistic forms in diverse media for more than 35 years. He has published over 50 articles in several woodworking magazines and is the author of five books. He is only one of two independent pen makers to receive a Readers Choice Award from the international pen magazine Pen World. He also was a double finalist for the Niche Awards in two separate categories.

Barry lives and works in Pennsylvania, USA and is a member of the American Association of Woodturners (AAW) and a proud member of the Pen Makers Guild.

"This is a great set of tools for pen making and other small turnings. Why use "Full" sized tools to make a small pen? These tools offer more control for your pens and other small turnings." Barry Gross

- FAVOURITE TOOLS INCLUDE:
- 869H 1/2" Skew Chisel
 - 867H 1/4" Spindle Gouge
 - 879H 1/2" Spindlemaster
 - 870H 1/16" Parting Tool
 - 866H 5/16" Roughing Gouge.



Barry at the lathe.



Feversham
This creative writing peice was made using salvaged coins from the wreck of HMS Feversham which sank off Nova Scotia in 1711.



Visit: www.bgartforms.com



Amboyna

Redwood Burl



Creating beautiful and wondrous textured shapes in wood can be perplexing to many. A variety of tools are available to help the turner experiment and perfect this art – but none offer more variety and intuitive feel than the Robert Sorby Texturing Tool and Spiralling System.

For those familiar with these tools an array of patterns and shapes can be created by presenting the tool to the wood in different ways. Various sizes of spiral, stars, flowers, cross-hatch patterns and a range of indentations can transform turned items into pieces of art. Add colour to the projects and you will be amazed at what can be achieved.

Inspirational artist and woodturning wizard, Nick Agar is renowned the world over for his artistic textured creations in wood and a range of mixed media.

Here Nick shows a few finished pieces to demonstrate just some of the shapes and textures that can be achieved using the Robert Sorby spiralling system and texturing tool and its smaller stable mate the modular micro spiralling system and texturing tool. These shots were taken while working on the latest Robert Sorby Inspirations film soon to be freely available on Robert Sorby's YouTube channel.

To see how Nick achieves these marvellous designs visit: www.youtube.com/user/robertsorbyengland

Nick Agar is an award winning woodturning artist and has a well-earned reputation for producing highly individual, beautifully crafted art from his riverside studio in Devon.

With more than 25 years' experience he has a great understanding of his medium.

Nick's work is in constant demand from collectors across the globe and he counts royalty among his illustrious clientele.

Nick is a registered professional turner, a member of the AWGB and AAW, and an elected member of the Devon Guild of Craftsman.

To see more of Nick Agar's wonderful work visit his website: www.turningintoart.com



SPIRALS IN BLUE

This example finished in blue uses the medium cutter for the modular micro spiralling tool. Nick achieves what appears to be a complex pattern quickly and efficiently. Working away from the centre of the piece he presents the teeth of the cutter at different angles to achieve the varied designs.



STARBURST

This black finished starburst-like swirl was created using the full sized tool with the 4mm pitch cutter. Start in the middle, but unlike the varied patterns in the red and blue examples where designs are achieved by holding the tool in place; use a sweeping action whilst simultaneously presenting the tool at an open angle as you work towards the rim.



RADIANT FLOWER

The full size spiralling tool was used to create this beautifully patterned example finished in red. The centre flower-like design was created using the 2mm cutter, while the patterns working their way to the outside were used with the larger 4mm pitch cutter. Hold the tool steady to create each pattern, the difference in the pattern being the angle at which the tool is presented to work.

BOWL REVERSAL

To create the multiple patterns represented on the underside of this beautiful bowl, Nick uses a blend of the tools and techniques. Here the medium and fine cutters of the modular micro tool are combined with the full sized tool's texturing wheel and a further three spiralling cutters at 2mm, 4mm and 6mm pitches to create the variegated design.



"I've been using these tools for as long as I can remember but I'm always finding new ways to use them." Nick Agar

FAVOURITE TOOLS INCLUDE:

330H Spiralling System

350/02 2mm Pitch Cutter

350/04 4mm Pitch Cutter

350/06 6mm Pitch Cutter

370A Modular Micro Spiralling System

370/01 Fine Cutter

370/02 Medium Cutter

Robert Sorby have produced a series of instructional DVDs 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
RSDVDDT	Focus on Decorative Techniques

FOCUS ON STARTING OUT WOODTURNING

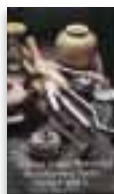
Tool selection, use and care, wood selection and finishing are just some of the topics covered as the viewer is taken through some initial steps in starting out woodturning. It is a must for those who are new to woodturning and are looking for help and guidance. 100 minutes.



Ref	Description
RSDVDSO	Focus on Starting Out Woodturning

FOCUS ON SPECIALIST WOODTURNING TOOLS PARTS 1 AND 2

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
RSDVDST	Focus on Specialist Woodturning Tools Parts 1 and 2

FOCUS ON SPECIALIST WOODTURNING TOOLS PART 3

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. This DVD also introduces the turner to the off-centre world of the Robert Sorby Eccentric chuck. Learn how to create a multitude of 'impossible' shapes.



Ref	Description
RSDVDTCEC	Cutting Threads and Eccentric Chuck Tools Part 3

FOCUS ON PROEDGE THE ULTIMATE SHARPENING SYSTEM

This Robert Sorby Sharpening DVD using the ProEdge Ultimate sharpening system is a must have for anyone wanting to keep a sharp cutting edge on any of their tools. After a full introduction on the ProEdge with all its optional jigs and accessories the DVD is split into chapters for easy reference.

The chapters show how to sharpen basic woodturning tools as well as a section on more difficult grinds such as fingernail gouges and skewers together with woodworking chisels, carving tools and knives.

There is also a chapter explaining all of the abrasive belts and their applications.

A perfect visual and audio guide to ensure a sharp tool every time.



Ref	Description
RSDVDPE	Focus on ProEdge Sharpening System

Handles and Ferrules

All our wooden handles and the full range of ferrules are available by order from your stockist. Each handle is turned in-house at our factory in Sheffield, England from approved sustainable timber sources before being hand finished to ensure it meets Robert Sorby's strict quality control – a standard that has helped make our tools the craftsman's choice for almost 200 years.

Visit our Resources pages at www.robert-sorby.co.uk to see our full range of wooden handles and ferrules.

WOODTURNING TOOL HANDLES & FERRULES



Handle code No.	Description	Length (L)		Diameter (D)	Ferrule (FF) code No.	Ferrule code No.	O/D	Length	Gauge	Material.
		mm	Inches							
HTTMICRO	ASH TURNING	155	6"	25.00	HF15B	HF15B	9/16"	1/2"	23	Brass
HTT1	ASH TURNING	220	8 3/4"	36.00	HF19B	HF19B	3/4"	11/16"	23	Brass
HTT2	ASH TURNING	253	10"	38.00	HF19B	HF22B	7/8"	3/4"	23	Brass
HTT3	ASH TURNING	305	12"	40.00	HF22B	HF25B	1"	3/4"	16	Brass
HTT4	ASH TURNING	353	14"	44.00	HF25B	HF32B	1 1/4"	3/4"	16	Brass
HTT5	ASH TURNING	353	14"	44.00	HF32B					
HTT6	ASH TURNING	433	17"	45.00	HF25B					
HTT7	ASH TURNING	580	23"	47.00	HF32B					

SLICK TOOL HANDLE & FERRULE



Handle code No.	Description	Length (L)		Diameter (D)	Ferrule (FF) code No.	Ferrule code No.	Description	Gauge	Material.
		mm	Inches						
HSLICK	SLICK ASH	435	17"	45.00	HFSLICK	HFSLICK	SLICK	N/A	Steel



Fulfil your burning desire

NEW

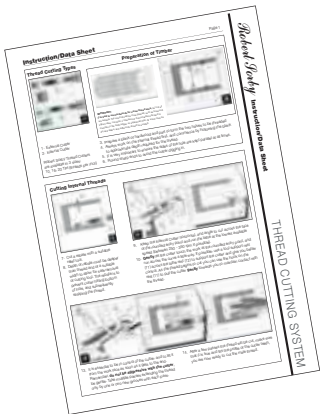
Robert Sorby has taken over the manufacture of one of the world's most respected pyrography brands. See our latest new product, the Peter Child Artist's Pyrography Machine on pages 54 and 55.

Visit our website

Our website is a valuable resource for any woodworker. As well as providing the vital information and advice about all our tools, it also delivers engaging content we hope all our customers will find useful.

See tool demo events

Our demonstrators can be seen across the globe. Whether you're in the United Kingdom, North America, Europe, Australasia or the Far East. See our events pages for a show near you.



Download instructions

Instructions and product advice sheets are available to download from our website in seconds.

Learn with our demo films

Our demonstration films offer simple advice on how to get the best out of Robert Sorby tools. They include hints and tips from some of the world's best known woodturners.



Get advice in our forum

Join Robert Sorby's online forum for the latest on tool usage. Ask questions and pass on advice.

Find a dealership near you

We have hundreds of stockists all over the world. To find one near you see our Stockists pages where you can search by location or find directions using our Google Maps store locator. You'll also find direct website links to your favourite stockist's Robert Sorby pages.



And there's much more.

Go to our Resources pages to find out more.



Robert Sorby products are available from

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Fax: +44 (0) 114 255 0710
Email: sales@robert-sorby.co.uk
www.robert-sorby.co.uk



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