



## Lie-Nielsen Woodworking Tools

Established in 1981, Lie-Nielsen are a family run company dedicated to creating the best hand tools for woodworking. Beautifully crafted and traditionally made with high quality materials, Lie-Nielsen use a combination of modern CNC technology and good old fashioned hand-work to make nearly 100 different types of tools. Lie-Nielsen hand tools are a delight to work with and worthy of admiration.

Lie-Nielsen  
**TOOLWORKS**<sup>®</sup>  
INC.

**AXMINSTER**  
Tools & Machinery

# Lie-Nielsen Woodworking Tools

## Skill Centre Courses



### 1 Day Sharpening Course

Get the best from your Lie-Nielsen hand tools with our 1 Day Sharpening Course.

You will learn about sharpening a wide range of hand tools, covering woodcarving, woodturning and general woodworking tools. You'll leave with your tools performing to the highest level they can.

For up-to-date course information and availability [axminsterskillcentre.co.uk](http://axminsterskillcentre.co.uk)

Lie-Nielsen products are displayed throughout our stores.

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# GETTING STARTED

## CORE TOOLS



Unless you are already a seasoned hand tool woodworker, the vast array of hand tool choices in today's market may seem overwhelming. Here are some tips for choosing core tools for furniture building.

### Planes

Everything needs a block plane and the No.60½ Adjustable Mouth Block plane is the most versatile design. If you start with rough wood, the next tool you need is a Jack plane – the No.62 Low Angle Jack is a favourite. Next (or if you start with pre-surfaced wood), comes a flattening tool, which would be a Jointer plane, usually a No.7 or 8. For finishing surfaces you will need a Smoother – a No.4 or 4½ is a good place to start. Then consider a shoulder plane for trimming joints – the No.073 Large Shoulder plane will handle large and small jobs – and other Joinery planes, like the Router planes, depending on your work.

### Chisels

Start with a couple of sizes and go from there. Lie-Nielsen chisels only need a light honing to get started.

### Saws

For joinery, start with a Dovetail saw. Next you will need a crosscut – the Carcass saw – and later a tenon saw. Especially when sawing, remember, let the tool do the work.

### Workbenches

Often overlooked, a good workbench is essential for hand tool work. A well designed bench holds your boards so you can easily work the edges, faces and ends of your pieces. Our benches and vice hardware are designed to be rugged and effective at holding the work for a variety of operations.

## SHARPENING & CUTTING ANGLES FOR PLANES

To get the most out of your hand tools, it is important to learn to sharpen well. Two waterstones (coarse and fine, 1,000 and 8,000 grit, for example), a honing guide and a way to keep your stones flat will get you going.

The cutting angle is the angle the blade presents to the wood. On the bevel up blades, the cutting angle is the blade's bevel angle (usually 25°) plus the bedding angle (usually 12°). On bevel down blades (standard bench planes), the cutting angle is the angle the blade is set in the tool. Traditionally, bench planes have the blade set at 45°, but different cutting angles are better for different types of work – which is why High Angle Frogs are also available from Lie-Nielsen.

These angles are intended as a guide – the exact angle is not as important as finding what works and using a sharpening method that allows you to re-sharpen at the same angle each time.

- 35° to 40° – ideal for end grain.
- 40° to 50° – standard cutting angle for general work with relatively low cutting resistance.
- 50° to 60° – minimises tearout on highly figured woods.
- 100° or more – for scraping jobs.

*When you receive your Lie-Nielsen plane, spend five minutes honing the blade on your finest stone. Then adjust the cap pressure: on a Bench plane you want to be able to adjust the blade depth without unlocking the cap; on a Block plane, the cap needs to be a bit tighter. Then, use the tool. Later on, adjust the chipbreaker and the mouth opening as needed for your work.*



# BENCH PLANES

## BENCH PLANES

**These solid tools will give excellent results in the most demanding conditions. Precisely made, fit and finished, all Lie-Nielsen planes are ready for use right out of the box with minimal honing required.**

All Lie-Nielsen bench planes have manganese bronze caps and frogs, and cherry knobs and handles, hand shaped and buffed to a silky smooth finish. The soles of our planes are machine ground flat and square to .0015" or better, regardless of length.

Blades are cryogenically treated A2 tool steel, double tempered to Rockwell 60-62. Blades are shipped with a flat ground 25° bevel. For longer edge life in abrasive or hard woods, increase the bevel angle up to 30° or 35°. This is quickly accomplished by honing a small secondary bevel.

### Standard Bench Planes

**From the tiny No.1 to the huge No.8, each plane has its own charm, but personal preference plays a large part in choosing the right plane for a particular job.**

Our standard bench planes (except for the No.1) are based on the Stanley Bedrock design, last produced in 1943. In their golden years, the Bedrocks were the top of the line. They featured a fully machined mating fit between the frog and body and the ability to adjust the mouth opening from the rear without removing the cap and handle. The Bailey style depth adjuster allows you to easily adjust the depth of cut on the fly with your fingertips.

### Form Follows Function

The mid-sized planes are best for roughing work. These include the No.5, 5½, 6, 10¼ and 62

The longest planes are designed for flattening. These include the No.7, 8 and 7½.

The shortest, widest planes are ideal for finishing. These include the No.1, 2, 3, 4 and 4½.



**No. 1 Smoothing Plane** code: 421025

**Based on the famous Stanley No. 1, a miniature bench plane, 140mm(5.1/2") long with a 30mm(1.3/16") x 3mm thick blade, fitted with a Lie-Nielsen improved chipbreaker.**

It is available with a cast manganese bronze body only. Size wise it is not dissimilar to a block plane. This may give a clue to its original intended use, as a small plane for trimming type jobs and final touches.



**Nos. 2 & 3 Smoothing Planes**  
No.2 code: 421000  
No.3 code: 421048

**Both these tools, cast in manganese bronze, have the unique Stanley bedrock frog design.**

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

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

The No. 3 is 228mm(9") long with a 44mm(1 3/4") wide blade and weighs 1.82kg(3 1/2lb).

Code  
Blade Only for No.3 & No.5 1/4 **421057**



**No. 4 Smoothing Plane**  
Iron Body code: 421035  
Bronze Body code: **421001**

**This No. 4 Smoothing Plane uses manganese bronze or ductile iron castings for the body, bronze for the frog and for the lever cap, selected cherry wood for the handles, machined brass for the fittings and 3mm thick cryogenically treated A-2 tool steel for the blade.**

All these elements combine to form an exceptional 1.8kg tool. To advance the blade, turn the adjuster screw clockwise. It is always a good idea to finish adjusting the blade by a forward adjustment to take up backlash and to prevent the blade from moving.

The blade sits bevel down, at 45° common pitch. It only requires a light honing before use. A secondary bevel of 1° to 2° helps achieve a razor edge. Lightly rounding the corners will prevent them from marking the work.

Code  
Blade Only for No.4 & No.5 **421010**  
Toothed Blade for No.5 **210573**

# BENCH PLANES



**No. 4 1/2 Smoothing Plane** code: 421044

Lie-Nielsen have produced their No. 4 1/2 in ductile iron with a bronze frog and lever cap supporting a 60mm(2.3/8") A2 cryogenically treated blade.

Finished with polished cherry wood handles and fitted with a cryogenically treated blade. Like all Lie-Nielsen planes it is a tool to be treasured. Length 263mm(10.3/8"), weight 2.5kg(5 1/2lb).

Code  
Blade Only for No. 5 1/2, No. 6 & No. 7 **421045**



**No. 5 1/2 Jack Plane** code: 421056

This fine bench plane has a good weight and handles exceptionally well, an A2 cryogenically treated 60mm (2.3/8") blade width making it perfect for flattening the surfaces of wide boards.

Needless to say, all the usual high quality features are present on this Lie-Nielsen classic. Length 375mm (14.3/4"), weight 3.18kg (7lbs).

Code  
Blade Only for No. 5 1/2, No. 6 & No. 7 **421045**



**No. 5 Jack Plane** code: 421019

Body cast from fine ductile iron, manganese bronze frog mounted in the famous Bedrock style, and polished cherry wood handles.

Fitted with an A2 cryogenically treated 3mm(1/8") thick 50mm(2") wide blade, 355mm(14") long, weighing in at 2.5kg(5 1/2lbs).

**No. 6 Fore Plane** code: 421054

Midway between the No. 5 Jack and the No. 7 try or jointer this plane offers all the well known Lie-Nielsen qualities and features but at a size which may better suit some discerning users.

The A2 cryogenically treated blade has a width of 60mm(2.3/8") and with an overall length of 455mm(18") it weighs in at 3.4kg(7.1/2lbs).

Code  
Blade Only for No. 5 1/2, No. 6 & No. 7 **421045**

# BENCH PLANES

No. 7 Try or Jointer Plane  
code: 421046



At 558mm(22") long with a precisely ground ductile iron body, this plane is born to shoot accurate joints.

The frog and lever cap are made in bronze. Fitted with an A2 cryogenically treated 60mm(2.3/8") wide blade to give a smooth chatter-free cut. Weight 3.75kg(8.1/4lbs).

Code  
Blade Only for No. 5 1/2, No. 6 & No. 7 **421045**



No. 7 1/2 Low Angle Jointer Plane

code: 421058



At 558mm(22") long with a wide A2 cryogenically treated blade its dimensions are the same as a standard No. 7 plane.

The blade is mounted at an angle of 12° with the bevel up; this design gives as much support as possible to the cutting edge. It has a cast ductile iron body with bronze lever cap, smooth depth

adjustment and cherry wood handles. The is an uncomplicated tool that will give great results on end grain and long grain in most situations. Weight 3.34kg(7 35lbs).

No. 8 Jointer Plane  
code: 421055



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

An awesome tool, highly effective in the right hands.

Code  
Blade Only for No. 8 **100589**

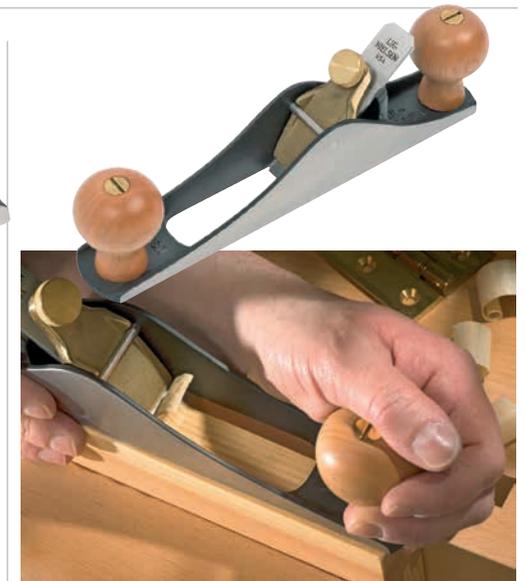


No. 10 1/4 Bench Rebate Plane

code: 421051

This tool is stout and has excellent balance. The cross-grain nickers cut grain fibres ahead of the blade to produce a clean, square, vertical cut.

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



No. 40B Butt Mortice Plane code: 421047

The Butt Mortice Plane can help to make the recess for door hinges in a fraction of the time it takes to set up a router and template.

Easy to use it will make precise mortices with sharp corners to an accurate, uniform depth. The wide mouth gives a clear view of the work. Complete with instructions. Size 245mm(9.5/8") x 38mm(1.1/2") x 38mm(1.1/2") body with a 22mm(7/8") A2 cryogenically treated blade.

# BENCH PLANES

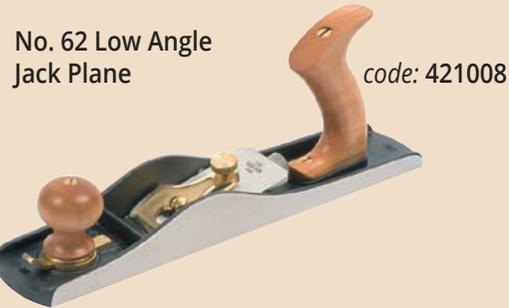
## LOW ANGLE BENCH PLANES

Low angle planes are versatile, uncomplicated tools that will do a great job on both end and long grain. Lighter than conventional bench planes, these planes have a thicker blade and no chipbreaker, making them easier to set up. Instead of a separate frog, the plane body and blade support are a single casting. Mouth opening is easy to adjust. These planes have bronze caps.

The bevel-up blade makes the cutting angle easy to adjust. A powerful technique for enhancing the performance of low angle planes is simply to hone an angle higher than 25° on the blade (for example, a 33° angle makes an effective cutting angle of 45°; a 38° angle equals a 50° cutting angle). This is easily done by honing a small

secondary bevel – no need to alter the entire bevel. Higher cutting angles will give excellent results in difficult or highly figured woods.

Because of their simplicity, these are great tools for beginners.



The No. 62 combines the benefits of a bevel-up 12° blade mounting angle, a set-up which gives as much support as possible to the cutting edge, with an adjustable mouth, making the plane particularly suitable for straightening edges either with or across the grain.

A toothed blade is available for this plane, which is excellent for the removal of heavy stock in difficult grain. The Hot Dog attachment available will transform the Low Angle Jack into a shooting plane. The body is ductile iron, the lever cap is bronze and the handles are cherry wood. The base is 355mm (14") long by 62mm (2.1/2") long by 62mm (2.1/2") wide.

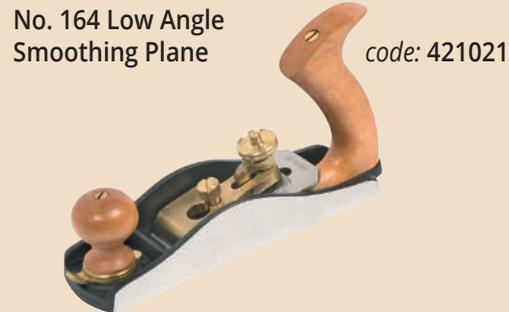
	Code
Blade Only for No.62	421018
Toothed Blade for No.62	210570
90° Scraper Blade	951034

No. 40 1/2 Scrub Plane *code: 200617*

Traditionally used for heavy roughing cuts, the Scrub Plane is excellent for this purpose and also practical for shaping irregular objects, producing an interesting finished surface, or for jobs like backing out a length of molding to fit an irregular wall.

The No. 40.1/2 is supplied with cast ductile iron body, bronze lever cap and frog and cherry handles. 260mm (10.1/4") long body, the blade is 38mm (1.1/2") wide x 4.8mm (3/16") thick with a 75mm (3") radius on the cutting edge. Weight: 1.33kg (2.9lbs).

	Code
Blade Only for No.40 1/2	200618



This low angle version of a No. 4 plane complements the low angle Jack plane.

Bedded at 12° the 50mm (2") wide by 4.8mm (3/16") thick A2 cryogenically treated blade takes and holds a superb edge. The body is a fine ductile iron casting, handles of selected cherry and bronze lever cap. The mouth can be finely adjusted. 240mm (9.1/2") long, weight 1.7kg (3.3/4lbs).

	Code
No. 164 Smoothing Plane	421021
Blade Only for No.164	421028
Toothed Blade for No.164	210572

No. 610 Low Angle Jack Rebate Plane *code: 504077*



A Lie-Nielsen original, the Low Angle Jack (we say rebate, you say rabbet) plane is a cross between the bench rebate plane (but without the tilting knob and handle) and the Low Angle Jack Plane, giving you a full width cutting blade in a convenient, low angle format.

This is a great plane for raising panels, making long rebates, working into corners and large-scale joinery. A 12° blade bed angle and nicks for cross grain work complete the tool. Length 323mm (12.3/4"), width 54mm (2.1/8") with a full width, 4.8mm (3/16") thick A2 blade.



# BLOCK PLANES

## BLOCK PLANES

**Block planes are the workhorses of the workshop. Like low angle bench planes, these planes all have the blade bevel up.**

Low angle block planes have the blade bedded at 12°. We grind a 25° bevel on our block plane blades. This works well in low angles for end grain and general purpose work.

Standard angle block planes have the blade bedded at 20°. The bedding angle, plus the bevel angle equal 45°, which is the same cutting angle as the bench plane.

Higher cutting angles will give excellent results in difficult or highly figured woods. A powerful technique for enhancing the performance of low angle planes is simply to hone an angle higher than 25° on the blade. For example, a 33° bevel makes an effective cutting angle of 45° and a 38° bevel equals a 50° cutting angle. This is easily done by honing a small secondary bevel – no need to alter the entire bevel.



### Leather Wallets for Low Angle Block Planes

**Perfect companions to Lie-Nielsen's block planes - top quality leather wallets for safe storage both in the tool box and whilst working.**

The soft leather is bound and stitched around the edges and the flap can either be closed over the plane for storage or opened back to form a belt loop for easy access whilst working. Two sizes are available, a small one for the No. 102 plane and a larger one for the low angle No. 60 1/2.

	Code
Wallet for No. 102 Plane	100658
Wallet for No. 60.1/2 Plane	100659



### No. 60 1/2 Low Angle Block Plane

code: 421020

**This tool has an appealing feel in the hand and is a pleasure to use. It is versatile, of a convenient size, and cuts with authority at every stroke.**

Useful for every sort of woodworking job, this tool will quickly become a favourite. You can easily adjust the tool to suit the work being done a very fine mouth setting for finishing work and the thinnest shavings, or an ample opening for heavier cuts. Overall length is 158mm(6.1/4") long, with a 35mm(1.3/8") x 3.2mm(1/8") A2 cryogenically treated blade that lies at a 12.5° low angle. Weight 680g(1.1/2lb).

	Code
Blade Only for No. 9 1/2 & No. 60 1/2	421027
Toothed Blade for 60.1/2 & 9.1/2	210569



### No. 100 Model Maker's Block Plane

code: 200619

**This delightful, small low angle tool fits snugly in the palm of your hand. It is a miniature workhorse and is ideal for all sorts of chamfering and trimming jobs, one of those tools whose usefulness is sometimes overlooked due to its size, don't be fooled.**

The A2 cryogenically treated blade is 22mm(7/8") wide and 3.2mm(1/8") thick. At 124mm(4.7/8") long and 32mm(1.1/4") wide, weighing 227g(8oz), this plane is effortless to use.



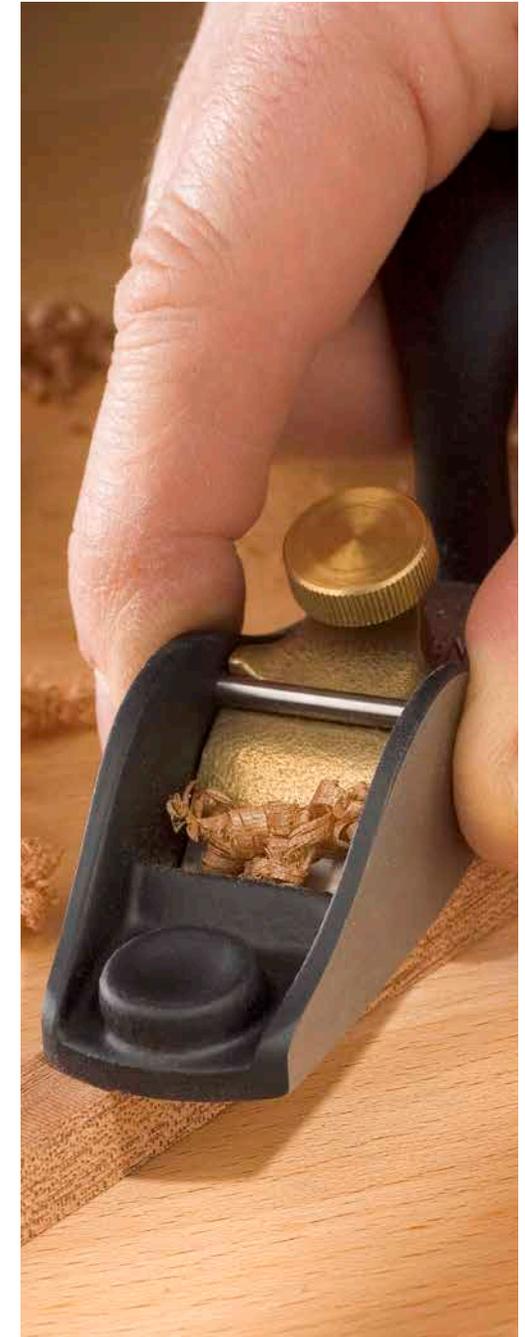
### No. 60 1/2RN Rebating Block Plane

code: 950319

**Axcaliber bandsaw blades are manufactured at Axminster using advanced CNC machining, high precision digital measuring equipment and specialised heat treatment facilities.**

Detailed quality checks are performed at each stage of manufacture using the most modern inspection equipment. The result is a blade which consistently cuts straighter, has harder, longer-life teeth and which gives a superior finish to the work. The final step in the manufacturing process is one of the most important - the weld. We have invested heavily in this area through the purchase of precision welding and grinding equipment and are, as a result, one of the few companies worldwide able to offer a fully guaranteed weld. Blades are cut accurately to length then, using an IDEAL bandsaw blade welder, a high voltage current is passed through the blade to achieve a precision butt weld. The weld is annealed to remove any brittleness and danger of fatigue and then hand dressed to produce a perfectly smooth joint.

	Code
Blade Only for No. 60.1/2RN	100652



# BLOCK PLANES



**No. 101 Violin Maker's Plane** code: 502389

**This pocket-sized block plane is the smallest of Lie-Nielsen hand planes to feature a captive nut blade adjuster for precisely controlled depth of cut.**

The Violin Maker's Plane includes several significant features that put it in a class of its own. The body and cap are manganese bronze for extra weight, durability and resistance to rust. The blade is 22mm wide by 3.2mm thick for chatter-free cuts and made from cryogenically treated A-2 steel for prolonged edge life. The



addition of a finely controlled blade depth adjuster makes this little workhorse perfect for detail-oriented jobs like instrument building or model making. The body is 90mm long x 30mm wide x 41mm tall. The blade is bedded at 18°. Weight is 227g.



**No. 102 Block Plane** code: 421004

**These block planes have 32mm (1.1/4") wide A2 cryogenically treated blades of 3.2mm (1/8") thick A2 tool steel for chatter-free fine cutting, and micrometer blade adjustment.**

The No. 102 low angle 12.5° at 133mm (5.1/4") long, these are the handiest planes in both senses of the word, destined to become the most frequently used in the workshop. Weight 500g (17.6oz).



Blade Only for No. 102 & No. 103

Code

421013

# SHOULDER PLANES

## SHOULDER PLANES

**These elegant shoulder planes are vital tools for trimming and improving cut joints, particularly shoulders, rabbets, tenons and grooves.**

Our all-metal shoulder planes are based on models made by record, which were in turn based on Preston designs from the late 19th century. Lie-Nielsen have brought these planes back into production with several design improvements.

The bronze lever cap is higher for a better grip and closer to the blade bevel for better support. The mouth geometry allows for better chip clearance, while the adjustable mouth and locking screws are large and convenient. The mouth adjustment screw is captured in the front shoe and threaded into the body so it adjusts the mouth both when turned in and out. The blade is much harder and thicker and the captive-nut blade adjustment is very positive.

Bodies are cast from ductile iron, precisely ground flat and square – an essential feature for a shoulder plane. Blades are A2 tool steel, hardened to Rockwell 60-62, cryogenically treated and double tempered to hold a very fine edge for a long time. Blades are bedded at 18°, bevelled at 25° and .005" wider than the body to ensure crisp 90° cuts.



### No. 041 Small Shoulder Plane *code: 701264*

**This is the newest and smallest edition to the Lie-Nielsen shoulder plane range, based on the Record 041, which was in turn based on a Preston model.**

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



### No. 042 Medium Shoulder Plane *code: 200621*

**The Lie-Nielsen commitment to design and quality of manufacture is left in no doubt with this model. Positive fine screw adjustment to both mouth and blade enables the finest of cuts to be taken or opened up and advanced for faster material removal from a coarser cut.**

The bevel edged A2 cryogenically treated blade overrides the body width of the plane by 0.12mm(.005") and is aligned flush to the side of the body in use. 197mm(7.3/4") long with a blade 19mm(3/4") wide x 3.5mm(.14") thick, weight: 1.06kg(2.35lbs). Supplied with ductile iron body, A2 tool steel cryogenically treated blade, bronze lever cap and stainless steel adjuster.



### No. 073 Large Shoulder Plane *code: 421040*

**A useful and accurate plane with a long pedigree of design tradition. A low angle approach with an adjustable mouth ensures a fine shaving in all situations.**

Measuring 210mm(8.1/4") long and 32mm(1.1/4") wide, this famous cast ductile iron and bronze cast plane weighs in at 1.8kg(4lbs) and is fitted with an A2 cryogenically treated blade.

# SCRAPING PLANES

## SCRAPING PLANES

**A planed finish is always preferable to a scraped finish, but scraping planes are used for finishing woods that do not yield well to the hand plane.**

A scraping plane is more comfortable to use than a hand scraper and the plane body helps you keep the scraped surface flat. They can be tricky to master however and we do not recommend using a burr – at least until you've learned how to use the tool. These tools will cut very well with the blade sharpened like a plane blade.

All Lie-Nielsen scraping planes have thick blades, bevelled at 45° for easy sharpening. The blades are soft enough to burnish, but hard enough to hold an edge well. Sharp, set properly and used with smooth, light strokes, these tools will produce a final finished surface on the most difficult hardwoods.

## TOOTHED BLADES

Toothed blades for scraping planes have V-shaped teeth for working exceptionally difficult grains or preparing surfaces prior to veneering without compromising flatness.



**No. 85 Cabinet Maker's Scraper Plane**

code: 421053

**An exceptional plane by any standard. The 50mm(2") wide A2 cryogenically treated blade extends the full width of the base allowing fine scraping to be carried out right into a corner, such as a fielded panel.**

The most important aspect of this plane is that the handles can be tilted to the left or right. This means the plane can be operated right up to an adjacent side, such as inside a box, or on a wide deep rebate, whilst keeping the user's hands well out of the way but still in complete control. The body is ductile iron 212mm(8.3/8") long. Adjustment mechanism is bronze, and the blade is cryogenically tempered tool steel 3.2mm(1/8") thick. This really is the sort of tool cabinet makers normally only dream about.



**No. 112 Large Scraper Plane**

code: 421022

**A larger two-handed version of Tom Lie-Nielsen's No.112 scraper plane. The 3.2mm(1/8") thick A2 cryogenically treated blade is bevelled at 60° and can be easily and precisely adjusted to take the finest of shavings, leaving a smooth flat surface.**

The body 240mm(9.1/2") long with a 73mm(2.7/8") wide blade is cast in fine ductile iron with brass fittings and polished cherry handles. Weight 1.82kg(4lb).

Code

Blade Only for No.112

421029



**No. 212 Scraper Plane**

code: 421006

**A quite unusual plane with its almost perpendicular blade. Tom Lie-Nielsen has produced the perfect tool for a myriad of fine finishing jobs (there was no better tool than the Stanley No.212 when it came to thickening bamboo fly rod sections).**

This is a plane that will produce shavings like the finest lace and leave a smooth surface and crisp edges. The blade angle is adjustable to enable the plane to be set up just right for the particular timber being worked. Body 140mm(5.1/2") by 44mm(1.3/4") by 44mm(1.3/4"). A2 cryogenically treated blade width 34mm(1.3/8"). Weight 680g(1.1/2lb).

Code

Toothing Blade 18 Tpi

421015

Blade Only for No.212

421014

# ROUTER PLANES

## ROUTER PLANES

**Router planes are essential for any work that requires precise depth cuts such as mortises, tenons, hinge gains, inlay, door locks and the like.**

Lie-Nielsen router planes are loosely based on Stanley models, which were derived from the traditional, wood-bodied routers often referred to as the old woman's tooth.

We make both open and closed throat versions of our small and large router planes. The open throat design offers more visibility in front of the tool, which is especially useful for inlay work. The closed throat design gives more support in front of the blade, making it ideal for working on the edges of boards or cleaning out the end of a stopped groove in a rail or stile.

Lie-Nielsen router planes have square blades, held solidly in square broached holes. This prevents the blade from slipping or twisting when removing large shavings or during diagonal use. The blade can also be mounted to face the back of the plane to work closer into corners.

Ductile iron bodies, brass fittings, O1 blades. Blades will not fit original Stanleys.



**No. 271 Closed Mouth Router Plane** *code: 504522*

**This Lie-Nielsen router plane is loosely based on the Stanley 271. It features a stout 6.35mm (1/4") wide blade and is perfect for small relief and shallow mortise work.**

The closed mouth design of this model makes it excellent for edge work or where additional support is required in front of the blade. Approximately 100 x 50mm, weight 240g.



**No. 71 Closed Mouth Router Plane** *code: 504521*

**A router plane is a great tool for working shallow mortises, trimming tenons, hinges, inlay, door locks and anywhere that requires an area cut to a precise depth.**

The Lie Nielsen No. 71 router plane is loosely based on an early Stanley model. The closed throat design is ideal for working on the edges of boards or cleaning out the end of a stopped groove in a rail or stile. The blade is held solidly in the body in a square broached hole (blades will not fit original Stanley planes). Ductile iron body, 210mm long x 90mm wide x 95mm tall, 9.5mm square blade.



**No. 71 Large Router Planes** *code: 701265*

**A router plane is a great tool for working shallow mortises, trimming tenons, hinges, inlay, door locks and where any work requires an area cut to a precise depth.**

The Lie-Nielsen version is loosely based on an early Stanley model, but with an improved depth stop and adjuster. Also, the blade is held solidly in the body in a square broached hole (blades will not fit original Stanley's). Ductile Iron body, 210mm long x 90mm wide x 95mm tall, 9.5mm square blade.

**No. 271 Small Router Planes** *code: 701266*

**The Lie-Nielsen small router planes are loosely based on the Stanley 271 and feature a stout 6.35mm (1/4") wide blade and are perfect for small relief and shallow mortise work.**

Approximately 100 x 50mm, weight 240g. Closed mouth or open mouth options are available.

# SPECIALIST PLANES



**No. 48 Tongue & Groove Plane**

Based on an original Stanley design, the Lie-Nielsen version is a great improvement on its predecessor.

This quietly efficient hand tool centres on 3/4" (19mm) stock, leaving a 1/4" (6.35mm) wide tongue. On narrower or wider boards the tongue will be offset but obviously hidden within the joint. One major improvement is in the use of a single forked blade rather than two separate blades. This single O1 tool steel iron is simple to sharpen and hone.

Set up is also extremely simple. The fine tolerances in machining



Swinging the fence to change from tongue to groove

code: 210954

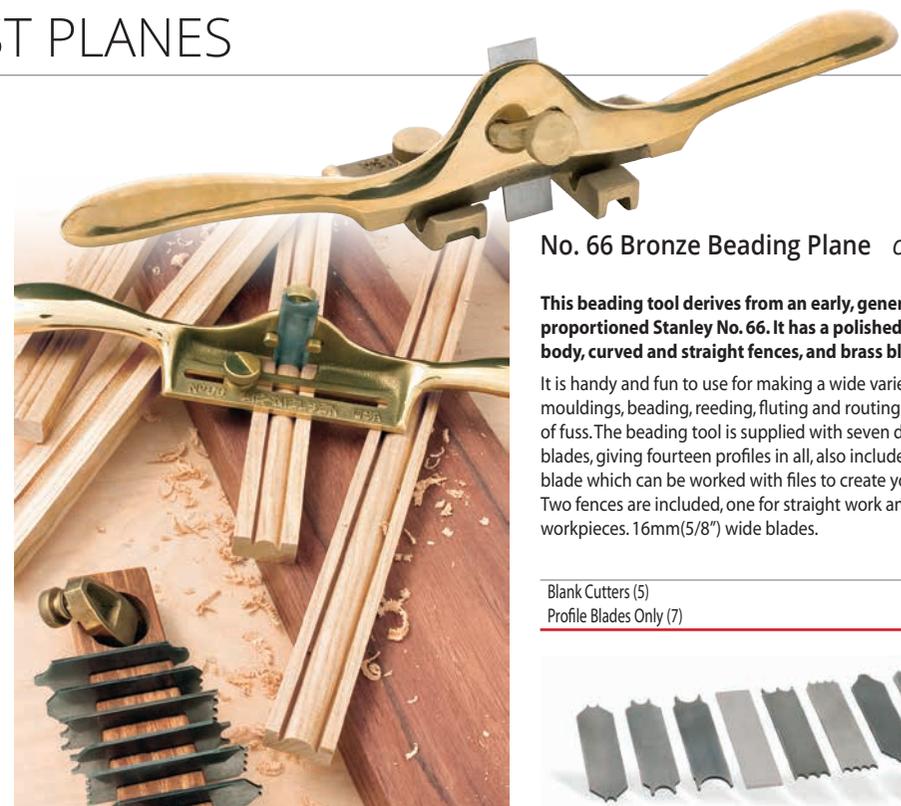
the frog ensure that the blade is always square on to the base. The fence, fixed to the base at its halfway point, can be rotated and locked. In one position, both sides of the blades are exposed to cut the tongue. Rotating the fence into its other position hides one side of the blade leaving the other exposed to cut the groove. Depth is pre-set by the milled groove in the body casting. The tote and the front knob are cherry wood, the lever cap is brass. Overall length 260mm



**No. 51 Shooting Board Plane** code: 951036

This single purpose plane is designed to trim mitres and other end grain cuts on a shooting board. Stanley first made its version in 1909 along with a metal shooting board.

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



**No. 66 Bronze Beading Plane** code: 421026

This beading tool derives from an early, generously proportioned Stanley No. 66. It has a polished cast bronze body, curved and straight fences, and brass blade clamp.

It is handy and fun to use for making a wide variety of decorative mouldings, beading, reeding, fluting and routing with a minimum of fuss. The beading tool is supplied with seven double ended blades, giving fourteen profiles in all, also included is a blank blade which can be worked with files to create your own profile. Two fences are included, one for straight work and one for curved workpieces. 16mm (5/8") wide blades.

	Code
Blank Cutters (5)	421033
Profile Blades Only (7)	421034



**No. 95 Bronze Edge Plane** code: 421003

Cast from hard, durable manganese bronze, this edge plane with its integral 90° fence is primarily used to trim the edges of stock or boards square but by fixing an appropriately angled block to the fence, various angles can be produced, as for coopered work.

The low angle, A2 cryogenically treated skewed blade makes working across the grain or plywood very easy. Equally useful for adjusting rebates or carefully controlled widening of dados. What

first appears to be a speciality plane turns out to have many uses. 146mm (5.3/4") long with a 22mm (7/8") width of cut, styled after the Stanley 95. Weight 570g (1.1/4lb).

# SPECIALIST PLANES



## High Angle Frogs

Until now, all Stanley-type bench plane irons were bedded at 45°, or common pitch. But the famous English smoothers like Norris are usually 50° (York pitch) or 55° (middle pitch).

The higher pitches make smoothing difficult wood easier. Lie-Nielsen's unique High Angle Frogs quickly convert their No. 4 and No. 4 1/2 Smoother to York or middle pitch. These frogs will also fit our other Lie-Nielsen planes with 50mm(2") or 60mm(2.3/8") blades. Please note these will not fit other makes of planes.

	Code
60mm(2 3/8") 50° York Frog	421049
50mm(2") 50° York Frog	100588
60mm(2 3/8") 55° Middle Pitch Frog	701421



## No. 97 1/2 Small Chisel Plane code: 421007

A near half size version of a No. 97 plane which went out of production in 1944. 165mm(6.1/2") long with a 44.5mm(1.3/4") blade. Weight 680g(1.1/2lb).

As a plane it makes a very poor tool, but then that's not its intended function. Where it excels is with the blade set flush with the sole, trimming plugs, through tenons, trimming dovetails flush, cleaning off dried glue lines or into the ends of rebates, as with a removable nose bullnose plane. This plane with its micro-adjuster and 4.8mm(3/16") thick A2 cryogenically treated blade, neither looks nor performs like any other. A great tool.



## Cap Screw

code: 400018

If upgrading your Record or Stanley hand plane with the addition of a Lie-Nielsen plane iron, you may need a longer cap screw due to the increased thickness of the iron.

You could, of course, buy a Lie-Nielsen improved chipbreaker which is supplied with a screw. Please note that if you are upgrading your plane by fitting a Lie-Nielsen iron, you may need to increase the size of the mouth aperture.

# HAND PLANE ACCESSORIES



## Hot Dog Handle

code: 211008

The Hot Dog attachment will transform the #62 Low Angle Jack or the #9 iron mitre plane into a shooting plane.

Makes the job much easier when working with the plane on its side



## Improved Chipbreakers

A big part of a chipbreaker's function is to dampen vibration, but chipbreakers on most metal bench planes are usually quite thin. These improved chipbreakers are machined and ground as opposed to the usual pressing.

A full 3.2mm(1/8") thick with a 0.4mm(.015") lip ground at a 1° angle to provide excellent contact between the leading edge of the chipbreaker and the blade. They are very solid and each is supplied with the chipbreaker screw. All Lie-Nielsen planes from 2003 onwards will already be fitted with one of these chip breakers. Why not upgrade your existing Record or Stanley plane and enhance its performance?

	Code
Nos. 4 & 5 Plane	202265
Nos. 4 1/2, 5 1/2, 6 & 7 Plane	202266



## Plane Socks

These socks are made from stretch knitted fabric and are impregnated with rust inhibitor to protect against corrosion and the occasional knocks and bumps. A great favourite amongst the aficionados of Lie-Nielsen planes, of whom we have many amongst our customers.



	Code
Block Plane Sock	900060
Smoother Plane Sock	900059
Jack Plane Sock	900058
Jointer Plane Sock	900061

# SPOKESHAVES



## Boggs Spokeshaves

The result of collaboration between Lie-Nielsen Toolworks and Kentucky Master Chair Maker Brian Boggs.

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

	Code
Flat Base	260319
Curved Base	260920



## Small Bronze Spokeshaves

Based on an Edward Preston tool from the 1930s, this is Lie-Nielsen's first spokeshave.

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

	Code
Flat Base	421060
Curved Base	421061

## Spokeshave Wallets



The perfect companions to your top quality Lie-Nielsen spokeshaves - top quality leather wallets to keep them damage free and in pristine condition.

Super-soft leather stitched and riveted and with a press stud for fastening. Two types are available, one for the small bronze spokeshave and the other for the Boggs pattern.

	Code
Leather Wallet (Small Bronze)	100656
Leather Wallet (Boggs)	100657



## Concave Boggs Spokeshave code: 701422

The Boggs Concave Spokeshave has a 67mm(2.5/8") diameter sole that is concave making it suitable for working chair spindles and other round parts.

It weighs 225g and overall is 245mm(9.5/8") long fitted with an A-2 blade 28.5mm(1.1/8") x 3.2mm(1/8") thick, bronze body and cap with Hickory handles

# DRAWKNIVES & CUTTERS



## Drawknife

code: 952879

A drawknife's primary use is in the rough shaping of green wood, such as in the making of chair parts or tool handles.

It is also quite efficient for removing bark from logs sawn into planks. Usually a shaving horse holds the workpiece, a large vice makes a good alternative. This drawknife takes its inspiration from a design from the mid 1800s, the original made by the famous and much collected maker, T.H Witherby of Massachusetts. A water jet cuts the blank from O-1 tool steel; this method preserves the

properties of the metal. The drawknife has a 175mm x 32mm blade, hardened to HRC 60-62, with the back relief-milled for ease of sharpening. The overall length is 390mm and a width of 155mm from the blade back to the tips of the handles. Stainless steel nuts and ferrules secure the smooth polished Maple handles. Supplied with a thick leather sheath.



## Deluxe Inlay Tool Set

code: 210845

The Deluxe Inlay Tool Set includes: all four Inlay tools, a pair of radius cutter extension rods, the Steve Latta instructional DVD, Fundamentals of Inlay: Stringing, Line and Berry, our Small Router Plane with three additional specialty blades designed for inlay work and a Lie-Nielsen Hand Scraper.

## Blade for Lie-Nielsen Radius Cutter

code: 210841

Part of a range of tools for inlay work, this cutter is 0.762mm(0.03") thick.

# SCRAPERS



**Cabinet Scraper Set** code: 202211

**A pair of hand scrapers made from premium, high carbon Swedish tool steel, 62 x 150mm (2.1/2" x 6").**

The set includes one scraper blade 0.5mm (.020" x 6"), which makes for a very supple scraper, and one 0.8mm (.032") thick, which is much stiffer. These blades are accurately ground square on the long edges, are easy to use, very handy and, once correctly burnished leave behind an excellent surface on the timber. Hardened to HRC 49-51.



**Carbide Burnisher** code: 950933

**Tungsten carbide being much harder and more wear resistant than tool steel would seem the obvious choice as a scraper burnisher blade.**

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

# CHISELS

## CHISELS

**Lie-Nielsen chisels are based on the Stanley 750 bevel edge socket chisels. Socket chisels are not common these days, perhaps because they are expensive to make, but Stanley and others once produced these chisels in a vast array. Socket chisel handles are less likely to break than tang chisels and can be replaced easily.**

Lie-Nielsen make their chisel handles from Maine harvested hornbeam. Hornbeam, also known as ironwood, was once prized for its toughness, but usually winds up as firewood these days. This under-utilised species makes superb chisel handles. We don't recommend using a 16 ounce framing hammer with these chisels, though that is how they are tested. Lie-Nielsen chisels come sharp and ready to use.



**Cabinet Maker's Mortice Chisels**

**Designed for the cabinet maker, rather than the timber framer, these well balanced mortice chisels are ground with parallel sides and are taller than they are wide to help keep them straight in the cut.**

The Lie-Nielsen Mortice Chisels have handles made from tough durable Hornbeam. The blades are cryogenically treated and hardened to Rockwell 60-62. The set of five is supplied complete with a tool roll.

	Code
4.8mm	202223
6.3mm	202224
8mm	202225
9.5mm	202226
12.7mm	202227



**Cabinet Maker's Mortice Chisel Set** code: 718075

**Designed for the cabinet maker, rather than the timber framer, these well balanced mortice chisels are ground with parallel sides and are taller than they are wide to help keep them straight in the cut.**

The Lie-Nielsen Mortice Chisels have handles made from tough durable Hornbeam. The blades are cryogenically treated and hardened to Rockwell 60-62. The set of five is supplied complete with a tool roll.



**Corner Chisels** code: 210955

**The Lie-Nielsen corner chisel is a modern design based on the traditional corner chisel or bruzz.**

It is most useful when the mortice has been cut with a router or slot morticer producing round edged mortices. It helps square corners easily and precisely. Made from O1 tool steel, the cutting edge is hardened to Rockwell 60-62 and ground razor sharp. Fitted with hornbeam handles, blade length 146mm (5-3/4"), overall length is 245mm (9-5/8").

# CHISELS



Reaching the spots other chisels miss

## Fishtail Chisels

**These Lie-Nielsen Fishtail Chisels are perfect for reaching the back corners of half-blind dovetails and paring or fine tuning in other hard to reach areas.**

Their unique shape offers versatility for right and left hand recesses. The edge is ground with a 25° bevel. The special 0-1 tool steel has been chosen because it will hold a keen edge at lower bevel angles, and for ease of sharpening. The chisel is hardened to RC 60-62, and fitted with a socket style hornbeam handle.

	Code
9.5mm(3/8")	210944
12.7mm(1/2")	210945
16mm(5/8")	210946



## Bevel Edge Socket Chisels

**Socket chisels are not as common as they used to be, mainly because they are more expensive to make than the common tanged chisel of today.**

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

	Code
3.2mm	202201
4.8mm	202202
6.3mm	202203
8mm	202204
9.5mm	202205
11mm	202206
12.7mm	202207
16mm	202208
19mm	202209
25mm	701420

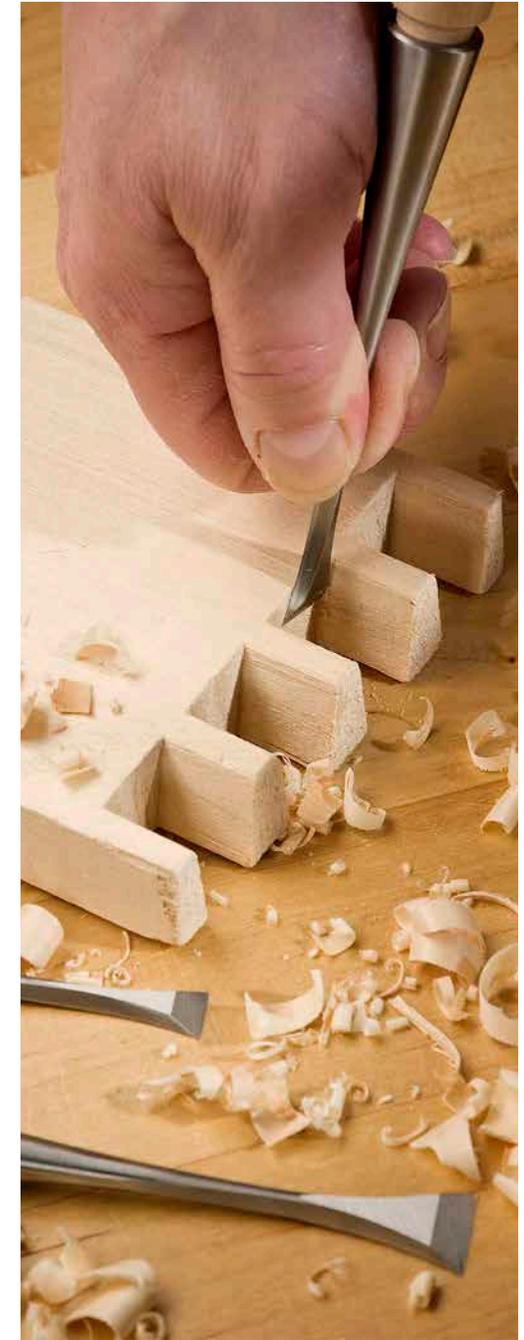


## 5 Piece Bevel Edge Socket Chisel Set

code: 100802

**The chisels are approximately 230mm(9") long overall.**

Available in a set of 5 sizes: 3mm(1/8"), 6mm(1/4"), 9.5mm(3/8"), 13mm(1/2") and 19mm(3/4") in a soft leather tool roll.



# SHARPENING



## Honing Guide

code: 101795

**The Lie-Nielsen version of the side clamping style of honing guide has a solidly machined stainless steel body with a bronze bearing.**

As you would expect this is a greatly improved version of a well tried and tested sharpening jig. It features removable jaws; replacement jaws are available for 5mm chisels or less, tall jaws for mortice chisels, long jaws for very short blades and angled jaws for Lie-Nielsen's skew blades. The honing guide comes with the standard pair of jaws that fit most plane blades. The distance the blade projects from the front edge of the honing guide determines the honing angle. It is possible to achieve bevel angles between 20° and 50°.

## Honing Guide Jaws

**The Lie-Nielsen Honing Guide comes with a standard pair of jaws that can accommodate most bevel edge and common plane blades. This range of additional jaws allows you to sharpen more specialist tools such as narrow chisels, specialised plane blades and skew blades.**

Chisel Jaws (101894) fit 3mm(1/8") and 4.8mm(3/16") bevel edge chisels (as well as 6mm(1/4") to 19mm(3/4") bevel edge chisels).

Mortice Chisel Jaws (101896) fit all mortice chisels, as well as 25mm(1") bevel edge chisels.

Long Jaws (101895) fit blades for the following Lie-Nielsen planes: No. 610, 10-1/4, 041, 042, 073, 1/2 and 85. These jaws are reversible. The short end hones a bevel up to 40° and the long end hones a bevel up to 30°.

18° Skewed Jaws (101879 and 101891) fit Lie-Nielsen No. 140 Skew Block Plane (left or right hand).

30° Skewed Jaws (101892 and 101893) fit Lie-Nielsen No. 98/99 Side Rebate Planes (left or right hand).



	Code
Chisel Jaw Pair	101894
Long Jaw Pair	101895
Mortice Chisel Jaw Pair	101896
18° Skewed Jaw Pair, Right	101879
18° Skewed Jaw Pair, Left	101891
30° Skewed Jaw Pair, Right	101892
30° Skewed Jaw Pair, Left	101893

# SAWS

## SAWS

**Our saws are exceptionally accurate and perfectly set for the jobs for which they are designed.**

Saw blades are made from polished Swedish steel and tempered to Rockwell 52 for durability and ease of sharpening. We take care to make sure our saw blades are properly sharpened and accurately set. Saw teeth have a minimum set that prevents binding while ensuing straight cuts.

Solid, precision-milled brass backs stiffen the blade and add weight for well-balanced, smooth cutting. We carefully hand shape and finish each curly maple handle for a comfortable, silky-smooth grip.

Each Lie-Nielsen saw is precision hand filed, set and test cut in hardwood before it leaves the shop.

## UNDERSTANDING HAND SAW DESIGN

### Blade thickness

Dovetail saw plates are .015" or .020" thick; tenon saw plates are .020" or .032" thick. Thinner saw plates remove less wood so they cut faster. They are a little more delicate.

### Tooth set

Saw teeth are set a certain amount on either side of the blade to prevent binding. Too much set makes it harder to saw accurately in a line. Our saw teeth are set on each side at .003" for dovetail saws, .004" for tenon saws and .005" for panel saws, which is just enough for dry hardwoods.

### Tooth Profile

Saw teeth are filed for specific types of cuts: crosscut profile for cutting across the grain, Rip profile for cutting with the grain. It follows that our dovetail and tenon saws are rip and our carcass saws are filed crosscut.

### Points per inch

The number of tooth points per inch (ppi) along the saw blade determines the aggressiveness and finish of the cut and typically ranges from 7ppi, for coarse cuts, to 16ppi, for very fine cuts.

### About tapered saws

Lie-Nielsen have designed their three back saws with a slight tapering of the blade from toe to heel to give you better control over precise cuts - when holding the saw back parallel to the bench and finishing the cut, the saw teeth will be slightly above your gauge line on the offside. Our tapered back saws are also made with thinner saw plates. The result is a fast-cutting, precise saw.



# SAWS



Carcass Saw

code: 600183

**The Carcass saw is used for precise cuts across the grain, cutting tenon shoulders, and defining the edges of a dado. It has 14 points per 25mm, filed crosscut, for cutting quickly, yet accurately and smoothly.**

The blade is 0.5mm (.020") thick, with a 0.07mm (.003") set. Overall length, including handle, is 480mm (19"), with usable blade dimensions of 350mm (14") long with a 57mm (2.1/4") depth of

cut. An ideal complement to the Dovetail saw again based on an English pattern of the 1830s.



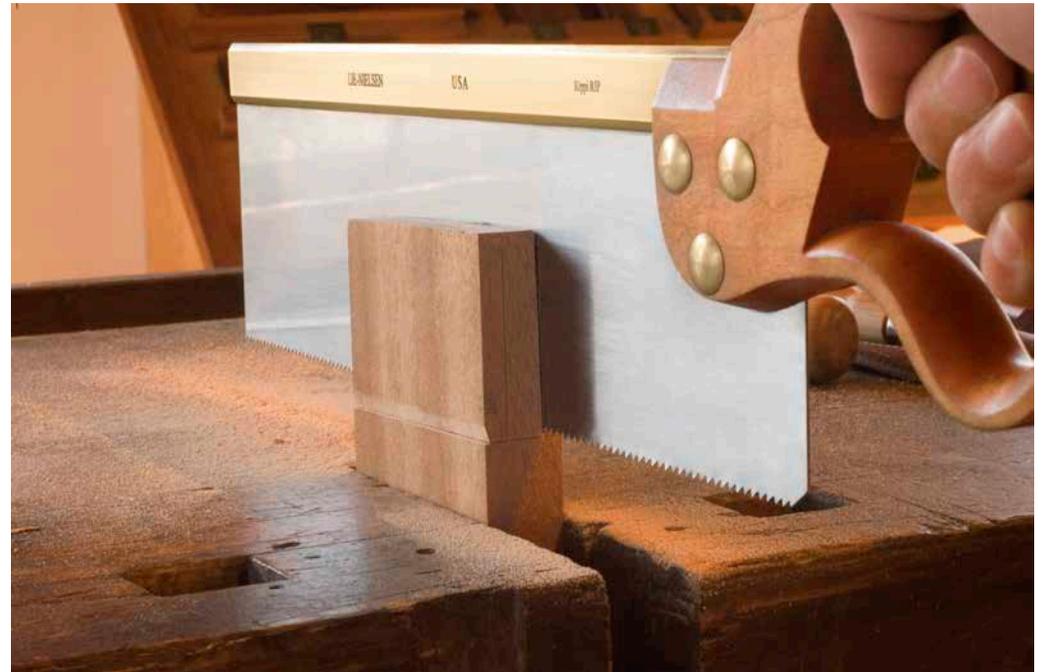
Rip Tenon Saw

code: 212480

**Lie-Nielsen tenon saws, based on a classic Disston, feature curly maple handles, fitted using traditional split nut screws.**

The all-important blades are high quality Swedish steel, hardened and tempered to HRC 52. This allows the blade to retain a keen edge yet remain sharpenable using a standard saw file. The solid brass back completes the ensemble giving you a well-balanced and smooth cutting saw that is a pure joy to use. Lie Nielsen takes great care to make sure their saw blades are sharp, testing each one before it leaves their workshop.

When you cut the cheeks of a tenon, you are cutting with the grain. In other words, you are ripping down the grain. It's not just tenons, cutting dovetails is also a ripping operation. Wherever you need to make a saw cut in the direction of the grain this saw does the job works much better as opposed to other saws, which are generally the crosscut type.



# SAWS



## Crosscut Panel Saw

When a full size handsaw is unwieldy or you need a greater depth of cut than a tenon saw, it's time to reach for the panel saw.

The Lie-Nielsen panel saw has a taper ground blade from 0.8mm to 0.66mm thick. The weight and balance are spot-on and the curly maple handle nicely shaped. The saws are available with either 8 or 12tpi crosscut or 7tpi rip cut. The blade is 500mm long, and the saw 615mm long overall.

	Code
500mm x 8tpi	212476
500mm x 12tpi	212477



## Rip Cut Panel Saw

code: 212478

When we think of a rip saw, we tend to imagine large barks of timber being sliced into thick boards. Quite often though, there is a need to trim a smaller piece of timber.

A rip panel saw is far less cumbersome than its full size cousin is. Whereas a rip handsaw would generally be toothed around 4.5tpi, the rip panel saw has a fine by comparison 7tpi. It's designed for thinner stock, such as cutting a panel down to the desired width, hence the name. The Lie Nielsen panel saw has a taper ground blade (0.8mm to 0.66mm) to prevent it binding in the cut. The blade has plenty of metal under the handle ensuring a lifetime of sharpening. The curly maple handle is beautifully shaped and both good to look at and comfortable in use. The blade is 500mm long, and the saw 615mm long overall.



### Saws not included



## Leather Cases for Lie-Nielsen Dovetail & Small Crosscut Saws

code: 100654

These super soft leather wallets are just the job for protecting your newly-acquired L-N Independence Saw.

The leather is both soft and very durable and there are two large press studs to keep the flap down. A smear of CP grease inside the wallet will prevent any possibility of corrosion forming on the blade of the saw. Provides protection for Lie-Nielsen Independence Saws

## ABOUT TAPERED SAWS

Lie-Nielsen have designed their three back saws with a slight tapering of the blade from toe to heel to give you better control over precise cuts - when holding the saw back parallel to the bench and finishing the cut, the saw teeth will be slightly above your gauge line on the offside. Then you can saw accurately to the line. Our tapered back saws are also made with thinner saw plates. The result is a fast-cutting, precise saw.



## Tapered Tenon Saw

code: 506420



## Tapered Crosscut Saw

code: 506421



## Tapered Dovetail Saw

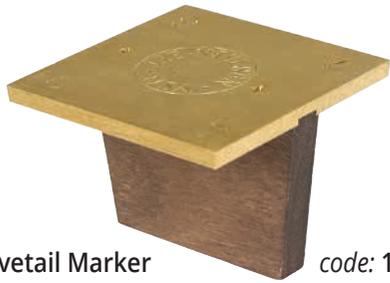
code: 506422

The three most popular back saws from Lie-Nielsen now feature a slight tapering of the blade from toe to heel. This taper gives you better control over precise cuts.

When you reach the gauge line on the front of your timber, the blade is slightly above the line on the back side, which reduces the risk of sawing past your line. You may find that when holding the saw back parallel to the bench the teeth will give an upward angled cut enabling faster cuts with less effort. With less material at the toe of the blade the point of balance is moved back improving the handling of the saw. This saw is pure joy to use.

The Lie-Nielsen Tapered Tenon Saw is similar to the standard 16" tenon saw but with a 3/8" taper along the length of the blade. The cutting depth is 3" at the toe and 3.3/8" at the heel. The saw plate is 0.020" thick. Teeth are filed rip cut, 10tpi, set at 0.004" per side. Overall length, including handle, is 21.1/4", with a blade length of 16". Overall height is 7".

# MEASURING & MARKING



**Dovetail Marker** code: 100892

**Accurate layout makes dovetailing much easier.**

This Dovetail Marker is just the right tool to lay-out dovetails quickly and accurately. A combination of brass and Cocobolo, it is 45mm square and 25mm deep. The 1:6 slope for softwood; the 1:7 for hardwood.



# DOWEL PLATES



**Dowel Plates** code: 421066

**The right tool to choose if you wish to make exact sized dowels from any solid timber.**

The dowel plate is a rectangle 130mm(5.1/8") x 38mm(1.1/2"), 6.3mm(1/4") thick of surface ground A-2 cryogenically treated tool steel, a very humble looking but nonetheless a very precise tool. The holes are machined with a 6° clearance on the underside but are straight for the first 0.025". The tool can be sharpened many times without any change in the size of the holes, but quite frankly at 60 Rockwell it is doubtful whether it will ever need sharpening. Metric plate to cut 3mm, 4mm, 6mm, 8mm, 10mm, 12mm and 16mm dowels.



# SCREWDRIVERS & COUNTERSINKS



**Tool Specific Screwdrivers**

**These screwdrivers modelled on old fashioned gunsmith's screwdrivers are made to fit specific screw slots on the tools. (They may well be useful for similar tasks on other makes of tool as well).**

The carefully machined tips are correctly sized to fit the screw slots giving good power and control, thus minimising slippage and risking damage to the screw head or tool. The Chipbreaker and frog adjustment screwdriver are particularly useful. Blades are hardened 416 Stainless Steel, except for the Split Nut Driver, which is 4140 tool steel. Each screwdriver is fitted with a curly maple handle and the brass ferrules are numbered for easy identification. Each screwdriver sold separately.

	Code
Nicker (1)	202234
Split Nut for Saw (2)	202235
Tenon Saw Nut (3)	202236
Chipbreaker Screw (4)	202242
Handle Nut/Cap Screw (5)	202238
Small Handle Nut/140 (6)	202239
Frog Adjuster (7)	202240
Handle Toe Screw (8)	202241



**Honing Guide Screwdriver** code: 101897

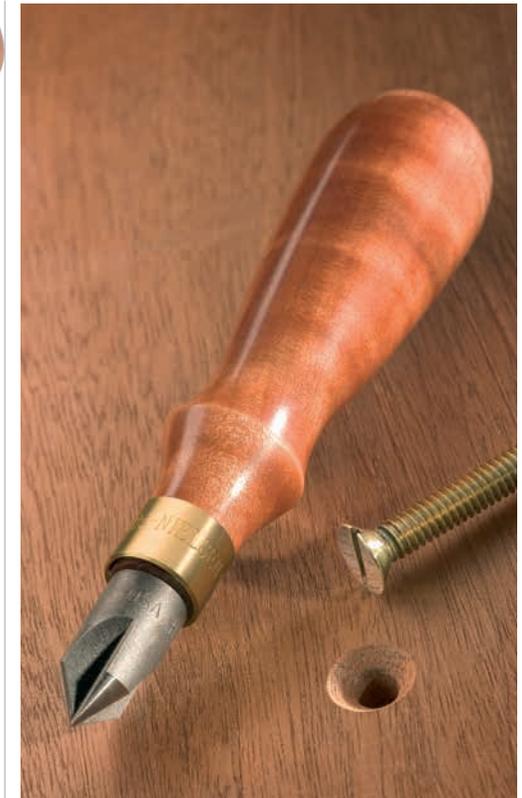
**With its blade of hardened 416 stainless steel and a curly maple handle, this screwdriver minimises slippage and the risk of damaging the screw head or honing guide.**

The carefully machined tip is the specific size for the screw head. Modelled on the old fashioned gunsmith's screwdriver, it precisely fits the screws of the Lie-Nielsen honing guide.

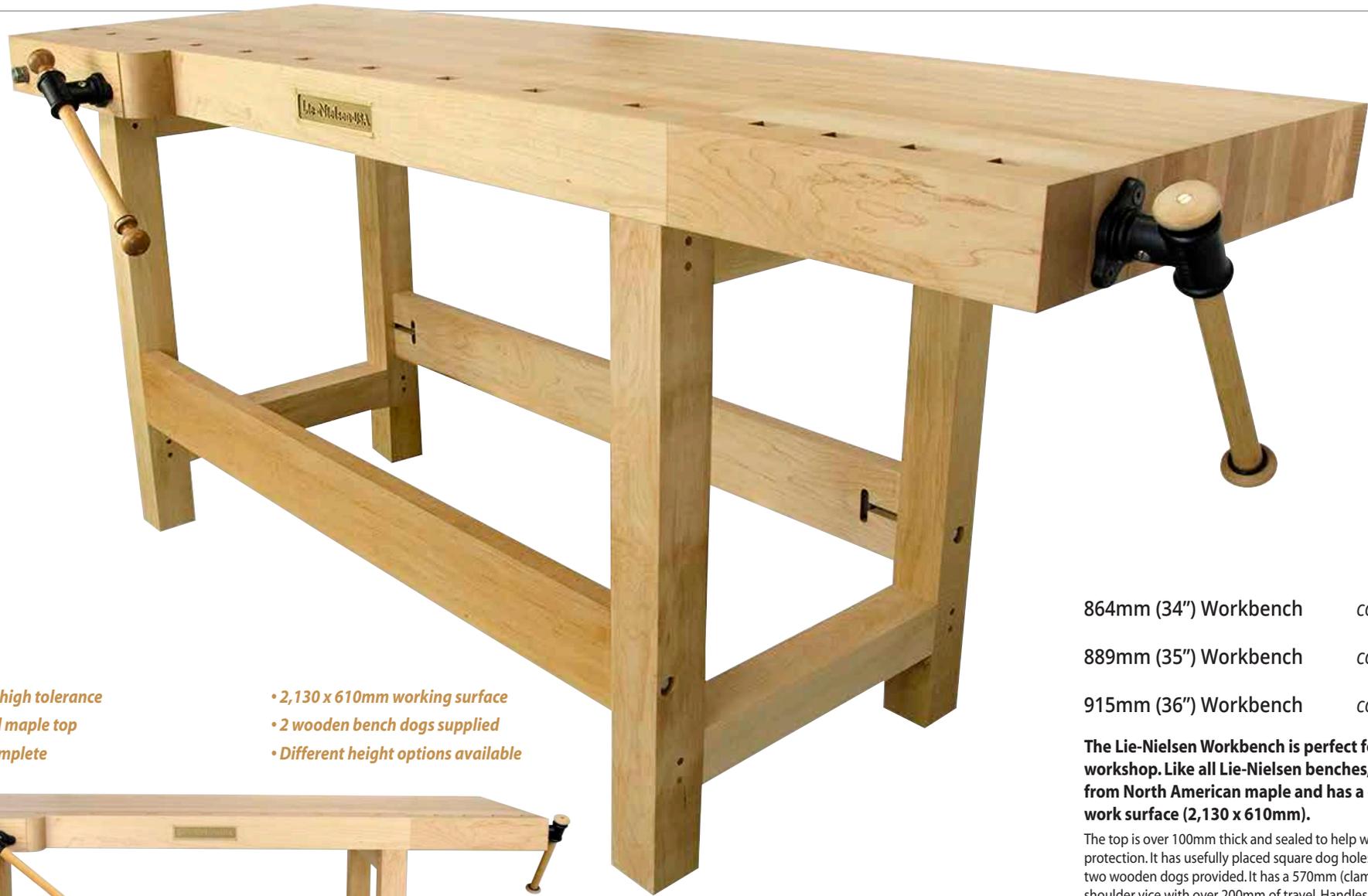


**Hand Countersink** code: 202213

A good looking, handy chamfering tool with an 82° countersink, set into a curly maple handle with solid brass ferrule.



# WORKBENCH



- Machined tops to high tolerance
- 4" thick solid hard maple top
- Benches arrive complete

- 2,130 x 610mm working surface
- 2 wooden bench dogs supplied
- Different height options available



864mm (34") Workbench *code: 717547*

889mm (35") Workbench *code: 504972*

915mm (36") Workbench *code: 717548*

**The Lie-Nielsen Workbench is perfect for any workshop. Like all Lie-Nielsen benches, it is made from North American maple and has a generous work surface (2,130 x 610mm).**

The top is over 100mm thick and sealed to help with wear and for protection. It has usefully placed square dog holes to receive the two wooden dogs provided. It has a 570mm (clamping surface) shoulder vice with over 200mm of travel. Handles can be mounted on either side of the vice making clamping easy and secure. The trestle legs are 75mm(3") square and are designed to run flush with the bench. Each bench comes at a standard 889mm (35") working height.

*These benches will be assembled prior to delivery and then delivered by our own transport. Due to the weight of these benches the delivery driver will require some assistance. Please expect a 2-3 week delivery period. Collection from any of our stores is also available with prior arrangement.*