



Instructions

Drainer / Hot-Rod Groove Jig

Technical Support Helpline - 0191 2597876

Instruction video available at www.worktopjigs.com

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This jig has been developed by one of Europe's leading jig manufacturers.

It has been designed to aid and assist a carpenter to route sloping drainage grooves (of approximately 450 mm in length) in a natural wood or stone worktop, such as might be used with a Belfast sink.

In addition, it is possible to rout mounting grooves for hot rods of up to 460mm in length.

A fast and accurate process. Cuts out the need for measuring – just line up the jig on the worktop and clamp into place.

For use with any wood worktop, and can be used on stone when using the correct routing tools.

CONTENTS

1 x Jig
2 x Sloping side pieces
6 x Screws

OTHER EQUIPMENT REQUIRED BUT NOT SUPPLIED

Electric Router

30mm Guide Bush

10mm Diameter Ball nosed router cutter for Drainage Grooves –
Quote: 23724-94

6mm Radius (12mm Diameter) Tungsten Carbide Ball nosed cutter for
Hot Rods

HEALTH AND SAFETY

1. Always ensure the worktop is supported properly.
2. Always ensure that the path of the router is clear of any obstacles
3. Always ensure that the cable of the router is clear of the jig and is sufficient length.
4. Always wear protective goggles when cutting.
5. Do not switch router on with the cutter touching the work piece.
6. Read the routers instruction manual if there are any doubts on the correct operation.

DURING CUTTING

1. Never try to cut more than 10mm depth on one cut
2. Always work in a clockwise direction when cutting.
3. Do not force the router too fast. This can damage expensive router bits.
4. Never remove the router from the jig whilst it is in motion.
Always allow router to stop and switch off before removing.

If routing for a long period of time, we advise that ear protection is worn.

INSTRUCTIONS

ASSEMBLING THE JIG

Push the screws through the holes on the face of the jig and tighten into holes on the side pieces, using a suitable hex key.

These will set the height and angle of the slope.

The angle is set at 1°.

The finished depth of the groove at the edge of the worktop next to the sink will be approximately 7mm.

SETTING UP THE JIG FOR DRAINER GROOVES

The actual operation on the jig needs very little explanation.

Position the assembled jig on the section of worktop that you wish to rout.

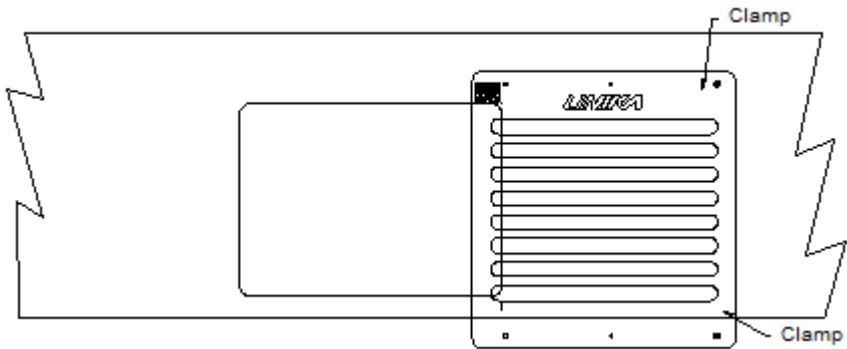
Line up the edge of the worktop (as the recess for the sink) with the lines on the jig.

Position it carefully so that it is square.

Clamp the jig to the worktop. Position the clamps at the top or at the bottom edges of the jig only.

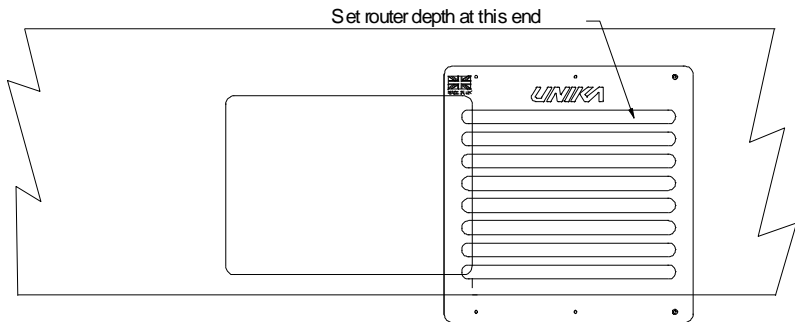
The jig is designed to allow the router cutter to pass through the edge of the worktop. When the drainer is in use, it will allow fluid to drain into the sink.

Clamp the jig securely to the worktop ensuring that the clamps will not obstruct the path of the router.



SETTING THE DEPTH

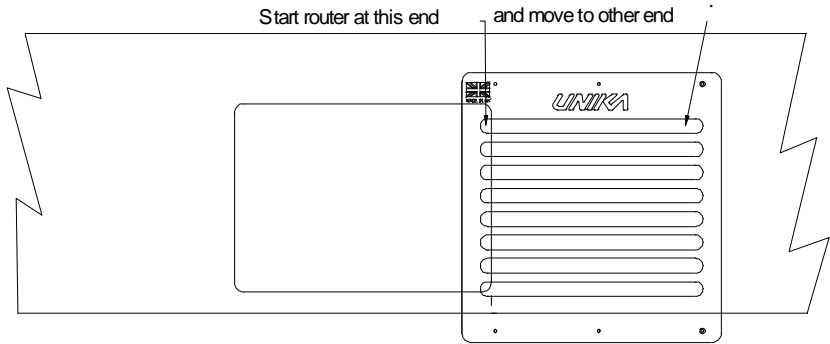
Set the router so that the cutter sits just above the worktop when the router is at the top end on one of the slots.



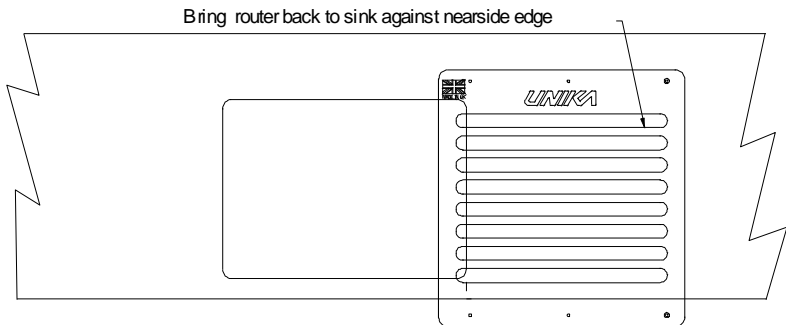
Start the router from the sink aperture end.

In the example shown we are working on the right hand side of the sink aperture.

Position the router in the first slot. Firmly, push against the far edge of the slot and slowly bring the router up the length of the jig.



Bring the router back in the opposite direction but this time pulling against the nearside edge of the slot. Ensure that the router cutter passes out of the wood at the sink end.



Now proceed to rout the other grooves, always working in the same order and direction and pushing against the far edge of the slot first.

Repeat this operation for each slot in the jig. This jig will give you a slot length of 430mm.

The Jig slopes at an angle of 1° .

This will give a maximum groove depth of 7mm at the deepest point.

When routing is complete, remove any rough edges with a fine grade sandpaper.

Finish and seal the worktop with an appropriate sealer always following the manufacturers instructions.

HOT ROD INSTRUCTIONS

To rout grooves to fit hot rods of up to 460mm in length, simply flip the jig over, detach the rails and position the jig in the desired position.

Use a 6mm radius (12mm diameter) Round or Radius Cutter.

The Hot Rods are 12mm in diameter and generally it is desirable to recess the rods into the worktop by approximately one third to one half of their diameter.

It is possible to fit rods of varying length by stopping the router before the end of the slot. To do this you will need to place the router on the far left side of the slot, where the cut is to begin. Put a clear pencil mark on the jig where the right hand side of the router base comes to. Remove the router and measure from the pencil line, to the right, the length of the hot rod minus the diameter of the cutter(See diagram below). For example, for a 200mm rod put the second mark 188mm to the right of the first mark ($200 - 12\text{mm}$ (diameter of cutter)). When routing, the router should be stopped when the base meets the second pencil line (it may be possible to clamp a baton at the second pencil mark which would make it easier to stop the router). Care should be taken when attempting cuts such as this and it is advisable to test routing on off cuts beforehand.

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LINKS

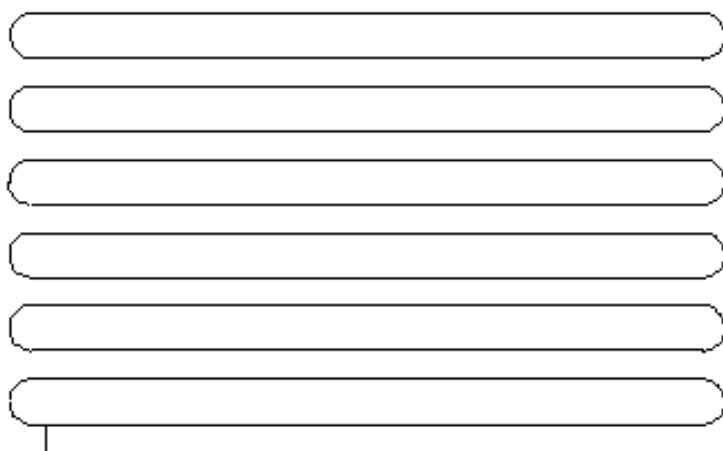
PENCIL LINE 1

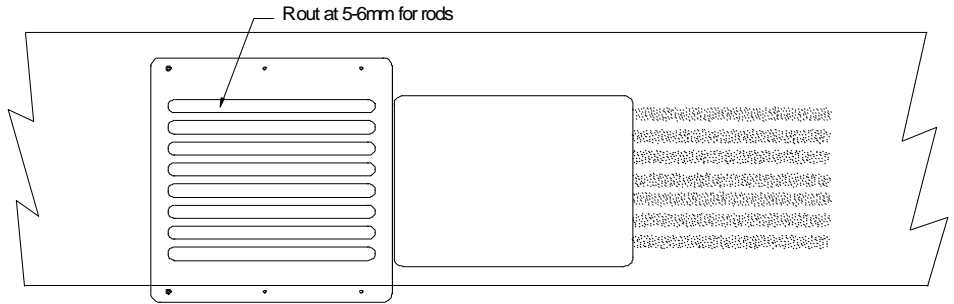
PENCIL LINE 2
STOP ROUTING WHEN LEADING

ROUTER BASE LEADING EDGE

EDGE OF ROUTER BASE REACHES
THIS POINT.

ROUTER BASE START POINT





Set the depth of your router to 5 – 6mm and test the depth of the router on a spare piece of material first and fit the Hot Rods to see if this is how you want your worktop with Hot Rods to look.

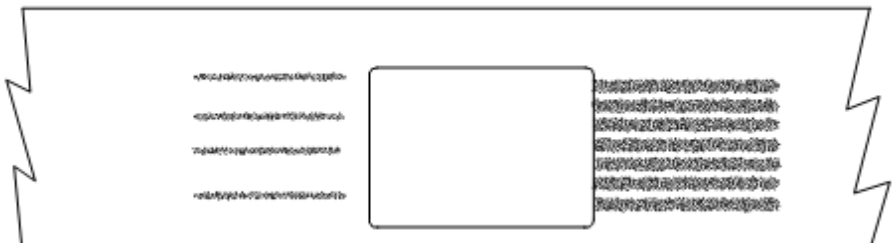
Once the position is decided, clamp the jig very securely to the worktop.

Position the router in one of the chosen grooves.

Push the router against the rear edge of the slot.

Rout only in one direction, do not rout back in the opposite direction.

When routing is complete, remove any rough edges with a fine grade sandpaper.



Fix the stainless steel Hot Rods in place using a suitable adhesive. Always refer to the manufacturers instruction before and during use.

Finish and seal the worktop with an appropriate sealer always following the manufacturers instructions.

Notes and Drawings



Worktop Installation Essentials

Unika ColorFill is the first sealant to be designed specifically for the installation of mitred worktop joints.

ColorFill performs three tasks: It bonds the joint together, it seals the joint against water and domestic detergents and it is exactly colour matched to the worktop so making the finished joint almost invisible.

In addition to joints ColorFill will repair scratches and chips in laminate and melamine surfaces.

Find your ColorFill now at www.colorfill.co.uk



ColorFill Solid Surface Adhesive is a revolutionary two component Methyl Methacrylate which will provide a colour matched seamless look for Solid Surface Worktops.

It can be used on Solid Surface and Composite Worktops made from Acrylic and Acrylic and Polyester blends for example – Corian, HI-MAC'S, Slab Tech, Earthstone, Avonite

EasiBolt will join two mitred worktops together

The Easibolt holder will keep the bolt in place on the underside of the worktop and leave both hands free for tightening or levelling

EasiBolt is a patented product



TopSeal is a Colour matched Backsplash and Upstand Sealant. High Strength/Waterproof/Flexible It Bonds and Seals at the same time.

TopSeal adheres to all surfaces Granite, Quartz, Laminate, Stainless Steel, Glass and many others.

TopSeal is an excellent gap filler and has little shrinkage. Waterproof and flexible once cured.

10 – 15 minutes open time Excellent bond strength. Use to secure Upstands and Backsplashes in place.

MitrePen is a quick and strong system for joining cornice, pelmet and plinth.

MitrePen is an environmentally friendly, precision marker that prevents the staining caused by overspray.

MitrePen is quick and clean and sets in 10 seconds

Use on: Cornice & Profile Mitre Joints, Melamine end strips, door trims, picture frames, mdf, skirting joints etc.



Gloss Surface Cleaner is a ready to use foam cleaner produces a smear free finish on gloss cupboard doors specially designed to remove dust, light dirt and water marks.

Use on glass, mirrors and chrome surfaces. Cleans and polishes in one easy application.

Professional grade cleaner that will reduce the rate of static pick up on a surface and so reduce the dust build up.

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