



Instructions

DIY Worktop Jig

Technical Support Helpline - 0191 2597876

Instruction video available at www.worktopjigs.com

This jig can be used to fit 90° corners for worktop widths 300, 400, 500, 600, 616 and 620mm.

A 30mm guide bush and a ½" (12.7mm) straight router cutter with a 50mm cutting length are required *no other combination of cutter and guide bush will work satisfactorily.*

It is important that the router is always moved left to right.

The cutter must always enter the worktop through the postformed edge, except, of course, for bolt holes. All diagrams have been made showing this set up.

Do not plunge the router more than 10mm at a time or use blunt tools.

Ensure the guide bush is firmly attached to the router base plate.

Ensure that all pegs are pushed fully into the selected holes so that the head of the pegs do not sit proud and so interfere with the action of the router. **Note: peg holes that are not counter bored to accept the head of the peg are not meant to be used with the jig that way up.**

When using the centre slot, always use the side of the slot nearest to you first for the waste removal, with the final pass being performed against the side of the slot furthest from you to finish the cut.

When the jig is positioned it must be clamped in place using two "G" clamps.

Before cutting check to ensure that all pegs are still tight against the worktop edge (some clamps when tightened can cause the jig to creep out of position).

Take care to ensure that the router cutter remains perpendicular when performing all cuts.

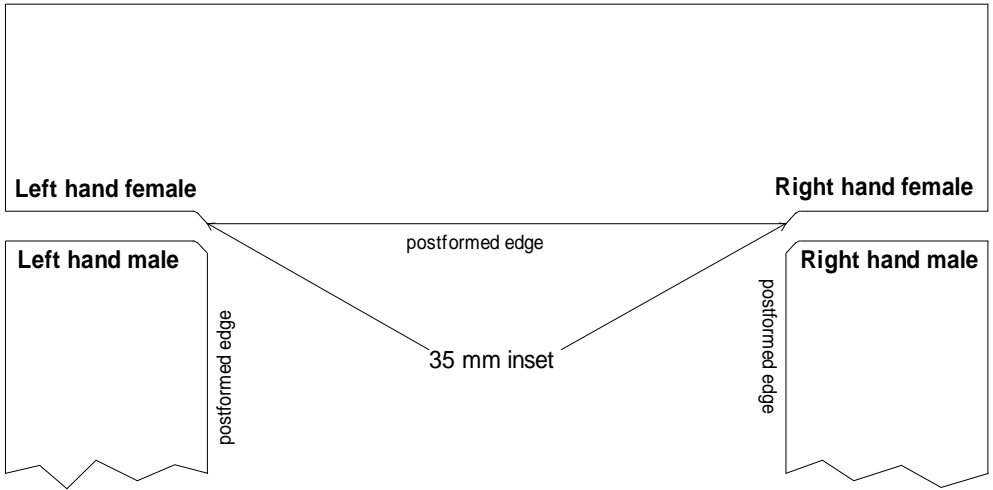
Please observe all relevant safety requirements for the use of routers.

Before starting please take some time to read through these instructions carefully.

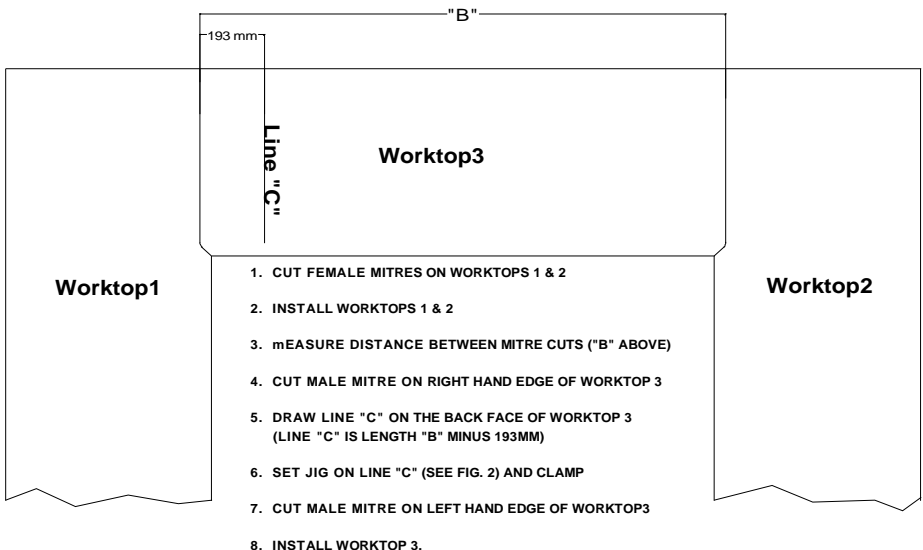
Safety first

- Make sure all cables are clear of the router.
- Make sure the work piece is correctly supported
- Always use protective glasses when using the router.
- Do not start the router whilst the blade is in contact with the work piece.
- Never remove the router from the jig whilst it is still moving.
- Make sure there are no obstructions in the way of the router.

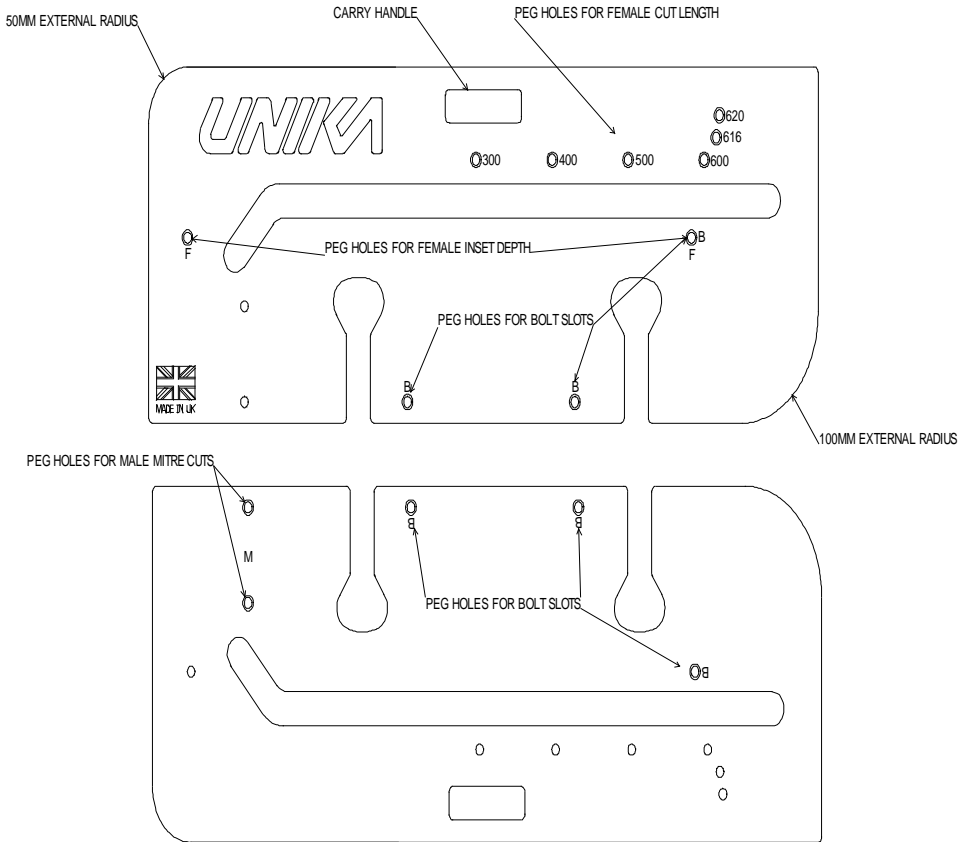
SUGGESTED LAYOUTS



The construction shown above is the easiest to fit and should be used if possible. Another layout is shown below but this requires careful measurement and recovery from error measurement and cutting "worktop 3" is limited.



USING THE JIG AND THE HOLES EXPLAINED



FEMALE MITRE SET UP

FIG.1

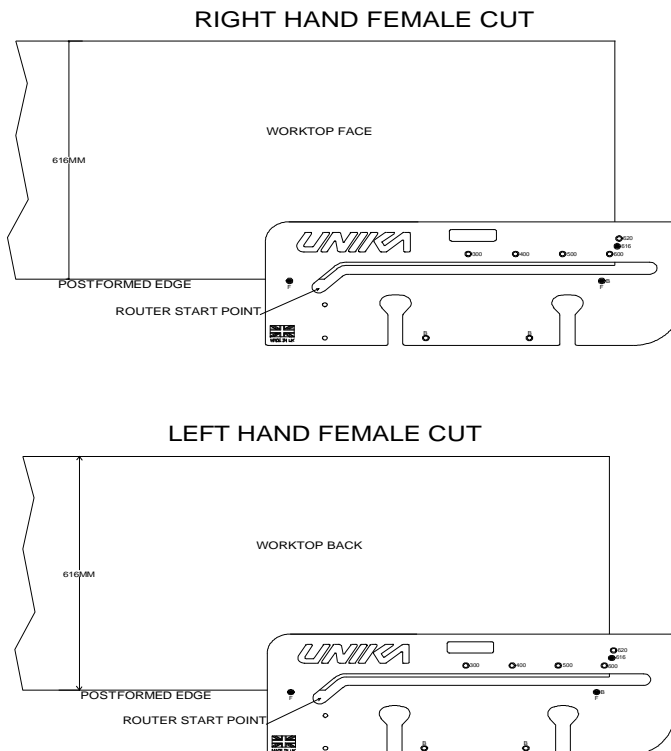


Fig. 1 shows the female mitre set-up for a 616mm wide worktop, for other work top widths the peg used to set the cut length should be changed.

Set the jig on the worktop as shown. Clamp firmly in place with G-clamps. Position the router in the extreme bottom left-hand point of the centre slot. Set the cutting depth to no more than 10 mm.

Start the router and move steadily along the centre slot, always moving left to right, and using the side of the slot nearest to you to guide the router.

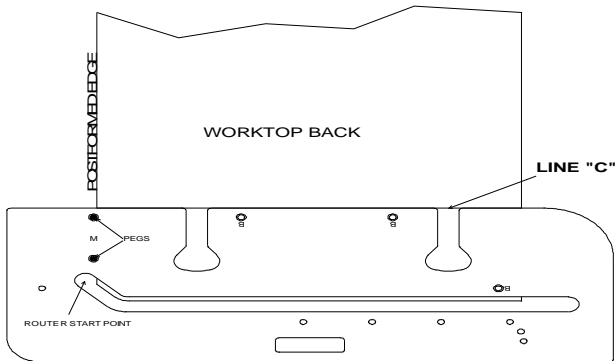
Repeat this process increasing the depth of cut by no more than 10mm for each pass until the post formed edge (waste) has been removed.

With the router set to maximum depth, use the side of the slot **furthest** from you to guide the router and make one final pass to remove approximately 1mm of worktop leaving a perfect cut edge.

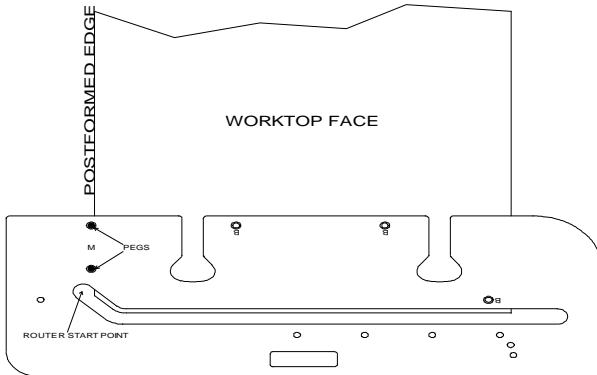
Switch off the router at the end of each pass and do not remove from the jig until the blade has stopped turning to avoid damaging the jig.

MALE MITRE SET UP

RIGHT HAND MALE CUT



LEFT HAND MALE CUT



Set the jig onto the worktop as shown and clamp firmly in place. Again, always starting the router from the extreme left of the slot, use the side of the slot nearest to you setting the plunge depth to no more than 10mm per pass, remove the waste.

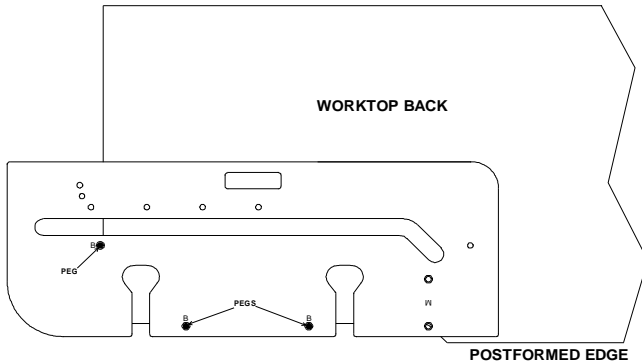
As with the female cuts once the waste has been removed make one final pass with the router fully plunged using the side of the slot furthest from you to finish the cut.

Note: These instructions set up the jig to cut 90° corners. If you wish to allow for slightly out of square walls, remove one of the pegs and adjust the angle of the jig against the post formed edge.

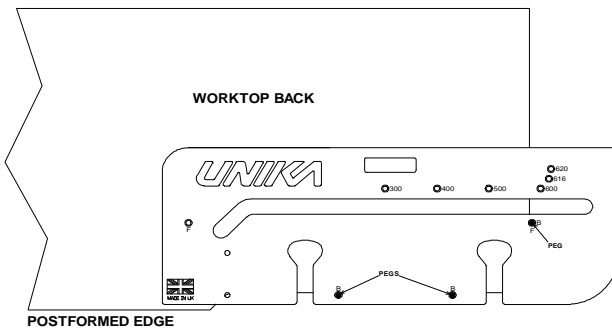
You should be fully conversant with the usual functions of the jig before attempting this type of adjustment.

FEMALE BOLT SLOT SET UP

BOLT SLOTS RIGHT HAND FEMALE



BOLT SLOTS LEFT HAND FEMALE



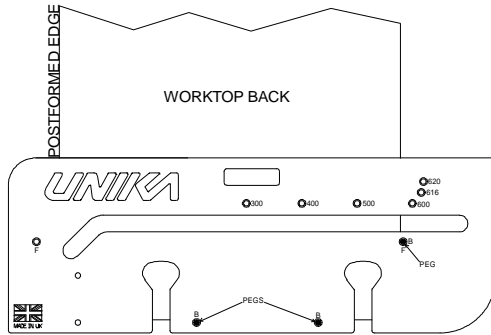
With the worktop face down set the jig in place (jig face up for left hand female bolt slots and jig face down for right hand female bolt slots). Once the pegs are butted up to the edges of the worktop clamp the jig in place using two G clamps, checking the jig has not moved after tightening.

Set the depth of the router to NO MORE than three quarters of the thickness of the worktop and make sure this will accommodate the Easibolt you are using.

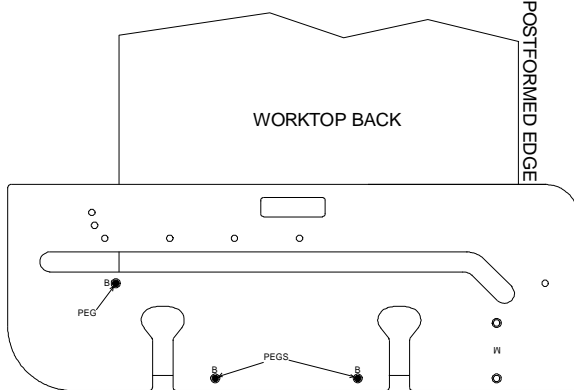
Once set up, router out the bolt slots, moving the router around the “mushroom” shapes in a clockwise direction until all of the waste has been removed.

MALE BOLT SLOT SET UP

BOLT SLOTS RIGHT HAND MALE



BOLT SLOTS LEFT HAND MALE



Again with the worktop face down set the jig in place (jig face up for right hand male bolt slots and jig face down for left hand male bolt slots). Clamp the jig in place as before and repeat the routing procedure described on the previous page.

COMPLETING THE JOINT

Once the cuts are finished and the worktops trimmed to fit they should be placed on top of the pre levelled cabinets that will support them.

ColorFill should be used in the joint in order to seal the joint and as it is colour matched to the specific worktop it helps to make the joint more inconspicuous. **(See ColorFill tube for instructions on use)**

Once the ColorFill has been applied the worktops should be quickly brought together and **Easibolts** tightened into the joining bolt slots from the underside.

Troubleshooting Guide

Problem	Probable Cause	Remedy
Poor finish on male/female joint faces	Incomplete routing process.	Ensure final stroke against <i>far</i> edge of centre slot is performed.
Sharp angle near post-form edge on male/female	Incomplete routing process	Ensure final stroke against <i>far</i> edge is performed.
Good finish but male & female don't match up	Incorrect size of cutter and/or guide bush.	Ensure 12.7mm cutter and 30mm guide bush - <i>nothing else is suitable.</i>
Inconsistent results -wandering edges.	Loose guide bush.	Ensure guide bush is firmly attached to the router base
Irregular gaps on RH male and/or LH female face.	Poor router control	Ensure the cutter remains absolutely perpendicular on these cuts.

Notes and Measurements

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 an surface and so reduce the dust build up.

UNIKA COLOR PRODUCTS LTD
Unika House, New York Way, New York Industrial Park,
Newcastle upon Tyne, U.K. NE27 0QF

