

This jig can be used to fit 90° corners for worktop widths ranging from 400mm up to 1000mm and is also set up for a 45° corner.

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.

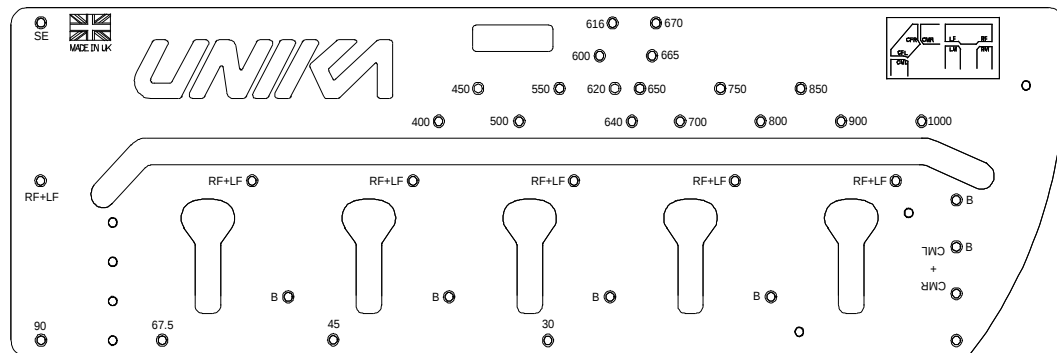
When the jig is positioned it must be clamped in place using two "G" clamps.

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).

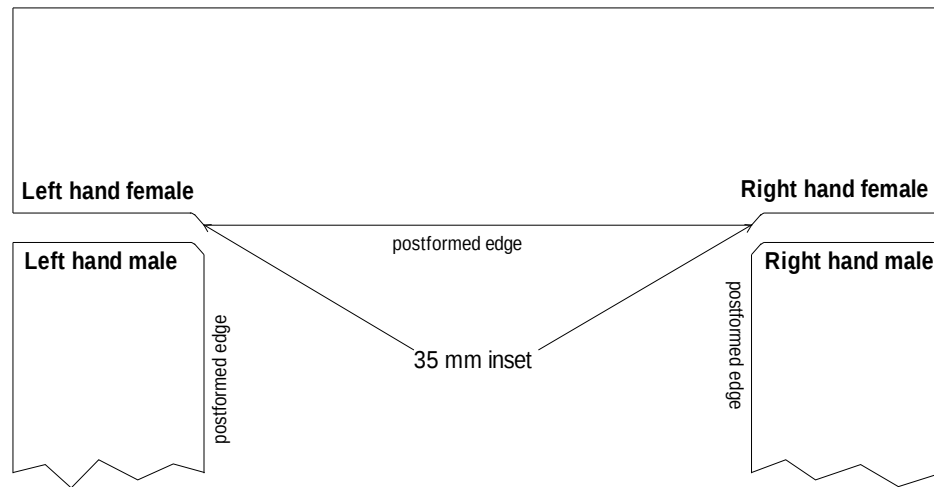
Take care to ensure that the router cutter remains perpendicular when performing all cuts.

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

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

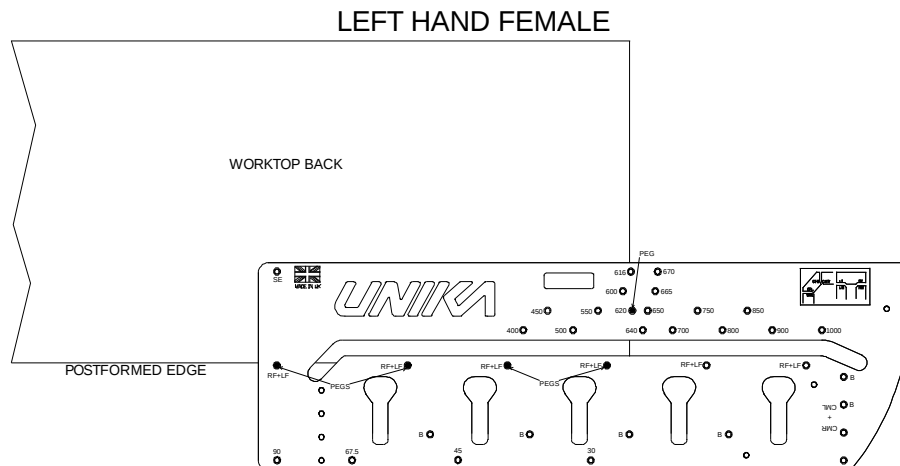
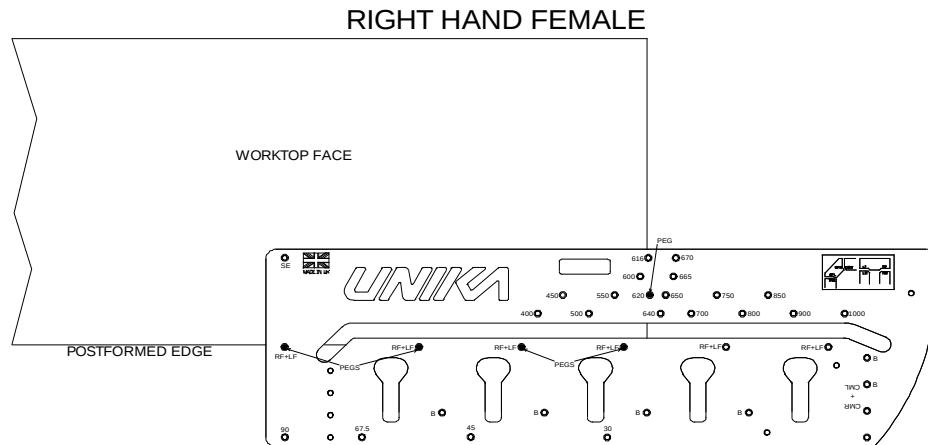


Suggested Layouts



The construction shown above is the easiest to fit and should be used if possible. Alternative layouts are shown on pages 11 and 12 of these instructions.

FEMALE MITRE SET UP

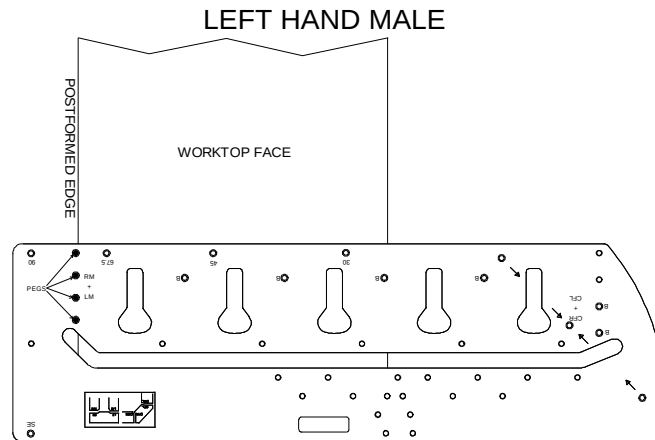
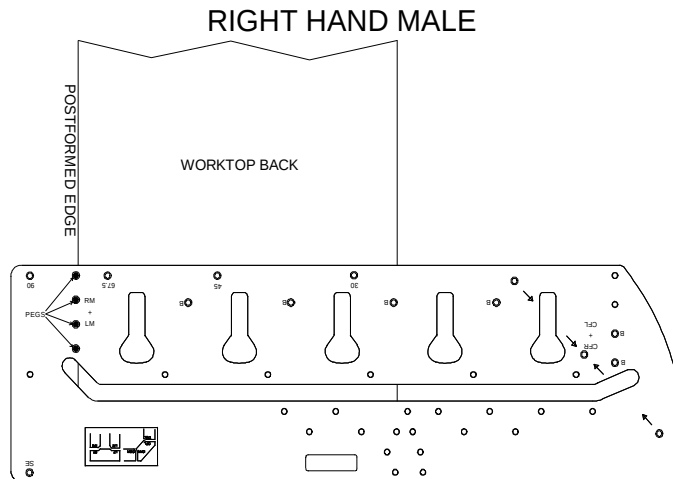


The diagrams above show the female mitre set-up for a 620mm wide worktop, for other work top widths the peg used to set the cut length should be changed.

- 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 that 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



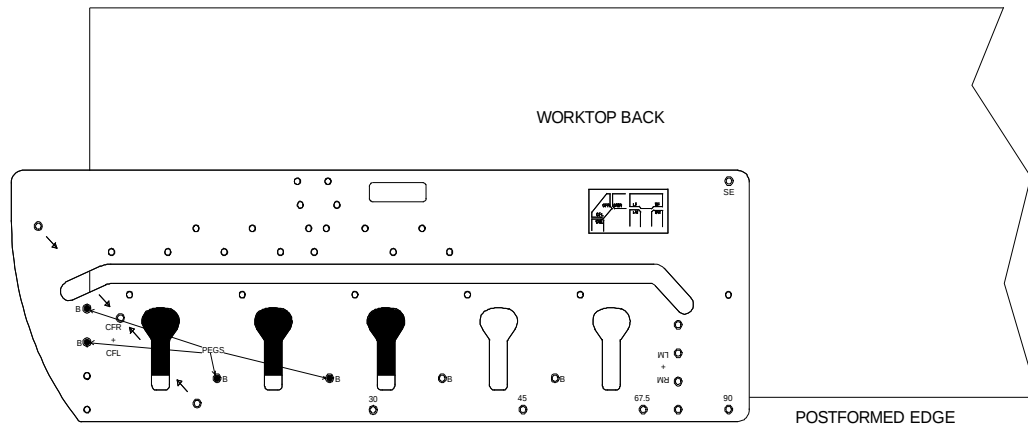
Set the jig onto the worktop as shown and clamp firmly in place. Again, always starting the router from the extreme left of the slot, use the side of the slot nearest to you setting the plunge depth to no more than 10mm per pass, remove the waste.

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.

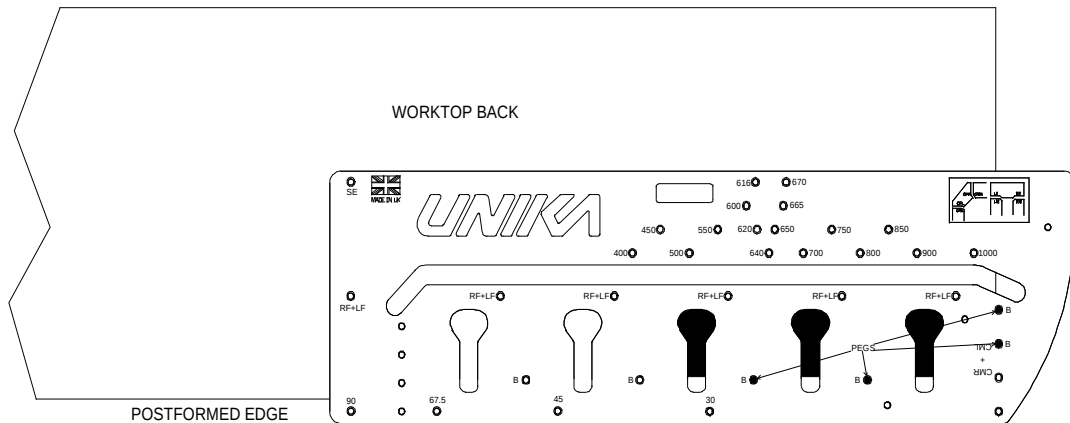
Note: These instructions set up the jig to cut 90° corners. If you wish to allow for slightly out of square walls, remove one or more of the pegs and adjust the angle of the jig against the post formed edge. **You should be fully conversant with the usual functions of the jig before attempting this type of adjustment.**

FEMALE BOLT SLOT SET UP

RIGHT HAND FEMALE BOLT SLOTS



LEFT HAND FEMALE BOLT SLOTS



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.

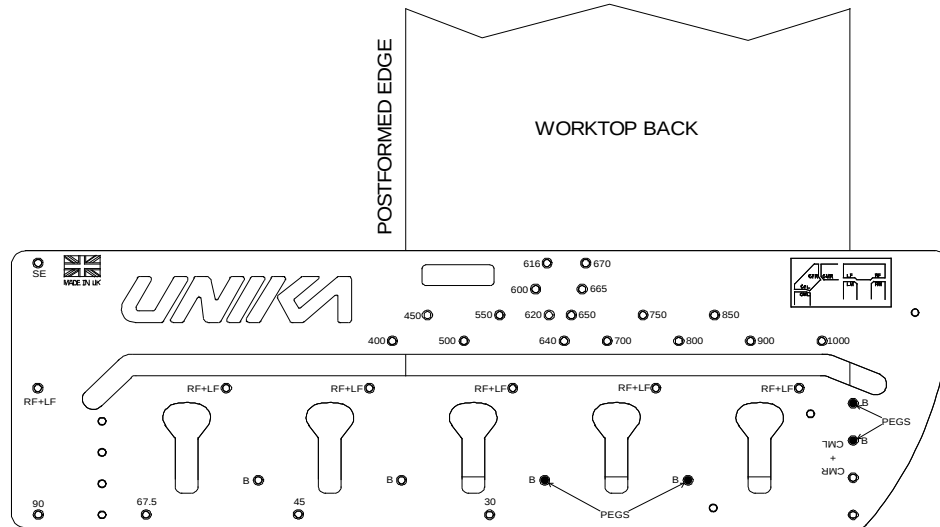
Set the depth of the router to NO MORE than three quarters of the thickness of the worktop and make sure this will accommodate the Easi-bolt you are using.

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.

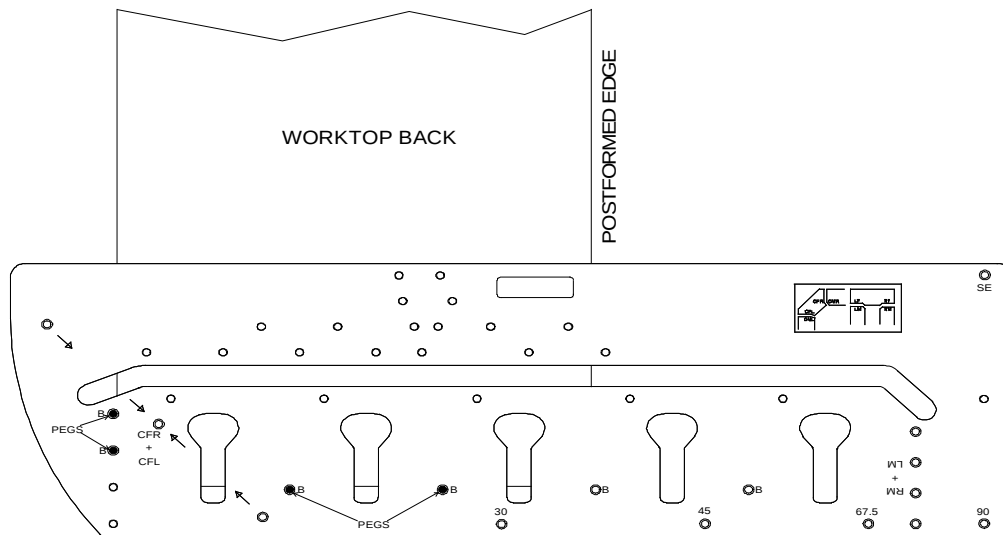
Depending on the width of the worktop care should be taken so as not to router a bolt slot into the postformed edge.

MALE BOLT SLOT SET UP

RIGHT HAND MALE BOLT SLOTS



LEFT HAND MALE BOLT SLOTS



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.

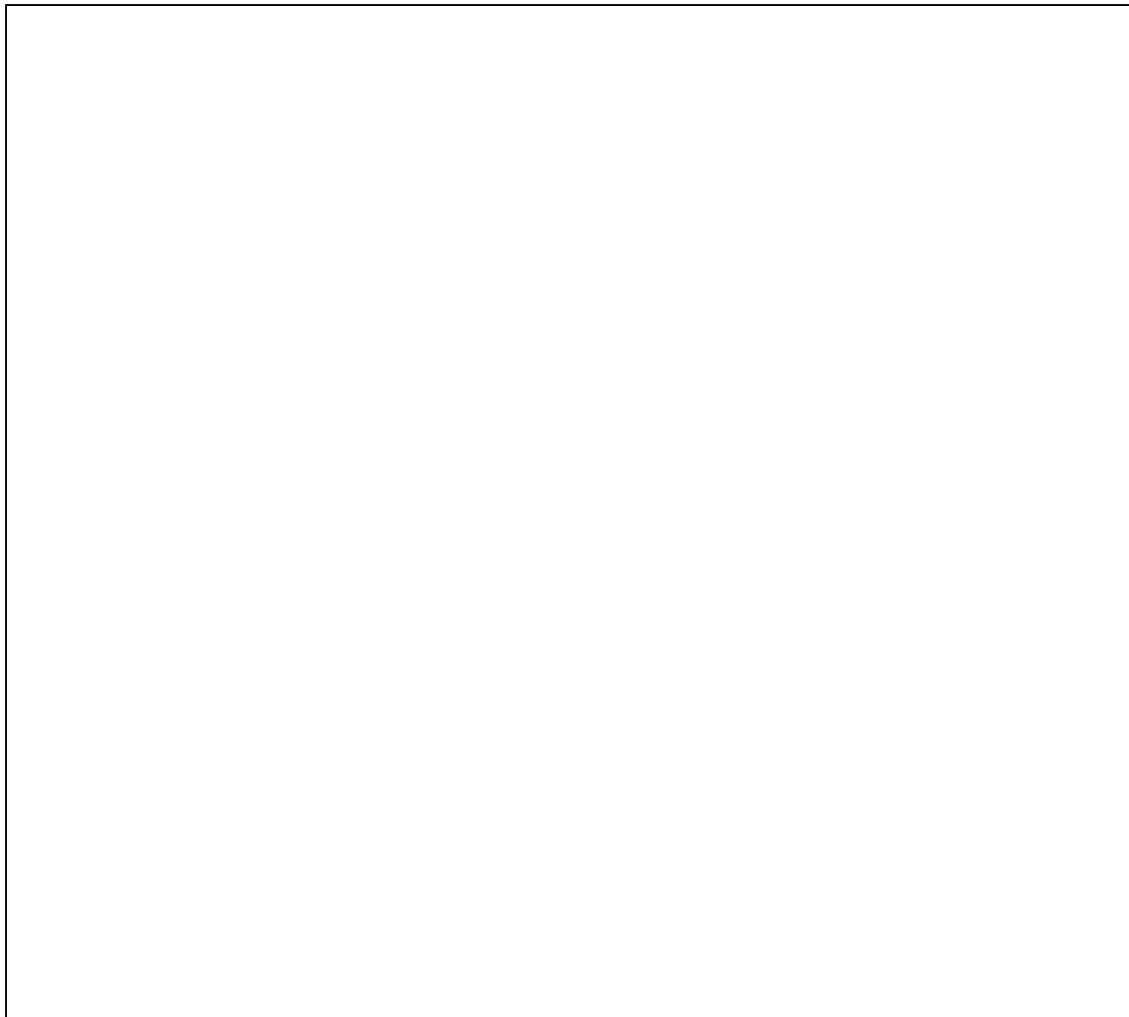
COMPLETING THE JOINT

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.

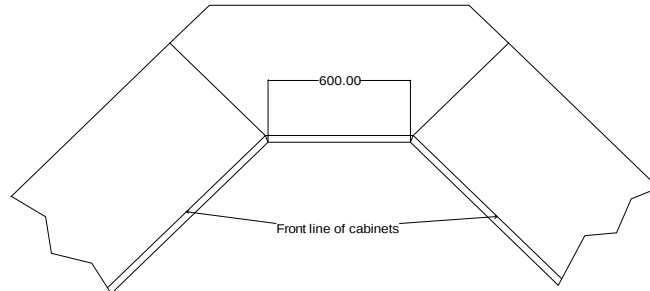
Colorfill should be used in the joint in order to seal the joint and as it is colour matched to the specific worktop it helps to make the joint more inconspicuous. **(See Colorfill tube for instructions on use)**

Once the Colorfill has been applied the worktops should be quickly brought together and **Easi-bolts** tightened into the joining bolt slots from the underside.

Notes and Measurements

A large empty rectangular box with a thin black border, intended for handwritten notes and measurements.

45° CORNER JOINTS



Corner Set-up

The dimensions shown in the drawings below are based on a variable worktop width and will produce a corner section suitable for a 600 mm unit.

Female Joints (45°)

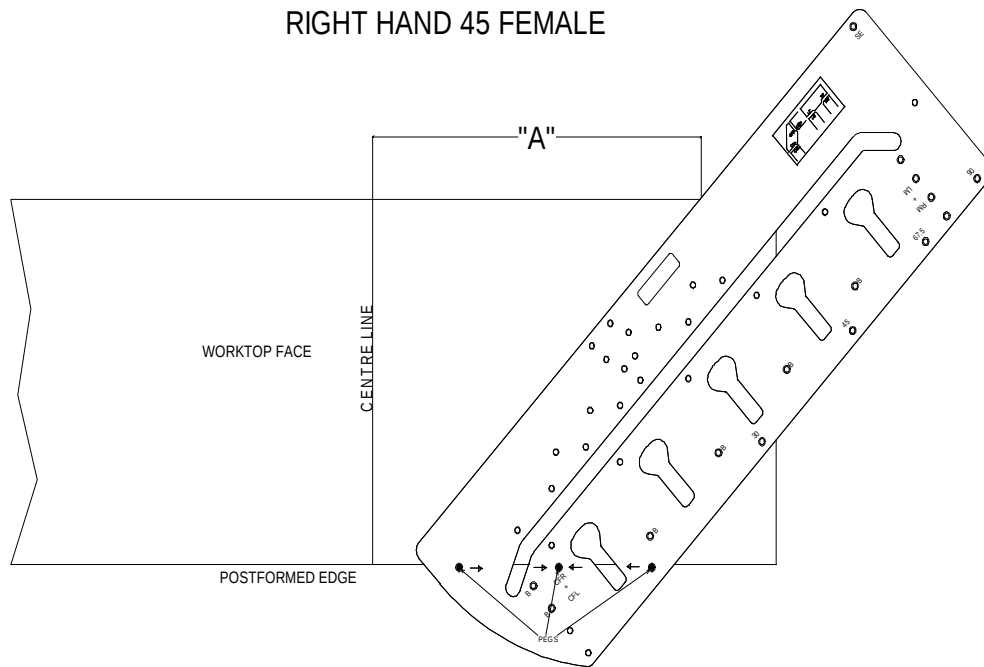
Place the worktop corner piece face-up and mark the centre line of the corner piece. Next refer to table 1, below, and depending on the width of your worktop put a pencil mark on the worktop to the right of the centre line by the corresponding distance (shown in the diagrams as "A") Turn the worktop over and mark the centre line in exactly the same position as the top face. Again mark a line parallel to the centre line of the corresponding dimension from the table, to the right.

<u>Worktop width</u>	<u>Distance from centre line "A"</u>
600mm	659mm
616mm	675mm
620mm	679mm
650mm	709mm

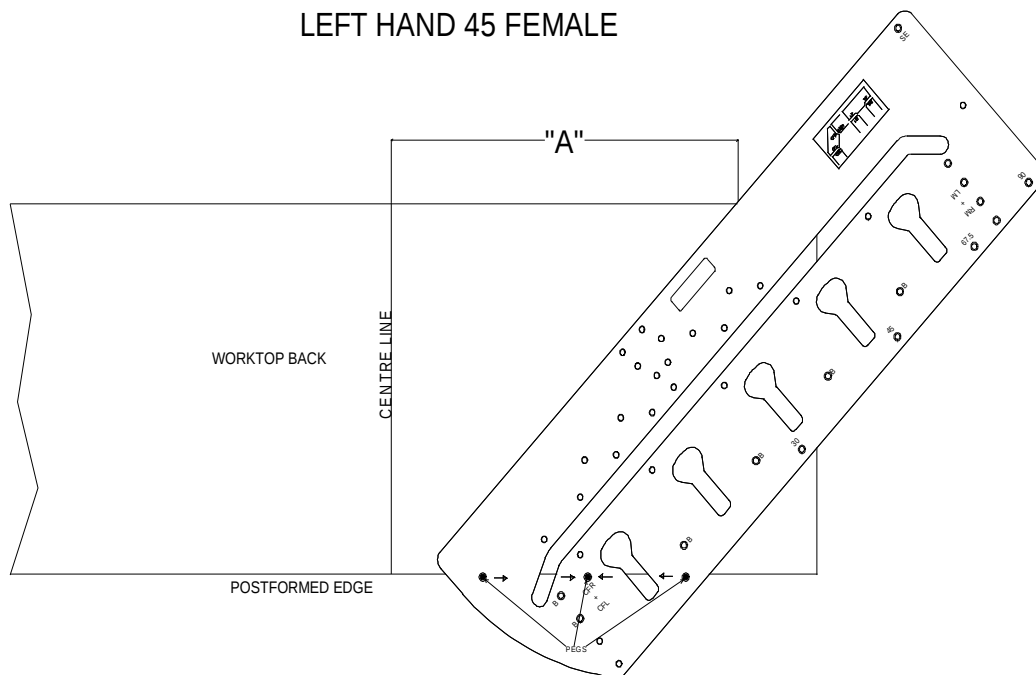
The jig should be set up as shown in the diagrams below with the worktop face up for the right hand female and face down for the left hand female. In both cases the pegs are lined up with the front edge of the worktop and the long straight edge of the jig should line up against the line marked on the worktop, dimension "A" to the right of the centre line.

Once lined up the jig should be clamped in place with at least two "G" clamps and the same routing procedure described for the 90° should be followed, taking care to use the side of the slot nearest while removing the waste before the side furthest to finish the cut.

RIGHT HAND 45 FEMALE

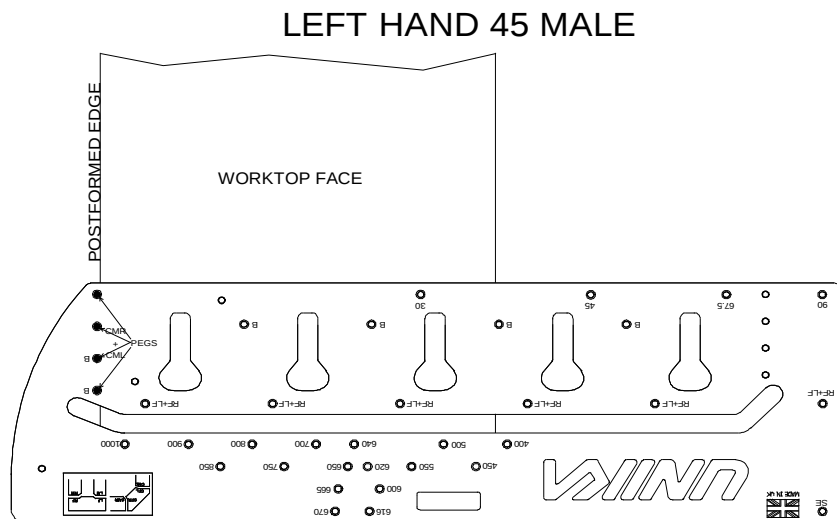


LEFT HAND 45 FEMALE



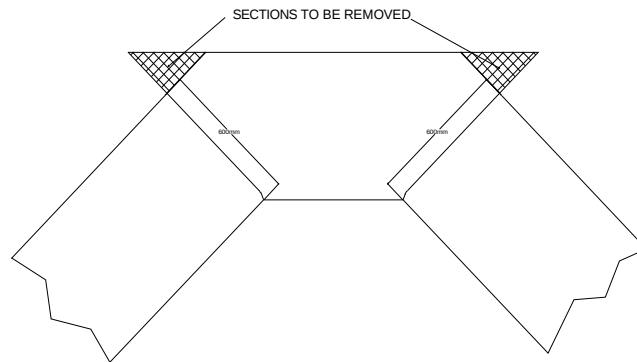
Once both of the female cuts have been made, set the work piece to one side as you will need to trim the back edge, before the worktops are brought together.

As shown in the diagrams below the jig should be face up for both left and right hand male 45° cuts with the worktop “face down” for the right hand and “face up” for the left hand. Once the jig is lined up it should be clamped firmly in place and the previously described routing procedure followed.



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removed should be marked as shown in the diagram below. These pieces should be carefully removed using a sharp hand saw.

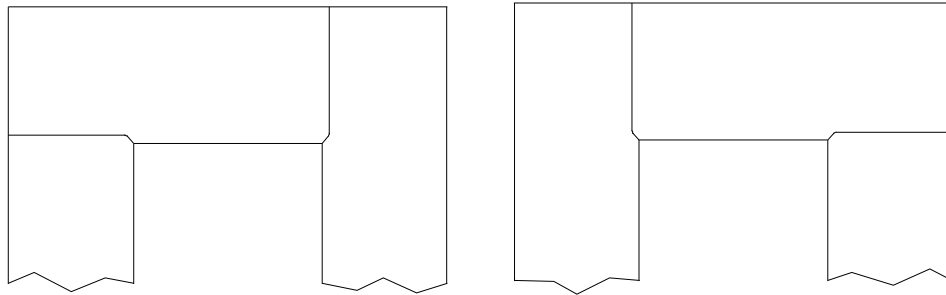


Bolt Slots

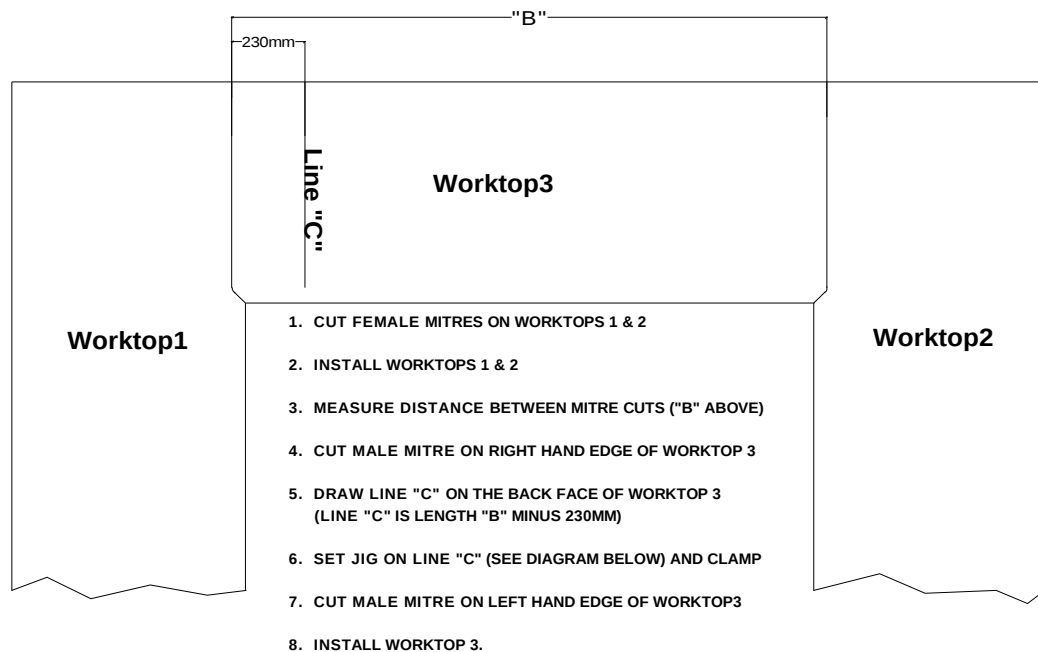
Once the worktop has been trimmed, bolt slots should be cut into the reverse side of each section following the instructions shown on pages 6 and 7.

Alternative layouts

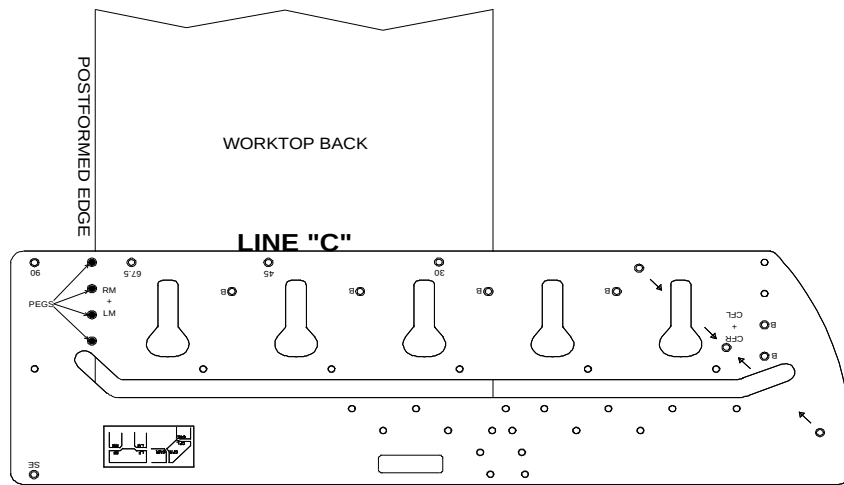
The “Typical Lay-out” shown on page 3 is the best method of constructing a U shaped layout. There is however other formats which may be used for example the two lay-outs below. These may be necessary depending on worktop length available, location of sink, hob etc.



The layouts above are preferable to that below. If however it is necessary to use this construction, careful measurement is required to ensure a good fit.

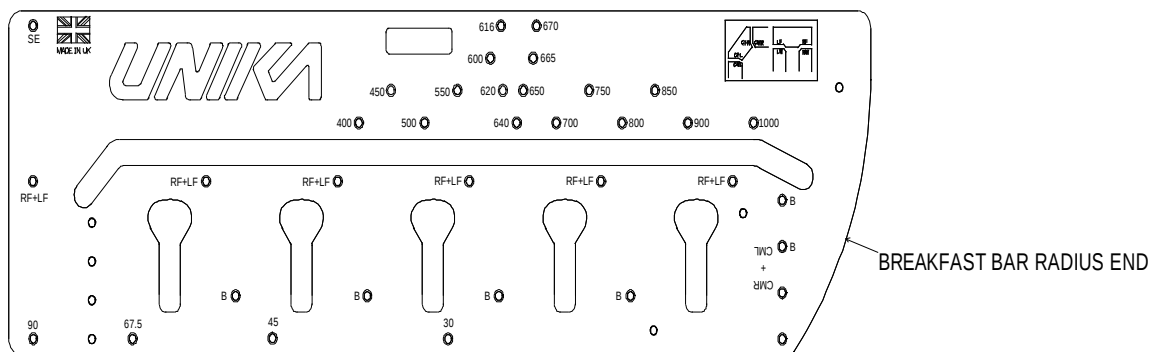


The preferred steps in fitting the setup above are shown as steps 1-8. The measurements must be taken from the edge of the cut mitre. The jig set-up to cut the male mite on the left hand end of Worktop 3 above is shown below.



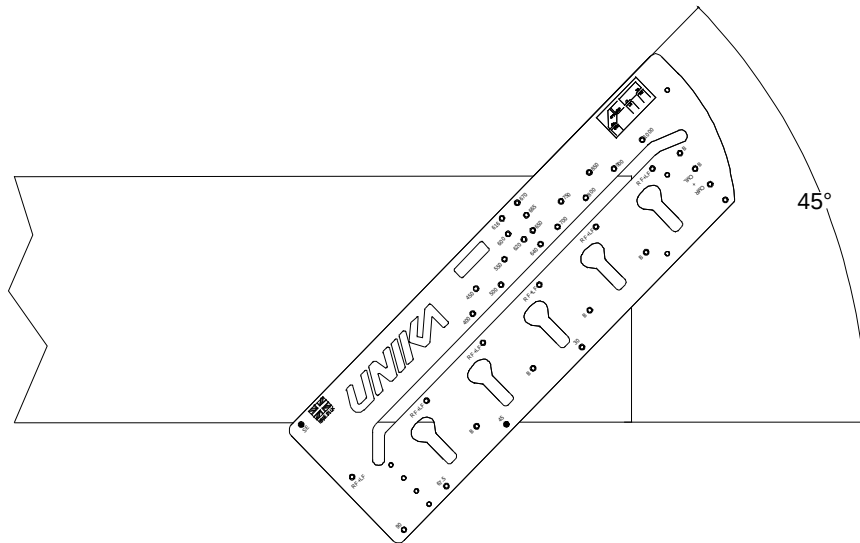
Breakfast bar - Radius End

The jig can be used as a guide when adding a radius to the end of a worktop or panel. Use the array of horizontal holes for the pegs. Place the pegs against the edge of the worktop then, using the radius edge as a guide, mark out radius in pencil and remove the waste with a jigsaw. Set the jig up again, clamp in position and use the router to remove no more than $\frac{1}{4}$ of the cutter's diameter to leave a perfectly finished edge. *Extreme caution should be exercised when attempting this type of cut - your router can easily tip causing damage or injury.*



Straight edge function

The jig is set up to be used as a straight edge guide for set angles of 67.5°, 45° and 30°. By using the “SE” hole along with the chosen angle hole, the straight outside edge of the jig can be used as a guide for the router and guide bush or simply as a guide for a pencil line. The diagram below shows the set up for a 45° cut/line.



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 **Easi-bolts** tightened into the joining bolt slots from the underside.

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.

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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.

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MitrePen is quick and clean and sets in 10 seconds

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UNIKA COLOR PRODUCTS LTD

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

Telephone: +44 (0) 191 259 0033

Fax: +44 (0) 191 257 4525

Email: sales@unika.co.uk www.unika.co.uk

