



KITCHEN WORKTOP ROUTER JIG

FAI KWJ MARK 3

Instructions for use



WORKTOP JIG

Manufactured from Solid Laminate this hard wearing jig is suitable for the installation and fitting of kitchen and bathroom worktops.

The solid laminate construction ensures accurate joints are achieved in most worktops including post-formed.

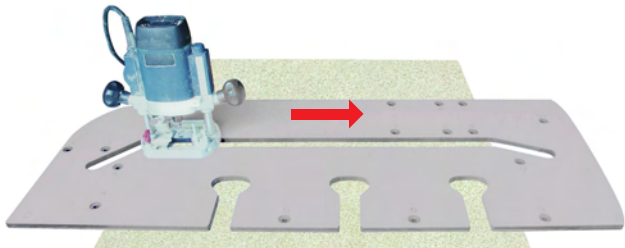
KEY TO PIN HOLES	
REF.	USAGE
500	500mm Worktops
600	600mm Worktops
650	650mm Worktops
FP	Female Post Form
MP	Male Post Form
WC	Worktop Connector
WJ	Worktop Joiner
CJ	Corner Joint

BEFORE STARTING

- Read the instructions carefully
- Wear eye protection when cutting
- Always cut from left to right as illus. 1 on page 3
- Use good quality sharp Tungsten Carbide router bits
- Ensure jig is firmly secured to the worktop
- Clear all obstructions from the path of the router
- Never exceed 10mm depth of cut in one pass
- Only remove cutter from workpiece when cutter stops rotating
- Ensure router is kept vertical to the jig

A minimum of 2 clamps are needed to ensure jig is secured to the worktop.

It is recommended that you try the jig on offcuts, before using the jig on your first installation.



illus. 1

This worktop jig can be used with most popular hand routers. A 30mm guide bush, a 12.7mm diameter router cutter with a cutter length of 50mm and a 1/2" diameter shank are needed to make full use of the jig.

IMPORTANT POINTS TO REMEMBER

- Always use a sharp router cutter
- Check the location and seating of the guide bush.
- Ensure that the jig guide pins are firmly located
- Check that the guide pins are in contact with the worktop when clamping in position.
- Remove large pieces of work with a saw.
- The bolt slots are suitable for most 150mm joining bolts.
- Keep the router vertical to the jig and worktop to avoid chipping or breakout cut into the post formed edge.

STANDARD RIGHT-HAND 90° FEMALE JOINT

The jig is designed to accept most popular widths of worktops and two pins must be inserted into the location holes as follows -

Location hole 500 for 500mm wide worktops,

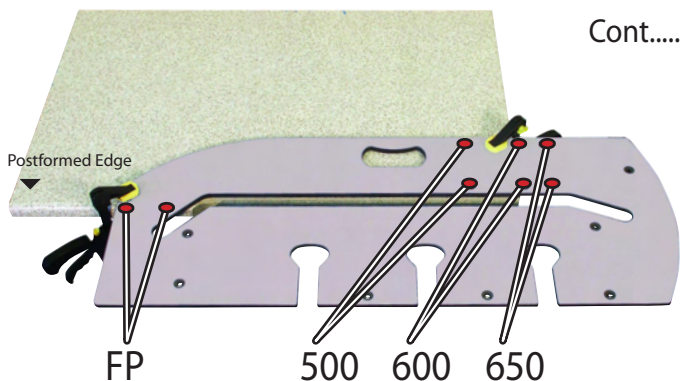
Location hole 600 for 600mm wide worktops,

Location hole 650 for 650mm wide worktops.

See illus. 2.

Other widths of worktops can be cut on the jig but must be positioned using shims or packing to obtain the correct setting

Illus. 2



STANDARD RIGHT-HAND 90° FEMALE JOINT

Cont...

Insert two pins into location holes marked FP, and with the worktop face-up clamp the jig to the worktop, checking that all 4 pins are firmly against the worktop.

Position the router to the far left side of the centre slot and set the router to cut to a depth of 10mm. With the router now located in the slot cut from left to right keeping the router against the edge of the slot closest to you.

Remove the router, increase the depth of cut by a further 10mm. Repeat this operation until the cut is complete.

For the finishing cut, position to the far left side of the central slot setting the router to the full depth of the cut. Cut from right to left with the router pressing firmly on the edge furthest away from you. This will ensure a clean cut edge.

Cont.....

STANDARD RIGHT-HAND 90° FEMALE JOINT

Cont...

For your safety switch off the router at the end of each cut and only remove the router from the jig when it has stopped.

The jig is manufactured to cut 90° corners. If you should encounter walls that are not square remove one or more of the pins and reposition the angle of the jig against the post-form edge. A similar setting will be required for inner cutting the male component.

STANDARD LEFT-HAND 90° FEMALE JOINT

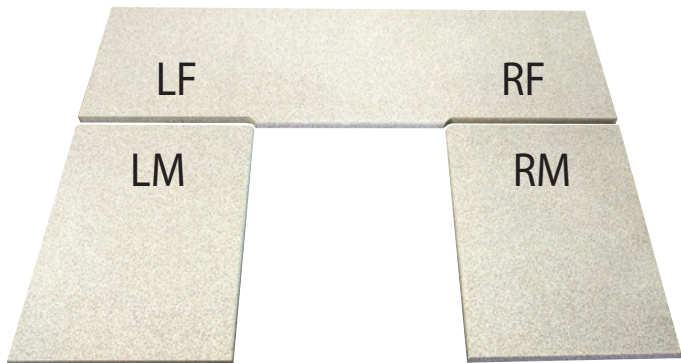
Place the worktop laminate face down, taking care not to scratch the surface and with the post-form edge towards you follow instructions as per right hand joint.

MEASURING & CUTTING THE MALE SECTION

When measuring and setting up provision must be made on the male section of the worktop for a 23mm inset that the jig will inset one worktop into the post-formed edge of the other. See illus. 3 below to help determine your measurements.

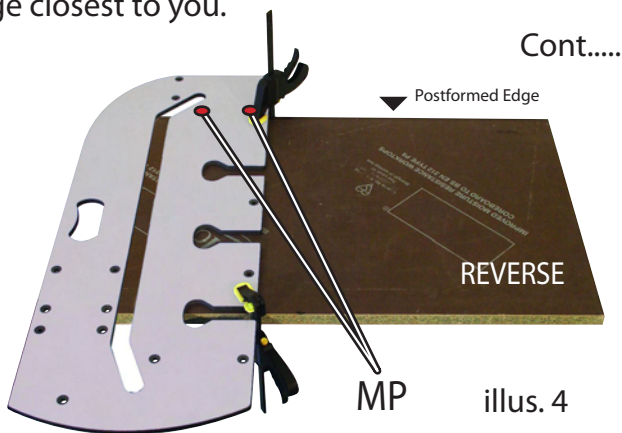
Providing you have enough worktop, carry out a male cut on the appropriate end and cut to length.

illus. 3



STANDARD RIGHT-HAND MALE JOINT

Position the worktop face down and insert two pins into location holes MP on the worktop jig, as shown in illus. 4, and position jig against the post-formed edge. Secure the jig into position checking that all pins are in contact with the post-formed edge. Position the router to the far left side of the centre slot and set the router to cut to a depth of 10mm. With the router now located in the slot, switch on the router and cut from left to right, keeping the router against the edge closest to you.



STANDARD RIGHT-HAND MALE JOINT Cont...

Remove the router, increase the depth of cut by a further 10mm and repeat the operation. Keep repeating this operation until the cut is complete.

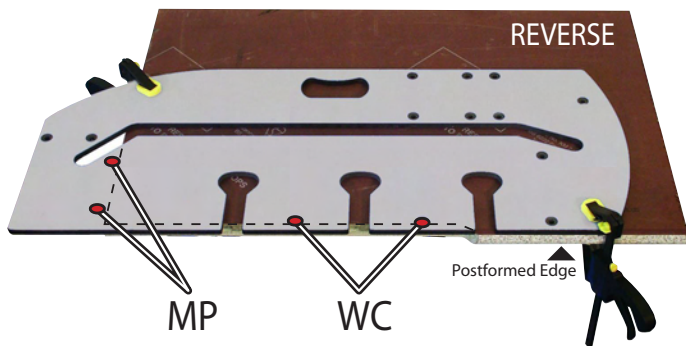
LEFT-HAND MALE JOINT

Position the worktop face up and the jig as shown on page 9. Follow the instructions as Standard Right-Hand Male Joint on page 9.

90° FEMALE BOLT RECESSES

Insert pins into location holes WC and MP on the worktop jig, as shown below in illus. 5. The worktop should be positioned face down taking care not to scratch the surface and ensuring that all three pins are firmly located against the worktop. Clamp the jig firmly to the worktop ensuring that the clamps do not obstruct the path of the router. illus. 5 illustrates the positioning for cutting bolt slots in the right-hand female. The jig should be located to the worktop upside down as shown in illus. 6 for left-hand females and the worktop end to the right of the female cut edge. Cont.....

illus. 5



90° FEMALE BOLT RECESSES Cont...

You will require a depth of 20mm to fit the worktop connectors. DO NOT EXCEED 10mm PER CUT. Rout in a clockwise direction clearing the waste material from the worktop after each cut.

90° MALE BOLT RECESSES

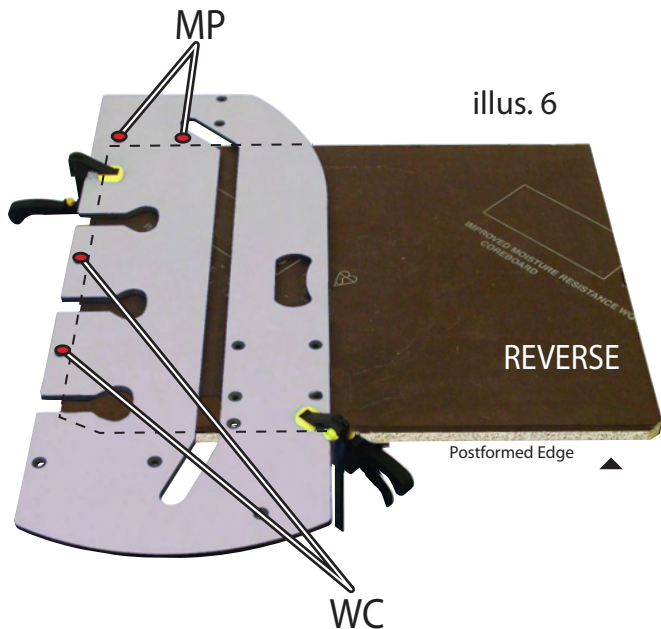
Insert pins into location holes marked WC and MP in the worktop jig, as illustrated in illus. 6 on page 13. The worktop should be positioned face down taking care scratching does not occur and ensuring that all three pins are firmly located against the worktop. and clamp the jig firmly to the worktop.

illus. 6 on page 13 illustrates the positioning for the cutter bolt slots in a left-hand male. The jig should be located to the worktop upside down to that shown in illus. 6 for right-hand males.

Cont...

90° MALE BOLT RECESSES Cont..

You will require a depth of 20mm to fit the worktop connectors. DO NOT EXCEED 10mm PER CUT. Rout in a clockwise direction clearing the waste material from the worktop after each cut.



45° CORNER JOINTS RIGHT-HAND FEMALE

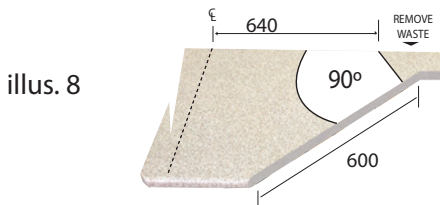
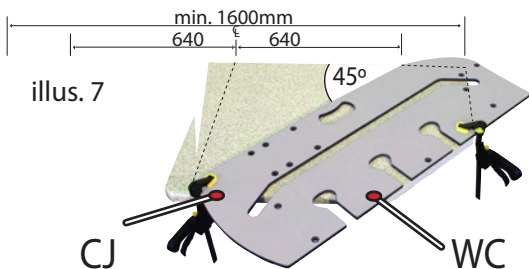
Position, face-up the worktop and mark the centre with a line (Note: you must have a minimum length of worktop of 1600mm), a further line should be marked 640mm each side of the centre line. Insert pins into location holes WC and CJ as illustrated in illus. 7 on page 15. Position the jig with the two pins firmly pressed against the post-formed edge of the worktop and the back edge of the jig positioned against the right-hand 640mm mark. Clamp the jig firmly to the worktop, ensuring the jig does not move. Position the router to the far left-hand side of the centre slot and set the router to cut to a depth of 10mm. With the router now located in the slot cut from left to right keeping the router against the edge of the slot closest to you. Remove the router, increase the depth of cut by a further 10mm and repeat the operation. Keep repeating this operation until the cut is complete.

Cont...

RIGHT-HAND FEMALE Cont...

For the finishing cut position the router to the far left side of the central slot setting the router to the full depth of cut. Cut from left to right but with the router pressing firmly on the edge furthest away from you, this will ensure a clean cut edge.

Remove the jig and from the post-formed edge measure the width of your worktop jig (illus. 8 below is 600mm) and cut carefully.

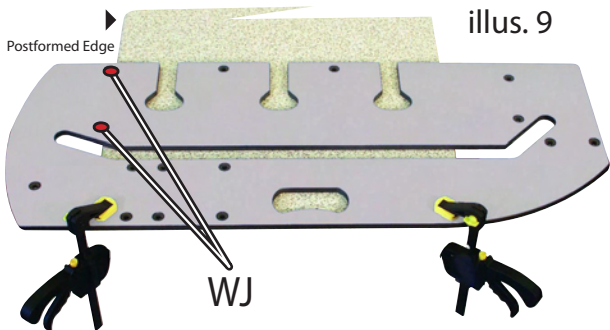


45° CORNER JOINTS LEFT-HAND FEMALE

Follow instructions as for right-hand female but the worktop must be face down and the jig used on the reverse side.

45° CORNER JOINT LEFT-HAND MALE

Position the worktop face up on an appropriate work surface. Insert pins into holes WJ. Position the jig with the two pins firmly pressed against the post-form edge and clamp into position as illustrated in illus. 9. Position the router to the far left side of the centre slot and set the router to cut to a depth of 10mm. With the router now located in the slot cut from left to right keeping the router against the edge of the slot closest to you. Cont.....



45° CORNER JOINT LEFT-HAND MALE Cont...

Remove the router, increase the depth of cut by a further 10mm and repeat the operation. Keep repeating this operation until the cut is complete.

For the finishing cut position the router to the far left side of the central slot setting the router to the full depth of cut. Cut from left to right but with the router pressing firmly on the edge furthest away from you, this will ensure a clean cut edge.

45° CORNER JOINT RIGHT-HAND MALE

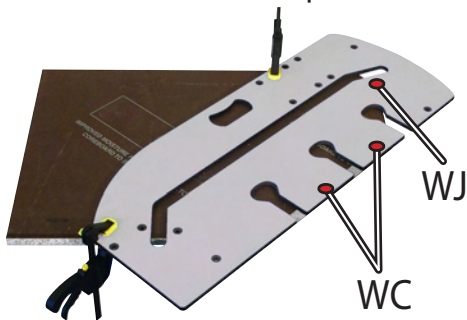
Position the worktop face down and proceed using left-hand male instructions above.

45° CORNER JOINT FEMALE BOLT RECESSES

The worktop should be positioned face down taking care not to scratch the surface, and Insert pins into location holes WC and WJ. Present the jig to the worktop with the WC pin hole pressed firmly against the joint face of the female worktop and the WJ pin hole located against the cut end. As shown in illus. 10 below.

Clamp the jig firmly into position with clamps. You will require a depth of 20mm to fit the worktop connectors. DO NOT EXCEED 10mm PER CUT. Rout in a clockwise direction clearing the waste material from the worktop after each cut.

illus. 10



45° CORNER JOINT MALE BOLT RECESSES

Follow instructions for 90° male bolt recesses.

The Faithfull Tools Catalogue
features approximately 2500 products.
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copy or write to the address below.

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