

Instructions

Compact Laminate Jig

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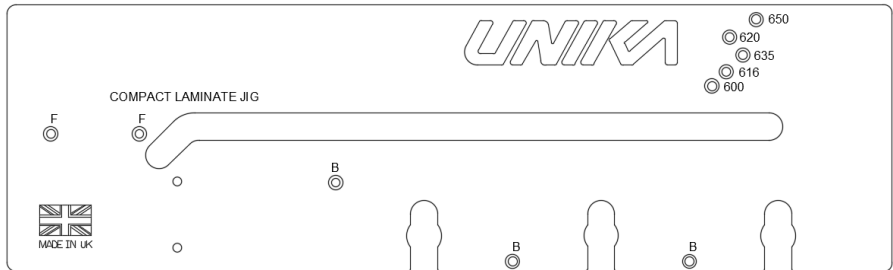


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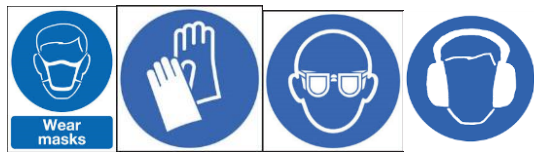


Compact laminate worktop jig

This jig has been designed to form 90° mitred joints in compact laminate worktops using a (minimum) 1600w router fitted with a 12.7mm straight cutter and 30mm guide bush.



Safety First



When handling compact laminate worktops all lifting operations must be carried out by a minimum of two persons due to the weight of the product.

Clean cut edges can be sharp! Wear suitable gloves where appropriate

Dust masks should be worn at all times and where possible cutting should only be done in well ventilated areas with dust extractors used.

Eye protection should be worn at all times!

Ear defenders should be worn whilst the router is being used

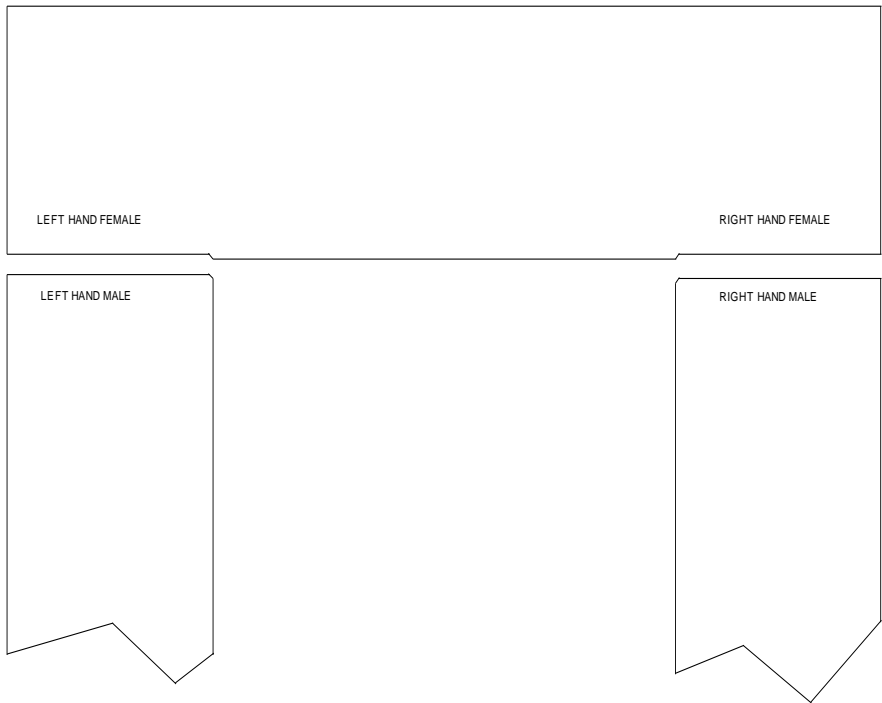
Compact Laminate jig Instructions

Used as described this jig will cut a discreet, 10mm deep, masons mitre into compact laminate work tops. Bolt slots can also be formed to allow use of the Unika toggle bolt which will act as a clamp to hold the joint together along with colour matched sealant and adhesive, Topseal.

Equipment required

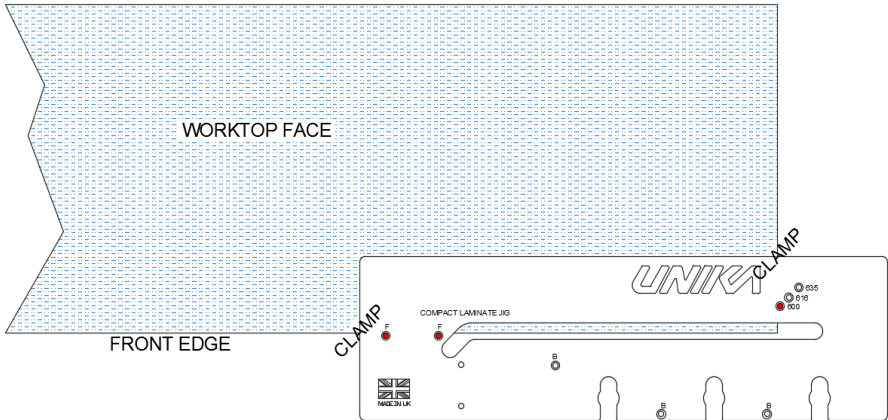
- Router (min 1600W) with ½"/12.7mm collet.
- 1/2"/12.7mm tungsten carbide twin flute, straight cutter.
- 30mm guide bush
- Quick release "G" clamps.

Worktop configuration



FEMALE CUTS

RIGHT HAND FEMALE



For this cut the worktop must be face up and the jig also face up. Pegs should be placed in the two holes labelled “F” and also 1 x peg to set the length of cut (in the diagram above 600 mm).

The pegs in the “F” holes should be pushed against the front edge of the worktop (ensuring that both pegs are touching the worktop) whilst the peg setting the cut length (600mm in this example) should be touching the worktop on the right hand edge.

Once the jig is positioned suitably, with all three pegs in contact with the worktop, it should be clamped, in at least two positions, to the worktop. The position of the pegs should be checked after clamping to ensure they have not crept out of position and all three are still touching the worktop.

The Router should be placed with the guide bush into the jig slot in the furthest left hand position. The depth should be set at no more than 5mm

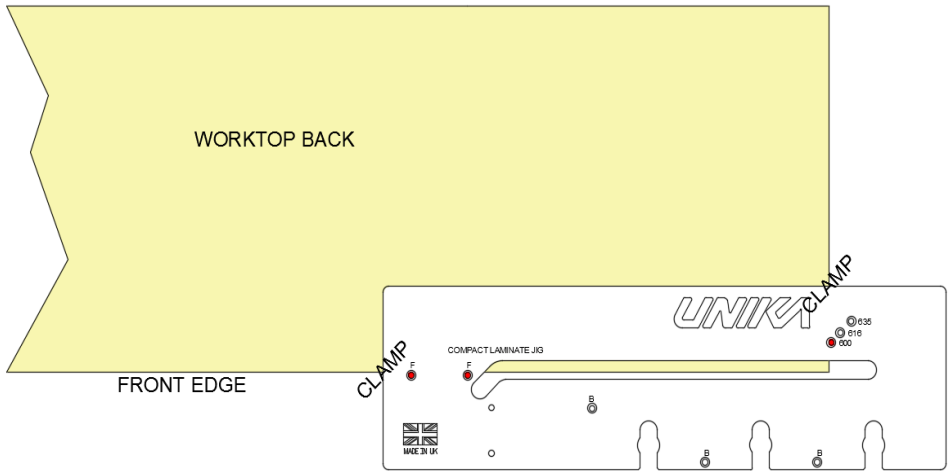
meaning you will need a minimum of three passes to remove the waste. The router should be started only when the blade is not in contact with the worktop. To remove the waste move the router from its starting position on the left and using the side of the slot nearest to the operator to as the guide.

Once the router has exited through the back of the worktop the router should be turned off and allowed to stop, before the router is returned to the left hand side of the slot. Increase the plunge depth and repeat the step above, always working the router left to right with the guide bush against the side of the slot nearest the operator.

Continue this process until the waste has been removed.

Once the waste has been removed the router should be returned to the left hand side of the slot and one final pass should be made. The final pass should be made with the router plunged to a depth that sees the cutter in contact with the entire cut face and the operator should use the side of the slot **furthest** from him to push the guide bush against. This will finish the cut and remove approximately 1mm of material leaving a clean, chip free cut.

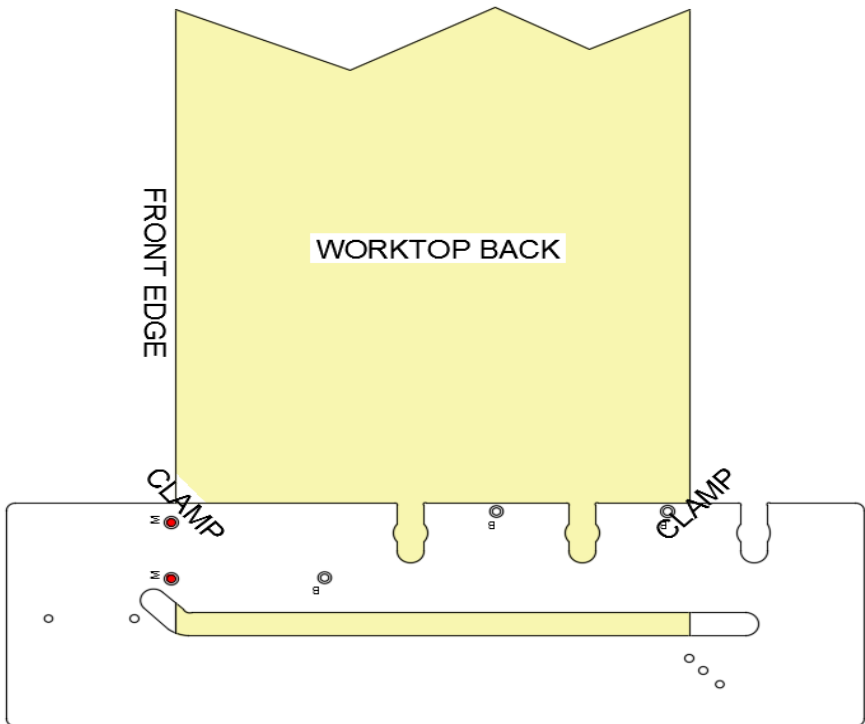
LEFT HAND FEMALE



The left hand female cut should be performed in exactly the same way, only this time the worktop should be face down rather than face up and the jig should remain face up as in the diagram above.

MALE CUTS

RIGHT HAND MALE



For this cut the worktop must be face down and the jig will also be face down, as shown in the diagram above.

Two pegs should be placed into the holes marked “M” and the jig placed on the work top so that the pegs touch the front edge. As with the female cut it is important to ensure that both pegs are tight against the front edge and once happy with the positioning of the jig it should again be clamped in place in at least two positions, checking the pegs after clamping to check they haven’t moved.

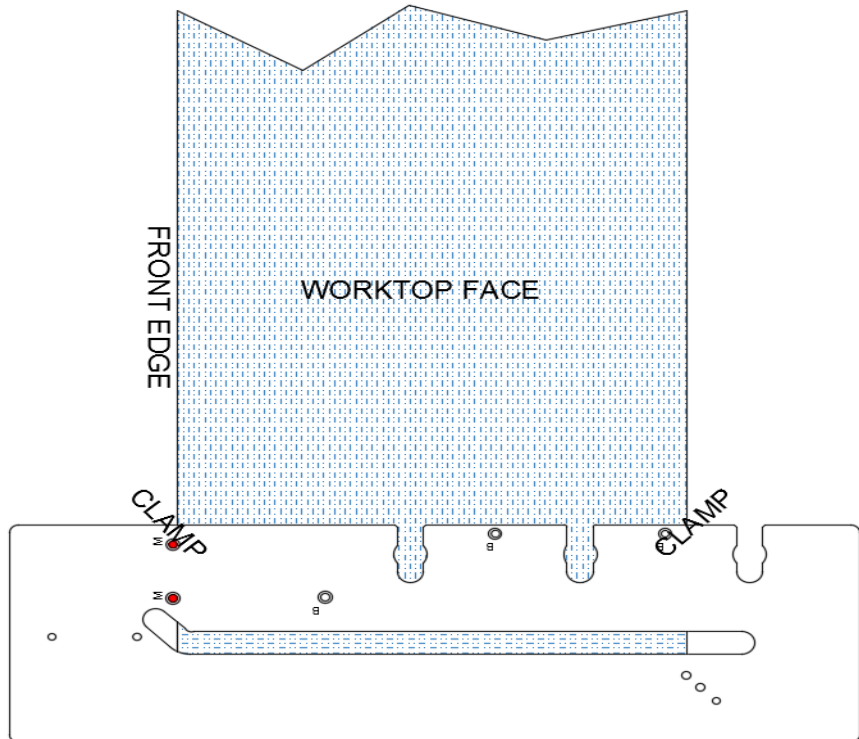
The router should be placed with the 30mm guide into the slot and positioned at the far left hand side of the slot. Plunge the router to a maximum plunge depth of 5mm and using the side of the slot nearest the operator as a guide move the router left to right until the blade exits from the back of the worktop.

Repeat the process, plunging no more than 5mm each time, until the waste has been removed. As with the female cut, once the waste has been removed, make one final pass using the side of the slot furthest from the operator as a guide, to finish the cut.

NOTE: - For all male and female cuts it is crucial that the final pass against the side of the slot furthest from the operator is completed. Without this the two parts of the joint will not meet together suitably.

LEFT HAND MALE

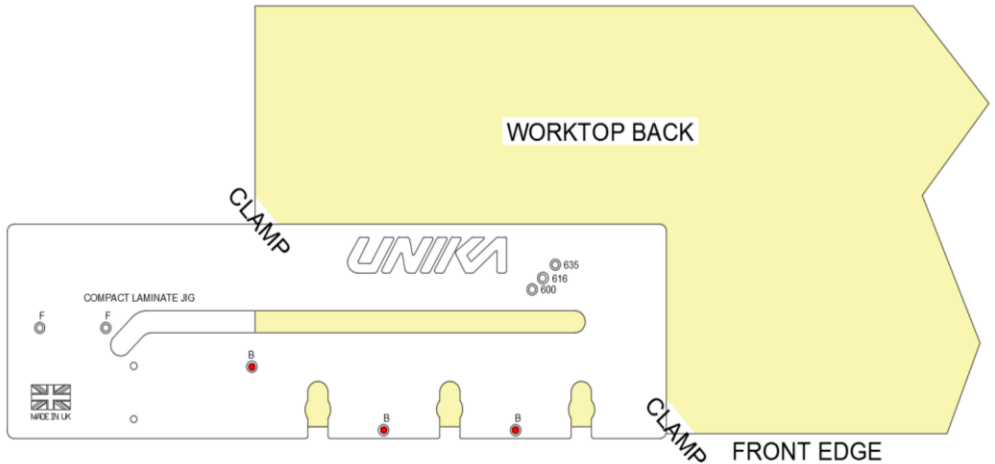
For this cut the worktop must be face up and the jig must remain face down



Once again the routing procedure should be followed, ensuring that the pegs remain tight to the worktop once the jig has been clamped and the router is only moved in a left to right direction with the final pass being performed as described earlier.

BOLT SLOTS

RIGHT HAND FEMALE BOLT SLOTS

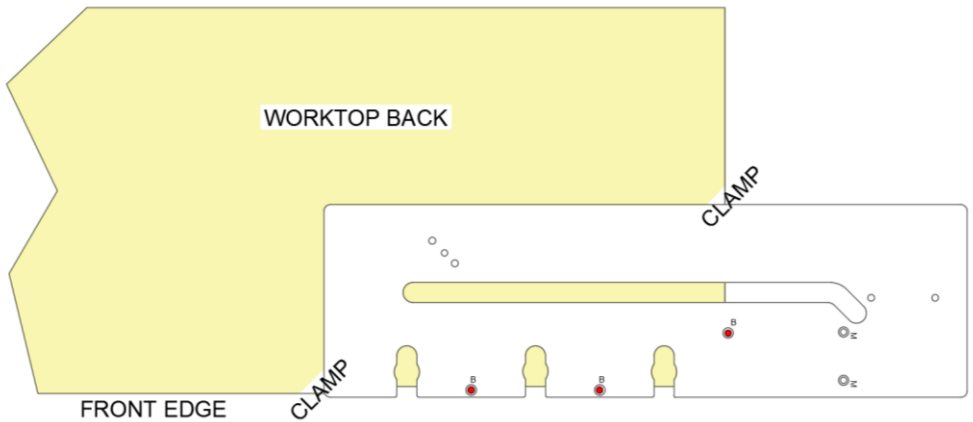


With the worktop face down and the jig face up, pegs should be pushed into the three holes marked “B”. The jig must then be placed on the reverse face of the worktop so that the two pegs between the bolt cut outs fit tightly against the female cut edge and the third peg sits tightly against the edge of the worktop. When all three pegs are in contact with the worktop the jig should be clamped in place, checking that none of them have moved out of place when tightening.

The total depth of the bolt slot should be 7mm and we recommend that this is cut in two passes. The router should be placed on the jig with the guide bush at the entrance to the bolt slot with the cutter NOT in contact with the worktop. Turn on the router and move around the bolt slot in a clockwise direction until all waste has been removed.

After two passes this should be repeated for the two remaining slots.

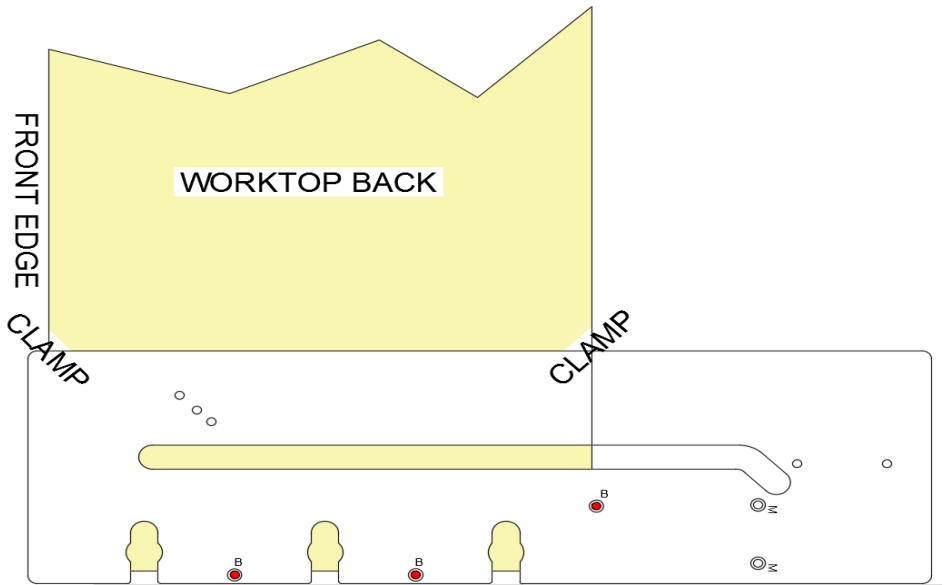
LEFT HAND FEMALE BOLT SLOTS



For the left hand, female bolt slots the worktop is face down as well as the jig. With pegs pushed into the holes "B".

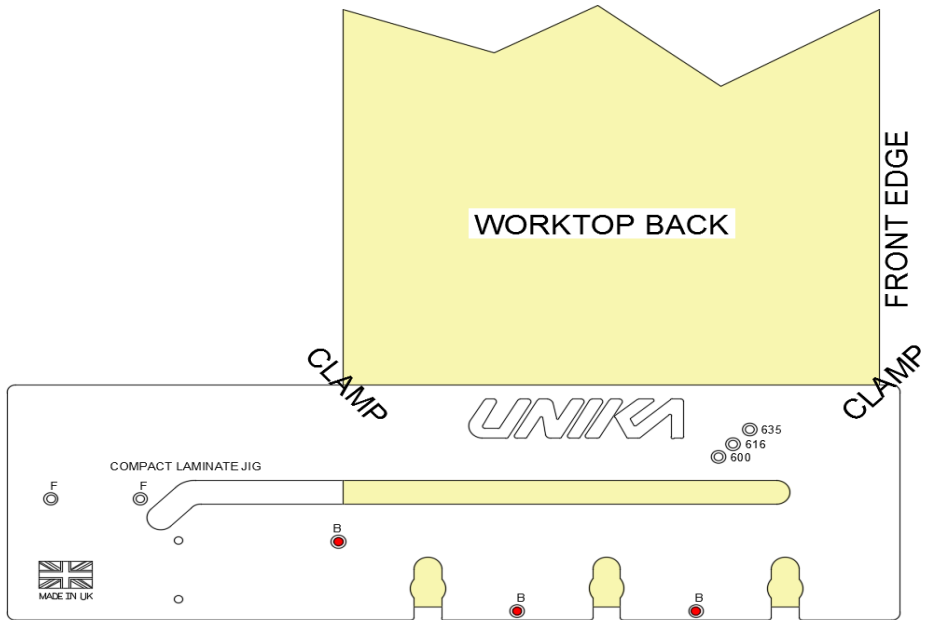
Once the pegs are in position and the jig is clamped the routing process described on the previous page should be carried out.

RIGHT HAND MALE BOLT SLOTS



For these slots the worktop is face down as is the jig with pegs pushed into the three holes labelled "B". With the jig on the worktop the two pegs between the bolt slots should be tight up against the male cut edge and the third peg tight up against the back edge of the worktop. Once all three pegs are in position the jig should be clamped in place and the routing process described on page 6 carried out.

LEFT HAND MALE BOLT SLOTS



For these slots the jig is required to be face up with three pegs in the holes labelled "B" and the jig clamped in place as shown in the diagram above. Once clamped in place the routing process described on page 6 should be carried out.

Notes and Drawings

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