

WORKTOP JIG

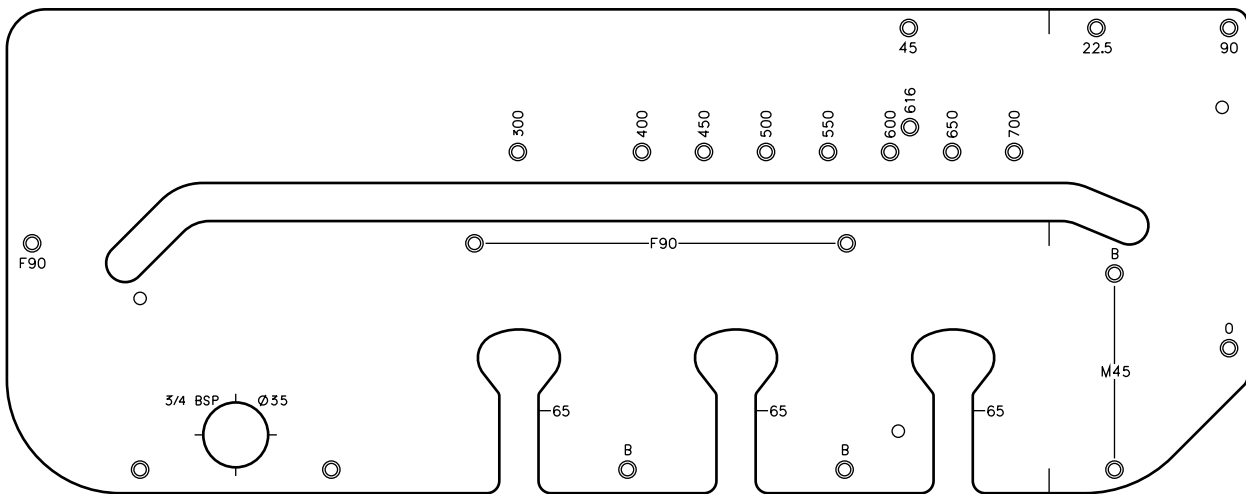
Guidance Notes



The construction methods described in this booklet are suggestions and are provided purely as a guide. All work carried out on worktop will be done at the risk of the builder and shall in no way impinge upon Hire Shop Birmingham Ltd

Please read the important Health and Safety notes at the end of this booklet

INSTRUCTIONS FOR WORKTOP JIG MK.2 300-700MM

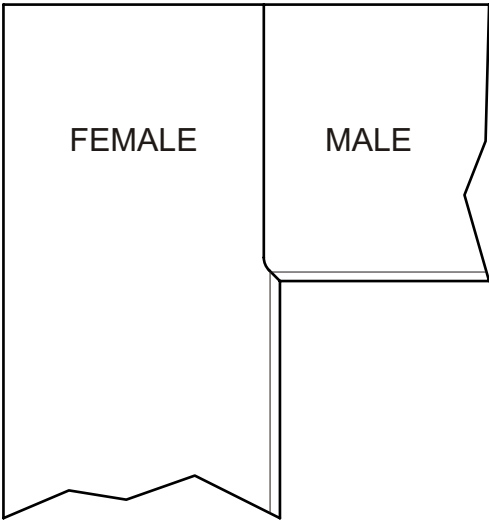


Please read these following points carefully before cutting:

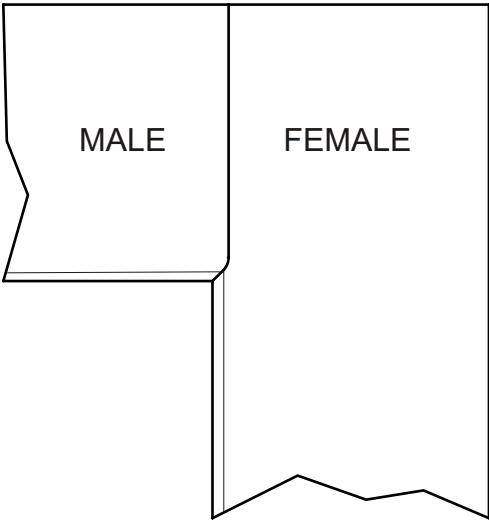
1. Before using the jig we recommend you practice a few joints with off-cuts of worktops or other materials to familiarize yourself with the jig.
2. Other equipment required to use this jig:
 - Hand router with 12.7mm (1/2") collet capacity
 - A 30mm guide bush
 - Good quality tungsten carbide cutter 12.7mm x 50mm (1/2" x 2")
 - One pair of G-clamps
3. Safety First:
 - Always wear protective goggles when cutting.
 - Make the path of the router clear of any obstacles
 - Make sure the cable of the router is clear of the jig.
 - The jig should be properly clamped to the worktop and supported properly on a bench or trestle.
4. When cutting:
 - Always work from left to right with no cuts deeper than 10 –12mm.
 - Never withdraw the router from the jig whilst the cutter is in motion.

TYPES OF JOINTS

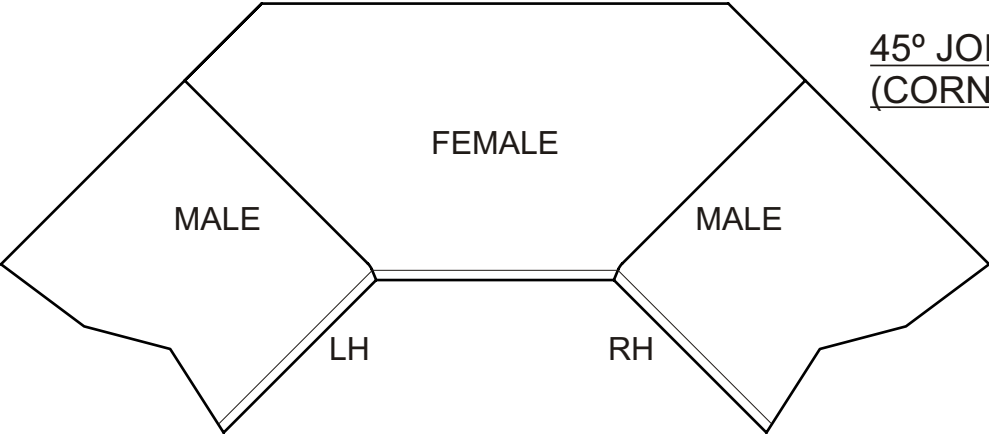
LEFT HAND 90° JOINT



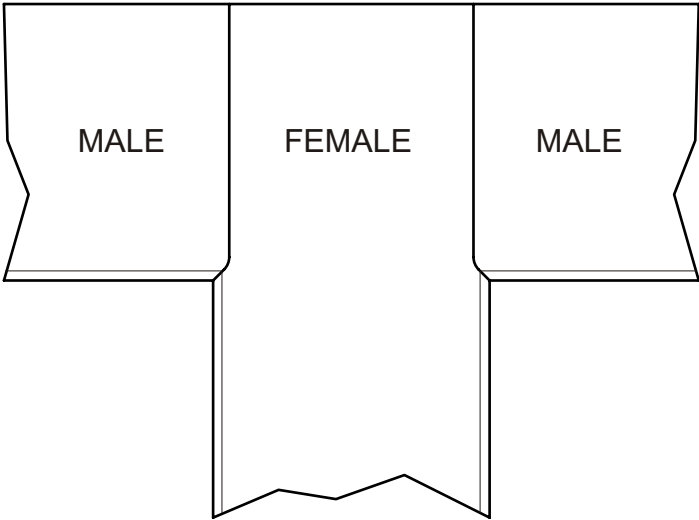
RIGHT HAND 90° JOINT



45° JOINT
(CORNER JOINT)

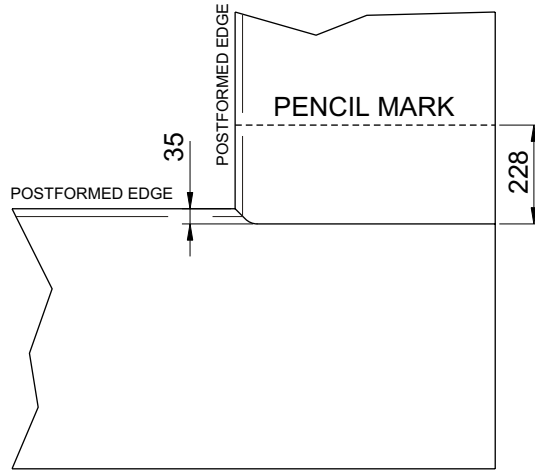
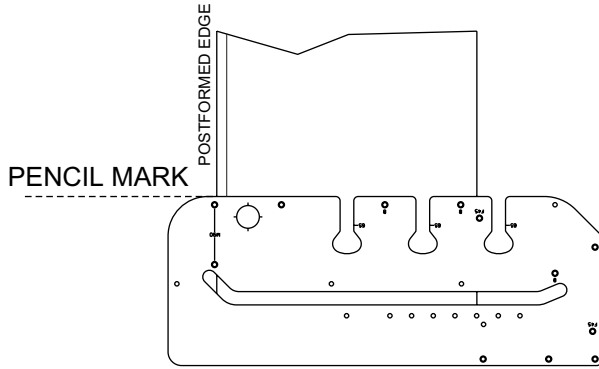


PENINSULAR JOINT

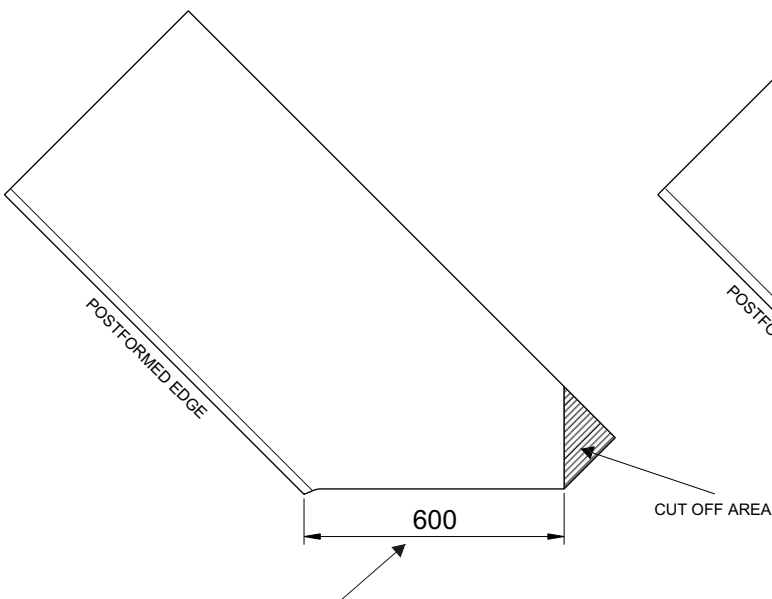


CUTTING TO SIZE

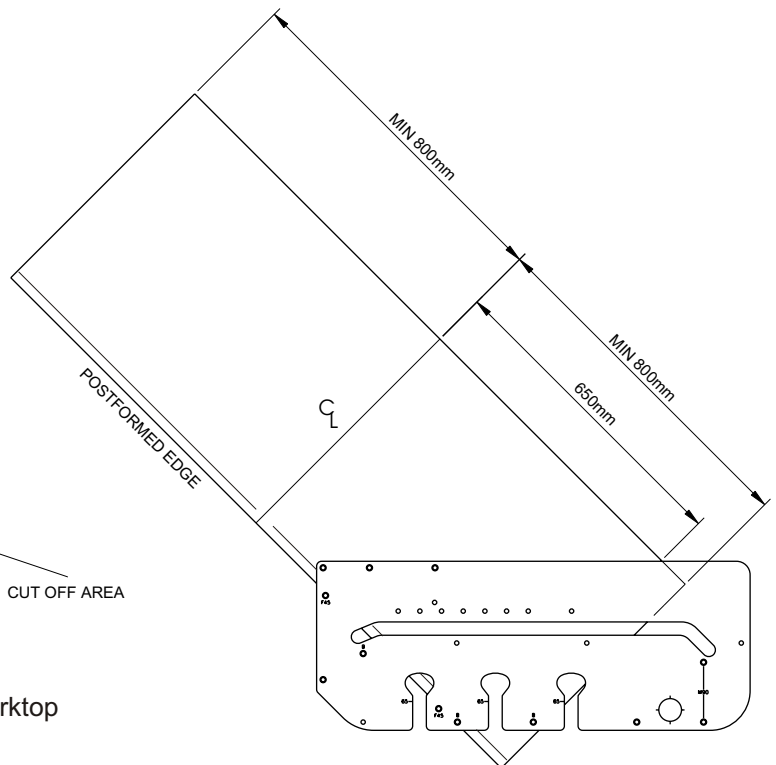
90° JOINTS



45° JOINTS

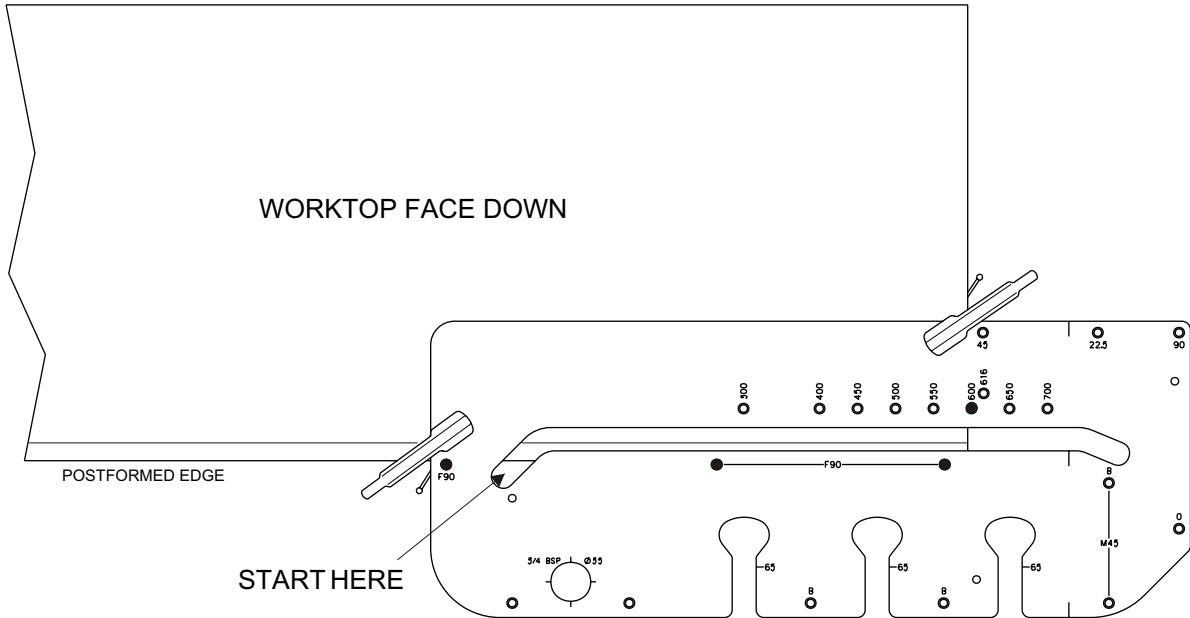


Note: This dimension is based on a 600mm wide worktop



RIGHT HAND 90° JOINTS FEMALE

1. Place worktop face **down** and postformed edge towards you.
2. Place 3 pins in the holes marked **F90**.
3. Place the fourth pin the hole marked **300, 400, 450, 500, ... 700** depending on the width of the worktop.
4. Position the jig as shown in the diagram below and make sure all four pins are pushed firmly against the worktop edge.
5. Secure the jig with G-clamps.

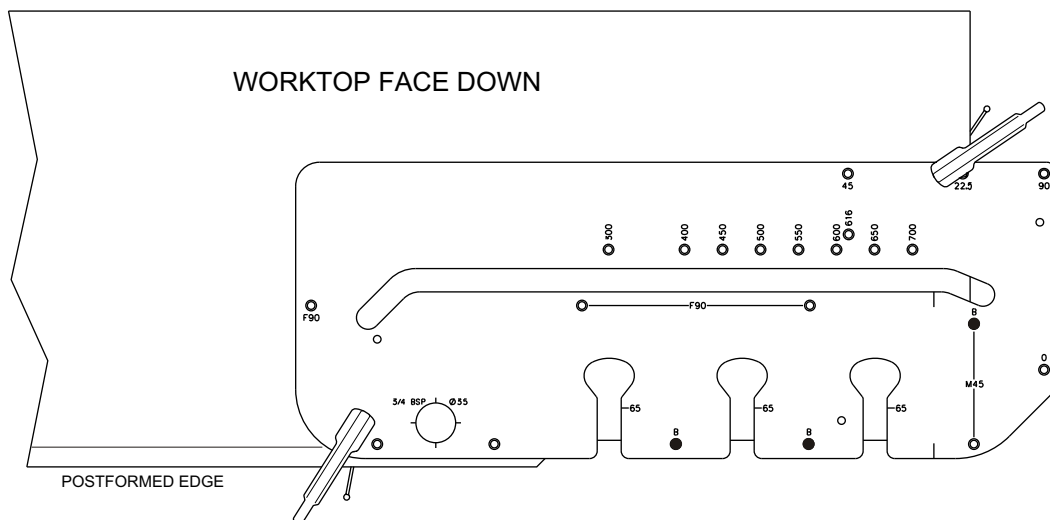


Cutting instructions

1. Set the depth of cut for 10-12mm for your first roughing cut.
2. Position the router on the left hand side of the slot and start cutting by **pulling** the router towards the edge of the slot closest to you.
3. Increase the depth of cut and repeat step 2 until the roughing cut is completed.
4. For the finish cut, position the router on the left hand side of the slot (with the router set for the full depth of cut) and cut by **pushing** the router towards the edge of the slot furthest away from you.

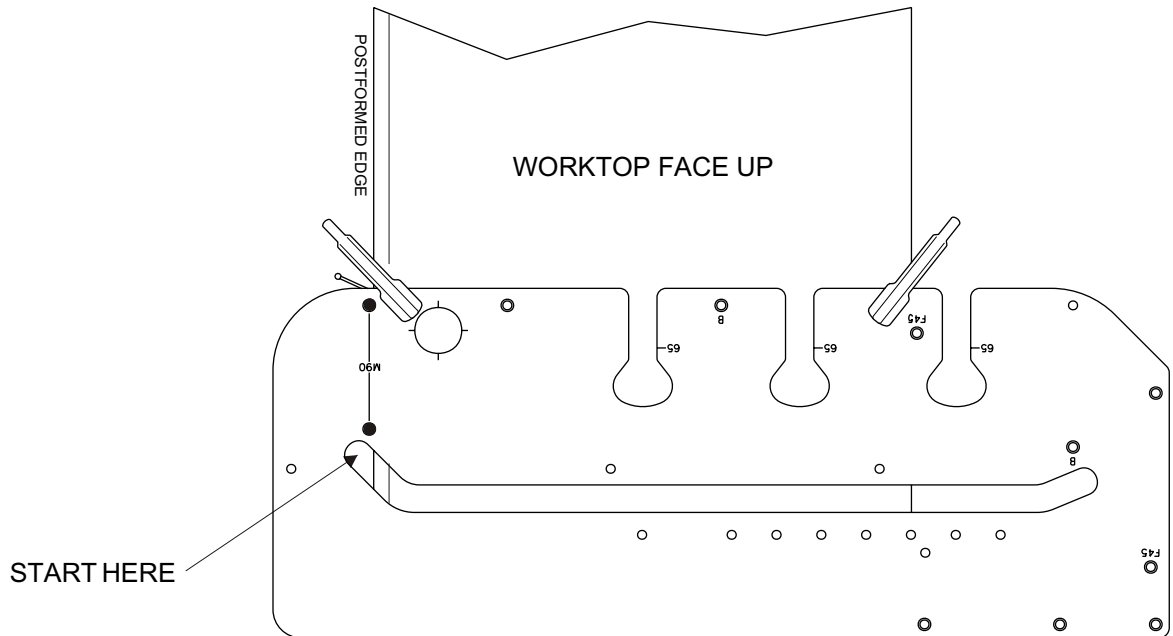
Cutting the slots for female joining bolts

1. Place worktop face **down** with the post formed edge towards you as shown in the diagram.
2. Place 3 location pins in the holes marked **B** as shown in the diagram.
3. Place the jig as shown in the diagram below and make sure all 3 pins are pushed firmly against the edge of the worktop.
4. Secure the jig with the G-clamps.
5. Two cuts of 10mm are required for the slots.
6. Repeat step 5 for all the slots required.



RIGHT HAND 90° JOINTS MALE

1. Place the worktop face **up** and the postformed edge as shown in the diagram.
2. Place 2 pins in the holes marked **M90**.
3. Position the jig as shown in the diagram below, and make sure both pins are pushed firmly against the worktop edge.
4. Secure the jig with G-clamps.

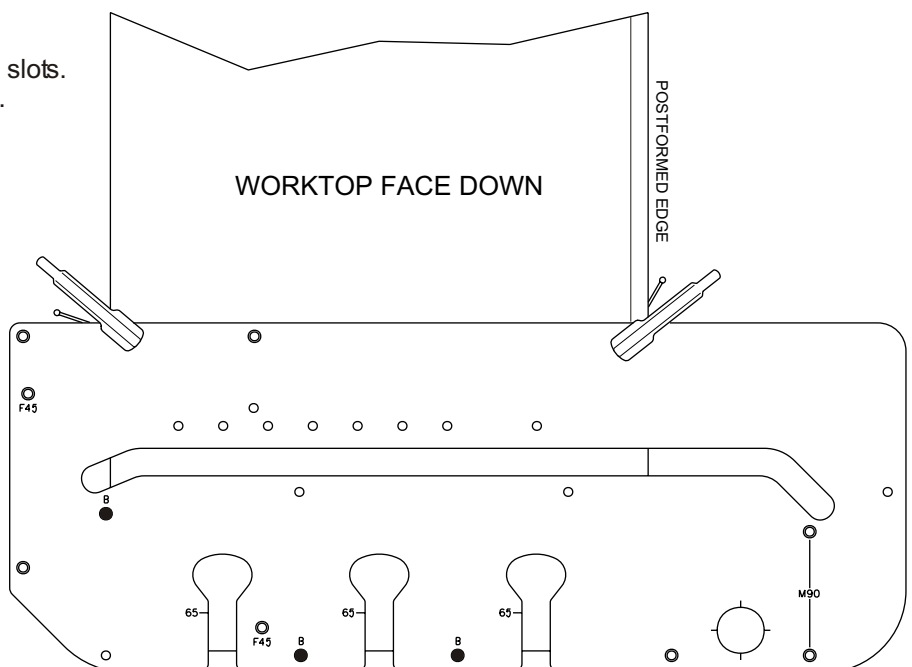


Cutting instructions

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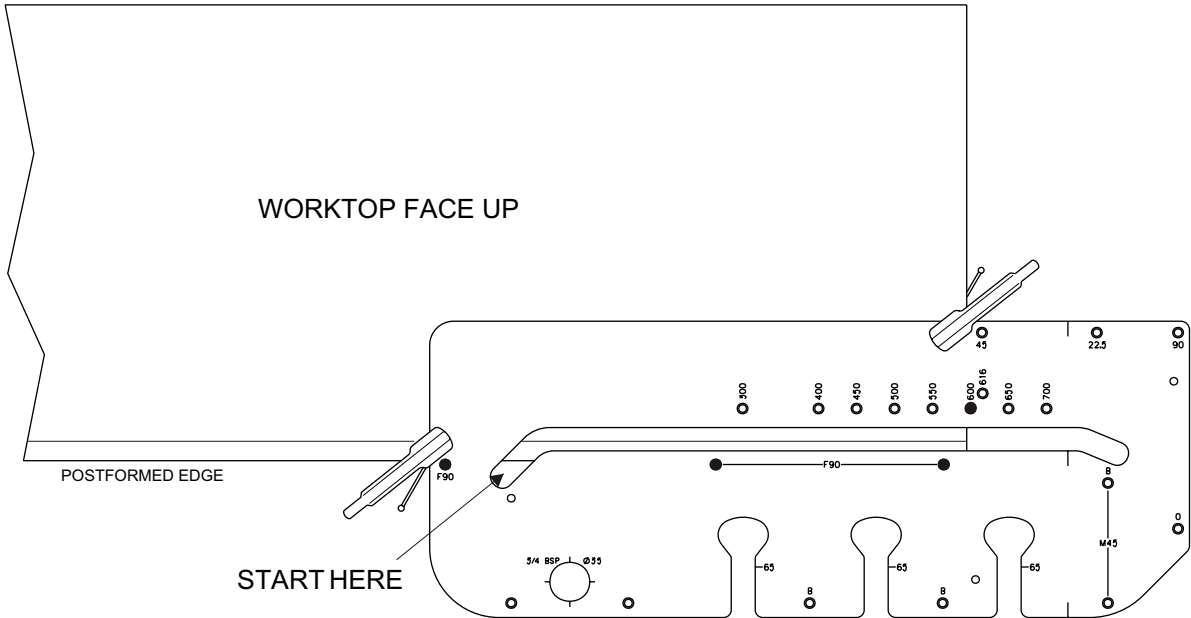
Cutting the slots for male joining bolts

1. Place worktop face **down** with the post formed edge as shown in the diagram.
2. Place 3 location pins in the holes marked **B** as shown in the diagram.
3. Place the jig as shown in the diagram below and make sure all 3 pins are pushed firmly against the edge of the worktop.
4. Secure the jig with the G-clamps.
5. Two cuts of 10mm are required for the slots.
6. Repeat step 5 for all the slots required.



LEFT HAND 90° JOINTS FEMALE

1. Place worktop face **up** and postformed edge towards you.
2. Place 3 pins in the holes marked **F90**.
3. Place the fourth pin the hole marked **300, 400, 450, 500, ... 700** depending on the width of the worktop.
4. Position the jig as shown in the diagram below and make sure all four pins are pushed firmly against the worktop edge.
5. Secure the jig with G-clamps.

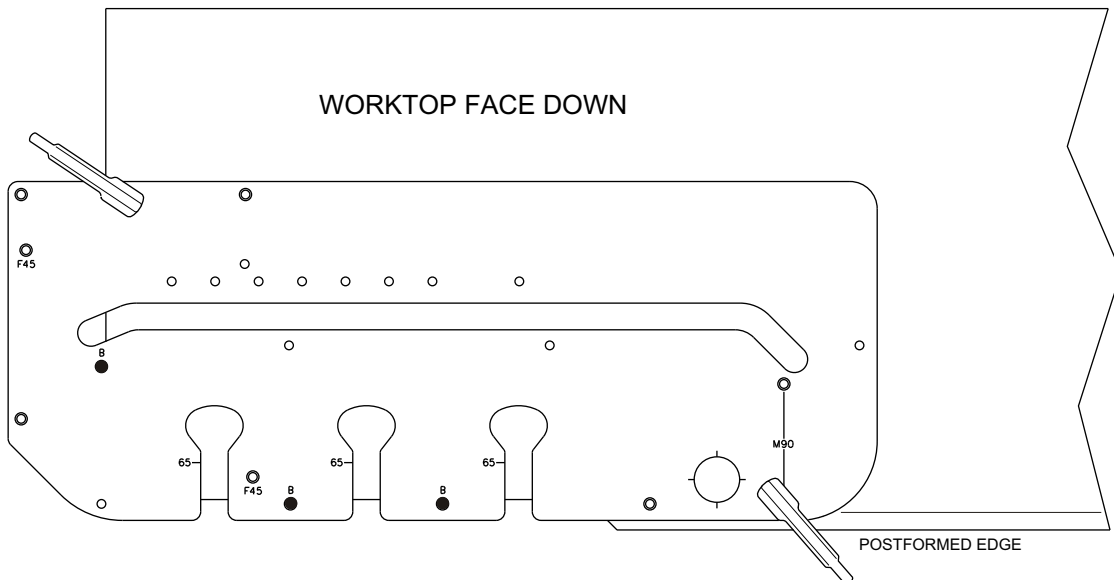


Cutting instructions

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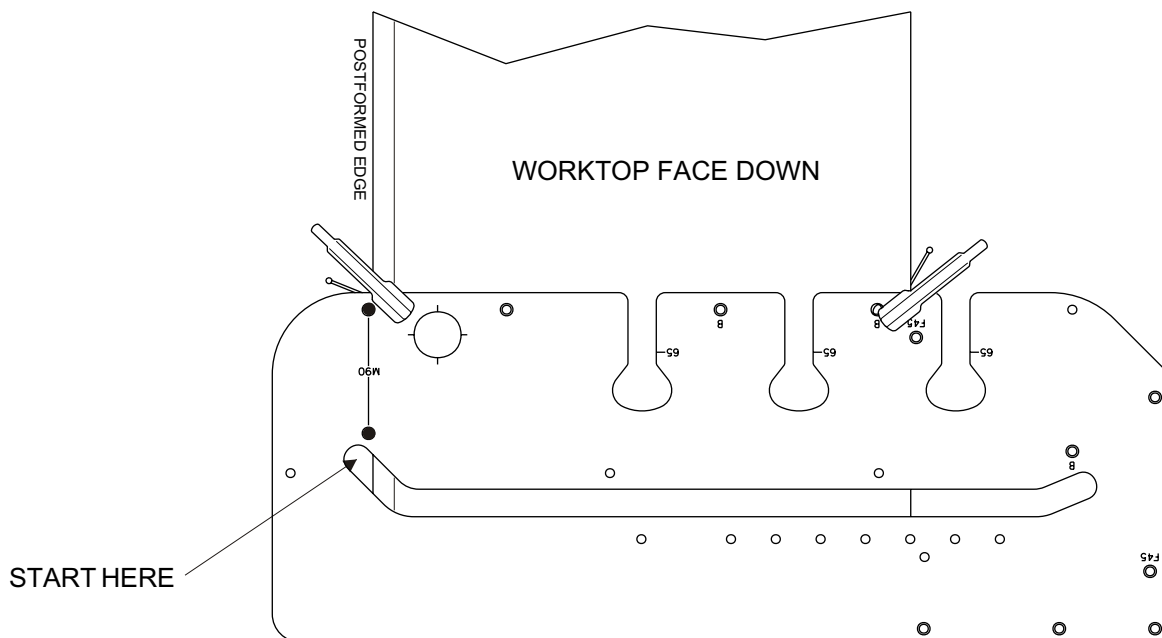
Cutting the slots for female joining bolts

1. Place worktop face **down** with the post formed edge towards you as shown in the diagram.
2. Place 3 location pins in the holes marked **B** as shown in the diagram.
3. Place the jig as shown in the diagram below and make sure all 3 pins are pushed firmly against the edge of the worktop.
4. Secure the jig with the G-clamps.
5. Two cuts of 10mm are required for the slots.
6. Repeat step 5 for all the slots required.



LEFT HAND 90° JOINTS MALE

1. Place the worktop face **down** and the postformed edge as shown in the diagram.
2. Place 2 pins in the holes marked **M90**.
3. Position the jig as shown in the diagram below, and make sure both pins are pushed firmly against the worktop edge.
4. Secure the jig with G-clamps.

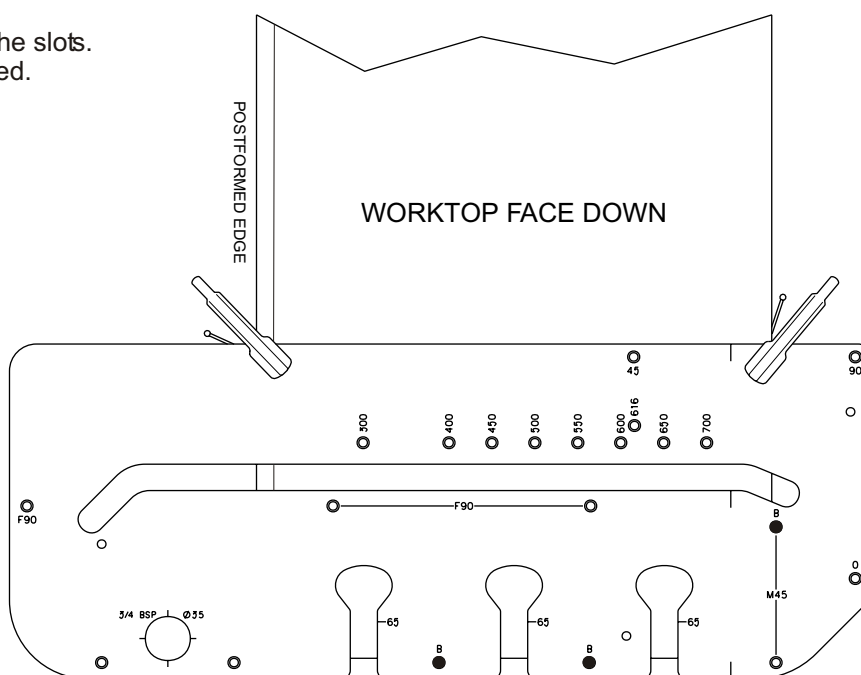


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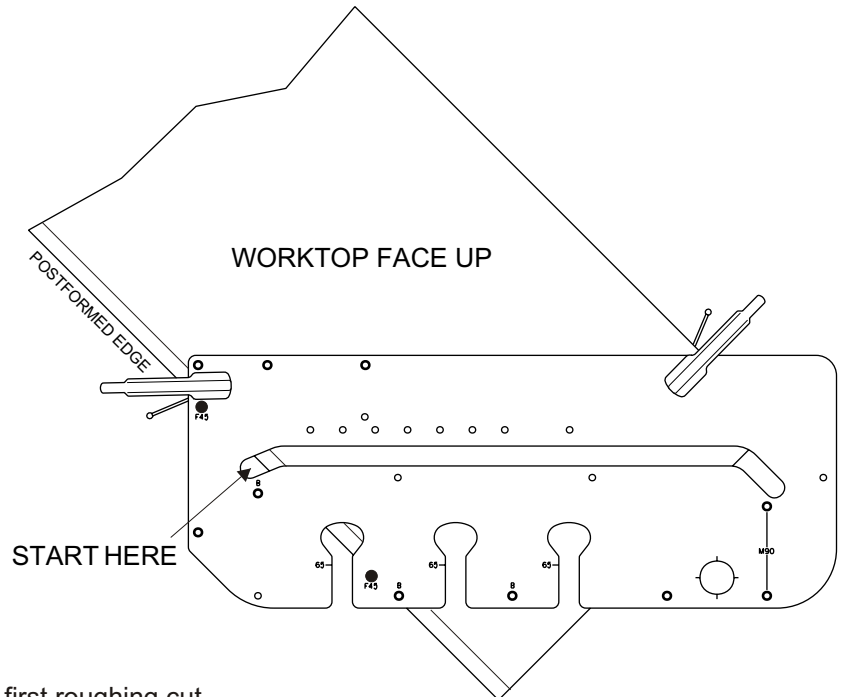
Cutting the slots for male joining bolts

1. Place worktop face **down** with the post formed edge as shown in the diagram.
2. Place 3 location pins in the holes marked **B** as shown in the diagram.
3. Place the jig as shown in the diagram below and make sure all 3 pins are pushed firmly against the edge of the worktop.
4. Secure the jig with the G-clamps.
5. Two cuts of 10mm are required for the slots.
6. Repeat step 5 for all the slots required.



RIGHT HAND 45° JOINTS FEMALE

1. Place the worktop face **up** and the postformed edge as shown in the diagram.
2. Place **2** pins in the holes marked **F45**.
3. Position the jig as shown in the diagram below. Make sure the back edge of the jig is lined up with the pencil mark (650mm from the centre line - see cutting to size diagram).
4. Make sure both pins are pushed firmly against the worktop edge.
5. Secure the jig with the G-clamps.

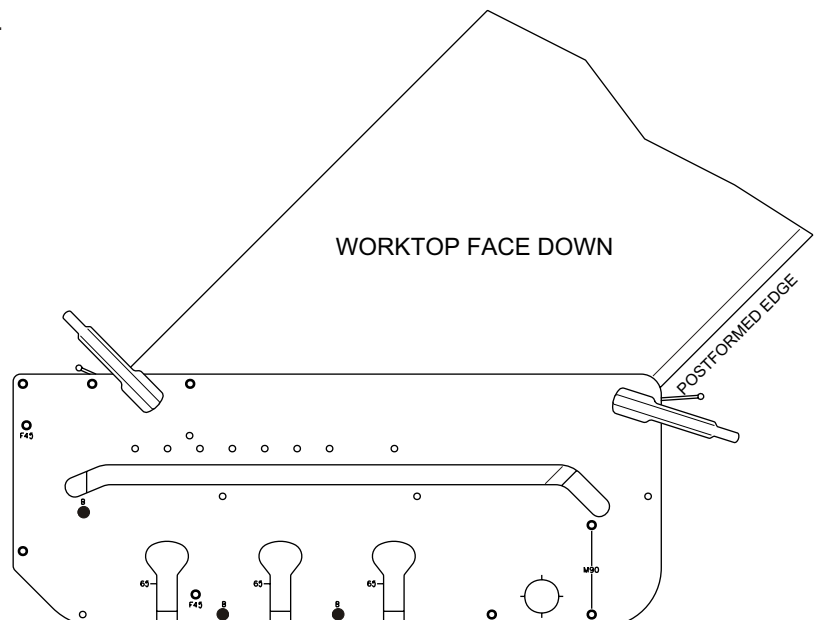


Cutting instructions

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2. Position the router on the left hand side of the slot and start cutting by **pulling** the router towards the edge of the slot closest to you.
3. Increase the depth of cut and repeat step 2 until the roughing cut is completed.
4. For the finish cut, position the router on the left hand side of the slot (with the router set for the full depth of cut) and cut by **pushing** the router towards the edge of the slot furthest away from you.

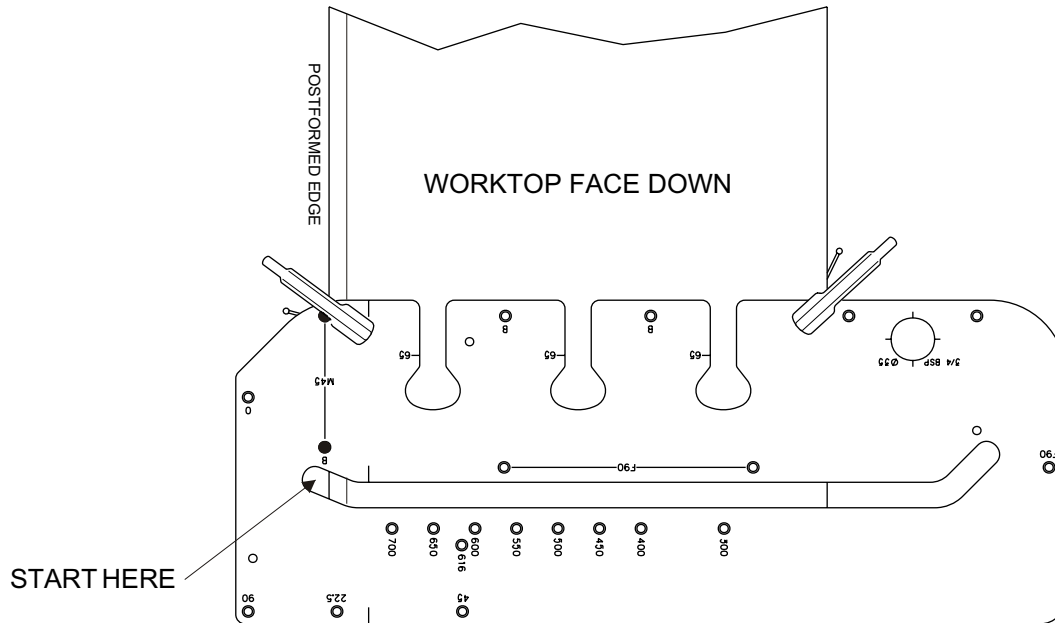
Cutting the slots for female joining bolts

1. Place worktop face **down** with the post formed edge as shown in the diagram.
2. Make sure the shaded area is cut off for the appropriate width of the worktop (see cutting to size diagram).
3. Place 3 location pins in the holes marked **B** as shown in the diagram.
4. Place the jig as shown in the diagram below and make sure all 3 pins are pushed firmly against the edge of the worktop.
5. Secure the jig with the G-clamps.
6. Two cuts of 10mm are required for the slots.
7. Repeat step 5 for all the slots required.



RIGHT HAND 45° JOINTS MALE

1. Place the worktop face **down** and the postformed edge as shown in the diagram.
2. Place **2** pins in the holes marked **M45**.
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4. Secure the jig with the G-clamps.

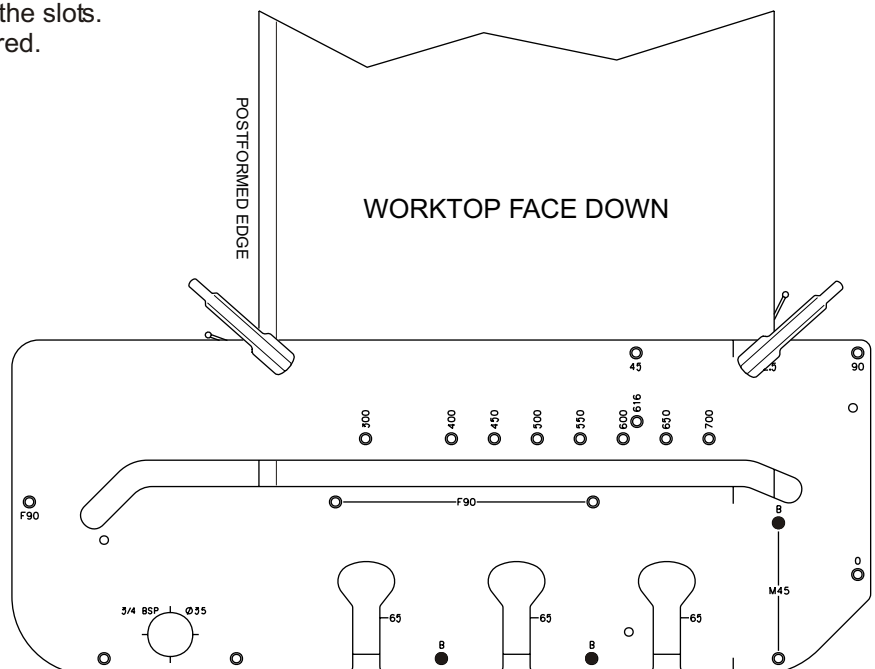


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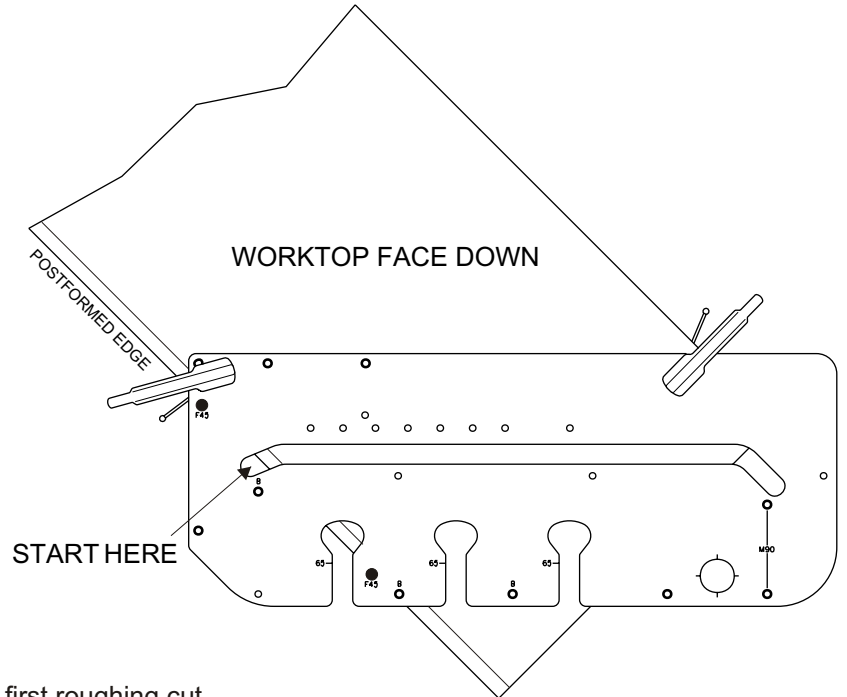
Cutting the slots for male joining bolts

1. Place worktop face **down** with the post formed edge as shown in the diagram.
2. Place 3 location pins in the holes marked **B** as shown in the diagram.
3. Place the jig as shown in the diagram below and make sure all 3 pins are pushed firmly against the edge of the worktop.
4. Secure the jig with the G-clamps.
5. Two cuts of 10mm are required for the slots.
6. Repeat step 5 for all the slots required.



LEFT HAND 45° JOINTS FEMALE

1. Place the worktop face **down** and the postformed edge as shown in the diagram.
2. Place **2** pins in the holes marked **F45**.
3. Position the jig as shown in the diagram below. Make sure the back edge of the jig is lined up with the pencil mark (650mm from the centre line - see cutting to size diagram).
4. Make sure both pins are pushed firmly against the worktop edge.
5. Secure the jig with the G-clamps.

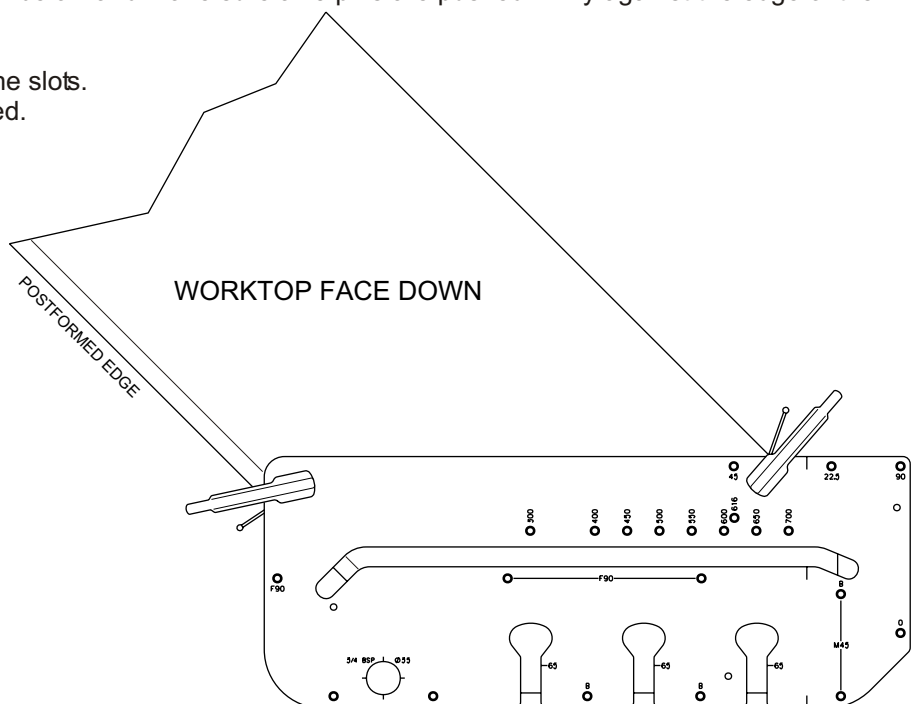


Cutting instructions

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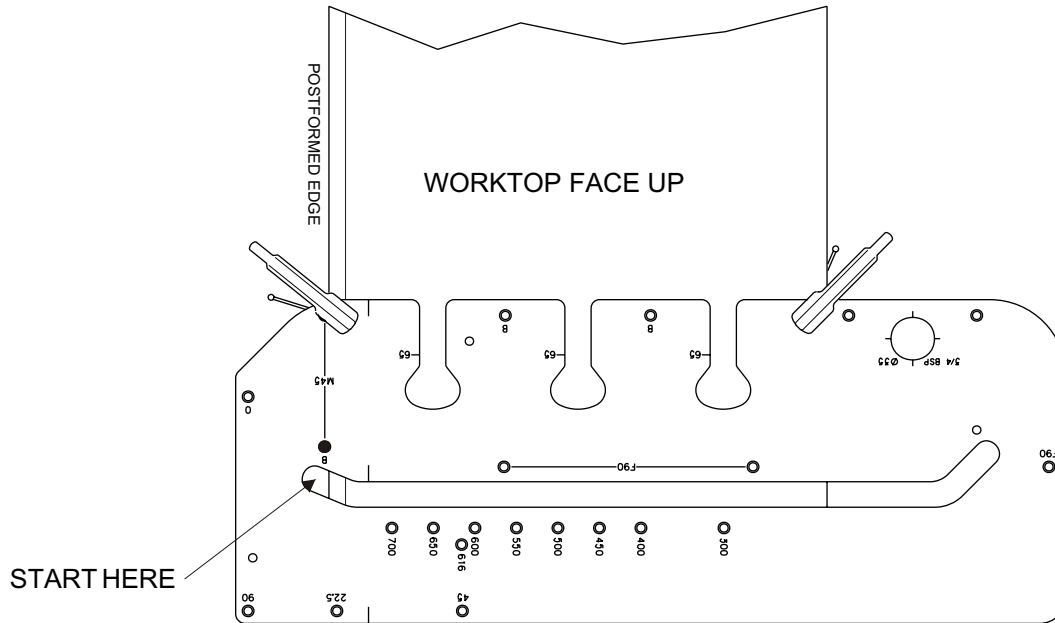
Cutting the slots for female joining bolts

1. Place worktop face **down** with the post formed edge as shown in the diagram.
2. Make sure the shaded area is cut off for the appropriate width of the worktop (see cutting to size diagram).
3. Place 3 location pins in the holes marked **B** as shown in the diagram.
4. Place the jig as shown in the diagram below and make sure all 3 pins are pushed firmly against the edge of the worktop.
5. Secure the jig with the G-clamps.
6. Two cuts of 10mm are required for the slots.
7. Repeat step 5 for all the slots required.



LEFT HAND 45° JOINTS MALE

1. Place the worktop face **up** and the postformed edge as shown in the diagram.
2. Place **2** pins in the holes marked **M45**.
3. Position the jig as shown in the diagram below, and make sure both pins are pushed firmly against the worktop edge.
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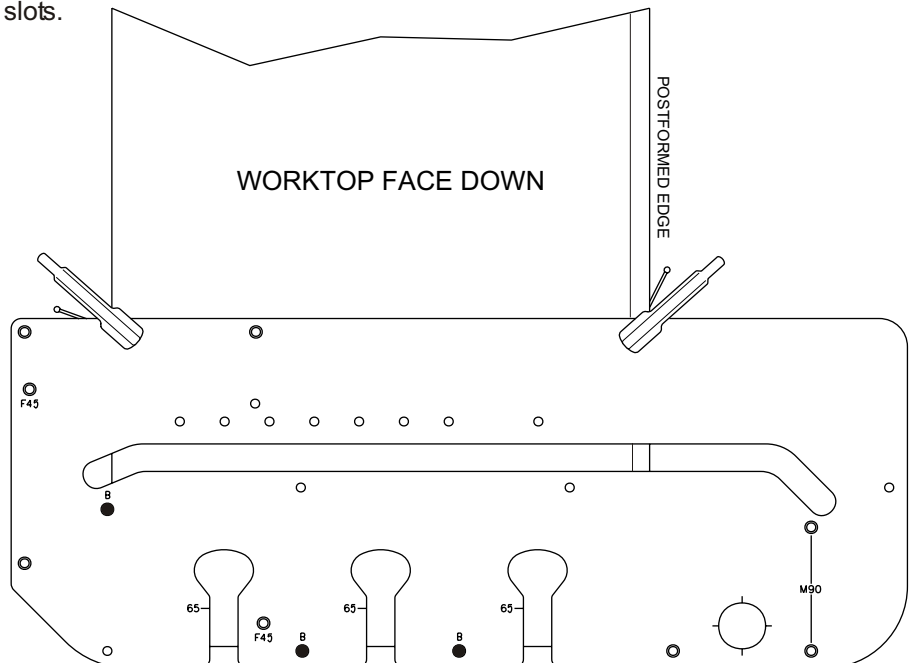


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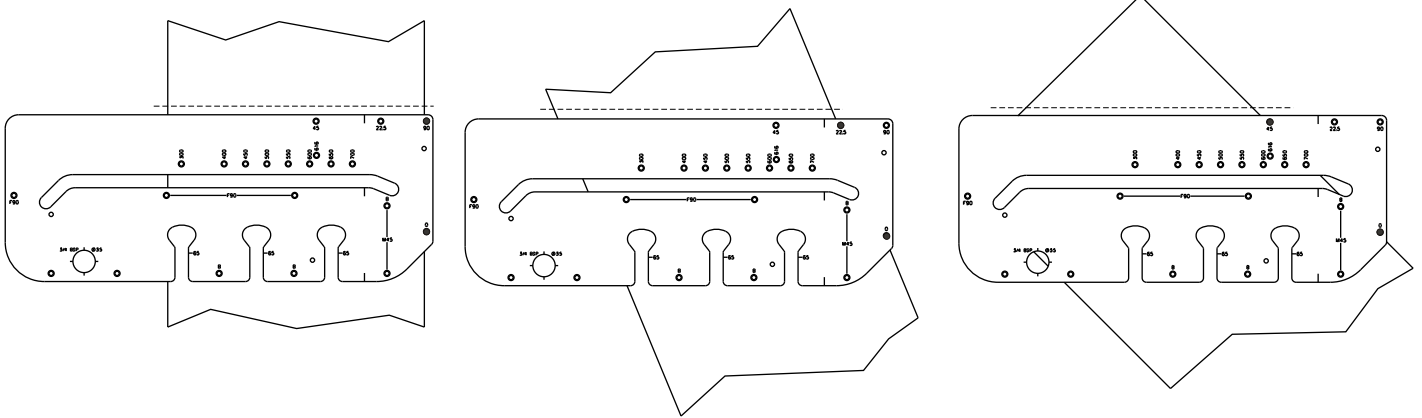
Cutting the slots for male joining bolts

1. Place worktop face **down** with the post formed edge as shown in the diagram.
2. Place 3 location pins in the holes marked **B** as shown in the diagram.
3. Place the jig as shown in the diagram below and make sure all 3 pins are pushed firmly against the edge of the worktop.
4. Secure the jig with the G-clamps.
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6. Repeat step 5 for all the slots required.



EXTRA FEATURES

CUTTING ANGLES/CHAMFERS

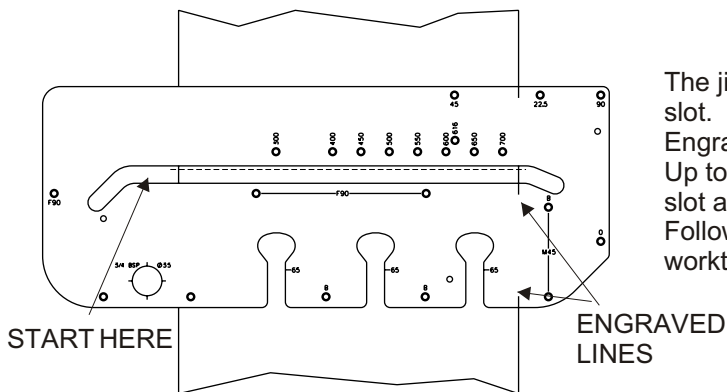


1. Place a pin in the hole marked 0, and another pin in the hole corresponding to the angle you require, 90°, 22.5°, or 45°.
2. Position the jig as shown in the corresponding diagram above.
3. Use top edge of jig to mark the required angle, or secure with G-clamps and use top edge of the jig as a guided edge for cutting.

Note: If using a router then make sure the cutter cuts into the postformed edge to avoid chipping and do not set the router to cut more than 12mm per pass.

Note: If using a router the cut will be 9mm away from the worktop edge because of the bush/cutter offset. Take this into consideration when positioning the jig.

SQUARE END CUTTING WORKTOPS

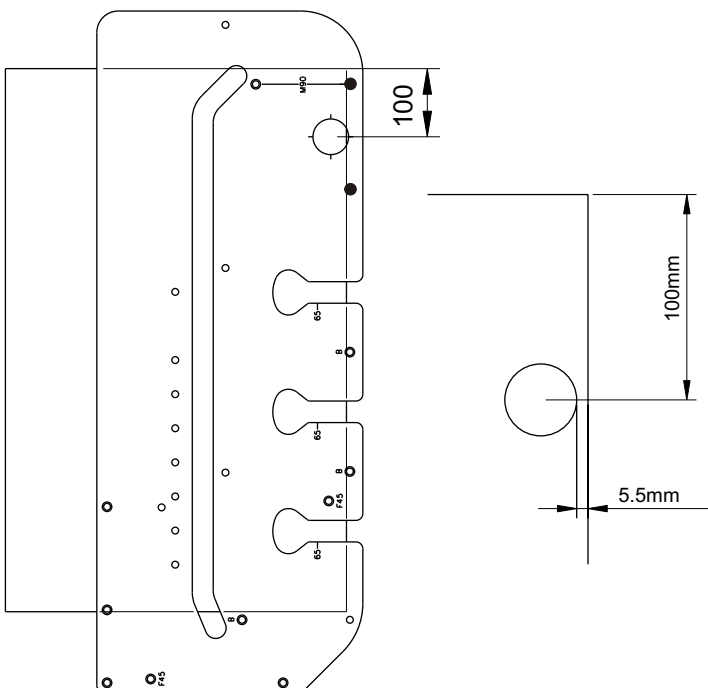


The jig can be used to square cut the worktop using the central slot.

Engraved lines on the jig correspond to the edge of the worktop. Up to 650mm wide worktops can be square cut using the central slot as a router guide.

Follow the cutting instructions on previous pages to cut the worktop.

CUTTING CABINET DOOR HINGE RECESSES



1. Mark the position of the hinge on the door. The centre of the holes should be roughly 100mm from the top of the door to give the required support, ensure this measurement is as accurate as possible.
2. Position 2 pins in the holes marked in the diagram left.
3. Position the jig as shown in the diagram with the 2 pins pushed up against the edge of the door.
4. Secure the jig with G-clamps.
5. Set the depth for 10mm.
6. Commence cutting of the recess making sure to clean out the material in the centre of the hole as well as round the edge.
7. Repeat step 5, increasing the cut by 2mm, therefore setting the total depth for 12mm. (This should be enough clearance for most hinges. Adjust this value if you require holes for thicker hinge heads).