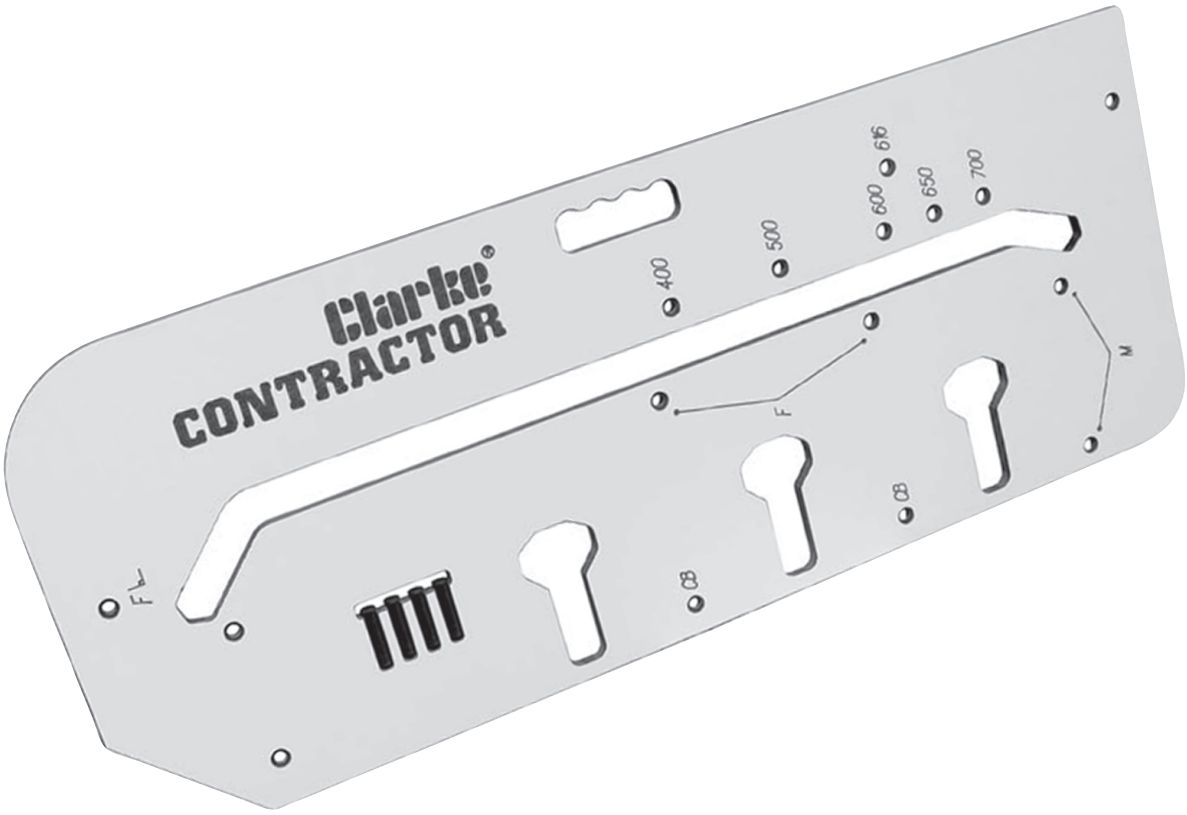
Clarke®

CONTRACTOR



WORKTOP JIG

Model No: CWJ700/CWJ900
Part No: 6462118/6462119

OPERATION & MAINTENANCE
INSTRUCTIONS

CE

0305

Please note that the details and specifications contained herein, are correct at the time of going to print. However, CLARKE International reserve the right to change specifications at any time without prior notice.

Thank you for purchasing this CLARKE Worktop Jig.

Before attempting to use the jig, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to the jig giving you long and satisfactory service.

CLARKE GUARANTEE

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

Specifications

Model Nos: ..... CWJ700 & CWJ900
Part Nos: ..... 6462118 & 6462119

Worktop Jig

- For cutting left and right standard 90° and 45° joints.
- For cutting connecting bolt recesses.
- Cuts worktops ranging from 400mm to 900mm wide (model dependant).
- Integral carry handle.
- Snap in peg storage holder, includes 3 pegs.

Replacement pegs available from your Clarke dealer.

Part No:WTJIG-01-PEGS-BK

Tools required (not supplied) for use with the worktop jig

- 12mm (½") router capable of holding a 30mm guide bush.
- 30mm guide bush.
- ½" tungsten carbide router bit.
- Minimum of two quick action woodworking clamps.

NOTE: worktop corners can be shaped using one of the four corners of the jig as a template, there are three radii (10mm, 50mm & 100mm) the fourth corner is 45°. Example shown on page 17.

Tip: wherever possible, ALWAYS cut the joint before cutting wortop to length, this allows for rectifiication in the event of minor mistakes when cutting the joint.

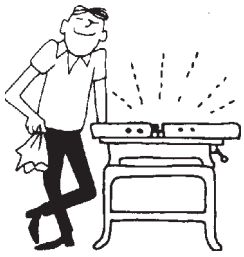
Safety Precautions

WARNING:

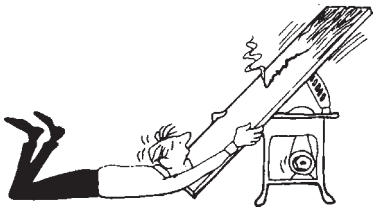
As with all machinery, there are certain hazards involved with their operation and use. Exercising respect and caution will considerably reduce the risk of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator or damage to property, may result.

1. **ALWAYS** Learn the equipments applications, limitations and any specific potential hazards peculiar to it. Read and become familiar with the entire operating manual.
2. **ALWAYS** use a face or dust mask if operation is particularly dusty.
3. **ALWAYS** check for damage. Before using tools and equipment, any damaged should be checked to ensure that it will operate properly, and perform its intended function. Check for alignment of moving parts, breakage of parts, mountings and any other condition that may affect the equipments operation. Any damage should be properly repaired or the part replaced. If in doubt, **DO NOT** use. Consult expert advice.
4. **ALWAYS** disconnect power tools from the electric supply before servicing and when making adjustments or changing accessories etc.
5. **ALWAYS** wear safety goggles, manufactured to the latest European Safety Standards. Everyday eyeglasses do not have impact resistant lenses, they are not safety glasses.

6. **ALWAYS** keep work area clean. Cluttered areas and benches invite accidents.
7. **ALWAYS** ensure that adequate lighting is available. A minimum intensity of 300 lux should be provided. Ensure that lighting is placed so that you will not be working in your own shadow.
8. **ALWAYS** keep children away. All visitors should be kept a safe distance from the work area, especially whilst working with tools particularly power tools.

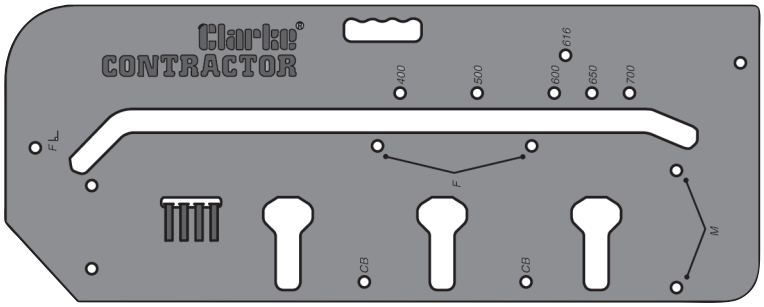


9. **ALWAYS** maintain equipment in top condition. Keep tools/machines clean for the best and safest performance. Follow maintenance instructions.
10. **ALWAYS** handle with extreme care. Do not carry tools/machines by the electric cable, or yank the cable to disconnect it from the power supply.
11. **ALWAYS** ensure the switch is off before plugging in to mains. Avoid accidental starting.
12. **ALWAYS** concentrate on the job in hand, no matter how trivial it may seem. Be aware that accidents are caused by carelessness due to familiarity.



13. **ALWAYS** keep your proper footing and balance at all times, don't overreach. For best footing, wear rubber soled footwear. Keep floor clear of oil, scrap wood etc.
14. **ALWAYS** seek assistance when lifting heavy objects (worktops etc).

Using The Jig

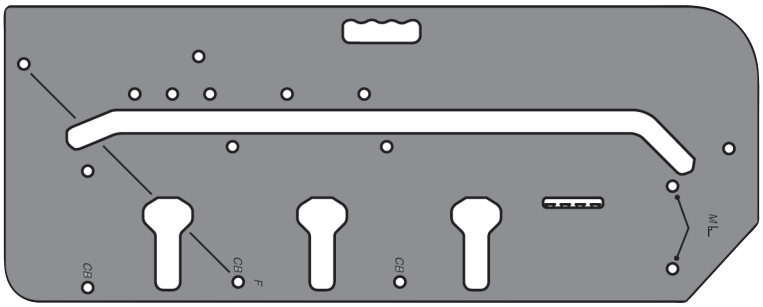


Front View

Fig. 1

Rear View

Fig. 2



Before Starting:

ALWAYS

- ensure the worktop is firmly supported on trestles or similar.
- ensure the jig is firmly secured to the worktop using no less than 2 quick woodworking clamps or similar.
- ensure there are no obstructions in the path of the router, also the router cutter beneath the worktop, i.e. the cutter doesn't cut into the bench/trestle when cutting through the worktop.
- use only good quality sharp tungsten router bits.
- cut **into** the post form edge (curved edge) of the worktop to avoid break out or chipping of the laminate.
- keep the router vertical to the jig and laminate.
- keep the jig surface clean.

NEVER

- exceed 10mm depth of cut in one pass.
- remove or position the router whilst the cutter is still rotating.

PLEASE NOTE: for illustrative purposes only, all diagrams and instructions in this manual make reference to 700mm worktops, but apply equally to all sizes of worktop ranging from 400mm to 900mm

Standard Joints

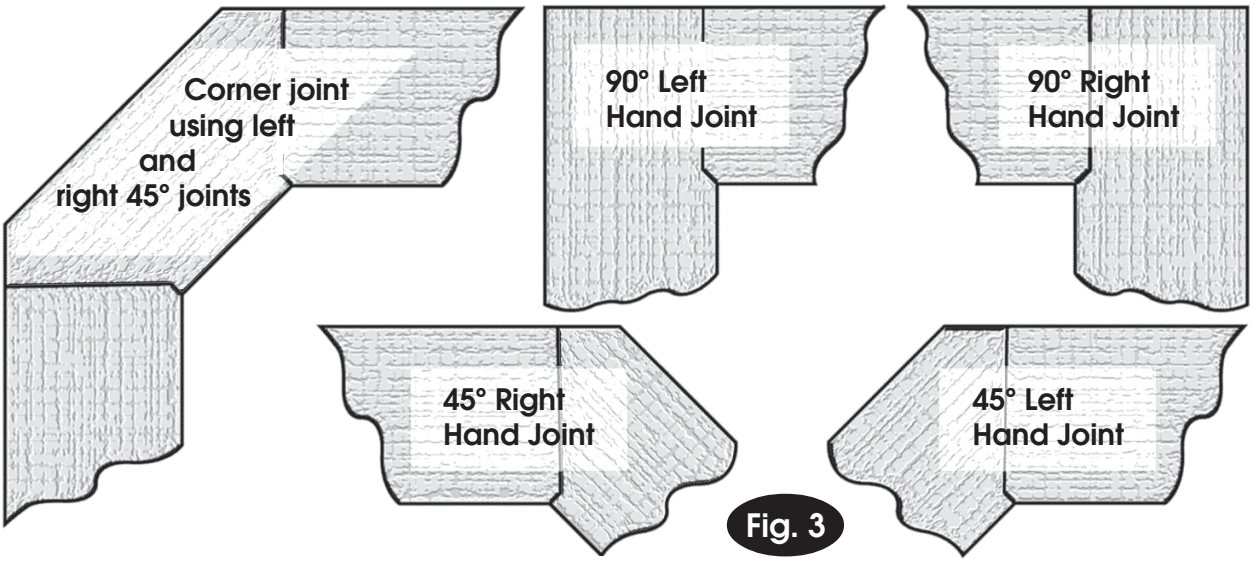


Fig. 3

Before commencing, prepare the router by removing the fence guide etc if fitted, attach the 30mm guide bush and if available, a dust extractor, also install the cutter. Put the router safely to one side until ready to use.

Left Hand 90° Joints

1. **Female joint (Fig. 4) -** prepare the worktop with laminate face up and the post form (curved edge) towards you.
2. Fully insert three pins in the holes marked ***'F'***.
3. Fully insert fourth pin in the hole corresponding to the worktop width (e.g.700mm).

NOTE: when inserting pins, ensure the heads finish up below the jig surface, otherwise the router will not sit flat on the jig resulting in ill fitting joints.

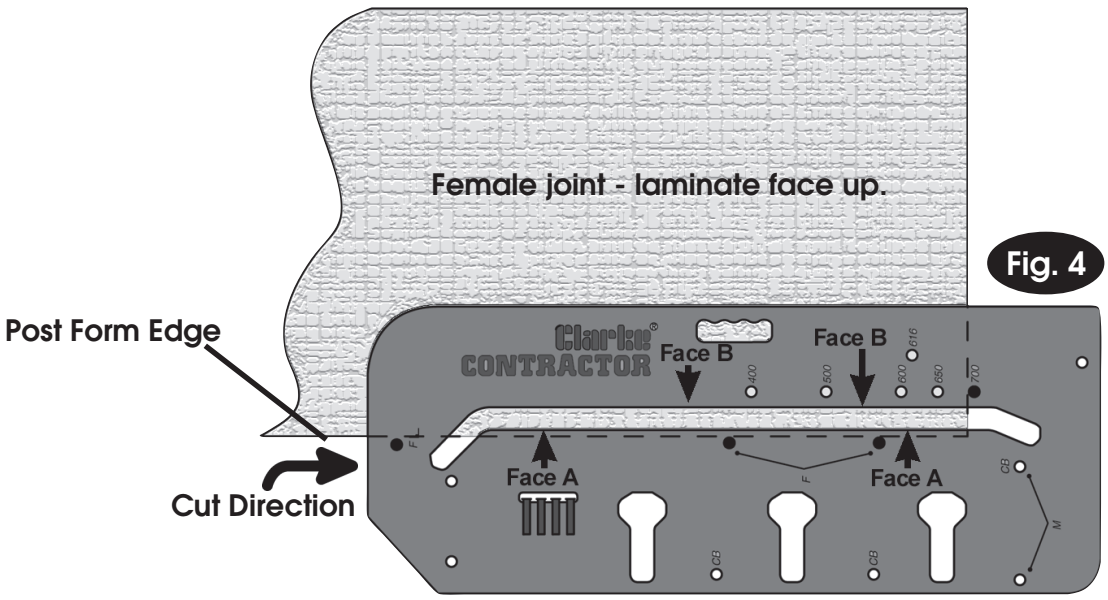


Fig. 4

4. Ensure the 3 pins in holes ***'F'*** are pushed firmly against the post formed edge, and the fourth pin in the hole marked with the worktop width is pushed firmly against the worktop edge.
5. Firmly clamp the jig onto the worktop ensuring the clamps do not obstruct the router path.
6. **Cutting-**Position the router (guide bush) in the jig slot at the post form end, ensure the router base is flush on the jig surface. Set the cut depth to 10mm max.
7. **IMPORTANT**: Ensure the router is pulled towards the slot edge nearest you (**Face 'A' Fig.4**). Switch the router ON and slowly move it, held firmly against face A, until the far end of the workpiece is reached. Switch OFF and wait for the cutter to stop spinning.
8. Lift the router out off the slot and return it to the start position again, increase the depth of cut a further 10mm and make a second pass. Keep repeating steps **7** & **8** until the cut is complete, i.e. the cutter is below the bottom of the worktop.
9. Switch the router OFF and wait for it to stop spinning, return the router to the start position again. Switch ON, this time, push the router against the slot edge **furthest** from you **(Face 'B', Fig.4)** and make one finishing cut **AT FULL DEPTH**. When finished, switch OFF and wait for the cutter to stop spinning, remove the router and jig, store them away safely for reuse.
10. **Male Joint (Fig. 5) -** Place the worktop with the laminate face down, taking care to protect the surface.
11. Fully insert two pins in the jig holes marked ***'M'*** with angle symbol ⌞.
12. Refer to page 10, (cutting to length) to determine where to mark the pencil line for positioning the jig on the worktop.

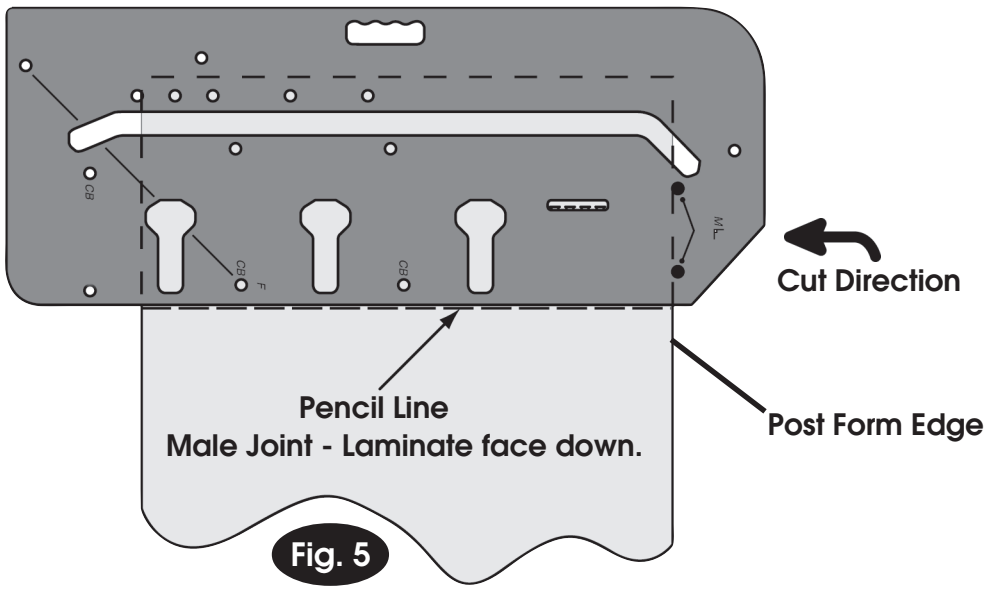


Fig. 5

13. Ensure the two pins in holes ***'M'*** are pushed firmly against the post form edge and the jig lined up on the pencil line as above (**Fig. 5**).
14. Firmly clamp the jig to the worktop ensuring it doesn't move as you do so. Ensure the clamps do not obstruct the router path.
15. **Cutting -** follow steps **6 - 9** above.

16. **Female Bolt Recesses (Fig. 6) -** Place the worktop with the laminate face down.

17. Fully insert three pins in holes marked ***'CB'.***

18. Clamp the jig to the worktop ensuring the three pins are firmly pushed up to the cut out face and the worktop edge. Ensure clamps do not obstruct the router path.

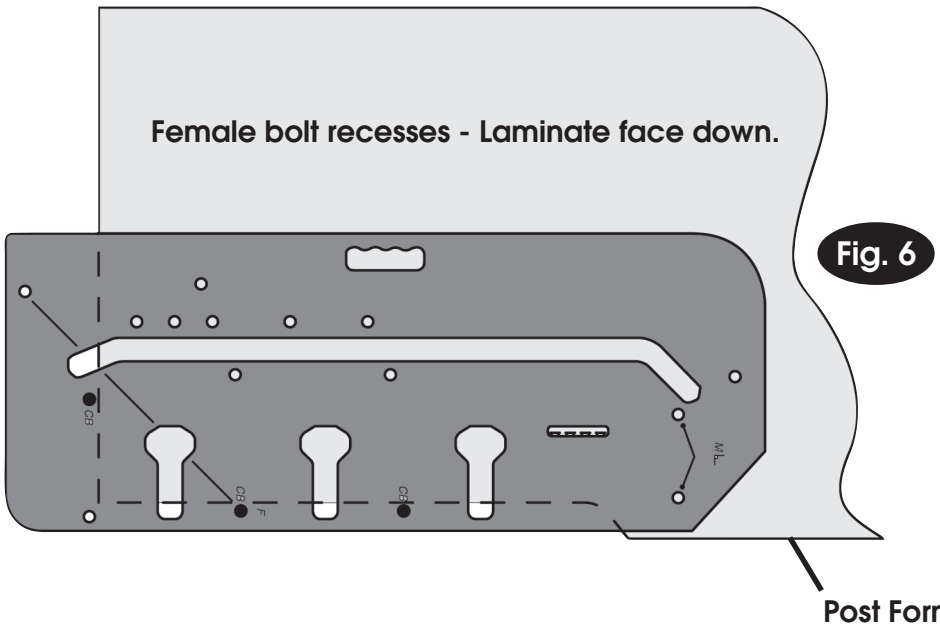


Fig. 6

19. Place the router into the front of one of the clamp bolt recesses, set the depth of cut to 10mm max. Switch the router ON and machine the recess. When done, switch the router OFF and wait for the cutter to stop spinning. Return the router to the back again. Increase the depth of cut a further 10mm and machine the recess again. When finished, switch the router OFF and wait for it to stop spinning.

20. Repeat step **19** for the other 2 recesses (other 3 recesses for 900mm worktops).

IMPORTANT

Recesses must be no deeper than 20mm maximum.

21. **Male Bolt Recesses (Fig. 7) -** Place the worktop with laminate face down.

22. Fully insert 3 pins in the holes marked ***'CB'.***

23. Clamp the jig to the worktop ensuring all 3 pins are pushed firmly against the worktop. Ensure clamps do not obstruct the router path.

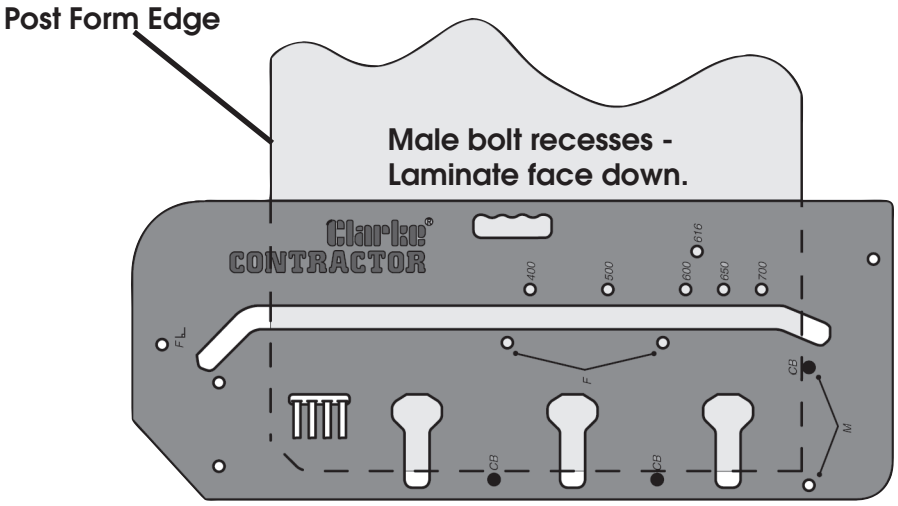


Fig. 7

24. Place the router into the front of one of the clamp bolt recesses, set the depth of cut to 10mm max. Switch the router ON and machine the recess. When done, switch the router OFF and wait for the cutter to stop spinning. Return the router to the back again. Increase the depth of cut a further 10mm and machine the recess again. When finished, switch the router OFF and wait for it to stop spinning.

25. Repeat step **24** for the other 2 recesses (other 3 recesses for 900mm worktops).

IMPORTANT

Recesses must be no deeper than 20mm maximum.

Right Hand 90° Joint

1. **Female joint (Fig. 8) -** prepare the worktop with the laminate face down and the post form edge towards you.
2. Fully insert 2 pins in the holes marked ***'F'*** .
3. Fully insert third pin in hole corresponding to the worktop width (e.g.700mm).
4. Ensure the 2 pins in holes ***'F'*** are pushed firmly against the post form edge, and the third pin in the worktop width hole is pushed firmly against the worktop edge.

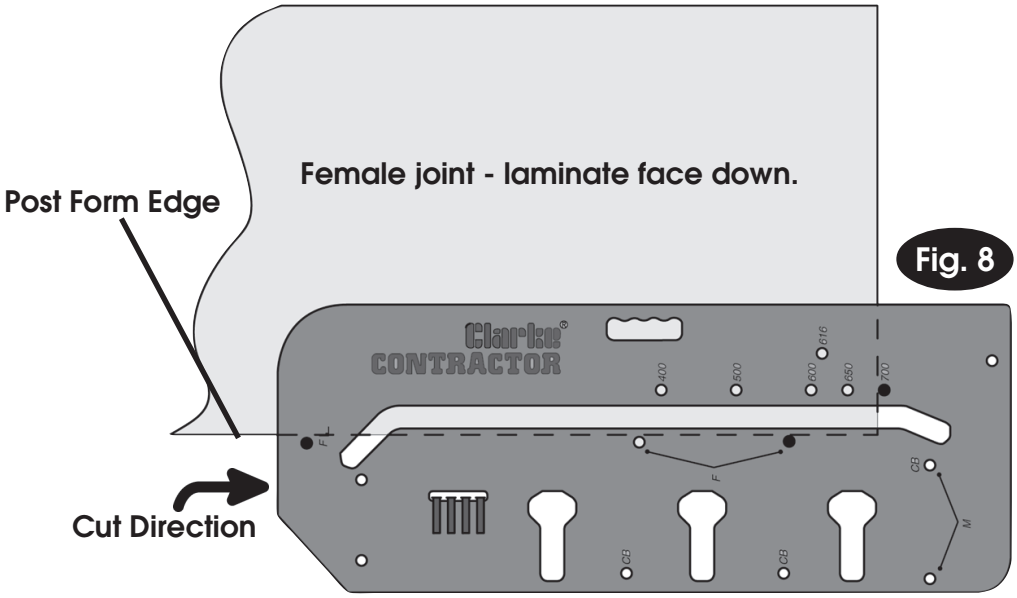


Fig. 8

5. Firmly clamp the jig onto the worktop ensuring the clamps do not obstruct the router path.
6. **Cutting -** follow steps **6 - 9** on page 6.
7. **Male Joint (Fig. 9) -** Place the worktop with the laminate face up.
8. Fully insert two pins in the jig holes marked ***'M'*** with angle symbol ⌞ .
9. Refer to page 10, (cutting to length) to determine where to mark the pencil line for positioning the jig on the worktop.
10. Ensure the two pins in holes ***'M'*** are pushed firmly against the post form edge and the jig lined up on the pencil line as above (**Fig. 9** overleaf).

11. Firmly clamp the jig to the worktop ensuring it doesn't move as you do so. Ensure the clamps do not obstruct the router path.

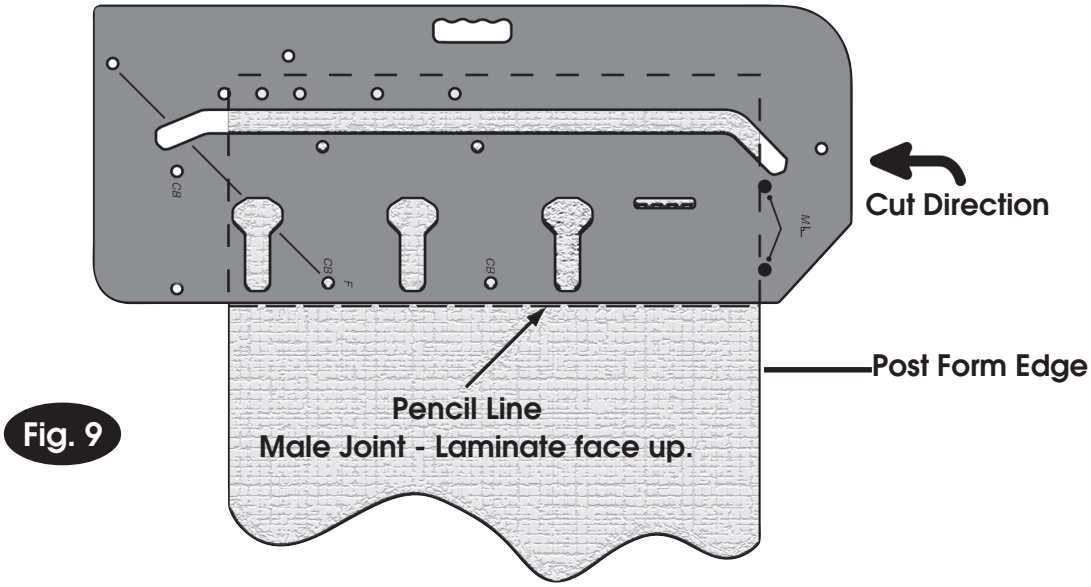


Fig. 9

12. **Cutting -** follow steps **6 - 9** on page 6.

13. **Female Bolt Recesses (Fig. 10) -** Place the worktop with the laminate face down.

14. Fully insert three pins in holes marked ***'CB'***.

15. Clamp the jig to the worktop ensuring the three pins are firmly pushed up to the cut out face and the worktop edge. Ensure clamps do not obstruct the router path.

16. Place the router into the front of one of the clamp bolt recesses, set the depth of cut to 10mm max. Switch the router ON and machine the recess. When done, switch the router OFF and wait for the cutter to stop spinning. Return the router to the back again. Increase the depth of cut a further 10mm and machine the recess again. When finished, switch the router OFF and wait for it to stop spinning.

17. Repeat step **16** for the other 2 recesses (other 3 recesses for 900mm worktops).

IMPORTANT

Recesses must be no deeper than 20mm maximum.

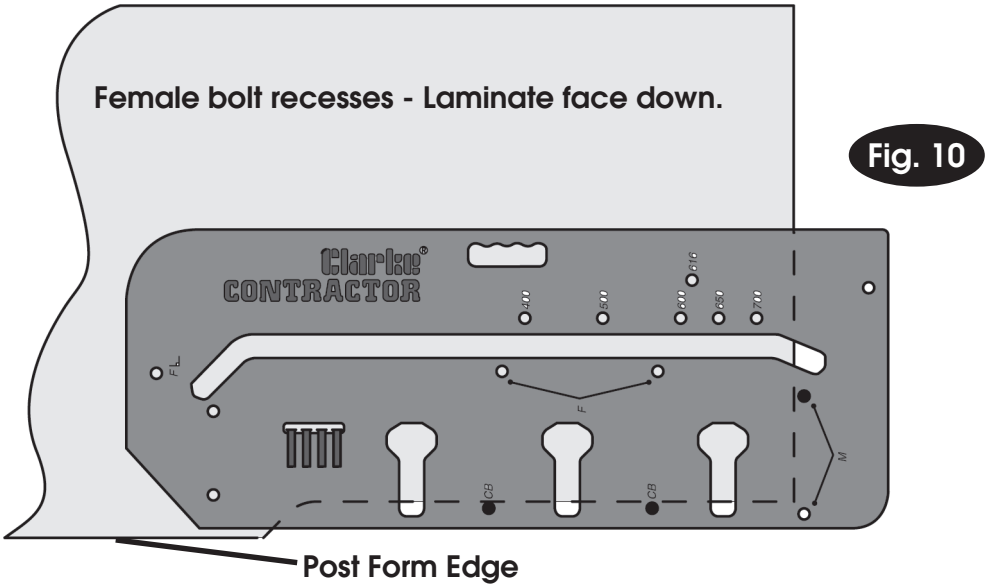


Fig. 10

18. **Male Bolt Recesses (Fig. 11) -** Place the worktop with laminate face down.

19. Fully insert 3 pins in the holes marked ***'CB'.***

20. Clamp the jig to the worktop ensuring all 3 pins are pushed firmly against the worktop. Ensure clamps do not obstruct the router path.

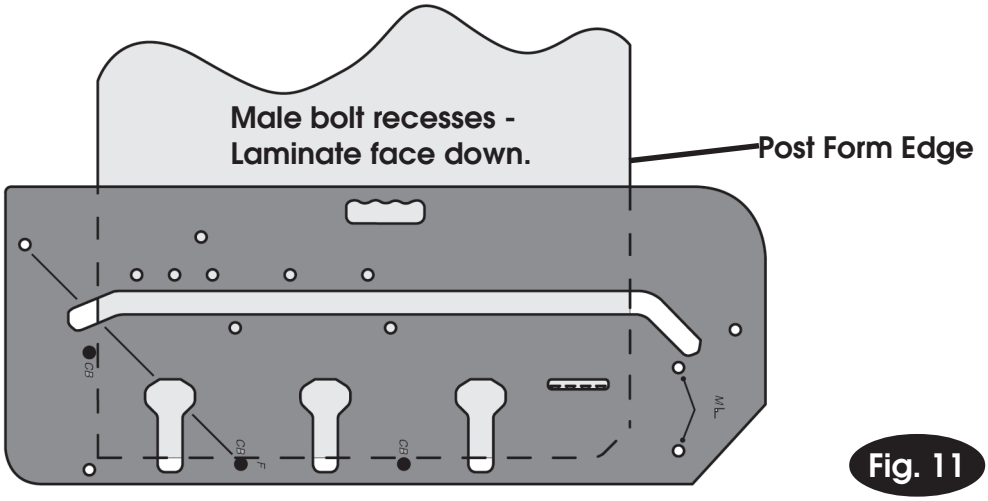


Fig. 11

21. Place the router into the front of one of the clamp bolt recesses, set the depth of cut to 10mm max. Switch the router ON and machine the recess. When done, switch the router OFF and wait for the cutter to stop spinning. Return the router to the back again, increase the depth of cut a further 10mm and machine the recess again. When finished, switch the router OFF and wait for it to stop spinning.

22. Repeat step **21** for the other 2 recesses (other 3 recesses for 900mm worktops).

IMPORTANT

Recesses must be no deeper than 20mm maximum.

Cutting To Length

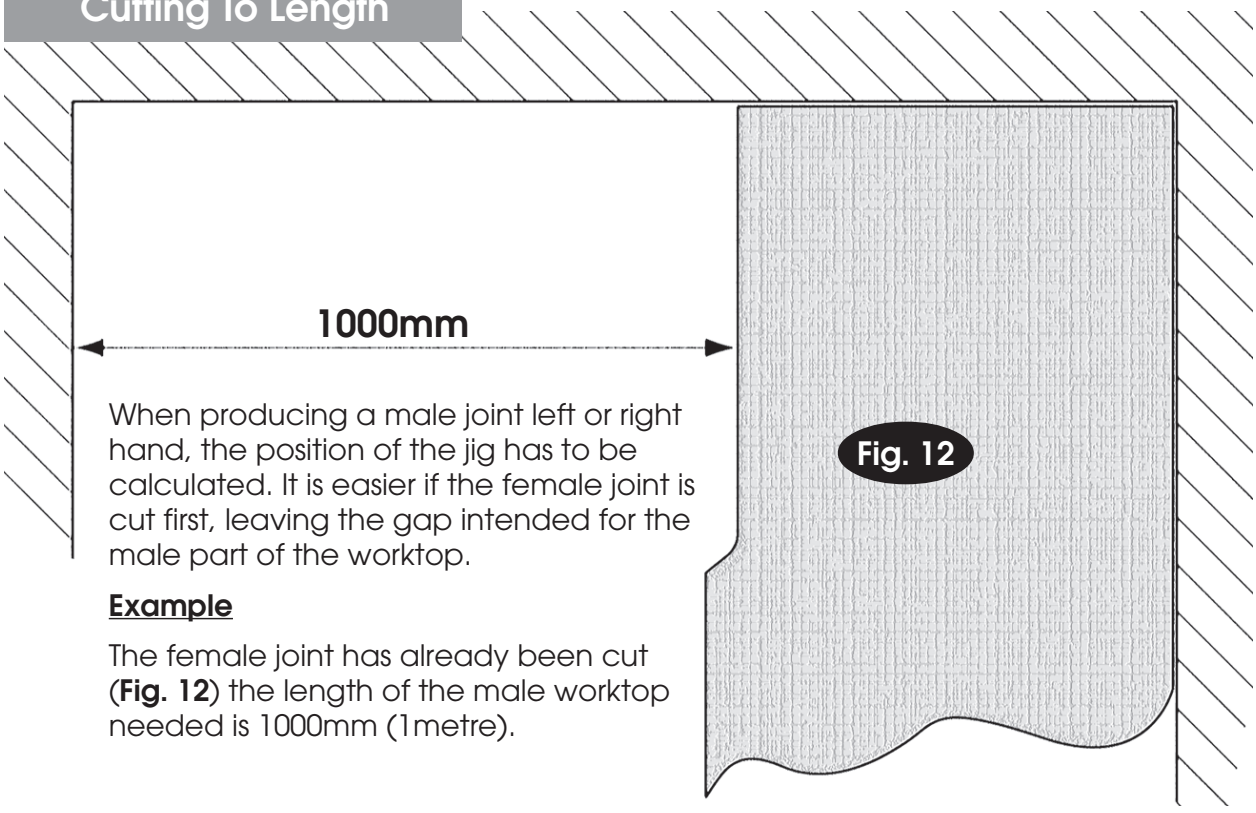


Fig. 12

When producing a male joint left or right hand, the position of the jig has to be calculated. It is easier if the female joint is cut first, leaving the gap intended for the male part of the worktop.

Example

The female joint has already been cut (**Fig. 12**) the length of the male worktop needed is 1000mm (1metre).

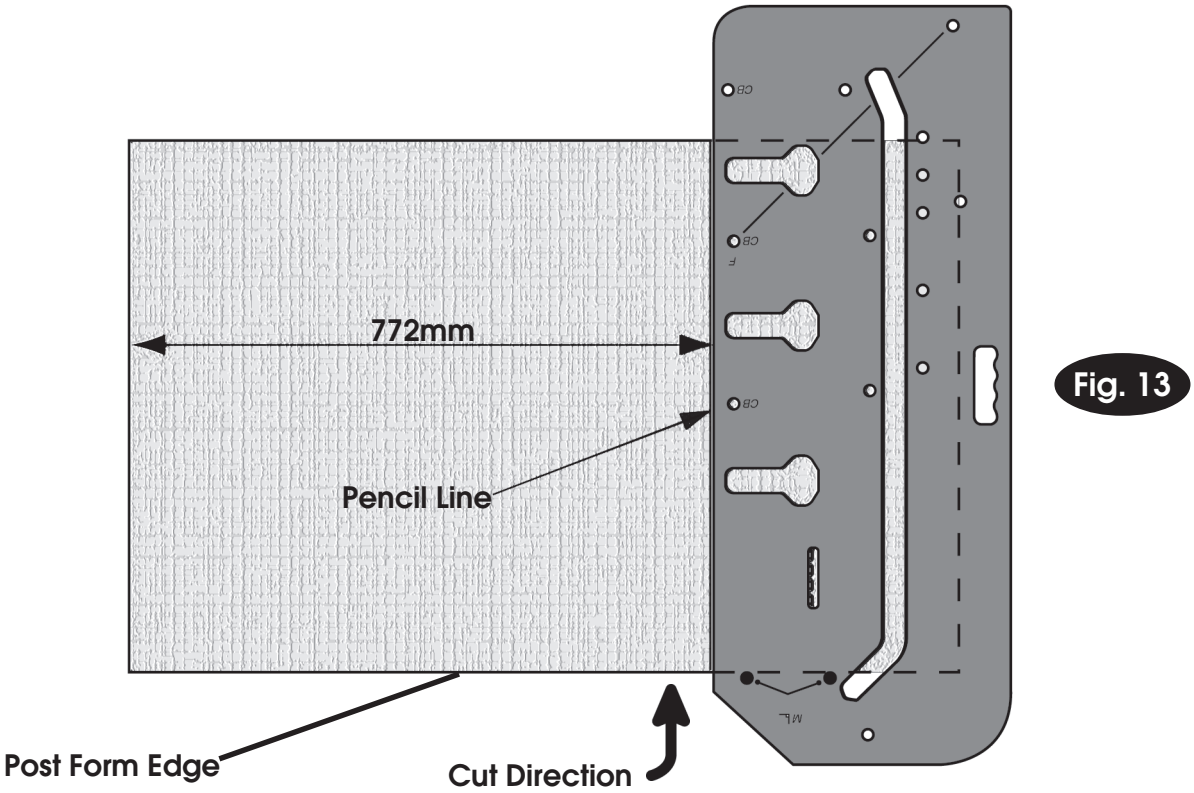


Fig. 13

Position the jig onto the worktop to be cut into the male piece, referring back to the instructions for cutting 90° joints. Subtract 228mm from the intended length,

e.g. 1000mm - 228mm = 772mm. Position the worktop jig 772mm from the opposite end of the worktop you are cutting.

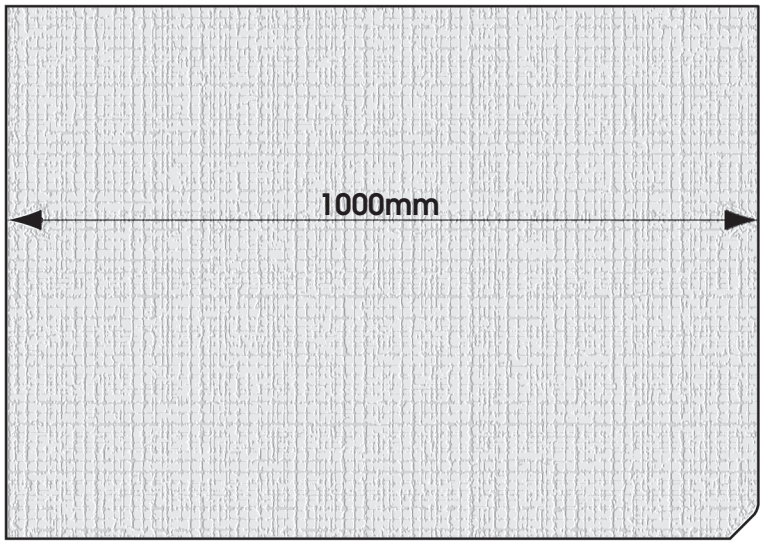


Fig. 14

Left Hand 45° Joints

1. **Female joint (Fig. 15) -** Refer to the diagrams on the different joints available. Prepare the worktop with the laminate face up and the post form edge towards the left.
2. Fully insert 2 pins in the holes marked ***'F'.***
3. Position the jig as in **Fig. 15** so that when the cut has been made, there is sufficient length to enable trimming to length, see **Fig. 16** over.

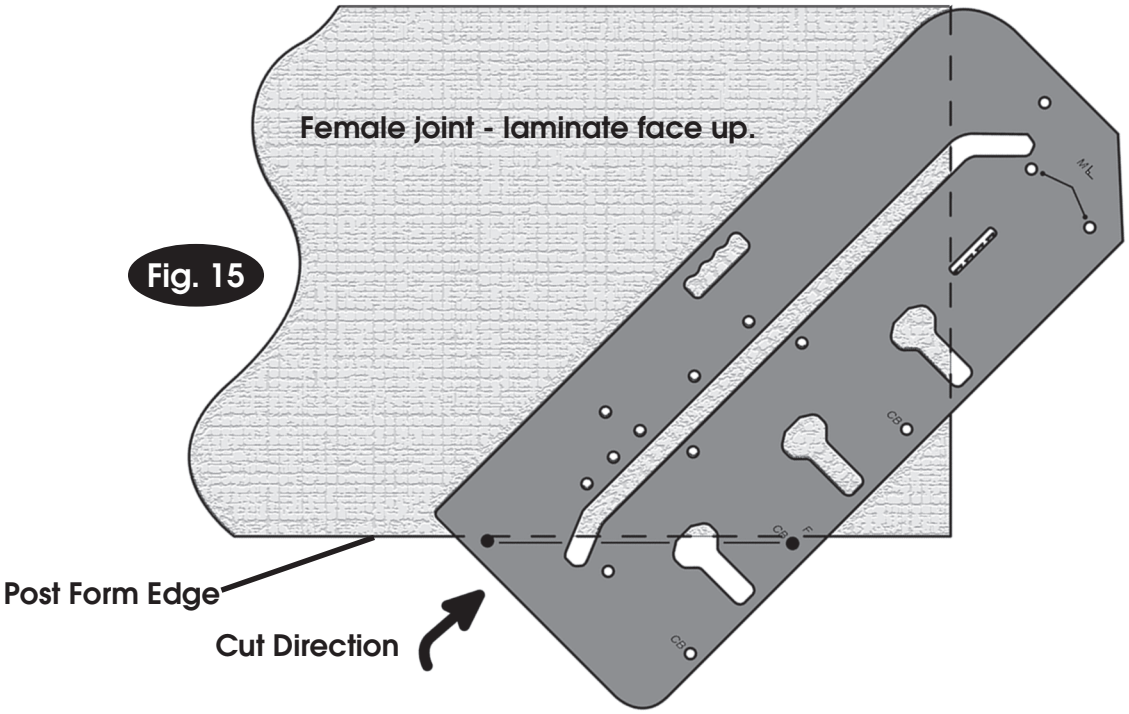


Fig. 15

4. Ensure the 2 pins in holes ***'F'*** are pushed firmly against the post form edge of the worktop, clamp the jig to the worktop ensuring clamps do not obstruct the router path.
5. Once the cut is complete, remove the excess (**Fig. 16** hatched area), using either the router or a fine tooth saw.
6. **Cutting** - Follow steps **6 - 9** on page 6.

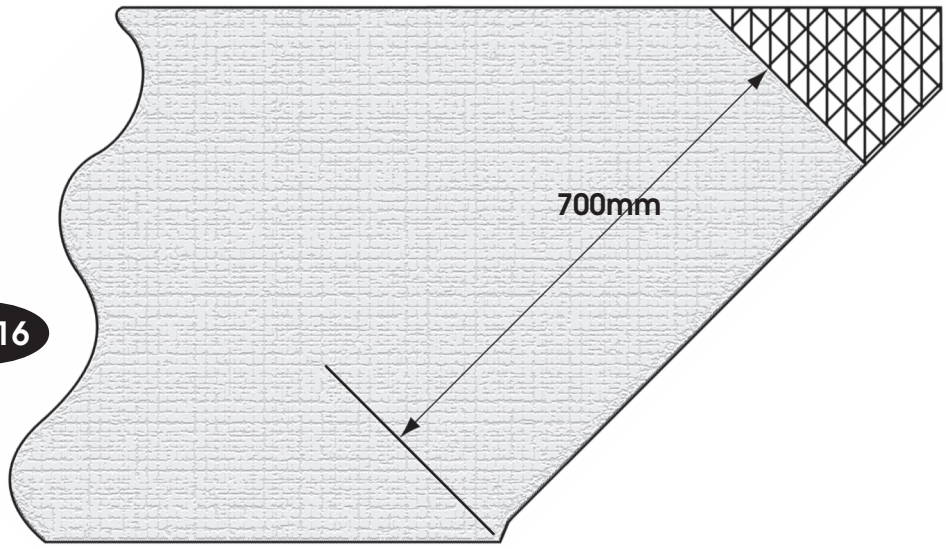


Fig. 16

7. **Male Joint (Fig. 17) -** Place the worktop with the laminate face down, taking care to protect the surface.
8. Fully insert two pins in the jig holes marked ***'M'*** with angle symbol ⌞.
9. Refer to page 10, (cutting to length) to determine where to mark the pencil line for positioning the jig on the worktop.
10. Ensure the 2 pins in holes marked ***'M'*** are pushed firmly against the post form edge and the jig on the pencil line (**Fig. 17**).

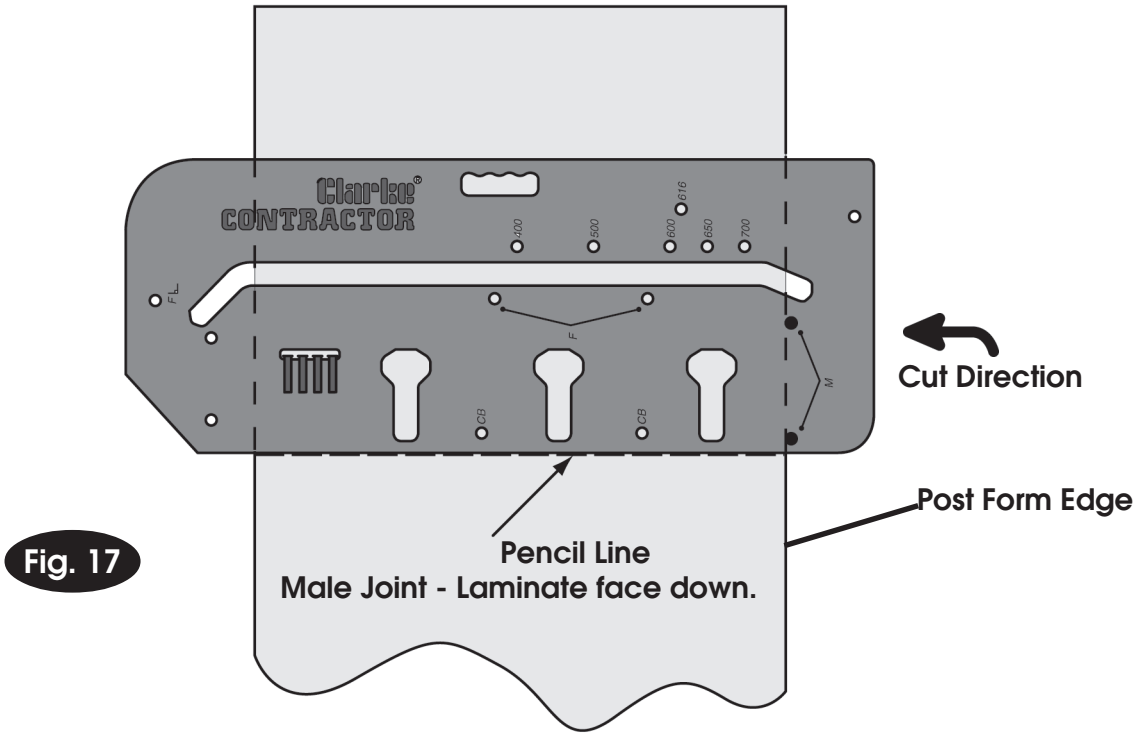


Fig. 17

11. Firmly clamp the jig to the worktop ensuring it doesn't move as you do so. Ensure the clamps do not obstruct the router path.

12. **Cutting** - Follow steps **6 - 9** on page 6.

13. **Female Bolt Recesses (Fig. 18) -** Place the worktop with the laminate face down.

14. Fully insert three pins in holes marked ***'CB'***.

15. Clamp the jig to the worktop ensuring the three pins are firmly pushed up to the cut out face and the worktop edge. Ensure clamps do not obstruct the router path.

16. Place the router into the front of one of the clamp bolt recesses, set the depth of cut to 10mm max. Switch the router ON and machine the recess. When done, switch the router OFF and wait for the cutter to stop spinning. Return the router to the back again. Increase the depth of cut a further 10mm and machine the recess again. When finished, switch the router OFF and wait for it to stop spinning.

17. Repeat step **16** for the other 2 recesses (other 3 recesses for 900mm worktops).

IMPORTANT

Recesses must be no deeper than 20mm maximum.

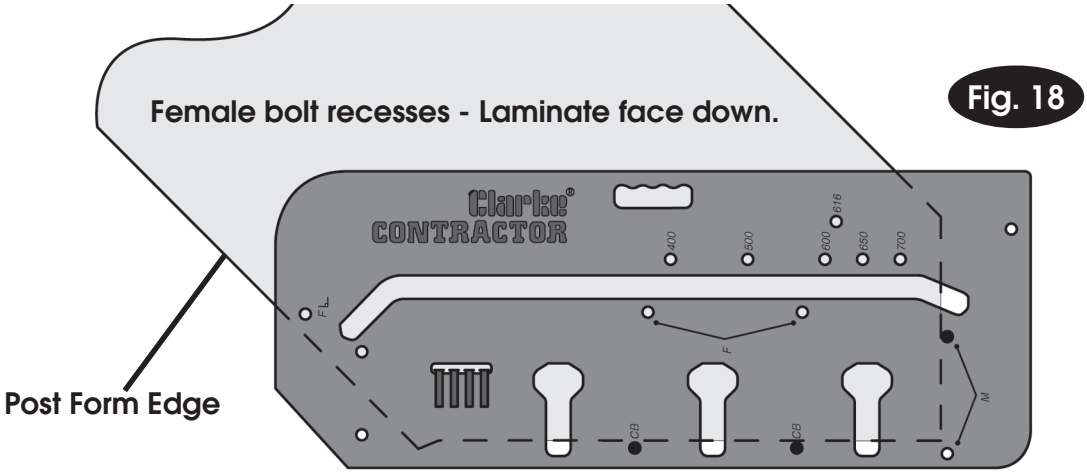
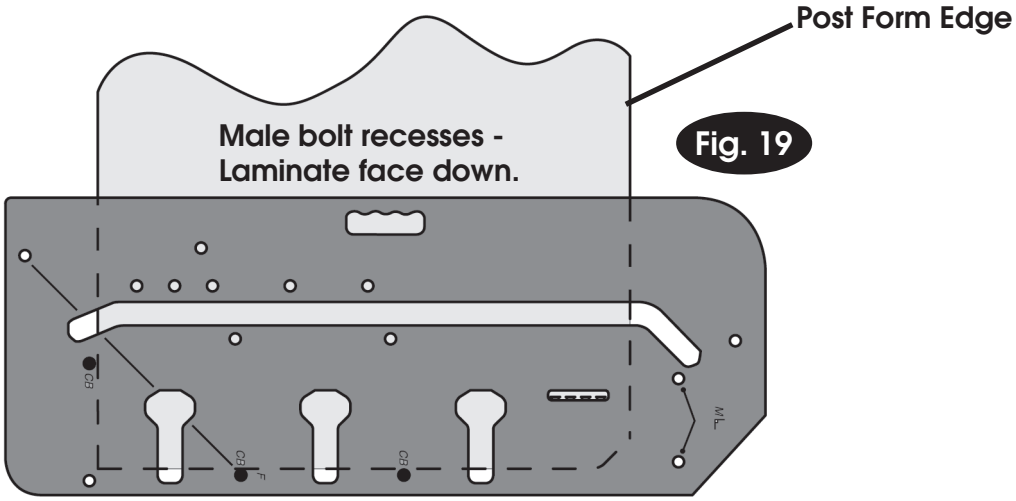


Fig. 18

18. **Male Bolt Recesses (Fig. 19) -** Place the worktop with laminate face down.

19. Fully insert 3 pins in the holes marked ***'CB'.***

20. Clamp the jig to the worktop ensuring all 3 pins are pushed firmly against the worktop. Ensure clamps do not obstruct the router path.



21. Place the router into the front of one of the clamp bolt recesses, set the depth of cut to 10mm max. Switch the router ON and machine the recess. When done, switch the router OFF and wait for the cutter to stop spinning. Return the router to the back again. Increase the depth of cut a further 10mm and machine the recess again. When finished, switch the router OFF and wait for it to stop spinning.

22. Repeat step **21** for the other 2 recesses (other 3 recesses for 900mm worktops).

IMPORTANT

Recesses must be no deeper than 20mm maximum.

Right Hand 45° Joints

1. **Female joint (Fig. 20) -** Refer to the diagrams on the different joints available. Prepare the worktop with the laminate face down and the post form edge towards the left.

2. Fully insert 2 pins in the holes marked ***'F'.***

3. Position the jig as in **Fig. 15** so that when the cut has been made, there is sufficient length to enable trimming to length, see **Fig. 16** page 12.

4. Ensure the 2 pins in holes ***'F'*** are pushed firmly against the post form edge of the worktop, clamp the jig to the worktop ensuring clamps do not obstruct the router path.

5. Once the cut is complete, cut off the excess, see **Fig. 16**.

6. **Cutting** - Follow steps **6 - 9** on page 6.

CAUTION

To Prevent damage to the laminate surface, take extra care when working with laminate face down.

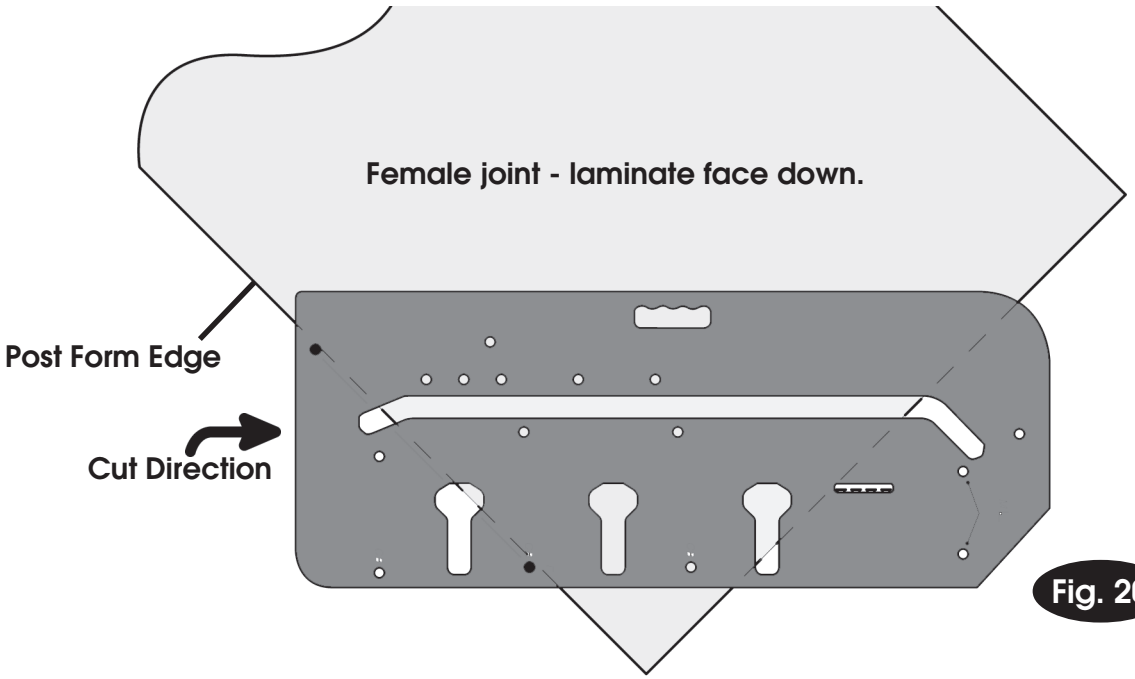


Fig. 20

7. **Male Joint (Fig. 21) -** Place the worktop with the laminate face up.
8. Fully insert two pins in the jig holes marked ***'M'*** with angle symbol ⌞.
9. Refer to page 10, (cutting to length) to determine where to mark the pencil line for positioning the jig on the worktop.
10. Ensure the 2 pins in holes marked ***'M'*** are pushed firmly against the post form edge and the jig on the pencil line (**Fig. 17**).

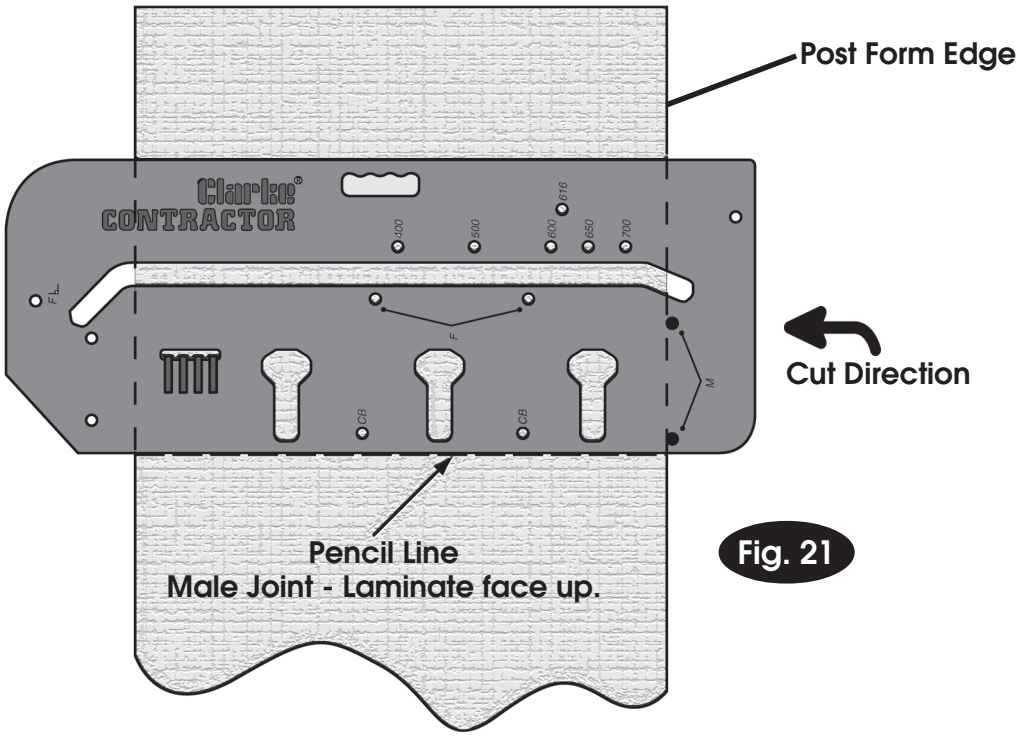
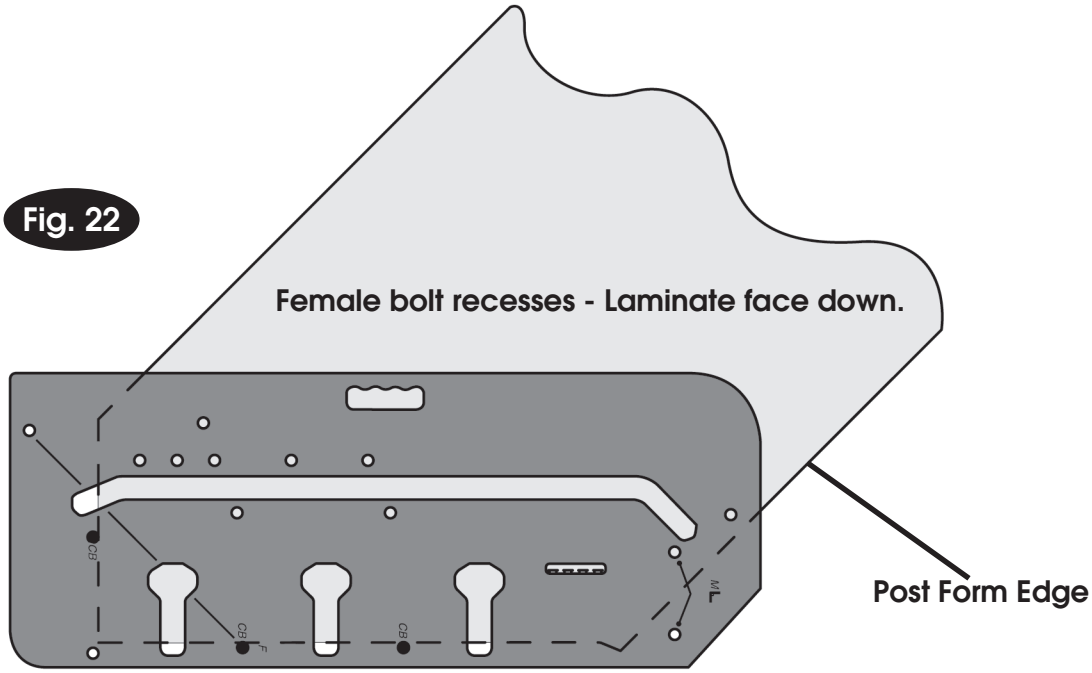


Fig. 21

11. Firmly clamp the jig to the worktop ensuring it doesn't move as you do so. Ensure the clamps do not obstruct the router path.
12. **Cutting** - Follow steps **6 - 9** on page 6.

Fig. 22



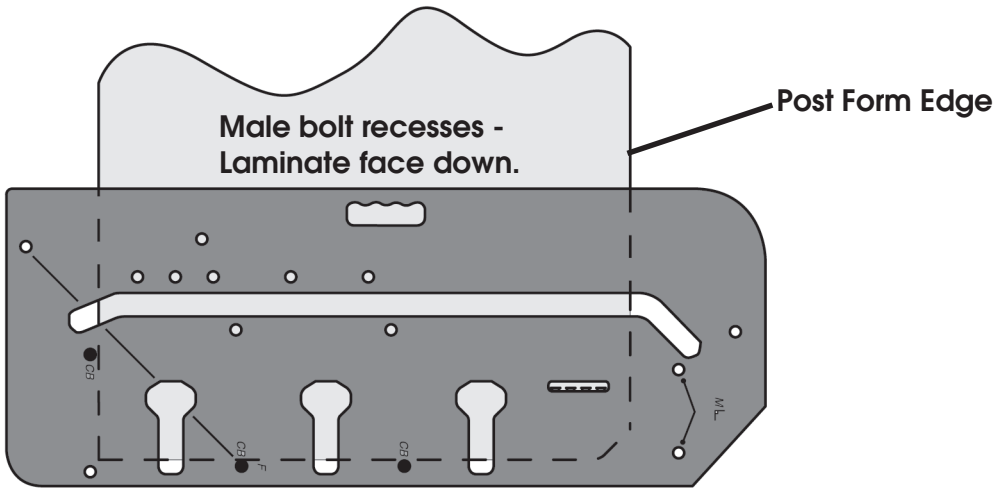
13. **Female Bolt Recesses (Fig. 18) -** Place the worktop with the laminate face down.
14. Fully insert three pins in holes marked ***'CB'***.
15. Clamp the jig to the worktop ensuring the three pins are firmly pushed up to the cut out face and the worktop edge. Ensure clamps do not obstruct the router path.
16. Place the router into the front of one of the clamp bolt recesses, set the depth of cut to 10mm max. Switch the router ON and machine the recess. When done, switch the router OFF and wait for the cutter to stop spinning. Return the router to the back again. Increase the depth of cut a further 10mm and machine the recess again. When finished, switch the router OFF and wait for it to stop spinning.
17. Repeat step **16** for the other 2 recesses (other 3 recesses for 900mm worktops).

IMPORTANT

Recesses must be no deeper than 20mm maximum.

18. **Male Bolt Recesses (Fig. 23) -** Place the worktop with laminate face down.

Fig. 23



19. Fully insert 3 pins in the holes marked ***'CB'.***

20. Clamp the jig to the worktop ensuring all 3 pins are pushed firmly against the worktop. Ensure clamps do not obstruct the router path.

21. Place the router into the front of one of the clamp bolt recesses, set the depth of cut to 10mm max. Switch the router ON and machine the recess. When done, switch the router OFF and wait for the cutter to stop spinning. Return the router to the back again. Increase the depth of cut a further 10mm and machine the recess again. When finished, switch the router OFF and wait for it to stop spinning.

22. Repeat step **21** for the other 2 recesses (other 3 recesses for 900mm worktops).

IMPORTANT

Recesses must be no deeper than 20mm maximum.

1. **Shaping Corners -** Position jig on worktop as in **Fig. 24** below.
2. **Cutting -** Position the router (guide bush) on the edge of the jig at the post form end, ensure the router base is flush on the jig surface. Set the cut depth to 10mm max.
3. Switch the router ON and slowly move the router following the edge of the jig. Switch OFF and wait for the cutter to stop spinning.
4. Lift the router off the jig and return it to the start position again, increase the depth of cut a further 10mm and make a second pass. Keep repeating steps **3** & **4** until the cut is complete, i.e. the cutter is below the bottom of the worktop.
9. Switch the router OFF and wait for it to stop spinning, remove the router and jig, store them away safely for reuse.

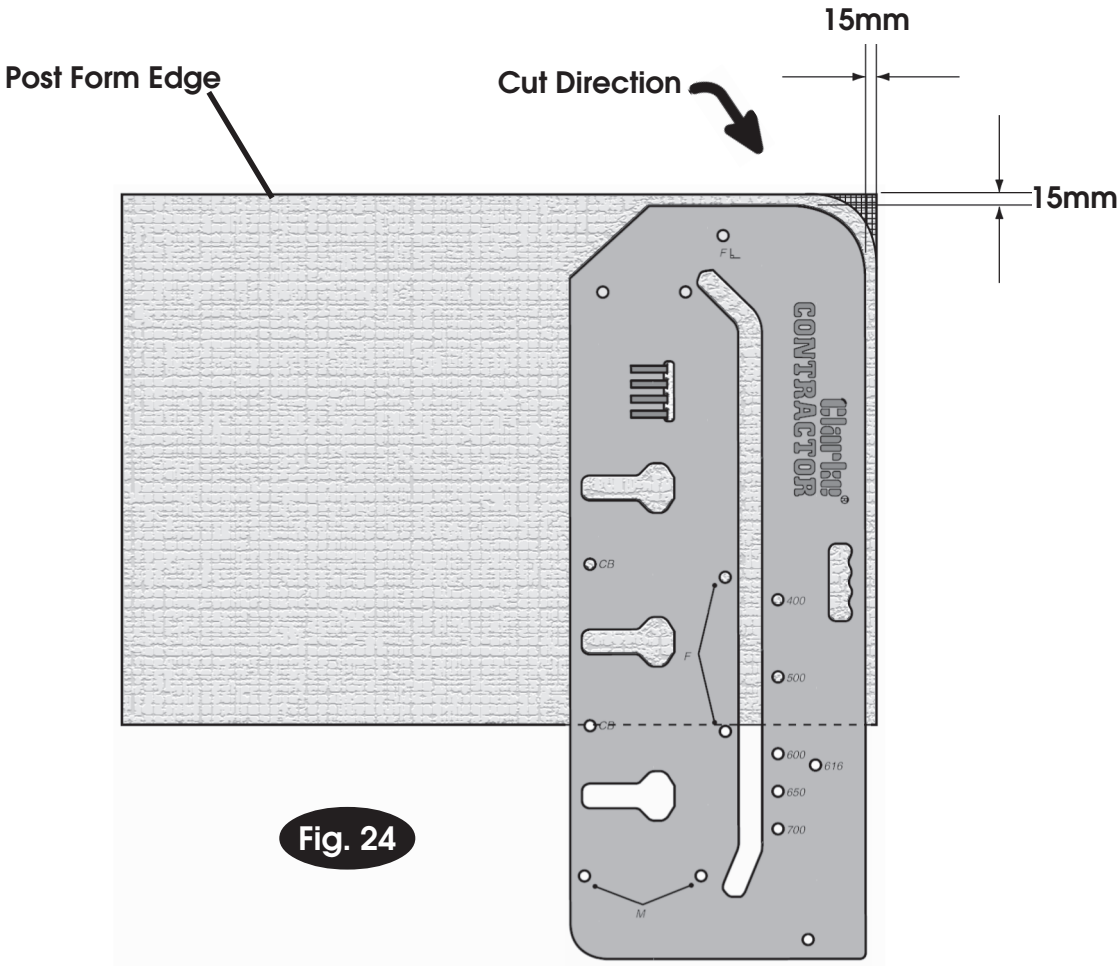


Fig. 24

Maintaining your worktop jig.

Your worktop jig requires no maintenance other than occasionally wiping it over with a clean dampened soft cloth.

For ingrained dirt, a mild household cleaning agent can be used, DO NOT use any solvents or chemicals as these can damage the jig.

Polishing with a propriety anti-static household polish, can aid the movement of the router across the surface of the jig.

In case of loss, replacement pegs are available from your Clarke dealer.

Part No: WTJIG-01-PEGS-BK

HEALTH AND SAFETY

Always seek the assistance of an able bodied person when lifting and manoeuvring heavy objects such as worktops etc.

It is very important for one person to take charge, giving very precise instructions of when and where to lift, plus how heavy etc. the object being lifted is.

Failure to carry out this instruction could lead to serious personal injury.

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