

# Axminster

## Extra Kitchen Worktop Jig



## Index of Contents

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	Page No.
Index of Contents.....	02
Copyright.....	02
What's in the Box.....	03-04
Safety Instructions for use of Routers.....	05
Features of the Extra Jig.....	06-07-08-09-10-11
Cutline Finders.....	12
Using the Jig:	
The Set Angle Facility.....	13
Using Slot "S" Measuring Facility.....	14
The Connector Pocket Facility.....	14-15
Using Curve G.....	15
Joining Workpieces at Right Angles Setting the Jig.....	16-17
Joining Workpiece across an Angled Corner Piece Setting the Jig.....	18-19
If you lose or mislaid parts.....	19

## Copyright

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**AXMINSTER**  
**Tools & Machinery**



## Warning

The symbols below advise that you follow the correct safety procedures when using this machine.



Fully read manual and safety instructions before use



Ear protection should be worn



Eye protection should be worn



Dust mask should be worn



**HAZARD**  
Motor gets hot

## What's in the Included

Quantity		Item	Model Number
1 off.	<b>A</b>	Axminster Postform Jig Protective Holdall.	
1 off.	<b>B</b>	Extra Kitchen Worktop Jig	
4 off.	<b>C</b>	10mm Dowel pins	
4 off.	<b>D</b>	Fixing Clamps complete (Clamp and Clamphead)	
2 off.	<b>E</b>	Cutline finders	
1 off.	<b>F</b>	Measuring locator complete (Dowel pin locator, tightening key and offset ring)	
1 off.	<b>G</b>	Guide Bush Check Centre.( Locating Pin and Cap)	
2 off.	<b>H</b>	Offset Dowel Pins	
1 off.		Instruction Manual	

The jig is designed to be used with a ½" plunge router, a 30mm guide bush and a ½" router cutter

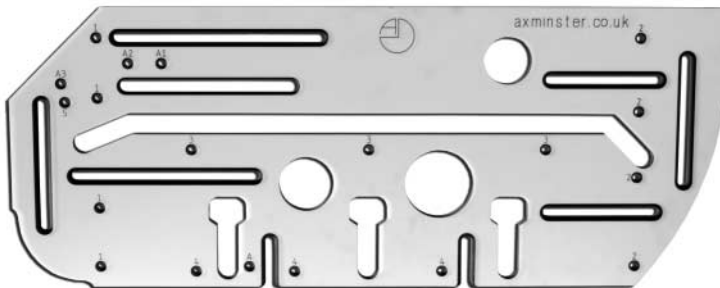
### Axminster Postform Jig Protective Holdall

Code: 100226



### Kitchen Extra Worktop Jig

Code: 702284



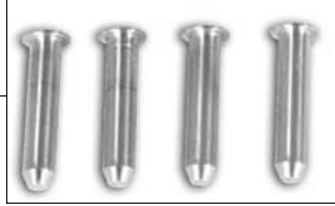
## What's in the Included

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### Extra Worktop Jig (Accessories)

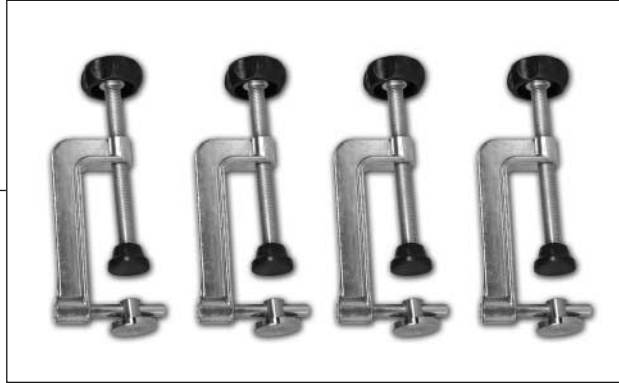
4 off: 10mm Dowel pins

**C**

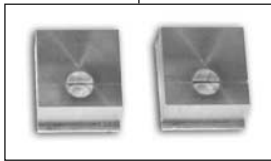


4 off: Fixing Clamps Complete  
(Clamp and Clamphead)

**D**

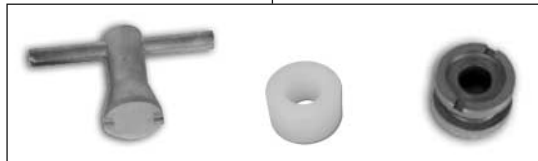


2 off: Cutline Finders



**E**

1 off: Measuring Locator Complete  
(Dowel Pin Locator, Tightening Key and Offset Ring)



**F**

1 off: Guide Bush Check Centre



**G**

2 off: Offset Dowel Pins



**H**



# Warning KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN

**1.** Make sure you have read and fully understood the General Instructions and safety precautions that apply to your router.

**2.** Before connecting the machine to the supply; check for obvious signs of damage, paying particular attention to the plug and the power cable. Rectify or have rectified any damage you discover. Fit and set the guide bush, using the Guide Bush Check Centre, to check concentricity, if you are doubtful of correct centering. Check the cutter bit you are about to fit is the correct tool for the job. In this case a 1/2" Router Bit. Check the bit for damage, make sure it is sharp and clean, check you have the correct collet for the tool shank size you are about to fit, ensure that a sufficient length of the shank is inserted in the collet to guarantee a secure fixing.

Conversely, ensure there is sufficient length of tool to carry out the cutting task. Make sure the tools you use to fit the cutter bit, or the accessories are the correct ones, DO NOT risk damaging the tool by using the wrong size spanners, Allen keys, etc. Make sure the 'chip screens' (if available) are fitted securely. If dust extraction is available, connect it.

**3.** Check that all accessories, tools etc., that have been used to set the machine up, are removed and set carefully aside or stowed away correctly.

**4.** Set the depth of cut, either as one plunge or incrementally (for deep cuts).

**5.** Ensure the machine is switched off. Never engage a trigger hold-on unless you are actually holding the machine). Plug the power cable into a correctly rated switched socket outlet. If extension leads are being used, check these for damage, do not use if damaged, check that any extension cables in use are correctly rated for use with your machine. Switch on the supply.

**6.** Make sure you are holding the machine in a safe position, the cutter bit is not in contact with anything, and the 'plunge' is locked. Give the machine a quick "burst"; to ensure that everything is working correctly, check especially for vibration, which might indicate that the cutter is incorrectly fitted. If the vibration is severe, disconnect the machine; re-fit the cutter and test again.

**7.** Make sure that the jig is clamped firmly to the workpiece.

**8.** Make sure that the power cable is safely routed away from the operating area, and that the router movement during the operation will not drag it within range of the cutter, similarly that the dust extraction pipe work, (if fitted) will not interfere with the work operation.

**9.** Make sure the cutter is not in contact with the work when you start the router. Grip the machine firmly, by the handles, operate the trigger switch, 'watch' for the torque 'kick' when the motor starts. Release the 'plunge lock', introduce the cutter to the workpiece, re-lock the plunge action. Start the cutting operation. Do not overload, (try to cut too quickly), do not remove your grasp from the machine. If you use the trigger switch 'hold on' make sure you can release it quickly.

When the cut is completed release the trigger switch, allow the machine to stop, release the 'plunge' lock, raise the cutter, re-apply the 'plunge' lock and set the machine carefully aside, whilst you inspect the work. Prior to making the next cut, carry out a quick check to ensure that the main body is not clogged with chips, shavings or debris. If necessary, clear, preferably with something other than your fingers, (the cutter is a sharp edge hazard and is liable to be hot). Also check that the edges or pockets you are about to cut are similarly free of anything that would interfere with the smooth passage of the router.

## Features of the Extra Jig

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The next few pages are a description breakdown of the worktop jig.

### Edges: (See fig 1 on page 7)

- O At 45°(135°) to edge B. At right angle to edges C and F. Parallel to edge D
- B At 45° (135°) to edges O, C, D and F
- C At right angle to edges D and O. Parallel to edge F. At 135° to edge B
- D At right angle to edges C and F. Parallel to edge O. At 45° to edge B.
- F At right angle to edges O and D. Parallel to edge C. At 45° to edge B

### Corners: (See fig 1 on page 7)

- E Produces a long sweeping curve, radius is approx. 460mm
- G Produces a 100mm radius curve. (See Using Curve G later in the manual)

### Pockets: (See fig 2 on page 8)

- X Produces a circular pocket/hole 70mm
- Y Produces a circular pocket/hole 80mm
- Z Produces a circular pocket/hole 50mm
- M Produces a pocket for worktop connectors

### Slots: (See fig 2 on page 8)

- H These slots are used to clamp the jig to the workpiece utilising the clamp and clamphead combination supplied. These specially designed clamps leave the jig surface flush so as not to interfere with the router. Other clamps can be used to hold the jig in place, but may impede the router passage.
- S This slot is used as a measuring aid during jointing/joining operations. (See Using Slot S later in the manual).
- W This slot is the heart of the jointing/joining functions of the jig. Looking at the face of the board; the right hand end of the slot is turned through 45° and the left hand end is turned through 22.5°.



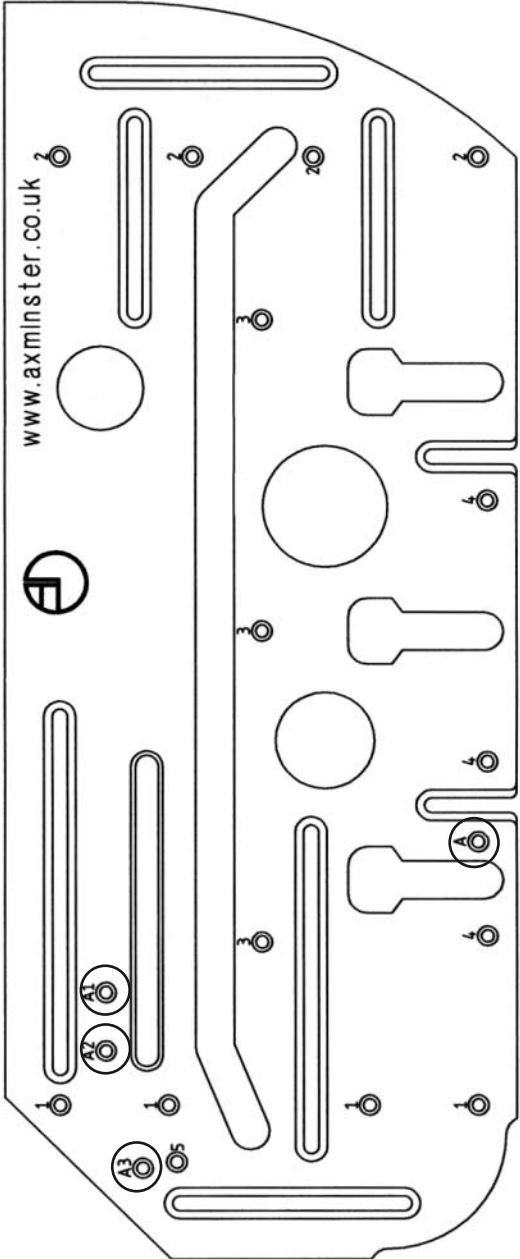




**Set Angle Facility**

A The series of Dowel holes marked A, A1, A2, and A3 allow the jig to be set to three preset angles.  
(See fig 3)

**Fig 3**

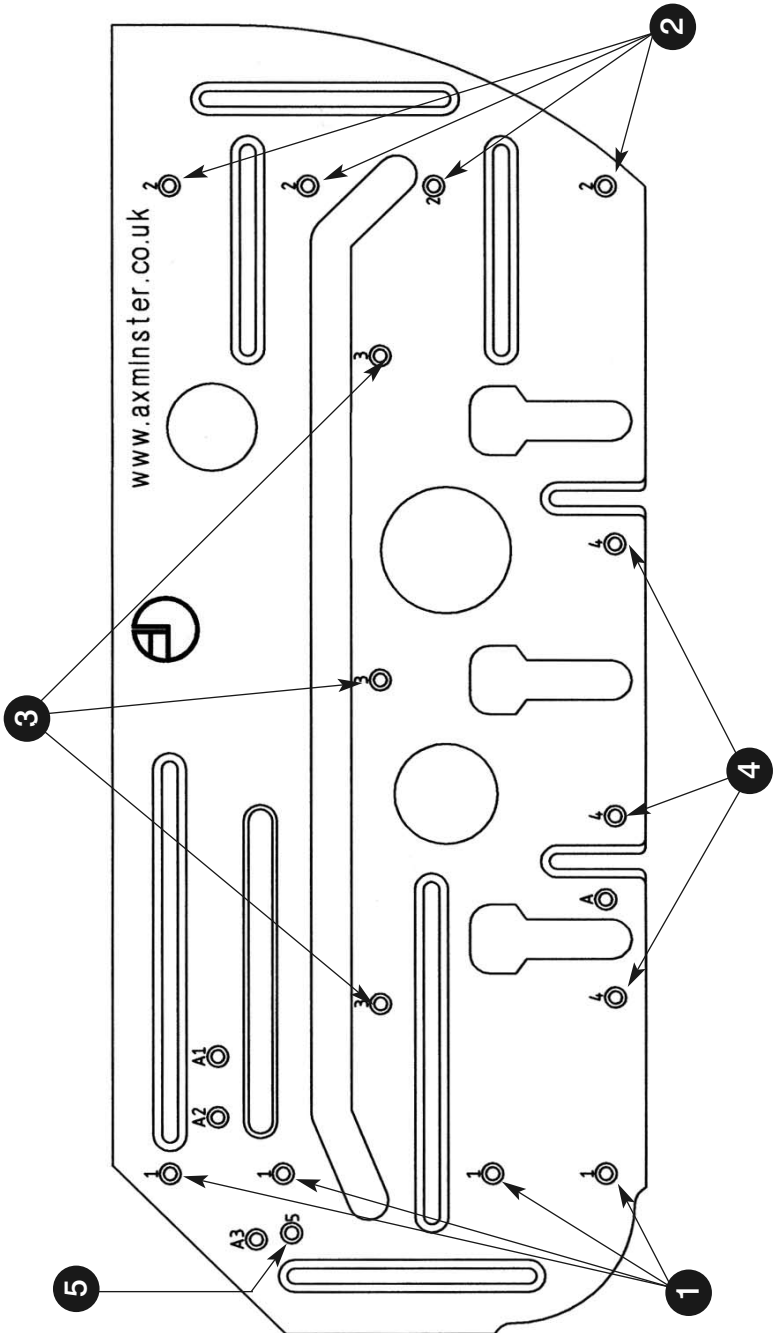


## Features of the Extra Jig

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### Holes: (See fig 4 on page 11)

- 1** These holes are the preset for using the 22.5° joining facility of slot W and are also set at right angles to edges C and F
- 2** These holes are the preset for using the 45° joining facility of slot W and are also set at right angles to edges C and F.
- 3** These holes set the jig to cut the insert edge in the edge of the workpiece for a right angle join, used in conjunction with holes 2.
- 4** These holes set the jig to cut the worktop connector pockets. (See The Connector Pocket Facility later in the manual)
- 5** This hole is the other preset for using the 22.5° joining facility of slot W. Used in conjunction with holes 1 above.

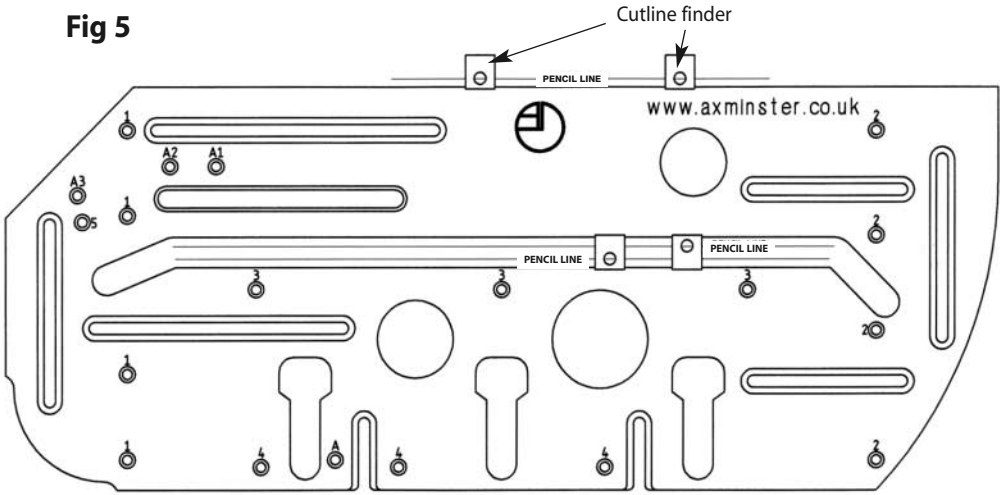


# Cutline Finders

The Axminster Extra Jig system is supplied with two Cutline finders. These devices are used to establish the line that will be cut by the router cutter in relation to the guiding edge of the jig. Especially useful once the dimensions of the worktop are determined and marked

(with pencil). Placing the finder in the slot or on the edge of the board (See fig 5) and aligning the sight line with the pencil line (See figs 6) will enable the workpiece, worktop to be cut accurately to the line.

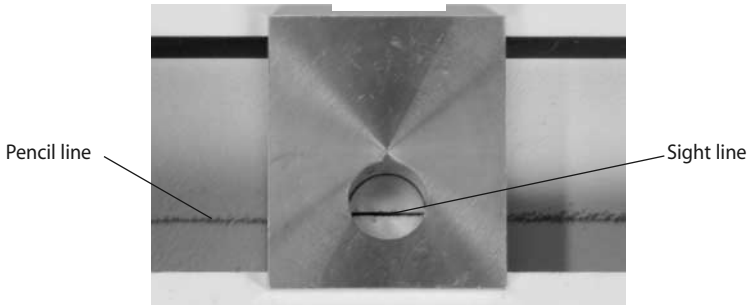
**Fig 5**



Cutline finder



**Fig 6**





Please Note Unless otherwise specified, all instructions for use have been drafted with the board 'face up'. For the 'other hand' the instruction set is the same, with the board 'obverse face up'.

### The Set Angle Facility

The following pin combinations set the edges C and F of the board to the preset angles. See figs 7 & 8 Any further correlation between the edges is given above.

A and A1

Angle is 22.5° and complement

A and A2

Angle is 30° and complement

A and A3

Angle is 45°

Fig 7

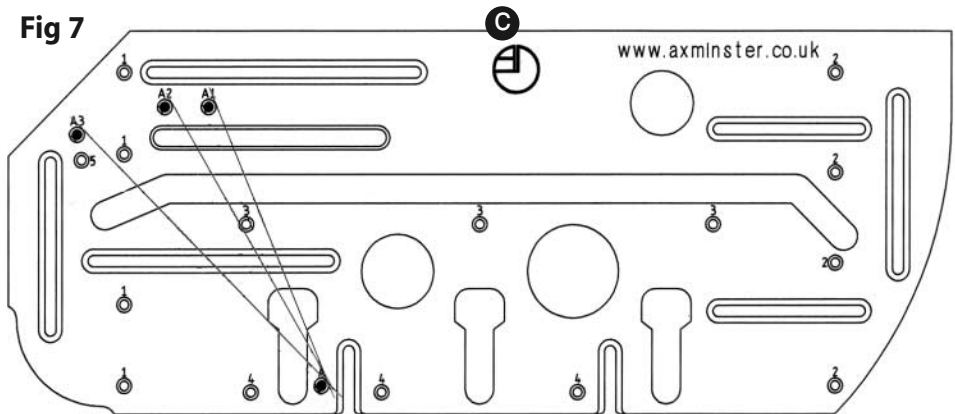
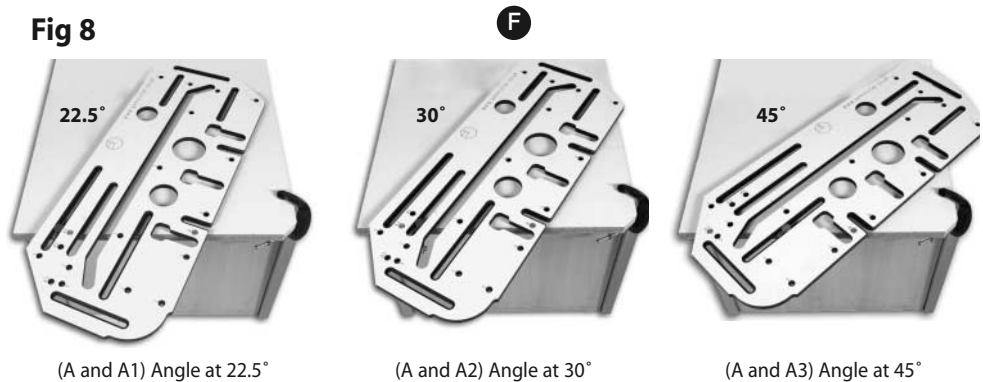


Fig 8

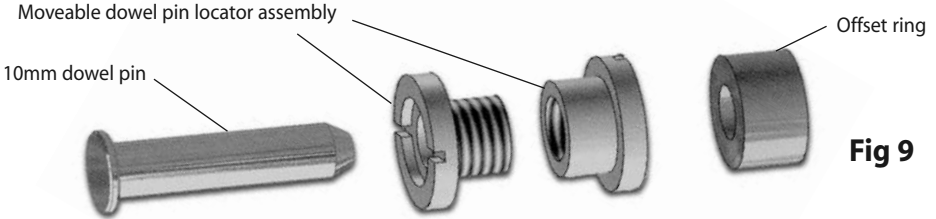


**NOTE: REMEMBER THAT THE REFERENCE EDGE MUST BE IN CONTACT WITH THE SAME SIDES OF THE PINS.**

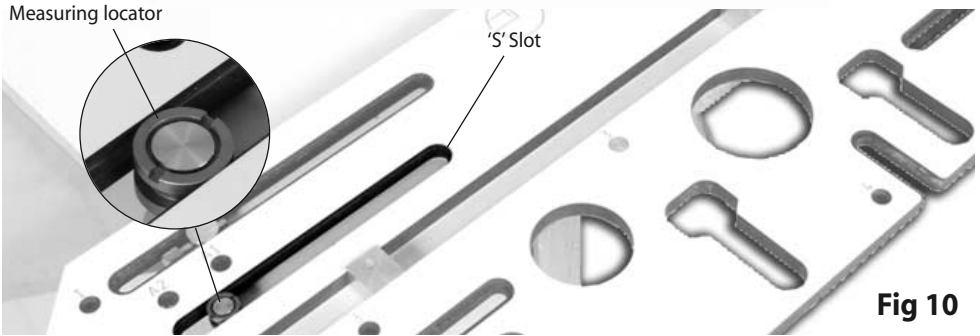
**Using Slot "S" Measuring Facility**

The measuring slot facility S merely comprises a moveable dowel location clamp that can be slid from end to end of slot S and locked in position where required. It is moveable over approx 230mm (between centres of the 10mm

dowel pins). The offset measuring ring is used in conjunction with the dowel location clamp and dowel to establish the exact measurement to cut the 'socket mitre' for the right angled jointing operation. (See figs 9 & 10)



**Fig 9**



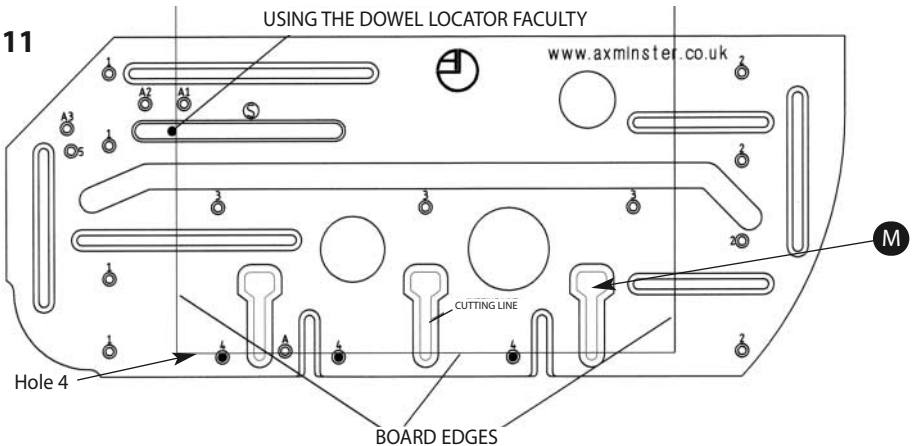
**Fig 10**

**The Connector Pocket Facility**

The pockets marked M will produce a worktop connector pocket. With the dowel pins in holes 4, the pocket slot is 95mm long and the clamping shoulders are 65mm from the edge. The pockets are spaced at

200mm between centres. To accurately align the pockets in the mating workpiece edges, the measuring slot facility S can be used in conjunction with holes 4. (See figs 11 and 12 sketch and picture).

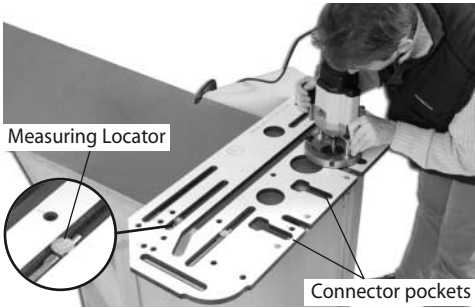
**Fig 11**



Continues over...

**The Connector Pocket Facility**

**Fig 12**



Cutting the pockets

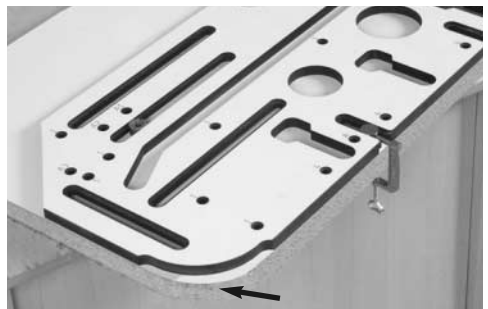
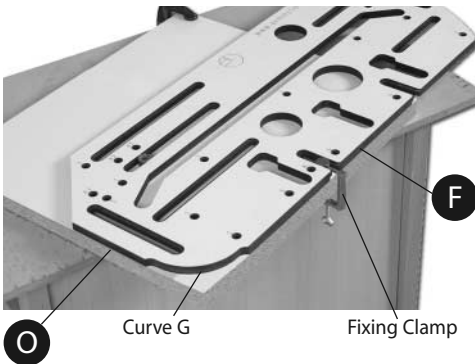


Cutting the connector pocket

**Using Curve G**

The geometry of Curve G is set on the jig such that when Edge O and Edge F are set in line with adjacent edges of the corner to be shaped, a true 100mm radius curve will be blended into the edges. (See figs 13 & 14) If a worktop edging strip is to be used to cover the exposed core of the worktop, a small section of the

edging strip positioned between Edge O and the worktop edge and Edge F and the worktop edge will offset the curve by the thickness of the edging strip. Using a riffler, razor saw, chisel et al., to establish a corner at the entrance to the curve will permit flush fitting of the edging strip around the corner.



100mm radius curve

## Joining Workpieces at Right Angles

In order to achieve a correctly aesthetic joint, allowance needs to be made to mitre the formed edges of the worktops. The socket (with the mitre) needs to be very accurately cut to maintain the appearance and the integrity of the worktops after joining.

### Setting the Jig

Loosely fit the Dowel pin Locator in Slot S. (See fig 15) Place pins in dowel holes 2.

Position the jig against the worktop as shown in fig 17. Introduce a pin into the Dowel pin Locator and position this pin against the rear edge of the worktop. Tighten the locator with the key provided. (See fig 16) (Check that it has not moved). Remove the pin to prevent it being knocked or banged during the next process.



Fig 15 Fitting the Dowel pin Locator in to the 'S' slot



Fig 16 Tighten the locator with the key

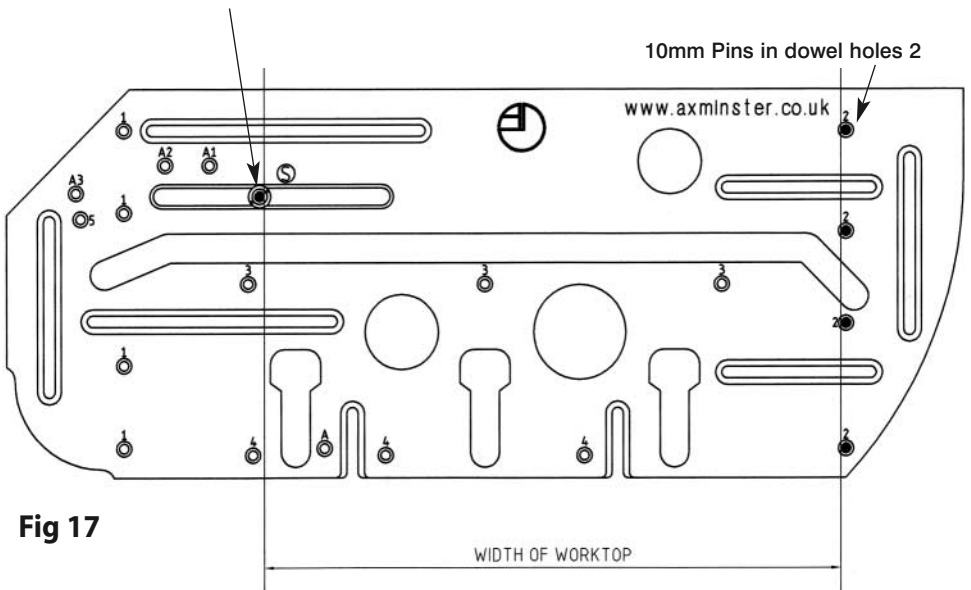


Fig 17



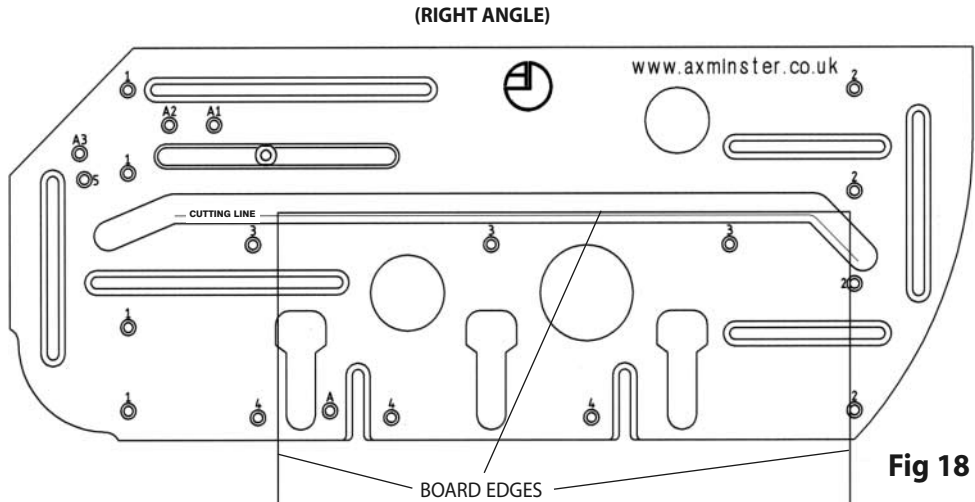
## Joining Workpieces at Right Angles

Move the jig and position slot W to the cut off position of the worktop.

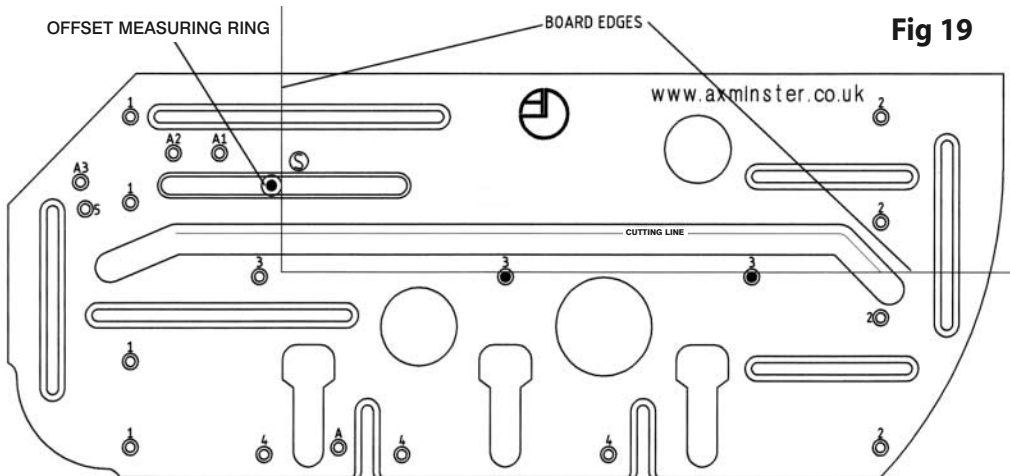


**NOTE.** The router will cut 8.65mm from the guiding edge.

Ensure that the dowel pins in holes 2 are against the edge, and clamp the jig into position. Carry out the end trim. (See fig 18)



Unclamp the jig and remove. Place dowel pins in holes and in the locator. Fit the measurement offset ring over the pin in the locator, position the jig so that the pins are against the edges as shown in fig 19. Clamp the jig to the worktop. Proceed to cut the butt pocket as shown in fig 19.



With the limits of the worktops having been established, if required the worktop connector pockets can now be machined (see above; remember to RESET the plunge DEPTH.)

## Using the Jig

### Joining Workpiece across an Angled Corner Piece

This procedure is for joining worktop surfaces into an angled corner piece. See fig 20.



**Note:** To utilise the procedure detailed below, the angles produced across the corner piece and the opposite angles on the adjoining work surfaces must be accurate.

### Setting the Jig

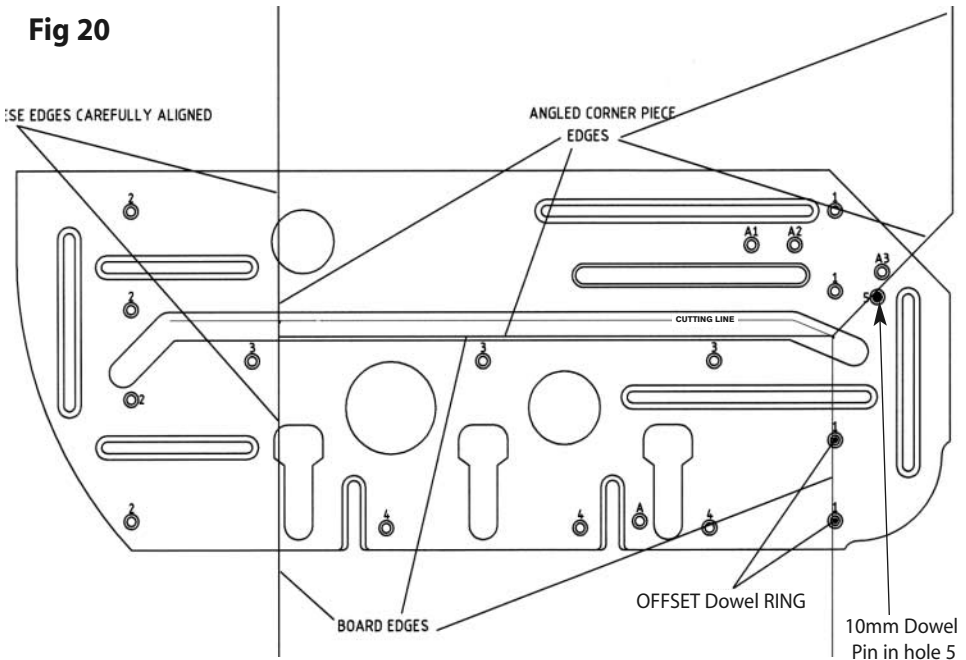
This procedure requires that the adjoining workpiece is available, and is positioned and aligned to the joining edge, See fig 21. Place the Offset dowel pins in dowel holes 1. and place an ordinary dowel pin in dowel hole 5. Position the jig against the worktop as shown in fig 20.

Then slide the jig up toward the angled corner piece until the pin in dowel hole 5 strikes the corner piece. See fig 20. Clamp the jig firmly to the worktop in this position. Move the adjoining worktop away and cut the socket in the angled corner piece.

Place the jig on the adjoining worktop, place ordinary dowel pins in holes 1. Position jig as shown in fig 21 (remember the cutting line is 8.65mm from the actual edge of slot W. Clamp the jig in position and cut the shaped end of the board.

When the limits of the worktops having been established, if required the worktop connector pockets can now be machined (**see above; remember to RESET the plunge DEPTH.**)

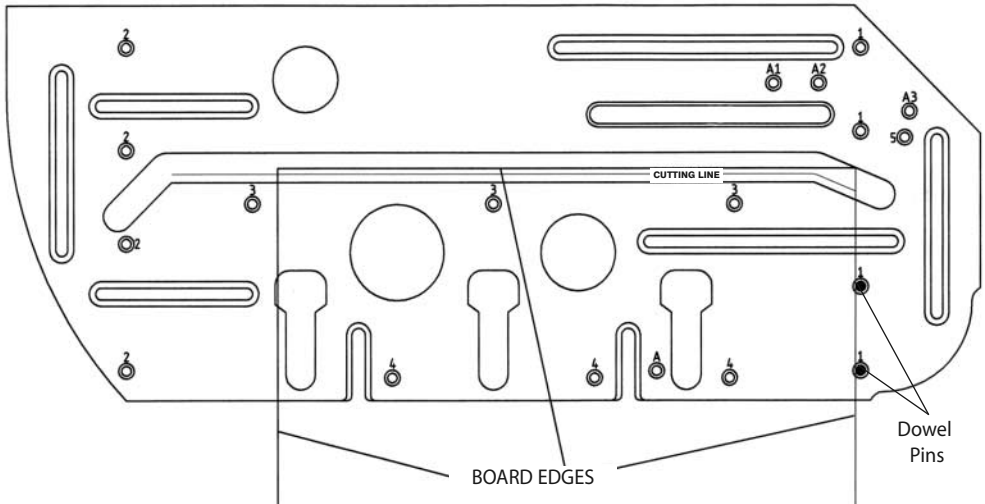
**Fig 20**



**22 1/2° JOINT (SOCKET MITRE) INTO CORNER PIECE**

Fig 21

## RIGHT JOINT (CUTTING END OF WORKTOP)



If you lose or mislaid parts:- (can be purchased separately)

	Part Number:
Clamphead	506320
Clamp	951733
10mm Dowel Pins	702276
Dowel Pin Locator	702277
Dowel Locator Tightening Key	702278

	Part Number:
Measuring Offset Ring	702279
Guide Bush	702280
Guide Bush Check Centre	702281
Cutline Finder	702282
Offset Dowel Pins	702283

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