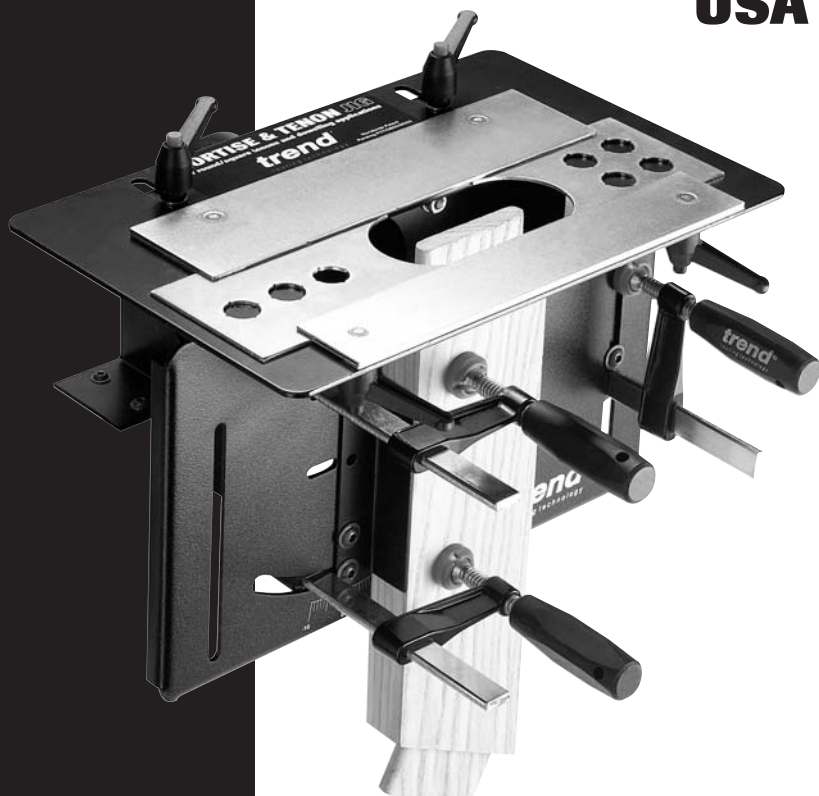




# MT/JIG

## USA



**trend**<sup>®</sup>  
routing technology

International Patent No.:  
PCT/GB02/00253

### **California Proposition 65**

Attention California Residents:

**WARNING:** This product contains chemicals known to the State of California to cause cancer and and birth defects or other reproductive harm.



### **Caution**

Carefully read through this entire instruction Manual and the entire router Operator's Manual before using your new Routasketch. Pay close attention to the Safety section and the Safety Symbols. If you use your Routasketch properly and only for what it is intended, you will enjoy years of safe, reliable service.



The operation of any router can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always wear eye protection.

Dear Customer

Thank you for purchasing this Trend product, we hope you enjoy many years of creative and productive use.

Please remember to return your guarantee card within 28 days of purchase.

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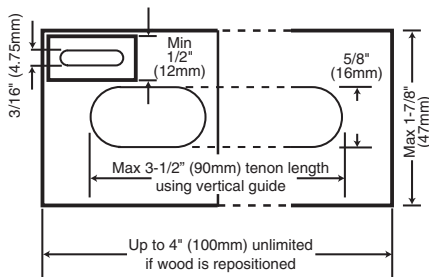
**TECHNICAL DATA**

|                       |      |             |
|-----------------------|------|-------------|
| Material thickness    | min. | 1/2"        |
|                       | max. | 1-7/8"      |
| Tenon thickness       | min. | 3/16"       |
|                       | max. | 5/8"        |
| Using Vertical Guide: |      |             |
| Tenon length          | max. | 3-1/2" +    |
| Mortise length        | max. | 3-1/2" ++   |
| Angle tilt compound   |      | -10° to 45° |
| Weight                |      | 13.2 lbs    |

+ on end of 4" wide material

++ unlimited if vertical guide is removed and wood is repositioned

**Min/Max Mortise & Tenon Sizes**



The following symbols are used throughout this manual:



Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.



Refer to the instruction manual of your power tool.



**IMPORTANT!**

**For use with Plunge Routers only.**



If you require further safety advice, technical information or spare parts, please call our Technical Support department or visit [www.trend-usa.com](http://www.trend-usa.com)

### SAFETY



#### WARNING:

Observe the safety regulations in the instruction manual of the power tool to be used. Please read the following instructions carefully. Failure to do so could lead to serious injury. When using electric tools, basic safety precautions, including the following should always be followed to reduce the risk of fire, electric shock and personal injury. Also observe any applicable additional safety rules. Read the following safety instructions before attempting to operate this product.

#### PLEASE KEEP THESE INSTRUCTIONS IN A SAFE PLACE.

Users must be competent with woodworking equipment before using our products.

#### IMPORTANT NOTE:

**Residual Risk.** Although the safety instructions and operating manuals for our tools contain extensive instructions on safe working with power tools, every power tool involves a certain residual risk which cannot be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution!

#### General

1. Disconnect power tool and attachment from power supply when not in use, before servicing, when making adjustments and when changing accessories such as bits. Ensure switch is in "off" position. Always ensure bit has stopped rotating.
2. Always mount the power tool, accessory or attachment in conformity with the instructions. Only use attachment and accessories specified in the power tool manual. The tool or attachment should not be modified or used for any application other than that for which it was designed. Do not force tool.
3. Keep children and visitors away. Do not let children or visitors touch the tool, accessory or attachment. Keep children and visitors away from work area. Make the workshop child proof with padlock and master switch.
4. Dress properly. Do not wear loose clothing or jewelry, they can be caught in moving parts. Rubber gloves and non-skid footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
5. Consider working environment. Do not use the product in the rain or in a damp environment. Keep work area well lit. Do not use power tools near gasoline or flammable liquids. Keep workshop at a comfortable

temperature so your hands are not cold. Connect machines that are used in the open via a residual current device (RCD) with an actuation current of 30 mA maximum. Use only extension cords that are approved for outdoor use.

6. The accessory or attachment must be kept level and stable at all times.
7. Keep work area clean. Cluttered workshops and benches can cause injuries. Ensure there is sufficient room to work safely.
8. Secure idle tools. When not in use, tools should be stored in a dry and high or locked up place, out of reach of children.
9. For best control and safety use both hands on the power tool and attachment. Keep both hands away from cutting area. Always wait for the spindle and bit to stop rotating before making any adjustments.
10. Always keep guards in place and in good working order.
11. Remove any nails, staples and other metal parts from the workpiece.
12. Maintain tools and bits with care. Keep bits sharp and clean for better and safer performance. Do not use damaged bits. Follow instructions for lubricating and changing accessories. Keep handles dry, clean and free from oil and grease.
13. Maintain accessories. Do not use damaged accessories. Only use accessories recommended by the manufacturer.
14. Check damaged parts. Before operation inspect the attachment, the power tool, the cord, extension cord and the plug carefully for signs of damage. Check for alignment of moving parts, binding, breakage, mounting and any other conditions that may effect its operation. Have any damage repaired by an Authorised Service Agent before using the tool or accessory. Protect tools from impact and shock.
15. Do not use tool if switch does not turn it on or off. Have defective switches replaced by an Authorised Service Agent
16. Don't over reach. Keep proper footing and balance at all times. Do not use awkward or uncomfortable hand positions.
17. Don't abuse the cord. Never carry power tool or accessory by cord or pull it to disconnect from the socket. Keep cord from heat, oil and sharp edges. Always trail the power cord away from the work area.

18. Connect dust extraction equipment. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.
19. Check all fixing and fastening nuts, bolts and screws on power tool, attachment and cutting tools before use to ensure they are tight and secure. Periodically check when machining over long periods.
20. Stay alert. Watch what you are doing. Use common sense. Do not operate tools when you are tired, under the influence of drugs or alcohol.
21. Personal Protective Equipment (PPE) for eye, ear and respiratory protection must be worn. All PPE must meet current legislation.
22. Do not leave tools running unattended. Do not leave tool until it comes to a complete stop.
23. Always clamp workpiece being machined securely.
24. Only use cutting tools for woodworking that meet current safety standards, and any subsequent amendments.
25. Vibration levels. Hand held power tools produce different vibration levels. You should always refer to the specifications and relevant safety guidelines.

#### Routing Safety

1. Read and understand instructions supplied with power tool, attachment and bit.
2. Keep hands, hair and clothing clear of the bit.
3. Remove adjusting keys and wrenches. Check to see that keys and adjusting wrenches are removed from the router tool, bit and attachment before turning router on. Make sure bit can rotate freely.
4. Noise. Take appropriate measures for the protection of hearing if the sound pressure of 85dB(A) is exceeded. Routing sound pressure may exceed 85dB(A), so ear protection must be worn.
5. Eye protection. Always wear eye protection in the form of safety goggles, spectacles or visors to protect the eyes.
6. Respiratory protection. Wear a face or dust mask, or powered respirator. Dust masks/filters should be changed regularly.
7. Do not switch router on with the bit touching the workpiece. At the end of the cut, release the router plunge and allow spindle to stop rotating. Never use the spindle lock as a brake

8. The direction of routing must always be opposite to the bit's direction of rotation. Do not back-cut or climb-cut.
9. Check before cutting that there are no obstructions in the path of the router. Ensure there are no obstacles beneath workpiece when cutting full thickness, and that a sacrificial work surface is used.

### Router Bit Safety

1. Cutting tools are sharp. Care should be taken when handling them. Do not drop bits or knock them against hard objects. Handle very small diameter bits with extra care. Always return bit to its packaging after use.
2. Always use bits with a shank diameter corresponding to the size of the collet installed in your tool.
3. The maximum speed (n.max) marked on the tool, or in instructions or on packaging shall not be exceeded. Where stated the speed range shall be adhered to. Recommended speeds are shown in the Trend Routing Catalogue and/or website.
4. Always use router bits in a router. Drill and boring bits must not be used in a router. Router bits must only be used for the material cutting application for which they are designed. Do not use on metal or masonry.
5. Never use bits with a diameter exceeding the maximum diameter indicated in the technical data of the power tool or attachment used.
6. Before each use check that the cutting tool is sharp and free from damage. Do not use the cutting tool if it is dull, broken or cracked or if in any other damage is noticeable or suspected.
7. Bits should be kept clean. Resin build up should be removed at regular intervals with Resin Cleaner<sup>®</sup>. The use of a PTFE dry lubricant will reduce resin build up. Do not use PTFE spray on plastic parts.
8. When using stacked tooling (multi-blade, block and groove etc.) on a spindle arbor, ensure that the cutting edges are staggered to each other to reduce the cutting impact.
9. Bit shanks should be inserted into the collet all the way to the line indicated on the shank. This ensures that at least  $\frac{3}{4}$  of the shank length is held in the collet. Ensure clamping surfaces are cleaned to remove dirt, grease, oil and water.
10. Observe the correct assembly and fitting instructions in the router instruction manual for fitting the collet, nut and bit.
11. Tool and tool bodies shall be clamped

in such a way that they will not become loose during operation. Care shall be taken when mounting cutting tools to ensure that the clamping is by the shank of the cutting tool and that the cutting edges are not in contact with each other or with the clamping elements.

12. It is advisable to periodically check the collet and collet nut. A damaged, worn or distorted collet and nut can cause vibration and shank damage. Do not over-tighten the collet nut
13. Do not take deep cuts in one pass; take several shallow or light passes to reduce the side load applied to the bit and router. Too deep a cut in one pass can stall the router.
14. In case of excessive vibrations whilst using the router stop immediately and have the eccentricity of the router, router bit and clamping system checked by competent personnel.
15. All fastening screws and nuts should be tightened using the appropriate wrench or key and to the torque value provided by the manufacturer.
16. Extension of the wrench or tightening using hammer blows shall not be permitted.
17. Clamping screws shall be tightened according to instructions provided by the manufacture. Where instructions are not provided, clamping screws shall be tightened in sequence from the centre outwards.

### Using Routers In A Fixed Position

1. After work, release the router plunge to protect the bit.
2. Always use a push-stick or push-block when making any cut less than 12" in length or when feeding the last 12" of the cut.
3. The opening around the bit should be reduced to a minimum using suitably sized insert rings in the table and closing the back fence cheeks or fitting a false fence on the back fence.
4. Whenever possible use a work holding device or jig to secure component being machined. Ensure any attachment is securely fitted to the workbench, with table surface at approximately hip height.
5. Use a No-Volt Release Switch. Ensure it is fixed securely, easily accessible and used correctly.
6. In router table (inverted) mode, stand to the front right of the table. The bit will rotate counter-clockwise when viewed from top so the feed direction is from the right (against the rotation of the bit). In overhead mode, stand to the front left of the machine table and

the feed direction is from the left.

7. Do not reach underneath table or put your hands or fingers at any time in the cutting path while tool is connected to a power supply.
8. Never thickness timber between the back of the bit and the backfence.

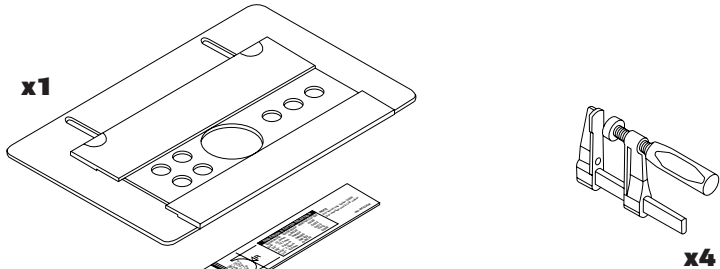
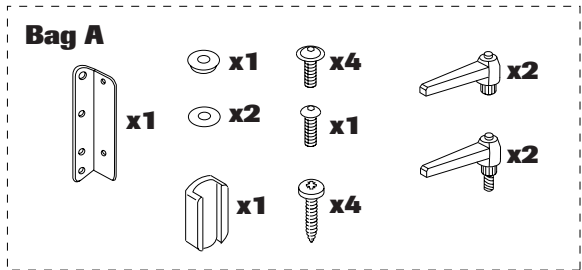
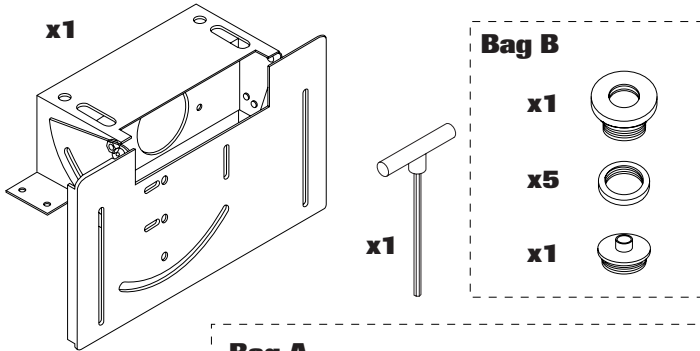
### Useful Advice When Routing

1. Judge your feed rate by the sound of the motor. Feed the router at a constant feed rate. Too slow a feed rate will result in burning.
2. Trial cuts should be made on waste material before starting any project.
3. When using some attachments e.g. a router table or dovetail jig, a fine height adjuster is recommended.
4. When using a template guide bush, ensure there is sufficient clearance between bit tip and inside edge of bush and that it cannot come into contact with collet and nut. Ensure bit and guide bush are concentric.

### Router Bit Repair/Maintenance

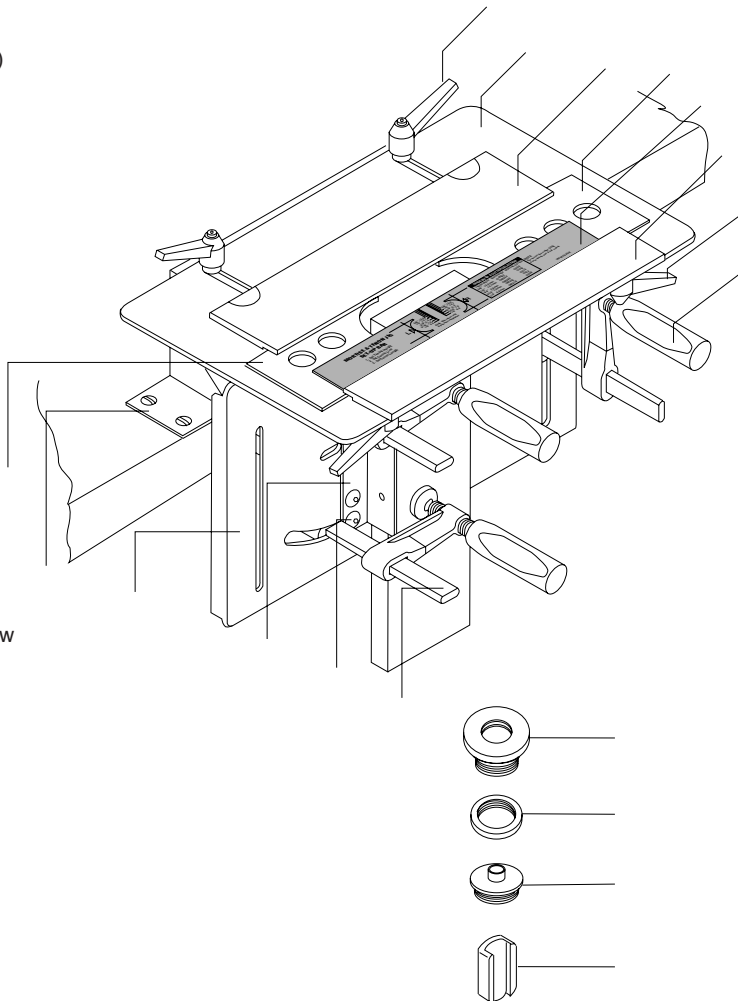
1. Repair of tools is only allowed in accordance with the manufacturers instructions.
2. The design of composite (tipped) tools shall not be changed in process of repair. Composite tools shall be repaired by a competent person i.e. a person of training and experience, who has knowledge of the design requirements and understands the levels of safety to be achieved.
3. Repair shall therefore include, e.g. the use of spare parts which are in accordance with the specification of the original parts provided by the manufacturer.
4. Tolerances which ensure correct clamping shall be maintained.
5. Care shall be taken that regrinding of the cutting edge will not cause weakening of the body and the connection of the cutting edge to the body.

**ITEMS  
ENCLOSED**



**DESCRIPTION  
OF PARTS**

- ① Female adjustable lever
- ② Top plate assembly
- ③ Template clamp (back)
- ④ Long template
- ⑤ Set-up bar
- ⑥ Template clamp (front)
- ⑦ Male adjustable lever
- ⑧ F clamp handle
- ⑨ Short template
- ⑩ Main body
- ⑪ Tilting back plate
- ⑫ Vertical guide
- ⑬ Flanged machine screw
- ⑭ F Clamp Bar
- ⑮ 2-1/8" Bush
- ⑯ Threaded ring
- ⑰ Template bushes
- ⑱ F clamp cap



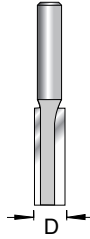
**ACCESSORIES**

**Suitable router bits**

Although standard router bits can be used having the appropriate diameter, a set of five long reach straight bits with 1/4" shank are available. Spiral bits can also be used for an improved finish.

Ref. SET/MT1X1/4TC

| Dia.  | Ref. | Set Ref. |
|-------|------|----------|
| 1/4"  | C008 | SET/MT1  |
| 5/16" | C012 |          |
| 3/8"  | C015 |          |
| 1/2"  | C022 |          |
| 5/8"  | C026 |          |



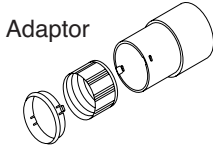
Other cutters for alternative Tenon Sizes

| Dia.  | Ref. | Template Bush |
|-------|------|---------------|
| 3/16" | C003 | 1- 5/16"      |
| 7/16" | C018 | 1- 1/16"      |
| 9/16" | C024 | 15/16"        |

**Optional Extraction Dust Kit**

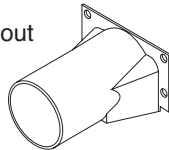
For dust-free working, this kit allows connection to a 1-1/2" or 2-1/4" hose. The dust shield is only used when routing 90° tenons.

Ref. MT/DUSTKIT

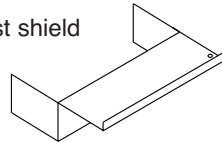


Adaptor

Dust spout



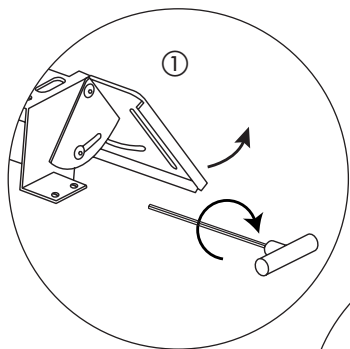
Dust shield



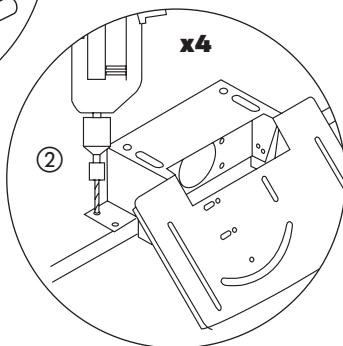


**ASSEMBLY & ADJUSTMENT**

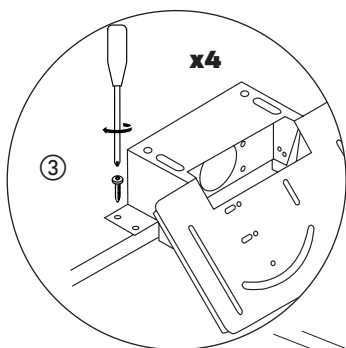
① Secure the tilting back plate in its 45° position with the two hex screws.



② Position the main body on the edge of the workbench or workboard and drill four 1/8" holes 5/8" deep.

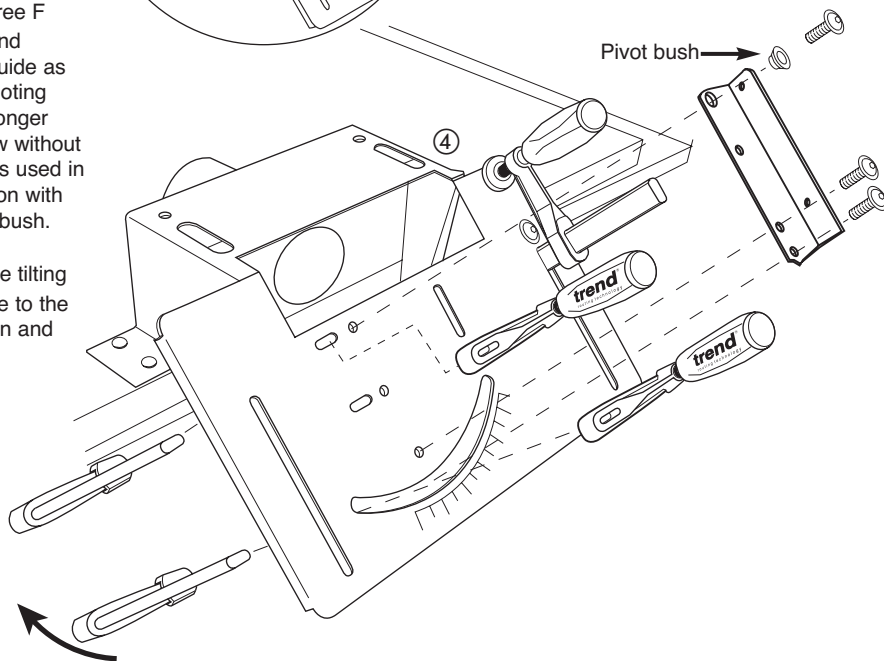


③ Secure the jig with the 4 self-tapping screws with a No.2 Pozzi screw driver.



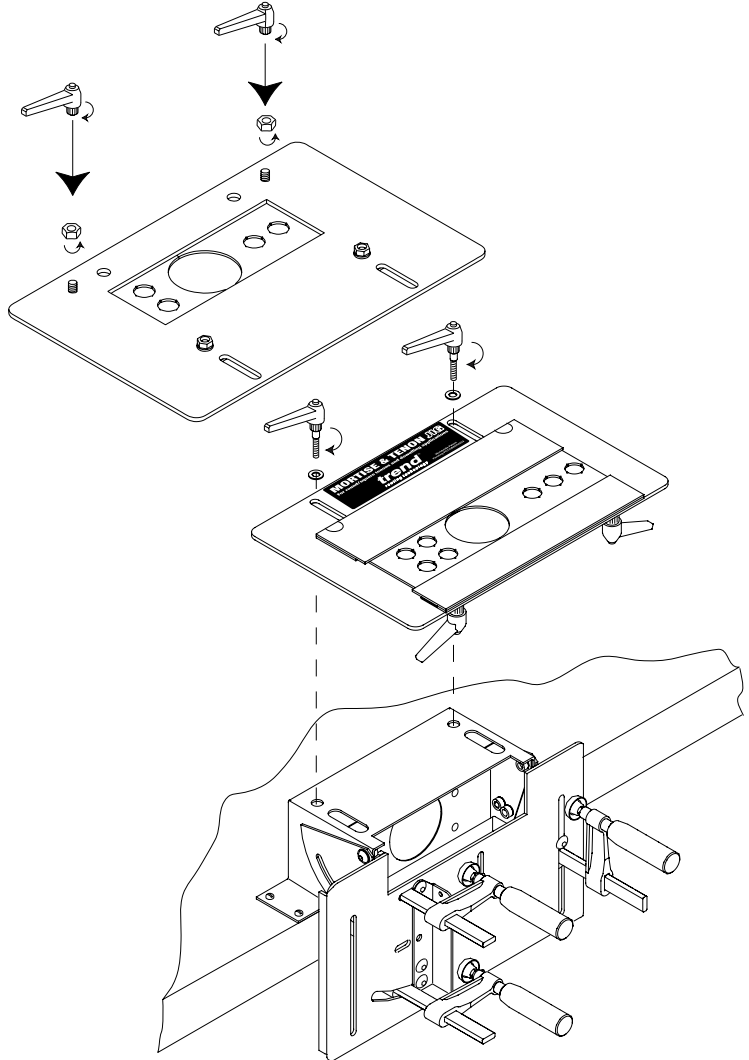
④ Fit the three F clamps and vertical guide as shown. Noting that the longer hex screw without a flange is used in conjunction with the pivot bush.

⑤ Return the tilting back plate to the 0° position and lock.

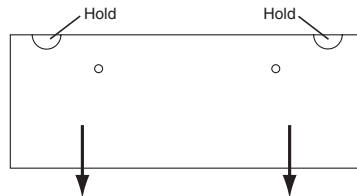


**Assembly of the Top Plate**

- ① Remove the transit nuts with a spanner and discard.
- ② Fit the two female adjustable levers. If fitting the optional dust extraction kit refer to page 11.
- ③ Turn the top plate over so that it's facing up and secure the top plate with the two male adjustable levers and washers.



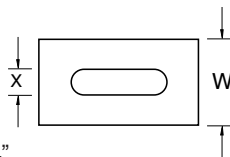
**To adjust tightness of the templates undo the nuts on the underside of the top plate. Holding the plate clamping piece by the thumb notches, gently tap the plate to reset. Tighten the nuts to secure.**



**Bit & Guide  
Bush  
Selection**

①

$$X = \frac{W}{3}$$

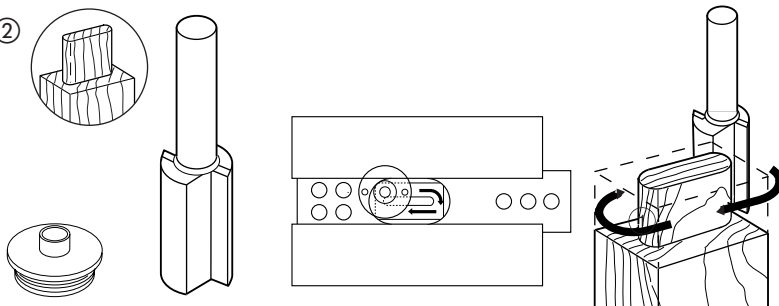


**Example**

Tenon Width (X) =  $\frac{\text{Timber width of (W) } \frac{3}{4}'' = \frac{1}{4}''}{3}$

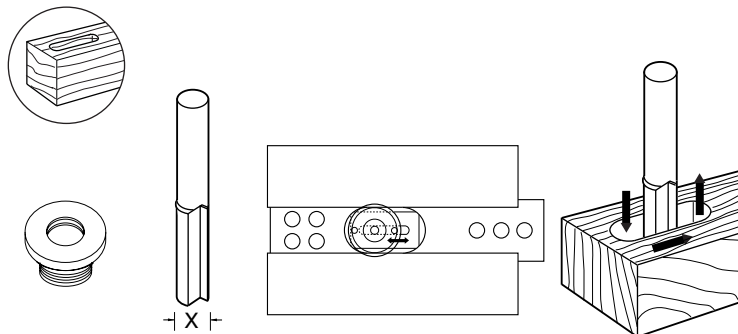
- ① Calculate an appropriate tenon width 'X' for the timber width 'W' e.g. X = 1/4" and choose the nearest appropriate tenon width from the chart below.

②



- ② For the tenon choose the appropriate guide bush diameter 'D' from the chart below for the tenon width, e.g. D = 1/4". Tenon bit will always be Ref. C026.

③

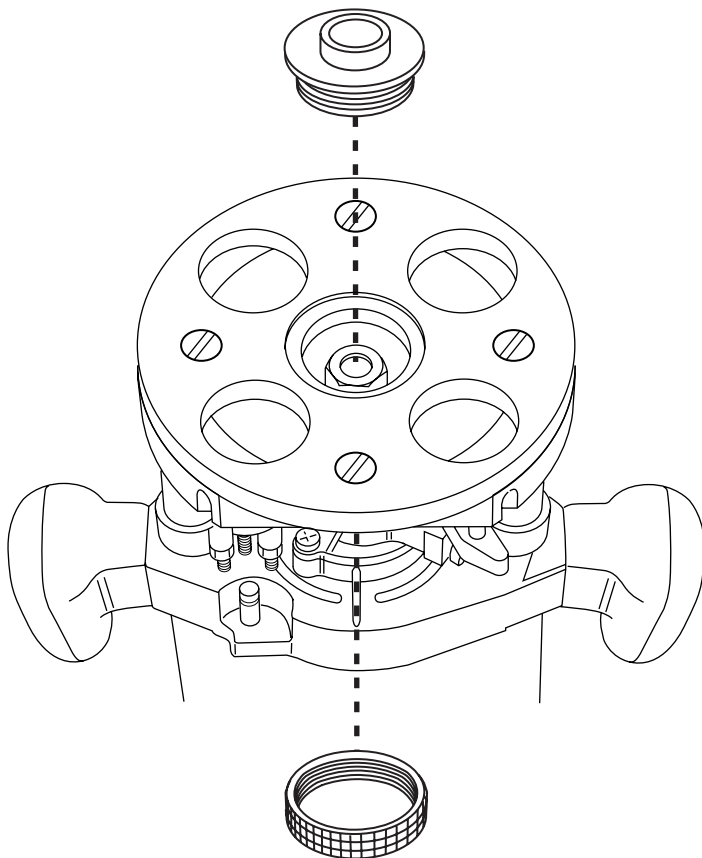


- ③ For the mortise choose the bit to suit the tenon width 'X' e.g. C008. Guide bush will always be the 2 - 1/8" bush.

| <b>TENON WIDTH</b>            | <b>TENON</b>      |                              |                        | <b>MORTISE</b>  |                        |                 |
|-------------------------------|-------------------|------------------------------|------------------------|-----------------|------------------------|-----------------|
|                               | <b>Imperial X</b> | <b>Guide Bush Diameter D</b> | <b>Guide Bush Ref.</b> | <b>Bit Ref.</b> | <b>Guide Bush Dia.</b> | <b>Bit Ref.</b> |
| 1/4"                          | 1-1/4"            | GB318                        | Use                    | C008            | Use                    | C008            |
| 5/16"                         | 1-3/16"           | GB302                        | C026                   | C012            | 2-1/8"                 | C012            |
| 3/8"                          | 1-1/8"            | GB286                        | for                    | C015            | for                    | C015            |
| 1/2"                          | 1"                | GB254                        | all                    | C022            | all.                   | C022            |
| 5/8"                          | 7/8"              | GB222                        | cuts.                  | C026            |                        | C026            |
| <b>Other sizes possible.*</b> |                   |                              |                        |                 |                        |                 |
| 3/16"                         | 1-5/16"           | GB333                        |                        | C003            |                        | C003            |
| 7/16"                         | 1-1/16"           | GB27                         |                        | C018            |                        | C018            |
| 9/16"                         | 15/16"            | GB238                        |                        | C024            |                        | C024            |

\*Guide bushes not included with jig.

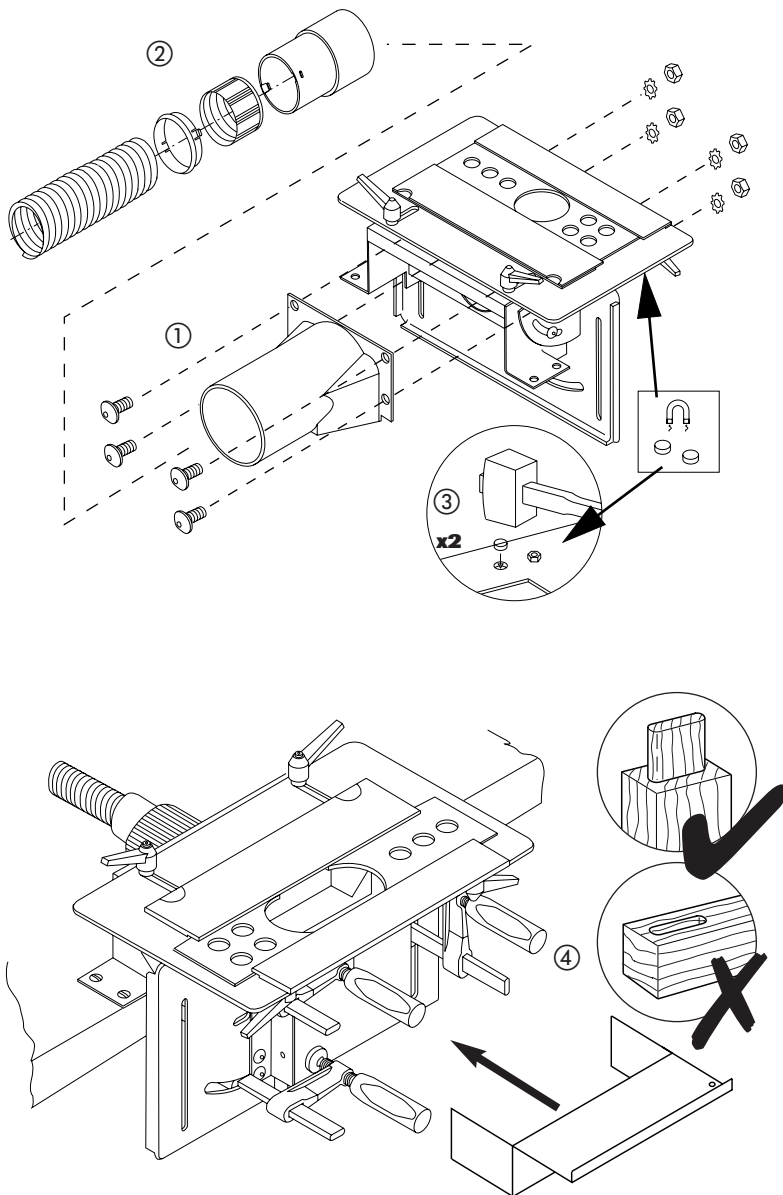
**Fitting the  
Template Guide  
Bush**



**Fitting the  
Optional Dust  
Extraction Kit.**

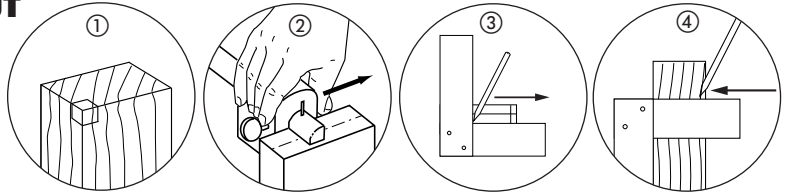
**MT/DUSTKIT**

- ① Fit the dust spout using the 4 bolts, shake-proof washers and nuts.
- ② Assemble the ring, fitting and body of the adaptor onto the 1-1/2" hose if required.
- ③ Fit the two magnets by gently knocking them into the front edge on the underside of the top plate with a wooden mallet until flush.
- ④ The optional dust shield should only be fitted when cutting 90° tenons. It is held in place by magnets.



**TIMBER PREPARATION  
& MARKING OUT**

**Marking Out  
the Tenon**



① It is essential that the timber is square all round. Study the drawings and select the appropriate type of tenon.

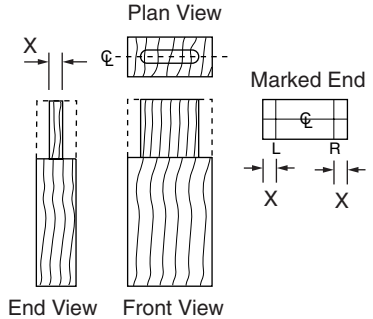
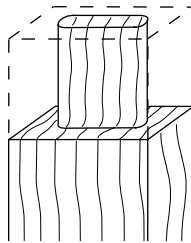
② Mark up the centre line on the end of the first piece of timber using a marking gauge.

③ Mark the tenon end marks using a set square. Generally aim for the end tenon marks to be equal to the width of the tenon (X).

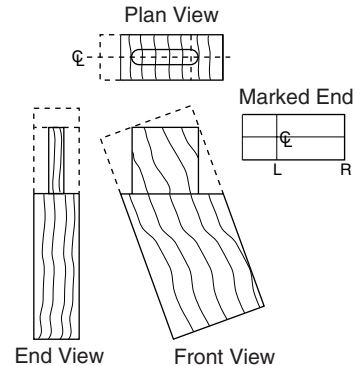
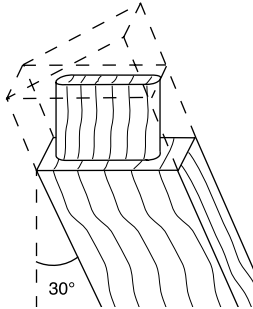
This may not always be possible for side angled tenons as the length of the tenon and the angle required may cause restrictions.

④ Mark out the length of the tenon. Generally keep the tenon as long as possible for increased gluing surface. For through tenons, make the tenon length equal to the timber width plus 1/8" for trimming afterwards

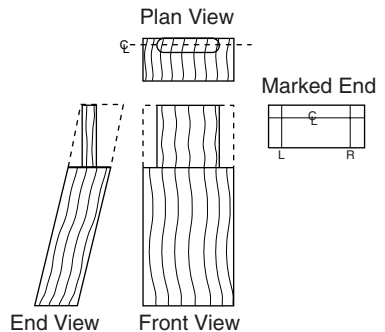
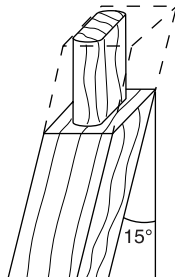
**Straight tenon**



**30° Side angled tenon**

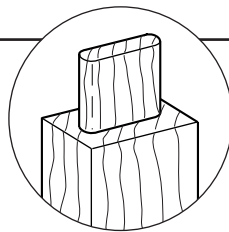


**15° Front angled tenon**



**When mounting  
timber in the jig  
keep the face  
side towards  
the jig.**

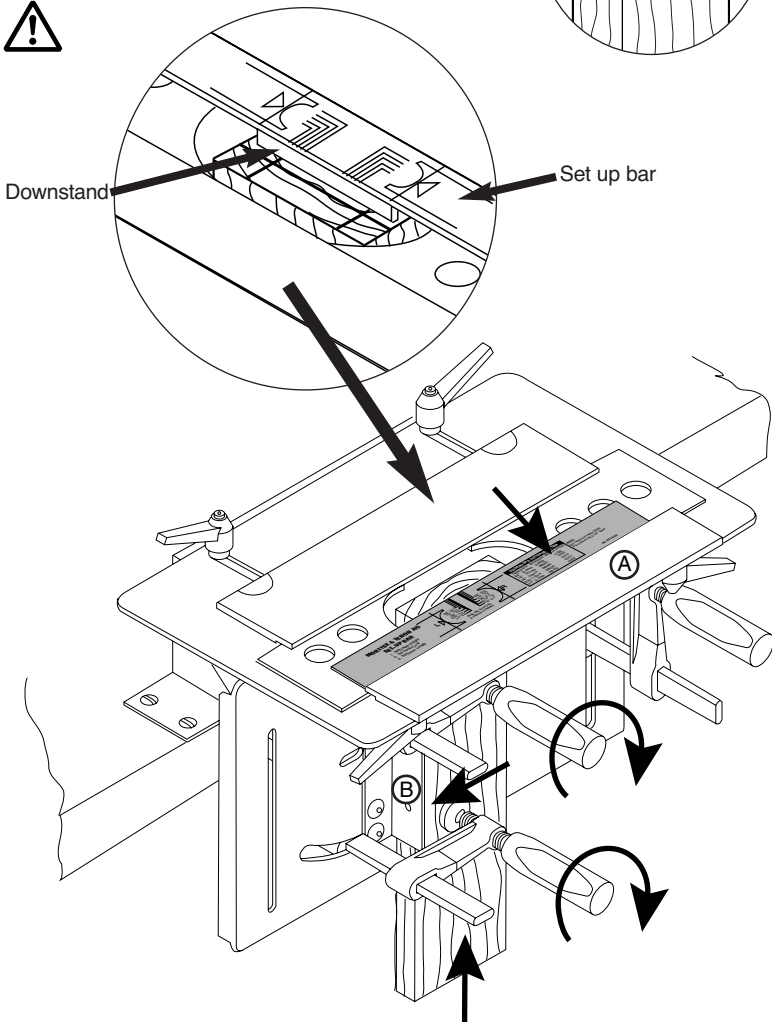
**OPERATION**



**Set Timber Height**

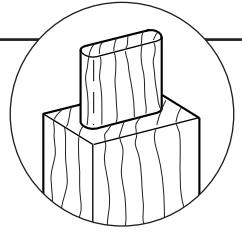


- ① Place set-up bar on templates and push it against clamping plate (A).
- ② & ③ Place timber up against vertical guide (B) and raise until it touches downstand of set-up bar.
- ④ Tighten F clamp handles securely.





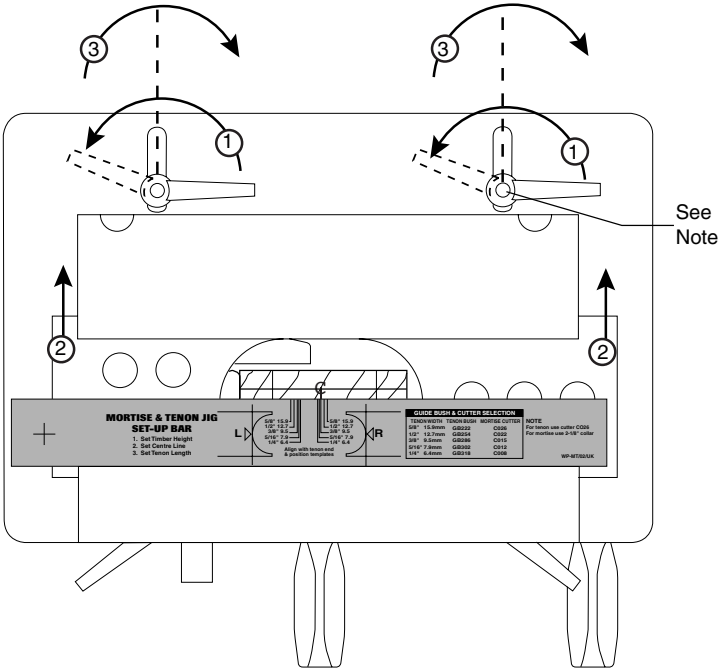




**Set Centre Line**

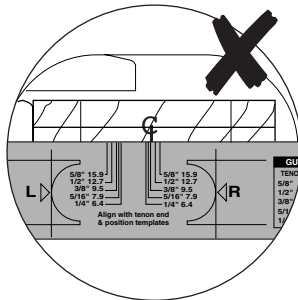


- ① Release levers.
- ② Adjust position of top plate until the down stand of the set-up bar aligns with the centre line.
- ③ Tighten levers.

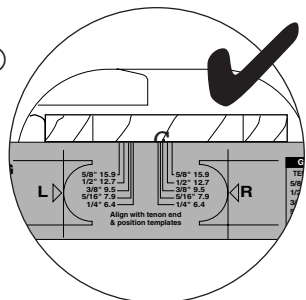


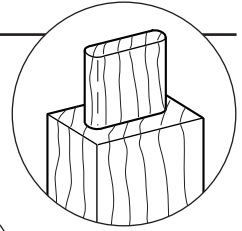
**NOTE:**

**If routing a long mortise on maximum size timber it may be necessary to remove the right hand male adjustable lever and replace it with an unused F clamp flanged machine screw Ref. WP-SCW/73.**



②

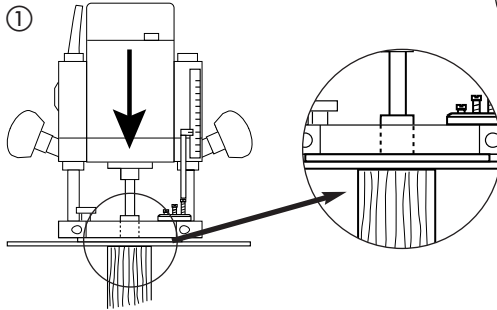




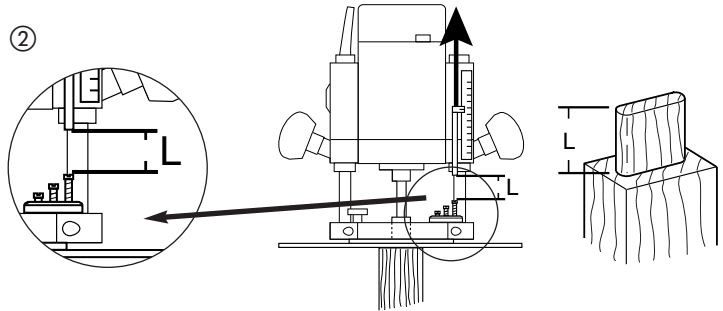
**Routing Procedure**



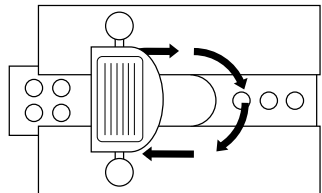
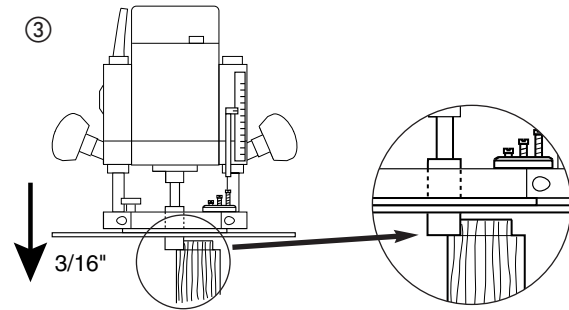
① After fitting the C026 bit and appropriate guide bush, lower cutter down until it touches end of timber and lock off plunge of router.



② Raise and lock the depth stop to the length of the tenon required.



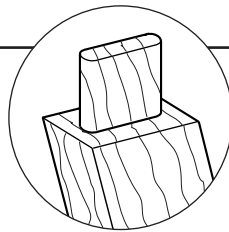
③ Plunge and rout in a clockwise direction at a depth of no more than 3/16" in repeated passes until the full depth is reached as set by the depth stop. However care should be taken to ensure the guide bush is kept firmly pressed against the circles of the templates and edges of the clamping plates. Should some splintering of the timber occur then pre-scribing the shoulder line with a sharp knife is advisable.



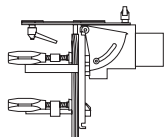
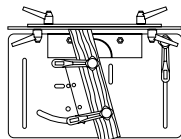
**Retract bit into the router base before raising the router up from the jig.**



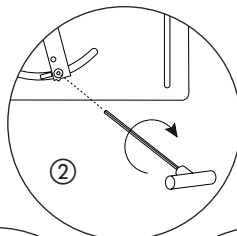
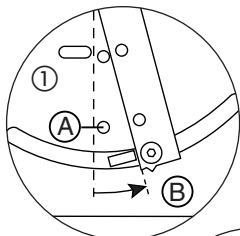
**Take shallow passes at a slow steady pace with a sharp cutter to prevent snatching.**



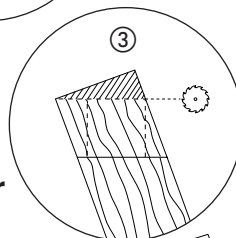
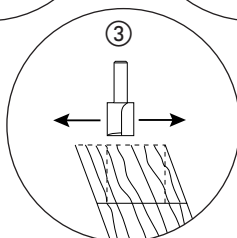
**Side Angled Tenon**



- ① Remove bolt (A) if fitted. Undo bolt (B). Remove the lower F clamp head. Adjust the position of the vertical guide as required.

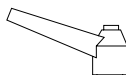


- ② Tighten the bolt (B) with the hex key and refit the F clamp head.

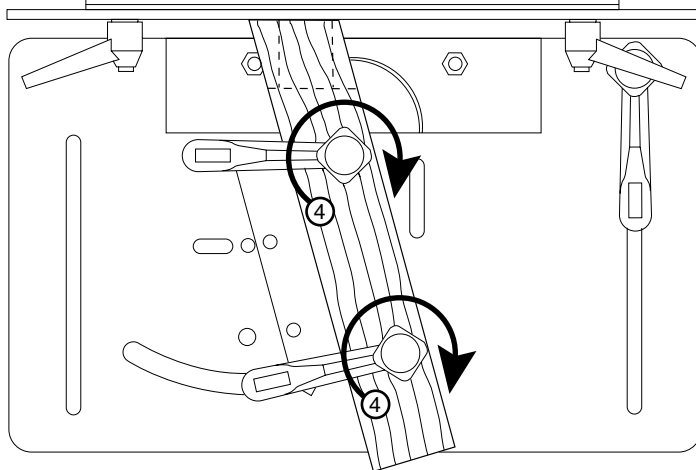


or

- ③ Rout the end of the timber parallel to the top plate or cut it at the appropriate angle on a snip-off saw.



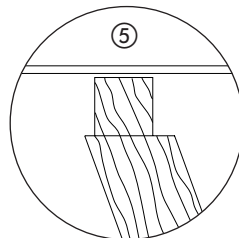
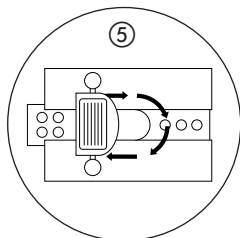
- ④ Fit and clamp the timber at the correct height using the set-up bar. (See p.13)



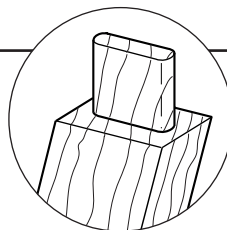
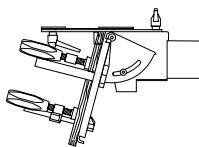
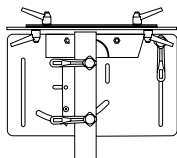
Set the templates to the required tenon length. (See p.14)

Set the top plate to the centre line. (See p.15)

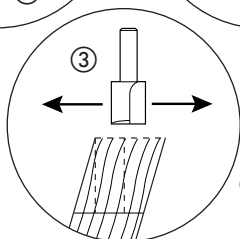
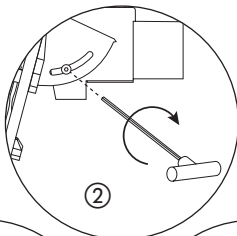
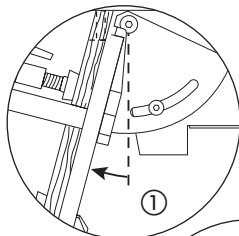
- ⑤ Set the depth of cut and rout in increasing depths to complete the tenon. (See p.16)



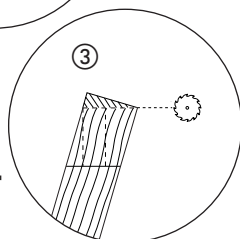
**Front Angled Tenon**



- ① Remove the two side bolts. Adjust the tilting back plate to the position required.
- ② Tighten the two side bolts with the hex key.
- ③ Rout the end of the timber parallel to the top plate or cut at the appropriate angle on a snip-off saw.



or

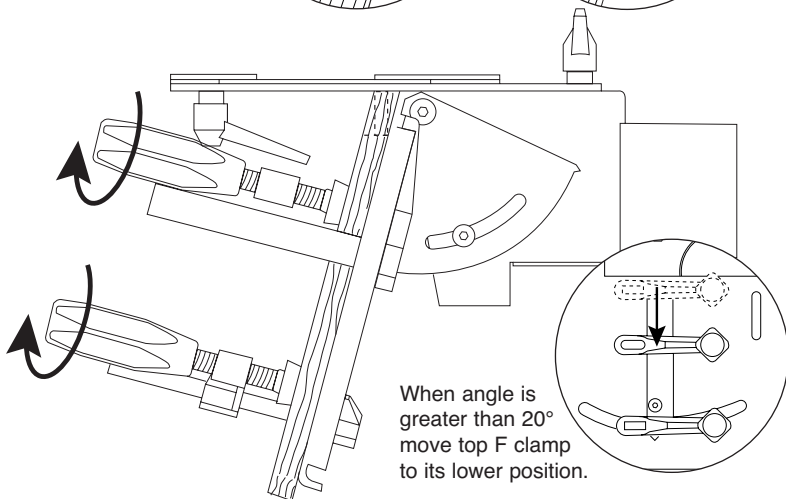


- ④ Fit and clamp the timber at the correct height using the set-up bar. (See p.13)

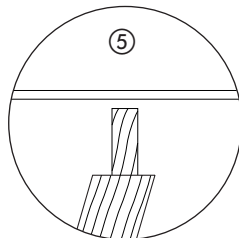
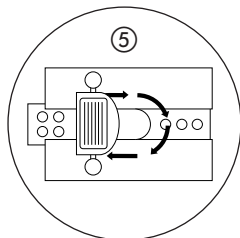
Set the templates to the required tenon length. (See p.14)

Set the top plate to the centre line. (See p.15)

- ⑤ Set the depth of cut and rout in increasing depths to complete the tenon.



When angle is greater than 20° move top F clamp to its lower position.



**Setting Up for the Mortise**



**A**  
① Clamp the timber for the mortise horizontally flush underneath the top plate.

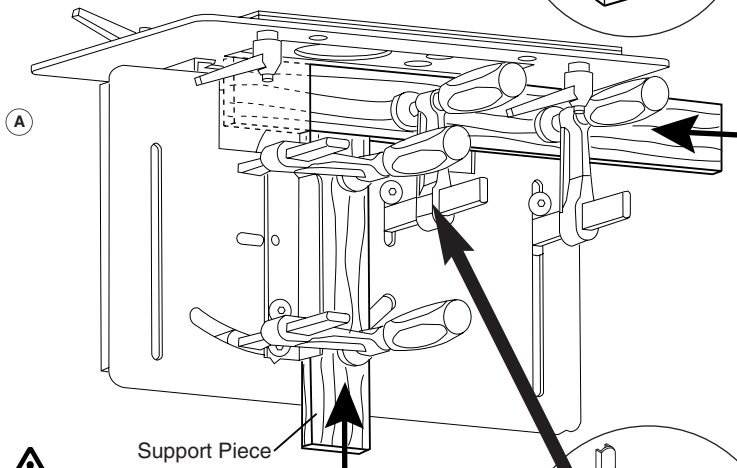
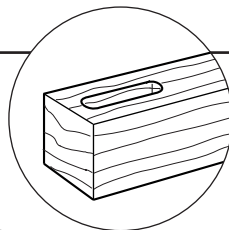
② When narrow timbers are to be used and when the mortise is at the end of the timber, the fourth F clamp can be used to secure it. The plastic cap should be fitted as shown.

③ A scrap piece of timber can also be clamped vertically to give support and to assist in positioning of the horizontal timber.

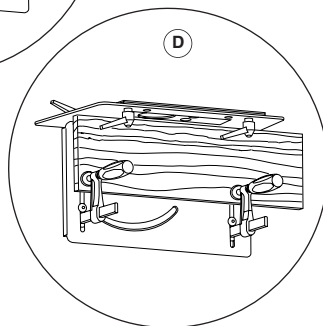
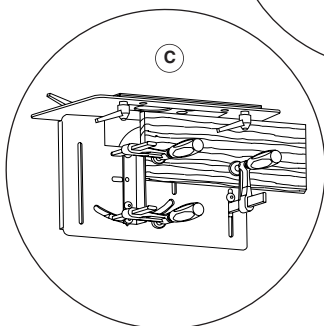
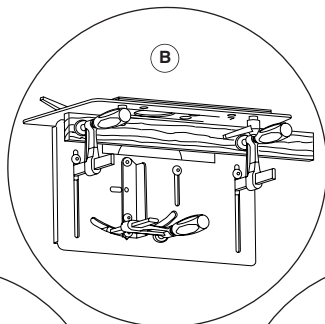
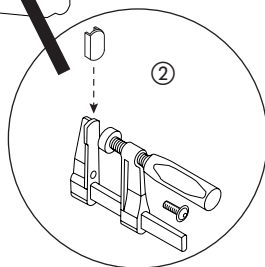
**B**  
④ This alternative set-up with fourth F clamp fitted in position on the left slot of the tilting back plate can be used.

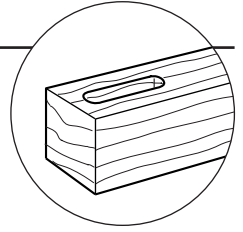
**C**  
⑤ Wider timber can be also accommodated by using the top clamp of the vertical guide.

**D**  
⑥ Or removing the vertical guide and clamps and using a clamp in the left slot of the tilting back plate.



**When cutting at the end of the timber it is advisable to add extra support or alternatively use a longer length of timber and then cut it to length.**

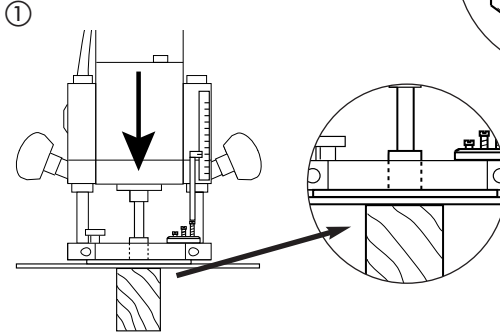




**Cutting the Mortise**

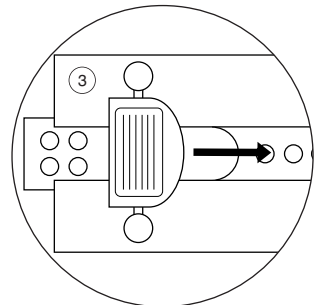
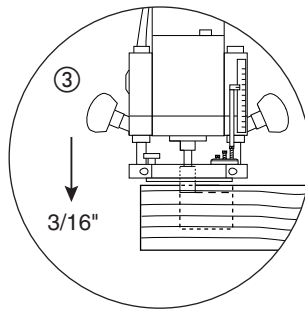
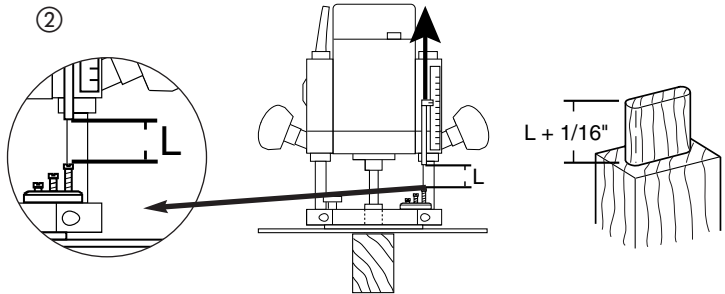


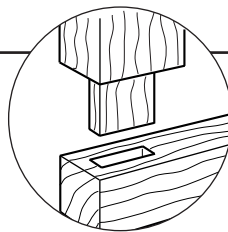
① After fitting appropriate bit and 2-1/8" template guide bush. Lower bit down until it touches end of timber and lock off plunge of router.



② Raise and lock the depth stop to the length of the tenon required plus 1/16".

③ Plunge and rout backwards and forwards at a depth of no more than 3/16" in repeated passes until the full depth is reached as set by the depth stop.



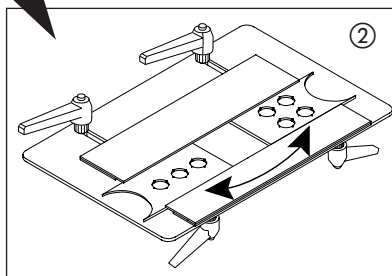
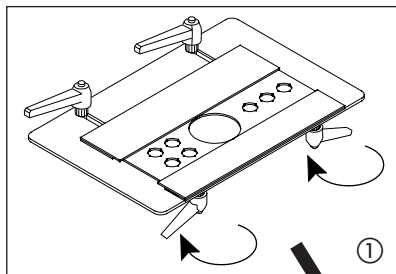


**Square Mortise & Tenons**



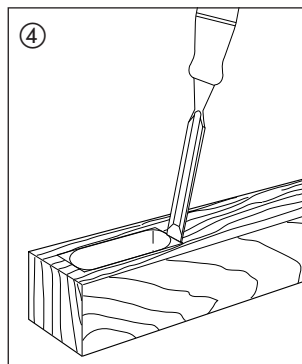
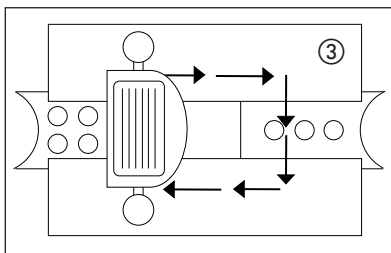
**Tenons**

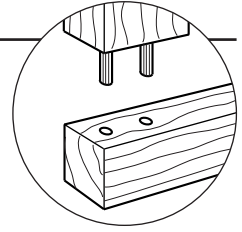
- ① Release locking levers.
- ② Turn each template around. Set-up positions of top plate and templates as for round tenons.
- ③ Rout in a clockwise direction following the template.



**Mortise**

- ④ The mortise is routed in the same way. Square the ends of the mortise with a suitable size of chisel.

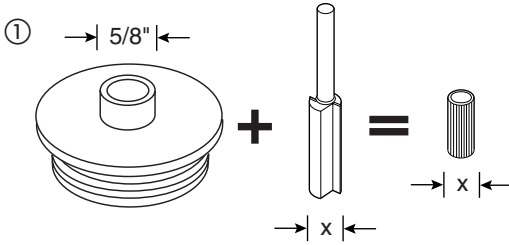




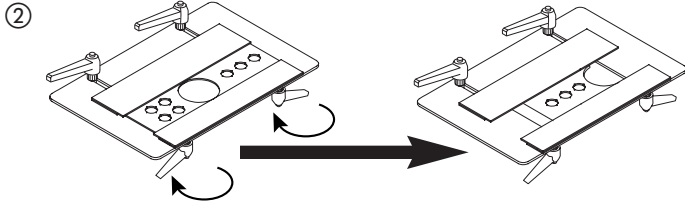
**Dowelling**



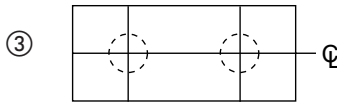
① Select and fit the  $\frac{5}{8}$ " guide bush and a straight router bit to suit the diameter of the dowels being used.



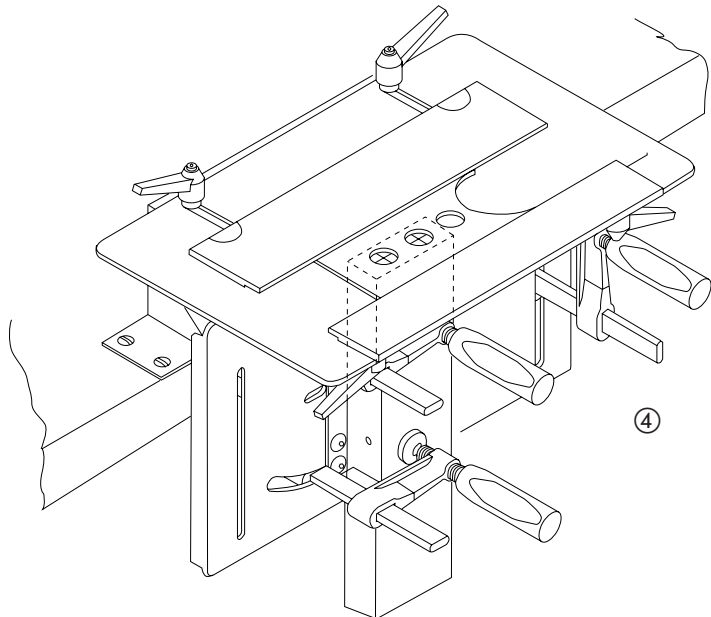
② Select the short or long template depending on the formation of holes to be used.



③ Mark the timber centre line and dowel positions. Note the template hole centres are at 1" centres.



④ Set-up and secure the timber in the same way as for mortise and tenons. But align the top plate using the centre line notches on the template holes. Set the cutter depth to slightly more than half the dowel length.

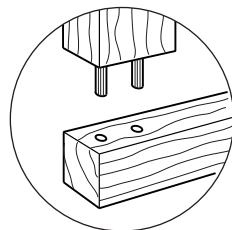
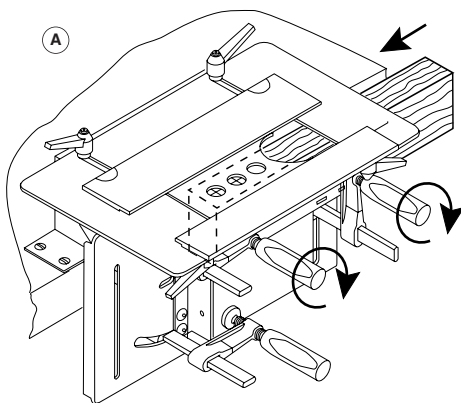


Locate the guide bush in each hole and rout the holes in a series of plunge cuts to prevent waste from packing around the cutter.

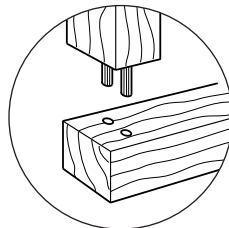
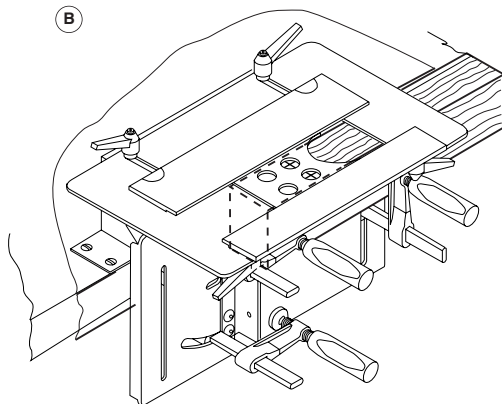


**Dowelling the Horizontal Timber Section**

- A** ① Position the horizontal timber tight to the underside of the top plate.
- ② Then clamp it securely using a vertical timber piece as a support.
- ③ Plunge rout the holes as before.



- B** Use the short plate for an alternative formation of holes.



**MAINTENANCE**

This jig has been designed to operate over a long period of time with a minimum of maintenance. Continual satisfactory operation depends upon proper tool care and regular cleaning.

**Cleaning**

- Regularly clean the jig with a soft cloth.

**Lubrication**

- Your jig requires no additional lubrication.

**ENVIRONMENTAL PROTECTION** 

**Recycle raw materials instead of disposing as waste.**

Packaging should be sorted for environmental-friendly recycling.



The product and its accessories at the end of its life should be sorted for environmentally friendly recycling.

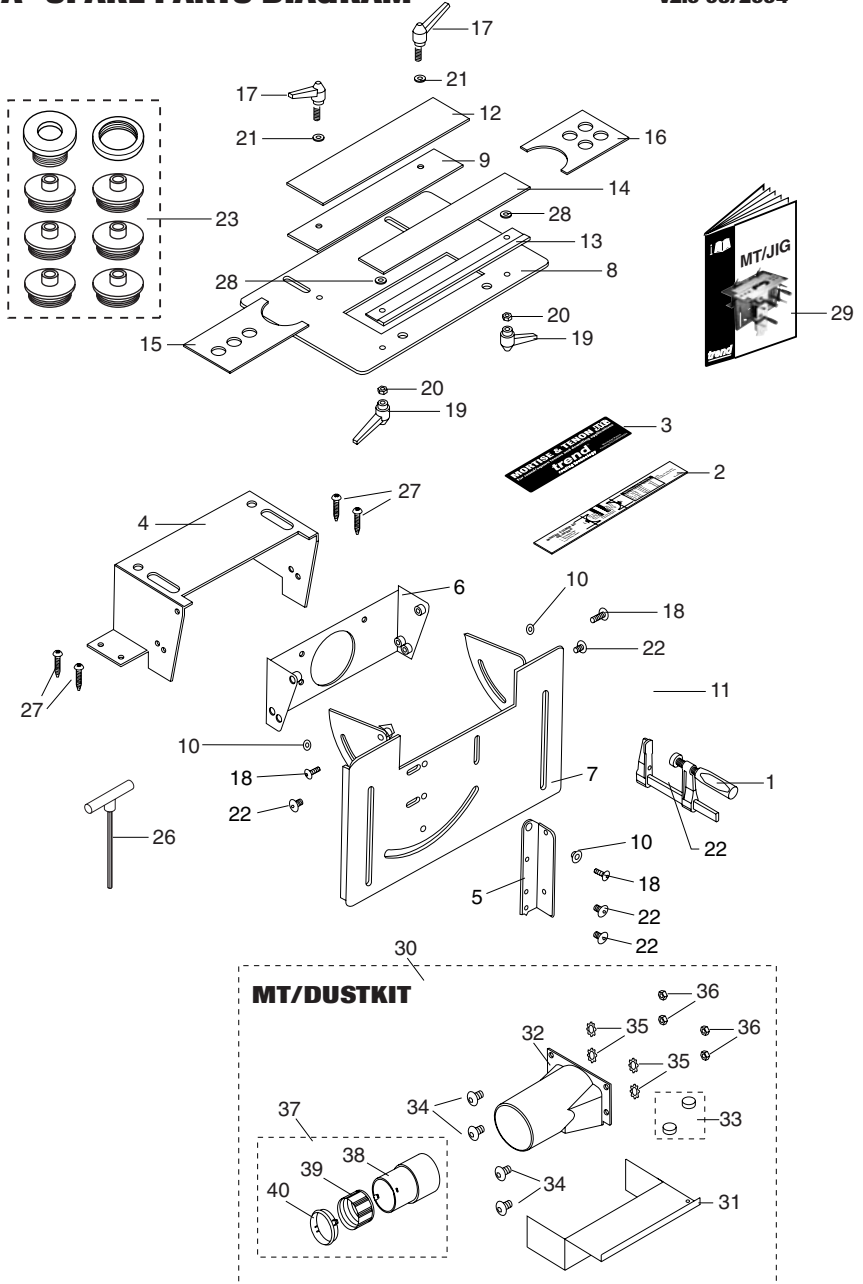
**GUARANTEE**

The unit carries a manufacturers guarantee in accordance with the conditions on the enclosed guarantee card.

| <b>MT/JIG USA - SPARE PARTS LIST</b>  |             |                                           | <b>V2.0 06/2004</b> |
|---------------------------------------|-------------|-------------------------------------------|---------------------|
| <b>No.</b>                            | <b>Qty.</b> | <b>Desc.</b>                              | <b>Ref.</b>         |
| 1                                     | 4           | F Clamp for MT/JIG                        | WP-MT/01            |
| 2                                     | 1           | MT/JIG Set-up Bar                         | WP-MT/02/USA        |
| 3                                     | 1           | Label Trend MT/JIG                        | WP-MT/03            |
| 4                                     | 1           | Main Body                                 | WP-MT/04            |
| 5                                     | 1           | Vertical Guide                            | WP-MT/05            |
| 6                                     | 1           | Inner Body                                | WP-MT/06            |
| 7                                     | 1           | Tilting Back Plate                        | WP-MT/07            |
| 8                                     | 1           | Top Plate                                 | WP-MT/08            |
| 9                                     | 1           | Back Clamp Plate Packing Piece            | WP-MT/09            |
| 10                                    | 3           | Pivot Bush                                | WP-MT/10            |
| 11                                    | 1           | F Clamp Square Cap                        | WP-MT/11            |
| 12                                    | 1           | Back Clamp Plate                          | WP-MT/12            |
| 13                                    | 1           | Front Clamp Plate Packing Piece           | WP-MT/13            |
| 14                                    | 1           | Front Clamp Plate                         | WP-MT/14            |
| 15                                    | 1           | Template Long                             | WP-MT/15            |
| 16                                    | 1           | Template Short                            | WP-MT/16            |
| 17                                    | 2           | Adjustable Lever M6 x 15mm                | CR/KB/PK8           |
| 18                                    | 3           | Machine Screw Button M6 x 16mm Skt        | WP-SCW/75           |
| 19                                    | 2           | Adjustable Lever M6 Female                | CR/KB/PK9           |
| 20                                    | 2           | Hex Nut M6                                | WP-NUT/06           |
| 21                                    | 2           | Washer M6 Form C                          | WP-WASH/12          |
| 22                                    | 6           | Machine Screw Button Flange M6 x 12mm Skt | WP-SCW/73           |
| 23                                    | 1           | Guide Bush Set Imperial 8 pc USA          | WP-MT/23/USA        |
| 26                                    | 1           | T Handle Hex Key 4mm x 150mm              | HK/T/04             |
| 27                                    | 4           | Self Tapping Screw Pan No.10 x 3/4 Pozi   | WP-SCW/108          |
| 28                                    | 2           | Clamping Bar Shims                        | WP-MT/28            |
| 29                                    | 1           | Manual                                    | MANU/MT/USA         |
| <b>DUST EXTRACTION KIT (OPTIONAL)</b> |             |                                           |                     |
| 30                                    | 1           | Dust Kit Complete                         | MT/DUSTKIT          |
| 31                                    | 1           | Dust Shield                               | WP-MT/31            |
| 32                                    | 1           | Dust Spout 2 1/4"                         | WP-SRT/16           |
| 33                                    | 1           | Magnet Pack 10mm x 3mm (Pack of 4)        | MAG/PACK/2          |
| 34                                    | 4           | Machine Screw Button Flange M6 x 12mm Skt | WP-SCW/73           |
| 35                                    | 4           | M6 Internal Shakeproof Washer             | WP-WASH/31          |
| 36                                    | 4           | Nut Hex M6                                | WP-NUT/06           |
| 37                                    | 0           | Hose Adaptor 2 1/4"-1 1/2"                | CRT/3               |
| 38                                    | 1           | Adaptor Body                              | WP-CRT/97           |
| 39                                    | 1           | Adaptor Fitting                           | WP-CRT/98           |
| 40                                    | 1           | Adaptor Clip                              | WP-CRT/99           |
| <b>BIT SETS (OPTIONAL)</b>            |             |                                           |                     |
| 41                                    | 0           | Router Bit Set Imperial 5pc               | SET/MT1             |

**MT/JIG USA- SPARE PARTS DIAGRAM**

v2.0 06/2004



MANU/MT/USA v3.0



RECYCLABLE

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