



DG/PRO JIG



trend[®]
routing technology



Please read these instructions before use.
Patent App No. GB1718517.4

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

Jig thickness	12mm
Cutter size	Various
Slot length (approx.)	447mm
Slot depth at sink (approx.)	4mm to 4.5mm
Gradient	0.5°
Router carriage ski working area	447mm x 415mm
Guide bush size	30mm*

(*Except DGP/IP/LF)

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.

This unit must not be put into service until it has been established that the power tool to be connected to this unit is in compliance with 2006/42/EC (identified by the CE marking on the power tool).

INTENDED USE

This jig is intended to be used with a plunge router fitted with suitable cutter and guide bush and the relevant accessory insert plate to rout draining grooves in natural wood or solid surface worktops. The router carriage and ski assembly will allow a worktop to be taper recessed, or with careful marking out parallel tapered drainer grooves could be cut.



If you require further safety advice, technical information or spare parts, please call Trend Technical Support or visit www.trend-uk.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.

The attention of UK users is drawn to The Provision and Use of Work Equipment Regulations 1998, and any subsequent amendments.

Users should also read the HSE/HSC Safe Use of Woodworking Machinery Approved Code of Practice and Guidance Document and any amendments.

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 cutters. Ensure switch is in "off" position. Always ensure cutter 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 jewellery, 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 cables 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 cutter 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 cutters with care. Keep cutters sharp and clean for better and safer performance. Do not use damaged cutters. 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 cable, extension cable and the plug carefully for signs of damage. Check for alignment of moving parts, binding, breakage, mounting and any other conditions that may affect 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 cable. 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 UK and EU 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 EN847-1/2 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 Health & Safety Guide.

Routing Safety

1. Read and understand instructions supplied with power tool, attachment and cutter.
2. Keep hands, hair and clothing clear of the cutter.
3. Remove adjusting keys and spanners. Check to see that keys and adjusting spanners are removed from the router tool, cutter and attachment before turning router on. Make sure cutter 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. Always wear a face or dust mask, or powered respirator. Dust masks/filters should be changed regularly.
7. Do not switch router on with the cutter touching the workpiece. At the end of the cut, release the router plunger and allow spindle to stop rotating. Never use the spindle lock as a brake

- The direction of routing must always be opposite to the cutter's direction of rotation. Do not back-cut or climb-cut.
- 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.
- Hold power tool by insulated gripping surfaces, because the cutter may contact its own cord. Cutting the "live" wire may make exposed metal parts of the powertool "live" and shock the operator.
- Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.

Router Cutter Safety

- Cutting tools are sharp. Care should be taken when handling them. Do not drop cutters or knock them against hard objects. Handle very small diameter cutters with extra care. Always return cutter to its packaging after use.
- Always use cutters with a shank diameter corresponding to the size of the collet installed in your tool.
- 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.
- Always use router cutters in a router. Drill and boring bits must not be used in a router. Router cutters must only be used for the material cutting application for which they are designed. Do not use on metal or masonry.
- Never use cutters with a diameter exceeding the maximum diameter indicated in the technical data of the powertool or attachment used.
- 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.
- Cutters should be kept clean. Resin build up should be removed at regular intervals with Resin Cleaner. The use of a PTFE dry lubricant will reduce resin build up. Do not use PTFE spray on plastic parts.
- When using stacked tooling (multi-blade, block and groover etc.) on a spindle arbor, ensure that the cutting edges are staggered to each other to reduce the cutting impact.
- Cutter 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.
- Observe the correct assembly and fitting instructions in the router instruction manual for fitting the collet, nut and cutter.
- 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.
- 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
- Do not take deep cuts in one pass; take several shallow or light passes to reduce the side load applied to the cutter and router. Too deep a cut in one pass can stall the router.
- In case of excessive vibrations whilst using the router stop immediately and have the eccentricity of the router, router cutter and clamping system checked by competent personnel
- All fastening screws and nuts should be tightened using the appropriate spanner or key and to the torque value provided by the manufacturer.
- Extension of the spanner or tightening using hammer blows shall not be permitted.
- 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.
- Do not touch the cutter immediately after operation; it may be extremely hot and could burn your skin.

Using Routers In A Fixed Position

- Attention should be made to the HSE's Safe Use of Vertical Spindle Moulding Machines Information Sheet No.18 and any revisions.
- After work, release the router plunge to protect the cutter.
- Always use a push-stick or push-block when making any cut less than 300mm in length or when feeding the last 300mm of the cut.
- The opening around the cutter 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.

- 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.
- Use a No-Volt Release Switch. Ensure it is fixed securely, easily accessible and used correctly.
- In router table (inverted) mode, stand to the front right of the table. The cutter will rotate anti-clockwise when viewed from top so the feed direction is from the right (against the rotation of the cutter). In overhead mode, stand to the front left of the machine table and the feed direction is from the left.
- 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.
- Never thickness timber between the back of the cutter and the backfence.

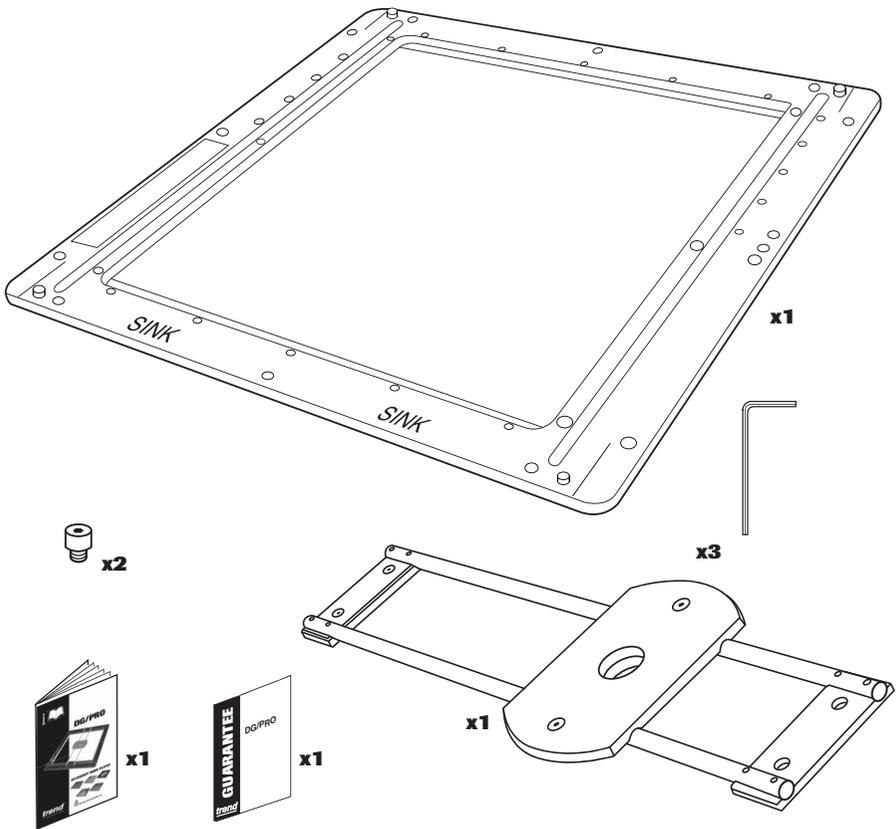
Useful Advice When Routing

- 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.
- Trial cuts should be made on waste material before starting any project.
- When using some attachments e.g. a router table or dovetail jig, a fine height adjuster is recommended.
- When using a template guide bush, ensure there is sufficient clearance between cutter tip and inside edge of bush and that it cannot come into contact with collet and nut. Ensure cutter and guide bush are concentric.

Router Cutter Repair/Maintenance

- Repair of tools is only allowed in accordance with the manufacturers instructions.
- 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.
- 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.
- Tolerances which ensure correct clamping shall be maintained.
- 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.

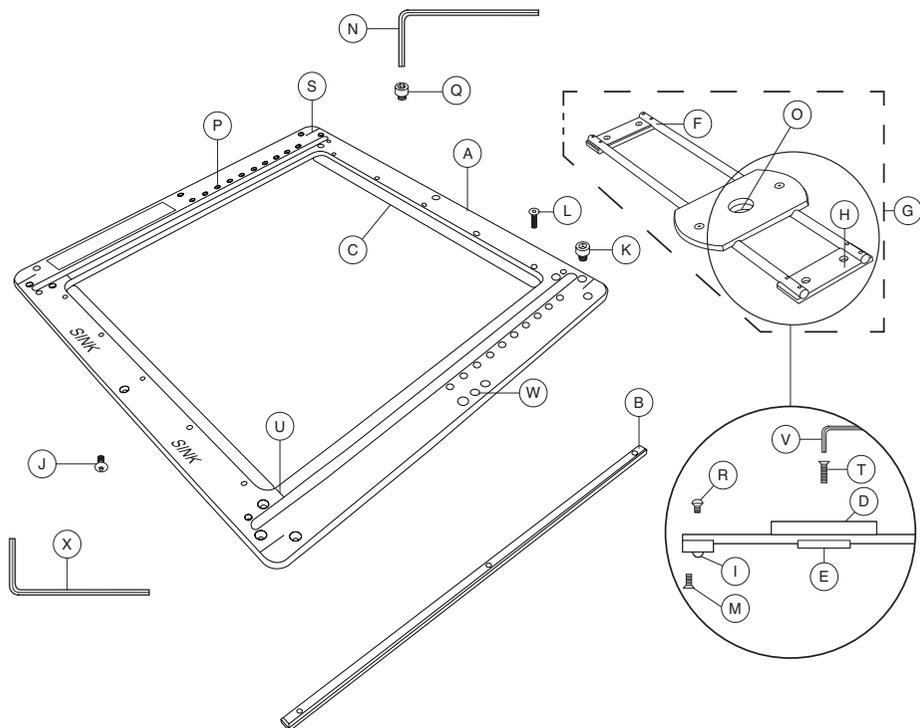
ITEMS ENCLOSED



ITEMS REQUIRED

- 1/2" plunge router.
- 30mm guide bush (20mm guide bush for Lightning Fan Inner Plate Template accessory).
- Suitable router cutters.
- Trestles x 2.
- Clamps x 3.
- Hand tools.

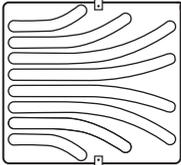
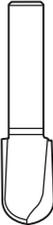
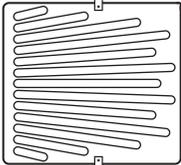
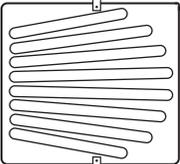
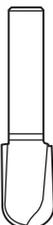
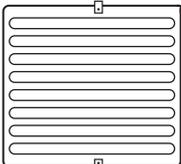
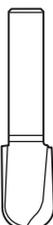
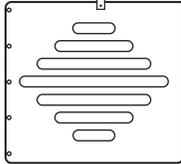
DESCRIPTION OF PARTS



- | | |
|---|--|
| (A) Jig body | (M) Router carriage ski plate to rod screw |
| (B) Rail (supplied pre-fitted) | (N) Hex key 5mm A/F |
| (C) Inner plate template support | (O) Router carriage guide bush hole |
| (D) Router carriage top plate | (P) Index stop pin holes |
| (E) Router carriage bottom plate | (Q) Index stop pin |
| (F) Router carriage bar | (R) Router carriage ski bar to plate screw |
| (G) Router carriage & ski assembly | (S) Clamp position guide line |
| (H) Router carriage ski plate | (T) Router top plate fixing screw |
| (I) Router carriage ski bar | (U) Cutter line |
| (J) Inner plate template support fixing screw | (V) Hex key 4mm A/F |
| (K) Stop screw | (W) Index pin park |
| (L) Rail fixing screw | (X) Hex key 3mm A/F |

ACCESSORIES

Please use only Trend original accessories.

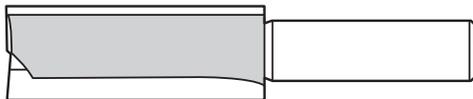
Accessory Inner Plate	Guide Bush	Router Cutter
<p>Curved Fan Ref. DGP/IP/CF</p> 	<p>30mm Guide Bush Ref. GB30</p> 	<p>R9.5mm x 80mm OL Ref. C056AX1/2TC</p> 
<p>Lightning Fan Ref. DGP/IP/LF</p> 	<p>20mm Guide Bush Ref. GB20</p> 	<p>R6mm x 86mm OL Ref. C053CX1/2TC</p> 
<p>Straight Fan Ref. DGP/IP/SF</p> 	<p>30mm Guide Bush Ref. GB30</p> 	<p>R9.5mm x 80mm OL Ref. C056AX1/2TC</p> 
<p>Straight Slot Ref. DGP/IP/SS</p> 	<p>30mm Guide Bush Ref. GB30</p> 	<p>R9.5mm x 80mm OL Ref. C056AX1/2TC</p> 
<p>Hot Rod Ref. DGP/IP/HR</p> 	<p>30mm Guide Bush Ref. GB30</p> 	<p>R6mm x 86mm OL Ref. C053CX1/2TC</p> <p>R6.35mm x 86mm OL Ref. C054AX1/2TC</p> 

Recommended Recess Cutter

19.1mmØ x 92.5mm OL

Ref. C030BX1/2TC

To rout shallow tapered recess.



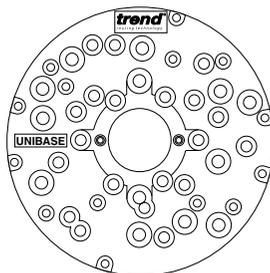
Sub-base Set

Ref. UNIBASE

To obtain a perfect accurate close fitting joint, a 30mm guide bush must be used. The guide bush must always be fitted concentric with the cutter. This can be achieved using a Universal Sub-base and 30mm outside diameter guide bush ref. GB30/A.

The Universal Sub-base has a central recess to allow fitting of the guide bush to most makes of routers and is available ready to fit the most popular makes.

The Sub-base contains screws, a line up bush and two line up pins. The line up pins and bush ensure exact alignment of Sub-base with router spindle, when fitted with the relevant collet.



General Instructions for Fitting Sub-bases to Router

1. Fit line up guide bush onto sub-base, with screws supplied.
2. Fit 12.7mm (1/2") shank line up pin into collet of router. Plunge router until pin projects through base and lock plunge.
3. Locate guide bush and sub-base assembly over protruding pin.
4. Line up fixing holes and fit screws.
5. Now tighten up screws.
6. Remove line up bush and line up pin. Alignment should now be correct. Fit 30mm guide bush and cutter.
7. Periodically check the sub-base is concentric to the spindle of the router.

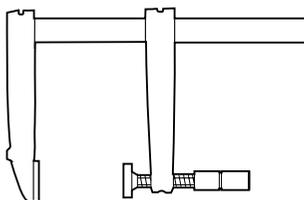
Fits following router models

Atlas Copco OFSE2000 **Bosch** GOF 1300ACE, 1600A, 1700ACE **Casals** FT2000VCE **DeWalt** DW625EK, 629 **Draper** R1900V **Elu** MOF 31, 77, 98, 131, 177(E) **Felisatti** TP246(E), R346EC **Festo** OF2000E **Freud** FT2000E **Hitachi** M12V, M12SA, TR12 **Makita** 3612BR, 3612(C) **Metabo** OF1612, OFE1812 **Performance Pro** CLM1250R >11/2003, CLM2050R **Ryobi** RE600N, R600N, RE601, R500, R502 **Skil** 1875U1 **T-TECH** TT/R127 **Wadkin** R500

Clamps

Ref. FC/200

Two heavy duty quick action or gripper clamps are required to secure the jig to the worktop.

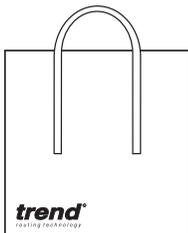


Whenever clamps are used, ensure they do not foul the router path and that they are securely tightened.

Carry Case

Ref. CASE/DG

Hard wearing carry case to protect and allow ease of carrying of the DG/PRO.



ASSEMBLY

Setting up the Router



- Isolate router from power supply.
- Fit guide bush to router.
- Fit router cutter into router.

Worktop



- Position the kitchen worktop onto the units and mark out aperture for sink as per sink manufacturers instructions. Cut out the aperture as per sink manufacturers instructions.
- For Belfast type sinks cut an anti-drip groove on the underside of the worktop around the sink perimeter aperture.
- Move worktop away from units as all round access is required for clamping jig to the worktop.



Ensure worktop is held securely to trestles.

Ensure jig is clamped securely to worktop and placed at a comfortable height.



Before cutting an actual worktop, make trial cuts on a waste piece of worktop to check groove depth and spacing is correct and to allow familiarisation of jig.



Ensure worktop is clamped and held securely when using the jig.



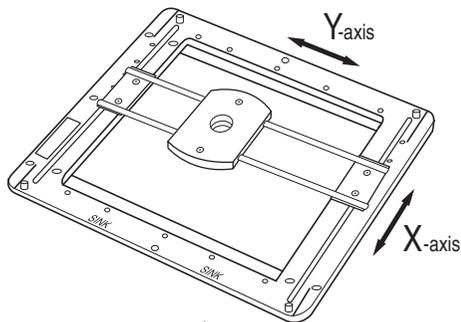
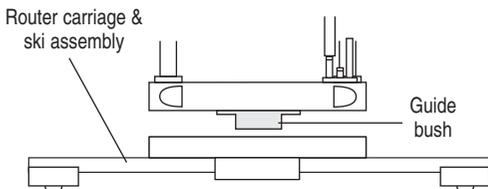
Ensure working position is comfortable. Keep proper footing and balance at all times. Ensure worktop is of a suitable size to support jig.

OPERATION



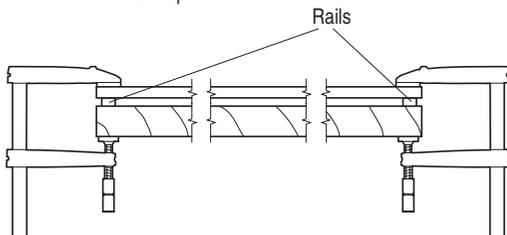
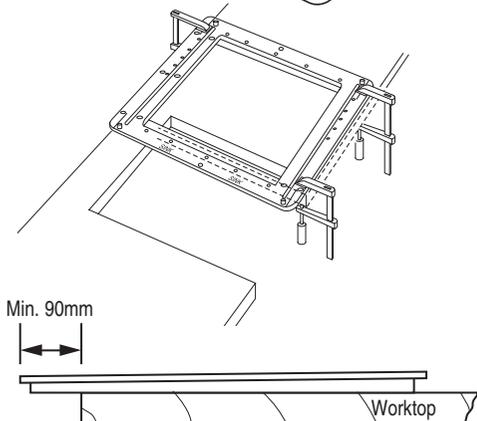
Router Carriage & Ski Assembly Use

- The router carriage ski plate has a 30mm diameter hole that accepts a 30mm guide bush fitted to the underside of router.
- The router carriage & ski assembly gives the ability to allow for:-
 - (a) Parallel drainer grooves to be routed, (without the accessory inner plate templates fitted) when the router carriage Y-axis is locked.
 - (b) Tapered recess affect to be cut in the worktop, using the carriage X-axis & Y-axis travel facility.



Positioning Jig On Worktop for Router Carriage & Ski Assembly Use

- Mark the worktop to denote which side the draining grooves are required. Decide if grooves required on the left or right or both sides of the sink. Double check pencil mark positions of grooves and adjust if necessary.
- Place the frame on the worktop ensuring it is orientated and positioned correctly.
- Position the jig on the worktop so that jig edge is minimum 90mm away from sink edge (this ensures that the jig overhangs the edge of the worktop to ensure that the cutter will run out in the sink aperture area). Re-check position.
- Clamp jig to the worktop using three clamps ensuring the clamps will not foul the router base. The jig is marked with clamp position line as an aid.
- The clamps may need to be repositioned for some cuts that are at the extremities of the frame.



Ensure clamps are within clamp position guide lines.

PARALLEL GROOVE ROUTING

Parallel Drainer Groove Routing with Router Carriage & Ski Assembly

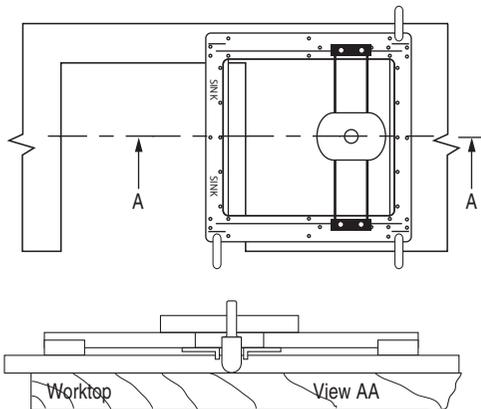
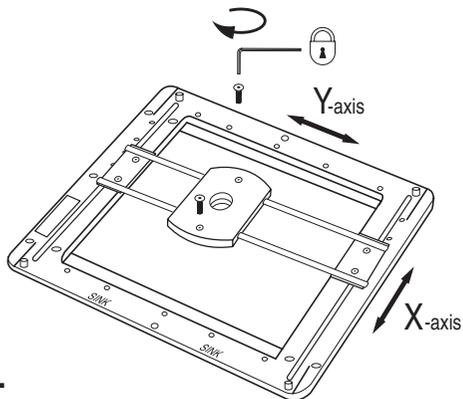
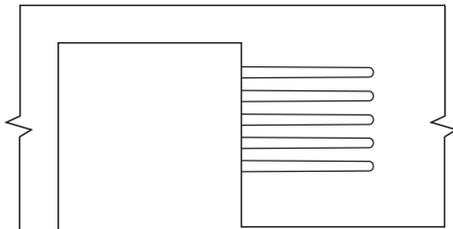
- The router carriage ski plate can be locked with the use of a hex key, this locks the Y-axis (across worktop), and will allow only X-axis movement (left/right movement towards or away from sink); this enables parallel grooves to be routed.
- The frame has index holes at 50mm centres which when fitted with the supplied index stop pins can be used to limit the length of the grooves. Use 5mm A/F hex key to adjust position of the index stop pins.
- The worktop will require careful marking out as the marked out lines will be used to set the position of the cut, as there is no mechanical positioning across the width of the worktop.



Careful marking out is required for parallel tapered drainer grooves when using the router carriage & ski assembly.

Setting the Depth of Cut for Parallel Drainer Groove Routing

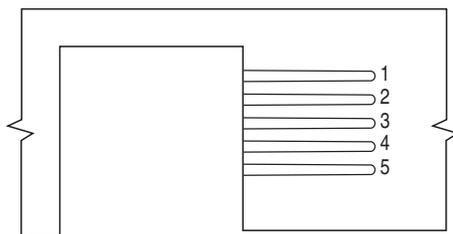
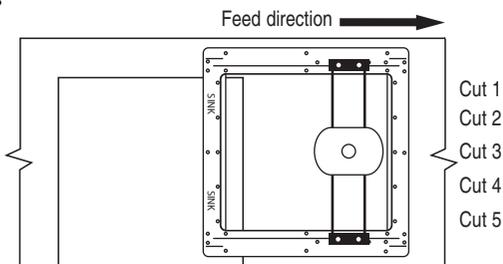
- Fit a suitable cutter diameter cove cutter and 30mm guide bush to the router base.
- Position router carriage & ski assembly to the shallow end of the jig ensuring that the worktop can be seen below.
- With the router carriage & ski assembly fitted into the frame, place the router with the 30mm guide bush fitted into the 30mm hole in the router carriage plate.
- Plunge router down until the cutter is just touching the worktop.
- Set the router depth stop 4mm (maximum 4.5mm).
- The frame has end stops that will limit the travel; there are also index stop pin holes that accept index stop pins that can be used to limit the length of the parallel grooves in increments of 50mm.



A 0.5mm difference in depth of cut can make a considerable difference to the finished groove.

Routing the Parallel Drainer Groove 

- Position the router carriage & ski assembly at the sink end. Place the router with guide bush fitted into the 30mm hole in the router carriage top plate.
- Switch on router and plunge to height setting. Rout the groove feeding up the slope away from the sink end using a slow feed. At the top of the frame stop and release plunge and switch off router. The slot in the groove depth in the worktop will get shallower.
- At end of cut, check slots are routed to correct length and correct depth before repositioning the router carriage plate. Recut if needed.
- Move router carriage & ski assembly to the next marked position as required and repeat the routing operation.
- Repeat until the finished draining grooves have been cut.

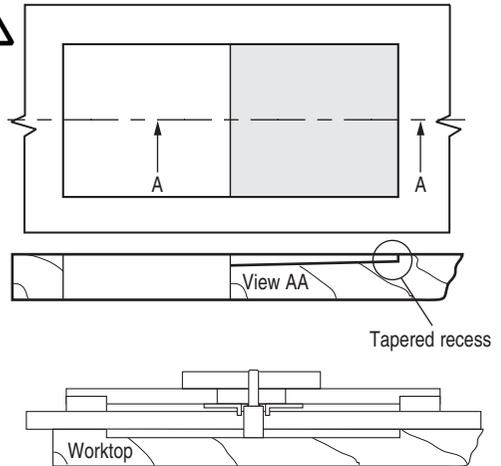


To prevent damaging the jig make sure the router plunge is fully released after completing the cut.

TAPERED RECESS ROUTING

Tapered Recess Routing with Router Carriage & Ski Assembly

- The router carriage & ski assembly when used with a suitable diameter cutter will allow a tapered recess to be cut into the worktop over a defined area. This area can then have drainer grooves added as required when the relevant accessory inner plate template is used.
- The frame has index stop pin holes at 50mm centres which when fitted with the supplied index stop pins can be used to limit the length of the recess.
- If the recess width needs to be narrower, user made limit stops will need to be clamped to the jig.

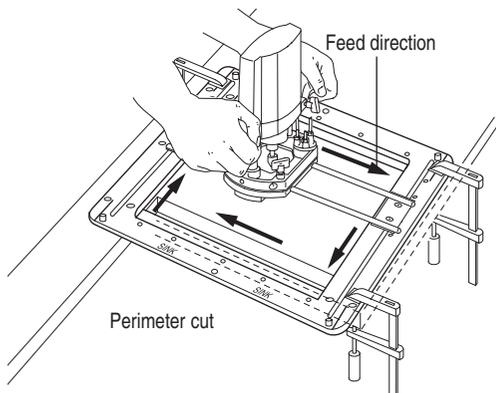


Setting the Depth of Cut for Tapered Recess Routing

- Fit suitable cutter diameter straight cutter and 30mm guide bush to the router base.
- Position router carriage & ski assembly to the shallow end of the jig ensuring that the worktop can be seen below.
- With the router carriage & ski assembly fitted into the frame, place the router with the 30mm guide bush fitted into the 30mm hole in the router carriage plate.
- Plunge router down until the cutter is just touching the worktop.
- Set the router depth stop to suit recess depth required.

Routing the Tapered Recess using Router Carriage & Ski Assembly

- It is advisable to cut the perimeter 5mm inset from final required perimeter size. (A final perimeter trim cut is carried out after tapered recess is cut).
- Position the router carriage & ski assembly at the sink end. Place the router with guide bush fitted into the 30mm hole in the router carriage top plate.
- Switch on router and plunge to height setting. Rout the recess feeding up the slope away from the sink end using a slow feed. At the end of the frame move the router across the worktop, then down the other edge.
- Ensure the router cutter passes out of the wood at the sink end.
- Once a 5mm inset perimeter has been created, carefully starting at sink end, rout back and forth across worktop in increments of 10-15mm. For right hand drainer rout across worktop from back to front. For left hand drainer rout across worktop from front to back.
- When tapered recess is complete run around final perimeter in a clockwise direction to trim edge.
- Release plunge and switch off router.
- Before removing the jig, check that the worktop has been completely recessed. If the area is not recessed properly, go back and remove any high spots.



Feed in a clockwise direction.



Care must be taken to prevent cutter snatch when cutting recess.



To prevent damaging the jig make sure the routers plunge is fully released after completing the cut.

ACCESSORY INNER PLATE TEMPLATE ROUTING

Please use only Trend original accessories.

Fitting the Inner Plate Templates into Frame

The inner plate template adjuster screws are to adjust the tightness in the frame. By loosening the screws with the 3mm A/F hex key the plate can be made a tighter fit.

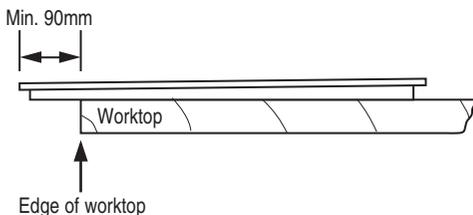
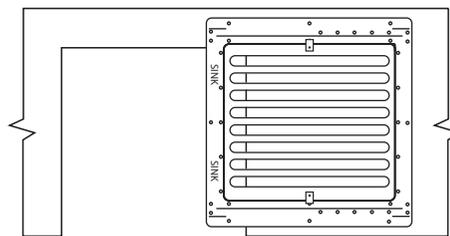
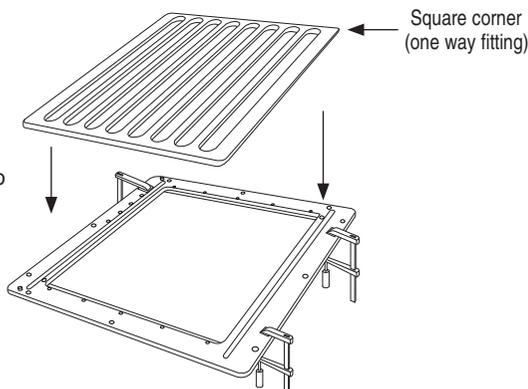
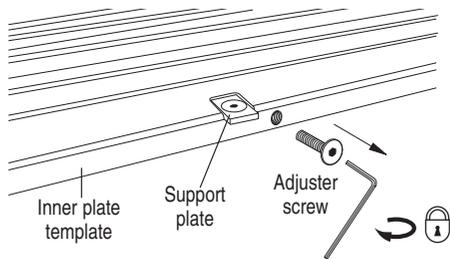
The screw adjusters can be found on the front edge and the edge nearest the sink.

The Hot Rod inner plate template has only one tightness adjuster on the front edge.

The inner plate templates excluding the Hot Rod also have supports on the front and back edge to help support the templates when in the frame. The inner plate templates have a square corner for one way fitting.

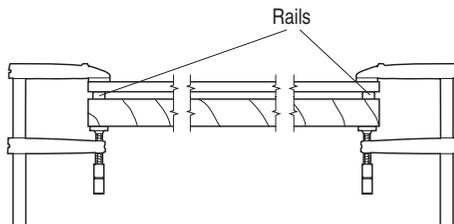
Positioning Jig on Worktop for Accessory Inner Plate Template

- Mark the worktop to denote which side the draining grooves are required. Decide if grooves required on the left or right or both sides of the sink.
- Place chosen inner plate template and position in the frame (to create the jig assembly), ensuring the inner plate template is orientated and positioned correctly (one corner of the inner plate template is square so as to locate in the square corner of the frame).
- Using the insert plate template and frame as a guide mark the first and last position. The groove pitch centre varies depending on the inner plate template used. The frame must overhang the edge of the worktop by minimum 90mm to ensure that the cutter will run out in the sink aperture area. Double check pencil mark positions of grooves and adjust if necessary.
- Position the jig on the worktop to the marked pencil lines, then using the cutter line on the jig ensure that the jig overhangs the edge of the worktop to ensure that the cutter will run out in the sink aperture area. Re-check position.



The router carriage & ski assembly is not used with the inner plate templates.

- Clamp jig to the worktop using three clamps ensuring the clamps will not foul the router base. The jig is marked with clamp position guide lines as an aid.
- The clamps may need to be repositioned for some grooves that are at the extremities of the frame. If clamping towards ends of the slots ensure the top of the frame does not lift.



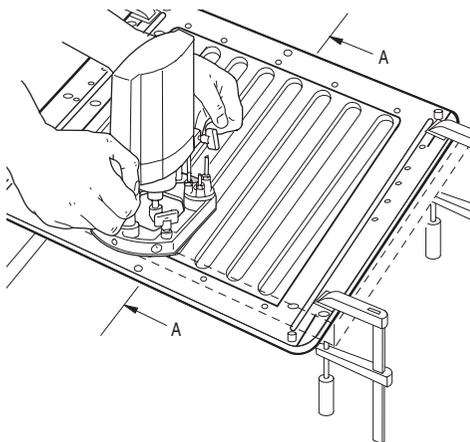
Ensure the inner plate adjuster screws are adjusted properly for a good fit in the frame otherwise the template could move and give a poor result.



The Hot Rod inner plate template has a series of screw supports on the underside at one end to ensure that it is level in the frame. Do not remove these screws.

Setting the Depth of Cut for Accessory Inner Plate Template

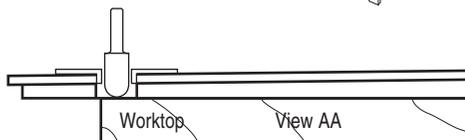
- Fit chosen router cutter and guide bush into the router.
- With the inner plate template fitted into the frame. Set the router with guide bush fitted into one slot and position router to the shallow end of the jig assembly ensuring that the worktop can be seen below the cutter.
- Plunge router down until the cutter is just touching the worktop.
- Set the router depth stop 4mm (maximum 4.5mm). For 12mm hot rod accessory insert plate set depth at 4-6mm deep.



A 0.5mm difference in depth of cut can make a considerable difference to finished groove.

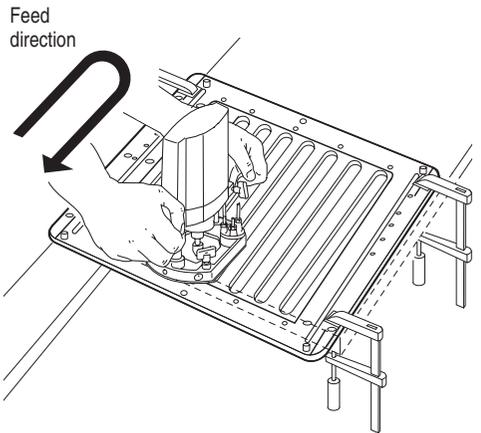
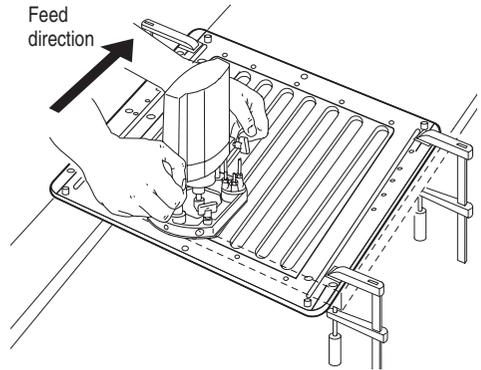


The router carriage & ski assembly is not used with the inner plate templates.



Routing the Groove with Accessory Inner Plate Template 

- Position router in first slot at sink end.
- Hold router against the far edge of the inner plate template slot (towards top of jig frame).
- Switch on router and plunge to depth setting. Rout groove feeding up the slope away from the sink end using a slow feed. The slot in the groove depth in the worktop will get shallower.
- At the end of the cut move router against the near edge of the slot and rout back down the slot towards the sink. The slots are 0.2mm oversize to allow for return pass. Ensure the router cutter passes out of the wood at the sink end.
- Release plunge and switch off router.
- Repeat this operation for each slot in the jig assembly as required.
- Before removing the jig, check all slots are routed to the correct length and correct depth. If any of the grooves are not correct, adjust the depth of cut accordingly and recut.

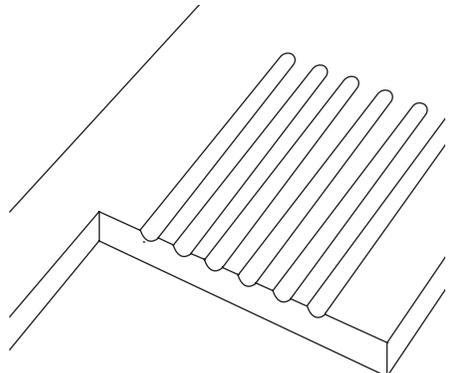


To prevent damaging the jig make sure the routers plunge is fully released after completing the cut.

After use, remove inner plate template from jig frame and store all parts carefully.

Finishing the Draining Groove 

- When routing is complete, remove any rough edges with fine grade abrasive paper.
- Finish and seal the worktop with appropriate sealer, following worktop manufacturers instructions.



MAINTENANCE

Please use only Trend original spare parts and accessories.

The 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.

Storage

- After use, store jig in its packaging or it can be hung on a wall hook.
- An accessory case is available Ref. CASE/DG.

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 their life should be sorted for environmental friendly recycling.

GUARANTEE

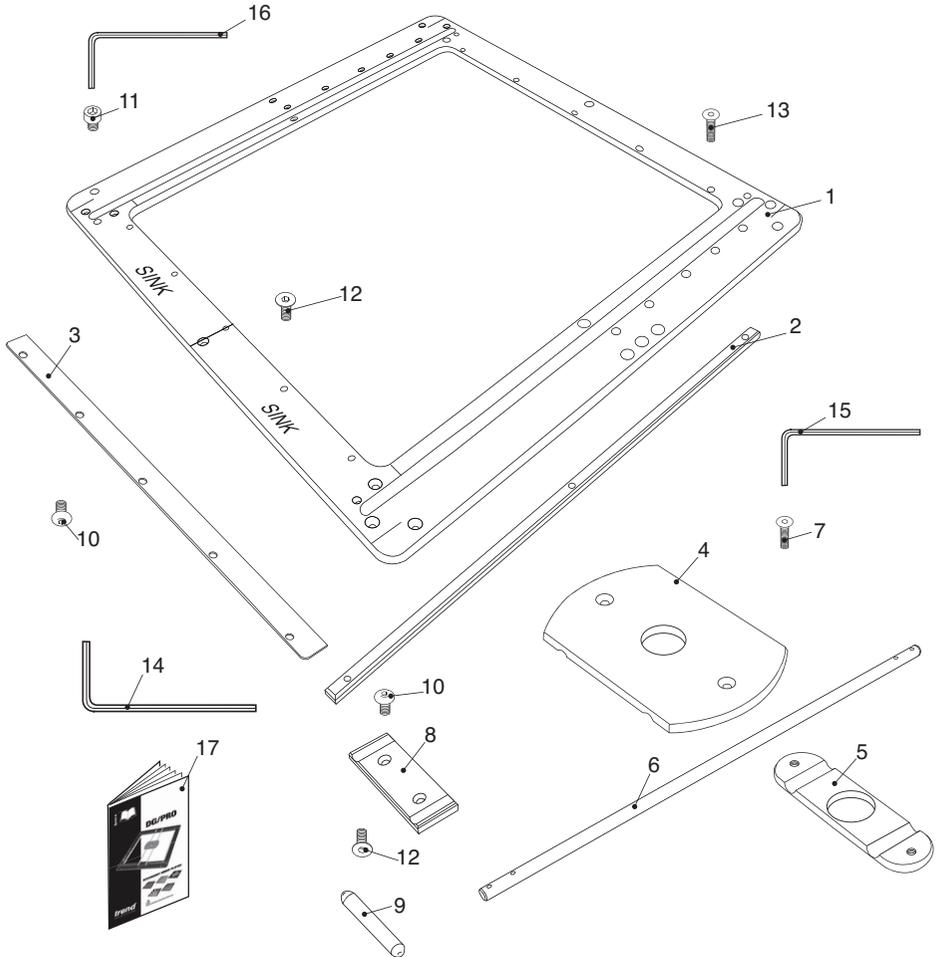
The jig carries a manufacturers guarantee in accordance with the conditions on the enclosed guarantee card.

Please use only Trend original spare parts.

DG/PRO - SPARE PARTS LIST			v1.0 03/2018
No.	Qty.	Desc.	Ref.
1	1	Jig Frame	WP-DGP/01
2	6	Rail	WP-DGP/02
3	2	Inner Plate Template Support	WP-DGP/03
4	1	Router Carriage Top Plate	WP-DGP/04
5	1	Router Carriage Locking Plate	WP-DGP/05
6	2	Router Carriage Bar	WP-DGP/06
7	2	Machine Screw Csk M6 x 16mm Skt	WP-DGP/07
8	2	Router Carriage Ski Plate	WP-DGP/08
9	2	Router Carriage Ski Bar	WP-DGP/09
10	6	Machine Screw Pan M5 x 10mm Skt	WP-DGP/10
11	6	Index Pin Stop Screw Cap M6 x 6mm Skt	WP-DGP/11
12	15	Machine Screw Csk M5 x 12mm Skt	WP-DGP/12
13	11	Machine Screw Csk M5 x 14mm Skt	WP-DGP/13
14	1	Hex Key 3mm A/F	WP-AP/03
15	1	Hex Key 4mm A/F	WP-AP/04
16	1	Hex Key 5mm A/F	WP-AP/05
17	1	Manual	MANU/DGP

DG/PRO - SPARE PARTS DIAGRAM

v1.0 03/2018



TROUBLE SHOOTING

Fault	Cause	Remedy
■ Groove depth tapers to a point at shallow end.	Cutter depth too shallow. Jig frame has lifted when clamped.	Set depth to approx. 4.5mm. Ensure clamps are positioned properly.
■ Groove depth vary between slots.	Jig frame has lifted when clamped. Jig frame not clamped correctly. Too much weight applied on router by user.	Ensure clamps are positioned correctly. Do not lean heavily on router.
■ Groove depth tapers too deep at shallow end.	Cutter depth too deep.	Replace worktop and set depth approximately 4mm.
■ Taper slot shallow at end has a slight gouge at the end of the cut when using accessory insert plate template.	Return pass in slot not carried out. Slot is 0.2mm oversize to allow for return pass.	Rout along inside edge of slot on return pass.
■ Groove gets deeper away from sink end.	Jig frame fitted wrong way round on worktop.	Replace worktop, check jig orientation and re-cut.
■ Groove too wide or too narrow.	Wrong cutter size or guide bush used.	Use correct size guide bush and cutter as shown in this manual.
■ Grooves not central to sink, or at an angle.	Jig frame not set correctly to sight centre line and to edge of worktop.	Re-set ensuring jig is central and edge of jig frame is in line with worktop edge.
■ Groove in worktop is burnt.	Cutter blunt.	Always use sharp cutters.
■ Jig frame is slipping on material.	Clamps not secure or too deep a cut being taken.	Check clamps for wear. Clamp securely. Take shallower passes. Use a sharp cutter.
■ Router carriage moves on ski bar when parallel grooving.	Router carriage screws not tightened.	Tighten router carriage screws are marked correctly.
■ Parallel grooves not correctly positioned when using router carriage & ski assembly.	Worktop not marked out correctly. Router carriage & ski assembly not positioned correctly.	Ensure worktop groove positions are marked correctly. Ensure router carriage & ski assembly is positioned correctly to marked lines.
■ Parallel grooves or shallow recess not correct size when using router carriage & ski assembly.	Pin stops not set correctly.	Set pin stops in correct holes.

MANU/DG/PRO v1.0



RECYCLABLE

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