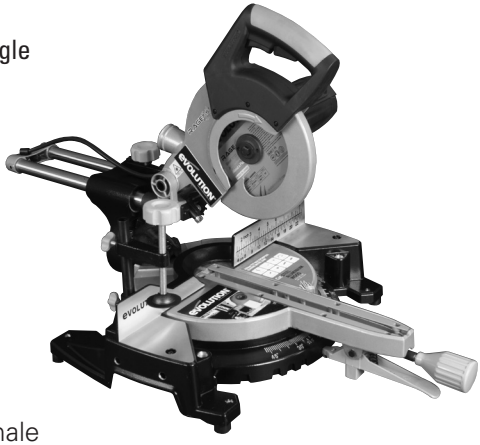
EVOLUTION®

RAGE3

210mm (8-1/4") TCT Multipurpose Single Bevel Sliding Compound Mitre Saw



Original Instruction Manual

Read instructions before operating this tool.

FR Traduction De La Notice Originale
Lisez les instructions avant d'utiliser cet outil.

DE Gebrauchsanweisung
Lesen sie, bevor sie dieses tool.

ES Manual De Instrucciones
Lea las instrucciones antes de usar esta herramienta.

IT Manuale Di Istruzioni
Leggere le istruzioni prima di utilizzare questo strumento.

ND Gebruiksaanwijzing
Lees de instructies voordat u met dit apparaat.

EL Εγχειριδιο
Διαβάστε τις οδηγίες πριν θέσετε σε λειτουργία αυτό το εργαλείο.

PT Manual De Instruções
Leia as instruções antes de utilizar esta ferramenta.

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EC - DECLARATION OF CONFORMITY GB

We, manufacturer and importer
Evolution Power Tools Ltd.
Venture One
Sheffield
S20 3FR

Declare that the product
Part numbers: RAGE3S300
Evolution: Sliding Compound Mitre Saw 210mm
Voltage: 230V~

Complies with the essential requirements of the following European Directives:
2006/42/EC – Machine Directive
2006/95/EC – Low Voltage Directive
2004/108/EC – EMC Directive
2002/95/EC – Restriction of the use of Certain Hazardous Substances in Electrical and Electric Equipment

Standards and Technical specifications referred to:-
EN55014-1 : 2006
EN55014-2 : 1997+A1+A2
EN61000-3-2:2006
EN61000-3-3 : 1995+A1+A2
EN61029-1 : 2000+A11+A12
EN61029-2-9 : 2002
EN60825-1 : 2007

All documentation is held on file at the above address and is available, on request for review.

Authorised Signatory
Date: 16/12/2010

Name: Mr Matthew J Gavins
Position: Managing Director
Year of Manufacture: 2010

CE RoHS COMPLIANT

IMPORTANT INFORMATION GB

Please read these operating and safety instructions carefully and completely. For your own safety, before using this equipment check that the voltage is correct and that all handles and parts are firmly secured. If you are uncertain about any aspect of using this equipment, please contact our Technical Help Resource.

UK **0870 609 2297**
USA **1-866-EVO-TOOL**

TCT MULTIPURPOSE MITRE SAW
Congratulations on your purchase of an Evolution Power Tools Mitre Saw. Please complete your product registration on line to validate your machine's warranty period and ensure prompt service if needed. We sincerely thank you for selecting a product from Evolution Power Tools.

12 MONTH LIMITED WARRANTY GB

Evolution power tools reserves the right to make improvements and modifications to design without prior notice.

Evolution Power Tools will, within twelve (12) months from the original date of purchase, repair or replace any goods found to be defective in materials or workmanship. This warranty is void if the tool being returned has been used to cut materials beyond the recommendations in the Instruction Manual or if the saw has been damaged by accident, neglect, or improper service. This warranty does not apply to machines and / or components which have been altered, changed, or modified in any way, or subjected to use beyond recommended capacities and specifications. Electrical components are subject to respective manufacturers' warranties. All goods returned defective shall be returned prepaid freight to Evolution Power Tools. Evolution Power Tools reserves the right to optionally repair or replace it with the same or equivalent item. There is no warranty – written or verbal – for saw blades. In no event shall Evolution Power Tools be liable for loss or damage resulting directly or indirectly from the use of our merchandise or from any other cause. Evolution Power Tools is not liable for any costs incurred on such goods or consequential damages. No officer, employee or agent of Evolution Power Tools is authorised to make oral representations of fitness or to waive any of the foregoing terms of sale and none shall be binding on Evolution Power Tools. Questions relating to this limited warranty should be directed to the company's head office, or call the appropriate Helpline number.

IMPORTANT SAFETY INSTRUCTIONS GB

To reduce the risk of electric shock, this equipment is fitted with an approved cord and plug for its intended country of use. Do not change the cord or plug in any way.

GENERAL SAFETY RULES GB

Read and understand all instructions before operating this product. Failure to follow all instructions listed below, may result in electric shock, fire and / or serious personal injury.
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

Read all these instructions before attempting to operate this product and save these instructions.
The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

WARNING
When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

Please read all of these instructions before attempting to operate this machine. Save this manual for future reference.

1. Keep work area clear. Cluttered work areas invite accidents.
2. Consider work area environment. Do not expose tools to rain. Do not use tools in damp or wet locations. Keep work area well lit. Never use tools near flammable liquids or gases.
3. Protect yourself against electric shock. Avoid body contact with earthed or grounded surfaces.
4. Keep other people away. Do not let others, especially children, come close to the work, and touch the tool or the extension lead. Keep them away from the work area.
5. Store idle tools. When not in use, tools should be stored in a dry locked-up place, out of children's reach.
6. Never force the tools. Your tools will be more efficient and safer when used at the rate for which they were intended.
7. Use the right tool. Do not force small tools to do the job of a heavy duty tool. Do not use tools for purposes not intended; for example do not use circular saws to cut tree limbs or logs.
8. Dress properly. Do not wear loose clothing or jewellery which may get caught in moving parts. Non-skid footwear is recommended when working outdoors. If you have long hair, tie it back and wear protective hair covering.
9. Use protective equipment. Use safety glasses. Use face or dust mask if cutting operations create dust.
10. Connect dust extraction equipment. If the machines have a connection for dust extraction equipment, ensure these are connected and properly used.
11. Do not damage the cable. Never pull the power cable to disconnect the machine. Keep the cable away from heat, oil and sharp edges.
12. Secure workpiece. Where possible, use clamps or a vice to hold the workpiece. It's much safer than using your hands.
13. Don't over reach. Keep proper footing and balance at all times.
14. Maintain tools in good working condition. Keep cutting tools sharp and clean for better performance and optimum safety. Follow instructions for lubricating and changing accessories. Inspect power cables regularly and, if damaged, have them replaced by an authorised service centre. Inspect extension cables regularly and replace immediately if damaged. Keep handles dry, clean and free from oil and grease at all times.
15. Disconnect tools. Disconnect tools from the power supply when not in use, before any maintenance operation and when changing accessories such as blades, bits, cutters, etc.
16. Remove adjusting keys and spanners. Get into the habit of checking that adjusting keys and spanners have been removed from the machine before turning it on.
17. Avoid unintentional starting. Ensure switch is in "off" position before plugging in the machine.
18. Use proper extension leads. When the tool is used outdoors, use only extension leads intended for outdoor use and labelled as such.
19. Stay alert. Concentrate on what you are doing, use common sense and do not operate the tool when you are tired.
20. Check that no part is damaged. Before using a tool, make sure that it is in good working order. Check the alignment and condition of moving parts, mountings and any other components that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorised service centre unless otherwise indicated in this instruction manual. Do not use the tool if the switch does not turn on and off.
21. WARNING. The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.
22. Have your tool repaired at an authorised service centre. This electric tool complies with current safety rules. Repairs should only be carried out by an authorised service centre using original spare parts. Failing this, the user could expose themselves to considerable danger.

HEALTH ADVICE GB

WARNING: When drilling, sanding, sawing or grinding, dust particles will be produced. In some instances, depending on the materials you are working with, this dust can be particularly harmful to you (e.g. lead from old gloss paint).You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure.

You should:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as dust masks that are specially designed to filter microscopic particles.

ADDITIONAL SAFETY ADVICE GB

WARNING: Be sure to read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

1. Know your power tool. Read operator's manual carefully. Learn the applications and limitations, as well as the specific potential hazards related to this tool.

2. Always wear safety glasses or eye shields when using this mitre saw. Everyday eyeglasses have only impact-resistant lenses; they are not safety glasses.

3. Always protect your lungs. Wear a face mask or dust mask if the operation is dusty.

4. Always protect your hearing. Wear hearing protection during extended periods of operation.

5. Inspect the machines power cord regularly and if damaged have it repaired or replaced. Always be aware of the cords location.

6. Always check for damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine if it will operate properly and perform its intended function. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. A guard or other part that is damaged should be properly repaired or replaced at a qualified service centre. Keep guards in place and in working order.

7. Do not abuse the cord. Never use the cord to carry the tool or pull the plug from the outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

8. Always make sure that your extension cord is in good condition. When using an extension cord be sure to use one that is heavy enough to carry the current that your tool will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating.

9. Do not use the tool while tired or under the influence of drugs, alcohol or any medication. Following this instruction will reduce the risk of electric shock, fire or serious personal injury.

10. Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If someone borrows this tool, make sure they have these instructions also.

11. When the correct blade to cut the material has been fitted, this saw is recommended for cutting mild steel, aluminium and non-ferrous metals, wood, and plastic only.

12. Do not use saw blades with High Speed Steel (HSS) or blades that are damaged or deformed.

13. Replace the table insert when worn.

14. Use only saw blades recommended by the manufacturer and which are the exact bore and diameter required for this machine and conform to EN 847-1.

15. Connect your mitre saw to a dust collecting device (I.D.Ø32mm) when sawing material likely to cause dust.

16. Select saw blades in relation to the material to be cut. Use only genuine Evolution or Evolution recommended accessories.

17. Check the maximum depth of cut.

18. When sawing long work pieces, always use extra support to provide better support, and use clamps or other clamping devices. To reduce the risk of injury, return the slide carriage to the full rear position after each crosscut operation.

19. The operator is adequately trained in the use adjustment and operation and operation of the machine.

20. Provide for adequate room lighting at your workplace or for adequate lighting of the immediate work area.

21. When fitted with a laser no exchange with a different type of laser is permissible. Repairs shall only be carried out by the laser manufacturer or an authorised agent.

22. Refrain from removing any cut-offs or other parts of the workpiece from the cutting area whilst the machine is running and the saw head is not in the rest position. Never reach around the saw blade. Turn off tool and wait for saw blade to stop before moving workpiece or changing settings.

23. Never stand on this tool. Serious injuries could occur when this tool tips over or when coming in contact with the saw blade.

24. Reduce the risk of unintentional starting. Make sure switch is in off position before plugging in.

WARNING: the operation of any mitre saw 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 goggles or safety glasses with side shield and a full face shield when needed.

WARNING: If any parts are missing, do not operate your mitre saw until the missing parts are replaced. Failure to follow this rule could result in serious personal injury.

CARRYING YOUR MITRE SAW

1. Although compact, this saw is heavy. To reduce the risk of back injury, get competent help whenever you have to lift the saw.
2. To reduce the risk of back injury, hold the tool close to your body when lifting. Bending your knees so you can lift with your legs, not your back. Lift by using the handhold areas at each side of the machines base.
3. Never carry the mitre saw by the power cord or the trigger grip of the handle. Carrying the tool by the power cord could cause damage to the insulation or the wire connections resulting in electric shock or fire.
4. Before moving the saw tighten the slide lock knob to guard against sudden movement.

WARNING: Do not use the blade guard as a 'lifting point'.

The power cord must be removed from the power supply before attempting to move the machine.

- Lock down the head using the head locking pin.
- Move the cutting head to its outermost position and lock in place by tightening the slide lock knob.
- Loosen the mitre angle lock knob. Pull up the mitre angle lever and rotate the table to either of its maximum settings.
- Lock the table in position using the locking knob.
- Use the two carry handle cut-outs machined into either side of the machine base, to transport the machine.

Place the saw on a secure stationary work surface and check the saw over carefully. Check particularly the operation of all the machines safety features before attempting to operate the machine.

LABELS & SYMBOLS GB

WARNING: Do not operate machine if warning and / or instruction labels are missing or damaged. Contact Evolution Power Tools for replacement labels.

Symbol	Description
V	Volts
A	Amperes
Hz	Hertz
Min^{-1}	Speed
~	Alternating Current
n_O	No Load Speed
	Double Insulated
	Wear Safety Goggles
	Wear Ear Protection

Only use genuine Evolution replacement blades. Unauthorized blades may be dangerous! Keep saw blades securely fastened. Check blade flanges for debris before installing any new blade. Do not use dull or broken blades. Check blades often for condition and wear. Damaged or worn blades should be replaced immediately. Check chip collector cover for proper fit to minimize the risk of flying debris. Loose fitting or damaged collector must be replaced immediately. Beware of ejecting chips as they may be HOT. Always make provisions for safe handling of excess material. Keep bottom of base plate free from dirt and other debris.

To obtain an additional copy of your manual, please contact Evolution Power Tools at :

UK 0870 609 2297
USA 1-866-EVO-TOOL
WEB www.evolutionpowertools.com

RAGE3S300 SPECIFICATIONS GB

Designed to cut:
Mild Steel Plate - **Max Thickness 6mm**

Motor (230V ~ 50Hz) (Watts) 1500W

RPM No Load (min-1) 3000
Recommended Maximum Duty Cycle 30 minutes
Weight 19.6Kg

Blade Dimensions
Diameter (10") 255mm
Bore Diameter (1") 25.4mm
Thickness 2mm

Maximum Cutting Capacity			
Mitre	**Bevel**	**Max Width of Cut**	**Max Depth of Cut**
90˚	90˚	300mm (11.81")	60mm (2.36")
45˚L / 45˚ R	45˚	210mm (8.26")	35mm (1.37")
45˚L / 45˚ R	90˚	210mm (8.26")	35mm (1.37")
90˚	45˚	300mm (11.81")	60mm (2.36")

Noise and Vibration Data

Sound Pressure Level (Under Load) LPA:
95db(A) K=3dB(A)
Sound power level (Under Load) LWA:
108db(A) K=3dB(A)
Vibration level (Under Load):
3.236m/s^2 K=1.5m/s^2

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.
The declared vibration total value may also be used in a preliminary assessment of exposure.

WARNING: The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used. The need to identify safety measures and to protect the operator are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle, such as the times the tool is switched off, when it is running idle, in addition to trigger time).

ADDITIONAL ACCESSORIES
In addition to the standard accessories supplied with this machine, other accessories are available to improve its performance, these include the following items:

1. Clamping System – the design of this machine allows for the use of one or two hold down clamps (please note that one hold down clamp is provided with the machine). Extra clamps are available as optional accessories.

2. Diamond Blade – Convert this machine to a 'Tile Cutter'. By replacing the standard TCT Blade with the optional Diamond Blade, this machine becomes a tile cutter – suitable for most ceramic / porcelain tiles.

Additional accessories can be obtained by contacting your local dealer (or Evolution Power Tools).

ASSEMBLY GB

Your Evolution Power Tools product is shipped complete. Remove all contents from the box and inspect to ensure no damage was incurred during shipping, and that the items listed below are included.

Description	Quantity
Instruction Manual	1
Spanner (blade change)	1
Hold Down Clamp	1
Multipurpose Blade	1
Support Bars	2
End Stop	1
Front Clamp	1

GETTING STARTED GB

CAUTION! ALWAYS DISCONNECT THE SAW FROM POWER SOURCE BEFORE MAKING ADJUSTMENTS.

Refer to the "Service Parts Diagram". Install a blade as detailed in the "Installing or Removing the Blade" section.

1. MOUNTING THE MITRE SAW

WARNING: To reduce the risk of injury from unexpected saw movement, place the saw in the desired location either on a workbench or other suitable machine stand.

The base of the saw has four mounting holes through which suitable bolts can be placed to secure the mitre saw. If the saw is to be used in one location, permanently fasten it to the workbench using appropriate fastenings. Locking washers and nuts should be used on the underside of the workbench.

1. Tighten the slide, mitre and bevel locks.
2. Position the saw so other people cannot stand behind it. Thrown debris could injure people in its path.
3. Place the saw on a firm, level surface where there is plenty of room for handling and properly supporting the workpiece.
4. Support the saw so that the table is level and the saw does not rock.
5. Bolt or clamp the saw to its support.

2. INSTALLING OR REMOVING A BLADE

WARNING: Only use genuine Evolution blades which are designed for this machine. Ensure that the maximum speed of the blade is compatible with the machine.

Note: It is recommended that the operator considers wearing protective gloves when handling the blade during installation or when changing the machines blade.
1. Ensure cutting head is up.
2. Remove the guard operating arm retaining clip. **(Fig. 1)** Release the guard operating arm from its pivot.
3. Press safety lock button in and lift up the lower blade guard. **(Fig. 2)**
4. Press the black lock button to lock the arbor. **(Fig. 3)**
5. Using the supplied spanner, release the arbor screw and remove the outer blade flange and the sawblade. **(Fig. 4)**
6. Install the new 255 mm (10") saw blade. Make sure the rotation arrow on the blade matches the clockwise rotation arrow on the upper guard. The blade teeth should always point downward at the front of the saw.
7. Install the outer blade flange and arbor screw.
8. Lock the arbor.
9. Tighten arbor screw using moderate force, but do not overtighten.
10. Replace the guard operating arm and its retaining clip. **(Fig. 1)**
11. Ensure the spanner is removed and the arbor lock has released before operating the machine.
12. Ensure the blade guard is fully functional before starting a cut.

Note: Spacers and spindle rings should not be used with this machine and/or blade.

3. DUST BAG

To reduce build up of saw dust and maintain the efficiency of cutting, this saw can be connected to a workshop vacuum cleaner via the dust extraction port.
A dust bag can be fitted onto your mitre saw. To install it simply fit the dust bag over the extraction port on the upper blade guard. To empty the dust bag, remove from the dust extraction port, open the dust bag by unzipping the slide fastener.

Note: To ensure optimal dust collection, empty the dust bag when it becomes approximately 75% full.

WARNING: Before cutting metal materials, the dust collection bag should be removed and replaced with a blanking plug.

4. FITTING THE REPEAT STOP

1. Loosen the repeat stop thumb screws sufficiently to allow the arms of the workpiece support to slide through the holes in the repeat stop.
2. Tighten the thumb screws firmly to minimize movement on the workpiece support. Position the repeat stop approximately half way along the workpiece support.
3. Attach the workpiece support to the machine base as detailed below.

Note: By loosening the thumb screws the repeat stop can be adjusted to the required distance from the saw blade for repetitive cutting operations etc. The repeat stop can be fitted at either side of the table, but normally it will be positioned to the RH side of the blade.

5. FITTING THE WORKPIECE SUPPORTS (Fig.5)

Workpiece supports can be fitted to both sides of the machine base if required.
1. Right Hand side. Loosen the support retaining screw located in the top front of the machines base.
2. Insert the workpiece supports into the retaining holes in the base. Ensure positive location.
Note: Approximately 70mm of the Workpiece Support

should slide into the base to provide positive location.

3. Tighten the retaining screw.
4. Repeat above for the LH side.

6. HOLD DOWN CLAMP (Fig. 6)

1. Hold down clamps can be fitted on either side of the saw and are fully adjustable to suit the size of the workpiece.
2. Do not operate the saw without clamping the workpiece.
3. Make sure that the hold down clamp securing screws are tightened.
4. WARNING: Always check clamp position does not interfere with any saw operation. Before switching on, lower the saw head to ensure the clamp clears the guard and saw head assembly.

7. FRONT CLAMP

A Front Clamp can be fitted into the RH or LH sockets incorporated into the front of the machines base.

1. Fit the clamp to the socket which best suits the cutting application.
2. Adjust the clamp so that it securely holds the workpiece.
3. Check that the clamp does not interfere with any saw operation.

Note: Using a Hold Down Clamp and Front Clamp in combination will usually provide the best solution to securing the workpiece on the machine.

8. LASER GUIDE

This saw is equipped with a laser cutting guide. This allows the operator to preview the path of the blade through the workpiece. The ON/OFF switch for the Laser Guide is positioned on top of the motor housing. **(Fig 7)**

Avoid direct eye contact, and do not use on material that could reflect the laser beam.

WARNING: Do not stare directly at the laser beam. A hazard may exist if you deliberately stare into the beam, please observe all safety rules as follows.

• The laser beam shall not be deliberately aimed at personnel and shall be prevented from being directed towards the eyes of a person.
• Always ensure the laser beam is only aimed at workpieces without reflective surfaces, i.e. wood or rough coated surfaces are acceptable.
• Do not change the laser module assembly with a different type.
• Repairs to the laser module must only be conducted by Evolution Power Tools or their authorised agent.

9. DEPTH STOP (Fig. 8)

Use of the depth stop allows the operator to cut slots in the workpiece. The downward travel of the saw head can be set so that the saw blade does not completely cut through the workpiece.
Note: It is advisable that the depth of cut is checked using a scrap piece of timber to ensure that the slot cut is correct. By making a cut in the workpiece, and then repeating the cut but with the workpiece slightly repositioned to the left or right, it is possible to perform trenching cuts.

To use the depth stop feature follow these steps:
1. Loosen the wing nut.
2. Adjust the thumb knob to the required depth.
3. Once set to the desired depth, tighten the wing nut against the retaining bracket to lock the depth stop and ensure that there is no movement.

OPERATING INSTRUCTIONS GB

Caution: The Mitre Saw should be inspected (particularly for the correct functioning of the safety guards) before each use. Do not connect the saw to the power supply until a safety inspection has been carried out.
Ensure that the operator is adequately trained in the use, adjustment and maintenance of the machine, before connecting to the power supply and operating the saw.

WARNING: To reduce the risk of injury, always unplug the saw before changing or adjusting any of the machines parts. Compare the direction of the rotation arrow on the guard to the direction arrow on the blade. The blade teeth should always point downward at the front of the saw. Check the tightness of the arbor screw.

1. PREPARING TO MAKE A CUT

Caution: NEVER pull the saw toward you during a cut. The blade can suddenly climb up on top of the workpiece and force itself toward you.

• Avoid awkward operations & hand positions where a sudden slip could cause fingers or hand to move into the blade.
• Cut only one workpiece at a time.
• Clear everything except the workpiece and related support devices away from the blade before turning the mitre saw on.
• Position the workpiece using clamp(s) to hold securely in the required position.

2. RELEASING THE SAW HEAD

a) Gently press down on the cutting handle.
b) Pull out the head latching pin and allow the head to rise to its upper position.

Note: We recommend that when the machine is not in use the cutting head is locked in its down position, and the latching pin fully engaged in its socket.

3. BODY AND HAND POSITION

1. Never place hands near the cutting area and keep hands away from the path of blade.
2. Hold the workpiece firmly to the fence to prevent movement toward the blade. Use a clamp if necessary but check that it is positioned so that it does not foul the blade.
3. Before making a cut. Make a dry run with the power off so you can see the path of the blade.
4. Keep hands in position until the ON/OFF trigger has been released and the blade has completely stopped.

4. SLIDE CUTTING

This saw is equipped with a sliding carriage system.
Loosening the slide lock knob will release the slide and allow the cutting head to move forwards and backwards.

The saw blade is lowered into the workpiece and then pushed to the rear of the saw to complete the cut. This type of cut can be used for cutting wide pieces.

Caution: Never pull the cutting head and spinning blade towards you when making a sliding cut. The blade may try to climb up on top of the workpiece, causing the cutting head to kick back, forcefully. The cutting head should always be drawn back completely before attempting to make a cut. When the cutting head is in position the saw can be switched on and the cutting head lowered and pushed forwards to make a cut.

1. Position the workpiece against fence and secure with clamps as appropriate.
2. Loosen the slide lock knob.
3. Grasp the saw handle and pull the carriage until the arbor (centre of saw blade) is over the front edge of the workpiece.
4. Press the lower guard unlock trigger for saw head release.
5. Switch on the saw and allow the saw to reach full speed.
6. Push the saw handle all the way down and cut through the leading edge of the workpiece.
7. Gently push the saw handle towards the fence completing the cut.
8. Push the cutting head to full rear position after each cut.
9. Release the trigger to switch off the saw and allow blade to come to a complete stop before moving hands or removing the workpiece.

5. CHOP CUTTING

The sliding carriage should be locked in the rearmost position. The cutting head is gently pushed down to cut through the workpiece. This type of cut is used mainly for narrow section pieces.

1. Slide the cutting head to the rear as far as it will go.
2. Lock slide lock knob.
3. Place the workpiece on table and against fence and secure with clamps as appropriate.
4. Grasp the saw handle.
5. Turn on saw and allow the saw to reach full speed.
6. Press the lower guard unlock lever for saw head release.
7. Push the saw handle down and cut through the workpiece.
8. After cut is complete turn off saw, allow the blade to come to a complete stop before removing your hands or the workpiece.

WARNING: For your convenience this saw has a blade brake. This blade brake is an additional safety feature and not a substitute for the guard(s) on your saw.

6. MITRE CUTTING (Fig. 9)

The machines rotary table can be turned through 45˚ left or right from the normal cross-cut (0˚ position) to make a mitre cut. This mitre saw is also equipped with mitre indents for fast and accurate setting of common mitre angles (Left and Right 45˚, 30˚, 22.5˚, 15˚). Mitre cutting is possible with or without the sliding carriage system being deployed.

1. Loosen the mitre lock handle by turning it anti-clockwise.
2. Pull up the mitre angle set lever.
3. Turn the rotary table to the desired angle. A mitre angle protractor scale is incorporated into the machines base to aid setting.
4. Tighten the mitre lock handle when the required angle has been achieved.
5. Allow the saw to reach full operating speed before making a cut.

7. BEVEL CUTTING USING THE HEAD TILT

A bevel cut is made with the rotary table set at 0˚ mitre. The cutting head of the saw can be moved from the normal 0˚ (perpendicular position) to a maximum angled position of 45˚ from the perpendicular, on the left hand side only. Bevel cutting is possible with or without the sliding carriage system being deployed.

To tilt to the left:
1. Loosen the bevel lock.
2. Tilt the cutting head to the required angle. A protractor scale is provided as an aid to setting. **(Fig. 10)**
3. Tighten the bevel lock when the desired angle has been

achieved.

Stand to the left side of the handle to make the cut.
When cutting is completed:
• Return the cutting head to the perpendicular position.
• Tighten the bevel lock lever.

8. COMPOUND CUTTING

A compound cut is a combination of a mitre and bevel cut. When a compound cut is required, select the desired bevel and mitre positions as previously explained.

Compound cutting with the sliding carriage system deployed is possible. Always check that the sliding blade does not 'foul' the machines fence or any other part of the machine.

9. CUTTING BOWED MATERIAL (Figs. 11 & 12)

Before cutting any workpiece, check to see if it is bowed. If it is bowed the workpiece must be positioned and cut as shown. Do not position the workpiece incorrectly or cut the workpiece without the support of the fence.

10. CLEARING JAMMED MATERIAL

1. Turn mitre saw "OFF" by releasing the trigger switch.
2. Allow the blade to come to a complete halt.
3. Unplug the mitre saw from the mains supply.
4. Remove any jammed material from the unit.

11. SUPPORTNG LONG WORKPIECES

The free end of a long workpiece should be supported at the same height as the machine table. The operator should consider using a remote workpiece support in addition to the table extension rods if thought necessary.

MAINTENANCE GB

Note: Any maintenance must be carried out with the machine switched off and disconnected from the mains/ battery power supply.

Check that all safety features and guards operating correctly on a regular basis. Only use this machine if all guards/safety features are fully operational.

All motor bearings in this machine are lubricated for life. No further lubrication is required.

Use a clean, slightly damp cloth to clean the plastic parts of the machine. Do not use solvents or similar products which could damage the plastic parts.

WARNING: Do not attempt to clean by inserting pointed objects through openings in the machines casings etc. The machines air vents should be cleaned using compressed dry air.

Excessive sparking may indicate the presence of dirt in the motor or worn out carbon brushes. If this is suspected have the machine serviced and the brushes replaced at an authorized service centre.

ENVIRONMENTAL PROTECTION GB

with your Local Authority or retailer for recycling advice.

PLUG REPLACEMENT GB

Check the voltage given on your power tool matches the supply voltage.

The power tool is supplied with a fitted plug, however if you should need to fit a new plug follows the instruction below.

IMPORTANT
The wire in the mains lead are coloured in accordance with the following code:

Blue ---Neutral Brown ---Live

The wire that is coloured blue must be connected to the terminal that is marked with the letter N. The wire that is coloured brown must be connected to the terminal that is marked with the letter L.

A **13AMP (BS1363 or BS1363/A)** plug must be used and a 13 AMP fuse must be fitted.

FIG 1

FIG 2

FIG 3

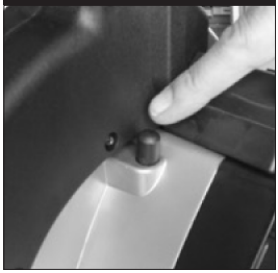

FIG 4

FIG 5

FIG 6

FIG 7

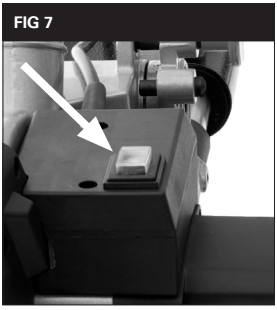

FIG 8

FIG 9

FIG 10

FIG 11

FIG 12