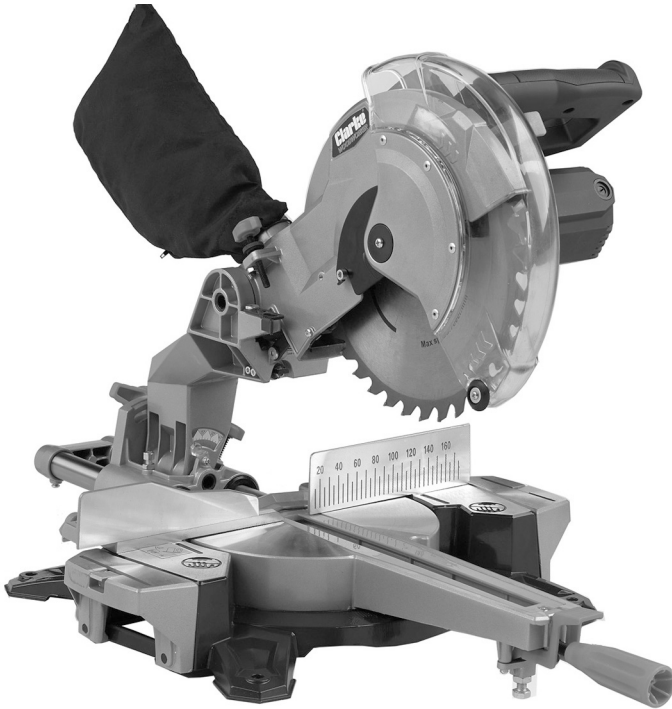


CLAMPBRO®



SLIDING MITRE SAW MODEL NO: CMS250S

PART NO: 6461530

OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

GC0219 ISS 2

INTRODUCTION

Thank you for purchasing this CLARKE Mitre Saw.

Before attempting to operate the machine, it is essential that you read this manual thoroughly and carefully follow all instructions given. In doing so you will ensure the safety of yourself and that of others around you, and you can also look forward to the product giving you long and satisfactory service.

GUARANTEE

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

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

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

This guarantee does not effect your statutory rights.

ENVIRONMENTAL PROTECTION



Recycle unwanted materials instead of disposing of them as waste. All unwanted accessories and packaging should be sorted and taken to a recycling centre for disposal in a manner which is compatible with the environment.

Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

SAFETY WARNINGS

WORK AREA

1. **Keep the work area clean and well lit.** Cluttered and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce the risk of electric shock.
2. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
3. **Do not abuse the cable. Never use the cable for carrying, pulling or unplugging the power tool. Keep the cable away from heat, oil, sharp edges or moving parts.** Damaged or entangled cables increase the risk of electric shock.
4. **When operating a power tool outdoors, use an extension cable suitable for outdoor use.** Use of a cable suitable for outdoor use reduces the risk of electric shock.
5. **If operating the power tool in a damp location is unavoidable.** Use a residual current device (RCD) protected supply.

PERSONAL SAFETY

1. **Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in personal injury.
2. **Use safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. **Avoid accidental starting.** Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.

4. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
5. **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. **Dress properly.** Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
7. **A laser beam can cause serious eye injury.** Never look into the laser outlet.

POWER TOOL USE AND CARE

1. **Do not force the power tool.** Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate which it was designed.
2. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. **Disconnect the plug from the power supply before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. **Store idle tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
5. **Maintain power tools.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. **Keep cutting tools sharp and clean.** Tools with sharp cutting edges are less likely to bind and are easier to control.
7. **Use the power tool and accessories in accordance with these instructions and in the manner intended, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended use could result in a hazardous situation.

ADDITIONAL SAFETY RULES FOR MITRE SAWS

1. Make sure all locking knobs and clamp handles are tight before starting any task.

2. Do not operate the saw without the guard in position, if the guard does not function correctly or is not maintained properly.
3. Never use your saw without the kerf plate.
4. Never place either hand in the blade area when the saw is connected to the electrical power source.
5. Never attempt to stop a saw in motion rapidly by jamming a tool or other item against the blade. Serious accidents can be caused unintentionally in this way.
6. Before using any accessory consult the instruction manual. The improper use of an accessory can cause damage.
7. Observe the maximum speed marked on the saw blade.
8. Always wear gloves when handling a saw blade.
9. Do not use blades of larger or smaller diameter than recommended. For the proper blade rating refer to the technical data. Use only the blades specified in the specifications section of this manual.
10. Do not use cracked or damaged saw blades.
11. Do not use any abrasive discs.
12. Raise the blade from the kerf in the workpiece prior to releasing the switch.
13. Ensure that the arm is securely fixed when performing bevel cuts.
14. The blade guard on your saw will automatically raise when the arm is brought down; it will lower over the blade when the arm is raised. The guard can be raised by hand when installing or removing saw blades or for inspection of the saw. Never raise the blade guard manually unless the saw is switched off.
15. Keep the surrounding area of the saw well maintained and free of loose materials, e.g. chips and cut-offs.
16. Before use, check that the motor air slots are clean and free of chips.
17. Replace the kerf plate when worn.
18. Disconnect the saw from the mains before carrying out any maintenance work or when changing the blade.
19. Never perform any cleaning or maintenance work when the saw is still running and the head is not in the rest position.
20. When possible, always mount the saw on to a bench or plywood base which is then clamped to a bench, or mount the machine to a purpose built mitre saw stand available from your local Clarke dealer.

SAFETY SYMBOLS



Wear eye protection



Wear ear defenders



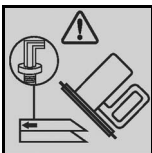
Do not put your hand near the blade



Read instruction manual before use



Laser Radiation, Class 2 Laser: Do not stare into the beam.



Take care not to damage the fence when using different mitre angles.

ELECTRICAL CONNECTIONS



WARNING! READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE PRODUCT TO THE MAINS SUPPLY.

Before switching the product on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This product is designed to operate on 230 V AC 50Hz. Connecting it to any other power source may cause damage.

This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted, following the wiring instructions shown below. The old plug must be disposed of safely, as insertion into a mains socket could cause an electrical hazard.

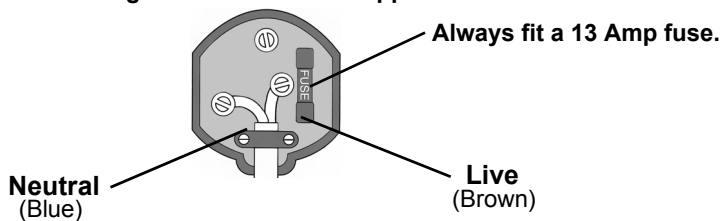


**WARNING! THE WIRES IN THE POWER CABLE OF THIS PRODUCT ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:
Blue = Neutral Brown = Live**

If the colours of the wires in the power cable of this product do not correspond with the markings on the terminals of your plug, proceed as follows.

- The wire which is coloured **Blue** must be connected to the terminal which is marked **N**.
- The wire which is coloured **Brown** must be connected to the terminal which is marked **L**.

Plug must be BS1363/A approved.



Ensure that the outer sheath of the cable is firmly held by the clamp

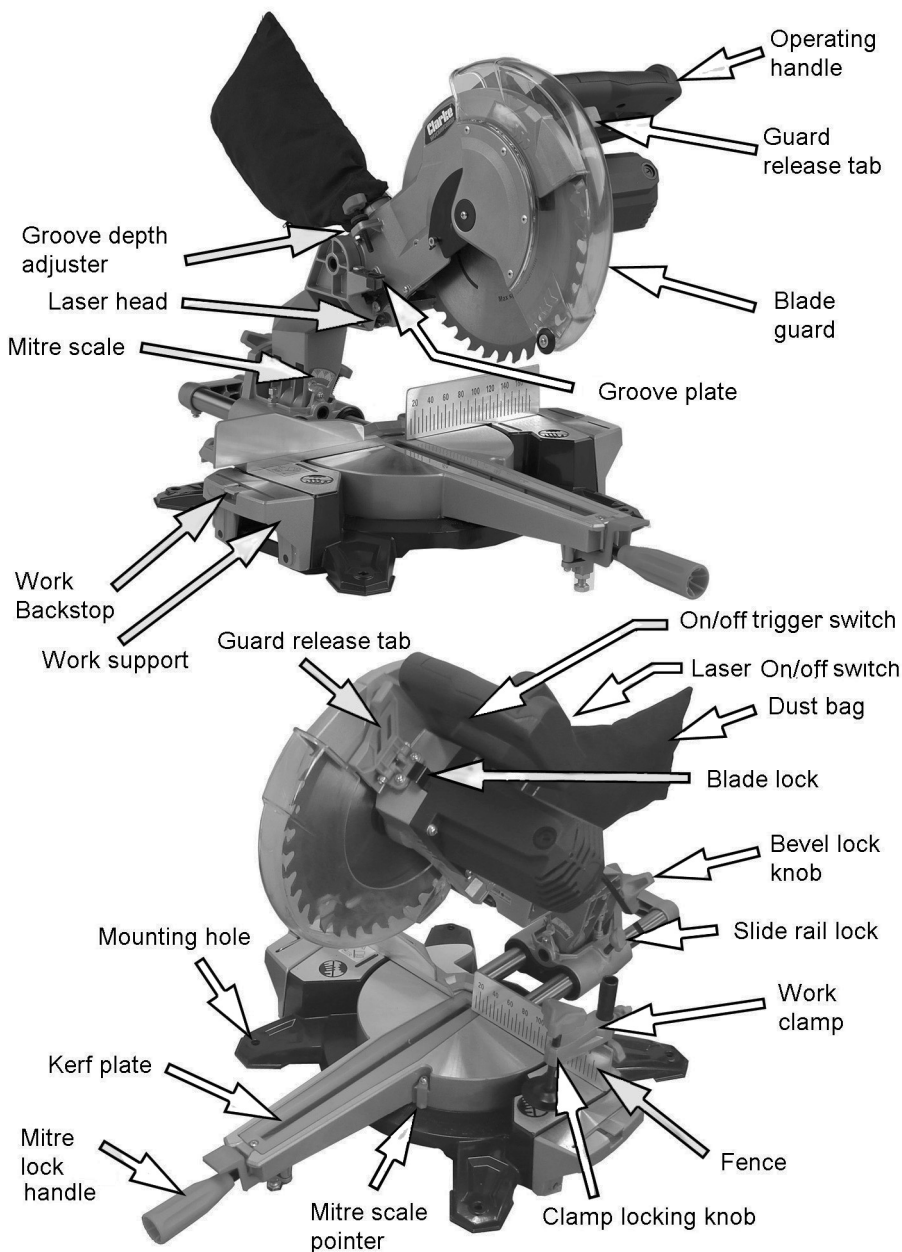
We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD).

If in any doubt, consult a qualified electrician. **DO NOT** attempt any repairs yourself.



This symbol indicates that this is a class II product and does not require an earth connection.

OVERVIEW



BEFORE USE

1. Remove the saw from the packaging carefully.
 - The following items should be supplied. If anything is missing contact your dealer.

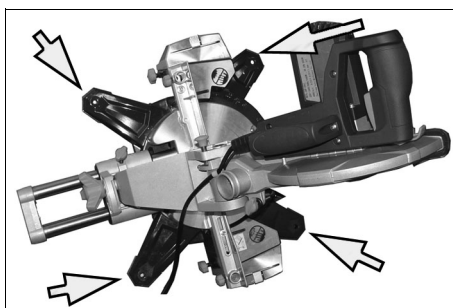
Cross-Cut Mitre Saw with Laser Guide	1 x Dust Collection Bag
1 x Work Clamp	2 x Hexagon Keys (4 mm & 6 mm)
250 mm Diameter 36 Tooth TCT Wood Cutting Blade (fitted)	

BENCH MOUNTING

Holes are provided in all four feet to facilitate bench mounting.

- Always mount your saw firmly on a level surface to prevent movement.

The saw can also be mounted to a piece of 12.5 mm or thicker plywood which can then be clamped to your work bench or moved to other work sites and re-clamped when required.



- When mounting your saw to a piece of plywood, make sure that the mounting screws do not protrude from the bottom of the wood.
- If the saw rocks on the surface, place a thin piece of material under one saw foot until the saw is firm on the mounting surface.

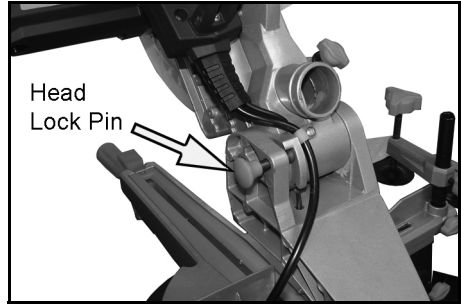
MITRE SAW STAND (NOT SUPPLIED)

You can also mount the mitre saw on a purpose built stand available from your Clarke dealer.



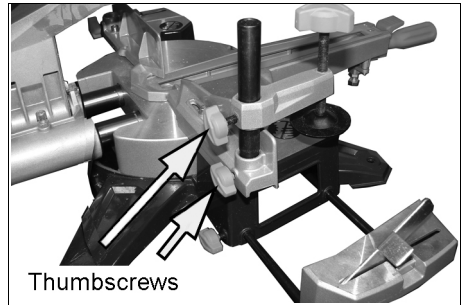
LOCKING / RELEASING THE SAW HEAD

1. Press down slightly on the operating handle.
 - Pull out the head lock pin to release the arm for cutting.
 - Push the pin back in to secure the arm for lifting.
2. Gently release the downward pressure on the operating handle and allow the head to rise to its full height.



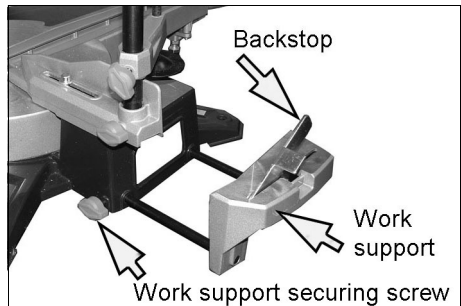
FITTING THE WORK CLAMP

1. Loosen the clamp support thumbscrew.
2. Slide the work clamp post into one of the clamp supports on either side of the saw.
3. Adjust the clamp to suit the workpiece.
4. Tighten the thumbscrew to secure the work clamp.



SETTING THE WORK SUPPORTS

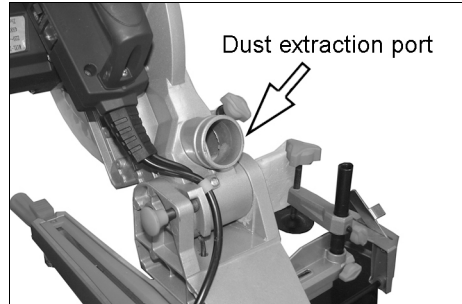
1. Loosen the work support securing screw.
2. Extend the work supports as required.
3. Secure them in place by tightening the work support securing screw.
4. The work support incorporates a hinged backstop which can be raised if required.



DUST EXTRACTION

This machine is provided with a dust extraction port for connection to a dust bag (supplied).

1. Place the dust bag over the dust extraction port using the clip on the neck of the dust bag.
2. Make sure the zipper on the dust bag is closed.
3. The dust extraction port may alternatively be connected to a suitable extraction system using the appropriate hose (not supplied).
 - The hose must have an inside diameter of 40 mm.



ADJUSTMENTS



WARNING: MAKE SURE THAT THE SAW IS SWITCHED OFF AND UNPLUGGED FROM THE MAINS SUPPLY BEFORE PERFORMING ANY ADJUSTMENTS.

CHECK AND ADJUST THE MITRE POINTER

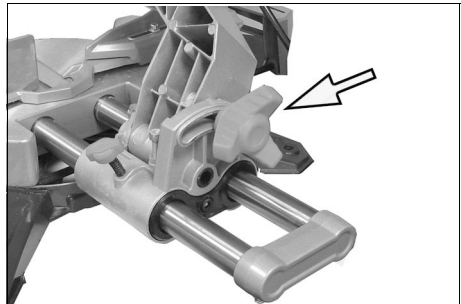
The saw can be set in a number of positions as determined by the mitre locking mechanism but the pointer should read zero when making straight cuts and remain true for other angles selected.

1. If the pointer does not indicate zero on the mitre scale, loosen the pointer securing screw and adjust it as necessary.



CHECK AND ADJUST THE 90 DEGREE ANGLE STOP

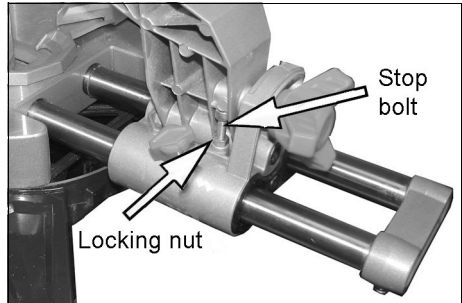
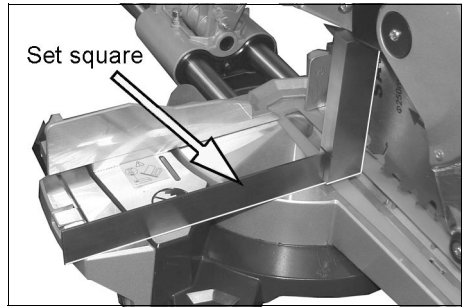
1. Loosen the bevel clamp handle.
2. Press the saw head to the right to ensure it is fully vertical and tighten the bevel clamp handle.
3. Pull down the head until the blade just enters the kerf plate.



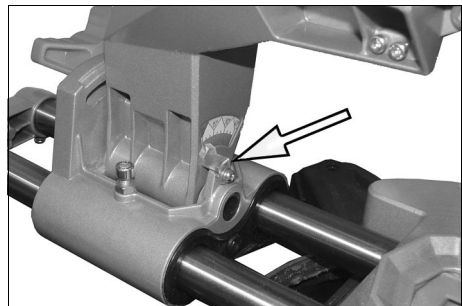
- Place a set square on the table and up against the blade.
 - Do not touch the extended tips of the blade teeth with the square. Lower the blade so as to present as much blade surface as possible to the set square.

If adjustment is required, proceed as follows:

- Release the locking nut and use the hex key to turn the 90° adjustment stop bolt in or out until the blade is at 90° to the table as shown by the set square.



- If the bevel pointer does not indicate zero on the bevel scale, loosen the set screw that secures the pointer and adjust the pointer as necessary.

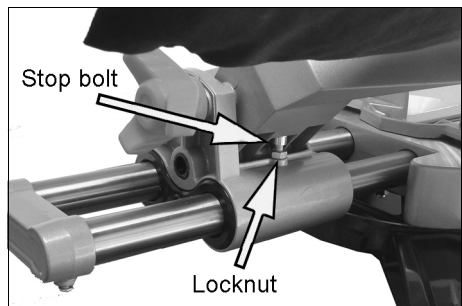


CHECK & ADJUST THE 45 DEGREE STOP

- Loosen the bevel clamp handle and lean the saw head as far to the side as possible (i.e. at 45°).
- Place a 45° set square on the table and up against the blade.

NOTE: Do not touch the tips of the blade teeth with the square.

- Loosen the locknut and turn the 45° adjustment stop bolt in or out until the blade is at 45° to the table as verified with the square.
- Adjust the bevel pointer if required as shown previously.



OPERATION

Always observe the safety instructions and applicable regulations.

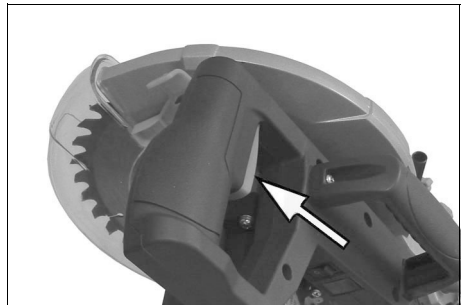
BODY AND HAND POSITION

Proper positioning of your body and hands when operating the saw will make cutting easier and safer.

- Never place your hands near the cutting area or blade.
- Hold the workpiece tightly to the table and the fence when cutting.
- Keep your hands in position until the trigger switch has been released and the blade has completely stopped.
- Always make dry runs (without power) before cutting so that you can check the path of the blade.
- Do not cross your hands.

SWITCHING ON AND OFF

1. To start the saw, squeeze the trigger switch.
- Allow the motor to reach full speed before cutting.
2. To stop the saw, release the trigger switch.



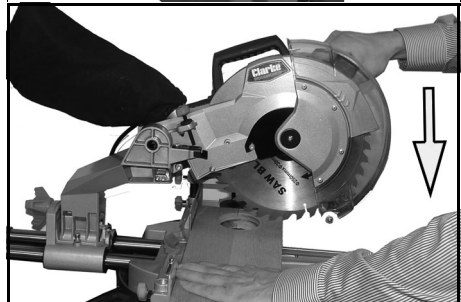
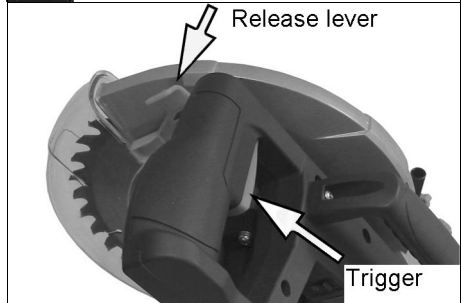
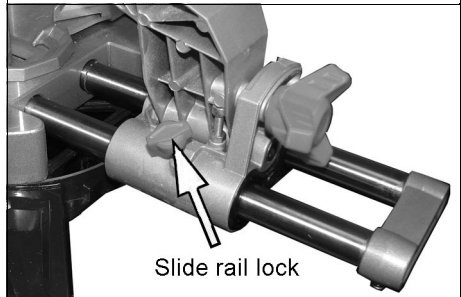
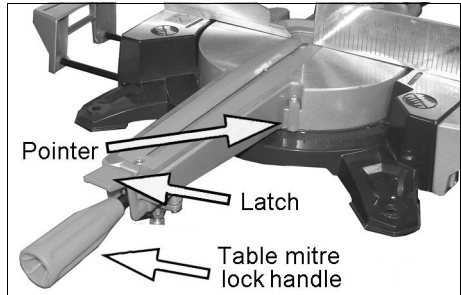
WARNING: THE BLADE WILL CONTINUE TO ROTATE AFTER THE SWITCH HAS BEEN RELEASED.

NOTE: Before beginning any cuts, ensure that the fence assembly is positioned centrally and will not be struck by the saw blade.

DIFFERENT SAW CUTS

VERTICAL STRAIGHT CROSS CUT

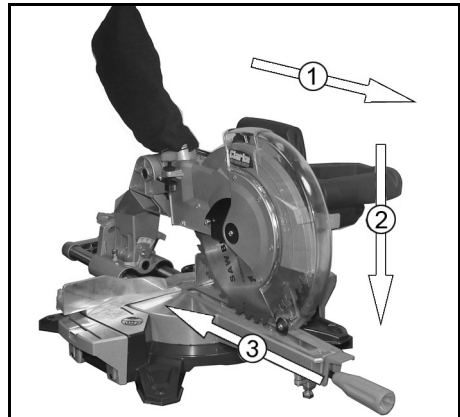
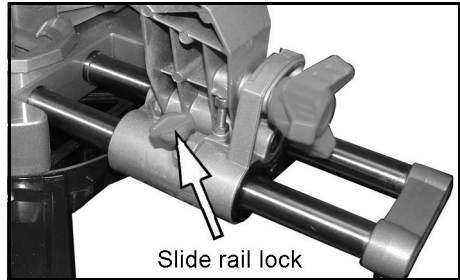
1. Release the table mitre lock by twisting the handle anticlockwise.
2. Press and hold the latch down.
3. Move the arm so that the pointer lines up with the 0° position on the scale.
4. Release the latch to re-secure the mitre lock.
5. Release the slide rail lock, and push the saw head back to the rear position.
6. Retighten the slide rail lock.
7. Place the wood to be cut against the fence.
8. Take hold of the operating handle and press and hold the blade guard release lever to release the head.
9. Squeeze the trigger switch to start the saw.
10. Lower the head, allowing the blade to cut through the timber and enter the kerf plate.
 - Allow the blade to cut freely. Do not force the tool.
11. After completing the cut, release the trigger and return the head to its upper rest position.



PERFORMING A SLIDING CUT

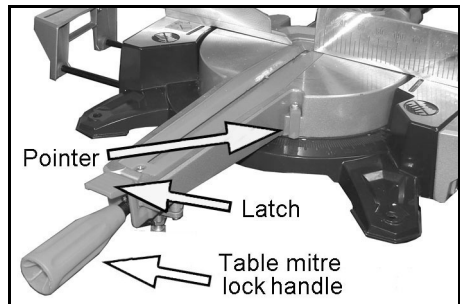
The guide rail allows cutting larger workpieces up to 340 mm x 78 mm using an out-down-back sliding motion.

1. Release the slide rail lock.
 2. Pull the saw head towards you (1) and switch the saw on as mentioned on the previous page.
 3. Lower the saw blade (2) into the workpiece and push the head back (3) to complete the cut.
- Do not perform sliding cuts on workpieces smaller than 50 x 100 mm.
 - Remember to lock the saw head in the rear position when the sliding cuts are finished.



MITRE CROSS-CUT

1. Release the table mitre lock by twisting the handle anticlockwise.
 2. Press and hold the latch down.
 3. Move the arm until the pointer lines up with the required mitre angle on the scale.
 4. Release the latch to re-secure the mitre lock.
- Tighten the table mitre lock before use.
 - Allow the blade to cut freely. Do not force the tool.
 - Proceed as for a vertical straight cross-cut.

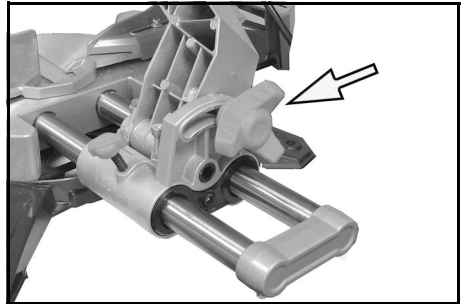


NOTE: When mitering the end of a piece of wood with a small off-cut, position the wood to ensure that the off-cut is to the side of the blade with the greater angle to the fence; i.e. left mitre, offcut to the right - right mitre, off-cut to the left.

BEVEL CUTS

Bevel angles can be set from 45° left to vertical and can be cut with the mitre arm set between zero and a maximum of 45° mitre position right or left.

1. Loosen the bevel adjustment handle and set the bevel at the desired angle.
2. Tighten the bevel adjustment handle firmly.
3. Proceed as for a vertical straight cross-cut.
 - Allow the blade to cut freely. Do not force the tool.



MITRE / BEVEL CUTS

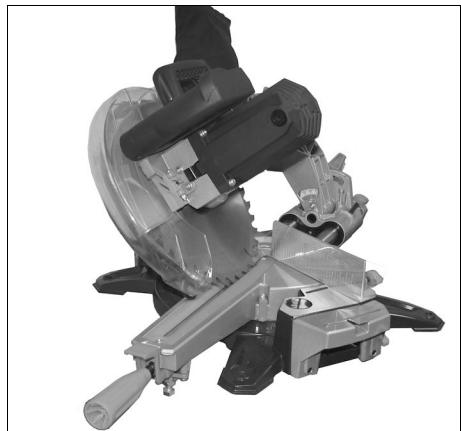
As the number of sides changes, so do the mitre and bevel angles. The chart below gives the cutting angles for a variety of shapes, assuming that all sides are of equal length.

No. of sides	Angle mitre or bevel
4	45°
5	36°
6	30°
7	25.7°
8	22.5°
9	20°
10	18°

COMPOUND MITRE CUTS

A compound mitre is a cut made using a mitre angle and a bevel angle at the same time. This is the type of cut used to make frames or boxes with slanting sides.

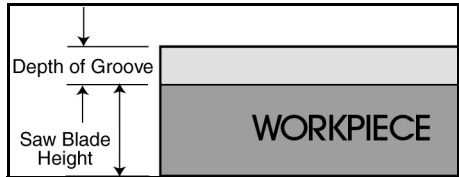
1. Set your saw to the required angles and make a few trial cuts.
2. Practice fitting the cut pieces together.
3. Always try cuts on a few scrap pieces of wood to verify the settings on the saw.



GROOVE CUTTING

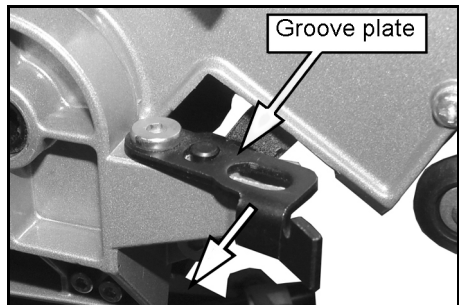
Your saw is equipped with a grooving stop and thumbscrew to allow for groove cutting.

1. Firstly, determine the depth of your groove, and subtract this value from the thickness of your workpiece. This will give you the height above the table surface at which the saw blade must be set.



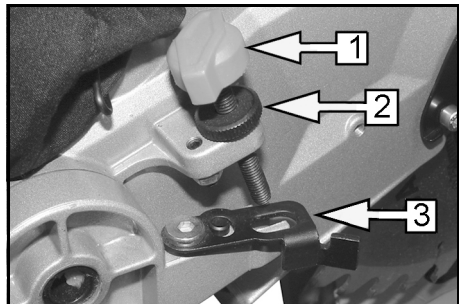
2. Ideally, place a template or a piece of wood, the same thickness as the saw blade height setting, on the table, beneath the saw blade.

3. Pivot the groove plate to the side position shown.



4. Undo the adjuster locking ring (2) and screw out the adjuster (1), then lower the head so that it lightly touches the template or is at the correct height as determined using a rule.

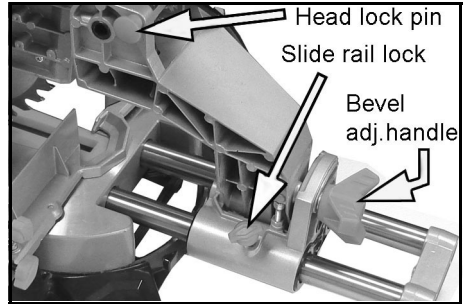
5. Screw down the adjuster (1) so that it touches the groove plate (3), then finally tighten the locking ring (2).



- The saw blade is now set to cut your groove, using the sliding feature.
 - The width of the groove will, of course, be the width of the saw blade. However, by moving the workpiece along the table in small increments, each time making a cut, it is possible to cut grooves to any desired width.
 - Angled grooves may be cut by tilting the head to the appropriate angle.
6. Before reverting to normal cutting, remember to turn the groove plate to its normal position as shown.

TRANSPORTING

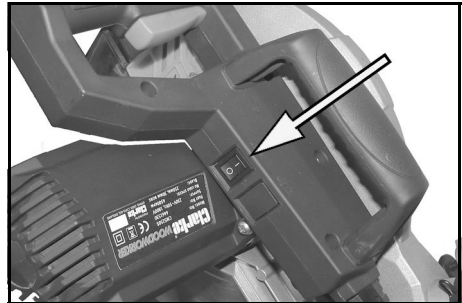
1. Lower the head and lock it down using the head lock pin.
2. Slide the head towards you and secure in place using the slide rail lock.
3. Lock the mitre arm with the table mitre lock.
4. Lock the bevel adjustment handle with the saw head in the vertical position to make the machine as compact as possible.
5. Always lift the saw using the lifting handle.



THE LASER GUIDE

Your saw is fitted with a laser guide to assist with accurate cutting.

Switch the laser on/off using the on/off switch.



MAINTENANCE



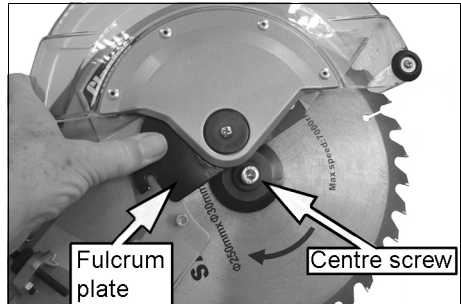
WARNING: MAKE SURE THAT THE SAW IS SWITCHED OFF AND UNPLUGGED FROM THE MAINS SUPPLY BEFORE FITTING OR REMOVING THE BLADE.

WARNING: THE BLADE MUST BE RATED TO AT LEAST 6000 RPM.

CHANGING THE SAW BLADE

Only install the correct saw blade. Do not use excessively worn blades. The maximum rotation speed of the saw must not exceed that of the saw blade.

1. Begin with the saw head in the raised position and with the slide rails locked.
2. Move the blade guard release lever allowing the blade guard to be rotated back in the usual way. Lift the fulcrum plate upwards releasing the moving guard assembly to rise upwards.



- The centre screw should now be accessible below the moving guard.
3. Press and hold down the blade lock, then using the Hex wrench supplied, undo and remove the centre screw.
- The screw has a **LEFT HAND THREAD (turn it CLOCKWISE to undo)**.



WARNING: NEVER PUSH THE BLADE LOCK IN WHEN THE MOTOR IS RUNNING.

4. Pull off the outer disc (marked with an 'O') followed by the saw blade.

NOTE: You should take this opportunity to thoroughly clean parts previously inaccessible.

5. Replace the blade, ensuring it has the correct diameter and bore.
- Ensure also that all parts are perfectly clean and the blades' teeth point down at the front as shown in the picture above.
 - The blade must be rated to at least 6000 rpm.
 - Please note that spare blades are available from Clarke International. Please see your Clarke dealer.

- Replace the outer disc (marked with an 'O') and screw in the centre screw, remembering the screw has a LEFT HAND THREAD (turn it ANTICLOCKWISE to tighten).

CHANGING THE CARBON BRUSHES

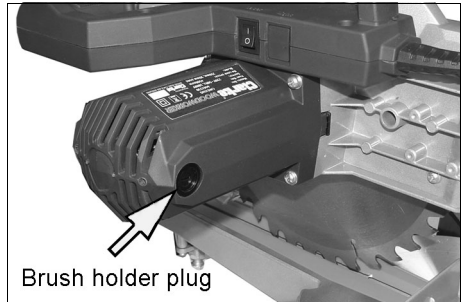


WARNING: MAKE SURE THAT THE SAW IS SWITCHED OFF AND UNPLUGGED FROM THE MAINS SUPPLY BEFORE CHANGING THE CARBON BRUSHES.

Should it become necessary to change the carbon brushes:

1. Unscrew the brush holder plug.
 2. Pull out the worn brushes.
 3. Replace with new brushes.
- Always change brushes in pairs.
4. Replace the brush holder plug, taking care not to cross thread it.

You may prefer to leave this task to your Clarke dealer.

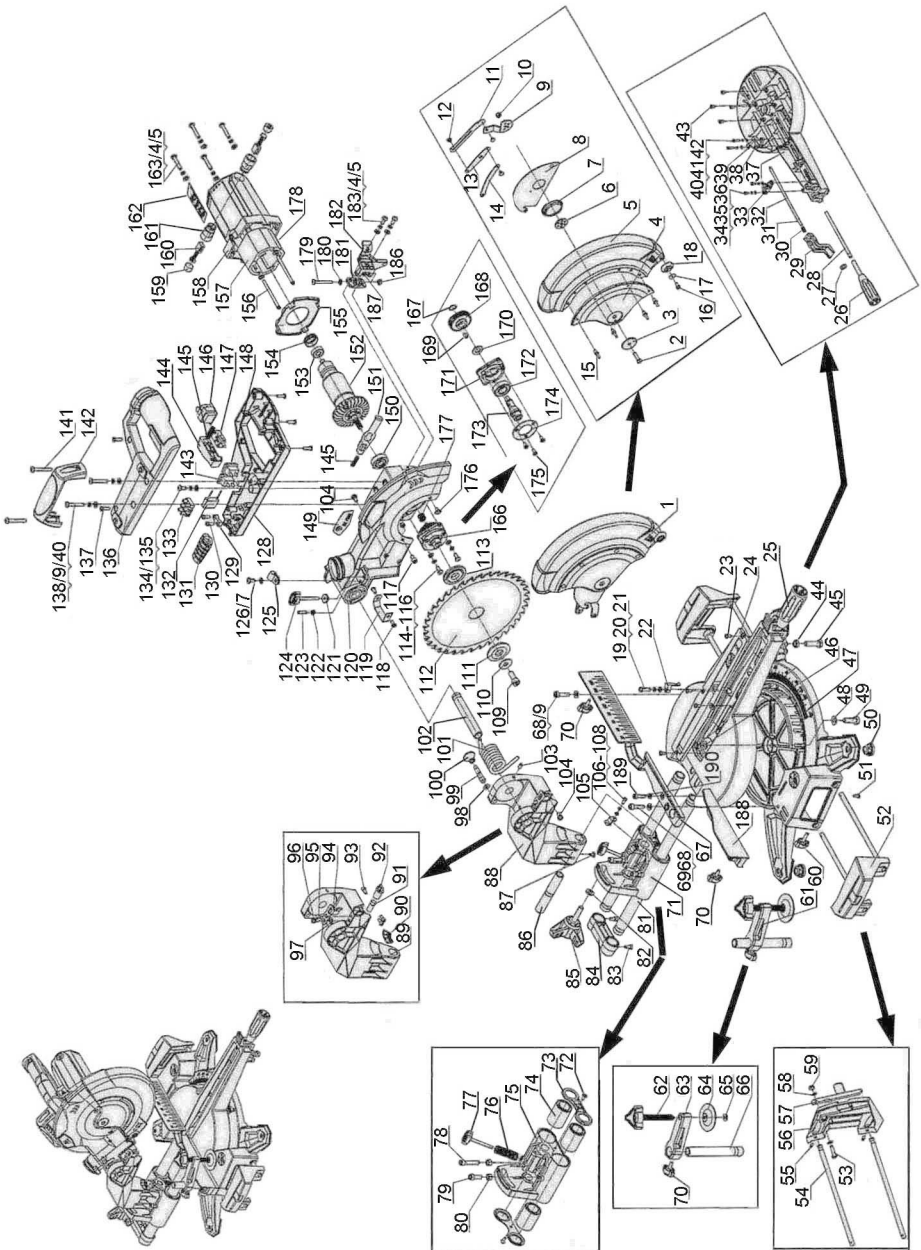


CLEANING

Your saw has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper care and regular cleaning.

- Keep the ventilation slots clear and regularly clean the motor housing with a soft cloth.
- Regularly clean the table top.
- Regularly clean the dust collection bag.
- Avoid the use of cleaners or lubricants to maintain the tool. In particular spray and aerosol cleaners may chemically attack the plastic lower guard.

PARTS DIAGRAM



PARTS LIST

NO	DESCRIPTION
1	Guard & Linkage Plate Assembly
2	Screw M5 x 20
3	Washer
4	Lower Guard Plate
5	Transparent Cover
6	Spacer Disc
7	Spring
8	Guard Fulcrum Plate
9	Guard Moving Plate
10	Nut M5
11	Linkage Plate A
12	Rivet
13	Linkage Plate B
14	Linkage Plate C
15	Rivet 4 x 10
16	ST Screw
17	Flat Washer
18	Roller
19	Screw M5 x16
20	Spring Washer
21	Flat Washer
22	Mitre Pointer
23	Screw M4x8
24	Turntable Insert
25	Turntable Assembly
26	Mitre Lock Knob
27	O-Ring 6mm
28	Mitre Locking Shaft
29	Mitre Locking Handle
30	Coil Spring
31	Mitre Positioning Shaft Pin

NO	DESCRIPTION
32	Mitre Positioning Shaft
33	Mitre Lock Front Retain Seat
34	Flat Washer
35	Spring Washer
36	Screw M4 x 12
37	Turntable Assembly
38	Mitre Lock Rear Seat
39	Mitre Lock Friction Plate
40	Flat Washer
41	Spring Washer
42	Screw M4 x 16
43	Screw M5 x 10
44	Nut M8
45	Bolt M5
46	Flat Washer
47	Base
48	Spring Washer
49	Bolt M8x30
50	Base Rubber Feet
51	Screw M4x8
52	Extension Table Assembly
53	Screw M5 x 20
54	Extension Rod
55	Screw M5x8
56	Extension Table Assembly
57	Extension Stop Sheet
58	Wave Washer
59	Nut M5
60	Lock Knob M6x20
61	Work Clamp Assembly
62	Work Clamp Screw Rod

NO	DESCRIPTION
63	Work Clamp Base
64	Work Clamp Bowl
65	O-ring 4mm
66	Work Clamp Shaft
67	Fence
68	Screw M6x25
69	Flat Washer
70	Small Knob M6x12
71	Lower Sliding Assembly
72	Screw M4x8
73	Lower Sliding Linear Bearing Cover
74	Linear Bearing 20x32x42
75	Sliding Pivot Base
76	Spring
77	Lock Knob M6x35
78	Screw M6x35
79	Screw M6x20
80	Nut M6
81	Lower Sliding Bar
82	Flat Washer
83	Screw M5 x 10
84	Bar cover
85	Large Knob M8x35
86	Bevel Spindle
87	Screw M5x8
88	Pivot Assembly
89	Pivoting body
90	Pivot Bevel Scale
91	Laser
92	Laser Seat
93	Screw M4x10
94	Mitre Lock Friction Plate
95	Mitre Lock Friction Plate
96	Screw

NO	DESCRIPTION
97	Wave Washer
98	O-Ring 5x1.8G
99	Upper Arm Lock Pin
100	Upper Arm Lock Button
101	Torque Spring
102	Upper Arm Spindle
103	Screw M5x8
104	Screw
105	Bevel Pointer
106	Screw M4x10
107	Spring Washer
108	Flat Washer
109	Screw M8x20
110	Large Washer
111	Blade Outer Disc
112	Blade
113	Blade Inner Disc
114	Screw M5x12
115	Spring Washer
116	Flat Washer
117	Screw M5x16
118	Screw M5 x12
119	Safety Block
120	Upper Arm Body
121	Nut M6
122	Nut 5mm
123	Screw M5x16
124	Lock Knob M6x45
125	Cable Holder
126	Flat Washer
127	Screw M5x12
128	Lower Handle
129	Cable Holder
130	ST Screw

NO	DESCRIPTION
131	Cable Sleeve
132	Capacitor 0.33 μ F
133	Terminal Block
134	Screw M5x12
135	Flat Washer
136	Upper handle
137	Self Tapping Screw
138	Screw M5x35
139	Spring Washer
140	Flat Washer
141	Self Tapping Screw
142	Carrying Handle
143	Lever Lock
144	Trigger
145	Spring
146	Transformer
147	On/Off Switch
148	Laser Switch
149	Brand Label
150	Bearing 6002
151	Shaff Lock bar
152	Armature
153	Bearing 608
154	Bearing Holder
155	Fan Shroud
156	Long Machine Screw 65mm
157	Stator
158	Motor Housing
159	Carbon Brush Cover
160	Carbon Brush

NO	DESCRIPTION
161	Carbon Brush Holder
162	Brand label
163	Screw M5 x 30
164	Spring Washer
165	Flat Washer
166	Gearbox Assembly
168	Gear
169	Flat Key 4x4x10
170	Wave Washer
171	Bearing Housing
172	Ball Bearing 6002
173	Output Spindle
174	Bearing Cover
175	Screw M4 x 8
176	Screw
177	Needle Bearing
178	Flat Washer
179	Screw M5x40
180	Flat Washer 5mm
181	Lower Guard Lock Base
182	Lower Guard Lock Button
183	Screw M5x12
184	Spring Washer
185	Flat Washer 5mm
186	Nut M5
187	Lower Guard Lock Spring
188	Left Fence Plate
189	Flat Washer
190	Screw M5x20

TECHNICAL SPECIFICATIONS

Power Supply	230 V @ 50Hz
Laser Class 2 power supply	1800W
Electrical Insulation Class	II
Blade Diameter	250 mm
Blade bore	30 mm
Max. blade thickness (Kerf)	3.2 mm
Number of Teeth	36
Max. No Load Speed	7000 rpm
Operating Modes	Single Speed
Max. crosscut capacity at 90°	260 x 85 mm
Max. mitre cut capacity at 45°	260 x 50 mm
Max. bevel cross-cut 45°	185 x 85 mm
Max. Compound Mitre Cut	185 x 50 mm
Max Bevel Angle	45° (left/right)
Sound pressure (L_{pA})	96.54 dB(A)
Sound power (L_{WA})	109.54 dB(A)
Uncertainty Factor (K)	3 dB(A)
Dimensions (W x D x H)	D = 756 W = 676/466 mm (supports extended or retracted) H = 527/360 (saw head raised/lowered)
Weight	11.7 kg

DECLARATION OF CONFORMITY



Clarke[®]
INTERNATIONAL

Hemnal Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

- 2006/42/EC *Machinery Directive.*
- 2014/30/EU *Electromagnetic Compatibility Directive.*
- 2011/65/EU *Restriction of Hazardous substances.*

The following standards have been applied to the product(s):

- EN 61029-1:2009+A11:2010, EN 61029-2-9:2012+A11:2013, EN 55014-1:2006+A1+A2:2011,*
- EN 55014-2:1997+A1+A2, EN 61000-3-2:2006+A1+A2, EN 61000-3-3:2013.*

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2017

Product Description: Stationary 250mm Sliding Mitre Saw
Model number(s): CMS250S
Serial / batch Number: N/A
Date of Issue: 10/11/2017

Signed:

J.A. Clarke
Director

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