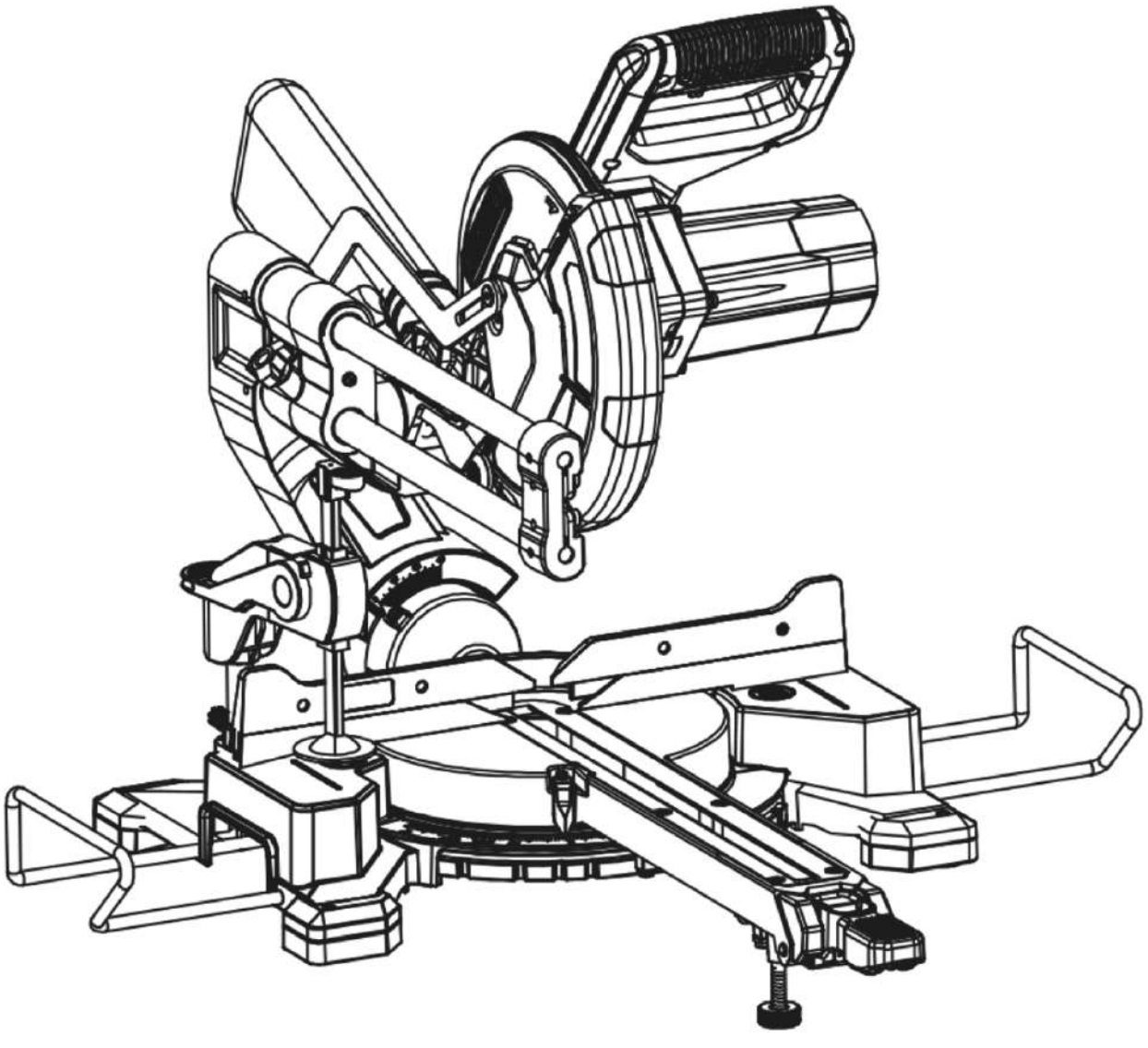
EXCEL

1700W

Model: ECJ1GZP17K216A

240V: 31708

Operating Instructions



216MM (8.5”) SLIDING MITRE SAW

WITH SOFT START MOTOR

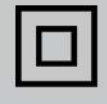
CE 2023

Danger! Read all safety regulations and instructions.
Keep all safety regulations and instructions in a safe place for future use.

SYMBOLS


To reduce the risk of injury, user must read instructional


In accordance with essential applicable safety standards of European directives


Class II machine - Double insulation - You don't need any earthed plug


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


Indicates electrical shock hazard


Faulty and/or discarded electrical or electronic apparatus have to be collected at the appropriate recycling locations


Immediately unplug the plug from the mains electricity in the case that the cord gets damaged and during maintenance


Wear eye protection


Wear dust mask


Wear protective gloves


Important. Risk of injury.
Never reach into the running saw blade.

2. TECHNICALSPECIFICATIONS

Miter saw model: **ECJ1GZP17K216A**

Supply power ..... 220-230V~, 50Hz

Motor capacity 1700W

No-load speed 5500/min

Blade size Φ216xΦ30mm x48Tx2.4mm

Use only a saw blade diameter in accordance with the markings on the saw and information about the bore diameter and the maximum kerf width of the saw blade.

Net weight 13.2kg

L_{PA} sound pressure level..... 102.5dB(A)

K_{PA} uncertainty..... 3 dB(A)

L_{WA} sound power level ..... 115.8dB(A)

K_{WA} uncertainty ..... 3 dB(A)

CUTTING CAPACITY

- Miter table angles : 0° to 45° to the left & right
- Bevel cuts : 0° to 45° to the left
- Straight cut at 0° x 0° : 34 x 7 cm
- Miter cut at 0° x 45° : 24 x 7 cm
- Bevel cut at 45° left x 0° : 34 x 4 cm
- Compound miter cut at 45° left x 45° : 24 x 4 cm
- Dust port size : 35 mm
- Minimum size of the workpiece: 90mmX5mmX5mm

NOISE INFORMATION

The noise emission and its uncertainty measured in accordance with EN 62841-1.

- that the declared noise emission value(s) have been measured in accordance with a standard test method and may be used for comparing one tool with another.
- that the declared noise emission value(s) may also be used in a preliminary assessment of exposure.

Wear hearing protection!

WARNING:

- the noise emissions during actual use of the power tool can differ from the declared values depending on the ways in which the tool is used especially what kind of workpiece is processed; and

- the need to identify safety measures to protect the operator that 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 when the tool is switched off and when it is running idle in addition to the trigger time).

To reduce the impact of noise emission, limit the time of operation, use low-noise operating modes as well as wear personal protective equipment.

Take the following points into account to minimize the noise exposure risks:

1. Only use the product as intended by its design and these instructions.
2. Ensure that the product is in good condition and well maintained.
3. Use correct application tools for the product and ensure they in good condition.
4. Keep tight grip on the handles/grip surface.
5. Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate).
6. Plan your work schedule to spread any high vibration tool use across a number of days.

KEEP GUARD IN PLACE and in working order.

ALWAYS check the tool for damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine whether it will operate properly and perform its intended function. Check for misalignment or binding of moving parts, broken 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 by a qualified person The blade guard on your saw has been designed to automatically raise when the arm is brought down and to 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 TURNED OFF.

ACCESSORIES

The Miter Saw is supplied with the following accessories as standard:

- 48 Teeth blade (fitted)
- Dust bag
- Quickly workpiece clamp
- Support stand (fitted)
- 6mm Hex Key (stored in the Machine arm part)

3. GENERAL POWER TOOL SAFETY WARNINGS

WARNING! Read all safety warnings instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock,fire and/or serious injury.

Save all warnings and instructions for future reference.
The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

a) Keep work area clean and well lit. Cluttered and dark areas invite accidents.
b) 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.
c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical safety

a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
b) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

3) Personal safety

a) 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 serious personal injury.
b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.

d) **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.

e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust related hazards.

h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

4) Power tool use and care

a) **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 for which it was designed.

b) **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.

c) **Disconnect the plug from the power and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) **Store idle power 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.

e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) **Use the power tool, accessories and tool bits etc., in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended could result in a hazardous situation.

h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5) Service

a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

4. SAFETY INSTRUCTIONS FOR Miter SAWS

a) **Miter saws are intended to cut wood or wood-like products, they cannot be used with abrasive cut-off wheels for cutting ferrous material such as bars, rods, studs, etc.** Abrasive dust causes moving parts such as the lower guard to jam. Sparks from abrasive cutting will burn the lower guard, the kerf insert and other plastic parts.

b) **Use clamps to support the workpiece whenever possible. If supporting the workpiece by hand, you must always keep your hand at least 100 mm from either side of the saw blade. Do not use this saw to cut pieces that are too small to be securely clamped or held by hand.** If your hand is placed too close to the saw blade, there is an increased risk of injury from blade contact.

c) **The workpiece must be stationary and clamped or held against both the fence andthe table. Do not feed the workpiece into the blade or cut "freehand" in any way.** Unrestrained or moving workpieces could be thrown at high speeds, causing injury.

d) **Push the saw through the workpiece. Do not pull the saw through the workpiece. To make a cut, raise the saw head and pull it out over the workpiece without cutting, start the motor, press the saw head down and push the saw through the workpiece.** Cutting on the pull stroke is likely to cause the saw blade to climb on top of the workpiece and violently throw the blade assembly towards the operator.

e) **Never cross your hand over the intended line of cutting either in front or behind the saw blade.** Supporting the workpiece "cross handed" i.e. holding the workpiece to the right of the saw blade with your left hand or vice versa is very dangerous.

f) **Do not reach behind the fence with either hand closer than 100 mm from either side of the saw blade, to remove wood scraps, or for any other reason while the blade is spinning.** The proximity of the spinning saw blade to your hand may not be obvious and you may be seriously injured.

g) **Inspect your workpiece before cutting. If the workpiece is bowed or warped, clamp it with the outside bowed face toward the fence. Always make certain that there is no gap between the workpiece, fence and table along the line of the cut.** Bent or warped workpieces can twist or shift and may cause binding on the spinning saw blade while cutting. There should be no nails or foreign objects in the workpiece.

h) **Do not use the saw until the table is clear of all tools, wood scraps, etc., except for the workpiece.** Small debris or loose pieces of wood or other objects that contact the revolving blade can be thrown with high speed.

i) **Cut only one workpiece at a time.** Stacked multiple workpieces cannot be adequately clamped or braced and may bind on the blade or shift during cutting.

j) **Ensure the miter saw is mounted or placed on a level, firm work surface before use.** A level and firm work surface reduces the risk of the miter saw becoming unstable.

k) **Plan your work. Every time you change the bevel or mit r angle setting, make sure the adjustable fence is set correctly to support the workpiece and will not interfere with the blade or the guarding system.** Without turning the tool "ON" and with no workpiece on the table, move the saw blade through a complete simulated cut to assure there will be no interference or danger of cutting the fence.

l) **Provide adequate support such as table extensions, saw horses, etc. for a workpiece that is wider or longer than the table top.** Workpieces longer or wider than the miter saw table can tip if not securely supported. If the cut-off piece or workpiece tips, it can lift thelower guard or be thrown by the spinning blade.

m) **Do not use another person as a substitute for a table extension or as additional support.** Unstable support for the workpiece can cause the blade to bind or the workpieceto shift during the cutting operation pulling you and the helper into the spinning blade.

n) **The cut-off piece must not be jammed or pressed by any means against the spinning saw blade.** If confined, i.e. using length stops, the cut-off piece could get wedged against the blade and thrown violently.

o) **Always use a clamp or a fixture designed to properly support round material such as rods or tubing.** Rods have a tendency to roll while being cut, causing the blade to "bite" and pull the work with your hand into the blade.

p) **Let the blade reach full speed before contacting the workpiece.** This will reduce the risk of the workpiece being thrown.

q) **If the workpiece or blade becomes jammed, turn the miter saw off. Wait for all moving parts to stop and disconnect the plug from the power source and/or remove the battery pack. Then work to free the jammed material.** Continued sawing with a jammed workpiece could cause loss of control or damage to the miter saw

r) **After finishing the cut, release the switch, hold the saw head down and wait for the blade to stop before removing the cut-off piece.** Reaching with your hand near the coasting blade is dangerous.

s) **Hold the handle firmly when making an incomplete cut or when releasing the switch before the saw head is completely in the down position.** The braking action of the saw may cause the saw head to be suddenly pulled downward, causing a risk of injury.

t) When fitted with laser, no exchange with different type of laser is permitted. Repairs shall only be carried out correctly.

5. EXTRA REGULATIONS FOR THIS MITER SAW

Familiarize yourself with the use of this product by means of this instructionmanual. Memorize the safety directions and follow them to the letter. This will help top revent risks and hazards.

1. Always be alert when using this product, so that you can recognize and handle risksearly. Fast intervention can prevent serious injury and damage to property.
2. Switch off and disconnect from the power supply if there is any malfunction. Have the product checked by a qualifed specialist and repaired, ifnecessary, before you put it into operation again.
3. Use only a saw blade diameter in accordance with the markings on the saw and information about the bore diameter and the maximum kerf width of the saw blade.
4. Use only saw blades that are marked with a speed equal or higher than the speed marked on the tool.
5. use only saw blades recommended by the manufacturer and conform to EN 847-1:2017.
6. Always hold the handle firmly to avoid uncontrolled release of the saw unit from the fully down position.

RESIDUAL RISKS

Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be rules out. The following hazards may arise in connection with the equipment's construction and layout:

1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.
3. Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

WARNING!
This product produces an electromagnetic field operation! This field may undersome circumstances interfere with active or passive medical implants! To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their doctorand the medical implant manufacturer before operating this product!

WEAR GOGGLES
WEAR EARMUFFS
WEAR A BREATHING MASK

WARNING! 	For your own safety read instruction manual before operating miter saw. Wear eye protection. Keep hands out of path of saw blade. Do not operate saw without guards in place. Do not perform any operation freehand. Never reach around saw blade. Turn off tool and wait for saw blade to stop before moving workpiece or changing settings. When changing the blade, replace and secure all quarding to its original position and correctly before starting tool.Disconnect power (or unplug tool as applicable) before changing blade or servicing. Do not expose to rain or use in damp locations. To reduce the risk of injury, return carriage to the full rear position after each cross cut operation.

The tool must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.
Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors.
The following hazards may arise in connection with the tool's construction and design:

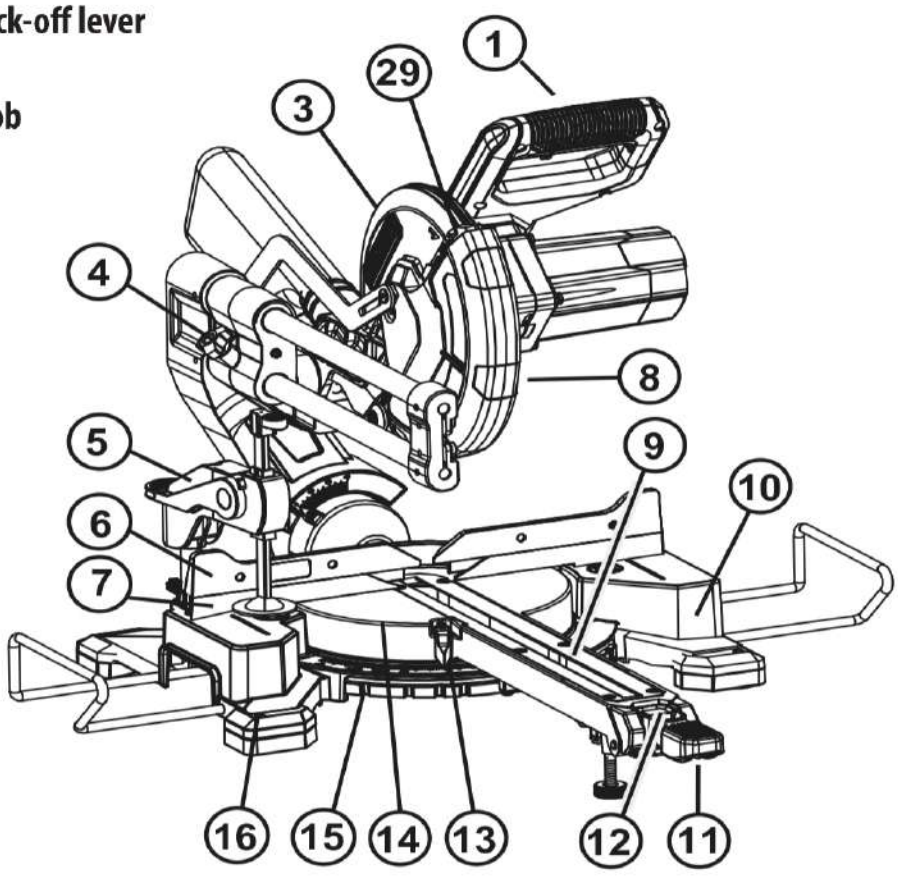
- Damage to the lungs if an effective dust mask is not worm.
- Damage to hearing if effective earmuffs are not worn.

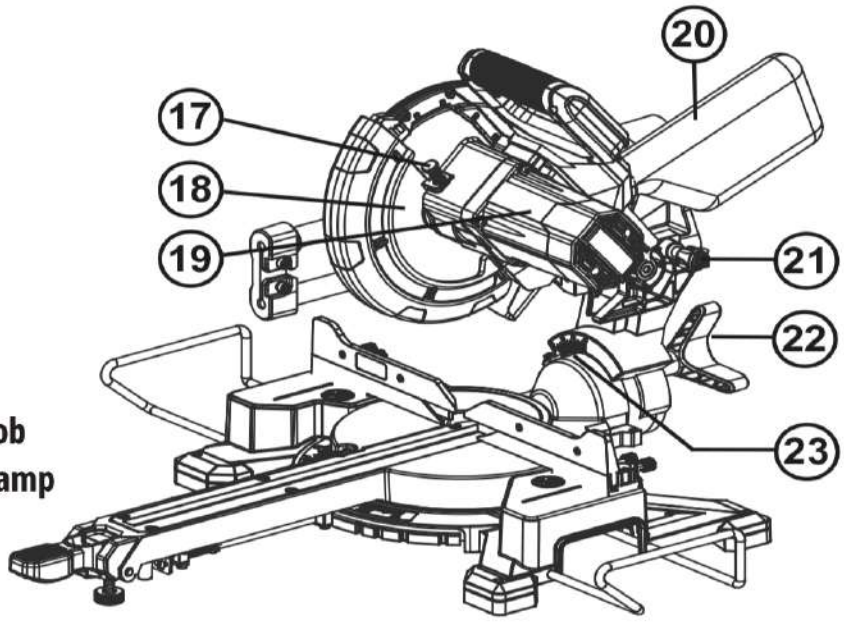
6. ADDITIONAL SAFETY INSTRUCTIONS FOR LED

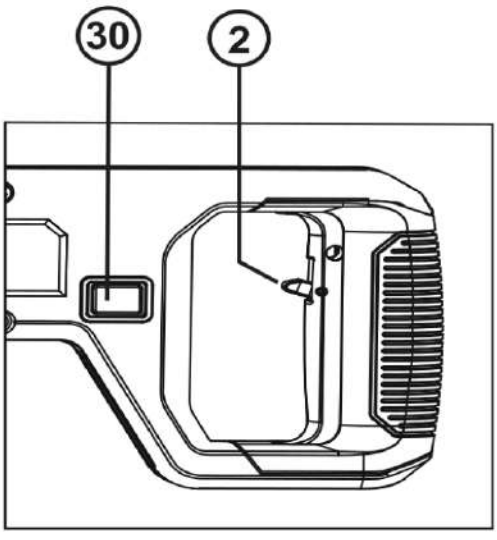
Warning! The LED light beam potentially causes eye damage. Do not look or stare into the LED beam.

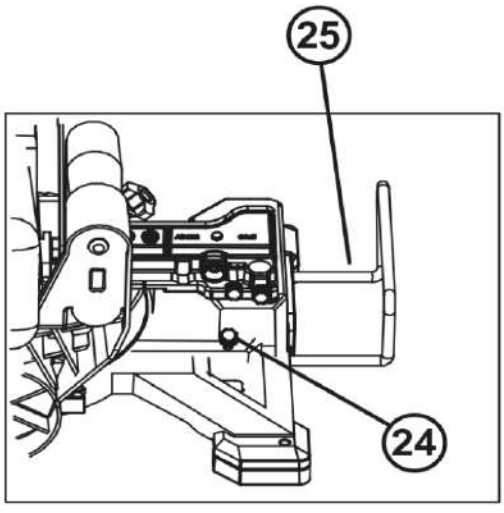
7. SAW FEATURES

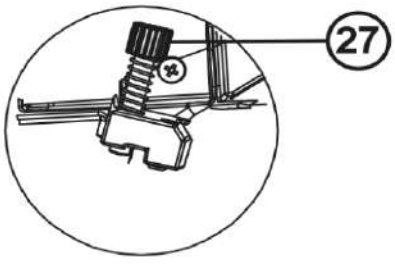
1. Switch handle
2. Trigger switch with lock-off lever
3. Upper blade guard
4. Slide carriage lock knob
5. Work clamp
6. Slide fence
7. Fence
8. Lower blade guard
9. Table insert
10. Base
11. Miter lock handle
12. Miter latch button
13. Miter scale
14. Table
15. Quick angle setting
16. Mounting hole
17. Spindle locker stop
18. Blade
19. Motor
20. Dust bag
21. Release knob
22. Bevel lock knob
23. Bevel scale
24. Extension bar lock
25. Extension bar
26. Hex wrench
27. Depth adjust screw
28. Screw
29. LED light (inside)
30. LED switch
31. Fence adjustment knob
32. Knob for lock wood clamp
33. 0° Bevel screw
34. 45° Bevel screw

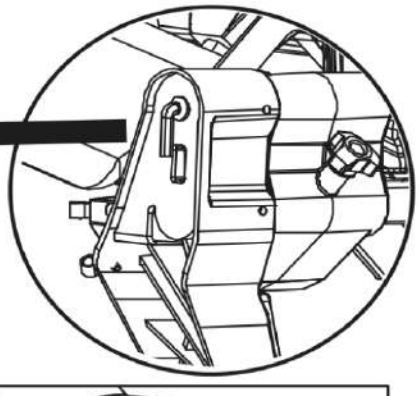


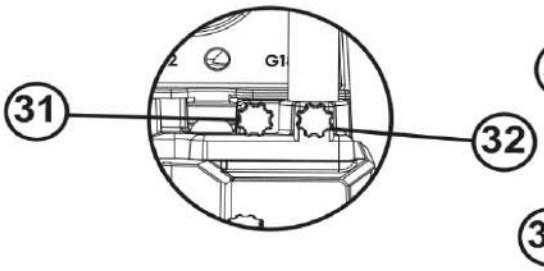


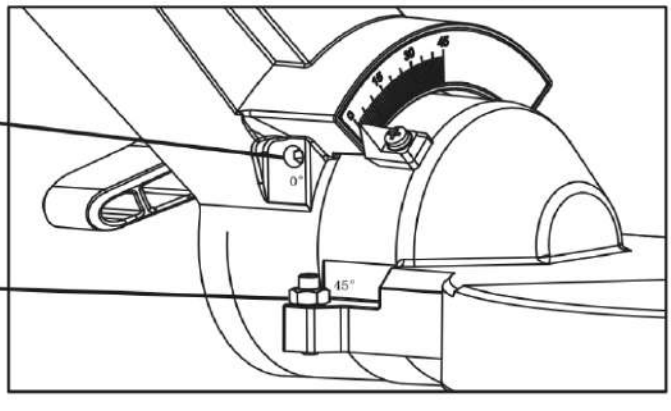


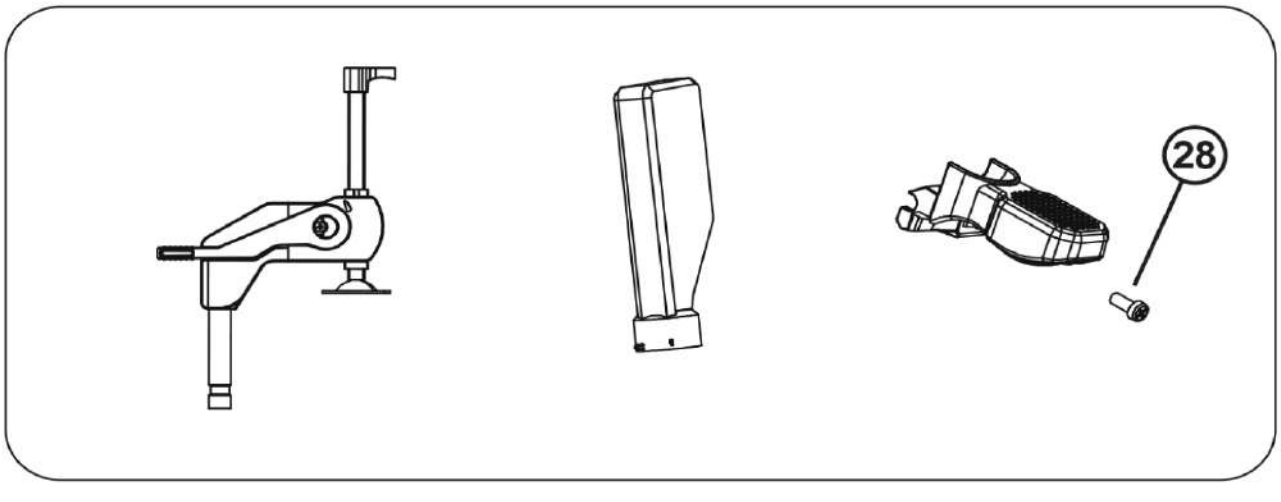












8. INTENDED USE

This miter saw is intended for cutting wood and analogue materials, it is suitable for straight cuts having miter angles of up to 45. The saw is not designed for cutting frewood. Do not use machines, tools and accessories for additional applications (see manufacturer's instructions) for works other than those for which they are designed for. All other applications are expressly ruled out.

9. NOT INTENDED USE

If not intended use, the risk offre, electric shock and personal injury maybe further and

- The provisions contained in this guarantee are not intended to limit, modify, take away from, disclaim or exclude any statutory guarantee set forth in any applicable provincial or federal legislation

The Environment for operation:
The work area should be well and clean, do not operate this machine in explosive atmospheres, such as in the presence offlammable liquids, gases or dust. and do not expose it to rain or wet conditions.

10. OPERATING INSTRUCTIONS

Important: Be sure the supply is the same as the voltage given on the rating plate. Remove the mains plug before carrying out any adjustment or servicing.

ASSEMBLY
Warning: To prevent the accidental starting that could cause possible serous personal injury, ALWAYS assemble all parts to you saw BEFORE connecting it to the power supply. The saw should NEVER be connected to a power supply when you are assembling parts, making adjustments, installing or removing blades, or when not in use.

1. DUST EXTRACTION PORT (Fig 2)

1. Fit the dust bag (20) to the dust extraction port.
2. A vacuum dust extraction device can be connected to the dust extraction port. Use a suitable vacuum adaptor if necessary. The dust extraction port has an internal diameter of 35 mm.

2. ASSEMBLY THE MITER LOCK

1. Take out the dual-purpose hex wrench from the machine first.
2. Use the hex wrench to remove the screw.
3. Insert the miter lock handle into the clamping block.
4. Use the hex wrench to tighten the screw.

3. TRANSPORTATION

Lift the miter saw only when the saw arm is locked in the down position, the saw is switched off and the plug is removed from the power supply.
Only lift the saw by the handle or outer castings. Do not lift the saw using the guards.

4. BENCH MOUNTING

To ensure that the miter saw is always stable and secure.Before use,the saw can be fixed to a firm, level surface with the 4 mounting bolts (Not supplied).Four holes are provided in the base of the saw to enable it to be fixed to a bench, or other supporting surface.

1. Place the saw on a level, horizontal bench or work table using bolts (not supplied) and fix the saw to the bench using 4 bolts.
2. If desired, you can mount the saw to a piece of 1/2" (13 mm) or thicker plywood which can then be clamped to your work support or moved to other job sites and re-clamped.

To mount the saw,proceed as follows:

1) Locate and mark where the saw is to be mounted.
2) Drill 4 holes through the surface.
3) Place the miter saw on the surface aligning holesin base with holes drilled in the surface. Install bolts,washers and hex nuts.

CAUTION! Make sure that the mounting surface is not warped as an uneven surface can cause binding and inaccurate sawing.

5. RELEASE KNOB

The Release knob (21) is provided for holding the cutting head down while transporting or storing the miter saw. The saw must never be used with the release knob locking the head down.

6. MITER TABLE LOCKS

The miter lock handle (11) and miter latch button (12) are used to lock the table at the desired miter angle.
The miter saw cuts from 0° to 45° both left and right. To adjust the miter angle loosen the miter table locks and rotate the miter table to the desired position.The miter table features positive click stops at 0°, 15°, 22.5°, 30° and 45° for quick setting of common miter angles.

7. BEVEL LOCK KNOB

The bevel lock knob (22) is used to set the blade at the desired bevel angle. The miter saw bevel cuts from 0° to 45° to the left. To adjust the bevel angle loosen the bevel lock knob(22) and adjust the saw arm to the desired bevel angle.

8. SPINDLE LOCK BUTTON

The spindle lock button (17) prevents the blade in the saw from rotating. Depress and hold the spindle lock button while installing, changing, or removing the blade.

9. ROTATING LOWER BLADE GUARD

The rotating lower blade guard (8) provides protection from both sides of the blade. It retracts over the upper blade guard (3) as the saw is lowered into the workpiece.

10. LED light ON AND OFF

1. To turn the LED on press the switch (30) at " " place , Press "OFF" to switch off the LED.

11. TURNING ON AND OFF

1. To turn the saw on moving the switch lock (2) to left and depress and hold the on/off trigger switch.
2. To turn the saw off release the on/off trigger switch.

12. SETTING THE TABLE SQUARE WITH THE BLADE

1. Make sure that the electrical plug is removed from the power point.
2. Push the handle (1) down to its lowest position and engage the Release knob (21) to hold the saw arm in the transport position.
3. Loosen the miter lock handle (11) and depress the miter latch button (12) .
4. Rotate the table (14) until the pointer is positioned at 0º.
5. Release the miter latch button(12) and tighten the miter lock handle (11).
6. Loosen The bevel lock knob (22) and set the saw arm at 0º bevel (the blade at 90º to the miter table). Tighten The bevel lock knob (22).
7. Place a set square against the table (14) and the flat part of the blade.
8. Rotate the blade by hand and check the blade-to-table alignment at several points.
9. The edge of the set square and the saw blade should be parallel.
10. If the saw blade angles away from the set square, adjust as follows.
11. Use an 8 mm wrench or adjustable wrench to loosen the lock nut securing the 0º bevel adjustment screw . Also, loosen The bevel lock knob(22).
12. Adjust the 0° beve l adjustment screw using a 4 mm hex key to bring the saw blade into alignment with the square.

13. Loosen the Phillips head screw holding the pointer of the Bevel scale (23) and adjust the position of the pointer so that it accurately indicates zero on the scale. Retighten the screw.
14. Retighten The bevel lock knob(22) and the lock nut securing the 0º bevel adjustment screw.

13. SETTING THE FENCE SQUARE WITH THE TABLE

1. Make sure that the electrical plug is removed from the power supply.
2. Push the handle (1) down to its lowest position and engage the Release knob (21) to hold the saw arm in the transport position.
3. Loosen the miter lock handle (11) and depress the miter latch button (12).
4. Rotate the table (14) until the pointer is positioned at 0º.
5. Release the miter latch button(12) and tighten the miter lock handle (11).
6. Using a 4mm hex key, loosen the two screws securing the fence (7) to the base.
7. Place a square against the fence (7) and alongside the blade.
8. Adjust the fence (7) until it is square with the blade.
9. Tighten the screws securing the fence (7).
10. Loosen the Phillips head screw holding the pointer of the miter scale (14) and adjust it so that it accurately indicates the zero position on the miter scale.
11. Retighten the screw securing the miter scale pointer.

14. EXTENSION BARS

Please always fix and use the extensio bars during operation.

1. Release the extension bar lock(24) first.
2. Adjust the extension rbar to your desired length.
3. Tigthen the extension bar lock(24) .

15. WORKPIECE CLAMP

When cutting workpiece,the boards should always be clamped with a vertical clamp.

16. CHANGING A BLADE (Fig 1)

DANGER! Never try to use a blade larger than the stated capacity of the saw. Do not use a blade thicker than 3mm. It will prevent the blade screw from properly securing the blade on the spindle. Install the suitable blade for your cutting operation.

1. Unplug the tool from its power source.
2. Pull out the saw arm release bolt and let the saw arm rest in the upper position. Use a Phillips-head screwdriver (not included) to remove the blade guard bolt .that holds the blade guard plate in place. Raise the lower blade guard and the blade guard plate so that you can access the arbor hex bolt.

3. Firmly press down the saw spindle lock below the operating handle and hold it in. Use the included 6mm hex wrench to turn the arbor bolt ❶ clockwise and remove it (the bolt is left-hand threaded). Remove the outer flange ❷. Make sure the inner flange ❹ stays in place on the arbor.
4. Slowly remove the blade by pulling it out and down. Clean the arbor bolt ❶, outer flange ❷.

ASSEMBLY & ADJUSTMENTS

5. Place the inner flange ❹ onto the spindle first, second to put the new blade, and third is the outer flange ❷, and then put the arbor bolt ❶ to fix security (Fig 4).

IMPORTANT: Make sure the blade's rotation arrow points in the same direction as the rotation arrow on the upper blade guard.

6. Lower the blade guard, making sure that the blade guard is properly lowered and covering the arbor bolt ❶. Reinstall the blade guard screw. Make sure that the blade guard moves freely and covers the entirety of the blade.
7. Allow the lower blade guard to return back into position.

IMPORTANT: Carefully rotate the saw blade and make sure that it does not wobble. Lower the saw arm and check that the blade does not contact the kerf board, with the saw at 0° and 45° bevel angles. Make sure the lower blade guard operates properly before using the saw.

17. CROSS CUT

If possible, always use a clamping device such as a quickly clamp to secure your workpiece. When cutting your workpiece, keep your hands well away from the blade area. Do not remove a cut-off piece on the right-hand side ofthe blade using your left hand. A crosscut is made by cutting across the grain of the workpiece. A 90º crosscut is made with the miter table set at 0º. Miter crosscuts are made with the table set at some angle other than zero.

1. Pull on the Release knob handle (21) and lift the saw handle (1) to its full height.
2. Loosen the miter lock handle (11) and depress the miter latch button (12).
3. Rotate the miter table (14) until the pointer aligns with the desired angle.
4. Release the miter latch button(12) and re-lock the miter locks (11).
5. Place the workpiece flat on the table with one edge securely against the fence (6) (7). If the board is warped, place the convex side against the fence (6)(7). If the concave side is placed against the fence, the board could break and jam the blade.
6. When cutting long workpiece , support the opposite end of the workpiece with side support bars, a roller stand or a work surface that is level with the saw table.
7. Before turning on the saw, perform a dry run of the cutting operation to check that there are no problems such as a clamp interfering with the cutting action.
8. Moving the switch lock (2) to left and squeeze the switch trigger. Allow the blade to reach maximum speed and slowly lower the blade into and through the workpiece.

9. Release the switch trigger and allow the saw blade to stop rotating before raising the blade out of the workpiece. Wait until the blade stops before removing the workpiece.

18. BEVEL CUT

If possible, always use a clamping device such as a quickly clamp to secure your workpiece. When cutting your workpiece, keep your hands well away from the blade area.
Do not remove a cut-off piece on right-hands side of the blade using your left hand. A bevel cut is made by cutting across the grain of the workpiece with the blade angled to the fence and miter table. The miter table is set at the zero degree position and the blade set at an angle between 0° and 45°.

1. Pull on the Release knob (21) and lift the saw arm to its full height.
2. Loosen the miter lock knob (11) and depress the miter latch button (12).
3. Rotate the miter table (14) until the pointer aligns with zero on the miter scale (13).
4. Release the miter latch button(12) and retighten the miter locks (11).
5. Loosen The bevel lock knob (22) and move the saw arm to the left to the desired bevel angle (between 0° and 45°). Tighten The bevel lock knob (22).
6. Place the workpiece flat on the table with one edge securely against the fence (6)(7). If the board is warped, place the convex side against the fence. If the concave side is placed against the fence, the board could break and jam the blade.
7. When cutting long workpiece, support the opposite end of the workpiece with side support bars,a roller stand or a work surface that is level with the saw table.
8. Before turning on the saw, perform a dry run of the cutting operation to check that there are no problems such as a clamp interfering with the cutting action.
9. Moving the switch lock (2) to left and squeeze the switch trigger. Allow the blade to reach maximum speed and slowly lower the blade into and through the workpiece.
10. Release the switch trigger and allow the saw blade to stop rotating before raising the blade out of the workpiece. Wait until the blade stops before removing the workpiece.

Warning!

Please pull out the left extension fence to limit first and lock tighten before cutting at the bevel 45°.

19. COMPOUND MITER CUT

If possible, always use a clamping device such as a quickly clamp to secure your workpiece.
When cutting your workpiece, keep your hands well away from the blade area.
Do not remove a cut-off piece on the right-hand side of the blade using your left hand. A compound miter cut involves using a miter angle and a bevel angle at the same time. It is used in making picture frames, to cut mouldings, making boxes with sloping sides and for roof framing. Always make a test cut on a piece of scrap wood before cutting into the good material.

1. Pull on the Release knob handle (21) and lift the saw arm to its full height.
2. Loosen the miter locks handle (11) and depress the miter latch button (12).
3. Rotate the miter table (14) until the pointer aligns with the desired angle on the miter scale (13).
4. Release the miter latch button(13) and retighten the miter lock handle (11).
5. Loosen The bevel lock (22) and move the saw arm to the left to the desired bevel angle (between 0º and 45º). Tighten The bevel lock (22).
6. Place the workpiece flat on the table with one edge securely against the fence (7) If the board is warped, place the convex side against the fence. If the concave side is placed against the fence, the board could break and jam the blade.
7. When cutting long workpiece, support the opposite end of the workpiece with the side support bars, a roller stand or a work surface that is level with the saw table.
8. Before turning on the saw, perform a dry run of the cutting operation to check that there are no problems such as a clamp interfering with the cutting action.
9. Moving the switch lock (2) to left and squeeze the switch trigger. Allow the blade to reach maximum speed and slowly lower the blade into and through the workpiece.
10. Release the switch trigger and allow the saw blade to stop rotating before raising the blade out of the workpiece. Wait until the blade stops before removing the workpiece.

Warning!

Please pull out the left extension fence to limit first and lock tighten before cutting at the bevel 45°.

20. ADJUSTING THE CUTTING DEPTH (Fig 3)

The saw cutting depth can be adjusted if you would like to perform a kerfing or rabbet cut that does not cut all the way through the workpiece.

1. Unplug the tool from its power source and raise the saw head assembly.
2. Locate the depth adjust screw(27) on the right side of the saw.
3. Pull down on the saw head to check the current setting.
4. Loosen the depth stop knob . To increase depth, turn the depth stop knob counterclockwise. To decrease depth, turn the depth stop knob clockwise.
5. Check that the blade will not hit the table, fence, kerf board, or other part of the saw during the cut. Check the cutting depth setting by completing a test cut on a piece of scrap wood. Repeat steps 4 - 5 until the desired depth is achieved.

21. ADJUSTING THE FENCE (Fig 2)

1. Loosen the fence adjustment knob(31).
2. Adjust the fence as desired. The top portion of the left fence can slide to the left and right, while the bottom portion of the fence stays stationary.
3. Tighten the fence adjustment knob to lock the fence into place.

11. MAINTENANCE

WARNING! RISK OF INJURY! Always switch the appliance off and unplug before carrying out any work on the appliance.

1. When all the adjustments, settings or maintenance have been done, make sure that all keys and wrenches have been removed and that all screws,bolts and other fittings are securely tightened.
2. Keep the tool's air vents unclogged and cleanat all times. Occasionally you may seesparks through the ventilation slots. This is normal and will not damage your power tool.
3. Regularly check to see if any dust or foreign matter has entered the grills near the motor and around the trigger switch. Use a soft brush toremove any accumulated dust.
4. Wear safetyglasses to protect your eyes whilst cleaning.
5. If the body of the saw needs cleaning, wipe it with a soft damp cloth. A mild detergent can beused but nothing like alcohol, petrol or other cleaning agent.
6. Never use caustic agents to clean plastic parts.

CAUTION: Water must never come into contactwith the saw.

7. Store the tool, instruction manual and accessories in a secure place. In this way you will always have all the information and parts on hand.

If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

GENERAL INSPECTION

1. Regularly check that all the fixing screws are tight. They may vibrate loose over time. Check especially the outer flange. Ifthere is vibration, screws can loosen with time.
2. Regularly check the device's power cable and all extension cables used for damage. If the supplycord needs replacing, the task must be carriedout by the manufacturer, the manufacturer'sagent, or an authorized service centre in orderto avoid a safety hazard. Replace damaged extension cables.
3. If the carbon brushes need to be replaced, have this done by a qualifed repair person (always replace the two brushes at the same time)

LUBRICATION

The grease in the gearbox will requirere placement after extensive use of the tool. Please refer to an authorised service agent to provide this service.

SERVICE

- Tool service must be performed only by the manufacturer or the authorized agent.Service or maintenance performed by unqualifed personnel could result in a risk of injury.

- When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

CLEANING

Clean dust and debris from vents. Keep handles clean, dry and free of oil or grease. Use only mild soap and adamp cloth to clean, since certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents,ammonia and household deter-gents containing ammonia. Never use flammable or combustible solvents around tools.

STORAGE & DISPOSAL

Switch the miter saw off and unplug it.
Store the miter saw and its accessories in a dark, dry,frost-free, well-ventilated place.
Always store the miter saw in a place that is inaccessible to children. The ideal storage temperature is between 10 °C and 30 °C.
We recommend using the original package for storage or covering the miter saw with a suitable cloth or enclosure to protect it against dust.

TRANSPORTATION

Switch the miter saw off. Protect the miter saw from any heavy impact or strong vibrations which may occur during transportation in vehicles.Secure the miter saw to prevent it from slipping or falling over.

12. TROUBLESHOOTING

Problems	Probable causes	Corrective action
Device doesn't start	No electricity arrives at the machine	Check the power supply and the power line.
	The motor is overloaded or Over heated	Allow the machine to run idle for about 2 mins to cool dow
	On/off switch may be defective	Repair by customer care
	Engine faulty	
Vibrations are too strong	Screws or parts are loose	Repair by customer care
	The miter saw is not correctly mounted	Remove blockages
	Work piece is not properly supported	Secure the work piece
Blade does rotate smoothly, abnormal noises can be heard	Blade nut is loosen	Tighten blade nut
	Blade is defective	Change blade

13. RECYCLING

The packaging consists of environmentally friendly material. It can be disposed of in the local recycling containers.

CAUTION! This product has been marked with a symbol relating to removing electric and electronic waste. This means that this product shall not be discarded with household waste but that it shall be returned to a collection system which conforms to the European WEEE Directive. Contact your local authorities or stocks for advice on recycling. It will then be recycled or dismantled in order to reduce the impact on the environment. Electric and electronic equipment can be hazardous for the environment and for human health since they contain hazardous substances.

ENVIRONMENTAL PROTECTION

Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice. It will then be recycled or dismantled in order to reduce the impact on the environment.

IMPORTANT! PLEASE READ THIS MANUAL BEFORE USING THIS PRODUCT, FOLLOW THE BASIC SAFETY WARNINGS WITHIN, AND KEEP IT CAREFULLY.
This product is intended for outdoor use only, and must not be used inside a building under any circumstances. This product can be placed inside a building only after having rested for two hours after the last use. We thank you for your business and hope that you will be totally satisfied upon using our product.

14. WARRANTY

We will be happy to receive all of your remarks on our online store web site.

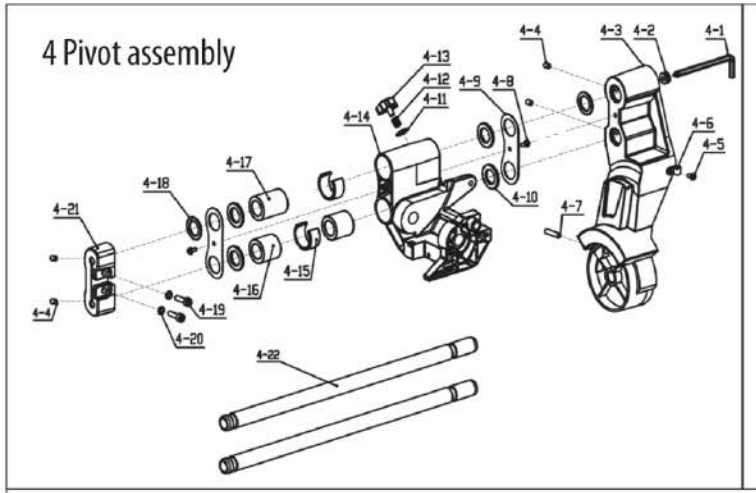
Warranty
Dexter products are designed based on the most rigorous quality standards for products intended for the general public.
The miter saw is covered with a warranty of 5 years starting from the date of purchase. This warranty covers all manufacturing or material defects.
In the event of a breakdown, please refer first to the troubleshooting page (problems and solutions) in the brochure; if the problem persists, please check with the nearest store.
Your store shall spare no effort in resolving the issue.
Repairs and change of parts do not extend the duration of the initial warranty.

Breakdowns resulting from normal wear and tear or from improper use of the product are not covered by the brochure; if the problem persists, please check with the nearest store.
Please note that there are specific warranty terms for certain countries.
In case of doubt, please check with your point of sale.
For claims relating to the the warranty to be taken into account, the following is required:

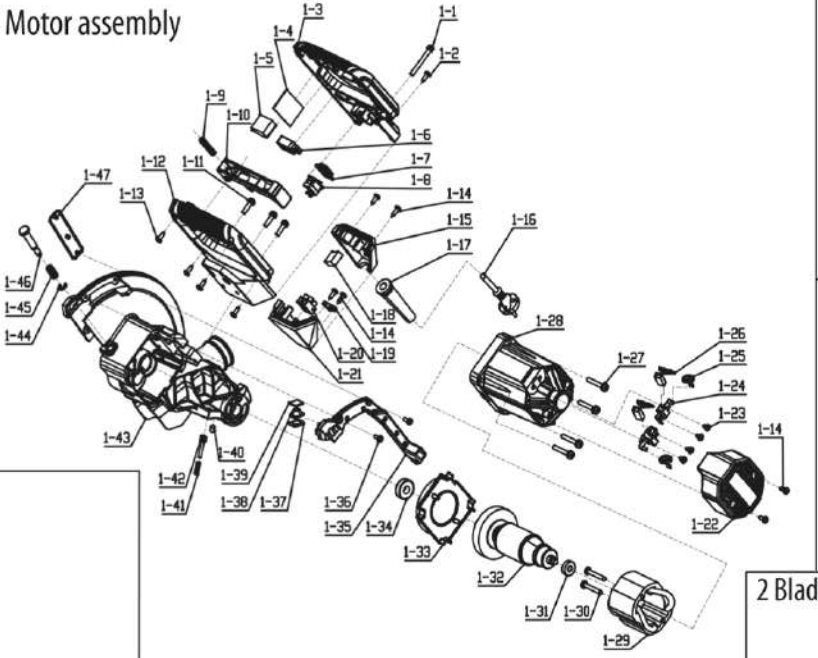
- Providing proof of purchase
- That no repairs and/or change of parts have been performed by a third party.
- That the issue is not a matter of normal wear and tear.
- That required maintenance and repair works have been performed correctly.
- That no deterioration has taken place as a result of incorrect setting of the carburetor.
- That there has been no forcing, improper handling, unauthorised use, or accidents
- That no deterioration has taken place due to overheating, resulting from clogging of the ventilator block.
- That no work has been done on the product by an unskilled person, and no incorrect repairs have been attempted.
- That the tool has never been disassembled or opened.
- That the tool has never been in a wet environmentn (dew, rain, submerged in water...)
- That no incorrect parts have been used, parts not made by DEXTER, whereas they prove to be the cause of deterioration
- That the tool has not been used improperly (overloading the tool, or use of non-approved accessories).
- That no damage has resulted from external causes, or foreign bodies such as sand or stones.
- That no damage has resulted from non-compliance with safety recommendations and use instructions.

The product must be used under normal usage circumstances, and for non-professional purposes. Therefore,excluded from this warranty are products used by landscaping companies, local authorities, as well as companies offering paid rentals or free loaning of equipment.

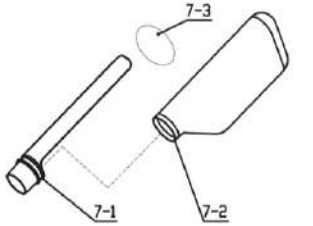
4 Pivot assembly



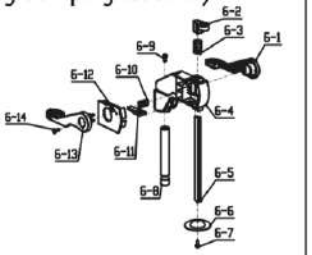
1 Motor assembly



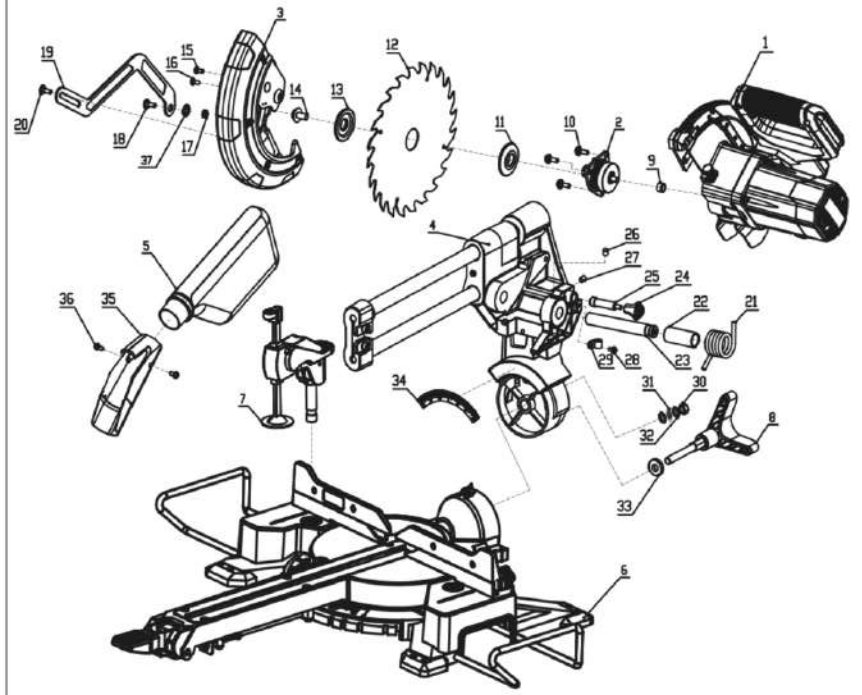
7 Dust collection bag group



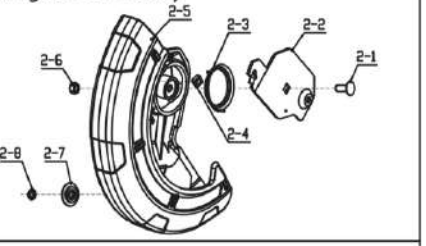
6 Working clamping assembly



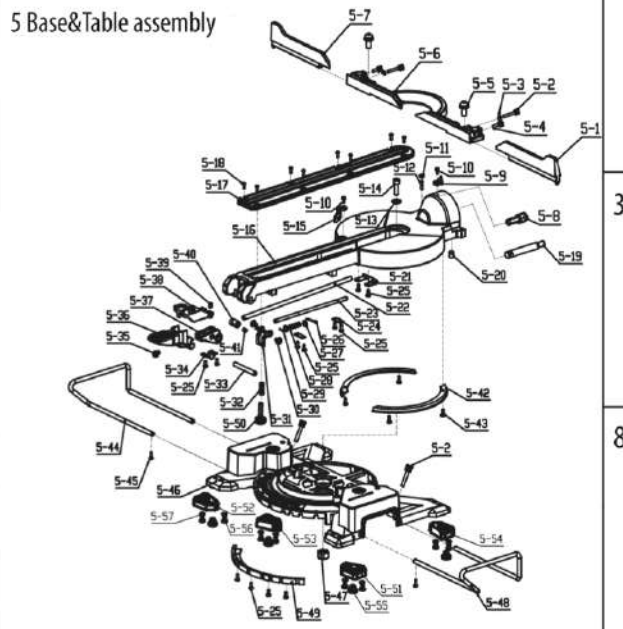
Final Assembly



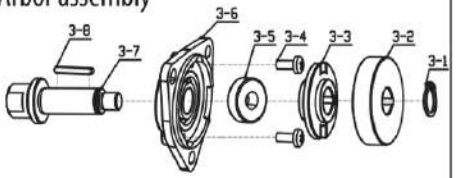
2 Blade guard assembly



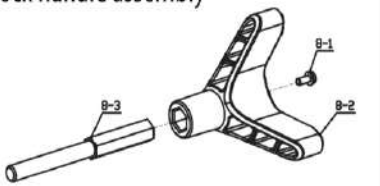
5 Base&Table assembly



3 Arbor assembly



8 Bevel lock handle assembly



No	Part name	Spec & Material	Qty		No	Part name	Spec & Material	Qty
Final Assembly					1-15	AC interface of upper handle	PA6-GF30	1
1	Motor assembly		1		1-16	Power cord	PVC	1
2	Arbor assembly		1		1-17	Cable sheath	PVC	1
3	Blade guard assembly		1		1-18	capacitance	0.22 μF	1
4	Crank arm & sliding rail Assembly		1		1-19	Cord press plate	PA6	1
5	Dust bag assembly		1		1-20	Terminal	PA6	1
6	Base&Table assembly		1		1-21	Lower handle AC interface	PA6-GF30	1
7	Work clamping assembly		1		1-22	Motor end cap	PA6	1
8	Bevle lock handle assembly		1		1-23	Self-tapping screws	ST4x10	4
9	HK0808 bearing	HK0808	1		1-24	Carbon brush holder		2
10	Cross head Combination screws (Screws and spring washers)	M4x16	3		1-25	Carbon brusch spring	65Mn	2
11	Inner flange	S20C	1		1-26	Carbon brush		2
12	Saw blade	216×2.2X30 48T	1		1-27	Cross head Combination screws (triple combination)	M5x35	4
13	Outter flange	S20C	1		1-28	Motor house	PA6	1
14	Socket screws	M8 (L)X16	1		1-29	Stator	φ72x50	1
15	Plum groove anti-theft screws	M5×10	1		1-30	Self-tapping screws	ST4.2x60	2
16	Cross recessed cylindrical head screws	M5×12	1		1-31	Bearing	608-2Z	1
17	Lock nut	M6	1		1-32	Armture		1
18	eccentric screws	M6x16	1		1-33	Baffle	PA6	1
19	Linkage	Q235	1		1-34	Bearing	6000-2S	1
20	Cross recessed shaft screw	M5x14	1		1-35	LED Cover	PA6	1
21	Spring	65Mn	1		1-36	Cross head screws	M4x10	3
22	Pivot shaft	PA6-GF30	1		1-37	Lamp cover	PC	1
23	Spring sleeve	S20C	1		1-38	lamp shade	ABS	1
24	Locking pin cap	PA6	1		1-39	LED lamp		1
25	Lock pin	S45C	1		1-40	Set screws	M6x16	1
26	Set screws	M6x10	1		1-41	Compression spring	65Mn	1
27	Set screw	M5X10	1		1-42	Knob M6x33	PA6+S20C	1
28	Cross head screws	M4x10	1		1-43	Upper blade guard	ADC12	1
29	Cord clip	PA6	1		1-44	E-ring	φ6	1
30	Lock nut	M12	1		1-45	spring	65Mn	1
31	Wave washer	φ12.7Xφ22X0.3	1		1-46	Lock pin	S45C	1
32	Washer	φ12xφ22x1.5	2		1-47	Brand plate	ABS	1
33	Washer	φ10xφ25x5	1		**Blade guard assembly**			
34	Bevel scale	PVC	1		2-1	carriage bolts	M6X16	1
35	Dust port	PP+TPE	1		2-2	Blade guard support	Q235	1
36	Self-tapping screws	ST4.2x10	2		2-3	torsion spring	65Mn	1
37	Wave washer	φ10	1		2-4	Hex nut	M5	1
Motor assembly					2-5	Lower blade guard	PC	1
1-1	Cross head Combination screws (triple combination)	M5x50	1		2-6	Lock nut	M6	1
1-2	Self-tapping screws	ST4.2x16	1		2-7	Wheel	PVC	1
1-3	Upper handle	PA6-GF30+TPE	1		2-8	Washer	φ5	1
1-4	transformer		1		**Arbor assembly**			
1-5	Soft start		1		3-1	C-ring	φ12	1
1-6	switch		1		3-2	Gear	20CrMO	1
1-7	LED switch cover		1		3-3	Stop plate		1
1-8	LED switch		1		3-4	Cross head screws	M4x10	2
1-9	Spring	65Mn	1		3-5	Bearing	6001-2S	1
1-10	Switch lever unit	ABS	1		3-6	Gear box cover	ADC12	1
1-11	Cross head Combination screws (triple combination)	M5x16	3		3-7	Arbor	40Cr	1
1-12	Lower handle	PA6-GF30+TPE	1		3-8	Flat key	3x3x20	1
1-13	Self-tapping screws	ST4.2x16	4		**Pivot assembly**			
1-14	Self-tapping screws	ST4.2x13	6		4-1	Wrench	6x120	1

No	Part name	Spec & Material	Qty		No	Part name	Spec & Material	Qty
4-2	Overcoil	PVC	1		5-30	axial position screw	M5	2
4-3	Arm	ADC12	1		5-31	Rocker	65Mn	1
4-4	Set screws	M6x8	4		5-32	compression spring	65Mn	1
4-5	Cross head screws	M4x10	1		5-33	Cylindrical pin	8x68	1
4-6	Cord clip	PA6	1		5-34	Key pressing plate	65Mn	1
4-7	Set screws	M8x30	1		5-35	Cross head screws	M6X14	1
4-8	Cross head screws	M4x10	2		5-36	Locking handle	PA6-GF30	1
4-9	Linear bearing cover	Q235	2		5-37	Clamping block	ADC12	1
4-10	Felt Washer	φ19.5xφ32x3	4		5-38	Key	PA6-GF30	1
4-11	Washer	φ6.2Xφ17X1.2	1		5-39	Key spring		1
4-12	Spring	65Mn	1		5-40	Adjustment block	S20C	1
4-13	Knob	M6X33	1		5-41	Set screws	M6x6	1
4-14	Bracket	ADC12	1		5-42	Glide plate	PA6-GF30	2
4-15	Linear bearing spacer	PA6	2		5-43	Cross head Combination screws (triple combination)	M4x10	4
4-16	Linear bearing	φ32Xφ20X30	2		5-44	left extension rod	Q235	1
4-17	Linear bearing spacer	φ32Xφ20X60	1		5-45	Self-tapping screws	M4x10	2
4-18	Rubber ring	φ20xφ30x2	2		5-46	Base	ADC12	1
4-19	Socket screws	M6x20	2		5-47	Lock nut	M8	1
4-20	Spring washer	φ6	2		5-48	right extension rod	Q235	1
4-21	Sliding end cap	ADC12	1		5-49	Angle positioning seat	PA6-GF30	1
4-22	Sliding bar	S45C	2		5-50	Workbench support foot		1
Base&Table assembly					5-51	Connect Foot Pads A	PA6-GF30	1
5-1	right sliding fence	ADC12	1		5-52	Connect Foot Pads B	PA6-GF30	1
5-2	Knob M6X33	PA6	4		5-53	Connect Foot Pads C	PA6-GF30	1
5-3	E-ring	φ6	2		5-54	Connect Foot Pads D	PA6-GF30	1
5-4	Knob M6x10	PA6	2		5-55	Rubber feet	PVC	4
5-5	Half round head hexagon socket screw (triple combination)	M8x25	2		5-56	Cross head screws	M6X12	8
5-6	Fence	ADC12	1		5-57	Spring washer	ϕ6	8
5-7	left sliding fence	ADC12	1		**Working clamping assembly**			
5-8	Angle setting screws	M6x20	1		6-1	Right lock handle	PA6-GF30	1
5-9	Bevel pointer	ABS	1		6-2	End cap	PA6-GF30	1
5-10	Cross head Combination screws (triple combination)	M4x10	2		6-3	Spring	65Mn	1
5-11	Hex nut	M6	1		6-4	Clamp arm	PA6-GF30	1
5-12	Set screws	M6x25	1		6-5	Supprot bar	Q235	1
5-13	Base flat pad	8x22X1.2	1		6-6	Clamp plate	Q235	1
5-14	Socket screws	M8x25	1		6-7	Cross head Combination screws (triple combination)	M4X12	1
5-15	Miter pointer	ABS	1		6-8	Support pole	ϕ16X113	1
5-16	Table	ADC12	1		6-9	Cross head Combination screws (triple combination)	M5X16	1
5-17	Table insert	ABS	1		6-10	Compression spring	65Mn	1
5-18	Cross head screws	M4x10	8		6-11	Connection block	Q235	1
5-19	Bevel shaft	S20C	1		6-12	End cap	PA6-GF30	1
5-20	Set screws	M6x10	1		6-13	Left lock handle	PA6-GF30	1
5-21	Locking tab	65Mn	1		6-14	Self-tapping screws	ST4.2X13	1
5-22	Angle locking rod	S20C	1		**Dust collection bag group**			
5-23	Locating rod	S20C	1		7-1	Dust collecting rack	pp	1
5-24	Positioning rod press plate	SK5	2		7-2	Dust collecting bag		1
5-25	Cross head Combination screws (Screws and washers)	M4x12	12		7-3	Bandage		1
5-26	Latch	2x10	1		**Bevel lock handle assembly**			
5-27	Flat gasket	6x12x1.6	2		8-1	Cross head Combination screws (triple combination)	M4x14	1
5-28	Angle positioning block spring	65Mn	1		8-2	Bevel clamping knob	PA6-GF30	1
5-29	Elastic pin	3x18	1		8-3	Hex bolt	S20C	1

EU Declaration of Conformity

Manfacturer and Authorised Representative

Nexus Brand Solutions LTD
6 Fitzhamon Court, Milton Keynes
MK12 6LB

Country of origin:	China
Description:	216mm(8.5") Sliding Mitre Saw
SKU Code:	31708
Model No.:	ECJ1GZP17K216A
Date of Issue:	15-02-2025

Regulations and Directives of Compliance

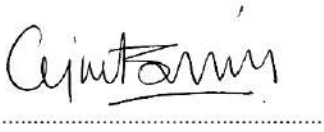
- EN IEC 55014-1:2021
- EN IEC 55014-2:2021
- EN IEC 61000-3-2:2019+A1
- EN 61000-3-3:2013+A1+A2
- EN 62841-1:2015+A11
- EN IEC 62841-3-9:2020+A11

Statement of Declaration

We the importer and authorised representative of the product described confirm conformity within the provisions of applicable regulations and directives listed within this document.

Signed on Behalf of Nexus Brand Solutions Ltd

Place of Issue:	Nexus Brand Solutions Ltd
Signatory Name:	Rajneet Singh Sur
Position:	Managing Director



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EXCEL

MANUFACTURED BY:

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