



2x18V DELIVERS 36V OF POWER

Ø210MM SLIDING COMPOUND MITRE SAW

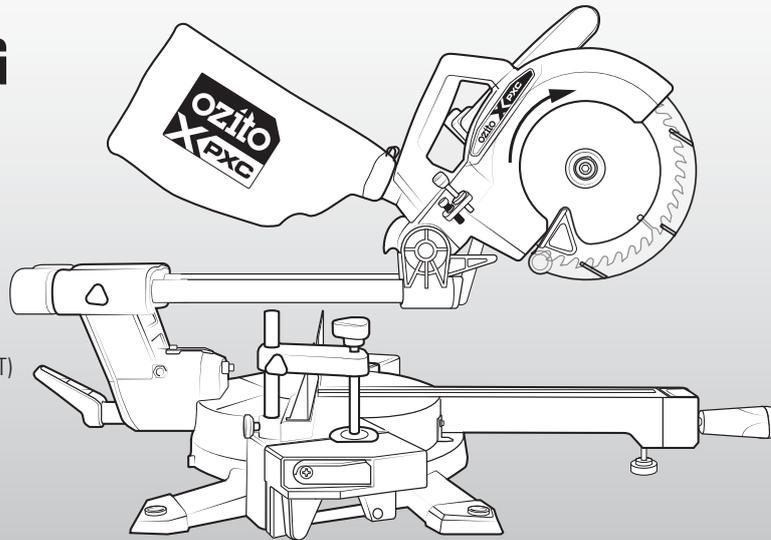
INSTRUCTION MANUAL

SPECIFICATIONS

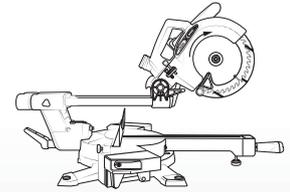
Input:	2 x 18V
No Load Speed:	3,800/min
Blade:	Ø210 x Ø30 x 1.8mm (40T)
Mitre Angle:	0-45° Left & Right
Bevel Angle:	0-45° Left
Cutting Capacity:	
Mitre 0° x Bevel 0°:	65 x 310mm
Mitre 45° x Bevel 0°:	65 x 210mm
Mitre 0° x Bevel 45°:	35 x 310mm
Mitre 45° x Bevel 45°:	35 x 210mm;
Weight:	12.5kg

ozito.com.au

5 YEAR
REPLACEMENT WARRANTY



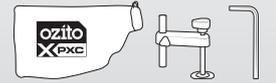
STANDARD EQUIPMENT



Ø210mm Sliding Compound Mitre Saw



2 x Extension Tables, Table Handle & Carry Handle



Dust Bag, Material Clamp & Combination Key

PXSMSS-036

WARRANTY

IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO YOUR NEAREST BUNNINGS WAREHOUSE WITH YOUR BUNNINGS REGISTER RECEIPT. PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:

Australia 1800 069 486
New Zealand 0508 069 486

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

WARNING

The following actions will result in the warranty being void.

- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- Failure to perform maintenance as set out within the instruction manual.
- If the tool is disassembled or tampered with in any way.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you at law.

Our goods come with guarantees that cannot be excluded at law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Generally you will be responsible for all costs associated with a claim under this warranty, however, where you have suffered any additional direct loss as a result of a defective product you may be able to claim such expenses by contacting our customer service helpline above.

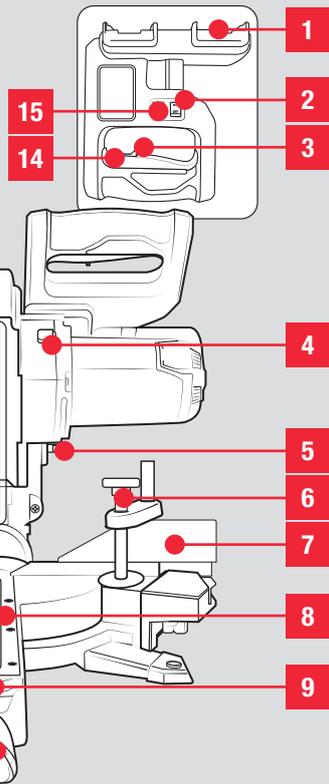
5 YEAR REPLACEMENT WARRANTY

Your Product is guaranteed for a period of 60 months from the original date of purchase and is intended for DIY (Do It Yourself) use only. If a product is defective it will be replaced in accordance with the terms of this warranty. **Lithium Ion batteries and chargers are covered by a 36 month warranty** and are excluded from the warranty extension. Warranty excludes consumable parts.

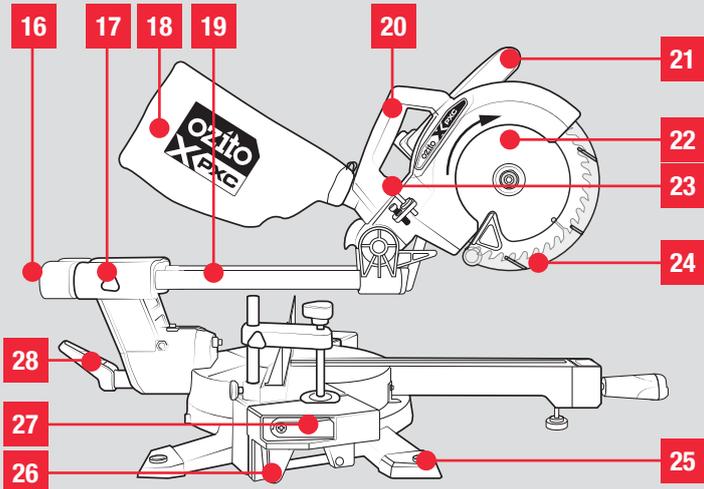
KNOW YOUR PRODUCT

CORDLESS SLIDING MITRE SAW

1. Battery Seating
2. Laser On/Off Switch
3. Lock-Off Lever
4. Spindle Lock Button
5. Lock Down Pin
6. Material Clamp
7. Fence
8. Table Insert
9. Table Lock
10. Table Handle
11. Mitre Angle Pointer
12. Mitre Table
13. Worklight & Laser
14. On/Off Trigger
15. Worklight On/Off Switch



16. Combination Key Storage
17. Slide Lock
18. Dust Bag
19. Slide Bar
20. Carry Handle
21. Cutting Handle
22. Saw Blade
23. Trenching Depth Screw
24. Retractable Blade Guard
25. Mounting Point
26. Extension Table Handle
27. Material Stop
28. Bevel lock



BATTERY & CHARGER

This tool is compatible with all batteries & chargers from the Ozito PXC range. For optimal performance, we recommend the use of a 3.0Ah batteries or higher to operate this PXC Mitre Saw.

ONLINE MANUAL

Scan this QR Code with your mobile device to take you to the online manual.



SETUP & PREPARATION

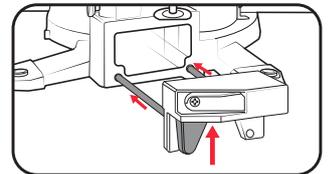
1. ASSEMBLY

WARNING! ENSURE THE TOOL IS TURNED OFF AND DISCONNECTED FROM THE POWER SUPPLY BEFORE PERFORMING ANY OF THE FOLLOWING OPERATIONS.

Note: The combination key is located inside the slot on the slide bar at the back of the unit, and can be used for assembly. Make sure the correct extension table is used for left & right sides respectively. Ensure the extension tables are installed correctly, and always use the extension tables during operation.

1. Remove the screw from the bar of the extension table.

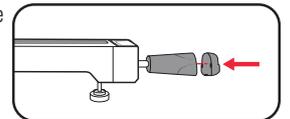
2. Press and hold the lever located inside the extension table handle and slide the bars into the slots on the unit. The notched bar should be inserted through the bracket on the underside of the unit.



3. Replace and tighten the screw.

4. Repeat steps 1, 2 & 3 for the other extension table.

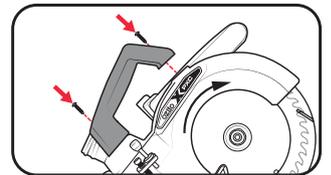
5. Align the table handle with the bar on the mitre table and screw it into place.



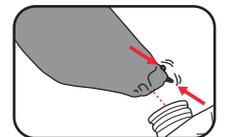
6. Press the end cap into the table handle.

7. Remove the screws on the top of the unit.

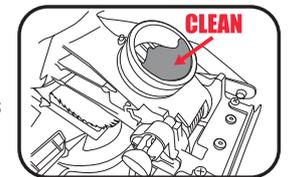
8. Align the holes in the carry handle with the screw holes and then replace the screws to attach the carry handle.



9. Squeeze the clamp at the end of the dust bag and place it over the dust extraction port.



Note: The dust extraction port can block easily with dust and requires to be periodically cleaned. For more efficient operation, empty the dust bag when it is no more than half full. This allows better air flow through the bag. Dust bags will not collect all the saw dust generated by the mitre saw. For best results a dust extractor should be used in place of the dust bag.



9. Hold down the cutting head and pull the lock down pin to release the cutting head from its transport position.

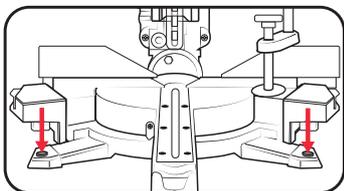


5 YEAR
REPLACEMENT WARRANTY

2. ADJUSTMENTS

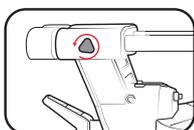
Securing The Mitre Saw

The base of the saw has four mounting holes (1 in each corner) that can be used to mount it to a workbench or mitre saw stand. Use four bolts (not included) to secure it in place. Ensure that the mitre saw is always stable and secure during use.



Slide Lock

When cutting a narrow piece of wood it is not necessary to use the slide mechanism. In these circumstances, push back the cutting head and ensure the slide lock is tight to prevent the cutting head from sliding.

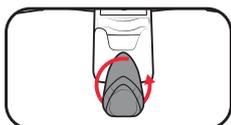


Mitre Angle Adjustments

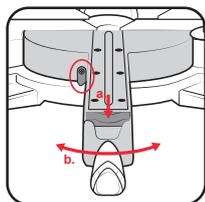
WARNING! ENSURE THE MITRE TABLE LOCK AND THE BEVEL LOCK ARE TIGHT BEFORE MAKING A CUT. FAILURE TO DO SO MAY RESULT IN THE MITRE TABLE OR THE CUTTING HEAD MOVING DURING OPERATION & CAUSE SERIOUS PERSONAL INJURY.

WARNING! ENSURE THE FENCE AND MATERIAL CLAMP ARE ADJUSTED FOR BLADE CLEARANCE BEFORE MAKING A CUT.

1. Loosen the table handle by rotating it anti-clockwise.



2. Push down and hold the table lock button, then shift the mitre table to the desired mitre angle (left or right) as shown by the mitre angle pointer.



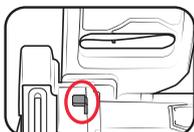
Note: The mitre table features positive click stops at 0°, 15°, 22.5°, 31.6° and 45° for quick setting of common mitre angles.

3. Tighten mitre table lock at selected angle.

Spindle Lock

WARNING! NEVER PRESS WHEN BLADE IS ROTATING.

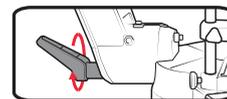
The spindle lock prevents the blade in the saw from rotating. Depress and hold the spindle lock while installing, changing, or removing the blade.



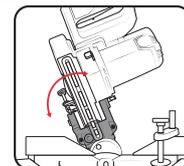
Bevel Angle Adjustment

WARNING! MOVE THE MATERIAL CLAMP TO THE OPPOSITE SIDE OF THE BEVEL DIRECTION. THIS ALLOWS THE CUTTING HEAD TO TILT THE FULL 45°.

1. Loosen the bevel lock.



2. Tilt the cutting head leftward to the desired bevel angle.

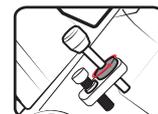


3. Tighten the bevel lock to lock the angle in place.

Trenching

Trenching refers to restricting the depth of cut and permits a "trench" to be cut in the workpiece.

1. Ensure the cutting head is raised and the nut on the trenching depth screw is loosened.

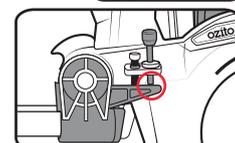


2. Adjust the trenching depth screw to the desired depth.



Note: It is recommended to test the depth set is correct on a scrap piece of wood.

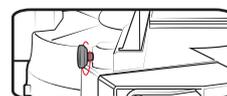
3. To check that the blade stops at the desired position, lower the cutting head until the trenching stop adjustment screw touches the trenching stop.



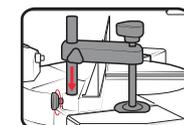
4. When the correct depth is set, tighten the nut to lock the position.

Material Clamp

1. Loosen the clamp locking knobs and insert the shaft into the hole.



2. Adjust the material clamp into the desired location and tighten all locking knobs.



3. The large screw can be lowered onto the timber workpiece in order to secure the workpiece while performing a cut.

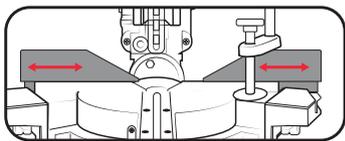
Note: The clamp can be mounted on either side of the blade. When performing bevel cuts, the work clamp must be on the opposite side of the bevel.

WARNING! ENSURE THE MATERIAL IS SECURELY CLAMPED BEFORE MAKING ANY CUTS. FAILURE TO SECURE THE MATERIAL MAY CAUSE THE WORKPIECE TO FLY OFF AND CAUSE PERSONAL INJURY. MINIMUM WORKPIECE LENGTH: 160MM.

Fence

The fence holds the workpiece in a fixed position while the table and/or the blade assembly are adjusted in a mitre or bevel angle. To make accurate cuts, the fence must be perpendicular (at a 90° angle) to the saw blade.

Make sure that no part of the tool contacts the fence when bevel or compound mitre cutting. Always make a dry run with the saw turned off and check clearance.

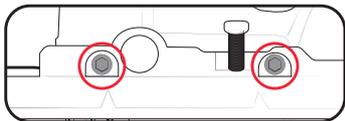


Note: Tighten the fence lock before making a cut.

The fence may become misaligned over time, so always perform a test cut on a scrap piece of material beforehand. Follow the steps below to re-align the fence.



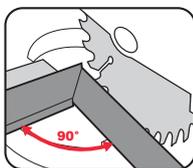
1. With the batteries unplugged, set the mitre and bevel angles to 0° and loosen the 4 screws on the top of the fence.



2. Lower the cutting head and hold it in place using the lock down pin.

3. Undo the slide lock, push the cutting head all the way to the back and tighten the slide lock.

4. Hold a set square against the blade and adjust the fence till it lines up against the square.



Note: The square must contact the blade, not the teeth, for an accurate reading.

5. Tighten the fence screws to lock it in place.

Laser Guide



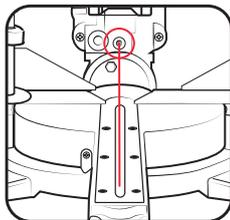
WARNING! DO NOT STARE DIRECTLY AT THE LASER BEAM.

A laser line is projected onto the material you wish to cut, providing an exact guide for the cut.

1. To switch the laser guide on, press the laser guide switch to the on position.



2. To switch the laser guide off, press the laser guide switch to the OFF position.



Note: Ensure that the laser guide is switched off when the saw is not in use. Ensure that the laser is cleaned after every use or the laser guide will not be visible.

Worklight

The inbuilt worklight can also be switched on to provide more light during use.



1. Press the light switch to the on position to switch it on.

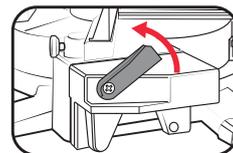
2. Press the switch into the OFF position to turn it off.

Note: Ensure that the light is cleaned after every use.

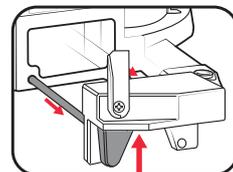
Adjusting The Extension Supports & Material Stops

The extension supports feature a material stop that can be raised in order to contact the end of the workpiece. This feature is used to quickly position material enabling you to cut multiple pieces at the same length.

1. Raise the material stop upwards.

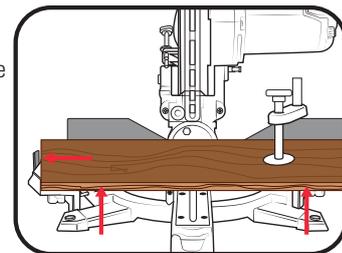


2. Adjust the extension support to the desired distance away from the blade. Press and hold the extension table handle, then slide the extension table to the desired length.



3. Release the handle to lock it in place.

4. Place the workpiece flat on the mitre table with one edge securely against the fence and the other edge against the material stop.

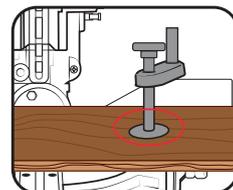


Note: If the workpiece is warped, ensure the concave (curves inward) side is against the fence.



WARNING! ADEQUATE SUPPORT SUCH AS TABLE EXTENSIONS, SAW HORSES, ETC. MUST BE USED FOR A WORKPIECE THAT IS WIDER OR LONGER THAN THE TABLE TOP. FAILURE TO DO SO MAY LEAD TO INJURY OR DAMAGE TO THE TOOL.

It is extremely important to always secure the workpiece properly and tightly with the material clamp.



WARNING! ENSURE THE FENCE AND MATERIAL CLAMP ARE ADJUSTED FOR BLADE CLEARANCE BEFORE MAKING A CUT.

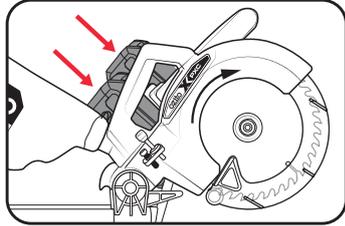
OPERATION

3. CONTROLS

Installing The Battery Pack

1. Slide the batteries into the battery seatings until they click into place.

Note: Always use batteries with the same amp-hour (Ah) rating and an equal amount of charge.

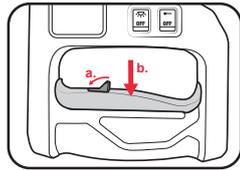


2. Hold down the battery release button and then slide the battery out.

Turning The Saw On

The safety lock-off lever prevents the saw from accidental start ups by stopping the trigger from being activated.

1. To turn the mitre saw on, flick and hold the lock-off lever and then squeeze the trigger switch.



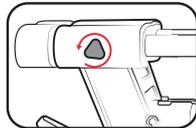
WARNING! WHEN OPERATING THE SAW, USE SAFETY EQUIPMENT INCLUDING SAFETY GOGGLES OR SHIELD, EAR PROTECTION, DUST MASK AND PROTECTIVE CLOTHING. KEEP HANDS AWAY FROM MOVING PARTS.

2. To turn the mitre saw off, release the trigger switch.

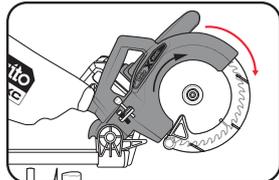
Note: Before performing a cut, ensure the blade is at full speed. Failure to do this may cause the blade to become blunt and cause the blade to lock-up.

Slide Action

When cutting wide pieces of wood, ensure the slide lock is loose. The slide lock can be used when the workpiece is wider than 100mm.

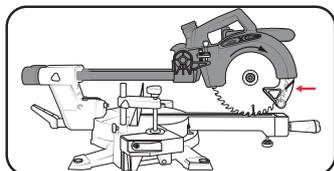


1. First pull carriage fully forwards, then press the handle down.



Note: The lower blade guard automatically retracts as the blade is lowered to perform a cut.

2. Push carriage toward the fence.



4. TYPES OF CUTS

WARNING! DO NOT USE THE MITRE SAW TO CUT METAL OR MASONRY. THE TOOL IS DESIGNED TO CUT WOOD, WOOD-TYPE MATERIALS & PLASTICS.

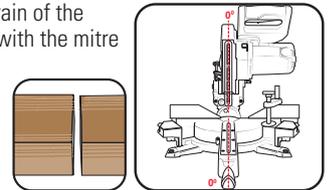
WARNING! ENSURE THE MITRE TABLE LOCK AND THE BEVEL LOCK ARE TIGHT BEFORE MAKING A CUT. FAILURE TO DO SO MAY RESULT IN THE MITRE TABLE OR THE CUTTING HEAD MOVING DURING OPERATION & CAUSE SERIOUS PERSONAL INJURY.

WARNING! ALWAYS KEEP YOUR HAND AT LEAST 100MM FROM EITHER SIDE OF THE SAW BLADE. 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.

Straight Cutting

A straight cut is made by cutting the grain of the workpiece. A 90° straight cut is made with the mitre scale set in the 0°.

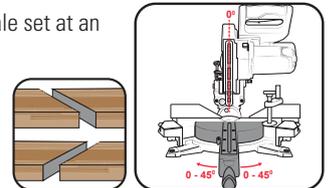
Cutting capacity: Mitre 0° x Bevel 0°: 65 x 310mm



Mitre Cuts

Mitre cuts are made with the mitre scale set at an angle other than 0°.

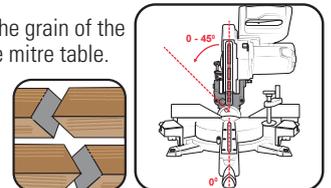
Cutting capacity: Mitre 45° x Bevel 0°: 65 x 210mm



Bevel Cutting

A bevel cut is made by cutting across the grain of the workpiece with the blade angled to the mitre table.

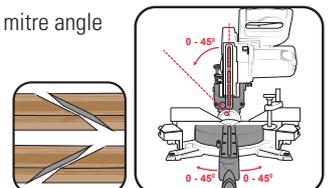
Cutting capacity: Mitre 0° x Bevel 45°: 35 x 310mm



Compound Mitre Cuts

A compound mitre cut involves using a mitre angle and a bevel angle at the same time.

Cutting capacity: Mitre 45° x Bevel 45°: 35 x 210mm



Note: The internal springs will automatically lift the cutting head. Avoid uncontrolled release of the cutting head after cutting, allow the cutting head to rise slowly.

TROUBLESHOOTING

Symptom	Possible Cause	Suggested Solution
Mitre saw will not start.	Batteries out of charge.	Change or recharge batteries.
Mitre saw operates sporadically or at low power.	Batteries out of charge.	Change or recharge batteries.
	Worn or cracked carbon brushes.	Inspect carbon brushes; replace if damaged or worn.
Wood burns at ends of cut.	Dirty blade.	Clean blade using blade cleaner or mineral spirits.
	Material is binding.	Check position of workpiece on table. Material must be flat, flush against fence & supported on ends.
Workpiece frays or chips out.	Finished side is down.	Keep finished side of workpiece up or facing operator.
	Blade chipped or dull.	Check for damaged teeth. Sharpen or replace blade.
	Blade inappropriate for material.	Check blade manufacturer's recommendations for material being cut. For cross cutting hardwood & for precision cuts, use a thin kerf blade with 40 or more teeth.
	Workpiece is unsupported.	Use a thin piece of scrap material, such as 6mm plywood underneath or behind the workpiece to support the edges of the workpiece as it is being cut.
Blade binds, slowing or stopping the saw.	Workpiece is misaligned or the ends are not supported.	Workpiece must be flat on table, flush against the fence & supported on both ends.
	Workpiece is wet, contaminated or inappropriate blade is being used.	Check condition of workpiece & check compatibility of blade to workpiece.
Blade does not cut completely through workpiece.	Depth stop setting in use.	Move depth stop to right to disengage.
	Depth stop set too shallow.	Adjust depth stop bolt for desired depth of cut.
Laser is not visible	Laser is blocked by dust/foreign particles.	Wipe the laser lens gently with a dry soft cloth. Ensure the unit is switched off before doing so. Do not stare directly into the laser. Always check the laser on a workpiece.



WARNING! ENSURE THE TOOL IS SWITCHED OFF AND THE BATTERY IS REMOVED BEFORE PERFORMING ANY OF THE FOLLOWING TASKS.

Carbon Brushes

When the carbon brushes wear out, the mitre saw will spark and/or stop. Discontinue use as soon as this happens. They should be replaced prior to recommencing use of the mitre saw. Carbon brushes are a wearing component of the mitre saw therefore not covered under warranty. Continuing to use the mitre saw when carbon brushes need to be replaced may cause permanent damage to the mitre saw. Carbon brushes will wear out after many uses but when the carbon brushes need to be replaced, take the mitre saw to an electrician or a power tool repairer for a quick and low cost replacement. Always replace both carbon brushes at the same time.

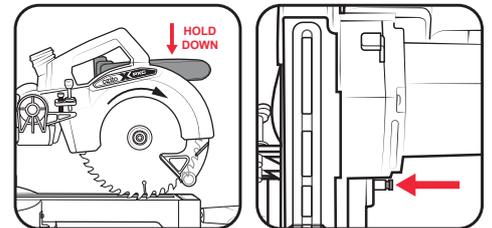
Note: A small amount of sparking may be visible through the housing vents. This is normal and does not indicate a problem.

Slide Bar

Periodically apply WD40 or rust prevention oil to the metal slide bar. This is especially important if the tool is left in storage for long periods of time.

Transportation

The lock down pin holds the cutting head down whilst transporting or storing the mitre saw. Tighten the slide lock during transportation.



Before transporting, ensure that the mitre table, slide bar and bevel angle are locked. Use the carry handle for transportation.

Note: The saw must never be used with the lock down pin locking the head down.

Cleaning

- Keep the ventilation slots of the tool clean at all times to ensure efficient operation.
- After each use, blow air through the tool housing to ensure it is free from all dust, dirt, etc. Build up of dust or dirt particles may cause the tool to overheat and shorten the life of the tool.
- If the housing of the tool requires cleaning, do not use solvents. Use of a cloth only is recommended.
- Never allow any liquid to get inside the tool, never immerse any part of the tool into liquid.

Storage

When not in use, the tool should be stored in a dry, frost free location, keep out of children's reach.

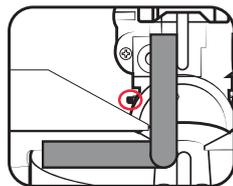
Note: Ozito Industries will not be responsible for any damage or injuries caused by repair of the tool by an unauthorised person or by mishandling.

MAINTENANCE

Calibrating The Cutting Head for Straight Cuts

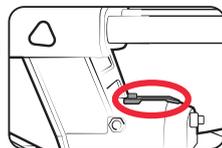
1. Set the mitre table to the 0° position.
2. Loosen the bevel lock and set the cutting head all the way right.

3. Place a set square between the blade and the table surface.



4. Adjust the cut head adjustment screw until the angle between the blade and table equals 90°.

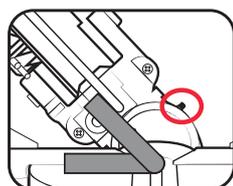
5. Check that the bevel angle pointer is correctly set too. If it isn't, loosen the fastening screw on the pointer and adjust it.



Calibrating The Bevel Angle

1. Set the mitre table to the 0° position.
2. Loosen the bevel lock and set the cutting head all the way left.

3. Place a 45° angle level between the blade and the table surface.



4. Adjust the bevel adjustment screw until the angle between the blade and table equals 45°.

DESCRIPTION OF SYMBOLS

Changing The Blade

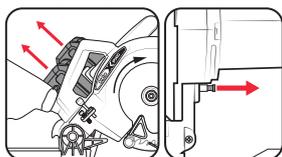
WARNING! NEVER USE A BLADE THAT IS LARGER THAN THE STATED CAPACITY OF THE MITRE SAW. IT MIGHT COME INTO CONTACT WITH THE BLADE GUARD & RISK PERSONAL INJURY OR DAMAGE TO THE MITRE SAW. THIS WILL NOT BE COVERED UNDER WARRANTY.

WARNING! WEAR GLOVES WHEN PERFORMING A BLADE CHANGE OPERATION.

Only use mitre saw blades with maximum speeds equal to or higher than the maximum speed marked on the tool. Only blades with the following dimensions may be used with this tool.

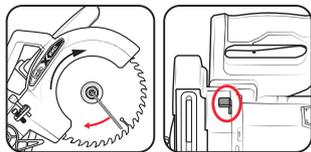
(Diameter) 210 x (bore) 30 x (kerf) 1.8mm

1. Ensure the batteries are removed and the cutting head is raised. If the head lock down pin is locked in place, pull the head lock down pin and gently raise the cutting head.



2. Raise the lower guard out of the way and hold it

3. Place the combination key onto the blade bolt in the centre of the blade.



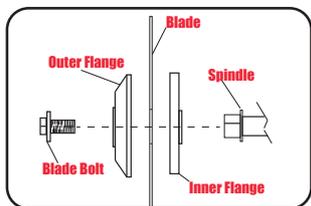
4. Depress the spindle lock button. To ensure it engages correctly, rotate the combination key until the spindle lock clicks into position.

Note: The spindle lock button holds the blade in place when using the combination key to change the blade.

5. Loosen the bolt in the centre of the blade by turning the combination key **clockwise** as the blade bolt is a left hand thread.

Note: Make sure the inner flange stays in place on the spindle.

6. Remove the blade bolt followed by the outer flange. The blade can now be removed by pulling away from the spindle. Put the blade bolt aside ready to use in the reassembly of the new blade.



Note: Use a rubber mallet to tap the blade off if it is stuck on the tool.

7. Install the new blade over the spindle and onto the inner flange.

8. Replace the outer flange by placing the cupped side of the flange against the blade followed by the blade bolt.

9. Place the combination key provided onto the blade bolt in the centre of the blade.

10. Depress the spindle lock button. To ensure it engages correctly, rotate the combination key until the spindle lock clicks into position.

11. Tighten the blade bolt in the centre of the blade by turning the combination key **anti-clockwise** as the blade bolt is a left hand thread.

WARNING! ENSURE THAT THE CORRECT BLADE BUSH THAT MAY BE REQUIRED SUITS THE SPINDLE & BLADES THAT ARE FITTED,

WARNING! ENSURE THE ARROW DIRECTION ON THE BLADE CORRESPONDS WITH THE ARROW ON THE UPPER BLADE GUARD.

WARNING! AFTER EACH BLADE CHANGE, ENSURE THE RETRACTABLE BLADE GUARD OPERATES PROPERLY, AND THE BLADE SPINS FREELY INSIDE THE BLADE GUARD.

V	Volts	mm	Millimetres
	Direct Current	∅	Diameter
/min	Revolutions per minute	n ₀	No load speed
mW	Milliwatts	nm	Nanometres
λ	Wavelength of laser radiation	P ₀	Total variant power of CW laser
	Beware of moving/sliding parts		Slide fence out when bevelling
	Wear gloves		Wear hearing protection
	Wear breathing protection		Wear eye protection
	Keep hands away from blade		Warning
	Laser light radiation		Regulatory Compliance Mark (RCM)
	Read Instruction Manual		Keep hands away from blade

CARING FOR THE ENVIRONMENT



Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

SPARE PARTS

Spare parts can be ordered from the Special Orders Desk at your local Bunnings Warehouse.

For further information, or any parts not listed here, visit www.ozito.com.au or contact Ozito Customer Service:

Australia 1800 069 486

New Zealand 0508 069 486

E-mail: enquiries@ozito.com.au



ELECTRICAL SAFETY



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

- Read the whole manual carefully and make sure you know how to switch the tool off in an emergency, before operating the tool. Save these instructions and other documents supplied with this tool for future reference.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- This appliance is compatible and only to be used with all batteries & chargers from the Ozito PXC range. Refer to the PXC battery and charger manuals for information regarding charging, use and storage.
- **WARNING!** Always remove the battery from the tool:
 - when the batteries are to be charged,
 - when the tool is left unattended,
 - when the tool is being checked, cleaned, or having maintenance work done,
 - when the tool is to be stored,
 - or if the tool vibrates abnormally.
- Do not combine different types of batteries or new and used batteries.
- Do not use modified or damaged batteries.

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

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

2) Electrical safety

- 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.
- 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.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 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.
- 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.
- 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

- 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.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- 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 energising power tools that have the switch on invites accidents.
- 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.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- 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.
- 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.
- 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

- 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.
- 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.
- Disconnect the plug from the power source 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.
- 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.
- 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.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- 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 those intended could result in a hazardous situation.
- 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) Battery tool use and care

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.
- Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6) Service

- 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.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

MITRE SAW SAFETY WARNINGS

- Avoid using power tools for long periods of time without breaks. Vibration from tools can be transmitted into your hands and arms.
- Mitre 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.
- Use clamps to support the workpiece whenever possible. If supporting the workpiece by hand, you must always keep your hand at least 100mm 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.
- The workpiece must be stationary and clamped or held against both the fence and the 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Ensure the mitre saw is mounted or placed on a level, firm work surface before use. A level and firm work surface reduces the risk of the mitre saw becoming unstable.
- Plan your work. Every time you change the bevel or mitre 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.
- 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 mitre saw table can tip if not securely supported. If the cut-off piece or workpiece tips, it can lift the lower guard or be thrown by the spinning blade.
- 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 workpiece to shift during the cutting operation pulling you and the helper into the spinning blade.
- 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.
- 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.
- Let the blade reach full speed before contacting the workpiece. This will reduce the risk of the workpiece being thrown.
- If the workpiece or blade becomes jammed, turn the mitre 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 mitre saw.
- 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.

- 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.
- Always remove the batteries before making any adjustments or maintenance, including changing the blade.
- When operating the saw, use safety equipment including safety goggles or shield, ear protection, dust mask and protective clothing. Keep hands away from moving parts.
- Ensure that there is adequate general or localised lighting. Never saw near combustible liquids or gases. Keep the floor area around the machine level, well maintained and free of loose materials.
- Do not use the saw unless the guards are in place. Periodically check that all nuts, bolts and other fixings are properly tightened.
- Never use a cracked or distorted saw blade. Do not use blades of High Speed Steel (HSS blades).
- If the table insert is damaged or worn, have it replaced by a power tool repairer.
- Do not store materials or equipment above a machine in such a way that they could fall into it.
- Always hold the saw on parts that are insulated. If you accidentally cut into hidden wiring, the metal parts of the saw will become "live". Switch off at the mains and remove the plug and/or remove the battery pack immediately.
- Do not lock the movable guard in the open position and always ensure that it is working properly, freely rotating and returning to fully cover the teeth of the blade. Ensure that the arm is properly secure when bevelling.
- Connect the saw to a dust collection device and ensure that it is operating properly. As the operator of the saw, please make sure that you understand factors that influence exposure to dust, including the type of material to be cut, the importance of local extraction and the proper adjustment of hoods/baffles/chutes of your dust extraction system. We recommend that you always wear a dust mask when operating this saw.
- When cutting long pieces which extend well over the table width, ensure that the ends are adequately supported at the same height as the saw table top. Supports should be positioned in such a way to ensure that the workpiece does not fall to the ground once the cut has been made. A number of supports at regular intervals may be required if the workpiece is extremely long.
- Do not force the tool, allow the blade to cut the workpiece. Failure to do so may overheat the blade, reducing the life of the product. Push the saw through the workpiece. Do not pull the saw through the workpiece.
- Do not remove any cut-offs from the cutting area until the mitre saw head is in the full upright position, the blade guard is fully enclosing the blade and the blade has come to a rest or complete stop. Never use your hands to remove sawdust, chips or waste close by the blade.
- Do not slow or stop a blade with a piece of wood. Let the blade come to rest without assistance. If you are interrupted when operating the saw, complete the process and switch off before looking up.
- Take additional care when trenching (slotting). 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.
- Note the direction of rotation of the motor and the blade. Use correctly sharpened saw blades and observe the maximum speed marked on the blade. Only use saw blades with maximum speeds equal to or higher than the maximum speed marked on the tool. Only use (diameter) 210 x (bore) 30 x (kerf) 1.8mm blades with this saw.
- This saw is only meant for cutting timber & plastics. Do not use the saw to cut metal or masonry. Do not use this saw to cut firewood. Always do a test cut on scrap material beforehand. Avoid cutting nails. Inspect the workpiece and remove all nails and other foreign objects before operating the saw.
- Periodically wipe the laser lens gently with a dry soft cloth. Ensure the unit is switched off before doing so. Do not stare directly into the laser. Always check the laser on a workpiece.
- Never direct the laser beam at reflecting surfaces or persons or animals. Even a low output laser beam can inflict injury on the eye.
- Never open the laser module.
- It is prohibited to carry out any modifications to the laser to increase its power.
- Switch off the laser when not in use.
- The mitre saw can be safely carried by the carrying handle with the batteries removed and the cutting head secured in the locked down position. Saw blades shall be carried in a holder wherever possible.