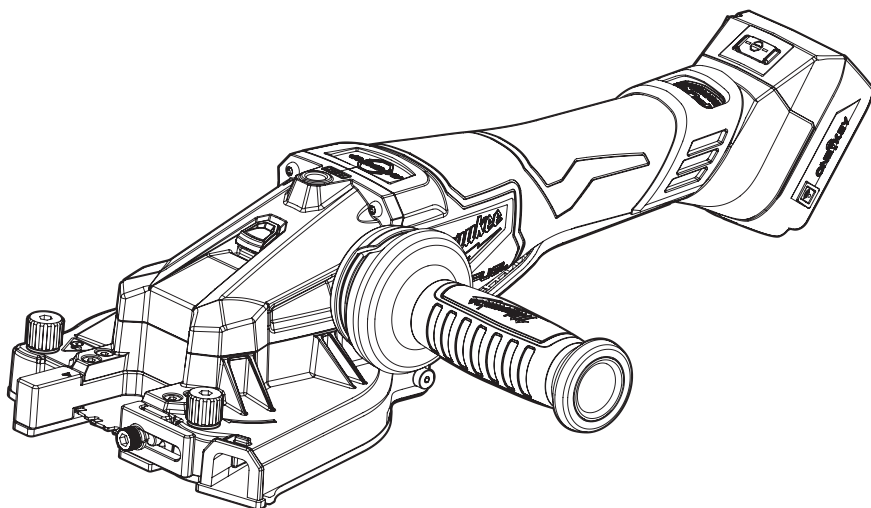




OPERATOR'S MANUAL



Cat. No.

M18 FRBCO32

M18 FUEL™ 32MM REBAR CUTTER W/ ONE-KEY™

WARNING



To reduce the risk of injury, user must read and understand operator's manual.

GENERAL POWER TOOL SAFETY WARNINGS

AWARNING 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.

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.

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 a RCD reduces the risk of electric shock.

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.

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.
- ### **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 behavior 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 (265°F) 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.
- Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle. If both hands are holding the tool, they cannot be cut by the blade.
- Never hold the workpiece in your hands or across your leg while cutting. Secure the workpiece before cutting. It is important to support the work properly to minimise body exposure, kickback, or loss of control.
- Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting tool may contact hidden wiring. Contact with a "live" wire will also make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Do not touch the blade, workpiece, or chips with bare hands immediately after cutting; they may be hot and could burn skin.
- Chip bag (available separately) may be hot after use. Use caution when emptying chip bag.

Kickback causes and related warnings

- Kickback is a sudden reaction to a pinched, jammed or misaligned blade, causing an uncontrolled tool to lift up and out of the workpiece toward the operator;
- When the blade is pinched or jammed tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;
- If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the workpiece causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

- ### 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 authorised service providers.
- ### SPECIFIC SAFETY RULES FOR REBAR CUTTERS
- ⚠WARNING** To reduce the risk of injury, do not convert this power tool to operate in a way which is not specifically designed and specified by the tool manufacturer. Such a conversion may result in a loss of control and cause serious personal injury.
- This tool is designed for cutting rebar. Cutting other materials will shorten the life of the blade and may result in injury.
 - Ensure blade cover is in place. Never operate the tool while blade cover is open.
 - Do not use accessories which are not specifically designed and specified by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.
 - The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.
 - The dimensions of the accessory mounting must fit the dimensions of the mounting hardware of the power tool. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
 - Never use damaged or incorrect mounting hardware. The blade flange and screw were specially designed for your tool, for optimum performance and safety of operation.
 - Do not operate the power tool near flammable materials. Sparks could ignite these materials.

- Maintain a firm grip with both hands on the tool and position your arms to resist kickback forces. Kickback could cause the tool to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.
- When blade is binding, or when interrupting a cut for any reason, release the paddle switch and hold the tool motionless in the material until the blade comes to a complete stop. Never attempt to remove the tool from the work or pull the tool backward while the blade is in motion or kickback may occur. Investigate and take corrective actions to eliminate the cause of blade binding.
- When restarting a tool in the workpiece, center the blade in the kerf so that the teeth are not engaged into the material. If a blade binds, it may walk up or kickback from the workpiece as the tool is restarted.
- Do not use dull or damaged blades. This can produce narrow kerf causing excessive friction, blade binding and kickback.
- Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.

AWARNING To reduce the risk of injury, when working in dusty situations, wear appropriate respiratory protection or use a suitable dust extraction solution.

• **Chemical Burn Hazard.** Keep coin cell battery away from children.

• **If using with a lanyard, do not exceed maximum capacity marked on the lanyard label.** Always determine the weight of the product, with all accessories, when selecting the appropriate lanyard system. Exceeding maximum capacity may result in serious injury. See specifications for tool and battery weight.

• **Use only with MILWAUKEE® energy absorbing lanyards.** Ropes, straps or chains may break and cause failure. Do not use with lanyards at full tension.

• **Always use common sense and be cautious when using tools.** It is not possible to anticipate every situation that could result in a dangerous outcome. Do not use this tool if you do not understand these operating instructions or you feel the work is beyond your capability; contact MILWAUKEE® Tool or a trained professional for additional information or training.

• **Maintain labels and nameplates.** These carry important information. If unreadable or missing, contact a MILWAUKEE® service facility for a replacement.

AWARNING Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paint
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

READ AND SAVE ALL INSTRUCTIONS FOR FUTURE USE

ADDITIONAL BATTERY SAFETY RULES

AWARNING To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

AWARNING Do not charge non-rechargeable batteries.

SPECIFICATIONS

Cat. No.	M18 FRBCO32
Volts.....	18 V DC
Battery Type	M18™
Charger Type.....	M18™
Cutting Capacity.....	32 mm (1-1/4") rebar
No-Load RPM	2,000
Weight (Tool-Only)	3.2 kg
Weight (With M18HB12).....	4.5 kg
Recommended Lanyard	MILWAUKEE® 6.8 kg (15lb) 1370 mm Extended Reach Lanyard (48228816)
Replacement Blade Cat.	48404069
Recommended Ambient Operating Temperature.....	-17°C to 51°C

SYMBOLLOGY



Volts



Direct Current

n_0 XXXX min⁻¹ No Load Revolutions per Minute (RPM)



Read Operator's Manual



Keep hands away from cutting area



Tool has RAPIDSTOP™ technology



Tool has CUTBRAKE technology



Match the arrow direction on the blade with the arrow direction on the tool



ONE-KEY™



Wear eye protection.



Wear hearing protection .

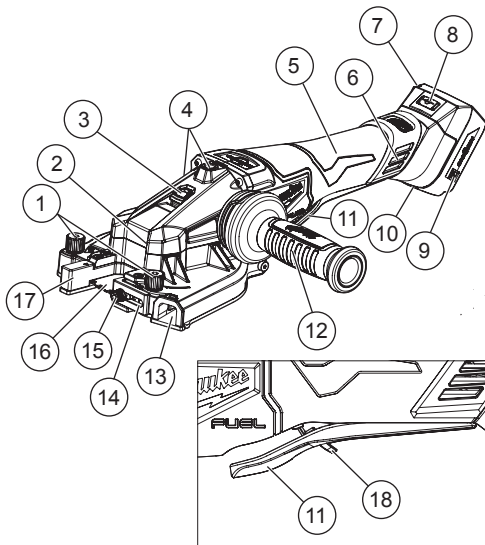


Regulatory Compliance Mark (RCM). This product meets applicable regulatory requirements.



Do not dispose of electric tools together with household waste material. Electric tools and electronic equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

FUNCTIONAL DESCRIPTION



- | | | |
|-----------------------------------|-----------------------------------|--|
| 1. Blade cover screws | 2. Worklight LED (not shown) | 10. Lanyard attachment point (not shown) |
| 3. Spindle lock button | 4. Side handle sockets | 11. Paddle switch |
| 5. Handle | 6. Dust screen (with Cover shown) | 12. Side handle |
| 7. Hex wrench storage (not shown) | 8. CUTBRAKE button | 13. Debris port |
| 9. ONE-KEY™ indicator | 14. Cutting shoe guide | 15. Guide adjustment screw |
| | 16. Blade | 17. Cutting shoe |
| | 18. Lock-off switch | |

ASSEMBLY

⚠ WARNING Recharge only with the charger specified for the battery. For specific charging instructions, read the operator's manual supplied with your charger and battery.

Inserting/Removing the Battery

To **insert** the battery, slide the pack into the body of the tool. Make sure it latches securely into place.

⚠ WARNING Only use accessories specifically recommended for this tool. Others may be hazardous.

To **remove** the battery, push in the release buttons and pull the battery pack away from the tool.

Installing the Side Handle

⚠ WARNING To reduce the risk of injury, always use a side handle when using this tool. Hold securely.

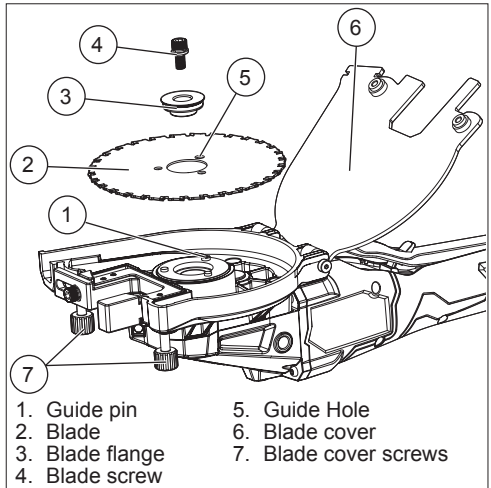
The side handle may be installed on either side of the tool or on the top. Position the side handle in the location which offers best control. To **install**, thread side handle into side handle socket and tighten securely.

Changing the Blade

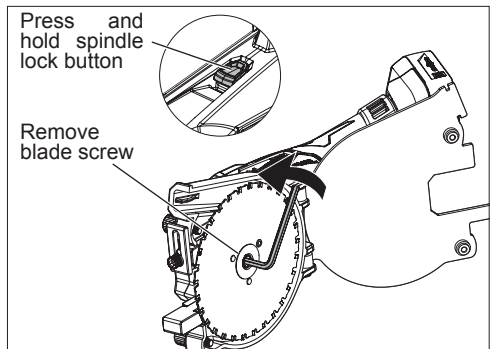
Replace the blade when it becomes damaged, dull or worn.

To **change** the blade:

- ⚠ WARNING** Remove battery to avoid starting the tool. Do not touch the tool blade with bare hands immediately after cutting; it may be hot and could burn skin.
- Use the hex wrench to loosen the two blade cover screws, and open the blade cover.



- Press and hold the spindle lock button to prevent the spindle from rotating, then use the hex wrench to remove the blade screw.



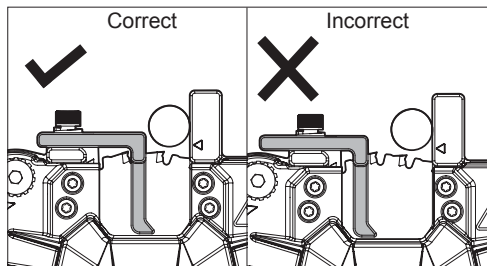
- Remove the blade flange and blade. Discard old blade.
- Align the guide hole of the new blade with the guide pin and install the blade.
NOTE: The guide hole has a white ring around it, and the guide pin has a white dot marking the top. Make sure to match the direction arrow on the blade with the direction arrow on the tool.
- While holding the spindle lock button, install the blade flange and blade screw, and tighten with the hex wrench.
- Close the blade cover and use the hex wrench to tighten the two blade cover screws.

Adjusting Cutting Shoe Guide

The cutting shoe guide should be adjusted to fit the rebar to be cut and reduce chances of kickback. Leave enough space that the rebar can move forward into the blade easily but not side to side.

To **adjust** the guide:

1. **⚠ WARNING** Remove battery to avoid starting the tool.
2. Use hex wrench to loosen the guide adjustment screw.
3. Position the cutting shoe against the rebar to be cut.
4. Slide the cutting shoe guide so that it is almost flush with the rebar.



5. Use hex wrench to tighten the guide adjustment screw.

ONE-KEY™

To learn more about the ONE-KEY™ functionality for this tool, go to www.milwaukee tool.com.au/innovation/one-key/ or www.milwaukee tool.com.nz/innovation/one-key/. To download the ONE-KEY™ app, visit the App Store® or Google Play™ from your smart device.

ONE-KEY™ Indicator

Solid Blue	Wireless mode is active and ready to be configured via the ONE-KEY™ app.
Blinking Blue	Tool is actively communicating with the ONE-KEY™ app.
Blinking Red	Tool is in security lockout and can be unlocked by the owner via the ONE-KEY™ app.

OPERATION

⚠ WARNING To reduce the risk of injury, always wear proper eye protection marked to comply with AS/NZS 1337.1. When working in dusty situations, use a suitable dust extraction solution in accordance with its operating instructions or wear appropriate respiratory protection. Keep hands away from the blade and all moving parts. Always use a side handle when using this tool. Hold securely. Do not operate the power tool near flammable materials. Sparks could ignite these materials.

RAPIDSTOP™

The electric brake engages when the paddle switch is released, causing the blade to stop within seconds. There may be a delay between the time the paddle switch is released and when the brake engages. Occasionally the brake may miss completely. If the brake misses frequently, have the tool serviced by an authorised MILWAUKEE® service facility. Make sure the tool comes to a complete stop before laying it down.

CUTBRAKE

CUTBRAKE will engage the electric brake to stop the tool automatically when the cut is complete (without needing to release the paddle switch). To turn CUTBRAKE on or off, press the CUTBRAKE button. The button will light green to indicate when CUTBRAKE is active.

⚠ WARNING Ensure the tool comes to a complete stop before laying it down.

Starting, Stopping and Controlling Speed

1. To **start** the tool, grasp the handle(s) firmly, push the lock-off switch forward and squeeze the paddle switch.

NOTE: A LED is turned on when the paddle switch is pulled and will go off shortly after the paddle switch is released.

2. To **stop** the tool, release the paddle switch.

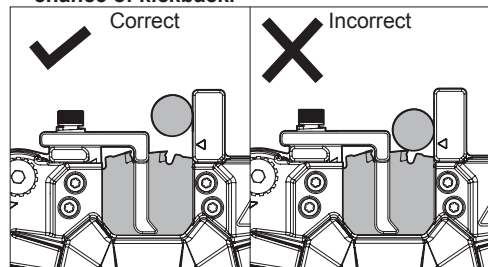
⚠ WARNING Ensure the tool comes to a complete stop before laying it down.

Cutting Rebar

To **cut** rebar:

1. Grasp the handles firmly and align the rebar with the cutting shoe.

⚠ WARNING Rebar must be aligned with the cutting shoe to minimise the chance of kickback.



2. Make sure the blade is not touching the rebar, and start the tool. Allow the blade to reach full speed before cutting the rebar.
3. Slowly push the cutting blade against the rebar. Keep firm pressure on the tool while cutting.
4. Once the rebar has been fully cut through, release the paddle switch to stop the blade.

NOTE: If CUTBRAKE is active, the blade will stop automatically when the cut is finished.

⚠ WARNING Ensure blade has come to a complete stop before laying it down.

MAINTENANCE

⚠WARNING To reduce the risk of injury, always unplug the charger and remove the battery pack from the charger or tool before performing any maintenance. Never disassemble the battery pack, charger, or tool. Contact a **MILWAUKEE®** service facility for ALL repairs.

Maintaining Tool

Keep this tool, battery pack and charger in good repair by adopting a regular maintenance program. Inspect the tool for issues such as undue noise, misalignment or binding of moving parts, breakage of parts, or any other condition that may affect the tool operation. Return the tool, battery pack, and charger to a **MILWAUKEE®** service facility for repair. Depending on use, periodically have an authorized service facility inspect and maintain the tool, battery, and charger to ensure proper performance.

If the tool does not start or operate at full power with a fully charged battery pack, clean the contacts on the battery pack. If the tool still does not work properly, return the tool, charger and battery pack, to a **MILWAUKEE®** service facility for repairs.

ONE-KEY™

⚠WARNING Chemical Burn Hazard. This device contains a lithium button/coin cell battery. A new or used battery can cause severe internal burns and



lead to death in as little as 2 hours if swallowed or enters the body. Always secure the battery cover. If it does not close securely, stop using the device, remove the batteries, and keep it away from children. If you think batteries may have been swallowed or entered the body, seek immediate medical attention.

Internal Coin Cell Battery

An internal coin cell battery is used to facilitate full ONE-KEY™ functionality.

To replace the coin cell battery:

- ⚠WARNING** Remove battery to avoid starting the tool.
- Loosen the screw(s) and open the coin cell battery door.
- Remove the old coin cell battery, keep it away from children, and dispose of it properly.
- Insert the new coin cell battery (3V CR2032), with the positive side facing up.
- Close the battery door and tighten the screw(s) securely.

⚠WARNING To reduce the risk of personal injury and damage, never immerse a tool, battery pack or charger in liquid or allow a liquid to flow inside them.

Cleaning

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

Repairs

For repairs, return the tool, battery pack and charger to the nearest authorised service centre.

ACCESSORIES

⚠WARNING Use only recommended accessories. Others may be hazardous.

For a complete listing of accessories, go online to milwaukeekeetool.com.au / milwaukeekeetool.co.nz or contact an authorised distributor.

WARRANTY - AUSTRALIA and NEW ZEALAND

Please refer to Australian and New Zealand warranty supplied with tool. This warranty applies only to product sold by authorised dealers in Australia and New Zealand.

SERVICE - AUSTRALIA and NEW ZEALAND

MILWAUKEE® prides itself in producing a premium quality product that is Nothing But Heavy Duty™. Your satisfaction with our products is very important to us! If you encounter any problems with the operation of this tool, please contact your authorised **MILWAUKEE®** dealer.

For a list of **MILWAUKEE®** dealers, guarantee or service agents please contact **MILWAUKEE®** Customer Service or visit our website.

(Australia Toll Free Telephone Number 1300 645 928)

(New Zealand Toll Free Telephone Number 0800 645 928)

or visit milwaukeetool.com.au/milwaukeetool.co.nz.

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