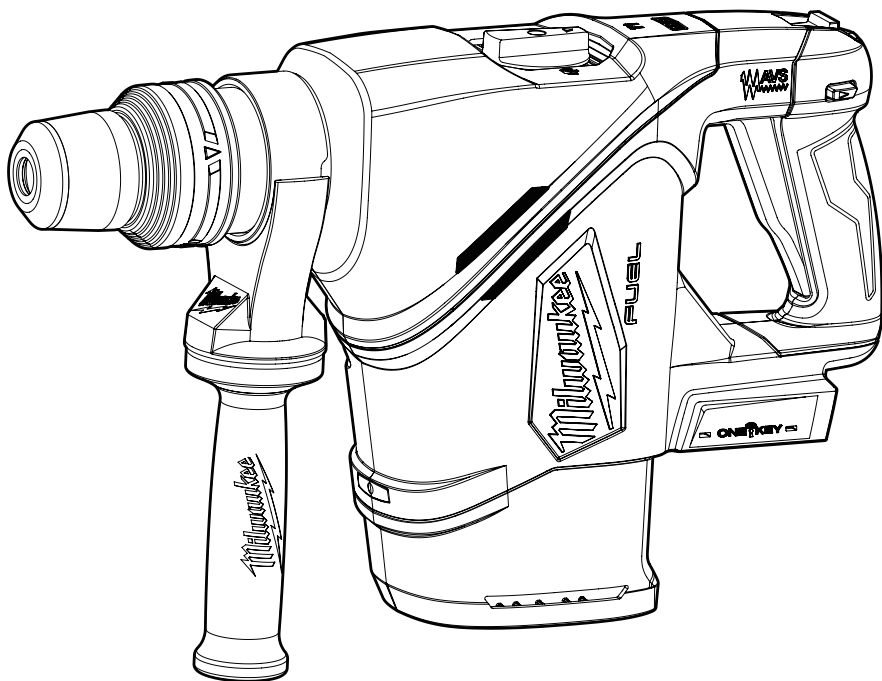




OPERATOR'S MANUAL



Cat. No.
M18 FHACO540



**M18 FUEL™ 40 MM SDS MAX ROTARY HAMMER WITH VACLINK™
AND ONE-KEY™**

WARNING

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

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.

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.

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 ROTARY HAMMERS

Safety instructions for all operations

- Wear ear protectors. Exposure to noise can cause hearing loss.
- Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.
- Brace the tool properly before use. This tool produces a high output torque and without properly bracing the tool during operation, loss of control may occur resulting in personal injury.
- Hold the power tool by insulated gripping surfaces, when performing an operation where the accessory or fasteners may contact hidden wiring. Cutting or fasteners accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

Safety instructions when using long drill bits with rotary hammers:

- Always start drilling at low speed and with the bit tip in contact with the workpiece. At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- Apply pressure only in direct line with the bit and do not apply excessive pressure. Bits can bend, causing breakage or loss of control, resulting in personal injury.
- Keep hands away from all cutting edges and moving parts.
- Cut embedded rebar only if this operation does not affect the integrity of the building. If in doubt, consult a structural engineer. Tool

operator fully responsible for adverse structural effects.

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

- 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.

⚠WARNING 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

⚠WARNING 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.

⚠WARNING Do not charge non-rechargeable batteries.

SPECIFICATIONS

Cat. No.....	M18 FHACO540
Volts.....	18 V DC
Battery Type.....	M18™
Charger Type.....	M18™
No-Load RPM.....	0-488
BPM.....	0-3,300
Type.....	SDS Max
Capacities	
Percussion bit.....	40 mm (1-9/16")
Core bit.....	102 mm (4")
Tunnel bit.....	67 mm (2-5/8")
Recommended Ambient	
Operating Temperature.....	-17°C to 51°C

SYMBOLLOGY



Volts



Direct Current

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

n XXXX min⁻¹ Blows per Minute Under Load (BPM)



Anti-vibration System



Tool has AUTOSTOP™ technology

VACLINK

Tool has VACLINK™ technology



Read operator's manual.



Wear eye and ear protections and dust mask.

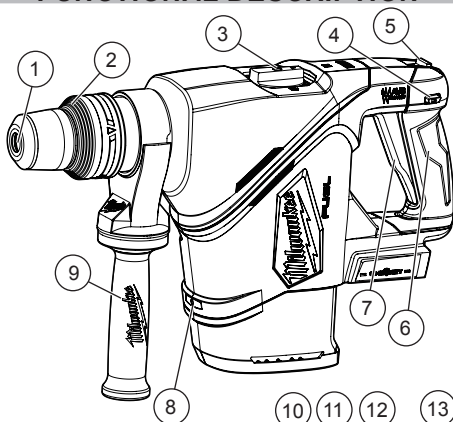


Regulatory Compliance Mark (RCM). This product meets applicable regulatory requirements.



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. SDS Max bit holder
2. Bit release collar
3. Mode selector
4. Control switch
5. Chisel lock
6. Handle
7. Trigger
8. LED
9. Side handle
10. VACLINK™ Button
11. AUTOSTOP™ indicator LED
12. ONE-KEY™ indicator LED
13. Service indicator LED



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.

WARNING Always remove the battery pack any time the tool is not in use.

Adjusting the Side Handle Position

1. **WARNING** Remove battery to avoid starting the tool.
2. Loosen the side handle by unscrewing the side handle grip until the side handle rotates freely.
3. Rotate the side handle to the desired position.
4. Tighten the side handle grip securely.

WARNING To reduce the risk of injury, do not grasp the bit while the chuck is rotating.

Installing and Removing Accessories

NOTE: Only use accessories with SDS Max shanks. When selecting an accessory, use the right type for the job. For best performance, always use sharp bits.

Be sure that the shank of the bit is clean. Dirt particles may restrict the insertion of the bit. Do not use bits larger than the maximum recommended capacity of the drill as this may damage the tool. For best performance, be sure that the bit is sharp and the shank is lightly greased before use.

1. **WARNING** Remove battery to avoid starting the tool.
2. Pull bit release collar toward the rear of tool.
3. Insert the accessory into the nose of the tool.
4. Release the collar.
5. Check that the accessory is locked properly; it should be possible to pull the accessory back and forth slightly (about 6 mm).
6. To remove accessories, pull accessory holder release collar toward the rear of tool and remove accessory.

WARNING Accessories may be HOT immediately after use. Do not touch the accessory with bare hands; it could burn skin.

For use with the Dust Extractor

For dust extractor assembly and operation, refer to the manufacturer's dust extractor manual.

VACLINK™

VACLINK™ is an integrated wireless dust control technology that allows a compatible tool and vacuum/ dust extractor to connect to each other. A signal from the tool will turn the vacuum on and off. The tool can be connected to one vacuum at a time. **NOTE:** Other product's VACLINK™ functionality may differ. See those instructions for more information.

Pairing/Unpairing VACLINK™

1. Install a battery pack on the tool and connect the dust extractor to a power source.
2. Press and hold the pairing buttons on the tool and dust extractor each for >1 second.
VACLINK™ LED:
•Searching – Flashing green
•Paired – Solid green
3. See troubleshooting if tool and dust extractor do not pair successfully.
4. To unpair, press and hold the pairing button on the tool for >1 second.
VACLINK™ LED:
•Unpaired – off

Using VACLINK™

1. Once paired, set up the dust extractor hose, work area, and job as needed, following the tool and dust extractor instructions.
2. Turn on the tool. VACLINK™ will automatically turn on the dust extractor.
3. Turn off the tool and the dust extractor will automatically turn off within a few seconds.

Pausing VACLINK™

VACLINK™ can be paused to halt the connection.

NOTE: When the tool's battery pack is removed and then reinstalled, the pause is cancelled and the VACLINK™ will be active.

To pause or unpair, quickly press and release the pairing button (<1 second).

VACLINK™ LED:

•Paused – Flashes red, then off

•Unpaired – Flashes green, then off

	Troubleshooting
Pairing is unsuccessful.	Remove battery from tool and power from dust extractor for 1 minute. Retry the pairing procedure.
	Check the dust extractor is in range of tool. Retry the pairing procedure.
	Move tool and dust extractor to an area with lower wireless traffic. Retry the pairing procedure.
	If VACLINK™ is still unable to pair, contact authorised MILWAUKEE® service centre.
Dust extractor not turning on/off automatically	VACLINK™ is paused on the tool. Unpause VACLINK™.
	The dust extractor is not connected to a power supply. Connect dust extractor to a power supply.
	The tool and dust extractor are out of range of each other. Move dust extractor and tool closer.
	If VACLINK™ still does not turn the dust extractor on/off, unpair and re-pair the tool and dust extractor. If VACLINK™ still does not turn the dust extractor on/off, contact authorised MILWAUKEE® service centre.

ONE-KEY™

To learn more about the ONE-KEY™ functionality for this tool, go to www.milwaukeeetool.com.au/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.

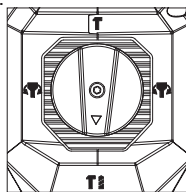
OPERATION

⚠ WARNING Always remove battery pack before changing or removing accessories. Only use accessories specifically recommended for this tool. Others may be hazardous. To reduce the risk of injury, keep hands away from the bit and all moving parts. Always use personal protective equipment. Always wear eye protection marked to comply with AS/NZS 1337.1. When working in dusty situations, wear appropriate respiratory protection or use a suitable dust extraction solution. Always use a side handle when using this tool. Always brace or hold securely. Cut embedded rebar only if doing so does not affect the integrity of the building. If in doubt, consult a structural engineer. The tool operator is fully responsible for adverse structural effects.

Selecting Mode

Select rotary hammer, hammer only or chisel adjustment. Allow the motor to come to a complete stop before changing the mode.

1. Rotary Hammer: turn the mode selector to the hammer drill **T** symbol. To engage the hammering mechanism, maintain pressure on the bit. When pressure on the bit is released, the hammering action will stop.
2. Hammer Only: turn the mode selector to the hammer **T** symbol. Use this setting for chiseling or setting self-drilling anchors. For use with "hammering only" accessories.
3. Chisel adjustment: turn the mode selector to the chisel adjustment **⚡** symbol. Use this mode to rotate the chiseling accessory to the desired angle. Then, turn the mode selector to Hammer Only.



Using the Control Switch

The control switch may be set to three positions: forward, reverse and lock. Due to a lockout mechanism, the control switch can only be adjusted when the ON/OFF trigger switch is not pressed. Always allow the motor to come to a complete stop before using the control switch.

For **forward** (clockwise) rotation, push in the control switch ► from the right side of the tool.

Check the direction of rotation before use.

For **reverse** (anticlockwise) rotation, push in the control switch ◄ from the left side of the tool. **Check direction of rotation before use.**

To **lock** the trigger, push the control switch to the centre position. The trigger will not work while the control switch is in the centre locked position. Always lock the trigger or remove the battery pack before performing maintenance, changing accessories, storing the tool and any time the tool is not in use.

Starting, Stopping and Controlling Speed

For operation when using the dust extractor, refer to your dust extractor manual.

1. To **start** the tool, grasp the handle(s) firmly and pull the trigger.

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

2. To **vary** the speed, increase or decrease the pressure on the trigger. The further the trigger is pulled, the greater the speed.
3. To **stop** the tool, release the trigger. Ensure the tool has come to a complete stop before laying the tool down.

Using the Chisel Lock

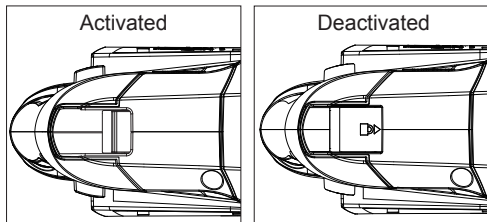
NOTE: Chisel Lock is used when chisel only mode is needed. The chuck will not rotate and no other function can be selected until Chisel Lock is disengaged. Chisel lock works in hammering mode only.

To **activate**:

1. Set the tool in hammer only **T** mode.
2. Push chisel lock **⬇** in.
3. Pull trigger to lock in on position.

To **deactivate**:

1. Pull chisel lock out to release trigger.



Cold Starting

If this tool is stored for a long period of time or at cold temperatures, it may not hammer initially because the lubrication has become stiff.

To warm up the tool:

1. Insert and lock an accessory into the tool.
2. Pull the trigger and apply force to the bit or chisel against a scrap concrete or wood surface for a few seconds. Release the trigger.
3. Repeat until the tool starts hammering. The colder the tool is, the longer it will take to warm up.

AUTOSTOP™

(Rotary Hammer Mode Only)

AUTOSTOP™ detects a bind-up event during use and quickly reacts to shut down the tool, minimising tool movement. If AUTOSTOP™ shuts down the tool, the indicator will light. Periodically test the AUTOSTOP™ function (see Maintenance).

Operating

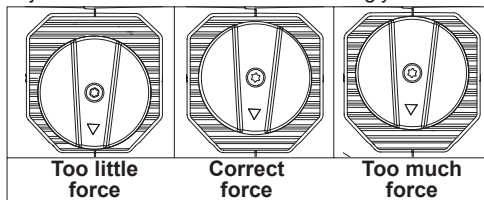
1. Position the tool, grasp the handles firmly and pull the trigger.
2. Always hold the tool securely using both handles to maintain control.
3. This tool has been designed to achieve top performance with only moderate pressure. Let the tool do the work. Applying greater pressure does not increase the tool's effectiveness (see "Operator Force").
4. If the speed begins to drop off when drilling large or deep holes, pull the bit partially out of the hole while the tool is running to help clear dust. Do not use water to settle the dust since it will clog the bit flutes and tend to make the bit bind in the hole.
5. If the bit should bind, a built-in, non-adjustable slip clutch prevents the bit from turning. If this occurs, stop the tool, free the bit and begin again.

Operator Force

The Anti-Vibration System provides the operator with comfort without sacrificing power or performance.

Ideal operator force compresses the bellows slightly and allows the tool to work aggressively while the handle remains steady.

Excessive force compresses the bellows significantly and reduces vibration dampening. Users will be able to feel the difference and should adjust the force to the handle accordingly.



Service Indicator Light

The tool is equipped with a service indicator LED. It illuminates when service is due. When the light turns on and stays amber, take your tool to an authorised service centre for servicing.

APPLICATIONS

⚠ WARNING To reduce the risk of electric shock, check work area for hidden pipes and wires before drilling.

Selecting Bits

When selecting a bit, use the right type for your job. For best performance, always use sharp bits.

Drilling

⚠ WARNING Before drilling, be sure the workpiece is clamped securely.

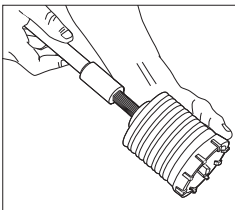
Use backing material to prevent damage to the workpiece during breakthrough.

1. When starting a hole, place the drill bit on the work surface and apply firm pressure. Begin drilling at a slow speed, gradually increasing the speed as you drill.
2. Always apply pressure in line with the bit. Use enough pressure to keep the drill biting, but do not push hard enough to stall the motor.
3. Reduce pressure and ease the bit through the last part of the hole. While the tool is still running, pull the bit out of the hole to prevent jamming.

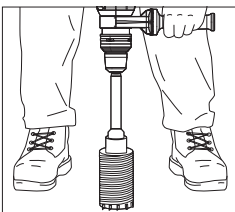
Using Rotary Percussion Core Bits

Core Bits are useful for drilling large or long holes in concrete. **MILWAUKEE®** SDS Max Core Bits have heat-treated steel bodies with durable carbide tips. These core bits are specially designed for fast, accurate drilling with combined hammering and rotary action.

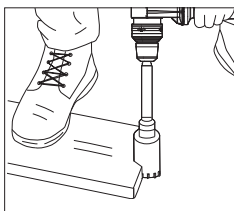
1. Clean and lubricate the threads on the SDS Max adaptor and core bit to make later removal easier. Insert centering bit into adaptor then thread the adaptor shank to the rear of the core bit.



2. Insert the adaptor into the nose of the tool as described in "Installing Bits and Chisels". Set the knob to the "Rotary Hammer" setting.



3. Press the centring bit firmly against your centre mark, hold the tool firmly and pull the trigger.

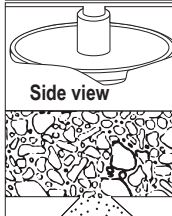
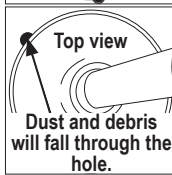
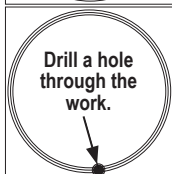
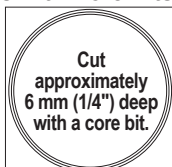


4. To change the core bit, hold the tool upwards, pointing it away from your body, and run it briefly in forward to loosen the core bit from the adaptor.
5. To make deeper holes, remove the core bit, break and remove the core, then resume drilling. When drilling long or deep holes, after each 25 mm of penetration pull the bit partially out of the hole while the tool is running, to help clear dust from the bit flutes. Dust can clog the bit flutes and can make the bit bind in the hole. If this occurs, stop the tool, free the bit and begin again.

Drilling Large Diameter Holes with Core Bits

When drilling holes with large diameter core bits, dust may build up in the cut and can cause the tool to stall, bind, or cut slowly. By creating an opening for the dust to escape, drilling time, bit stress, and tool stress can be reduced.

1. Start the cut as normal.
2. Once the bit is firmly established in the cut (about 6 mm (1/4") deep), remove the bit from the cut.
3. Remove the bit from the tool.
4. Install a standard fluted bit, approximately 22 mm (7/8") in diameter, onto the tool.
5. Drill a perpendicular hole through the kerf of the large hole.
 - Depending on the location of the work, the hole should either break through the other side of the hole/floor or extend 100 mm–125 mm (4"-5") past the end of the workpiece (such as into the dirt below a concrete slab).
 - If dust builds up in the hole, extract it and continue drilling.
 - If drilling through a wall, the hole for dust should be drilled on the lowest part of the large hole kerf as the dust will fall there when drilling and can be evacuated more easily.



6. Reinstall the core bit and continue drilling. Dust and debris will fall through the hole and optimise the cutting ability of the bit.

NOTE: If unable to drill a hole in the kerf, pull back on the bit with the hammer running. This will remove some of the dust and debris from the cut. Repeat this for every 25 mm of drilling. If necessary, extract dust and debris from the cut and surrounding area.

7. For core bits, once the maximum core bit depth is drilled, the core must be broken and removed.

- Install a chisel bit.
- Place the chisel into the hole kerf.
- Chisel down into the kerf at several points until the core is loose or broken.
- Remove the core and extract any remaining dust and debris.
- Install the core bit and continue the cut.



Chiseling and Chipping

MILWAUKEE® Rotary Hammers may be used for chipping and chiseling.

When chiseling, hold the tool at an angle to the workpiece. Work from a corner or close to the edge of the workpiece, breaking off one small area at a time rather than attempting too large an area. A variety of accessories are available.

	Bushing Tools Used to surface concrete.
	Mortar Cutting Chisels For removing old mortar for tuck pointing or caulking.
	Bull Points For demolition work and starting holes in concrete slabs.
	Flat Chisels For edging, chipping or channeling.
	Scaling Chisels For removing weld spatter or scale and cutting straight lines.
	Slotting Chisel For slotting and cutting between drilled holes in concrete and masonry.

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 tool, battery pack or charger. Contact a **MILWAUKEE®** service facility for ALL repairs.

Maintaining Tool

Keep your tool, battery pack and charger in good repair by adopting a regular maintenance program. Inspect your 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 repairs.

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.

Testing AUTOSTOP™

1. Set the tool to rotary hammer **T** mode.
2. Remove accessories from the tool.
3. Stand away from objects and people.
4. Firmly grasp the tool's handles.
5. Hold tool away from the body.
6. Start the tool.
7. Quickly rotate the tool about 90° in any direction.
8. If AUTOSTOP™ is working, the tool will shut off and the AUTOSTOP™ indicator LED will flash.
9. If AUTOSTOP™ is not working, the tool will continue to run. Repeat the test. If the tool will not automatically shut off, return the tool to the nearest authorised service centre.

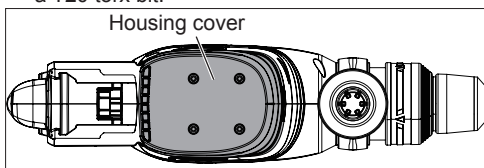
Internal Coin Cell Battery

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.

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

To replace the battery:

1. **WARNING** Remove battery to avoid starting the tool.
2. Remove the screws from the bottom cover using a T20 torx bit.



3. Remove the screw(s) and open the coin cell battery cover.
4. Remove the old coin cell battery, keep it away from children, and dispose of it properly.
5. Insert the new coin cell battery (3V CR2032), with the positive side facing up.
6. Close the battery cover and tighten the screw(s) securely.
7. Replace bottom cover and tighten the screws securely.

⚠WARNING To reduce the risk of personal injury and damage, never immerse the 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 milwaukee tool.com.au / milwaukee tool.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.

Milwaukee Electric Tool Corporation

13135 West Lisbon Road, Brookfield, Wisconsin U.S.A. 53005

Milwaukee Tool (Australia)

26 - 40 Nina Link, Dandenong South,
Victoria, 3175, Australia

Milwaukee Tool (New Zealand)

274 Church Street, Penrose,
Auckland, 1061, New Zealand

DESIGNED BY MILWAUKEE ELECTRIC TOOL CORP.