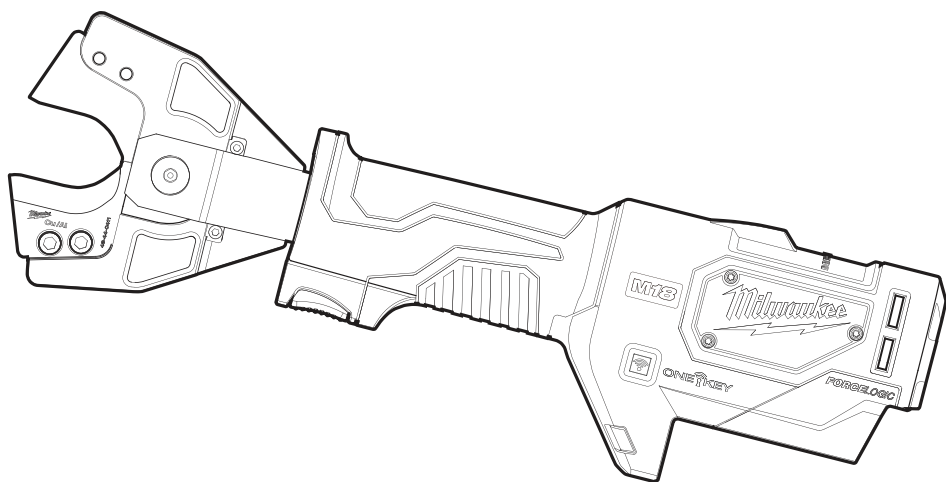




OPERATOR'S MANUAL



Cat. No.
M18 HCC

M18™ FORCELOGIC™ CABLE CUTTER

 **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 ground fault circuit interrupter (GFCI) protected supply.** Use of an GFCI 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 energizing 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 jewelry. Keep your hair and clothing away from moving parts.** Loose clothes, jewelry 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 authorized service providers.








SPECIFIC SAFETY RULES FOR CABLE CUTTER

- Do not use tool without cutting jaws installed. Fingers could be crushed.
- Blade is sharp. Keep hands away from all cutting edges and moving parts. Laceration and amputation can occur.
- To reduce the risk of injury, wear safety goggles or glasses with side shields when operating or servicing the tool. Material may crack or shatter.
- Only cut material specified in this document. Cutting other materials or sizes will cause the potential for damage or injury.

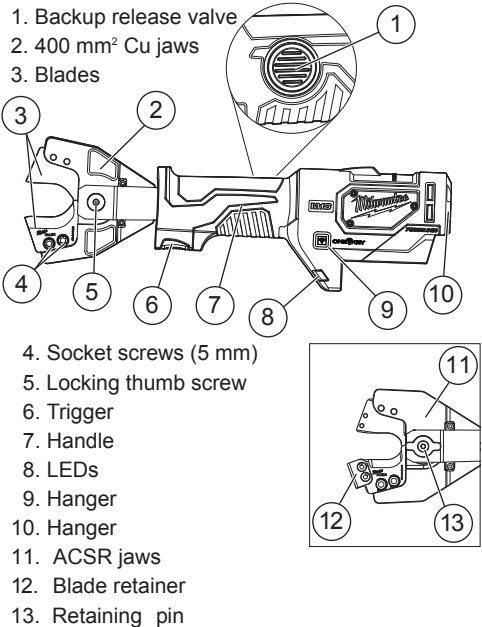
- WARNING** To reduce the risk of explosion, electric shock and property damage, do not use on live electrical lines. Tool is NOT insulated. Contact with a live circuit could result in severe injury or death. Turn off power before making a cut. Never cut gas or water lines.
- Maintain labels and nameplates. These carry important information. If unreadable or missing, contact a MILWAUKEE® service facility for a free 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.

SYMBOLGY

-  Volts
-  Direct Current
-  **WARNING** To reduce the risk of explosion, electric shock and property damage, do not use on live electrical lines. Tool is NOT insulated. Contact with a live circuit could result in severe injury or death. Turn off power before making a cut. Never cut gas or water lines.
-  **WARNING** Keep hands away from all cutting edges and moving parts. Blade is sharp. Laceration and amputation can occur.
-  To reduce the risk of injury, wear safety goggles or glasses with side shields when operating or servicing the tool.
-  Read operator's manual.
-  Regulatory Compliance mark (RCM). This product meets applicable regulatory requirements.

FUNCTIONAL DESCRIPTION

1. Backup release valve
 2. 400 mm² Cu jaws
 3. Blades
 4. Socket screws (5 mm)
 5. Locking thumb screw
 6. Trigger
 7. Handle
 8. LEDs
 9. Hanger
 10. Hanger
 11. ACSR jaws
 12. Blade retainer
 13. Retaining pin
- 

SPECIFICATIONS

Cat. No.	M18 HCC
Volts	18V DC
Battery Type	M18™
Charger Type	M18™
Jaw Type	Aluminium Conductor Steel Reinforced (ACSR) Jaws (Cat. No. 49-16-2773)
Maximum Capacity	ACSR Guy Wire: 10mm (3/8") Non-EHS Rebar: 10mm (3/8") Ground Rod: 10mm (3/8")
Replacement Blades	Cat. No. 48-44-0412
Jaw Type	Copper/Aluminium Jaws (Cu/Al) (Cat. No. 49-16-2772)
Maximum Capacity	Copper Cable - 400mm ² Aluminium Cable - 400mm ^{2*}
Replacement Blades	Cat. No. 48-44-0411
Copper/Aluminium Jaws will cut any aluminium cable with a diameter less than 31mm (1.225")	

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

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

WARNING Always remove battery pack before changing or removing accessories. Only use accessories specifically recommended for this tool. Others may be hazardous. Blades are sharp. Keep hands away from cutting edge. Laceration can occur.

Inserting/Removing the Cutting Jaws

Use only **MILWAUKEE®** cutting jaws. Do not use with other jaw types. Other jaw types can cause damage to the tool.

1. Remove the battery pack.
2. Remove the locking thumb screw (when used) from the back of the retaining pin.
3. Push in, then rotate the retaining pin counterclockwise 90° . The pin will pop out.
4. Insert the cutting jaws. Line up the center hole with the retaining pin.
5. Push in the retaining pin, then rotate clockwise 90° .
6. Insert and hand tighten the locking thumb screw.
NOTE: Use the locking thumb screw to prevent the retaining pin from being unintentionally loosened. A loose retaining pin may damage the tool.
7. Rotate the jaws to the desired angle.

CAUTION To avoid damage to the tool, do not operate the tool without the retaining pin fully inserted and locked into position. Damage to the cylinder may occur.

Changing the Blades

Replace the blades when they become dull, rounded, chipped, or damaged. Always replace blades as a set. Use only **MILWAUKEE®** blades and cutting jaws. Refer to Specifications for replacement blade numbers.

1. Remove the battery pack.
2. Remove cutting jaws from tool.


WARNING Blades are sharp. Keep hands away from cutting edge. Laceration can occur.


3. Loosen, do not remove, the socket screws using a 5 mm hex wrench.
4. Carefully slide the blade out of the jaws, keeping fingers away from the cutting edge.
5. Insert the new blade, keeping fingers away from the cutting edge.
6. Securely tighten socket screws.
NOTE: The tightening of the socket screws may cause the jaws to close. Keep hands and fingers out of jaws, and away from cutting edges!
7. Repeat for other blade. Always change blades as a set.

ONE-KEY™

To learn more about the ONE-KEY™ functionality for this tool, please reference the Quick Start guide included with this product or go to milwaukeeertools.com.au/ONE-KEY. To download the ONE-KEY app, visit the App Store or Google Play from your smart device.

OPERATION

WARNING To reduce the risk of explosion, electric shock and property damage, do not use on live electrical lines. Tool is NOT insulated. Contact with a live circuit could result in severe injury or death. Turn off power before making a cut. Never cut gas or water lines. 

Blade is sharp. Keep hands away from cutting edges and moving parts. Avoid cutting short pieces of material that put hands near blades. Laceration and amputation can occur. 

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, wear safety goggles or glasses with side shields.

Cutting

Before cutting, ensure retaining pin is properly seated, and blade socket screws are tight.

1. Insert the workpiece squarely between the blades. Do not attempt to make angled cuts as it will damage the workpiece and blades.
2. Hold the tool firmly and support the workpiece. Ensure the workpiece is straight and centered in the jaws. Keep hands away from blades.
3. Pull and hold the trigger through the operation. When the cut is complete, the blades will separate and the tool will shut off. Release the trigger.

NOTE: Workpiece may move slightly during the cut. Two LEDs will light when the trigger is pulled.

WARNING To reduce the risk of injury, only cut recommended materials for the jaws (see "Specifications"). Do not attempt to cut other materials or sizes specified for the jaws

Cutting Tips

- Cut farther in from the end of the material to avoid crooked cuts.
- Do not attempt angled cuts. It will damage the blades. Hold the material squarely between the blades.
- Cut clean material to extend the blade life. Wipe dirt and debris from material and blades before beginning the cut.
- DO NOT cut any other materials with the Copper/Aluminium jaws other than what is specified in this document. DO NOT cut copper with the ACSR jaws. It will damage the blades and jaws and potentially the tool.
- When using the ACSR jaws, ensure the blade retainer is installed.

Backup Release Valve

Ensure only one blade has the retainer installed. If two blade retainers are installed, this will put the user at risk of injury.

If the jaws need to be opened without completing the cycle, press and hold the backup release valve. Hold tool securely until the cylinder retracts fully.

Jammed Blades

Dirt and debris can cause the blades to become jammed together after a cut. If the tool shuts off and the blades are still closed:

1. Press and hold the backup release valve to ensure the tool has reset.
2. Remove the battery pack.
3. Remove the jaws from the tool.
4. Use a soft mallet to tap the rear of the jaws to release.
5. Clean any dirt and debris from the blades before starting another cut.

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. After six months to one year, depending on use, return the tool, battery pack and charger to a MILWAUKEE® service facility for:

- Lubrication
- Mechanical inspection and cleaning (gears, spindles, bearings, housing, etc.)
- Electrical inspection (battery pack, charger, motor)
- Testing to assure proper mechanical and electrical operation

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.

Jaws and Blades

Inspect jaws for cracks or damage. Do not use damaged jaws. Replace the blades when they become dull, rounded, chipped, or damaged.

ONE-KEY™

Refer to the ONE-KEY App for information regarding necessary servicing, such as internal battery life and crimp count.

⚠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 Battery

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

To replace the battery:

1. Remove the battery pack.
2. Remove the screw and open the battery door.
3. Remove the old battery, keep it away from children, and dispose of it properly.
4. Insert the new battery (3V CR2032), with the positive side facing up.
5. Close the battery door and tighten the screw securely

Hydraulic Fluid

To extend the life of the tool, return the tool to a MILWAUKEE® service facility for hydraulic fluid replacement after 20,000 cuts or 2 years of use.

⚠WARNING To reduce the risk of personal injury and damage, never immerse your 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 gasoline, 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 service centre.

ACCESSORIES

⚠WARNING Always remove battery pack before changing or removing accessories. Only use accessories specifically recommended for this tool. Others may be hazardous. For a complete listing of accessories, go online to milwaukeetool.com.au or milwaukeetool.co.nz or contact a distributor.

WARRANTY - AUSTRALIA and NEW ZEALAND

Please refer to Australian and New Zealand warranty supplied with tool. This warranty applies only to product sold 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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