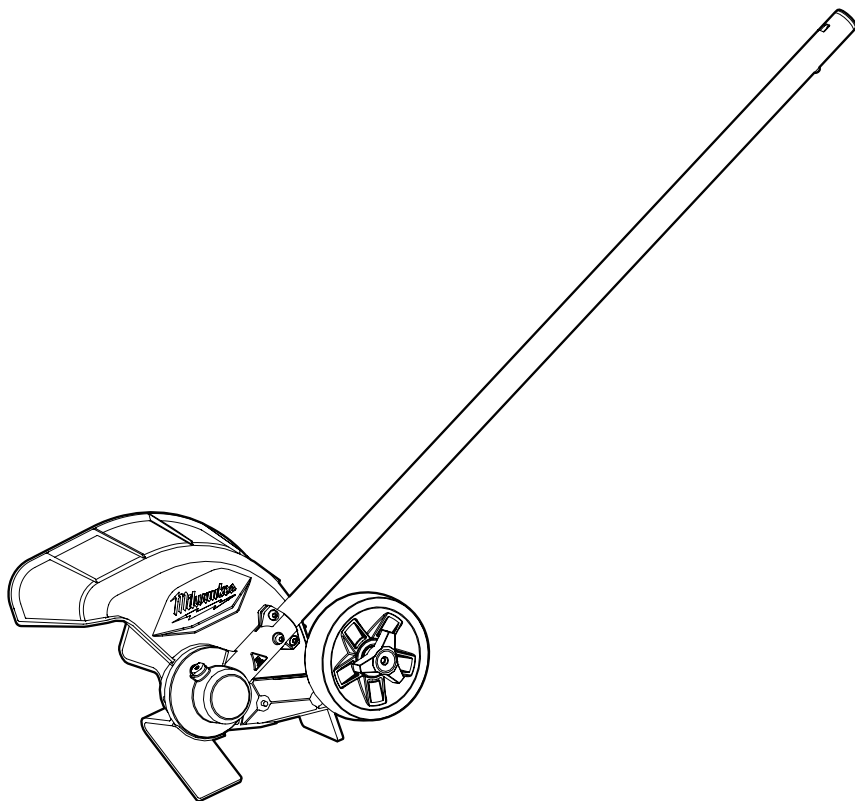





OPERATOR'S MANUAL



Cat. No.
M18 FOPH BRDA

M18 FUEL™ QUIK-LOK™ BED REDEFINER ATTACHMENT

 **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 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 (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 BED REDEFINERS

•Before use, read this manual, and all manuals and labels of this tool and its power head. Failure to follow the warnings and instructions may result in serious injury. Use tool only as described in this manual. Use only attachments recommended by MILWAUKEE®.

•Always wear eye and hearing protection, and protective clothing and footwear, according to the operation being performed. Wear heavy, long pants, long sleeves, boots, and gloves. Contain long hair. Do not wear loose clothing or jewellery. Do not wear short pants, sandals, or go barefoot.

•Keep bystanders at least 15 metres away during use. Objects may be thrown or ricochet in all directions.

•This tool is for use in edging along hard surfaces, such as sidewalks, driveways, flower beds, curbs, and similar areas. Do not use the tool on or near gravel surfaces.

•Know your environment. Be cautious around uneven sidewalks and terrain, as well as other hazardous conditions. Always push the tool slowly over rough ground.

•Inspect the area before using the tool. Remove all debris and hard objects such as rocks, glass, wire, etc. that can ricochet, be thrown, or otherwise cause injury or damage during operation.

WARNING Do not operate near electric power lines. The unit has not been designed to provide protection from electric shock in the event of contact with electric power lines. Consult local regulations for safe distances from electric power lines and ensure that the operating position is safe and secure before use.

•Do not use an attachment extension with this tool attachment. The additional length will make this attachment difficult to control and could cause injury.

•Do not use the tool near anything that is burning or smoking such as cigarettes, matches, or hot ashes.

•To reduce the risk of health hazards from vapours or dust, do not use tool near toxic, carcinogenic or other hazardous materials such as asbestos, arsenic, barium, beryllium, lead, pesticides or other health endangering materials.

•Use care when using around decorative plants and other obstacles. Accessories will cut/damage many materials.

•Do not use brush cutting wheels, accessories, or attachment other than those recommended by MILWAUKEE®. Serious injury or product damage may occur.

•Do not operate the tool without the guard in place. The guard must be attached properly during use. Operating the tool without the guard will cause serious injury.

•Do not use tool with a damaged head. Cracked or broken pieces can be thrown.

•Do not operate the tool without the front handle in place. The front handle must be attached properly during use. Use both hands when operating the tool.

•Maintain a firm grip. Using one hand could cause loss of control and result in serious injury.

•Keep face, hands and feet clear of moving parts at all times. Moving parts can cause severe lacerations.

•Always keep your right hand on the rear handle and your left hand on the front handle when the blade is rotating.

•Brace for unexpected movement when contact is made with a hard object. Loss of control could result in serious injury.

•Thrown objects may ricochet off hard surfaces, such as walls, trees, and rocks and cause injury. When possible, do trimming by hand in closed in areas.

•Carry the tool by the front handle to avoid accidental starting. Proper handling of the tool will prevent injury.

•Always turn off the tool when transporting from one location to another. Do not carry tool with finger on the trigger. Accidental starting can cause serious personal injury.

•Hold the tool motionless until the blade comes to a complete stop. A moving blade can cause injury.

•Keep all parts of your body back and to the left of the blade. Do not stand directly in line or to the right of the blade.

•Inspect tool for damage if contact is made with a hard object. If damaged, have the tool repaired before use.

•Remove battery pack and follow all instructions when clearing obstructions or jams.

- Do not immerse in water or spray with a hose. Do not clean with a pressure washer. Water entering a power tool will increase the risk of electric shock. Store tool indoors.
- Do not store the power tool on or near fertilisers or chemicals.
- Always turn off the tool and then remove battery pack before changing or removing accessories.
- Blade may be sharp. Replace worn blades. Always wear protective gloves when handling the blade.
- Hold the tool by insulated gripping surfaces only, because the tool may contact hidden wiring. Blades contacting a "live" wire may make exposed metal parts of the tool "live" and could give the operator an electric shock.
- When using this attachment with larger-capacity battery packs, use the shoulder strap to reduce user fatigue and help in maintaining control of the tool during use.
- Do not wear multiple shoulder straps simultaneously. When wearing a shoulder strap, ensure that no other wearable interferes with the release and removal of the strap.
- 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 FOPH BRDA
For use with.....	M18 FUEL™ QUIK-LOK™
	Power Heads
RPM.....	0 – 2,000 RPM
Blade Arbour.....	25 mm (1")
Blade Size.....	216 mm (8.5")
Replacement Blade.....	49162801

SYMBOLGY



Volts



Direct Current

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



Safety Alert Symbol



Read operator's manual



Always wear eye protection and use proper personal protective equipment.



Wear non-slip safety footwear



Wear protective gloves



ADANGER Keep hands and feet away from blade.



Keep bystanders at least 15 m away during use.



ADANGER Avoid blade contact during use.



ACAUTION Surface is hot. Avoid contact.



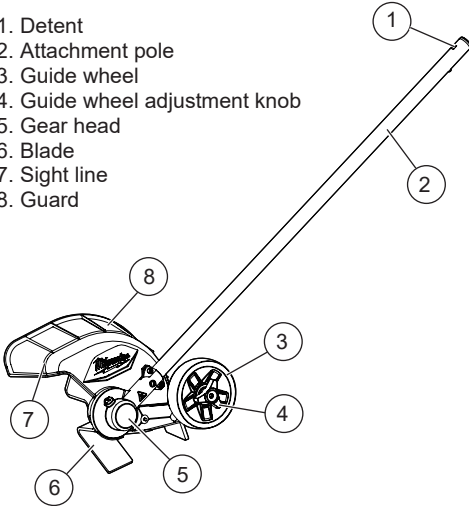
Regulatory Compliance Mark (RCM). This product meets applicable regulatory requirements.



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. Detent
2. Attachment pole
3. Guide wheel
4. Guide wheel adjustment knob
5. Gear head
6. Blade
7. Sight line
8. Guard



ASSEMBLY

WARNING Before use, read manual and labels of the power head. Important assembly and use instructions are provided in the power head manual. Connect the attachment to the power head in accordance with the power head manual.

Do not operate the tool without the guard in place. The guard must be attached properly during use. Operating the tool without the guard will cause serious injury.

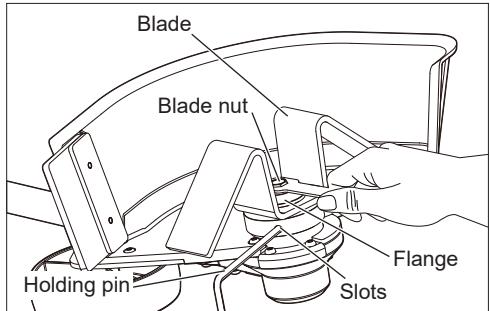
Always remove battery pack before changing or removing accessories.

Replacing the Blade

Always inspect blades before use and replace if worn or damaged.

1. **WARNING** Remove battery to avoid starting the tool.

2. Turn the gear head on its side and rotate the blade until the slots align. Slide a 5 mm holding pin through the slots.

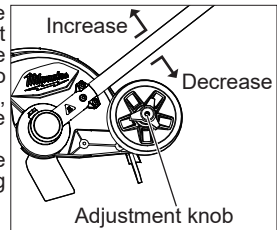


3. Use a 13 mm wrench or socket to loosen the blade nut (clockwise).
4. Remove the blade nut, flange, and blade.
5. Clean any debris from the flange, nut, and spindle.
6. Place the new blade flat on the spindle.
7. Place the flange and nut on the spindle. Tighten securely with a 13 mm wrench or socket (anticlockwise).

NOTE: Always make sure blade is undamaged, correctly installed, and securely fastened before each use.

Adjusting Height

1. **WARNING** Remove battery to avoid starting the tool.
2. Loosen the guide wheel adjustment knob and slide the guide wheel down to increase the height, or up to decrease the height.
3. Tighten the guide wheel adjusting knob securely.



Attaching the Shoulder Strap

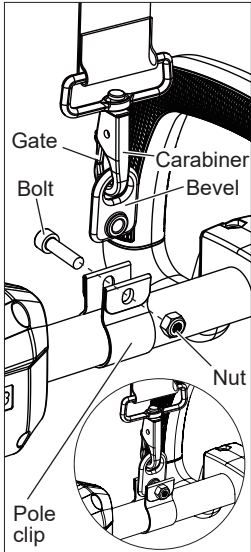
(Available as a spare part. Cat. No. 204350021)

WARNING Do not wear multiple shoulder straps simultaneously. When wearing a shoulder strap, ensure that no other wearable interferes with the release and removal of the strap.

Use the shoulder strap provided with the M18 FUEL™ QUIK-LOK™ Power Head to reduce user fatigue and help in maintaining control of the tool during use.

To install the strap:

1. **WARNING** Remove battery to avoid starting the tool.
2. Fit the pole clip around the power head pole between the front handle and rear handle in a location comfortable during use.
3. Insert the bolt through the pole clip and strap bevel. Thread the nut onto the bolt and tighten securely.
4. Clip the strap carabiner to the bevel.
5. Adjust the pole clip as needed to ensure the blade is at operating level.



To wear the strap:

1. Put your right arm and head through the strap.
2. Adjust the strap clips to change the strap length to fit comfortably.
3. Slide the neck pad to the appropriate position.

To unclip the strap:

1. Hold the tool by the front handle with your left hand.
2. Grip the carabiner with your right hand and unclip by pushing in the gate and it sliding off the bevel.

OPERATION

WARNING To reduce the risk of injury, always wear proper eye protection marked to comply with AS/NZS 1337.1.

Always remove battery pack before changing or removing accessories or attachments.

Do not operate the tool without the front handle in place. The front handle must be attached properly for use. Using one hand could cause loss of control and result in serious injury.

Do not operate the tool without the guard in place. The guard must be attached properly during use. Operating the tool without the guard will cause serious injury.

Use both hands when operating the tool. Maintain a firm grip. Using one hand could cause loss of control and result in serious injury.

Inspect the area before use. Remove all debris and hard objects such as rocks, glass, wire, etc. that can ricochet, be thrown, or otherwise cause injury or damage during operation.

Keep all parts of your body back and to the left of the blade. Do not stand in line or to the right of the blade.

Selecting the Speed

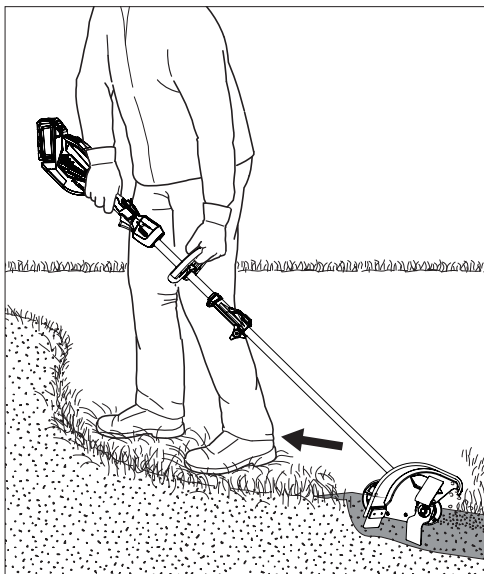
Use the speed control button to select the speed. Different power heads offer different speed selection options. Refer to your power head manual for more information.

Use lower speeds for larger jobs where extended battery life is needed. Use higher speeds for dense growth applications.

Operating the Attachment

Use this tool for recutting existing flowerbed edges to restore their sharp contours.

1. Grasp the tool firmly with your right hand on the rear handle and your left hand on the front handle. Always stand behind the guard. Hold the tool in a comfortable position with the rear handle about hip height.
2. To start the tool, squeeze the lock-off lever and pull the trigger.
3. To vary the speed, increase or decrease the pressure on the trigger. The further the trigger is pulled, the greater the speed up to the maximum set by the speed control button.
4. Slide the tool along the surface, taking care to avoid contact with hard objects.



5. Use the sight line to align the blade with the redefining surface.

6. Push the tool at a steady pace. If the blade begins to bog down, slow the cutting pace. Do not force the blade into the ground.

NOTE: Avoid operating in wet soil/grass. The blade guard may clog and cause unexpected results. If the blade guard becomes clogged, stop the tool, remove the battery pack, and clean debris from the blade guard.

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, except as provided in these instructions. 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 repair. After six months to one year, depending on use, return the tool, battery pack and charger to a MILWAUKEE® service facility for inspection. 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.

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 milwaukeetool.com.au / 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 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.

PROFESSIONALLY MADE IN CHINA

PRINTED IN CHINA