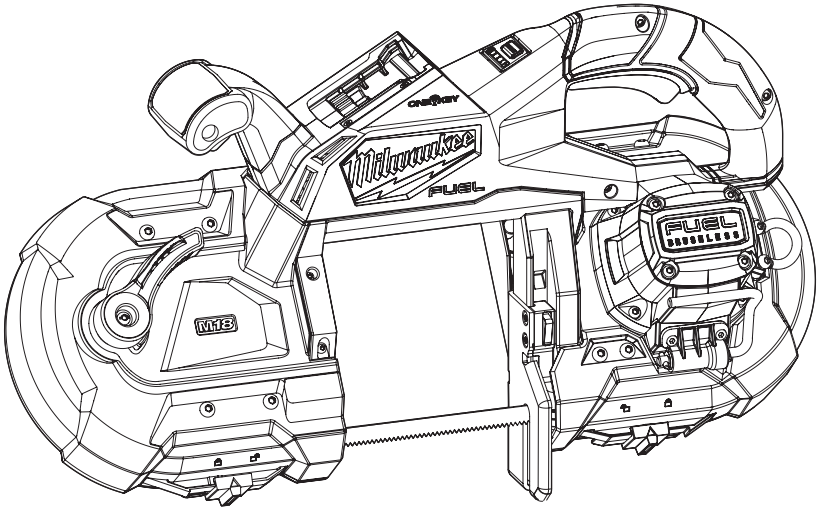
OPERATOR'S MANUAL



Cat. No.
M18 FBS125DO

M18 FUEL™ (125MM) DUAL-TRIGGER DEEP CUT BAND SAW W/ 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 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 BAND SAW

- **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessories contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

⚠DANGER **Keep hands away from cutting area and the blade. Keep your second hand on handle.** If both hands are holding the saw, they cannot be cut by the blade.

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

- **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 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.

⚠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 FBS125DO**
Volts	18 V DC
Battery Type	M18™
Charger Type	M18™
Variable Speed	0 - 167.6 SMPM
Recommended Blades	1,140 mm x 12.7 mm x 0.5 mm Bi-Metal
Capacities	
Round Stock	125 mm (5")
Rectangular Stock	125 mm x 125 mm (5" x 5")
Weight	5.1 kg (Tool-Only)
Lanyard	*MILWAUKEE*® Energy Absorbing
Recommended Ambient Operating Temperature	-17°C to 51°C

SYMBOLOGY

V — Volts

⎓ — Direct Current

SMPM — Surface Metres per Minute (SMPM)


Locked


Unlocked


Tool has Cut-Brake technology


Blade Rotation Arrow

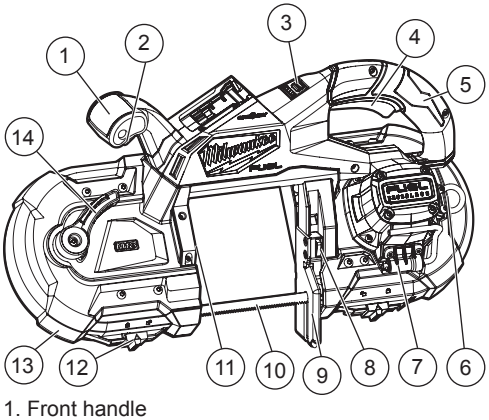

Read operator's manual.


Wear eye 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. Front handle
2. Front handle trigger
3. Mode button
4. Rear handle trigger
5. Rear handle
6. Tether attachment
7. Rafter hook
8. Guide adjustment button
9. Material guide
10. Blade
11. LED worklight
12. Shroud lock (2)
13. Chain guard
14. Tension lock

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.

Blades and Blade Selection

The blade dimensions required for this band saw are: 0.5 mm thickness, 12.7 mm width and 1,140 mm in length. The special 0.5 mm thickness reduces flexure fatigue and provides maximum tooth life. To maximise cutting life, use a blade with the correct pitch (teeth per inch) for the specific cutting job.

Blades are available in several pitches. To select the proper blade, three factors should be considered: The size, shape, and type of material to be cut.

The following suggestions are for selecting the right blade for various cutting operations. Keep in mind that these are broad guidelines and that blade requirements may vary depending upon the specific size, shape and type of material to be cut. Generally, soft materials require coarse pitch blades and hard materials require fine pitch blades. Use coarse pitch blades for thick work and fine pitch blades for thin work. It is important to keep at least three teeth in the cut.

6 teeth per inch	For tough stock 12.7mm to 9.5 mm in diameter or width (available in carbon steel only).
8 teeth per inch	For tough stock 9.5 mm to 25 mm in diameter or width (available in carbon steel only).
10 teeth per inch	For tough stock 4.7mm up to 10.1.6 mm in diameter or width.
14 teeth per inch	For tough stock 3.9 mm to 19 mm in diameter or width.
18 teeth per inch	For thin-wall tubing and thin sheets heavier than 21 gauge.
24 teeth per inch	For thin-wall tubing and thin sheets heavier than 21 gauge.

⚠WARNING Do not touch blade immediately after use. Blade will be hot.

Changing Blades

1. **⚠WARNING** Remove battery to avoid starting the tool.
2. Turn the tension lock handle located on the front of the saw 180° anticlockwise. This releases the tension on the blade for easy removal.
3. Remove the blades from the pulley first and then from the guides.
4. To install a new blade, with the pulleys facing up, insert the blade between the rollers and the faces of the guides, making sure that the teeth on the left side of the tool point towards the rear of the tool.
5. With one hand, hold the blade in place between the rollers and the guides and use the other hand to position the blade around the pulleys. Be sure that the blade lies freely within the guard channel before starting the tool motor.
6. Turn the tension lock handle 180° clockwise to lock the position. This will secure the blade on the pulleys.
   Be sure that the blade is properly seated on the pulleys before starting the cut.

Adjusting the 3-Position Material Guide

1. **⚠WARNING** Remove battery to avoid starting the tool.
2. To ensure that the product is stable during cutting, press the guide adjustment button to extend the guide adjustment before cutting. Press in the guide adjustment button and slide the material guide to the desired position detent.

ONE-KEY™

To learn more about the ONE-KEY™ functionality for this tool, go to www.milwaukeetool.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 To reduce the risk of injury, always wear proper 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.
Keep hands away from the blade and all moving parts.

Cut-Brake Control

⚠WARNING To reduce the risk of electric shock, check the work area for hidden pipes and wires before cutting. Generally, the saw blade stops quickly, but there may be a slight delay between when the cut-brake activates and when the blade stops. Always wait for the blade to stop completely before removing the saw from the workpiece and avoid contact with sensitive materials.

The cut-brake detects the load on the tool and stops the blade automatically at the end of a cut. This can help avoid cutting sensitive materials near the workpiece and when working in tight spaces.
The cut-brake indicator will light solid green.
If the cut-brake activates during a cut, the indicator will blink green and the tool will shut off.
To enable or disable cut-brake, hold the mode select button for 1 second.
To reset, release the trigger.
NOTE: If the battery is removed or if the tool goes into sleep mode, the tool will remember if cut-brake was enabled or disabled and will restore the previous settings.
The cut-brake may not engage properly when:

- Excessive vibration during a cut can occur when the workpiece is not secured properly, which can cause the cut brake to activate early.
- Pressure on the tool varies during the cut, which can cause the cut-brake to activate early. Keep an even, consistent pressure throughout the cut.
- The trigger is not fully engaged or the tool has not ramped up to full speed. The tool must be running at the max speed of the selected mode to engage the cut-brake.
- If the materials are too thin or light, the tool may not detect a load on the blade and may not shut off when the end of the cut is reached.

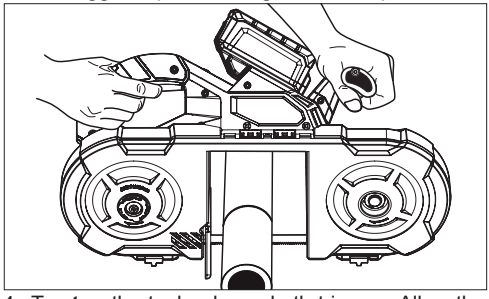
Mode Button

This tool has a mode button located at the end of thehandle to toggle between different modes. Press the mode button to switch between the different speeds.

Maximum SMPM		
Mode 1	**Mode 2**	**Mode 3**
96	131	167.6

Starting, Stopping and Controlling Speed

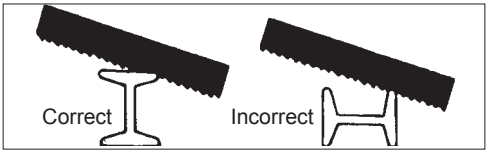
1. To **start** the tool, grasp both handles firmly.
2. Pull and hold the front handle trigger, then pull the rear handle trigger.
   NOTE: The LED is turned on when the rear handle trigger is pulled. The triggering sequence will reset after 10 seconds and must be restarted.
3. To **vary** the speed, increase or decrease pressure on the rear handle trigger. The further the trigger is pulled, the greater the speed.



4. To **stop** the tool, release both triggers. Allow the tool to come to a complete stop before removing the blade from a partial cut or laying down the tool.

Typical Application

1. Keep the blade off the workpiece until the motor has reached full speed.
2. Start cutting on a surface where the greatest number of teeth will be in contact with the workpiece at one time.



3. Place the material guide against the workpiece and lower the moving saw blade into the cut.
4. Do not bear down while cutting. The weight of the tool will supply adequate pressure for the fastest cutting.
5. When completing a cut, hold the tool firmly so it will not fall against the workpiece.

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 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*® sservice facility for repair. Depending on use, periodically have an authorised 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.

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 coin cell battery:

1. **⚠WARNING** Remove tool's battery to avoid starting the tool.
2. Loosen the screw(s) and open the coin cell battery door.
3. Remove the old coin cell battery, keep it away from children, and dispose of it properly.
4. Insert the new coin cell battery (3V CR2032), with the positive side facing up.
5. Close the battery door and tighten the screw(s) 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 milwaukeetool.com.au / milwaukeetool.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.

961015800-02(A)