



Located on the toolhousing are the model and serial numbers of your tool, please record these.
請您紀錄位於包裝盒上的工具型號與序號。

Model Number: _____
型號
Serial Number: _____
序號

WWW.BEXTOOL.COM

Made in Taiwan



USER MANUAL

使用說明書

CORDLESS 23 GAUGE MICRO-PIN NAILER

鋰電蚊釘槍



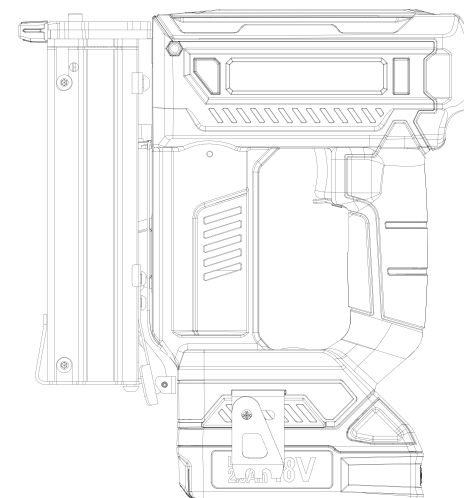
IMPROPER AND UNSAFE USE OF THIS TOOL WILL RESULT IN DEATH OR SERIOUS INJURY. IT IS VERY IMPORTANT THAT THE INTENDED OPERATOR OF THIS TOOL READS AND UNDERSTANDS THIS MANUAL BEFORE OPERATING THIS TOOL. KEEP THIS MANUAL AVAILABLE FOR OTHERS BEFORE THEY USE THE TOOL.



不當或不安全使用本工具可能導致死亡或嚴重傷害。
操作本工具的使用者務必在操作前仔細閱讀並理解本手冊內容。請將本手冊保留，供其他使用者在使用工具前參閱。

▲ **WARNING:** Please read the instructions and warnings for this tool carefully before use. Failure to do so could lead to serious injury.

▲ **重要事項:** 使用本工具前，請仔細閱讀操作說明與警告內容。
未遵守可能導致嚴重傷害。



MP2330

Explanation of symbols

Wear eye protectors	Warning	Fastener being fired	Wear helmet
			
Capability of operation in contact actuation mode	Read instruction before use	Wear hearing protectors	Prohibit to use CO ₂ or O ₂
			

Noise

The typical A-weighted noise level determined according to EN60745-2-16:

Sound pressure level (LpA) : 78.4 dB(A)

Sound power level (LWA) : 86.4 dB(A)

Uncertainty (K) : 3 dB(A)

NOTE : The declared noise emission value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

NOTE : The declared noise emission value(s) may also be used in a preliminary assessment of exposure.

- ▲ **WARNING : Wear ear protection**
- ▲ **WARNING : The noise emission during actual use of the power tool can differ from the declared value(s) depending on the ways in which the tool is used especially what kind of workpiece is processed.**
- ▲ **WARNING : Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).**

Vibration

The vibration total value determined according to EN60745-2-16:

Vibration emission (ah) : 1.02 m/S² or less

Uncertainty (K) : 0.47 m/ S²

NOTE : The declared vibration total value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

NOTE : The declared vibration total value(s) may also be used in a preliminary assessment of exposure.

- ▲ **WARNING : The declared vibration total value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.**
- ▲ **WARNING : Be sure to identify safety measure to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).**

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General Power Tool Safety Warning

▲ WARNING Read all safety warnings, instructions, illustrations and specifications. 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.

Hold the power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring or its own cord. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

General Power Tool Safety Warnings -Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

General Power Tool Safety Warnings

-Electrical safety

- a) **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.
- b) **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.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **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.
- e) **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.

- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (GFCI) protected supply.** Use of an GFCI reduces the risk of electric shock.

General Power Tool Safety Warnings- Personal safety

- a) **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.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off- position before connecting to battery, 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.
- d) **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.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **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.
- h) **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.
- i) **Always wear protective goggles to protect your eyes from injury when using power tools. The goggles must comply with ANSI Z87.1 in the USA, EN 166 in Europe, or AS/NZS 1336 in Australia/New Zealand. In Australia/New Zealand, it is legally required to wear a face shield to protect your face, too.**

General Power Tool Safety Warnings

-Power tool use and care

- a) **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.
- b) **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.
- c) **Disconnect plug from the power source and/or the battery pack 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.
- d) **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.
- e) **Maintain power tools. 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.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **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.
- h) **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.

General Power Tool Safety Warnings

-Battery tool use and care

- a) **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.
- b) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- c) **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.
- d) **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.
- e) **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.
- f) **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
- g) **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.

General Power Tool Safety Warnings

-Service

- a) **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.
- b) **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

General Warning

- **▲ User must wear eye protection which conforms to ANSI Z87.1/BS EN 166 with front and side protection against flying object; when handling, operating, and servicing the tool.** It is employer's responsibility to enforce user and all other nearby personnel at worksite to wear eye protection when operating the tool. 
WARNING Eye protection must be worn by the operator and other people in the work area.
WARNING It is employer's responsibility to provide and enforce the use of eye protection by the operator and other people in the work area.
- It is recommended to wear ear protection near or at the job site to prevent hearing damage. Hearing protection shall have a Noise Reduction Rating (NRR) determined in accordance with US Environmental Protection Agency rules that is appropriate for the noise exposure. 
- **Head protection** shall conform to ANSI Z89.1
- **Dress Properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Rubber gloves and nonskid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- **▲ Maintain tools with care.** Refer to the tool maintenance instructions for detailed information on the proper maintenance of a tool.
- **▲ This tool is not designed to be used in explosive atmosphere.** The design of this tool will generate spark and the exhaust will also cause possible danger to ignite highly flammable fuel or gas. Do not use this tool in this kind of environment. Do not smoke while using or handling the tool and fuel cell.

Inspect tool before operating to

- Determine that tool is in proper working order.
- Check for misalignment or binding of moving parts and any other condition that may affect tool operation.

- The fuel cell is high pressure liquefied gas bottle. Keep it away from spark, fire or high temp and explosive environment. Do not puncture the bottle or attempt to open the fuel cell. When the fuel used up, do not incinerate the bottle. Follow the recycle instruction on the bottle.
- Do not store the tool in temperature above 120°F(50°C). High temperature will result in explosion or fire and the release of flammable gas. When not in use, keep the tool from high temperature source or direct sun light.
- The tool needs to be used in well ventilated areas. Do not inhale the exhaust or fume or the gas because they are potentially dangerous to human body.
- Keep body balance when operating the tool, do not over reach.
- Keep the tool, fuel, charger and battery out of the reach of children. The tool is dangerous in the hand of untrained person.
- **▲ When the tool is not in use, it should be placed horizontally .When the tool is placed, avoid the safety yoke being squeezed.**
- **▲ Do not use assistive devices to make tools stand.** When tool is to stand. May triggered workpiece so that the tool is issued to actuate.
- Always check the tool before use for broken, misconnected or worn parts.
- Do not use a tool if the tool has been damaged.
- Only technically skilled operators should use the fastener driving tool.
- Do not discard the safety instructions.
- Be careful when handling fasteners, especially when loading and unloading, as the fasteners have sharp points which could cause injury.
- Only wear gloves that provide adequate feel and safe control of triggers and any adjusting devices.

Safety Instructions for Nailers

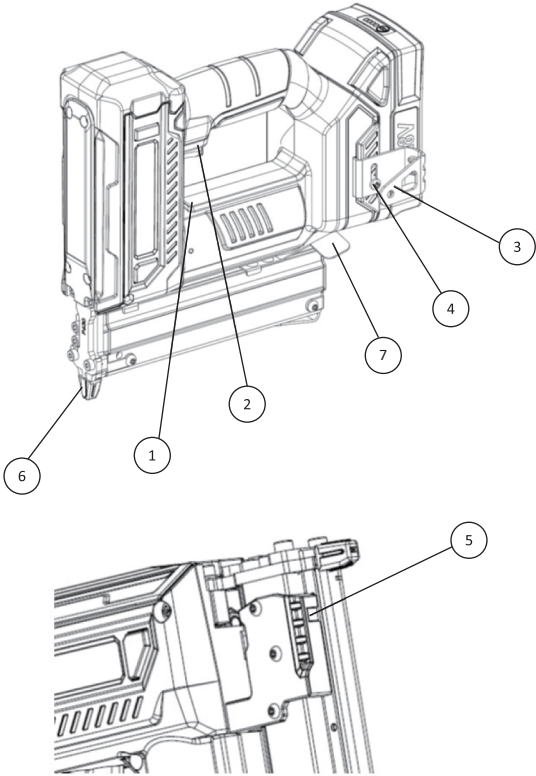
- **Always assume that the tool contains fasteners.** Careless handling of the nailer can result in unexpected firing of fasteners and personal injury.
- **Do not point the tool towards yourself or anyone nearby.** Unexpected triggering will discharge the fastener causing an injury.
- **Do not actuate the tool unless the tool is placed firmly against the workplace.** If the tool is not in contact with the workplace, the fastener may be deflected away from your target.
- **Disconnect the tool from the battery when the fastener jams in the tool.** While removing a jammed fastener, the nailer may be accidentally activated if it is plugged in.
- **Use caution while removing a jammed fastener.** The mechanism may be under compression and the fastener may be forcefully discharged while attempting to free a jammed condition.
- **Do not use this nailer for fastening electrical cables.** It is not designed for electric cable installation and may damage the insulation of electric cables thereby causing electric shock or fire hazards.
- If using this tool in selective actuation mode, always ensure it is in the correct actuation setting
- Tool user should assess the specific risks that may be present as a result of each use
- The fastener driving tool shall be disconnected when unloading fasteners, making adjustments, clearing jams or changing accessories
- The tool should not be modified unless authorized in the tool manual or approved in writing by the tool manufacturer. The tool may function unexpectedly after the modification and cause dangerous.
- Do not drive this tool over materials that is too hard or too soft. Hard material can ricochet fastener and hurt people, soft material may be penetrate easily and cause the fastener to free fly.
- Please keep the tool in clean condition, wipe off grease or oil after work. Do not use any solvent based cleaner to clean the tool. It is possible the solvent will deteriorate the rubber or plastic components on the tool. Greasy handle and body will cause accidental drop of the tool and injury to nearby person.
- Do not tamper with the tool or attempt to use it for other than driving fasteners.
- Do not operate the tool without fasteners. It shortens the service life of the tool.
- Stop driving operations immediately if you notice something wrong or out of the ordinary with the tool.
- Never fasten into any materials which may allow the fastener to puncture and fly through as a projectile.
- Never actuate the switch trigger and contact element at the same time until you are prepared to fasten workpiece. Allow the workpiece to depress the contact element. Never defeat its purpose by securing the contact element back or by depressing it by hand.
- Never tamper with the contact element. Check the contact element frequently for proper operations.
- Always remove fasteners from the tool when not in use.
- Recommended fasteners and accessories
 - Use only fasteners made or recommended by the tool manufacturer, or fasteners that perform equivalently to those recommended by the manufacturer.
 - Use only accessories made or recommended by the tool manufacturer, or accessories that perform equivalently to those recommended by the manufacturer.

Remarks: Accessories included, Battery, Battery Charger and Fasteners. Please refer to the technical data sheet for their specifications.
- Do not use the tool to perform other job than designate function. Especially not use the tool as a hammer, impact on the tool will increase the risk of cracked body and accidental discharge of fastener.
- Load the fastener at last to prevent unexpected fastener firing when loading fuel cell and battery.
- Operating controls
 - Do not use a tool with missing or damaged safety warning label(s.)
 - A tool that is not in proper working order must not be used. Tags and physical segregation shall be used for control.
 - Do not remove, tamper with, or otherwise cause tool operating controls to become inoperable.
 - Do not operate tool if any portion of the tool operating controls is inoperable, disconnected, altered, or not working properly.
- Tool handling
 - Only persons who have read and understand the tool operating/safety instructions should operate the tool.
 - Always assume that tool contains fasteners.
 - Do not point tool toward yourself or anyone whether it contains fasteners or not. 
 - Keep bystanders and children away while operating tool.
 - Do not actuate tool unless tool is placed firmly against the workpiece.
 - Do not engage in horseplay.
 - Stay alert, focus on your work and use common sense when working with tools.
 - Do not use tool while tired, after having consumed drugs or alcohol, or while under the influence of medication.
 - Do not overreach. Keep proper footing and balance at all times.
 - Do not hold or carry tool with a finger on the trigger.
 - Drive fasteners into proper work surface only.
 - Do not drive fasteners into other fasteners.
 - After driving a fastener, tool may spring back ("recoil") causing it to move away from the work surface. To reduce risk of injury always manage recoil by:
 - always maintaining control of tool.
 - allowing recoil to move tool away from work surface.
 - not resisting recoil such that tool will be forced back into the work surface. In "Contact Actuation Mode" if workpiece contact is allowed to re-contact work surface before the trigger is released, an unintended discharge of a fastener will occur.
 - keeping face and body parts away from tool.
- Remove the battery when
 - Not in use;
 - Performing any maintenance or repairs;
 - Clearing a jam;
 - Elevating, lowering or otherwise moving the tool to a new location;
 - Tool is outside of the operator's supervision or control; or
 - Removing fasteners from the magazine.
- When working close to an edge of a workpiece or at steep angles use care to minimize chipping, splitting or splintering, or free flight or ricochet of fasteners, which may cause injury.
- Keep hands and body away from the fastener discharge area of the tool.
- Do not operate tool with any power source other than that specified in tool operating/safety instructions..
- Always select an actuation system that is appropriate to the fastener application and the training of the operator.
- Use extra caution when driving fasteners into existing walls or other blind areas to prevent contact with hidden objects or persons on other side (e.g., wires, pipes.)

Specification

Model	MP2330
Nail Length	Ø 0.6*12 、 15 、 18 、 21 、 25 、 30 mm
Magazine Capacity	118 nails
Rated Voltage	18 V
Battery Type	EB18025-A1 , EB18050-A1
Charger Type	EC1800-A1
Length	221mm
Tool Weight	1.9 kg

Functional Description



1	Primary trigger
2	Secondary trigger
3	Hook
4	Screw
5	LED Lighting/ Indicator
6	Nose Adapter
7	Magazine release button

Assembly and Instruction

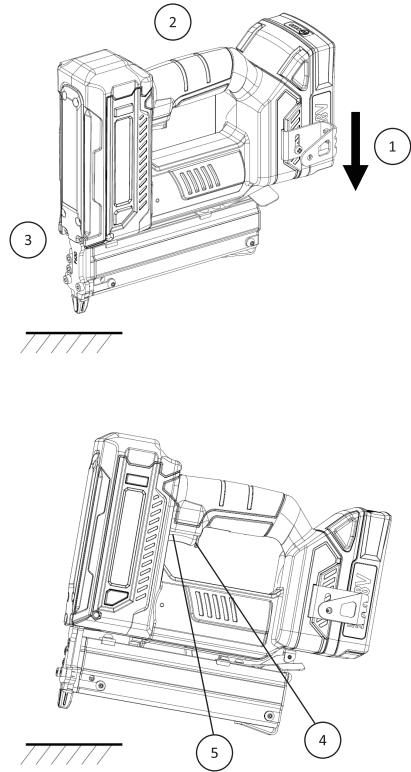
▲ **CAUTION** : Always make sure that your fingers are not placed on the switch trigger or the contact element and the battery pack is removed before carrying out any work on the nailer.

▲ **CAUTION** : Do not attempt to modify this product or create accessories or attachments not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

Operation

WARNING: This tool is equipped with a dual activation trigger, which will fire a nail every time both of the triggers are depressed. Do not pull the dual activation system unless the nose of the pinner is pressed against the work surface. Accidental actuation will occur and could cause serious personal injury.

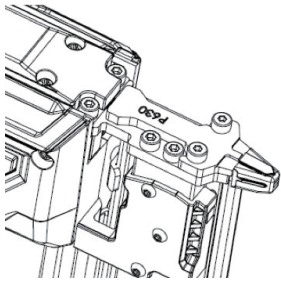
1. Install the battery pack, activate tool.
2. Grip the tool firmly to maintain control.
3. Press the nose of the tool against the work surface. Pull the secondary trigger.
4. Pull the primary trigger to drive a fastener.
5. Allow the tool to recoil away from the work surface as the fastener is driven.



Adjusting the Depth of Nailer

▲ **WARNING:** Always make sure that your fingers are not placed on the switch trigger or the contact element and the battery pack is removed before adjusting the depth of nailing.

- Using the hex wrench, loosen the three bolts and drive guide cover.
- To adjust the depth of nailing, move drive guide cover.
- Lock back the three bolts.



Loading the Pin Nailer

▲ **CAUTION:** Always make sure that the battery pack is removed before loading the pin nailer. Unintentional firing may cause personal injuries and property damage.

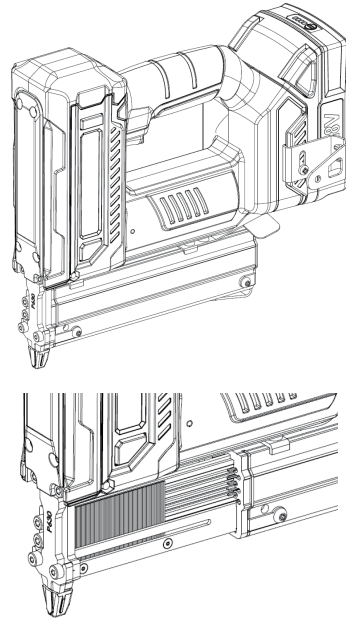
▲ **CAUTION:** Do not abruptly slide the magazine of the pin nailer loaded with nails. Accidentally dropping nails especially when working in high places may cause personal injuries.

▲ **CAUTION:** Load nails in the correct direction. Loading in wrong direction may cause premature wear and tear of the driver and damage of the other parts.

▲ **CAUTION:** Do not use deformed connected nails. Use nails specified in this manual. Using nails other than those specified may cause pin nail jamming and breakage of the pin nailer.

- Remove the battery pack.
- With the nose of the tool pointed away from you, squeeze magazine release button located at the rear of the magazine and slide the magazine cover open.
- Place pin nails in the channel with nail tips pointing down and resting on bottom of the channel.

- Push the magazine cover closed until it securely snaps into place.
- Make sure that the magazine is securely locked in place.
- Reinstall battery pack, and reactivate nailer by pulling the secondary trigger.



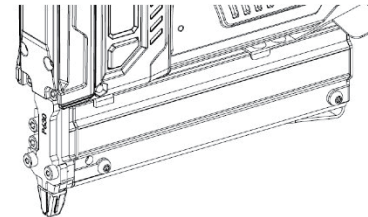
Anti Dry Fire Mechanism

▲ **WARNING:** Always make sure that your fingers are not placed on the switch trigger or the contact element and the battery pack is removed before loading the pin nailer.

- When the number of remaining 7~11 nails in the magazine, the switch trigger can no longer be pulled. At this time, insert a new strip of nails in the magazine and the switch trigger can be pulled again.

Checking Remaining Nails

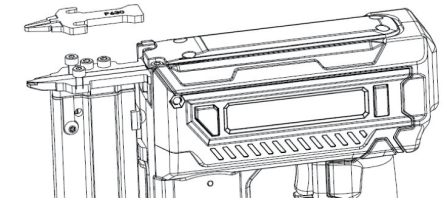
- You can check the amount of remaining nails through the sight window.
- The red indicator moves toward fastening opening with the amount of remaining nails become smaller.



Removing Jammed Nails

▲ **WARNING:** Always make sure that the battery pack is removed before removing jammed nails.

- Remove battery pack from the tool.
- Open magazine and remove nails from the tool.
- Using the hex wrench, remove the two bolts and drive guide cover.
- Insert a flat blade screwdriver into the tip of the driving mechanism and push the driver mechanism back, freeing the nail jam.
- Remove the bent nail.
- Reinstall the drive guide cover and bolts, making sure they are secure.
- Reinstall nails and close the magazine.

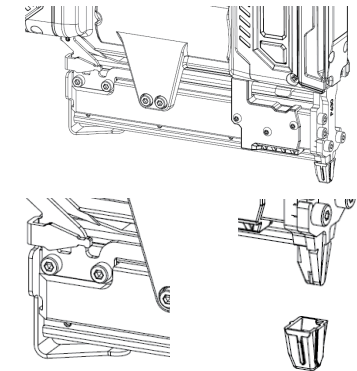


- Reinstall the battery pack, reactivate tool.

Nose Adapter

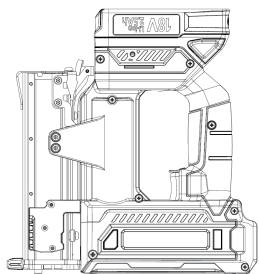
▲ **CAUTION:** Always make sure that your fingers are not placed on the switch trigger or the contact element and the battery cartridge is removed before installing the nose adapter

- When firing pin nails on the material with easily-marred surfaces, use the nose adapter.
- To install the nose adapter, place it over the driver guide cover so that the protrusion inside the nose adapter fits to the dent in the driver guide cover.

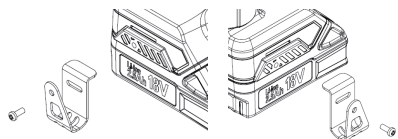


Hook

▲ **CAUTION:** Do not hang the hook from the waist belt. Dropping the pin nailer, which is caused by the hook accidentally coming out of place, may cause unintentional firing and result in personal injuries.

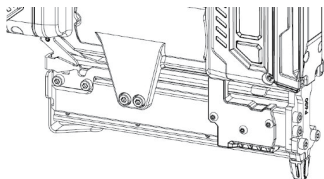


- The hook is convenient for temporarily hanging the tool.
- This can be installed on either side of the tool.
- To install the hook, insert it into a groove in the tool housing on either side and then secure it with a screw.
- To remove, loosen the screw and then take it out.



Hex Wrench Storage

When not in use, store the hex wrench as shown in the figure to keep it from being lost.



Battery Specification & Safety

EB18025-A1	
Rated Voltage	18V
Rated Capacity	2.5Ah
Cell type	Li-ion
Dimension	L x W x H 123x76x53 (mm)

EB18050-A1	
Rated Voltage	18V
Rated Capacity	5Ah
Cell type	Li-ion
Dimension	L x W x H 123x76x73 (mm)

■ Battery pack status Indicator:

Condition		LED Display
Overcurrent Protection	Automatically display the light number – four LED (10 flashes, Duty 2Hz)	
Overvoltage Protection	Automatically display the Light number – the first two LED (10 flashes, Duty 2Hz)	
Over Temperature Protection	Automatically display the light number – the last two LED (10 flashes, Duty 2Hz)	
Under Temperature Protection		
Single Cell abnormality	Automatically display the light number – the last two LED flashes alternately (Duty 2Hz, interactive flashing)	

- Do not throw the battery into fire, nor heat the battery.
- Do not disassemble nor modify the battery Pack.
- Do not leave the battery in a place of high temperature.(60°C or more)
- To prevent the battery from water or moisture.
- Do not add strong shock, nor drop the battery.
- Do not solder lead directly to the battery body.
- Do not heat nor solder the terminals of the battery.
- Do not short “+”and “-”terminal of the battery with a kind of metal.
- Do not charge beyond the condition which described on the delivery specification.
- Do not reverse-charge or reverse-connect the battery.
- When recharging, please use a special charger (EC1800-A1).
- Please regularly check the battery capacity. When the voltage of the battery is lower than the terminal voltage, its capacity may drop and cannot be recovered.
- If the battery is stored over 3 months, it should be checked again about the remaining capacity and charge the battery.

Remarks: Please refer to the technical data sheet for the battery specifications.

Charger Specification & Status

Battery Charger Specification

Battery Charger Specification	
Charger	EC1800-A1
Battery mode	EB18025-A1
	EB18050-A1
Output voltage	10~20.7±0.2V
Protection class	Electrical protection class II
AC supply voltage	100VAC~240VAC
Mains frequency	50Hz~60Hz
Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 75°C

Battery Charger Status Indicator

State of Charge indicator			
	State	Red LED	Green LED
1	Stand-by Mode	OFF	ON
2	Battery Pack Install And Charging	ON	OFF
3	Temperature Error Protection	OFF	ON
4	Temperature Error Protection	Red and Green LED flashes at the same time (Duty 1Hz)	
5	Over Charge Time	Red and Green LED flashes at the same time (Duty 1Hz)	
6	Abnormal Protection	Red and Green LED flashes at the same time (Duty 1Hz)	
7	95% Full Charge	Green LED flashes (Duty 1Hz)	

Battery Charger Safety

Keep work area clean and well lit.

Cluttered and dark areas invite accidents.

Do not operate the appliance in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.

Chargers can cause sparks which may ignite dust or fumes.

Keep children and other persons away from the area while the charger is in use.

The supply cord plug must match the outlet. Modification of the plug in any way is not permissible.

Unmodified plugs and corresponding power outlets reduce the 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 abuse the supply cord. Never use the supply cord to carry, pull or unplug the appliance. Keep the cord away from heat, oil, sharp edges or moving parts.

Damaged or entangled cords increase the risk of electric shock.

Only use the battery charger in areas which are dry.

Water entering an electric appliance increases the risk of electric shock.

Use the charger only to charge the batteries approved of use of this charger.

Do not use a charger if its casing or electric supply cord is defective.

Store chargers out of reach of children when not in use. Do not allow persons unfamiliar with the appliance or these instructions to operate it.

Chargers are dangerous in the hands of untrained users.

Maintain the appliance carefully. Check to ensure that no parts are broken or damaged in such a way that the appliance can no longer function correctly. If damaged, have the appliance repaired before use.

Use chargers and the corresponding batteries in accordance with these instructions and as is specified for this particular model.

Use of chargers for applications different from those intended could result in hazardous situations.

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.

When not in use, keep the battery and the charger away from paper clips, coins, keys, nails, screws or other small metal objects that could cause a short circuit at the battery terminals or the charging contacts.

A short circuit at the battery terminals or charging contacts could result in personal injury (burns) or fire.

Under abusive conditions, liquid may be ejected from the battery, avoid contact with the liquid. If contact accidentally occurs, flush with water. If the liquid comes into contact with the eyes also consult a doctor.

Liquids ejected from the battery may cause irritation or burns.

Take care to ensure that the charger is standing in a steady, secure position.

A falling battery or charger may present a risk of injury to yourself or others.

Avoid touching the contacts.

Batteries that have reached the end of their life must be disposed of safely and correctly to avoid environmental pollution.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given super-vision or instruction concerning use of the appliance by a person responsible for their safety.

Children must be instructed not to play with the appliance.

Take care to ensure that the batteries suffer no mechanical damage

Do not charge or continue to use damaged batteries (e.g. batteries with cracks, broken parts, bent or pushed-in and/or pulled-out contacts).

Do not touch the supply cord or extension cord if they are damaged while working. Disconnect the supply cord plug from the power outlet.

Damaged supply cords or extension cords present a risk of electric shock.

Never operate the appliance when it is dirty or wet.

Under unfavorable conditions, dampness or dust adhering to the surface of the appliance, especially dust from conductive materials, may present a risk of electric shock. Dirty or dusty appliances should thus be checked at a service center at regular intervals, especially if used frequently for working on conductive materials.

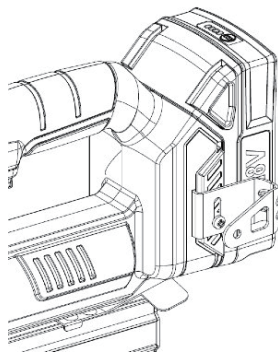
Installing or Removing Battery Pack

▲ **CAUTION** : Always be sure that the tool is switched off and the battery pack is removed before adjusting or checking function on the tool.

▲ **CAUTION** : Always switch off the tool before installing or removing of the battery pack.

▲ **CAUTION** : Hold the tool and the battery pack firmly when installing or removing battery pack. Failure to hold the tool and the battery pack firmly may cause them to slip off your hands and result in damage to the tool and battery pack and a personal injury.

- To remove the battery pack , slide it from the tool while sliding the button on the front of the pack.
- To install the battery pack, align the tongue on the battery pack with the groove in the housing and slip it into place.
- Insert it all the way until it locks in place with a little click.



▲ **CAUTION** : Always install the battery pack fully until the red indicator cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

▲ **CAUTION** : Do not install the battery pack forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

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 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 Service for dealers.
- 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 Service for dealers.

▲ **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 center.

Trouble Shooting

Symptom	Counter measures
LED indicator light flashes one time and the tool does not operate.	■ The tool motor is over current.
LED indicator light is two flashes and the tool does not operate.	■ The tool battery pack temperature too high
LED indicator light is three flashes and the tool does not operate.	■ The battery pack voltage is abnormal
LED indicator light is four flashes and the tool does not operate.	■ Anti dry fire mechanism starts.
LED indicator light is five flashes and the tool does not operate.	■ The motor is abnormal.
LED indicator light is six flashes and the tool does not operate.	■ PCBA internal parts are abnormal
LED indicator light is seven flashes and the tool does not operate.	■ The tool workpiece sensor is abnormal.
For failure other than above situation, please stop using the tool and contact your local dealer for service.	

Tel:+886-4-2359-8877

Address:No. 24, 36th Road, Taichung Industrial Park Taichung, Taiwan

符號說明

佩戴護目鏡	警告	釘子射出	佩戴安全帽
			
本工具可以在接觸 啟動模式下操作	使用前 請先詳讀說明	佩戴聽力保護裝置	禁止使用 二氧化碳或氧氣
			

噪音

依據 EN60745-2-16 決定之典型A加權噪音位準：

音壓級 (LpA)：78.4 dB(A)

音能值 (LWA)：86.4 dB(A)

不確定度 (K)：3 dB(A)

註：此處敘明之噪音排放值為依照標準測試方法測量得出，可用於比較兩種工具間之噪音排放值。

註：此處敘明之噪音排放值也可用於噪音暴露量之初步評估。

▲ 警告：配戴耳罩

▲ 警告：實際使用電動工具時的噪音值，可能因使用方法，特別是工件不同，其噪音排放值即可能於聲明的噪音值。

▲ 警告：請務必基於預測的實際使用條件(考慮操作周期的所有方面，如工具關閉時間、空轉時間和啟動時間)採取安全措施保護操作人員。

振動

依據 EN60745-2-16 決定之振動總值：

振動宣告值 (ah)：1.02 m/S²，或小於該值

不確定度 (K)：0.47 m/ S²

註：此處敘明之振動總值為依照標準測試方法測量得出，可用於相互比較工具。

註：此處敘明之振動總值也可用於振動暴露量之初步評估。

▲ 警告：實際使用電動工具時的振動值，可能因使用方法，特別是工件不同而不同於聲明的振動值

▲ 警告：請務必基於預測的實際使用條件(考慮操作周期的所有方面，如工具關閉時間、空轉時間和啟動時間)採取安全措施保護操作人員。

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一般電動工具安全警告

▲警告：請務必閱讀所有安全警告、說明、插圖、規格。若未遵守下列所有說明，可能導致觸電、火災或重傷。請保存所有警告及說明，以供日後參考。

警告中「電動工具」一詞是指由電源供電之（有線）電動工具或由電池供電（無線）之電動工具。

在進行緊固件可能接觸到隱藏線路或本身電線之操作時，需用絕緣的抓握面握住電動工具。緊固件接觸到「帶電」的電線時，可能使電動工具的裸露金屬部分「帶電」，導致操作人員觸電。

一般電動工具安全警告-工作區域安全

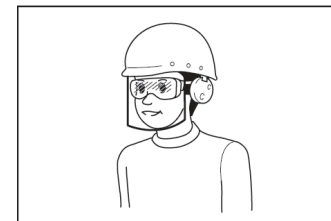
- 保持工作區域整潔及光線充足。雜亂或黑暗的区域易導致事故發生。
- 請勿在有爆炸可能性的環境中操作電動工具，例如於有易燃液體、氣體或粉塵的環境中操作。電動工具會產生火花，可能會點燃灰塵或煙霧。
- 操作電動工具時，請兒童及旁觀者遠離現場。操作工具時分散注意力，會導致工具失去控制。

一般電動工具安全警告-用電安全

- 電動工具的插頭必須與插座相配。切勿以任何方式改裝插頭。請勿將任何轉接插頭與接地的電動工具一起使用。未經改裝的插頭與相配的插座能減少觸電的風險。
- 作業時避免身體接觸接地金屬的表面，如鐵管、散熱器、鍋爐、冰箱。若使用人員的身體接地，則觸電的風險會增加。
- 請勿將電動工具暴露於下雨或潮濕的環境中。若電動工具進水，會增加觸電的風險。
- 請勿不當使用電線。禁止使用電線去移動、拉動電動工具或拔掉電動工具的插頭。同時，請確保電線遠離熱源、油脂、銳利邊緣或活動零件等危險物品。電線如果損壞或糾纏，會增加觸電的風險。
- 在戶外操作電動工具時，請使用適合戶外使用的延長線。使用適合戶外使用的電線，能減少觸電的風險。
- 如果必須在潮濕的環境下操作電動工具，請使用帶有「接地故障電流漏電保護器」（GFCI）的電源。透過使用GFCI，可以降低觸電的風險。

一般電動工具安全警告-人身安全

- 在使用電動工具時，必須始終保持警覺，專注於工作並運用基本常識。切勿在疲勞或受毒品、酒精或藥物影響下使用電動工具。即使稍有不慎，也可能導致嚴重的人身傷害。
- 使用個人防護設備非常重要。必須戴上護目鏡以確保安全。在適當的情況下，使用防塵口罩、防滑安全鞋、安全帽或聽力保護裝置等防護設備，可以減少人身傷害的風險。
- 請避免意外啟動工具。在連接電池、提起或攜帶工具之前，請確保開關處於關閉狀態。當攜帶電動工具時，若手指放在開關上，或開啟開關後接通電動工具的電源，可能會導致事故發生。
- 在啟動電動工具之前，請先移除任何定位鍵或扳手。如果扳手或定位鍵遺留在電動工具的旋轉部位，可能會導致人身傷害。
- 請避免伸手去拿取工具。請隨時保持適當的立足點和平衡。以確保在意外情況下能有效地控制電動工具。
- 請穿著適當的衣服，避免穿著寬鬆的衣物或佩戴飾品。請把頭髮、衣服和手套遠離活動零件。寬鬆的衣服、飾品或長髮可能會被捲入活動零件，造成危險。
- 若有連接除塵及集塵設施的裝置，請確保這些裝置已妥善連接並正確使用。使用粉塵收集裝置能減少與粉塵有關的風險。
- 請勿因頻繁使用工具而自認熟練導致疏忽工具安全原則。即使是一個粗心的瞬間也可能造成嚴重傷害。請隨時保持警覺，嚴格遵守安全規定。
- 使用電動工具時，請務必配戴護目鏡，以防眼睛受到傷害。護目鏡需符合美國 ANSI Z87.1 標準、歐洲 EN 166 標準或澳洲／紐西蘭 AS/NZS 1336 標準。若於澳洲／紐西蘭地區，法定需配戴面罩以保護臉部。



一般電動工具安全警告-電動工具使用及保養

- a. 請適當使用電動工具，不要誤用。請確保您使用的電動工具適用於您正在處理的對象。正確使用電動工具可以使其發揮最佳功效，並且能更安全地完成工作。
- b. 若開關不能開啟及關閉，請不要使用該電動工具。任何不能用開關控制的電動工具皆很危險，必須進行維修。
- c. 在進行任何調整、更換配件或存放電動工具之前，請將插頭從電源上拔下及/或將電池組從電動工具上拔下。此預防性的安全措施能減少意外啟動電動工具的風險。
- d. 請將閒置的電動工具存放在兒童接觸不到的地方，請勿讓不熟悉電動工具或本說明的人操作電動工具。電動工具在未經訓練的使用人員手中頗為危險。
- e. 請注意保養電動工具。在使用前，請檢查活動零件是否有錯位或打結、零件是否有斷裂，以及任何可能影響電動工具操作的狀況。如果發現損壞，請在使用前修復電動工具。維護不當的電動工具常常是事故的原因之一。
- f. 請務必保持切割工具銳利並清潔。若保養得當，切割工具的邊緣會更鋒利，不易打結且更容易控制。
- g. 請按照本說明使用電動工具、配件、鑽頭等，並同時考慮到工作條件以及要進行的工作。若將電動工具用於與其設計目的不同的操作中，可能會導致危險情況。
- h. 請保持握柄和抓握表面乾燥、清潔、無油、無脂。手柄與握把表面油滑無法安全操作電動工具。
- i. 請務必只使用製造商指定的充電器進行充電。不要混用僅適用於不同電池組規格的充電器，否則可能會增加火災風險。
- j. 請使用所特別指定的電池組來啟動電動工具。使用其他未指定的電池組可能會對使用人員造成傷害並有引發火災的風險。
- k. 當電池組未使用時，請將其儲存在遠離其他金屬物體，如迴紋針、硬幣、鑰匙、釘子、螺絲或其他小型金屬物體的地方。這些物品可能會意外連通電池終端而造成短路，進而導致火災或燒傷。
- l. 在錯誤使用的情況下，電池中的液體可能會噴出，請避免接觸。若接觸到液體，應用水沖洗。若液體接觸到眼睛，應立即就醫。電池中噴出的液體可能會引起皮膚刺激或燒傷。
- m. 請勿使用已損壞或改裝的電池組或工具。損壞或改裝過的電池組可能會產生不正常的情況，最終有造成火災、爆炸或受傷的風險。
- n. 請勿將電池組或工具暴露在火中或過高溫度下。避免可能會導致電池損壞或爆炸。
- o. 請遵循所有充電說明，僅在指定的溫度範圍內為電池組或工具充電。不當充電或在規定範圍外的溫度下充電，可能會損壞電池並增加火災風險。

一般電動工具安全警告-檢修

- a. 請尋求合格的維修人員進行檢修，並僅使用與原配零件完全相同的替換零件。這樣可以確保您的電動工具得以安全維護。
- b. 切勿自行檢修損壞的電池組。電池組檢修只能由製造商或已授權的維修人員進行。

電動打釘機特別安全規則

- ▲ **警告：**操作人員和工作區域內的其他人員必須佩戴護目鏡。
 - ▲ **警告：**雇主有責任提供操作人員和其他鄰近工作區域的人員穿戴護目裝備。
 - ▲ **警告：**僅使用製造商製造或推薦的釘子，或製造商推薦之相當功能之釘子。
 - ▲ **警告：**僅使用製造商製造或推薦的配件，或製造商推薦之相當功能之配件。
 - ▲ **警告：**附件包括電池、電池充電器和釘子，請參考技術資料表中的規格。
- 使用電動工具時，請務必配戴護目鏡，以防眼睛受到傷害。護目鏡需符合美國 ANSI Z87.1 標準及歐洲 EN 166 標準。雇主有責任監督操作人員和其他鄰近工作區域的人員在操作工具時穿戴護目裝備。
 - 建議在工作現場附近或現場穿戴聽力保護裝置，以防止聽力受損。聽力保護裝置應包含噪音衰減評比值法(NRR)，並遵守美國國家環境保護局之噪音暴露規定。
 - 頭部保護裝置應符合美國 ANSI Z89.1。
 - 請穿著適當的衣物。不要穿寬鬆衣服或佩戴飾品，佩飾或長髮可能會捲入運動部件中。在戶外工作時，建議使用橡膠手套和防滑安全鞋。如有長髮請佩戴髮套。
 - 請務必假設工具內含釘子。若打釘機操控不慎，可能會意外擊發釘子導致人員受傷。
 - 請勿將工具指向自己或附近的其他人。意外扣動工具會彈出釘子，從而造成人身傷害。
 - 在工件未確實置於定位之前，請勿啟動本工具。若工具未接觸工件，釘子可能會偏離您的目標。
 - 當釘子卡在工具中時，請拔除工具電源。取出卡住的釘子時，若插上電源，打釘機可能會突然啟動。
 - 取出卡住的釘子請格外注意。在嘗試解除卡住的狀況時，本機械裝置可能會在壓力下猛烈地射出釘針。
 - 請勿使用本打釘機固定電纜。本工具並非設計用於安裝電纜。如用於此目的，可能會損壞電纜絕緣層，進而導致觸電或火災發生。
 - 如果在選擇射釘模式下使用此工具，請確保其處於正確的打釘設置。
 - 使用者應評估每次使用可能帶來的特定風險。
 - 卸下釘子、調整、清除卡釘或更換配件時，應卸下電池。
 - 除本手冊或製造商書面授權，請勿改裝工具。改裝後的工具可能造成功能異常，產生危險。
 - 請勿在太硬或太軟的材質上使用此工具。堅硬的材質可能反彈釘子並使人受傷，而釘子可能穿透較軟的材質使人受傷。

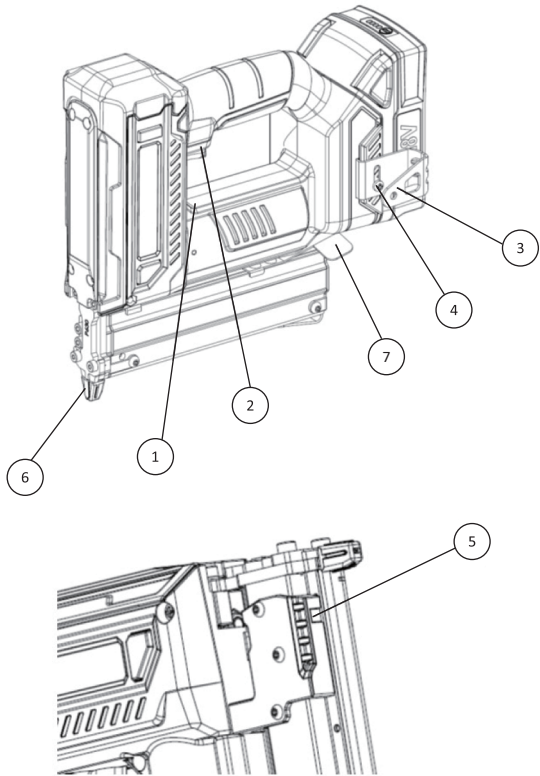
- 請保持工具清潔，工作後擦去油脂或油污。請勿使用任何溶劑清潔工具。溶劑可能會使工具上的橡膠或塑料部件變質。油膩的手柄和主體會導致工具意外掉落並傷害附近的人員。
- 請勿破壞工具或試圖用於其他非打釘用途。
- 請勿在無釘子的情況下操作本工具。否則會縮短本工具的使用壽命。
- 若您發現工具有問題或異常，請立即停止操作。
- 切勿將釘子釘入會讓釘子刺傷人及會如彈丸般飛射的材料上。
- 在準備固定工件前，切勿同時按壓主要扳機及安全扳機。以打釘導板蓋抵住工件。切勿用手按壓打釘導板蓋，導致人身傷害及工具無法正常使用。
- 切勿破壞打釘導板蓋。請定期檢查打釘導板蓋運作是否正常。
- 不使用工具時，請務必將釘子取出。
- 請勿使用此工具執行其功能以外的其他工作。請勿將工具作為錘子，撞擊工具會增加主體破裂和釘子意外脫落的風險。
- 請最後裝載釘子，以防止在裝卸電池時意外擊發釘子。
- 操作及控制：發現下列的情形，請勿裝載釘子至工具。
 - a. 安全警告標籤缺失或損壞的工具。
 - b. 請勿使用工作不正常的工具。應使用標籤和物理隔離進行控制。
 - c. 請勿卸下、改裝或以其他方式導致工具無法操作。
 - d. 如果工具的任何部分無法操作、沒有連結、改裝或無法正常工作，請勿操作工具。
- 工具操作
 - a. 只有閱讀並理解工具操作/安全說明的人員才能操作工具。
 - b. 請務必假設工具內含釘子。
 - c. 請勿將工具指向自己或附近的其他人，無論工具是否內含釘子。
 - d. 操作工具時，請兒童及旁觀者遠離現場。
 - e. 將工具牢固抵住工件之前，請勿啟動工具。
 - f. 請勿嬉鬧。
 - g. 在使用工具時請保持謹慎，專注於工作並運用常識。
 - h. 請勿在疲倦、服藥或飲酒後或受藥物影響時使用工具。
 - i. 請勿伸長手拿取工具。請務必隨時保持適當的立足點及平衡。
 - j. 手指放在扳機上時請勿拿起或攜帶工具。
 - k. 僅將釘子釘入適當的工作表面。
 - l. 請勿將釘子釘入其他釘子上。
 - m. 釘入釘子後，工具可能會彈回（“後座力”），導致工具移開工作表面。

- 為降低受傷風險，請用以下方式應對後座力：
 - a. 保持對工具的控制。
 - b. 允許後座力將工具從工件表面移開。
 - c. 不抵抗後座力，迫使工具移回工作表面。在“接觸射釘模式”下，如果在鬆開板機之前工件重新接觸工作表面，則會意外擊發釘子。
 - d. 保持臉部和身體部位遠離工具。
- 當靠近工件邊緣或以過大的角度工作時，請小心盡量減少釘子的碎裂、劈裂或碎裂、對空擊發或彈跳，這些都可能導致傷害。
- 讓手和身體遠離工具釘子擊發區域。
- 請勿使用工具操作/安全說明中指定電源以外的任何電源。
- 請選擇合適之釘子及其操作人員能力的打釘模式。
將釘子打入現有牆壁或其他盲區時要格外小心，以防止觸及隱藏的物體或另一側的人(例如電線、管道)。
- 如以下條件，請卸載電池：
 - a. 未使用時；
 - b. 進行任何維護或修理時；
 - c. 排除卡釘時；
 - d. 將工具升高、降低或以其他方式移動到新位置時；
 - e. 工具不在操作人員的監督或控制範圍內；或者從釘匣中取出釘子。

規格

產品名稱	MP2330
釘規	Ø 0.6*12、15、18、21、25、30 mm
釘匣容量	118 根釘子
額定電壓	18 V
電池類型	EB18025-A1, EB18050-A1
充電器類型	EC1800-A1
長度	221mm
工具重量	1.9 kg

功能描述



1	主板機
2	副板機
3	掛鉤
4	螺絲
5	LED 燈
6	驅動導引套
7	卸除彈匣鈕

組裝及指示

▲警告：進行任何打釘作業前，請勿將手指置放於開關扳機或接觸部位上，並取下電池組。

▲警告：請勿嘗試改裝本產品，或製作不推薦用於本產品的配件或附件。任何更改或修改均屬誤用，可能導致危險，從而導致嚴重的人身傷害。

操作

▲警告：此工具配備了雙觸發扳機，每次按下兩個扳機時都會擊發一顆釘子。

▲警告：不要拉動雙觸發系統，除非釘子的前端壓在工件表面上。

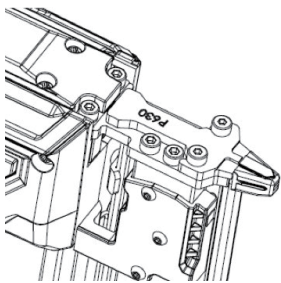
▲警告：意外擊發可能導致嚴重的人身傷害。

1. 安裝電池組並啟動工具。
2. 牢牢抓住工具以維持控制。
3. 將工具的前端壓在工作表面上。拉動安全扳機。
4. 按壓主要扳機以擊發釘子。
5. 在擊發釘子時，讓工具從工作表面移開。

調整打釘深度

▲警告：調整打釘深度前，請勿將手指置放於開關扳機或打釘導板上，並取下電池組。

1. 以六角扳手鬆開固定打釘導板蓋的三支螺絲。
2. 調整打釘深度時，移動打釘導板蓋。
3. 鎖回三支螺絲。



裝釘步驟

▲警告：務必確認已取出電池組，再裝入釘子。不慎擊發會造成人員受傷及財產損壞。

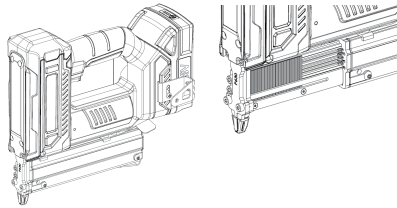
▲警告：請勿將裝有釘子的打釘機釘匣突然滑出。意外掉落釘子（尤其是在高處作業時）會導致人員受傷。

警告：請以正確方向裝入釘子。若未以正確方向裝入，會使驅動裝置提早磨損，並導致其他部件損壞。

警告：請勿使用變形的釘子。請使用本手冊中指定的釘子。使用非指定釘子，可能會造成卡釘及打釘機損壞。

警告：不同釘長，不能同時裝填在釘匣，將新的釘子裝入釘匣中，並退出之前留在釘匣的所有釘子。

1. 卸下電池組。
2. 將釘子尖端對齊釘匣底部凹槽，並將整組釘子往打釘導板方向推動。
3. 請以正確方向放置釘子。
4. 裝入釘子後，將釘匣推回原位，直到卡入為止。
5. 確保釘匣牢固鎖定。
6. 重新安裝電池組，並拉動安全扳機重新啟動打釘機。



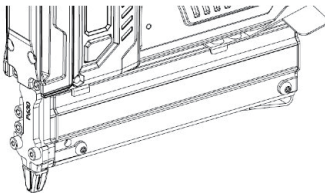
防空打機制

▲警告：裝釘前，請勿將手指置放於開關扳機或打釘導板蓋上，並取下電池組。

1. 釘匣中剩餘7~11個釘子時，開關扳機將無法擊發。此時，請在釘匣中裝入新的釘排。之後即可再按壓扳機。

檢查剩餘釘針

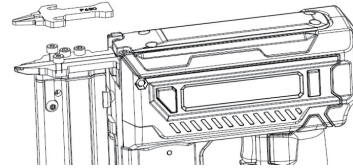
1. 可透過觀察窗查看剩餘釘針量。
2. 紅色指示器越靠近釘匣開口，表示剩餘釘子數量越少。



移除卡釘

▲警告：請務必確定放開扳機並先取出電池組與釘子後再取出卡釘。

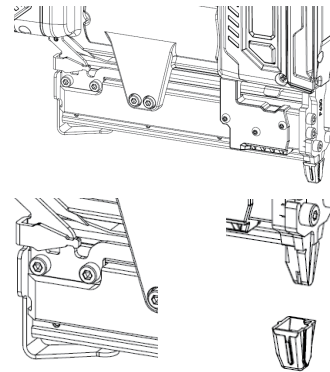
1. 取出電池組
2. 取出釘匣內的釘子。
3. 使用六角扳手取下打釘導板蓋上的六角螺栓。
4. 使用一字起子從卡釘處中取出卡釘。
5. 取下彎曲的卡釘。
6. 用六角螺栓固定打釘導板蓋。
7. 重新安裝釘子並關閉釘匣。
8. 重新安裝電池組，重新啟動工具。



安裝保險護套

▲警告：安裝保險護套前，請勿將手指置放於開關扳機或接觸部位上，並取下電池組。

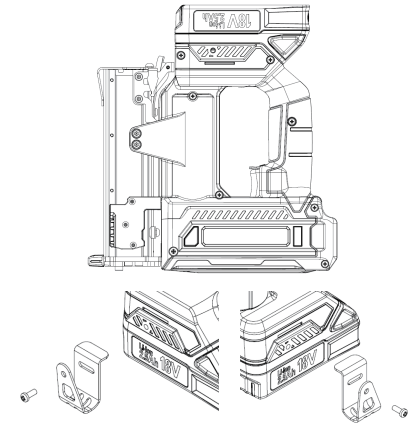
1. 若要在易受損的材料表面上打釘，請使用保險護套。
2. 若要安裝保險護套，請置於打釘導板蓋末端。



安裝掛勾

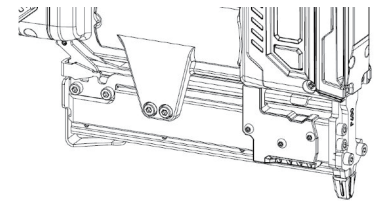
▲警告：請勿將掛勾掛在腰帶處。釘槍因掛勾意外脫落而掉落時，可能會意外擊發而導致人員受傷。

1. 臨時需懸掛工具時，掛勾十分方便。
2. 掛勾可安裝在工具兩側。
3. 若要安裝掛勾，請將掛勾插入側邊工具外殼的凹槽，然後用螺絲固定。
4. 若要取下掛勾，請鬆開螺絲後再取出。



六角扳手的存放

不使用時，請如圖示存放六角扳手，以防遺失。



電池規格及安全

EB18025-A1		EB18050-A1	
額定電壓	18V	額定電壓	18V
額定容量	2.5Ah	額定容量	5Ah
電池類型	鋰離子電池	電池類型	鋰離子電池
尺寸	長 x 寬 x 高 123 x 76 x 53 (mm)	尺寸	長 x 寬 x 高 123 x 76 x 73 (mm)

電池狀態

狀態		LED 顯示
過電流保護	自動顯示燈號-四個LED (閃爍10次，頻率2Hz)	
過電壓保護	自動顯示燈號-前兩個LED (閃爍10次，頻率2Hz)	
過溫度保護	自動顯示燈號-後兩個LED (閃爍10次，頻率2Hz)	
低溫保護		
單一電芯異常	自動顯示燈號-後兩個LED (交錯閃爍，頻率2Hz)	

- 請勿將電池扔進火中，也請勿加熱電池。
 - 請勿拆解或改裝電池組。
 - 請勿將電池放在高溫處 (60°C 或以上)
 - 防止電池進水或受潮。
 - 請勿對電池施加強烈的衝擊，也請勿使電池墜地。
 - 請勿將導線直接焊接於電池體上。
 - 請勿加熱或焊接電池終端。
 - 請勿用某種金屬短接電池的「+」及「-」終端。
 - 請勿於超出產品規格上描述之條件下進行充電。
 - 請勿對電池進行反向充電或反向連接。
 - 充電時，請使用專用充電器(EC1800-A1)。
 - 請定期檢查電池容量，當電池的電壓低於終端電壓，可能導致其容量下降，且無法恢復。
 - 若電池存放超過三個月，應再次檢查電池的剩餘容量，並將電池充電。
- 備註：請參考技術資料表中的電池規格。

電池充電器規格與狀態

電池充電器規格	
充電器	EC1800-A1
電池模式	EB18025-A1
	EB18050-A1
輸出電壓	10~20.7±0.2V
保護等級	電氣保護等級II
交流電供電電壓	100VAC~240VAC
電源頻率	50Hz~60Hz
操作溫度	0°C to 40°C
存放溫度	-40°C to 70°C

充電狀態顯示			
	狀態	LED紅燈	LED綠燈
1	待機狀態	關閉	開啟
2	安裝電池 以及充電	開啟	關閉
3	充電完成	關閉	開啟
4	溫度錯誤 保護	紅色及綠色LED燈 同時閃爍(頻率1Hz)	
5	過度充電時間	紅色及綠色LED燈 交錯閃爍(頻率1Hz)	
6	異常保護	紅色及綠色LED燈 交錯閃爍(頻率1Hz)	
7	95%充滿電	綠色LED燈閃爍 (頻率1Hz)	

電池及充電器安全

- 保持工作區域整潔及光線充足。雜亂或黑暗的區域易導致事故發生。
- 請勿在有爆炸可能性的環境中運作充電器，例如於有易燃液體、氣體或粉塵的環境中操作。充電器會產生火花，可能會點燃灰塵或煙霧。
- 電源線的插頭必須與插座相配。以任何方式改裝插頭皆不被允許。未經改裝的插頭與相配的插座能減少觸電的風險。
- 作業時避免身體接觸接地金屬的表面，如鐵管、散熱器、鍋爐、冰箱。若使用人員的身體接地，則觸電的風險會增加。
- 請勿以不正確的方式使用電源線。不要使用電線來移動、拉動充電器，或拔掉充電器的插頭。請確保電線遠離熱源、油、尖銳的邊緣或移動的零件。損壞或糾結的電線會增加觸電的風險。
- 請務必在乾燥處使用電池充電器。若電氣設備進水，會增加觸電的風險。
- 充電器僅能為經批准與本充電器一起使用的專用電池充電。
- 若充電器的外殼或電源線有缺陷，請不要使用該充電器。
- 請將閒置的充電器放置在兒童無法觸及的地方。不要讓不熟悉充電器或本說明的人操作充電器。充電器在未經過訓練的使用人員手中是相當危險的。
- 請小心保養充電器。請檢查以確保沒有任何部分破裂或損壞，導致充電器無法正常運作的狀況。若有損壞，請於使用前維修完成。
- 請遵照本說明及本特定型號的規定使用相應的充電器和電池。如果將充電器用於與其目的不同的應用中，可能會導致危險情況。
- 請只使用製造商指定的充電器進行充電。若將適用於一種電池組的充電器與另一種電池組一起使用，可能有產生火災的風險。
- 請務必注意在不使用時，將電池和充電器置於遠離迴紋針、硬幣、鑰匙、釘子、螺絲或其他小型金屬物體的安全位置，以避免這些物體意外觸及電池端子或充電器接觸點而導致短路。
- 請避免電池終端或充電接觸點發生短路，因為這可能導致人身傷害(例如燒傷)或火災。
- 若電池因錯誤使用而發生洩漏，可能會噴出液體，請避免接觸。若不小心接觸到液體，請用清水沖洗。若液體接觸到眼睛時，應立即就醫。由於電池洩漏的液體可能會引起皮膚刺激或燒傷。
- 請確保電池與充電器置放於穩固、安全的位置。如果電池或充電器不慎掉落，可能會對自己或他人造成人身傷害的風險。

- 避免觸摸接觸點。
- 已達使用期限的電池必須以安全和適當的方式處理，以避免對環境造成污染。
- 本充電器不適合給生理、感官或精神能力下降、缺乏經驗、知識不足的人(包括兒童)使用，除非有負責其安全的人進行監督或指導如何使用本設備。
- 必須指示兒童不要玩弄該設備。
- 注意確保電池未受機械損傷。
-  請勿將損壞的電池繼續使用或進行充電，例如有裂縫、斷裂、彎曲或接觸點被推入或拉出的電池。
- 若電源線或延長線在運作時被損壞，請不要觸摸它們。將電源線插頭從電源插座上拔下來。損壞的電源線或延長線有觸電的危險。
- 當充電器骯髒或潮溼時，切勿操作之。在不利的條件下，充電器表面附著之溼氣或灰塵，尤其是來自導電材料的灰塵，可能會帶來觸電的風險。因此，骯髒或累積許多灰塵的充電器，應定期送至服務中心進行檢查，特別是其經常用於處理導電材料的情況。

維護

▲警告：為降低受傷風險，在進行任何維護之前，一定要拔掉充電器的插頭，並從充電器或工具中取出電池組。切勿拆解工具、電池組或充電器。所有維修皆要聯繫經銷商。

▲警告：為減少人身傷害與損害的風險，切勿將工具、電池組或充電器浸泡在液體中，或讓液體在其內部流動。

保養工具

- 請實行定期維護計畫，使工具、電池組、充電器皆處於良好狀態。
 - 請檢查工具是否有問題，如過度的噪音、活動零件是否錯位或打結、零件是否斷裂，或任何其他可能影響工具操作的狀況。如有問題，送回經銷商進行維修。
 - 若在電池組充滿電的情況下，工具仍不能啟動或以全功率運作，請清潔電池組上的接觸點。
 - 若工具仍然不能正常運作，請將工具、充電器和電池組送至維修機構進行維修。
- ▲警告：為減少人身傷害與損害的風險，切勿將工具、電池組或充電器浸泡在液體中，或讓液體在其內部流動。

清潔

- 請清潔通風口的灰塵和碎屑。
- 請保持握柄清潔、乾燥，且無油、無脂。
- 請只使用溫和的肥皂和濕布進行清潔，因為某些清潔劑與溶劑對塑膠及其他絕緣零件是有害的。其中包括汽油、松節油、香蕉水、油漆稀釋劑、含氯清潔溶劑、氨、含氮的家用清潔劑。
- 切勿在工具周圍使用易燃或可燃的溶劑。

維修

- 如需維修，請將工具、電池組、充電器送回最近的經銷商。

保護狀態顯示

顯示特徵	描述
LED 指示燈閃爍1次，工具無法工作	工具馬達過電流。
LED 指示燈閃爍2次，工具無法工作	工具電池組溫度過高。
LED 指示燈閃爍3次，工具無法工作	電池組電壓異常。
LED 指示燈閃爍4次，工具無法工作	防空打機制啟動。
LED 指示燈閃爍5次，工具無法工作	馬達異常。
LED 指示燈閃爍6次，工具無法工作	PCBA內部零件異常。
LED 指示燈閃爍7次，工具無法工作	微動開關訊號異常。

- 若發生上述情況以外之故障情形，請停止使用本工具，並聯絡當地經銷商進行維修。
- 若出現除上述表格描述狀況以外之情形，請將工具寄回工具製造商/經銷商。