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# User manual



## Cordless Caulking Gun

MODEL NUMBER:  
SERIAL NUMBER:

☐ CEDSG45LI

Model number and serial number should be on nameplate.  
You should write them down and store in a safe place.



# IDENTIFICATION

1. Short caulking material holder (310ml)

2. Piston A for short rod

3. Holder joint

4. Short rod for short holder

5. Rod handle

6. Switch trigger

7. Trigger-lock button

8. Button of battery cartridge

9. Soft handle

10. Battery Cartridge

11. Speed adjusting dial

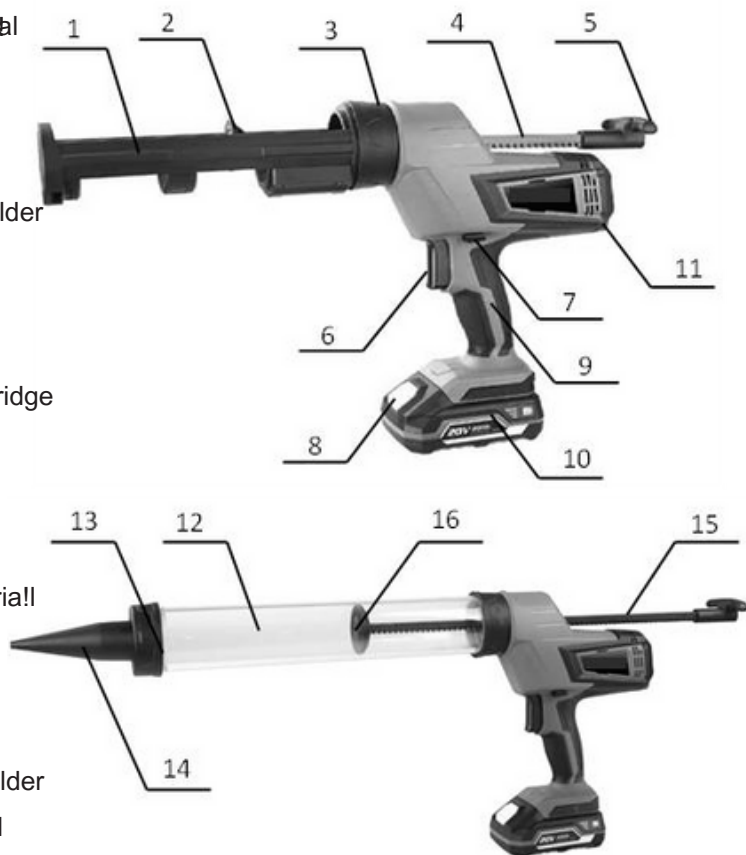
12. Long caulking material holder (600ml)

13. Holder cap

14. Nozzle

15. Long rod for long holder

16. Piston B for long rod



# SPECIFICATIONS

## Model:

Maximum feed force	CEDSG45LI	
Feed speed	4,500 N	
Speed adjusting	0.7 - 11 mm/s	
Holder capacity	6 position	
Rated voltage	310ml	600ml
Overall length (Bare tool)	D.C. 20 V	
Net weight (Bare tool)	457 mm	720 mm
	2.06 kg	2.2 kg

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications and battery cartridge may differ from country to country.
- The weight may differ depending on the attachment(s), including the battery cartridge. The lightest and heaviest combination, according to EPTA-Procedure 01/2014, are shown in the table.

## Applicable battery cartridge and charger

battery cartridge	CEDLi-Ion 2Ah, CEDLi-Ion 4Ah, CEDLi-Ion 6Ah
battery charger	CEDFCH2.4, CEDDCH3.0, CEDFCH3.5

- Some of the battery cartridges and chargers listed above may not be available depending on your region of residence.

**WARNING:** Only use the battery cartridges and chargers listed above. Use of any other battery cartridges and chargers may cause injury and/or fire.

## Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.



Read instruction manual.



Ni-MH  
Li-Ion

Only for EU countries Do not dispose of electric equipment or battery pack together with household waste material! In observance of the European Directives, on Waste Electric and Electronic Equipment and Batteries and Accumulators and their implementation in accordance with national laws, electric equipment and batteries and battery pack(s) that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

## Intended use

This tool is intended for applying caulking material to surface.

## Noise

The typical A-weighted noise level determined according to EN62841-1:

Sound pressure level (LpA) : **70 dB(A) or less**  
Uncertainty (K) : 3 dB(A)

The noise level under working may exceed 80 dB (A).

**WARNING:** Wear ear protection.

## Vibration

The vibration total value (tri-axial vector sum) determined according to EN62841-1:

Work mode: operation without load

Vibration emission (a) : **2.5 m/s<sup>2</sup> or less**

Uncertainty (K) : 1.5 m/s<sup>2</sup>

**NOTE:** The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.

**NOTE:** The declared vibration emission value may also be used in a preliminary assessment of exposure.

**WARNING:** The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.

**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).

# SAFETY WARNINGS

## 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

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **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.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

## Electrical Safety

1. **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.
2. **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.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **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.
5. **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.
6. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected**

supply. Use of an RCD reduces the risk of electric shock.

7. **Power tools can produce electromagnetic fields (EMF) that are not harmful to the user.** However, users of pacemakers and other similar medical devices should contact the maker of their device and/or doctor for advice before operating this power tool.

## Personal Safety

1. **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.
2. **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.
3. **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.
4. **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.
5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **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.

7. **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.
  8. **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.
- 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.



It is an employer's responsibility to enforce the use of appropriate safety protective equipments by the tool operators and by other persons in the immediate working area.

## Power tool use and care

1. **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.
2. **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.
3. **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.
4. **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.
5. **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.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **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.

8. **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.
9. **When using the tool, do not wear cloth work gloves which may be entangled.** The entanglement of cloth work gloves in the moving parts may result in personal injury.

#### Battery tool use and care

1. **Recharge only with the charger specified by the manufacturer.**  
One type of battery pack may create a risk of fire or when used with another battery pack.
2. **Use power tools only with specifically designed battery packs.** Use of any other battery packs may create a risk of injury and fire.
3. **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.
4. **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.
5. **Do not use a battery pack or tool that is damaged or modified.**  
They exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
6. **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
7. **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

1. **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.
2. **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.
3. **Follow instruction for lubricating and changing accessories.**

### Cordless caulking gun safety warnings

1. Keep hands and clothes away from the rod and the plunger area. Otherwise your finger or clothes may be pinched.
2. Hold the tool firmly.
3. Always work in well ventilated area and wear proper protections in accordance with the operation.
4. Read and follow the manufacture's instructions on caulking material or adhesive material before usage.

### SAVE THESE INSTRUCTIONS.

**WARNING: DO NOT** let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

### Important safety instructions for battery cartridge

1. **Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.**
2. **Do not disassemble battery cartridge.**
3. **If operating time has become excessively shorter, stop operating immediately.** It may result in a risk of overheating, possible burns and even an explosion.
4. **If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away.** It may result in loss of your eyesight.
5. **Do not short the battery cartridge:**
  - (1) **Do not touch the terminals with any conductive material.**
  - (2) **Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.**
  - (3) **Do not expose battery cartridge to water or rain.**

A battery short can cause a large current flow, overheating, possible burns and even a breakdown.

6. **Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 °C (122 °F).**
7. **Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.**
8. **Be careful not to drop or strike battery.**
9. **Do not use a damaged battery.**
10. **The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.**

For commercial transports e.g. by third parties, forwarding agents, special requirement on packaging and labeling must be observed. For preparation of the item being shipped, consulting an expert for hazardous material is required. Please also observe possibly more detailed national regulations. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging.

11. **Follow your local regulations relating to disposal of battery.**

### SAVE THESE INSTRUCTIONS.

**CAUTION:** Only use genuine Cedrus batteries. Use of non-genuine Cedrus batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury and damage. It will also void the Cedrus warranty for the Cedrus tool and charger.

## Tips for maintaining maximum battery life

1. Charge the battery cartridge before completely dis- charged. Always stop tool operation and charge the battery cartridge when you notice less tool power.  
Never recharge a fully charged battery cartridge.  
Overcharging shortens the battery service life.
3. Charge the battery cartridge with room

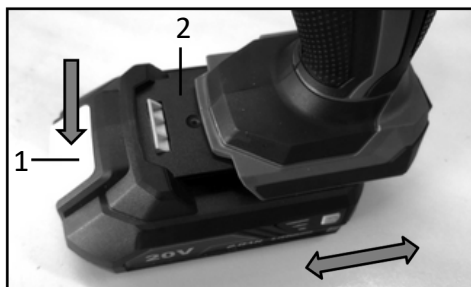
## FUNCTIONAL DESCRIPTION

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

### Installing or removing battery cartridge

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

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



► 1. Button 2. Battery cartridge

To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge.

To install the battery cartridge, align the tongue on the battery cartridge 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 cartridge. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

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

## Battery protection system

The tool is equipped with a battery protection system. This system automatically cuts off power to the motor to extend battery life.

The tool will automatically stop during operation if the tool and/or battery are placed under one of the following conditions:

### Overloaded protection

The tool is operated in a manner that causes it to draw an abnormally high current.

In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

If the tool does not start, the battery is overheated. In this situation, let the battery cool before turning the tool on again.

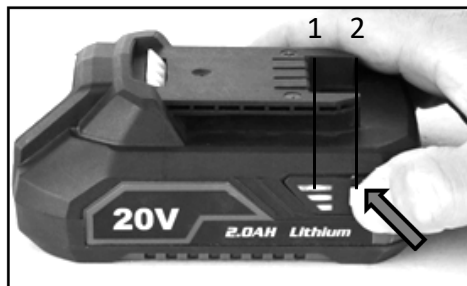
### Overheat protection

When the tool/battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool before turning the tool on again.

### Overdischarge protection

The remaining battery capacity is too low and the tool will not operate. If you turn the tool on, the motor runs again but stops soon. In this situation, remove and recharge the battery.

## Indicating the remaining battery capacity



► 1. Indicator lamps 2. Check button

Press the check button on the battery cartridge to indicate the remaining battery capacity. Below for detail remaining capacity information.

Indicator lamps		Remaining capacity
Lighted	Off	
		75% to 100%
		25% to 50%
		10% to 25%

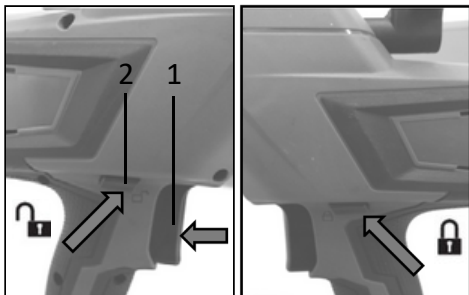
**NOTE:** Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.



## Switch action

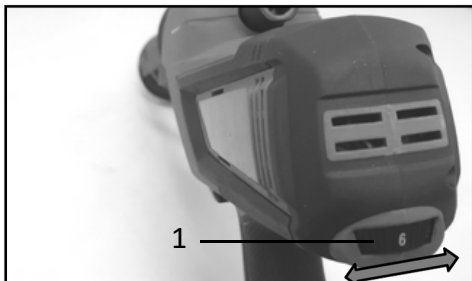
**WARNING:** Before installing the battery

cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.



► 1. Switch trigger 2. Trigger-lock button To prevent the switch trigger from accidentally pulled, the trigger-lock button is provided. To start the tool, depress the trigger-lock button from A side and pull the switch trigger. Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop. After use, press in the trigger-lock button from B side.

## Speed adjusting dial



► 1. Speed adjusting dial

The tool speed can be adjusted by turning the speed adjusting dial. You can get the highest speed at 6 and the lowest speed at 1.

**NOTICE:** Do not turn the dial quickly when the tool is working.

**NOTICE:** Depending on the type and conditions of caulking material, it may not be fed at low speed. In this case, set the speed adjusting dial higher.

**NOTICE:** When changing the speed dial from "5" to "1", turn the dial counterclockwise. Do not turn the dial clockwise forcibly.

## Drip preventive function

The motor keeps running for a short time even after the trigger is released. It releases the pressure of the caulking material and prevents dripping.

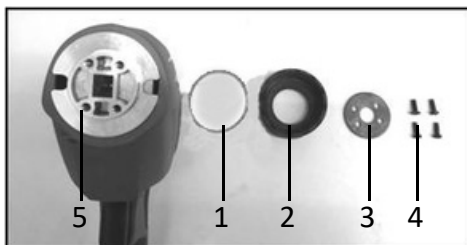
## ASSEMBLY

**CAUTION:** Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

**CAUTION:** Always place the tool on the ground or workbench when carrying out any assembling work. The tool without being held tight may lose balance and cause injury.

## Installing or removing the holder joint

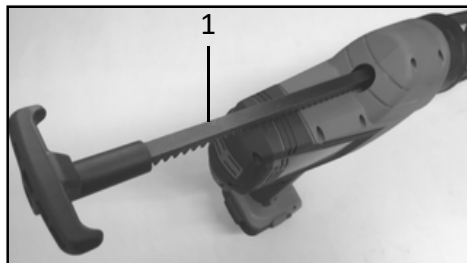
Attach the O ring, holder joint and plate onto the base by securing the screws firmly in order. To remove the holder joint, follow the installation procedure in reverse.



► 1.O ring 2. Holder joint 3. Plate 4. Screw 5. Base

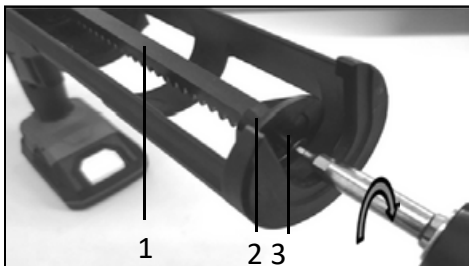
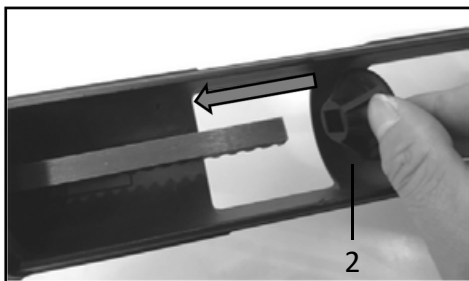
## Installing or removing the rod and piston

1. Insert the rod from the rear side of the tool with its teeth facing down.



► 1. Rod

2. Insert and attach the piston with the screw.

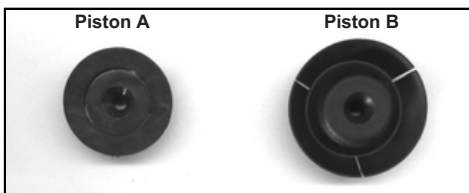


► 1. Rod 2. Piston 3. Screw

3. To remove the rod and piston, follow the installation procedure in reverse.

#### NOTICE:

- The teeth on the rod must point down.
- There are two types of pistons. Piston A for Cartridges and piston B for film type packs.
- Choose appropriate piston in accordance with the type of caulking material holder. Improper piston may cause leakage or tool breakage.
- There are two types of rods. The short rod for the short holder (310ml), and the long rod for long holder (600ml). Use appropriate rod in accordance with holder type.
- Always keep the rod and piston clean. Adhering caulk may damage the tool.

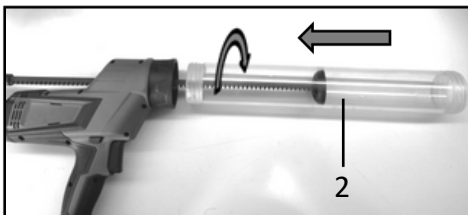
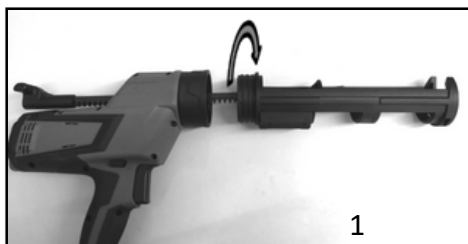


Film type packs

## Installing or removing the caulking material holder

**CAUTION:** Secure the holder to the holder joint firmly. Otherwise the holder may come off during operation and may cause an injury.

To install the caulking material holder, hold the bottom of the holder and the holder joint, then attach the hold to the holder joint by turning it clockwise. Tighten it firmly until it stops. Make sure the holder is tightened firmly. Otherwise the tool may be damaged.  
To remove the holder, turn it counter clockwise.



- 1. Short caulking material holder (310ml)  
2. Long caulking material holder (600ml)

**NOTICE:** There are two types of holders (optional accessory), short holder (310ml) and long holder (600ml).

**NOTICE:** The short holder (310ml) is intended for the cartridges only. Use only piston A with short holder(310ml), and do not use it with film type packs.

The long holder (600ml) is intended for the film type packs only. Use only piston B with long holder(600ml), and do not use it with cartridges. Also use appropriate rod in accordance with the holder type.

**NOTE:** You can rotate the holder in accordance with required situations to facilitate the operation.

Using cartridge



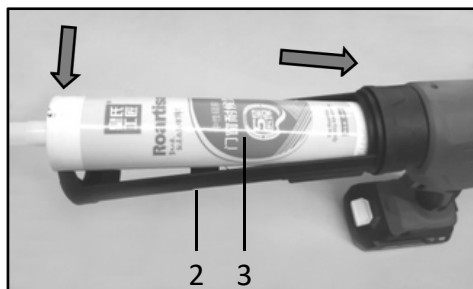
## Installing cartridge to short caulking material holder (310ml)

**NOTICE:** Make sure the piston A is attached to the rod. Do not use other type of piston for cartridge.

1. Pull the rod handle backward slowly until it stops.



2. Insert the cartridge into the holder as shown in the figure.



- 1. Rod handle 2. Short caulking material holder (310ml) 3. Cartridge

3. Push the rod gently until the piston touches the bottom of cartridge.

4. To remove the cartridge, pull the rod backwards until it stops, then lift out the cartridge.

**NOTICE:** Cartridge can be installed in the short holder (310ml) only.

**NOTICE:** Always check the cartridge for puncture or damage before installing. Using the damaged cartridge may cause malfunction.

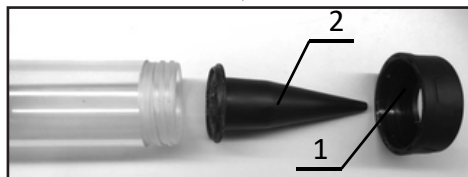
**NOTICE:** When reusing the partially used cartridge, be sure to remove the solid caulking material before the installation.

## Using film type packs

### Installing film type packs to long caulking material holder (600ml)

**NOTICE:** Make sure the piston B is attached to the rod. Do not use other type of piston for film type pack.

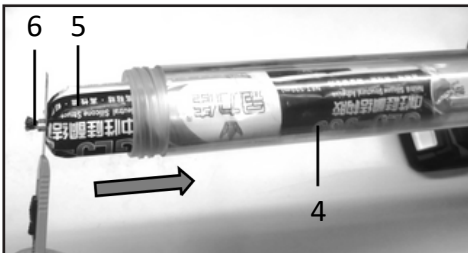
1. Remove the holder cap and the nozzle from the holder by turning the holder cap counter clockwise.



2. Pull the rod handle backward slowly until it stops.



3. Insert the film type pack into the holder and cut off the outside tip of the film type pack.



4. Attach the nozzle and the holder cap. Make sure holder cap is tightened firmly. Push the rod gently until the piston touches the bottom of the film type pack.



- 1. Holder cap 2. Nozzle 3. Rod handle
- 4. Long caulking material holder (600ml)
- 5. Film type pack 6. Tip of the film type pack

**NOTICE:** Film type packs can be installed in the long holder (600ml) only.

**NOTICE:** Always check the film type pack for puncture or damage before installing. Do not use damaged pack, otherwise the tool may be damaged.

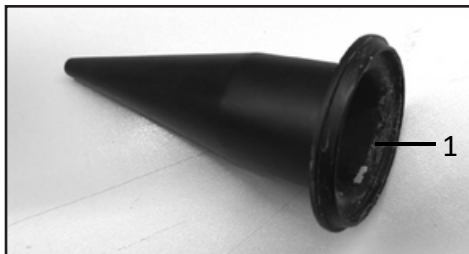
## Caulking Operation



**CAUTION:** Do not touch the rod during operation. Otherwise your finger may be pinched between the rod and the housing of the tool.

**CAUTION:** Always wear goggles during operation.

**CAUTION:** When operating with the long caulking material holder (600ml), after each operation, be sure to remove the nozzle and wipe off caulking material from the nozzle immediately. If not, the caulking material will rapidly become solid and clogged in the nozzle.



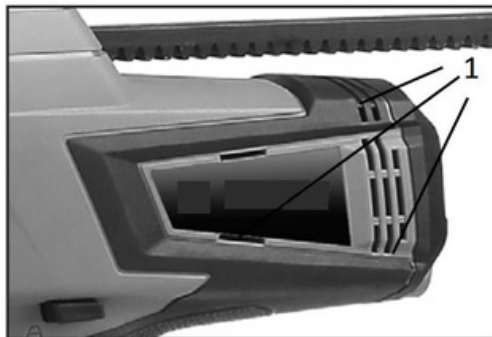
- 1. Nozzle

Cut off the tip of the nozzle suitable for individual operation. Be careful how much you cut the nozzle. The diameter of the nozzle affects the amount of caulking material dispensed.

The amount of the caulking material dispensed is determined by the trigger, the speed adjusting dial, the diameter of the nozzle opening, caulking material type, and temperature. It is recommended that the speed adjusting dial is set to '1' and pull the trigger slowly at the first time to test how much amount of caulking material is dispensed.

Pull the trigger to feed the caulking material. Put one hand under the holder to support the tool while operating it. After the operation, wipe off the caulking material from the tool, especially caulking material in the holder. Be sure to remove the caulking material before it becomes solid.

**NOTICE:** Do not cover vents, or it may cause overheating and damage to the tool.



- 1. Vent s

**NOTICE:** If you can not pull out the rod, turn the speed adjusting dial to 1, and pull the switch trigger for a moment, and try to pull the rod out after the motor stopped. If the rod is still clogged, perform the same action until the rod is able to move.

**NOTE:** Depending on the type and conditions of caulking material, it may not be fed at low speed. In this case, set the speed adjusting dial higher.

**NOTE:** If the caulking material is not fed, check the following points:

- The tip of cartridge nozzle is not cut adequately. Cut the nozzle tip suitable for individual operation.
- The caulking material is solid and clogged in the nozzle. Remove the hardened material.
- The cartridge is damaged. Replace the cartridge.
- The caulking material is stiff. Warm the material until it becomes soft.
- The attached piston is not appropriate for the type of caulking material.

## MAINTENANCE

**⚠ CAUTION:** Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

**NOTICE:** Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Cedrus Authorized or Factory Service Centers, always using Cedrus replacement parts.

## OPTIONAL ACCESSORIES

**CAUTION:** These accessories or attachments are recommended for use with your Cedrus tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Cedrus Service Center.

- Piston A and B
- Short caulking material holder (310ml)
- Long caulking material holder (600ml)
- Nozzle
- Holder cap
- Short rod
- Long rod
- Cedrus genuine battery and charger

**NOTE:** Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.