

ELECTRIC SECATEURS
BCL240

BAHCO®

ORIGINAL INSTRUCTIONS



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CE





PLEASE READ ALL SAFETY WARNINGS AND INSTRUCTIONS CAREFULLY. Failure to follow these warnings and instructions may result in electric shock, fire or other serious injury.

PLEASE KEEP ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.



Please strictly abide by the laws and regulations of relevant countries on waste disposal.



Electrical and electronic supplies cannot be disposed of in the way of household refuse. It is forbidden to discard scrapped machinery device.

List of icons with explanation



Special safety precautions when working with electric secateurs



Wear safety glasses



Equipment complying with EC standards



Risk of injury – keep hands away from cutting head



Wear safety gloves



Equipment complying with UK CA standards



Do not expose to rain, water or wet conditions



Read the user guide



Equipment complying with the requirements imposed or covered by regulations in Australia and New Zealand



Keep away from heat sources



Do not put to general waste



Battery system complying with the California Energy Commission efficiency requirements



Do not use damaged or broken batteries



Recycle in accordance with local waste regulation

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Product description

This Electric Secateur is a battery-powered pruning shear designed for effortless and precise cutting. Featuring a powerful motor, it can handle branches up to 40mm diameter.

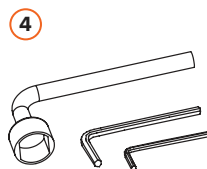
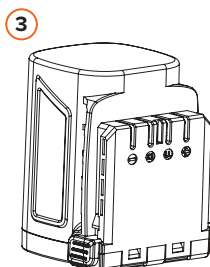
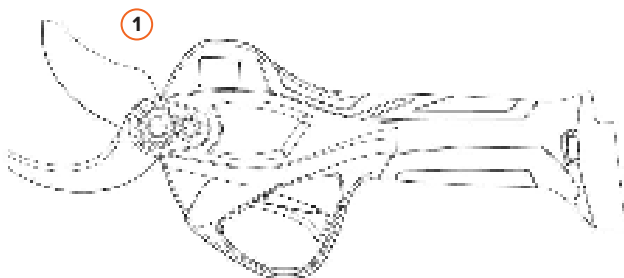
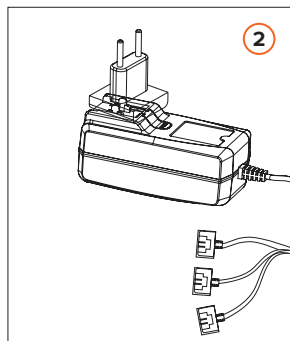
The case includes the Electric Secateur, which contains a blade and a counter blade, a lithium battery, a charger and a tool kit.

TECHNICAL SPECIFICATIONS

Model	BCL240
Maximum voltage	25,2 V
Nominal voltage	21,6 V
Power	850 W
Battery	21,6 V – 2,5 Ah
Charge voltage	AC110V~220V
Charge duration	2.5 h
Battery duration	3~4 h
Maximum cutting diameter	40 mm
Weight	0,885 kg

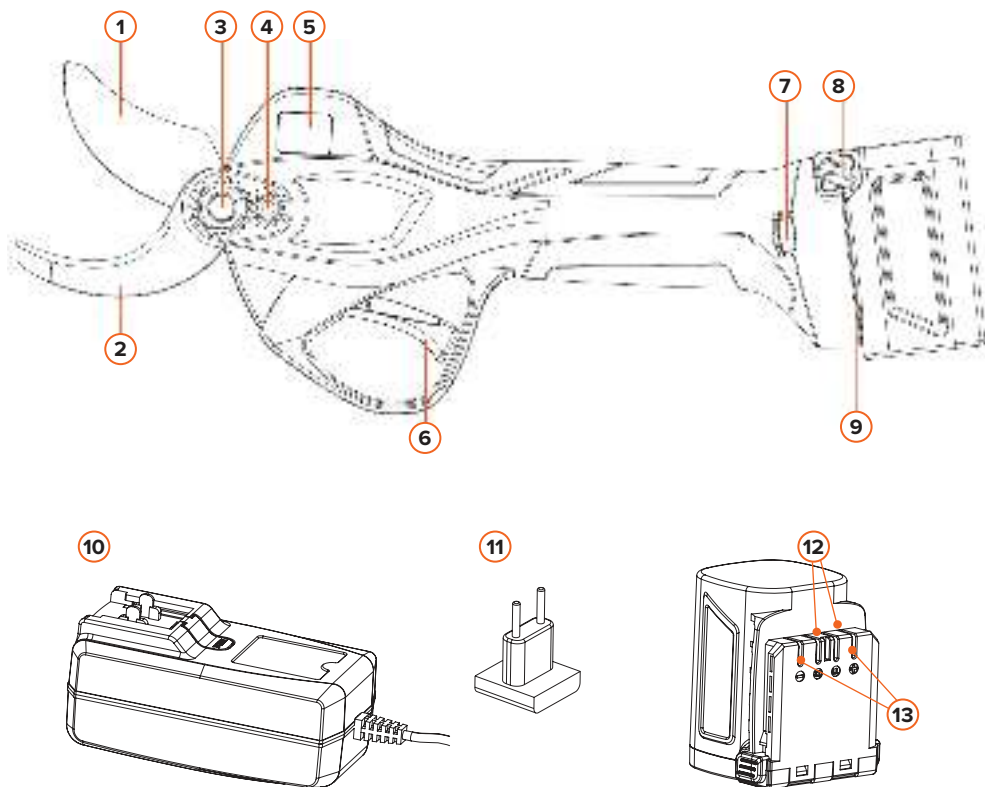
INCLUDED IN THE CASE

1. Electric pruning shear
2. Battery charger
3. Battery pack
4. Tool kit



Product components

1. Cutting blades
2. Counter blade
3. Head shaft
4. Block screw
5. LCD screen
6. Trigger
7. Button ON/OFF
8. Battery removal button
9. Battery location
10. Charger plug
11. Charger AC socket
12. Battery charging jack
13. Battery discharge socket



Safety precautions

While operating the electric pruning shear, keep hands away from the cutting area to avoid possible injuries.

INTENDED USE

1. Batteries and chargers not explicitly approved for the pruning shear may cause a fire or explosion. This can result in serious or fatal injuries and cause property damage.
2. Use of the pruning shear, battery or charger for the purpose for which they were not designed may result in serious or fatal injuries and may cause property damage.

USER REQUIREMENTS



WARNING! Users who have not received instructions, are not aware of and cannot assess the dangers of the pruning shear, battery and/or charger, the user or others can be seriously injured or killed.

Read the instruction manual, make sure you understand it and keep it in a safe place for possible future reference.

The user must meet the following requirements:

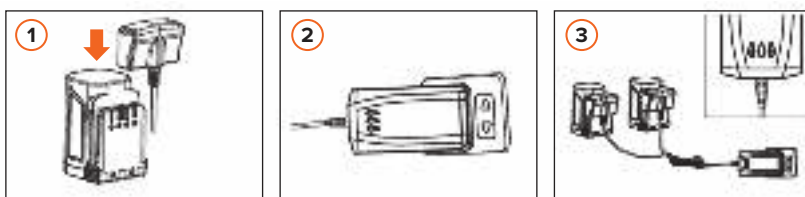
- a) The user is physically, sensory and mentally capable of using the pruning shear, battery and charger to work with them. If the user is able to operate the power tool, but has physical, sensory or mental restrictions, the user can only work with the equipment under the supervision of a responsible or after receiving instructions.
- b) The user is an adult.
- c) The user has received instructions from a service dealer or other expert before using the pruning shear for the first time and before using the charger and battery.
- d) The user is not under the influence of alcohol, medications and/or drugs.

Use, maintenance and precautions of the battery

BATTERY CHARGE

The battery of the new pruning shear is not fully charged. Place the battery on the desk, insert the charger output connector into the battery socket as illustrated in Fig. 1, then plug the charger into the power socket. When the indicator light comes on, charging begins. When the charger indicator light is red, it indicates that the charger is charging; when it is green, charging has already been carried out and the battery can be used.

Charging steps:



1. Take the battery and insert the charger plug into the battery, as shown in Fig. 1;
2. Plug the charger into an electrical outlet.
3. When the charger indicator light is red, it indicates that the charger is charging; when it is green, it indicates that the battery is charged.



PRECAUTIONS: Each indicator light represents the charging status of a plug. This charger has two/three plugs, as illustrated in Fig. 3. Depending on the model of the product you buy, it will have two or three plugs.



Use the charger included in the package to charge the battery, there is an indicator light corresponding to each charging plug (either for individual charging or multiple charging, check the indicator light on the charger to determine if charging is complete. The charger adopts sequential charging method instead of simultaneous charging).

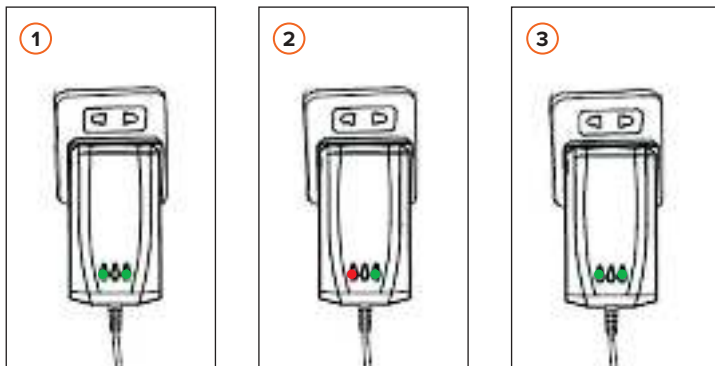
NOTE: If the battery is connected or the power supply is not connected, the indicator light will be green.

IMPORTANT: Batteries connected to a charger that is unplugged from the electrical outlet will cause a deep discharge of the batteries and they will be unrecoverable.

To charge two batteries with one charger:

As shown in the figure

1. Not charged
2. Charging
3. Fully charged



NOTE: In case that two or three batteries are connected, charging will start by the order of 1 to 2 and then to 3, during which the indicator light is red and will turn green when the battery is fully charged. If the current battery is fully charged, the charger will jump to the next battery to be charged in the order mentioned above.

PRECAUTIONS

1. It is normal for the charger and battery to become slightly warm during charging.
2. A new battery or a battery without long-term use will take approximately 5 charge and discharge cycles to reach maximum capacity.
3. Do not recharge the battery after a short period of operation, as it can reduce battery life and performance.
4. Do not use a damaged battery or disassemble the charger and/or battery.
5. The battery will explode when it catches fire. Do not heat the battery.
6. Do not charge the battery outdoors and/or in humid environments.
7. As the battery power decreases, the cutting diameter capacity will decrease.
8. During the charging process, the electric pruning shear must be unplugged, it is strictly forbidden to use electric pruning shear when they are charging.
9. Do not store the battery in a humid environment.
10. **VERY IMPORTANT:** If the battery is not used for a long time, it should be recharged at least once every 3 months to maintain the battery life.

BATTERY MAINTENANCE

1. Do not charge in an environment with the temperature below 0oC and above 45oC, can damage the battery and charger.
2. Turn OFF the power button before connecting the battery. If the power button is ON, accidental connection of the battery with the pruning shear is likely.
3. Only use the charger specified by the manufacturer to charge the battery, if the charger is not compatible with the battery, it may cause fire and other hazards when charging the battery.
4. When the battery is not in use, keep it away from small metal objects such as paper clips, coins, keys, nails, screws that will lead to short-circuit the battery, short-circuit of the battery can cause burns or fire.
5. Do neither disassemble nor reassemble the battery.
6. Using a battery that has been short-circuited is prohibited.
7. Do not use the battery near any heat source.
8. Do not throw the battery into fire or water.
9. Do not charge near fire or sunlight.
10. Do not insert any object into the battery and/or hit or throw the battery with a hammer or foot.
11. Do not use batteries that are severely damaged or deformed.
12. You cannot solder directly on the battery.
13. Reversing the charge, reversing the polarity and over-discharging the battery is prohibited.
14. Do not connect the battery directly to the power outlet and/or the car cigarette lighter.
15. Do not use the battery in non-designated devices.
16. Direct contact with the lithium battery is prohibited.
17. Do not place the battery in containers with high temperature and high pressure, such as an oven or microwave.
18. Do not use any leaking battery.
19. Keep the battery away from children.
20. Do not use or place the battery under the sun (or direct sunlight), otherwise the battery may overheat and catch fire, resulting in a malfunction and a shorter service life.
21. Do not use the battery in places with static electricity (>64V).
22. When the battery is used for the first time, in case of corrosion, bad smell or any abnormality, it is prohibited to use the battery and must be returned to the point of sale.
23. If the skin or clothing is stained with battery electrolytes, rinse with clean water.
24. If the electric pruning shear is not used for a long time, the battery should be charged for storage.

Product operation

MAINTENANCE BEFORE USE

Instructions before start-up:

1. Check the battery power before use.
2. When the pruning shear is not in use, make sure it is unplugged. In particular, note that the pruning shear must be disconnected during the addition of lubricant, sharpening and/or replacement of the cutting blade.
3. Check cutting blade and counter blade adjustment before using electric pruning shear.

START-UP

1. Insert the battery into the location battery of the electric pruning shear.
2. Turn ON the shear ON/OFF button and the screen will light up. The first power-on buzzer will keep 2 times, then the trigger is pressed 2 times to activate the electric pruning shear.
3. **Normal pruning:** Press the trigger to close the blades and release the trigger to open them. Blades closure: Keep the trigger pressed for approximately 5 seconds, and after the acoustic signals (2 beeps) stop pressing the trigger. The blade will remain closed. Then press the trigger 2 times to activate the electric pruning shear again.
Change opening of the blade: Keep the trigger pressed for approximately 1 second, after the acoustic signal (1 beep) stop pressing the trigger. The blade will change the opening.
Select opening of the blade: Keep the trigger pressed for approximately 1 second on the desired diameter, after the acoustic signal (1 beep) stop pressing the trigger. The blade will keep in the desired opening.
Activate/Deactivate progressive cutting: With the shear OFF, press the button ON/OFF and then hold down the trigger for approximately 15 seconds until you hear the acoustic signals (3 beeps).
Blade crossing adjustment: Turn ON the shear, then press the ON/OFF button 5 consecutive times until you hear the acoustic signals (1 beep). Press the trigger twice to open the blades. Once open, press the trigger again so that the blade goes to the first adjustment point, at this point each time the trigger is pressed the blade crossing will increase. When the crossing is the desired one, wait for the acoustic signals (1 beep). Then press the trigger 2 times to activate the electric pruning shear again.
4. Before starting to cut, check that the pruning shear works well, please check that when the trigger is pressed the blades close and when the trigger is released the blades open. Repeat this a few times.
5. Start working after checking that the shear works well.

TURN OFF

1. Press the trigger and holding it down for a few seconds and then releasing it, the blade will close and not open.
2. Turn OFF the battery, remove the battery from its location in the pruning shear.
3. Organize, clean and store the shear in the suitcase.

FAILURE TIPS

If there is a fault, perform related processing according to the display indicator code. Display screen failure warning.

Display screen failure warning: When using the shear, if any of these codes appear on the display screen, it can be repaired or processed according to the corresponding fault advice.

Alarm content	Number of flashes LED	Number of beeps	Display screen fault advice
No fault	0	0	E00
Current sensor error	2	6	E02
MOS tube damage	3	6	E03
Hall fault / Blade breaking	4	3	E04
Peak overcurrent / Average current protection	5	5	E05
Blocked opening / Blocked rotor	6	3	E06
Default phase	7	4	E07
Undervoltage / Overvoltage	8	1	E08
MOS / chip over-temperature	9	6	E09
PWM communication failure / Shears bit voltage error	10	2	E10
Shears bit type error	10	7	E10
EPROM error	11	6	E11
Phase detection failure	12	4	E12
Programming error	13	6	E13
Historical pruning times	14	8	E14
Maintenance pruning times	15	8	E15
The number of batteries in the shears bit and battery pack is different	16	9	E16
The mainboard fails to communicate with the battery pack	17	10	E17

E14: Defined, unexecuted protection.

E15: Defined, only unexecuted protection is reminded and the display screen beeps five times per minute.

Cutting blade lubrication



Please, disconnect the battery of the pruning shear before operation.

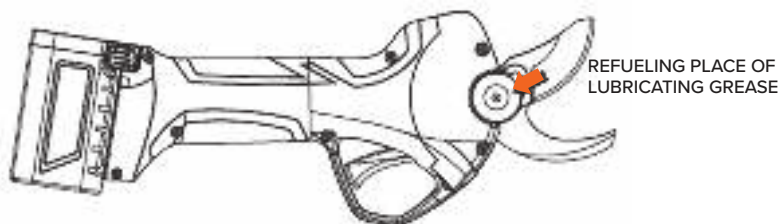
Lubricate the cutting blade before using the shear or after using it for more than 4 hours.

To properly lubricate the shear cutting blade, it is necessary that the cutting blade and the counter blade are open, as seen in the following image.

STEPS FOR CUTTING BLADE LUBRICATION

Lubricate in the blade pin hole in the back of the shear.

Apply the lubricating grease BCL2LGRE into the hole in the cutting blade and cut through the air several times so that the lubricating oil is distributed evenly.



Adjusting the cutting blade



Please, disconnect the battery of the pruning shear before operation.

Check cutting blade tension/tightness before using pruning shear.

A cutting blade with the proper tension will not rotate left and/or right. Proper blade tightening will save labour when pruning with the electric shear.

PRECAUTION: When the cutting blade is closed it should not have a lateral oscillation. Lateral rotation is an abnormal state, as it will create a gap between the two blades and cause the gear teeth to not mesh properly, thus damaging the mechanical structure.

Cutting blade replacement

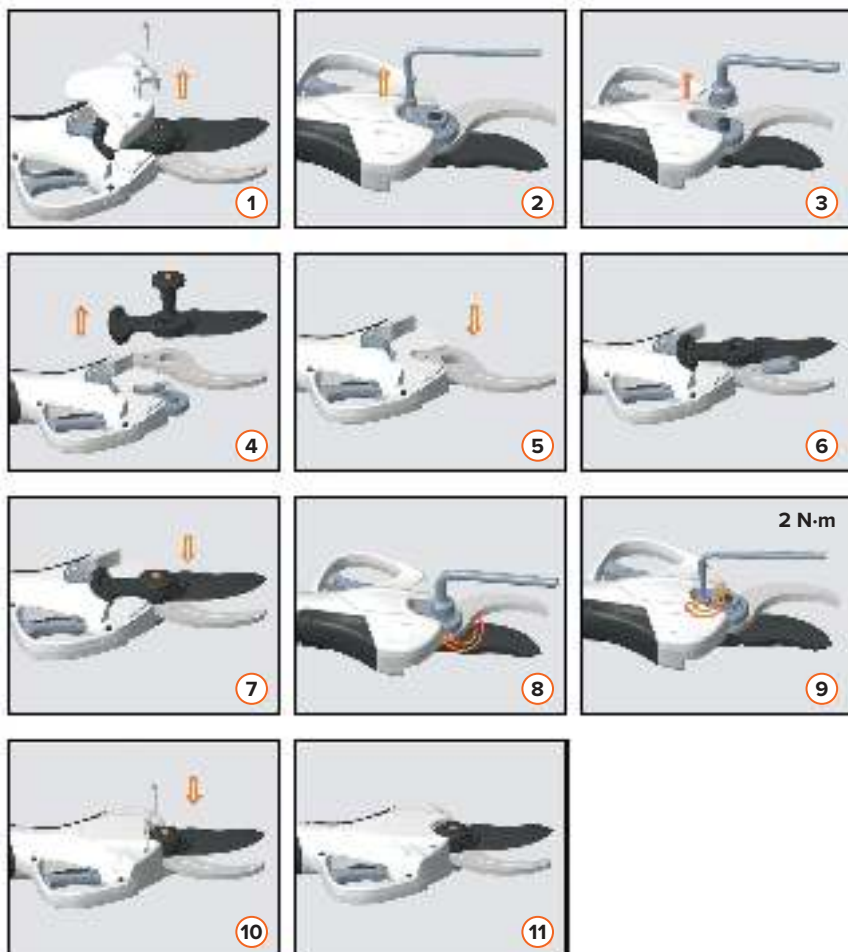


Please, disconnect the battery of the pruning shear before operation.

When the cutting blade no longer crosses the counter blade or shows signs of severe wear while cutting, it is recommended to replace the cutting blade.

STEPS FOR BLADE REPLACEMENT

1. For safety, turn the shear OFF and remove the battery before replacing the cutting blade.
2. Follow the steps in the image below to replace the cutting blade.
3. After replacement, clean, connect the battery, check the power and close the blades.



Use, maintenance and precautions of the shear

1. Do not cut the branches beyond the specified cutting diameter of the shear; do not cut hard objects such as metal and stone or any other non-plant material. Do not hold tools in a bench vise. If the cutting blade is worn or damaged, replace it in time.
2. Keep the shear and its components clean. Use a clean cloth to clean the electric pruning shear, batteries and charger (do not use corrosive cleaners or solvents). Use a soft brush or dry cloth to clean the dust from the shear head.
3. Do not immerse the electric pruning shear, batteries and/or charger in any liquid, including water.
4. Use the electric pruning shear in accordance with the instructions for use. Do not use the electric pruning shear, battery and charger if they are damaged.
5. If pressing the power button does not turn the shear ON or OFF correctly, do not use it, since it is dangerous to use it when the power button does not work. It will need to be repaired.
6. Make sure the power button is OFF when making adjustments, replacing accessories, or storing the electric pruner. This preventive measure will reduce the risk of accidental starting of the electric shear.
7. Keep unused shear out of the reach of children. Do not allow the use of the shear to those who are not familiar with electric pruning shears or who do not understand the instructions. It is dangerous for untrained users to use it.
8. When using the shear and its accessories, follow the instructions for use and methods of use, as well as take into account the work environment and the tasks to be performed. Using them in any operation that does not meet the requirements can be dangerous.
9. After using the shear, remove dirt from the cutting blade and counter blade, then lubricate the cutting blade and check the blades fit.

PRECAUTIONS FOR USE

1. When the branch to be pruned is too hard, the trigger should be released in time and then the cutting blade will automatically reopen.
2. If the battery cannot be charged properly, first check if the battery charger is properly connected. Then make sure the charging voltage is the same as indicated in the nameplate.
3. If any electrical or mechanical failure occurs, turn OFF the power button immediately.
4. If it does not work according to the instructions, it may cause the battery liquid to erupt. Please do not touch the liquid. In case of accidental contact, rinse immediately with water. If the liquid splashes into the eye, after rinsing with water, go to hospital, as the liquid expelled from the battery may cause irritation or burns.

Safety precautions



Keep the blades closed when the pruning shear stops working.

WARNING! Reading all instructions carefully, failure to follow all instructions can cause electric shock, fire or other serious injuries!

WORKPLACE SAFETY PRECAUTIONS

1. Keep the workplace clean, dark and chaotic workplaces can cause accidents.
2. Do not operate the electric pruning shear in explosive, flammable and/or humid environments.
3. Operate the electric pruning shear only after children and bystanders leave the job site to avoid accidental injuries during operation.

ELECTRICAL SAFETY INSTRUCTIONS

1. The plug on the battery must match the connector on the battery. Do not modify the plug and/or connector.
2. Do not expose the shear to rain or moisture. Water or other liquids can increase the risk of electric shock and damage to the device.
3. Do not mistreat the cables. Do not use the power cord to lift, pull the shear, or unplug. Keep the shear away from heat, oil, sharp edges or moving parts. Do not use the charger when the power cord or plug is damaged. Damaged and tangled cords can increase the risk of electric shock.

PERSONAL SAFETY INSTRUCTIONS

1. Be alert, pay attention to the operation and stay awake when working with the electric shear. Do not use the electric shear under fatigue, medication and/or if alcohol has been consumed. Distraction during operation can cause serious personal injuries.
2. Wear safety protections and always wear protective glasses. In appropriate conditions, non-slip safety shoes, helmet, hearing protection, etc. can reduce personal injuries.
3. Remove all adjusting keys before turning **ON** the shear. Any adjustment wrench left in the rotating parts of the shear can cause personal injuries.
4. When operating, do not overstretch your hands, keep them away from the work area, ensure that no material or surface under the operating area is not damaged, always pay attention to the balance between the feet and the body to better control the electric shear in case of any accident.
5. Dress appropriately, do not wear loose clothing, and keep your hair, clothing, and sleeves away from moving parts, as loose clothing, ornaments, or long hair can get caught in moving parts.

General power tool safety warnings



WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

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.

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.
- f) If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.

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 power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- 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 jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry 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.

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.

WARNING: The use of any accessory or attachment or performance of any operation with this tool, other than those recommended in this instruction manual may present a risk of personal injury.

- 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 the 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.

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.

SNAE General Warranty

1. Where permitted by law, all hand tools for professional use in the catalogue are offered with a lifetime warranty - a warranty against material and manufacturing defects for the normal lifetime of the tool in question. 'Lifetime' is defined as the period of time a tool can be expected to last under normal use and conditions. As a reminder, the professional use is defined as the use of the tool for purposes which are related to a trade, business, or profession of the user.
2. The following are excluded from this above lifetime warranty for professional use: pneumatic tools, hydraulic tools, battery powered tools, electrical/electronic tools, torque tools, automotive tools and measuring tools. These tools and other tools not covered by lifetime warranty have a warranty period is ONE YEAR (12 months) from the purchase date of the product unless other conditions are defined in the specific warranty conditions of the tool. Batteries are warranted to be free of defects in workmanship and materials for a period of TWO YEARS from the date of original purchase. If inspection shows the issue is caused by defective workmanship or materials, the product will be repaired (or at our option, replaced) without charge if still within the warranty period.
3. The warranty period for consumers (non-professional use) will be defined by the local regulation about consumers' goods.
4. Defective products will be repaired, replaced or substituted. In general, SNA Europe does not cover the cost of immobilization, relocation, site visit or onsite repair at the customer's premises or travel costs for repair, replacement or substitution of products.
5. Any product that has been incorrectly used or incorrectly maintained, or that is worn from improper use or that has suffered unauthorized modifications, is not covered by this warranty.
6. This warranty does not cover any repairs or parts that are subject to wear resulting from use or other natural wear and tear, such as but not limited to blades, rubber parts, seals, gaskets, sanding plates, gears, bearings, wheels, oil, air filters, clamps and other parts defined as consumables. This warranty does not cover as well defects in the tool caused by use or other natural wear and tear.
7. Any product that has been used under environmental conditions for which it was not designed or that has suffered any damage caused by external influences (water, salt water, chemical, physical, impact, extreme temperatures) or foreign substances is not covered by this warranty. In case of loss or the total or partial destruction of the product, the product is not covered by this warranty unless the beneficiary of the warranty provides precise technical proof of the origin of the claim, a material defect or a construction defect, and of the components of the product concerned.
8. A warranty claim must be submitted within the warranty period. This requires the submission or shipment of the complete tool in question with verification of sale documentation, which must validate the purchase date and the product designation, to the retailer or distributor.
9. Replacement or repair of the product will be carried out as quickly as possible. On receipt of the replaced or repaired product the customer is requested to validate conformity. Replacements and repairs provided under the warranty do not lengthen or renew the warranty period for the tool.
10. Any maintenance or repair carried out during the warranty period must, under penalty of voiding this warranty, be carried out by an authorized distributor or official service agent, except for the maintenance operations to be carried out by the user as specified in the product manual.