

ENG

Translation of the
original user guide



HEDGE-TRIMMER HELION ALPHA

Operating instructions

54_146380-B
04/2020

**READ THE OPERATING INSTRUCTIONS
MANUAL CAREFULLY BEFORE USE**

   #LOVEELECTRIC

PELLENC

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1. INTRODUCTION

Dear Customer,

Thank you for purchasing your Hedge-trimmer Helion Alpha. Correctly used and maintained, this tool will give a satisfactory performance for many years.



Warning

Your device contains numerous recoverable or recyclable materials. Return it to your dealer or, failing this, to an approved servicing centre to be treated.



Comply with the regulations in force in your country as concerns environmental protection associated with your activity.



Warning

It is imperative that you read through the ENTIRE user's manual before using or servicing the tool. Always comply with the instructions and illustrations in the manual.

All through this user guide you will find advisory notes and information entitled: NOTE, IMPORTANT, ATTENTION and WARNING.

The points marked "NOTE" indicate additional information.

The points marked "IMPORTANT" warn the user of a potential risk to the equipment.

The points marked "ATTENTION" warn the user of a potentially hazardous situation which if not avoided leads to minor injuries.

The points marked "WARNING" warn the user of a potentially hazardous situation which if not avoided leads to serious injury or death.

The warning  indicates that damage resulting from failure to comply with the procedures and instructions is not covered by the warranty and the owner will be liable for any repair costs.

Safety indications are also given on the tool; they remind you of the safety precautions to be taken. Identify and read these indications before using the tool. Immediately replace any indications that may become partially illegible or deteriorated.

Refer to Section 2.4, "Safety signage" for the location diagram of the safety stickers affixed to the tool.

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2. SAFETY

- The Hedge-trimmer Helion Alpha is a professional tool whose use is reserved exclusively for trimming vegetation.
- PELLENC S.A.S declines responsibility in the event of damage caused by incorrect operation or use differing from that intended.
- PELLENC S.A.S also declines responsibility in the event of damage caused by the use of non-original parts or accessories.

2.1. 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.

Note

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.

2.1.1. WORK AREA SAFETY

1. **Keep the work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **Do not operate power tools in an explosive atmosphere, for example in the presence of flammable liquids, gases or dust.** Power tools create sparks, which can ignite dust or fumes.
3. **Keep children and bystanders away while operating the power tool.** Distractions can cause you to lose control of the tool.

2.1.2. ELECTRICAL SAFETY

1. **The power tool connector must be adapted to the socket. Never modify the connector in any way whatsoever. Do not use adapter plugs with earthed (grounded) power tools.** Unmodified plugs and suitable sockets reduce the risk of electric shock.
2. **Avoid contact with earthed surfaces such as pipes, radiators, cookers, and refrigerators.** There is an increased risk of electric shock if your body is in direct contact with the ground.
3. **Do not expose power tools to rain or damp conditions.** The entry of water into a power tool increases the risk of electric shock.
4. **Do not mishandle the power cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges and moving parts.** Damaged or entangled cords increase the risk of electric shock.
5. **Use an extension cord suitable for outdoor use when operating power tools outdoors.** Use a cord suitable for outdoors to reduce the risk of electric shock.
6. **Use a power supply protected by a residual current device (RCD) when the power tool is operated in a damp location.** Use of an RCD reduces the risk of electric shock.

Note

The term "Residual Current Device" (RCD) can be replaced by "Ground Fault Circuit Interrupter" (GFCI) or "Earth Leakage Circuit Breaker" (ELCB).

2.1.3. PERSONAL SAFETY

1. **Stay alert, watch what you are doing, and use common sense when operating the 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 when using a power tool can result in serious personal injury.
2. **Use personal protective equipment. Always wear eye protection.** Safety equipment such as dust masks, non-slip safety shoes, helmets, or ear protection used at the appropriate times reduces injuries.
3. **Avoid accidental starting of the tool. Make sure the switch is in the off position before you connect the tool to the power source and/or battery pack, pick it up, or carry it.** Carrying a power tool with your finger on the switch or connecting a power tool with the switch in the 'on' position can cause accidents.
4. **Remove any adjusting wrench before switching the electric tool on.** A wrench left attached to a rotating part can cause injury.
5. **Do not rush. Keep proper footing and balance at all times.** This provides better control of the power tool in unexpected situations.
6. **Dress appropriately. Do not wear loose clothing or jewellery. Keep hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can get caught in moving parts.
7. **If devices are provided for connecting dust extraction and collection equipment, ensure that 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.

2.1.4. POWER TOOL USE AND CARE

1. **Do not force the power tool. Use the power tool suited for the job.** The adapted power tool does the work better and more safely at the speed it was built to operate at.
2. **Do not use the power tool if the switch does not allow it to be switched on and off.** Power tools that cannot be controlled by a switch are dangerous and must be repaired.
3. **Unplug the tool from the socket or remove the battery (if possible) before any adjustment, change of accessory or storage.** These preventive safety measures reduce the risk of accidentally starting the power tool.
4. **When not in use, keep power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate it.** Power tools are dangerous when operated by inexperienced users.
5. **Maintenance of the power tool and its accessories is mandatory. Check that the moving parts are not out of alignment or jammed, that there are no broken parts or that there is no other condition which could affect the operation of the power tool. If damaged, repair the power tool before using it.** Many accidents are due to poorly maintained power tools.
6. **Keep the cutting elements sharp and clean.** Properly maintained cutting tools with sharp cutting elements are less likely to jam and are easier to control.
7. **Use the power tool, accessories, blades, etc. in accordance with these instructions, taking into account the working conditions and the work to be done.** 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.

2.1.5. BATTERY TOOL USE AND CARE

1. **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.
2. **Use power tools only with specifically designated 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, wash away with water. If liquid contacts eyes, seek additional 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.** Damaged or modified batteries may 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.

Note

The temperature "130°C" can be replaced by the temperature "265°F".

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.

2.1.6. 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.

2.1.7. TOOL'S END-OF-LIFE MANAGEMENT

1. **When the tool reaches the end of its life, PELLENC keeps the end of life sheet of the equipment at disposal.** The end of life sheet provides instructions for safely removing components.

2.2. SAFETY WARNING FOR THE HEDGE-TRIMMER

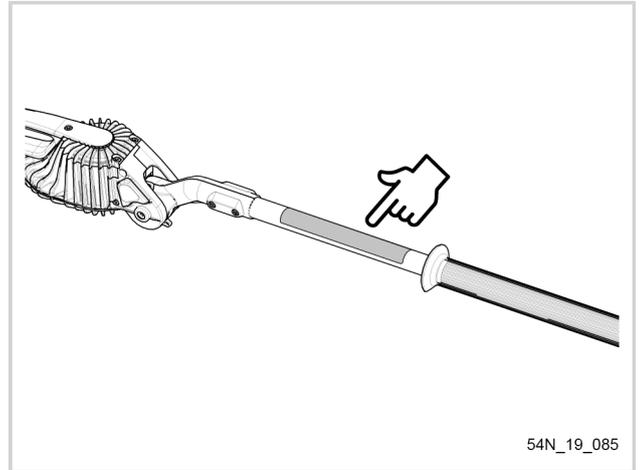
1. **Keep all parts of the body away from the cutting blade. Do not clear away cut materials or hold elements when blades are moving.** The cutting blades continue to move after powering off. A moment of inattention while operating a hedge-trimmer may result in serious personal injury.
2. **Carry the hedge-trimmer by the handle with the cutter bar stopped and being careful not to press the On/Off switch.** Proper transportation of the hedge-trimmer reduces the risk of inadvertent starting of the machine and bodily injuries from the blades.
3. **When transporting or storing the hedge-trimmer, always install the blade protector sheath.** Correct use of the hedge-trimmer reduces the risk of bodily injury from the blades.
4. **When clearing jams or repairing the machine, make sure all power switches are off and the power cable is removed or disconnected.** Unintentional activation of the hedge-trimmer when clearing jams or undertaking repairs can result in serious injury.
5. **Hold the hedge-trimmer with both hands on the insulated gripping surfaces only, as the blade may come into contact with hidden electrical wires.** Blades that come in contact with an "active" wire may "electrify" the exposed metal parts of the hedge-trimmer and expose the operator to electrical shock.
6. **Keep all power cords and cables away from the cutting area.** Power cords and cables may be hidden in hedges or bushes and can be accidentally cut by the blade.
7. **Do not use the hedge-trimmer in adverse weather conditions, especially if there is a risk of lightning.** This decreases the risk of being struck by lightning.

2.3. SAFETY WARNINGS FOR THE POLE HEDGE-TRIMMER

1. **To reduce the risk of electric shock, never use the pole hedge-trimmer near power lines.** Contact with power lines or use near power lines can cause serious injury or electric shock resulting in death.
2. **Always use both hands when using the pole hedge-trimmer.** Hold the pole hedge-trimmer with both hands to prevent loss of control.
3. **Always wear protective headgear when using the pole hedge-trimmer overhead.** Falling debris can cause serious injury.

2.4. SAFETY SIGNAGE

The sticker is located on the pole between the hedge-trimmer blade and the front handle.



LwA sound power level guaranteed.



Read the user guide.



Safety goggles, hearing protection and a protective helmet must be worn



Sharp cutting tool: Keep your hands away from the hedge-trimmer blade.



Electricity conducting materials. Keep at least 10 meters away from any electrical power source.



Risk of burns (motor)



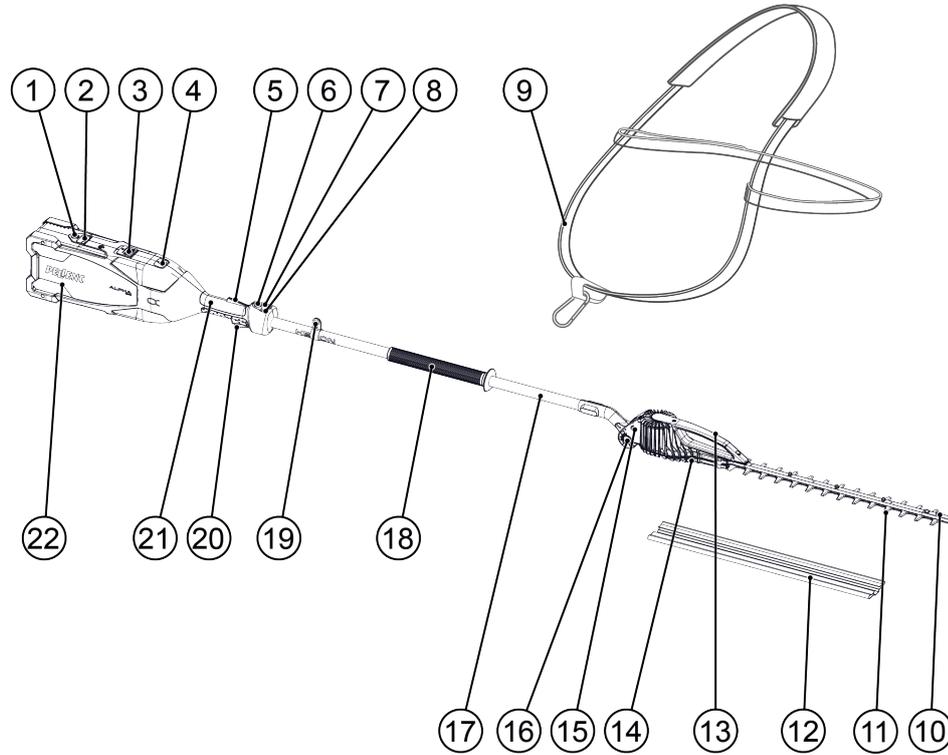
Protection rating IP54 (Allover protection against dust and water spray).

2.5. PERSONAL PROTECTION EQUIPMENT

	Equipment	Wear
	1 Safety helmet	Required
	2 Protective visor	Recommended
	3 Protective gloves	Recommended
	4 Safety footwear	Recommended
	5 Ear protection	Required
	6 Protective goggles	Required
	7 Jacket or over-sleeves	Recommended
	8 Work trousers	Recommended

3. DESCRIPTION AND TECHNICAL CHARACTERISTICS

3.1. DESCRIPTION OF THE HEDGE-TRIMMER



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- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Battery On / Off button: turns the battery on or off. 2. Digital battery display: displays information related to the battery. 3. Battery safety lock 4. Battery locking clip 5. Safety throttle: prevents inadvertent actuation of the control trigger. 6. Tool handle On / Off button: turns the tool on or off, and selects the speed. 7. Tool handle digital display: displays information related to the battery and the tool (Charge rate, faults, etc.). 8. LEDs: display the selected speed. 9. Carrying strap 10. Anti-kickback guard: protects the blades from coming into contact fence posts, masonry, etc. 11. Hedge-trimmer blade. | <ol style="list-style-type: none"> 12. Protective sleeve: protects the hedge-trimmer blade. 13. Upper handle 14. Screw: allows access for lubrication of the hedge-trimmer blade gear block 15. Pivot unlocking button: allows you to unlock the pivot lock of the hedge-trimmer blade. 16. Pivot axis: allows adjustment of the pivot stiffness of the hedge-trimmer blade. 17. Tube 18. Front handle 19. Carrying strap eyelet: allows attachment the carrying strap (not included with the tool). 20. Control trigger: allows the speed of the hedge-trimmer blade to be increased/decreased gradually. 21. Rear handle 22. Battery alpha 260 / alpha 520 (supplied separately) |
|---|---|

3.2. TECHNICAL FEATURES

Model	Helion Alpha
Power	900 W
Power supply voltage	43.2 V
Weight (without battery)	3.75 kg
Dimensions (L x W x H) in mm	2181 x 93 x 153
Effective cutting length / Hedge-trimmer blade	510 mm
Space between teeth	33 mm
Teeth height	23 mm
Blade speed	3200 to 3800 cuts/min
Adjustable angle hedge-trimmer blade	- 180° (Transport) -90° / + 45°
Battery life	Depends on use and battery type

Vibratory emission values at the handle (uncertainty of K = 1.5 m / s ²)	ah = 3.4 m/s ²
--	---------------------------

Average measured acoustic power level (uncertainty of K=3 dB)	L _{WA} = 96 dB
Level of acoustic pressure measured at the work position (uncertainty of K=3 dB)	L _{pA} = 82 dB

Values determined according to Standards EN 62841-1:2015 and EN 62841-4-2:2019.

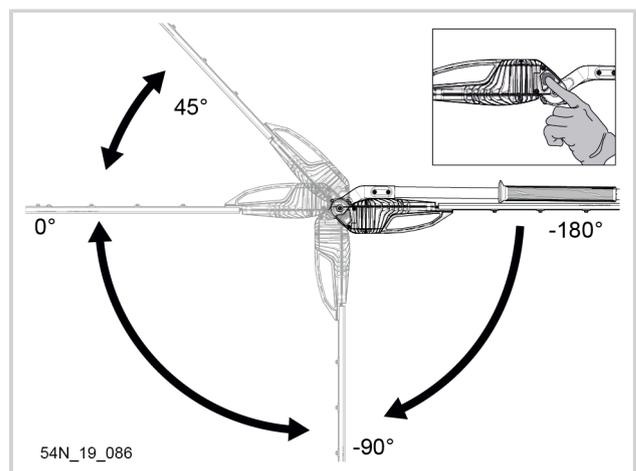
4. COMMISSIONING

For information about mandatory PPE when handling your tool, refer to Section 2.5, “Personal protection equipment”.

The Hedge-trimmer Helion Alpha is delivered pre-assembled. Unfold the hedge-trimmer blade, charge and connect the battery, the tool is ready to use.

4.1. UNFOLDING THE HEDGE-TRIMMER BLADE

1. Press the hedge-trimmer blade pivot unlocking button.
2. Unfold the hedge-trimmer blade to the desired position/angle using the upper handle.
3. Release the hedge-trimmer blade pivot unlocking button.



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4.2. CONNECTING AND DISCONNECTING THE PELENC ALPHA 260 OR 520 BATTERY

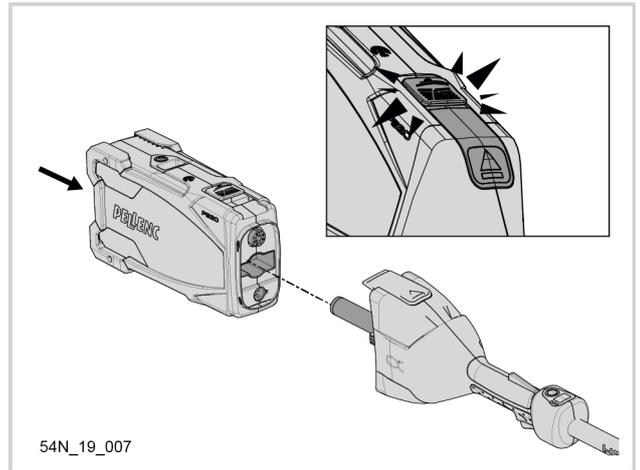


Caution

 Use only PELENC ALPHA 260 or PELENC ALPHA 520 batteries to power the tool.

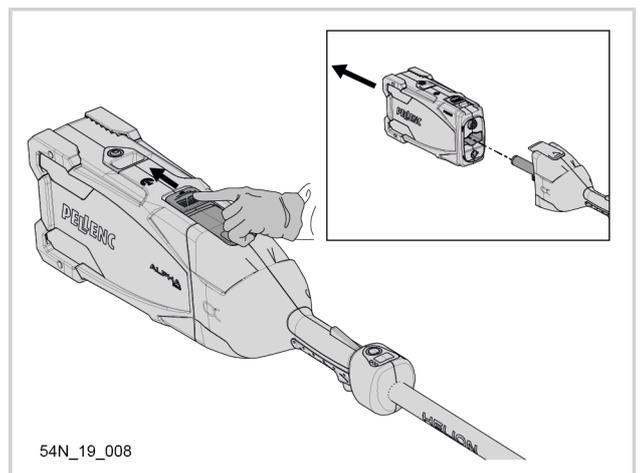
4.2.1. BATTERY CONNECTION

1. Position the battery with the digital display of the battery facing up.
2. Push in the battery until the locking clip engages and the safety lock is closed.



4.2.2. DISCONNECTING THE BATTERY

1. Pull the security lock to open it.
2. Press the locking clip while keeping the safety lock open.
3. Remove the battery.



5. USE

5.1. PROTECTIVE SLEEVE

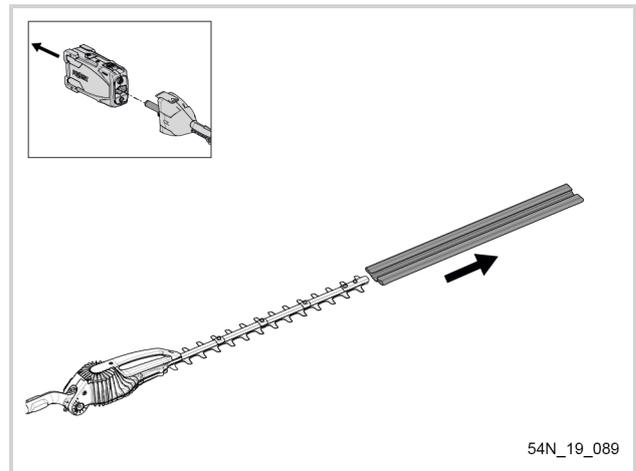
The protective sleeve protects both the hedge-trimmer blade and the user.

Important

Always disconnect the battery from the tool before removing or putting on the protective sleeve.

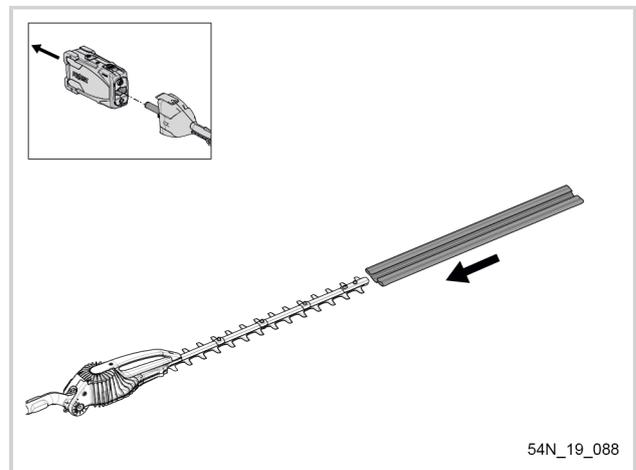
Remove the protective sleeve

- Before using the tool.



Fit the protective sleeve

- After using the tool.
- When adjusting the blades cutter bar angle.
- For storage.
- For transport.



5.2. ADJUSTING THE HEDGE-TRIMMER BLADE ANGLE

5.2.1. HEDGE-TRIMMER BLADE WORKING POSITION

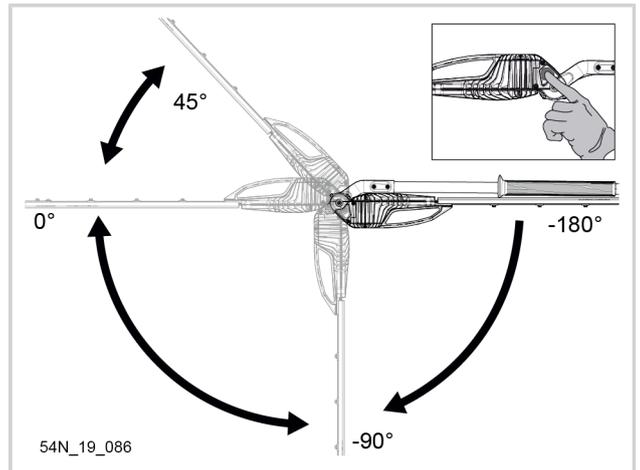
Adjust the angle of the hedge-trimmer blade according to the work to be done and to allow a comfortable working position.

1. Press the hedge-trimmer blade pivot unlocking button.
2. Adjust the hedge-trimmer blade to the correct angle for the work to be done using the upper handle.

The hedge-trimmer blade pivots in 15° increments.

The hedge-trimmer blade has an angle amplitude of -90° to 45°.

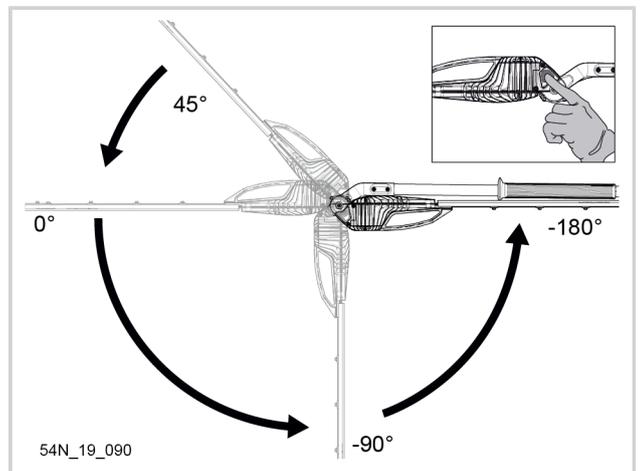
3. Release the hedge-trimmer blade pivot unlocking button.



5.2.2. TRANSPORT POSITION / FOLDING THE HEDGE-TRIMMER BLADE

1. Press the hedge-trimmer blade pivot unlocking button.
2. Adjust the angle of the hedge-trimmer blade to 180° using the upper handle.
3. Release the hedge-trimmer blade pivot unlocking button.

* In the transport position, the tool is inactive (Message E8, see Section 7.2, “**Summary of display messages**”).

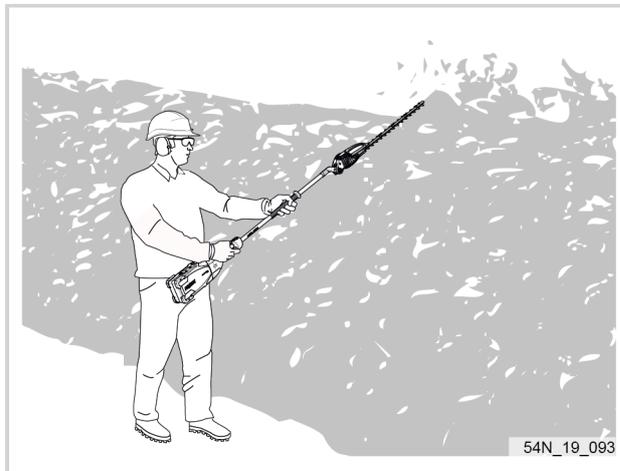


5.3. ADJUSTING THE WORKING POSITION

The working position must be adjusted according to the size of the operator.

It should allow easy use requiring little effort.

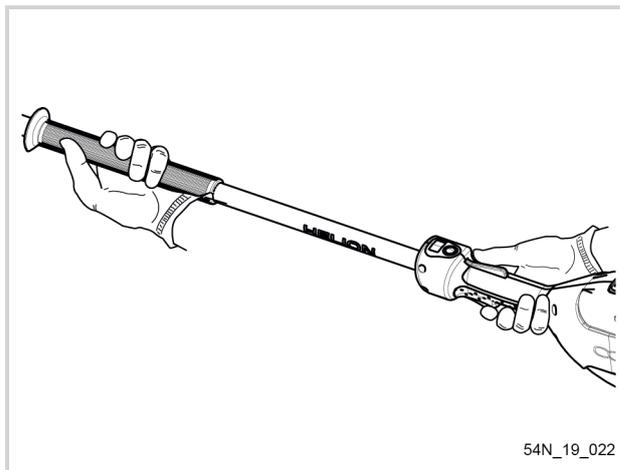
The user should not work with arms stretched or completely bent.



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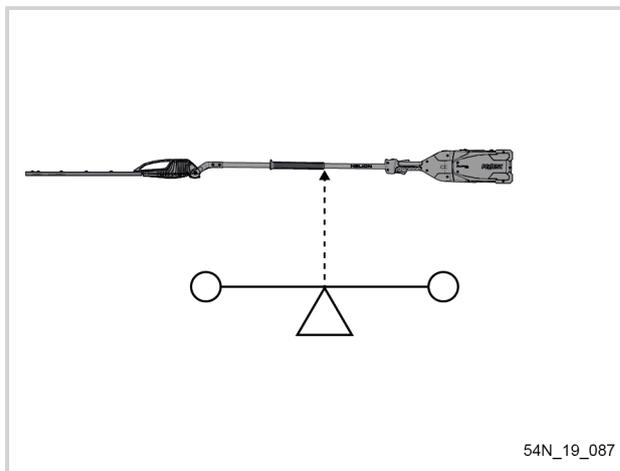
5.3.1. HOLDING THE TOOL

Hold the tool using the back and front handles.



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The tool is well balanced to reduce user effort.



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5.3.2. ADJUSTING THE CARRYING STRAP

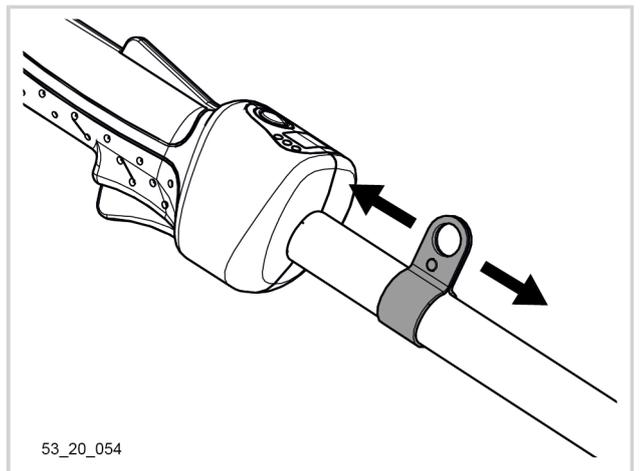
1. Put on the carrying strap.
2. Adjust the length.



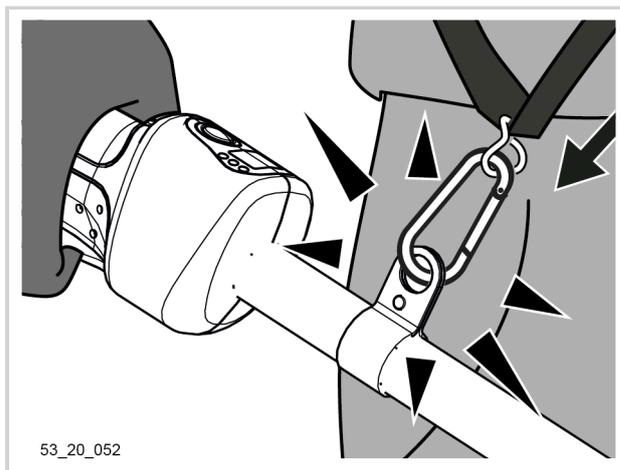
3. Pass the end of the strap which is self-attaching under the main strap.
4. Fold the self-attaching fastener over the main strap.



5. Mount the carrying eyelet on the tool pole.
6. Position the carrying eyelet so that the tool is balanced.
7. Fit and tighten the Torx screw.



8. Hook the carrying strap on the tool carrying eyelet.



5.4. POWER ON OR OFF

5.4.1. POWER "ON"

Check that the charge level is displayed on the battery display:

The charge level is not displayed on the battery display:

- Press the battery On/Off button.

The battery should emit a beep.

Then the charge level is displayed on the battery display.

The charge level is displayed on the battery display:

Powering up can be done in 2 ways:

- Press the battery On/Off button.

The 3 "speed" LEDs should light up on the tool handle.

Then the charge level is displayed on the handle display.

The current speed LEDs light up.

or

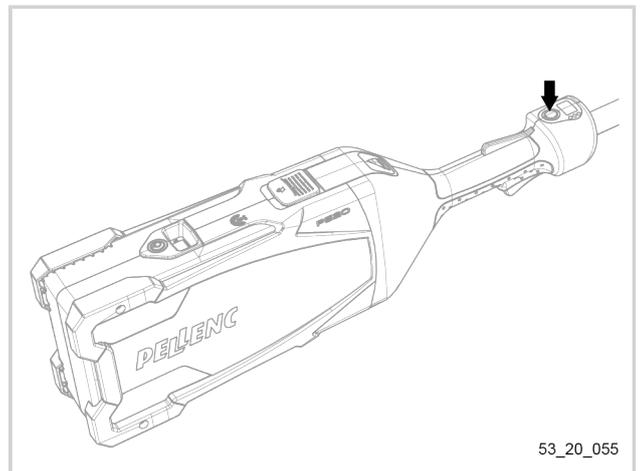
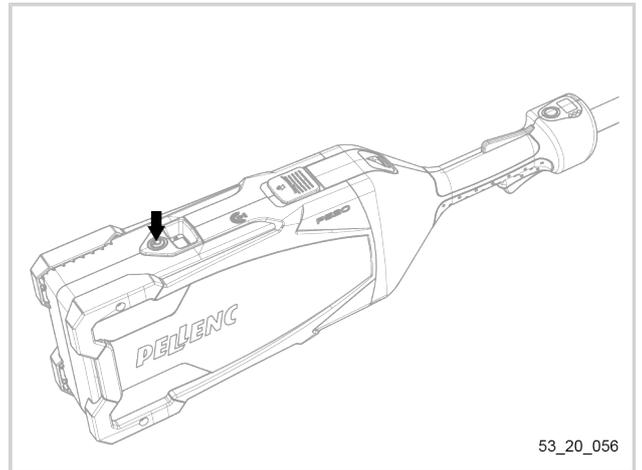
- Press the On / Off button on the tool handle for 1 second.

The battery should emit a beep.

The 3 "speed" LEDs should light up on the tool handle.

Then the charge level is displayed on the handle display.

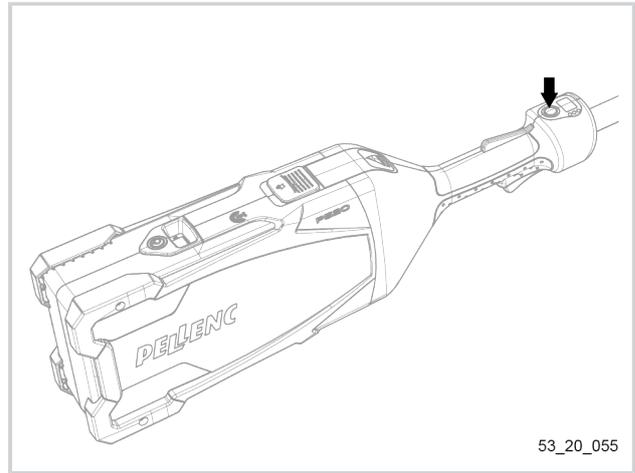
The current speed LEDs light up.



5.4.2. POWERING OFF

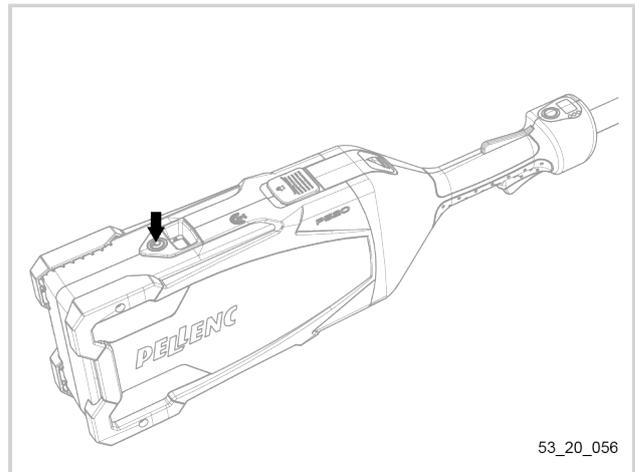
Powering off can be done in 2 ways:

- Press and hold the On / Off button on the tool handle for 3 seconds.
- "BY" is displayed on the handle display.



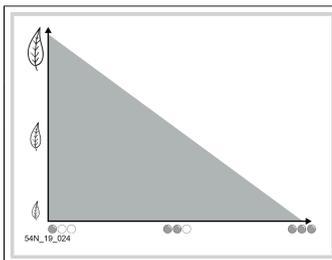
or

- Press the On / Off button on the battery.
- "BY" is displayed on the tool handle display.



5.5. CUTTING SPEED ADJUSTMENT

5.5.1. CUTTING SPEED RECOMMENDATION



Leaf size	Recommended blade cutting speed	Cutting speed cuts/minute
Large	Speed 1	3200 cuts/min
Medium	Speed 2	3500 cuts/min
Small	Speed 3	3800 cuts/min

Note

Reduce the speed to a minimum for increased battery autonomy or when the LEDS flash (close to thermal safety threshold stop).

The tool memorizes the last speed used and this speed will be selected by default when the tool is next turned on.

Important

Do not cut anything other than vegetation.

5.5.2. SPEED SELECTION

Low speed: speed 1

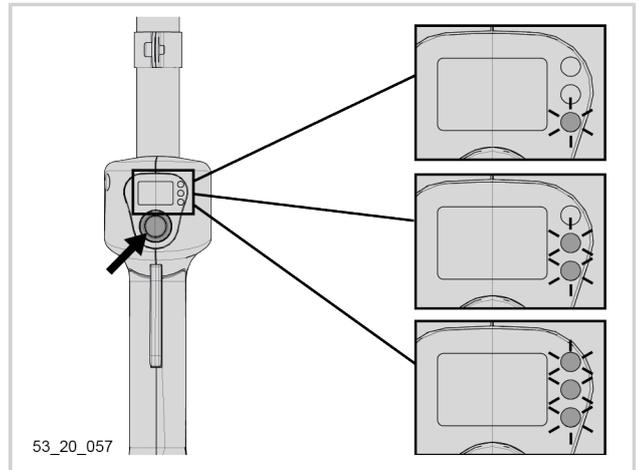
- Press once on the tool On / Off button.
- 1 LED lights up.

Medium speed = speed 2

- Press twice on the tool On / Off button.
- 2 LEDs light up.

High speed = speed 3

- Press three times on the tool On / Off button.
- 3 LEDs light up.



Caution

These indicator LEDs may flash when the tool approaches the temperature safety threshold.

5.6. START-UP



Caution

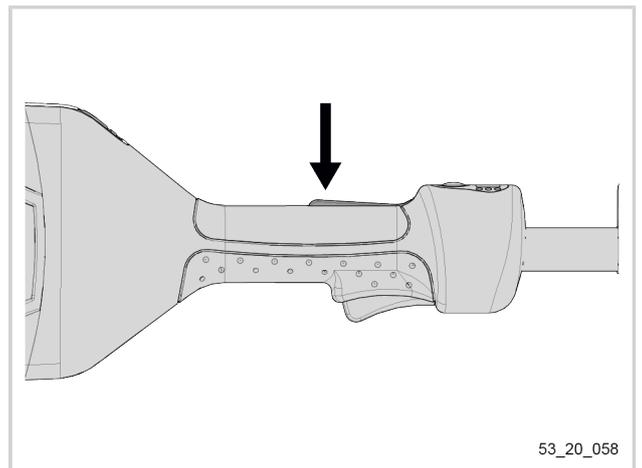
Check that the safety devices are running properly before starting work.

Before starting work, check that:

- The work area is clear.
- The tool protective sleeve is removed.
- The battery is properly connected.
- The battery charge level is displayed.
- The selected speed is correct.

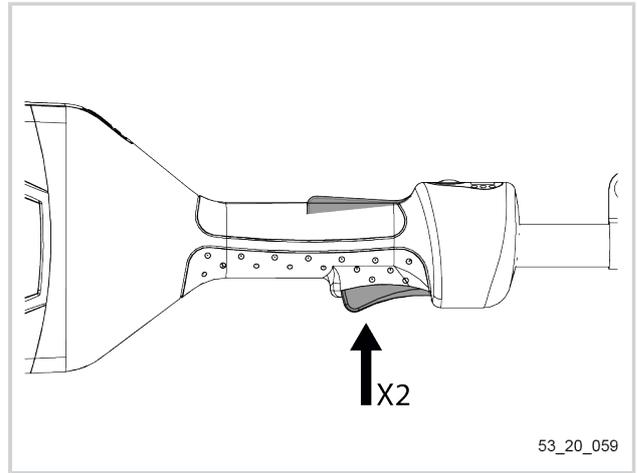
1. Press the safety trigger.

Keep the safety trigger pressed.



53_20_058

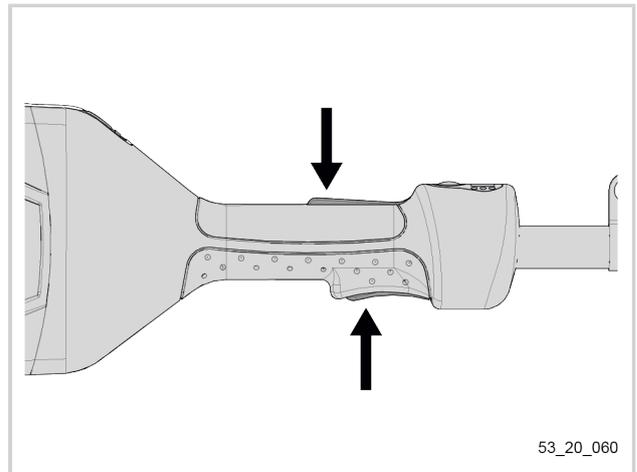
2. Press the control trigger twice to prime.



3. Keep the 2 triggers pressed for the tool to work.

Note

Repeat priming if you have released the control handle for more than 3 seconds.



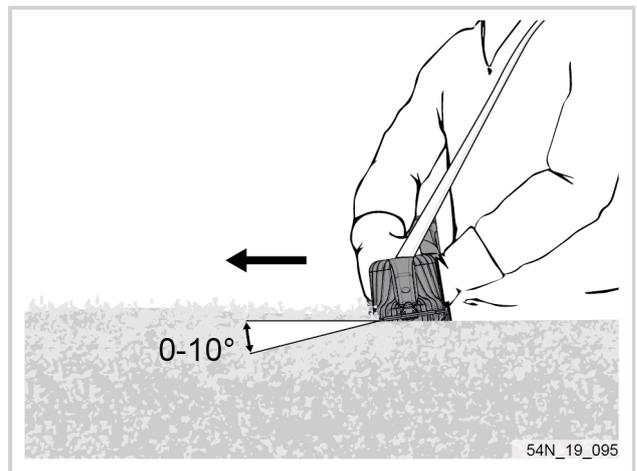
5.7. HEDGE TRIMMING TECHNIQUES

Important

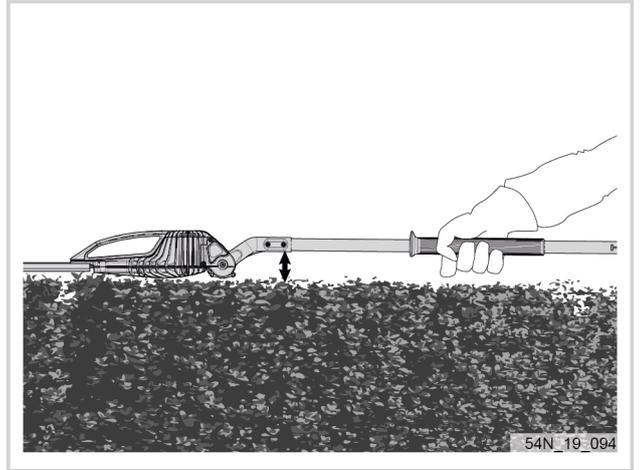
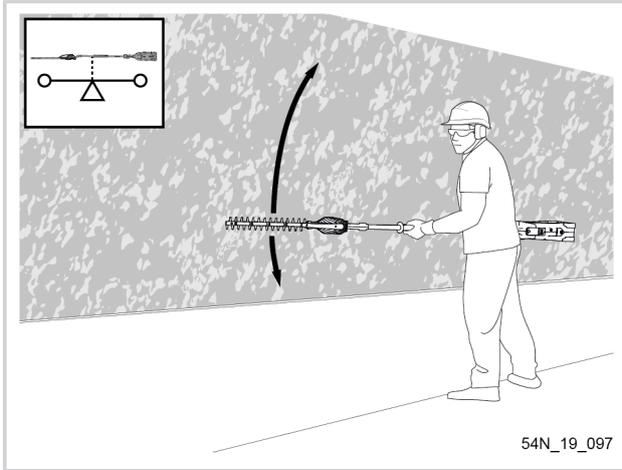
Always start the motor before bringing the hedge-trimmer blade into contact with the plant foliage.

Do not cut anything other than vegetation.

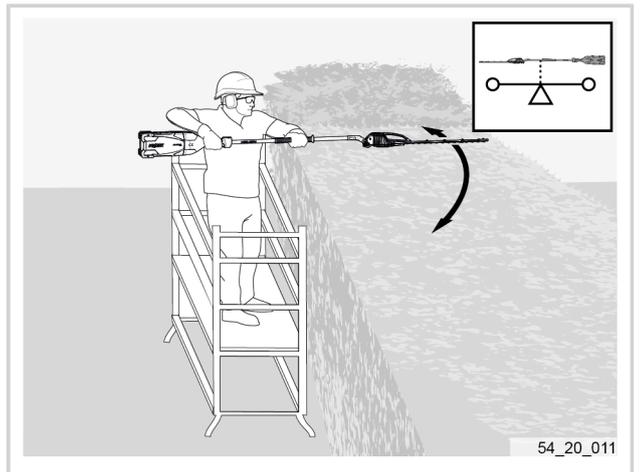
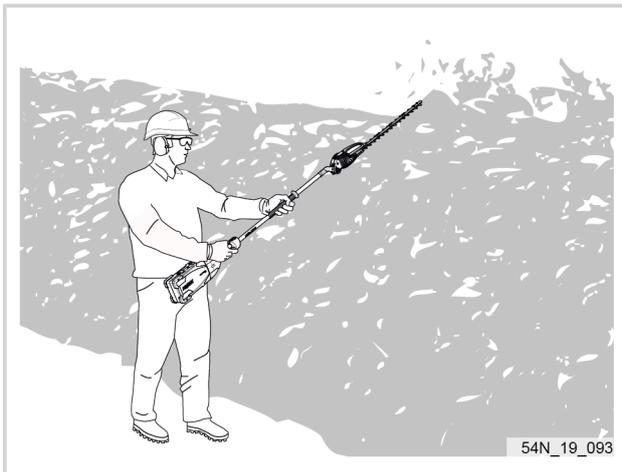
- Tilt the hedge-trimmer blade at an angle between 0° and 10° to the vegetation.
- Advance the tool to the cutting plane for a cleaner cut.



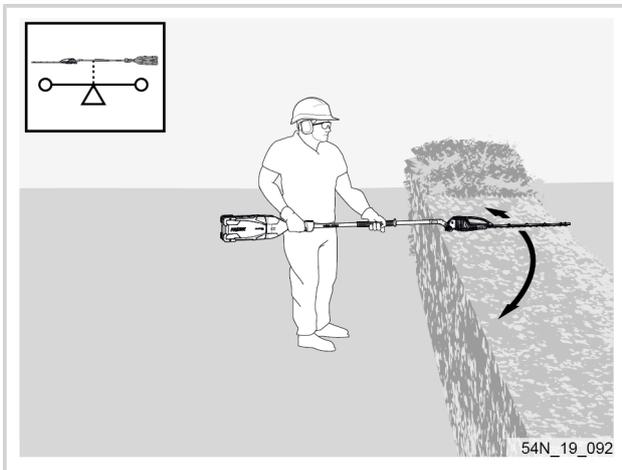
5.7.1. HORIZONTAL TRIMMING



5.7.2. TRIMMING AT HEIGHT



5.7.3. TRIMMING AT LOW LEVEL



6. SERVICE

6.1. ANNUAL OVERHAUL

Important

Have your machine serviced every 200 hours or at least once a year by a PELLENC authorised distributor.

These parts must be replaced as a precautionary measure or at least once a year:

Name	reference
Protective plate	71297
hedge-trimmer blade screws and fittings kit	120445
Anti-kickback guard	146494
hedge-trimmer blade strip	117541

6.2. MAINTENANCE ADVICE



Caution

Always disconnect the tool battery before starting tool maintenance.

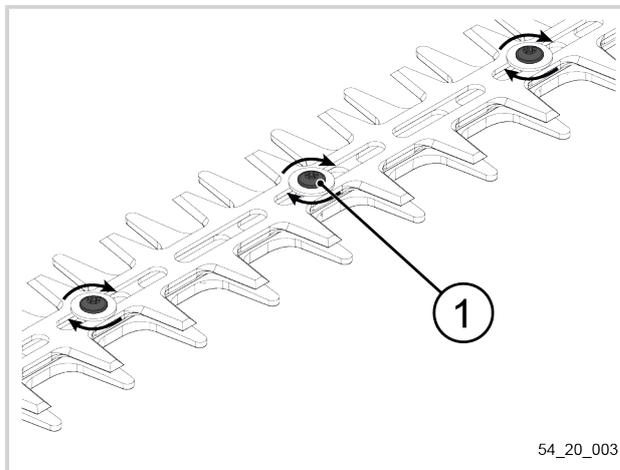
- Use products recommended by PELLENC.
- In the event of any problem, consult an authorised PELLENC distributor.

6.3. TOOL MAINTENANCE TABLE

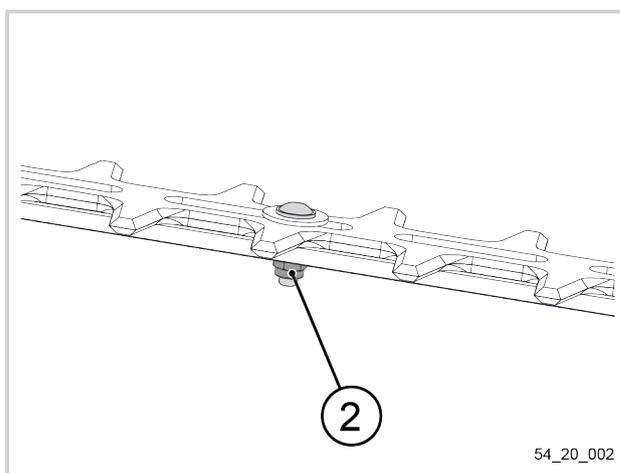
Elements concerned	Operations	Frequency				Repairer	Notes
		Prior to each use	After each use	Every 50 hours	When necessary		
General appearance	Visual inspection	X	X			User	
	Cleaning		X			User	
Hedge-trimmer blade	Cleaning		X			User	See Section 6.5, "Cleaning the blades"
	Lubrication	X	X			User	See Section 6.5, "Cleaning the blades"
	Screws and fittings	X				User	See Section 6.4, "Tightening blades"
	Ultra-quick				X	User	See Section 6.6, "Sharpening the blades"
	Adjustment				X	PELLENC authorised distributor	Check the height of the hedge-trimmer blade spacers.
Reducing gear	Lubrication			X		User	See Section 6.7, "Hedge-trimmer blade lubrication"
Handles / Triggers	Operation	X				User	See Section 5.6, "Start-up"
Hardware (excluding blade)	Tightening				X	User	
Battery	Please refer to the battery operating instructions						

6.4. TIGHTENING BLADES

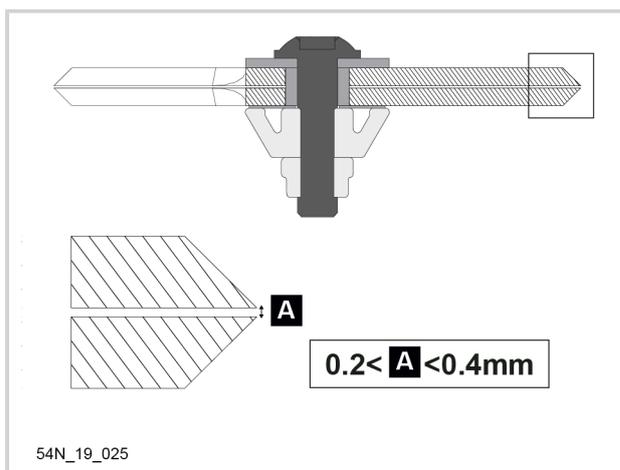
1. Tighten the screw (1) to a torque of 3 N.m using a Torx screwdriver.



2. Tighten the lock nut (2) to a torque of 3 N.m with a torque wrench.



3. Check the position of the blades, using a set of spacing shims.

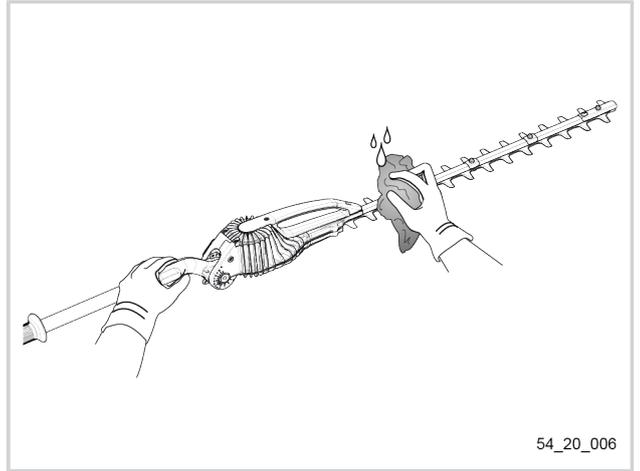


6.5. CLEANING THE BLADES

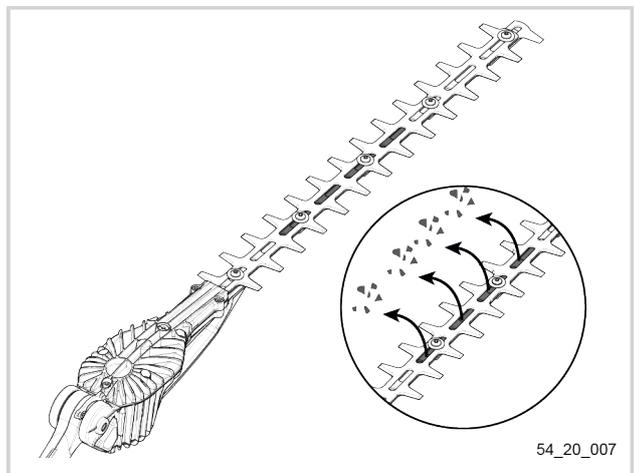
Important

Energy consumption varies depending on the state of cleanliness of the tool.

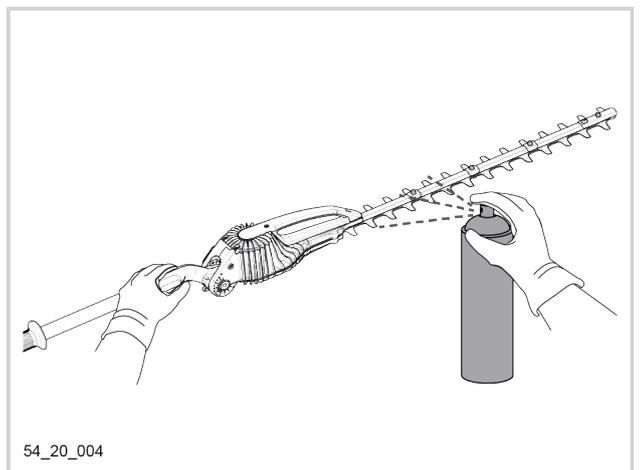
1. Clean the blades with a damp cloth.



2. Check that there is no residue between the blades.



3. Clean and lubricate the blades with the cleaning / lubricating spray recommended by PELENC, see Section 9.3, "Consumables".



Warning

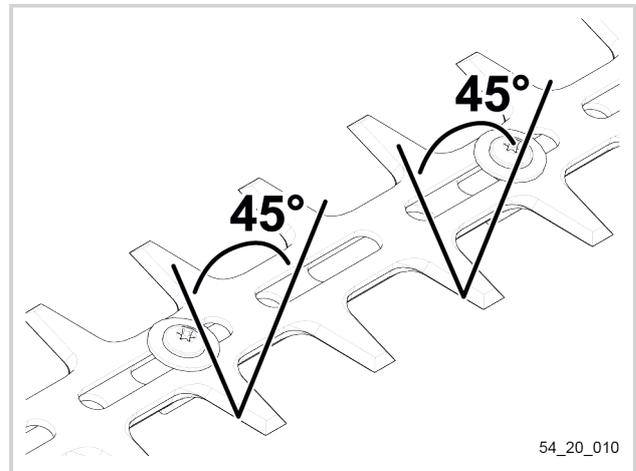
Ⓢ Never use solvents (trichloroethylene, white spirit, petrol, etc.) to clean the tool.

6.6. SHARPENING THE BLADES

Sharpen the blades regularly.

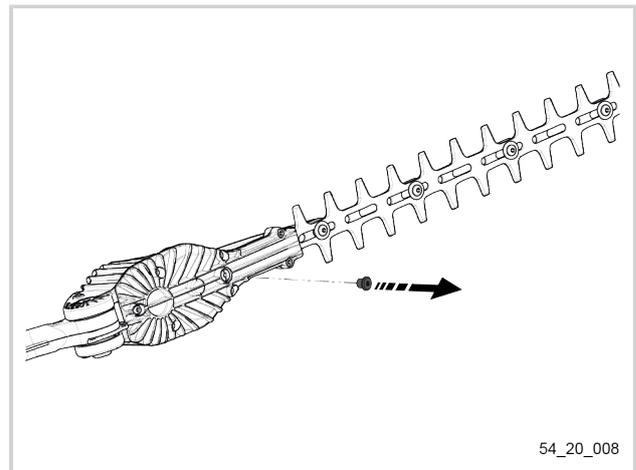
Regularly check how sharp the blades are during the first few hours of use to determine the optimum frequency of sharpening.

Ensure the blade is at a 45° angle during sharpening.

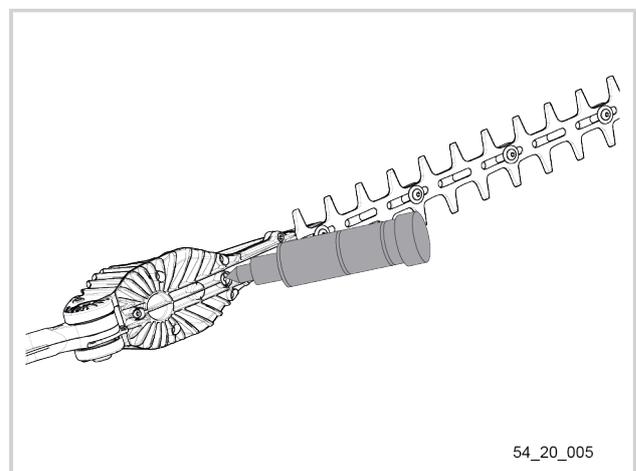


6.7. HEDGE-TRIMMER BLADE LUBRICATION

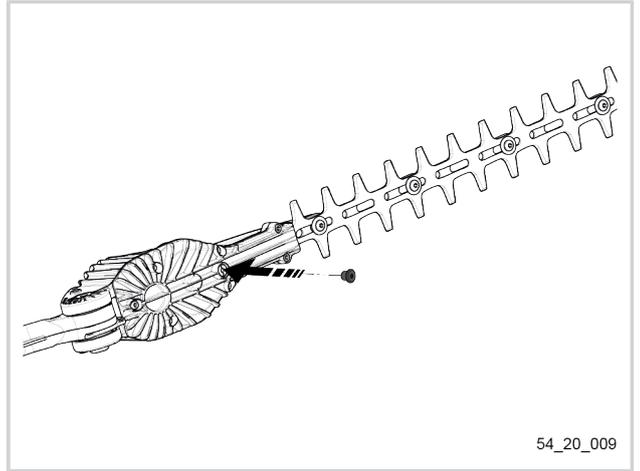
1. Loosen the screw which gives access to the lubrication area of the hedge-trimmer blade reducer using a T25 screwdriver.
2. Remove the screw.



3. Grease the reducer with the grease gun (20g maximum grease) recommended by PELLENC, see Section 9.3, "Consumables".



4. Refit the screw.
5. Tighten to a torque of 3 N.m using a T25 Torx screw-driver.



Note

The hedge-trimmer blade gears must be lubricated after the first 25 hours of operation and every 50 hours thereafter.

7. INCIDENTS AND TROUBLESHOOTING

7.1. TABLE OF INCIDENTS AND BREAKDOWNS - TROUBLESHOOTING

Incident / breakdown	LED status		Probable cause	Checks	Solutions	Repairer
	of the battery	of the tool handle				
The tool does not start	0	Off	Battery is off	Battery switch	Flip the battery switch	User
	I	Off	Communication problem with battery	Check that the battery is properly connected	Connect the battery correctly	User
			Battery	Check that the battery is not completely discharged	Charge the battery	User
			Electronic circuit board	At an authorised PELLENC distributor	Change the electronic control board if the LEDs remain off after starting up and after checking of the previous point.	PELLENC authorised distributor
		On	Trigger no longer functions	At an authorised PELLENC distributor	Change the trigger or sensor	PELLENC authorised distributor
			Electronic circuit board	At an authorised PELLENC distributor	Change the circuit board	PELLENC authorised distributor
The hedge-trimmer blade makes an unusual noise	I	On	Blades are clogged	Check for residue between the blades	Clean the blades, see Section 6.5, "Cleaning the blades"	User
			Tighten hedge-trimmer blade screws	Tightening to 3 N.m max	Tightening to 3 N.m max	User
			Protective casing damaged	Check casing around screw studs	Change casing	PELLENC authorised distributor
The LEDs are flashing during use	I	Single flash	The tool is close to its temperature limit	Flashing LEDs	Reduce speed of hedge-trimmer blade or take a break	User
The tool stops during use	I	Off	The tool has reached its temperature limit	4 beeps from the battery	Let the tool cool down for roughly 5 minutes	User

7.2. SUMMARY OF DISPLAY MESSAGES

Note

When the battery is connected to the tool, the information is shown on the tool digital display, and is no longer displayed on the battery digital display.

Diagnostics display codes	Name
E1	Abnormal current
E2	Voltage too low
E3	Tool head problem
E4	Tool temperature too high
E5	Trigger problem

Info display codes	Name
E8	Hedge-trimmer blade in transport position (tool Off)
E9	Trigger pressed during powering on

Important

Ⓒ Never attempt to dismantle the tool, under penalty of cancellation of the warranty. Contact your authorised repair person.

8. STORAGE AND TRANSPORT

8.1. STORAGE

- Switch off the tool (seeSection 5.4, “ Power on or off”).
- Remove the battery, (see Section 4.2, “Connecting and disconnecting the Pellenc ALPHA 260 or 520 battery”)
- Store the battery (refer to the battery operating instructions).
- Clean the tool (seeSection 6.5, “Cleaning the blades”).
- Store the tool in a dry place out of children's reach.

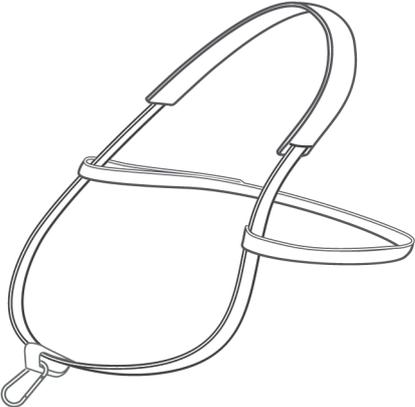
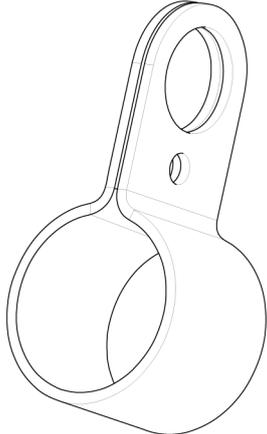
- Always store the tool with a greased blade.
- Always store the tool with a greased blade.
- Always store the tool with the protective sleeve on, see Section 5.1, “Protective sleeve”.
- Put the tool in the transport position, see Section 5.2.2, “Transport position / Folding the hedge-trimmer blade”.

8.2. TRANSPORT

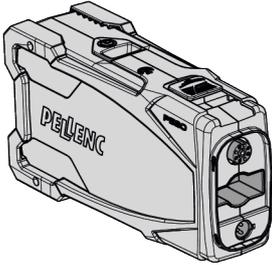
- Switch off the tool (seeSection 5.4, “ Power on or off”).
- Disconnect the battery, see Section 4.2, “Connecting and disconnecting the Pellenc ALPHA 260 or 520 battery”.
- Put on the hedge-trimmer blade protective sleeve, see Section 5.1, “Protective sleeve”.
- Put the tool in the transport position, see Section 5.2.2, “Transport position / Folding the hedge-trimmer blade”.
- Ensure that the tool and the battery are secured in the transport vehicle.

9. ACCESSORIES AND CONSUMABLES

9.1. ACCESSORIES INCLUDED

Name	reference	
Carrying strap	133937	 <p data-bbox="911 904 1007 925">54N_19_082</p>
Carrying eyelet + bolt	134822	 <p data-bbox="911 1391 1007 1411">54N_19_083</p>

9.2. OPTIONAL ACCESSORIES

Name	reference	
PELENC ALPHA 260 bat- tery	57192	 <p data-bbox="1426 2067 1509 2087">53_20_071</p>
PELENC ALPHA 520 bat- tery	57193	

9.3. CONSUMABLES

Name	reference
Grease pump	68518
PELENC 400g Grease cartridge	115174
PELENC lubricant and cleaning spray	121633

10. WARRANTIES

10.1. GENERAL WARRANTIES

10.1.1. STATUTORY WARRANTY

- 10.1.1.1. LATENT DEFECTS WARRANTY

Apart from the commercial warranty provided for under Article II, Article 1641 of the Civil Code provides that "the seller is bound to a warranty on account of latent defects of the object sold which render it unfit for the use for which it was intended, or which would impair said use to the extent that the buyer would not have acquired it, or would only have given a lesser price for it, had he known of them".

Article 1648 of the Civil Code "The action resulting from latent defects must be brought by the purchaser within two years after the discovery of the defect. "

- 10.1.1.2. LEGAL WARRANTY OF CONFORMITY

Article L.217-4 of the Consumer Code "The seller delivers goods in conformity with the contract and is liable for defects of conformity existing upon delivery.

The seller is also liable for any lack of compliance resulting from the packaging, assembly or installation instructions whenever its contractual liability is engaged in this regard or the latter are carried out under its responsibility

Article L.217-5 of the French Consumer Code "Goods are compliant with the contract":

1. Where they are fit for the purpose normally expected of similar goods and, where applicable:
 - If it matches the description given by the seller and possesses the qualities that were presented to the purchaser in the form of a sample or model;
 - If it possesses the qualities that a purchaser can reasonably expect given the public statements made by the seller, the producer or its representative, especially in advertising or labelling;
2. Or, if it has the characteristics defined by mutual agreement of the parties or is fit for any particular purpose that the buyer made known to the seller and that the latter accepted.

Article L.217-12 of the Consumer Code "legal action resulting from lack of conformity lapses two years after delivery of the goods".

10.1.2. COMMERCIAL WARRANTYPELLENC

- 10.1.2.1. CONTENT

10.1.2.1.1. GENERAL INFORMATION

In addition to legal warranties, client users benefit from the commercial warranty on products PELLENC covering the exchange and replacement of parts recognised as being out of order, due to machining defects, assembly defects or material defects, whatever the cause.

The warranty is fully integral to the product sold by PELLENC.

10.1.2.1.2. SPARE PARTS

The commercial warranty also covers original PELLENC spare parts, excluding labour and to the exclusion of certain parts of each product provided at delivery.

- 10.1.2.2. DURATION OF THE WARRANTY**10.1.2.2.1. GENERAL INFORMATION**

PELENC Products are guaranteed under the commercial warranty as from delivery to the customer for a period of two (2) years for products connected to a PELENC battery, and for a period of one (1) year for other PELENC products.

10.1.2.2.2. SPARE PARTS

PELENC Replacement parts replaced under the product warranty are guaranteed under the commercial warranty as from delivery of the PELENC product to the customer user for a period of two (2) years for products connected to a PELENC battery, and for a period of one (1) year for other PELENC products.

In the case of products connected to a PELENC battery, parts that are replaced under the product warranty after the 12th month of use, are covered for a period of one (1) year.

10.1.2.2.3. WARRANTY EXCLUSIONS

Excluded from the commercial warranty are products that have been subject to abnormal use, or were used under conditions and for purposes other than those for which they were manufactured, especially in the case of non-compliance with conditions stipulated in this user manual.

It does not apply in case of shock, fall, neglect, lack of supervision or maintenance or in case of transformation of the product. Also excluded from the warranty are products that have been subject to tampering, alteration or modification by the client user.

Wear parts and/or consumables cannot be covered by the warranty.

- 10.1.2.3. IMPLEMENTATION OF THE COMMERCIAL WARRANTY**10.1.2.3.1. PRODUCT COMMISSIONING AND COMMISSIONING DECLARATION**

The DISTRIBUTOR undertakes to complete the computer commissioning declaration form, no later than eight days after the delivery of the property to the user customer, in order to activate the latter on the www.pellenc.com website under "warranties and training" in the "extranet" menu, using the identifier previously provided to them by PELENC.

Failing that, commissioning declaration will not be effective and implementation of the commercial warranty PELENC will not occur. As a consequence thereof, the DISTRIBUTOR must ensure the financial burden of its intervention under the warranty without being able to pass on the cost to the client user.

The DISTRIBUTOR shall also undertake to complete the warranty card or the certificate of warranty and commissioning for self-propelled equipment provided with the product after having the client user sign and date it.

10.1.3. PAID AFTER-SALES SERVICE**- 10.1.3.1. GENERAL INFORMATION**

Malfunctions, breakdowns, breakages resulting from misuse, neglect or improper maintenance by the client user as well as malfunctions resulting from normal wear of the product are subject to the payment of after-sales service, even during the period of the legal and commercial warranty. After-sales service repairs that fall outside of the legal and commercial warranty also include maintenance, adjustments, diagnostics of all types, and cleaning without the present list being exhaustive.

- 10.1.3.2. WEAR PARTS AND CONSUMABLES

Wear parts and consumables also fall within the after-sales service.

- 10.1.3.3. SPARE PARTS

Paid after-sales service also covers original PELLENC spare parts, excluding labour and outside the legal and commercial warranty period.

In case of replacement of original PELLENC spare parts in the context of after-sales service, said latter are covered by a warranty of one year as from the installation date.

11. EC STATEMENT OF COMPLIANCE

11.1. "EC" DECLARATION OF CONFORMITY: HELION ALPHA

MANUFACTURER	PELENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)

ENTITY AUTHORIZED TO COMPILE THE TECHNICAL FILE	PELENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)

We hereby declare that the machine referred to below as:

GENERIC DENOMINATION	Hedge-trimmer
FUNCTION	ELECTRIC BATTERY POWERED HEDGE-TRIMMER INTENDED FOR TRIMMING BUSHES / HEDGES
COMMERCIAL NAME	HELION ALPHA
TYPE	HELION ALPHA
MODEL	HELION ALPHA
SERIAL No.	54S00001 - 54S49999 54T00001 - 54T49999 54U00001 - 54U49999

Complies with the relevant provisions of the machinery directive (2006/42/EC).

Complies with the provisions of the following European directives:

- 2014/30/EU EMC Directive
- 2011/65/EU ROHS Directive
- 1907/2006 REACH Regulation
- 2012/19/EU WEEE Directive

The following harmonised European standards have been used in whole or in part:

- EN 62841-1: 2015
- EN 62841-4-2: 2019
- EN 55014-1: 2017
- EN 55014-2: 2015

Total vibration values (triax vector sum ; uncertainty of K=1.5 m/s ²)	ah = 3.4 m/s ²
--	---------------------------

Acoustic power level measured (uncertainty of K=3 dB)	L _{WA} =96 dB MAX
Level of acoustic pressure measured at the work station (uncertainty of K=3 dB)	L _{pA} =82 dB MAX

ISSUED IN PERTUIS, 27/05/2020

JEAN-MARC GIALIS
CEO



PELLENC

   www.pellenc.com

PELLENC
Quartier Notre Dame - 84120 Pertuis (France)

