

ENG

Translated from the original operating instructions



PRUNING SHEARS C45, C45-P150, C45-P200

Operating Instructions

163529-D
05/2023

READ THE USER OPERATING GUIDE CAREFULLY BEFORE USE

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1. INTRODUCTION

Dear Customer,

Thank you for purchasing your Pruning shears C45. Properly used and maintained, this equipment will give you years of satisfaction.

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 guide 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.

Points marked "NOTE" indicate additional information.

Points marked "IMPORTANT" warn the user of a potential risk for the equipment.

Points marked "ATTENTION" warn the user of a potentially hazardous situations which if not avoided may result in minor injuries.

Points marked "WARNING" warn the user of a potentially hazardous situation which if not avoided may result in serious injury or death.

Warning  indicates the guarantee will not cover any damage resulting from failure to comply with the procedures and instructions, for which the owner will incur the repair costs.

Safety signs on the picker also indicate the safety precautions to be observed. Locate these signs and read them before using your machine. Any partially illegible or damaged sign should be replaced immediately.

Refer to 2.5. Safety signs, page 10 for the location diagram of the safety stickers affixed to the tool.

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2. SAFETY

2.1. INTENDED USES

- The Pruning shears C45 is intended for vineyard, fruit-tree, olive-growing and landscape maintenance pruning up to a diameter of 45 mm.
- The Pruning shears C45 must be used at ground level or from a suitable platform that is completely stable and secure.
- The Pruning shears C45 is intended to be used outdoors.
- The Pruning shears C45 can be used with the C45-P150 and C45-P200 poles sold by the manufacturer.
- Only original or manufacturer approved spare parts (e.g. blade kit, maintenance kit) may be fitted to the Pruning shears C45.
- The user is responsible for any accident resulting from improper use or unauthorised modification of the Pruning shears C45.
- The Pruning shears C45 can be used with the C45-P150 and C45-P200 poles sold by the manufacturer.
- The C45-P150 and C45-P200 poles with shears are not intended to be used with shears other than the Pruning shears C45 and the Pruning shears Prunion from the brand PELLENC .

2.2. GENERAL SAFETY INSTRUCTIONS FOR THE ELECTRICAL TOOL



Warning

Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Note

Retain all the safety measures and instructions for later reading.

The term "power tool" in the safety warnings refers to your battery-powered electric tool (without power cord).

2.2.1. 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.

2.2.2. ELECTRICAL SAFETY

1. **The plugs of the electric tool must be adapted to the base. Never modify the plug in any way. 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.** Water entering a power tool will increase the risk of electric shock (Except for tools for which an "IP" index is specified).
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, 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. **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.

2.2.3. 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 when 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.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. **Prevent unintentional starting. 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 power tools with your finger on the switch or plugging in power tools with the switch in the on position can cause accidents.
4. **Remove any adjusting wrench before switching the electric 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 provides better control of the power tool in unexpected situations.
6. **Wear appropriate clothing. Do not wear loose clothing or jewelry. Keep your 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 dust collectors to reduce the risk caused by dust.
8. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A moment of inattention can result in serious personal injury.

2.2.4. USE AND CARE OF THE POWER TOOL

1. **Do not force the power tool. Use the correct power tool for your application.** 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 turn it 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. **Complying with the maintenance of the power tool and its accessories is mandatory. 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 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.** Using the power tool for operations other than those specified can result in hazardous situations.
8. **Handles and gripping surfaces must be kept dry, clean and free from oils and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

2.2.5. BATTERY TOOL USE AND CARE

1. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for a specific battery pack may create a fire hazard when used with another type of battery pack.
2. **Use power tools only with specifically designated battery packs.** Use of any other battery pack 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.** A short-circuit between the battery terminals may cause burns or 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, 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.** 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 (or 265°F) 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.

2.2.6. MAINTENANCE

1. **Have the power tool serviced by a qualified technician, using only identical spare 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.

2.2.7. MANAGEMENT OF THE RECYCLING AND RECOVERY OF WASTE FROM YOUR TOOL

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.

2.3. SAFETY MEASURES RELATED TO THE USE OF THE BATTERY AND THE CHARGER "PELENC"

Note

Please refer to the battery operating instructions.



Warning

Read all safety warnings and all instructions. Retain all the safety measures and instructions for later reading.

2.4. SAFETY WARNINGS FOR THE ELECTRONIC SHEARS

This device is not intended for use by individuals (including children) with reduced physical, sensory or mental capabilities, nor by anyone lacking in experience or knowledge, except if they are supervised or have received prior instructions from a person responsible for their safety.



Warning

Carefully read all the instructions on the Activ' Security for your Pruning shears C45 before any use, see 5.3. Activ'Security deactivated, page 20.



Warning

To reduce health risks, PELLENC recommends that pacemaker users consult a physician and their pacemaker manufacturer before using this tool.

1. Never modify the connector in any way whatsoever.
2. This tool may cause severe injuries. Carefully read the instructions regarding the proper handling, operation, maintenance, startup and stopping the shears. Familiarize yourself with all its controls and proper use.

3. When the tool is not in use, always switch off the battery (both LEDs on the tool should be off).
4. Do not leave the tool in the ground or exposed to the weather.
5. Make sure that the blade is not in contact with any object before starting the tool.
6. Never use the tool if it is damaged, incorrectly set or incompletely assembled.
7. Never remove or disable a safety device. Have the safety device repaired if is faulty.
8. Never disconnect the power cord from the tool without checking that the red and green LEDs on the left and right of the battery display are off.
9. Never carry the tool by the power cord.
10. Do not disassemble the tool.
11. Do not try to cut pieces of wood that are too large or other materials than wood.
12. Please test the tool before use to check that it is working properly.
13. When using the tool at ground level, ensure that no persons or objects are in contact with the cutting device.

2.5. SAFETY SIGNS

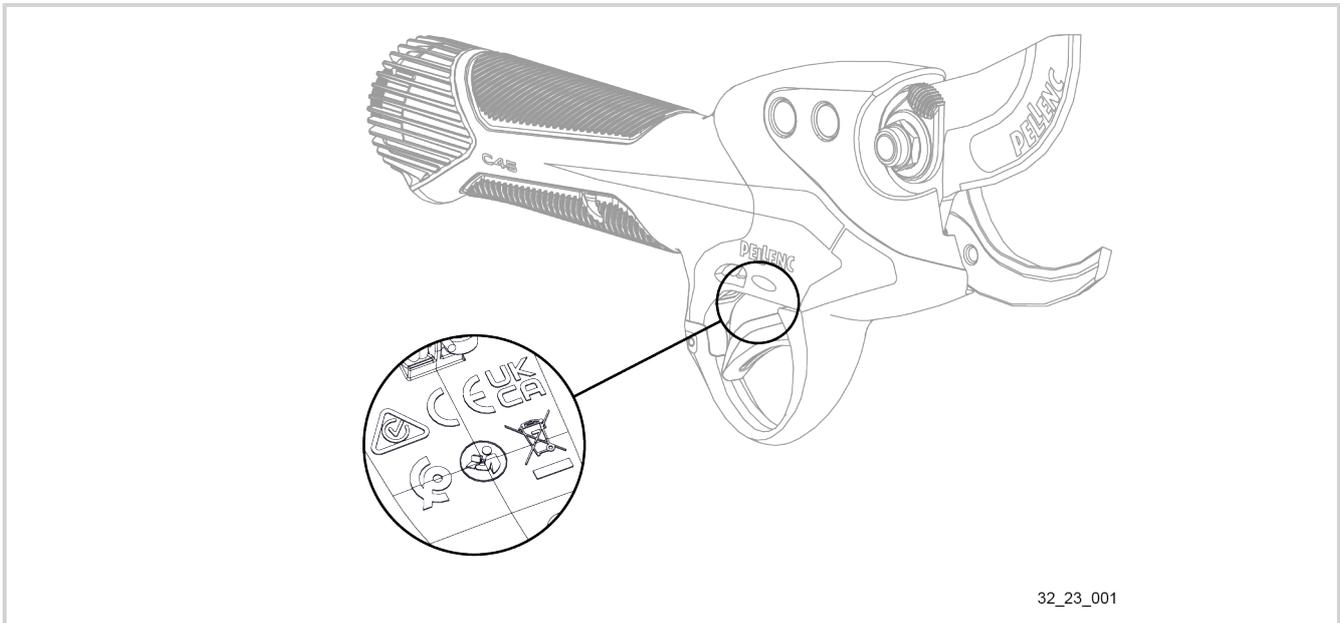
California State Proposition 65:



Caution

This product contains or emits a chemical recognized by the State of California to cause cancer, birth defects or other reproductive harm.

2.5.1. SAFETY SIGNS FOR THE C45



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Do not expose to rain.



Please read the operating instructions.



Regulatory Compliance Mark (RCM).

The product complies with the regulatory requirements of Australia and New Zealand for electrical safety, electromagnetic compatibility, radio frequency.



Tool compliant with Moroccan standards.



This equipment must be used at a temperature of -5° to +35°C.



Waste electrical and electronic equipment.

At the end of its life, the tool and the battery must be returned to the authorized distributor from whom they were purchased to be recycled in accordance with waste regulations.



Tool compliant with British standards



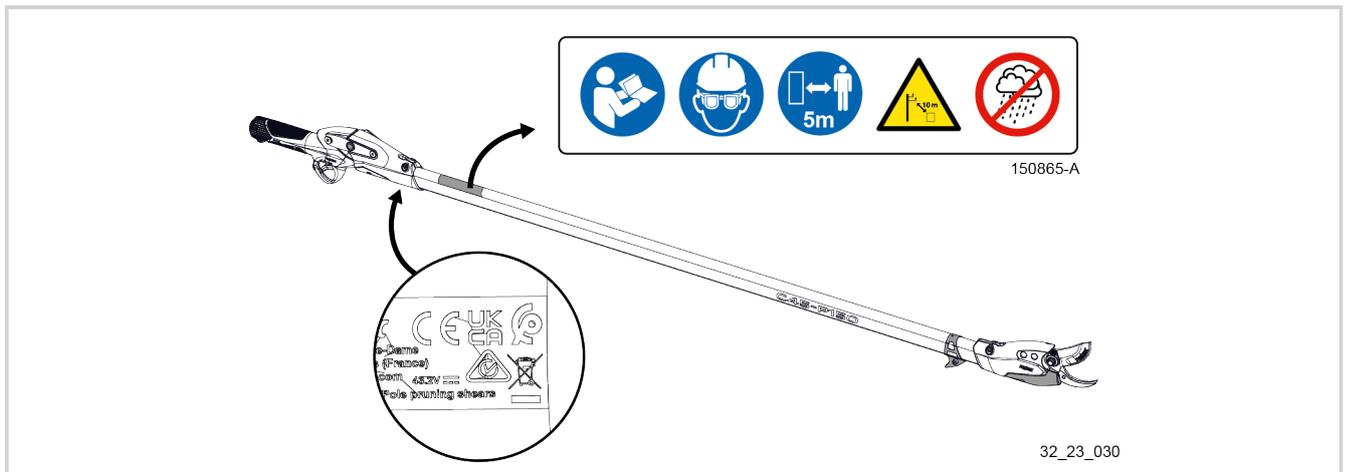
Independent **C**ommunications **A**uthority of **S**outh **A**frica

The product complies with the strict radio interference standards set by ICASA at the approved frequency.



Tool compliant with EC standards.

2.5.2. SAFETY SIGNS FOR THE C45 FITTED WITH A P150 OR P200 POLE



Please read the operating instructions.



Tool compliant with EC standards.



Wearing of head and eye protection is compulsory.



Tool compliant with British standards



Keep a minimum safety distance of 5 metres from any hazard.



Tool compliant with Moroccan standards.



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



Regulatory Compliance Mark (RCM).

The product complies with the regulatory requirements of Australia and New Zealand for electrical safety, electromagnetic compatibility, radio frequency.



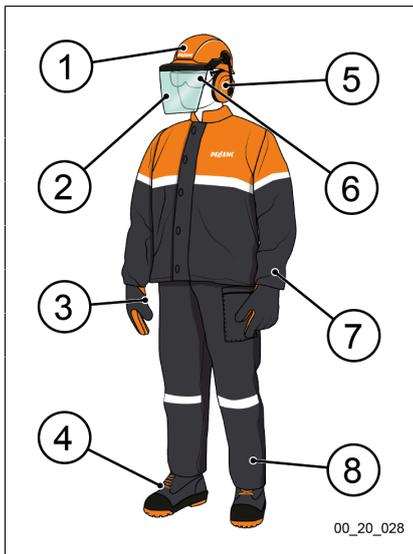
Do not expose to rain.



Waste electrical and electronic equipment.

At the end of its life, the tool and the battery must be returned to the authorized distributor from whom they were purchased to be recycled in accordance with waste regulations.

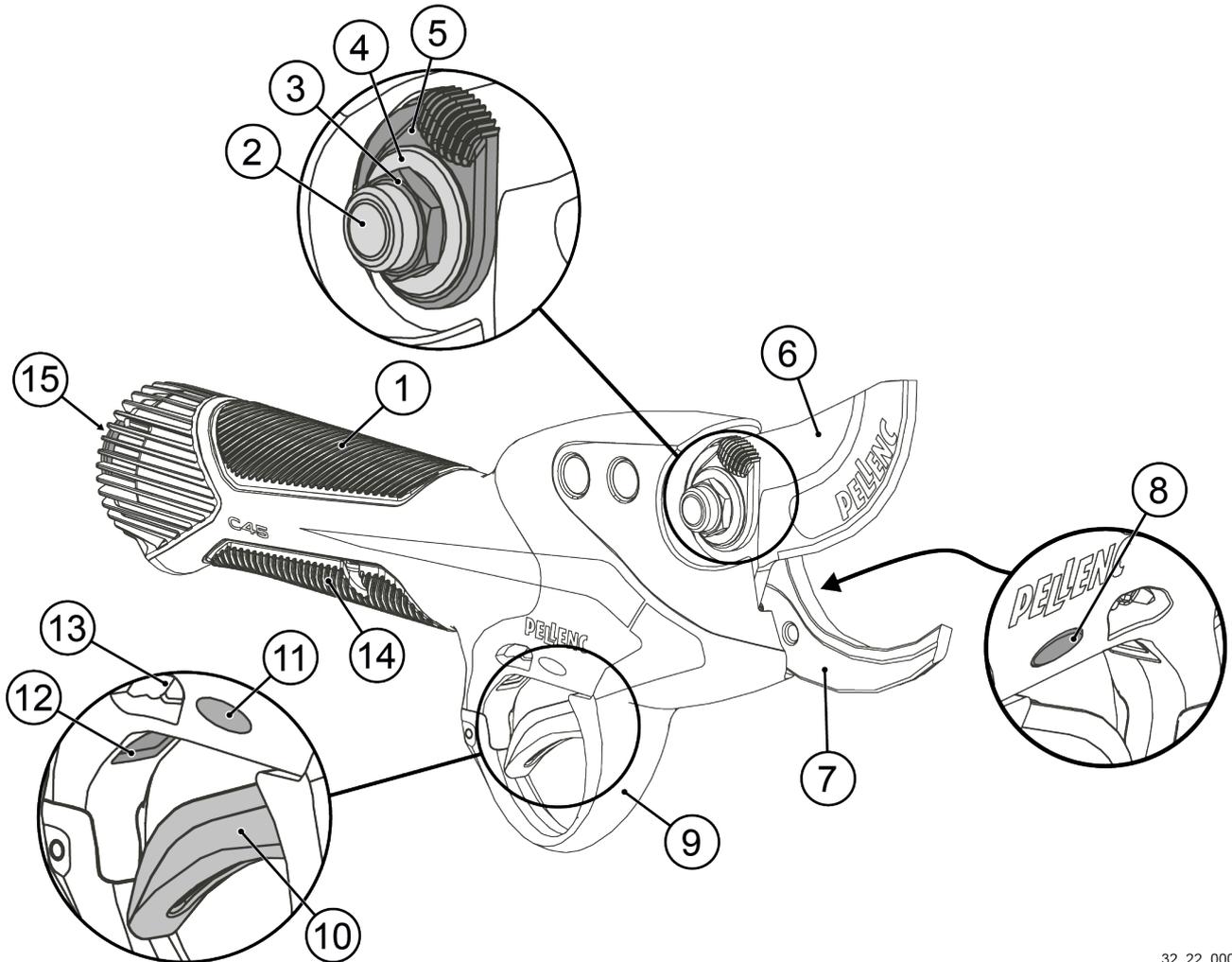
2.6. PERSONAL PROTECTIVE EQUIPMENT

	Equipment	Wearing of
	1 Safety helmet	Mandatory if a pole is being used
	2 Protective visor	Mandatory if a pole is being used
	3 Gloves PELLENC Activ' Security	Recommended
	4 Safety footwear	Mandatory
	5 Hearing protection	--
	6 Protective goggles	Recommended
	7 Safety jacket or over-sleeves	--
	8 Work trousers	--

3. DESCRIPTION AND TECHNICAL CHARACTERISTICS

3.1. DESCRIPTION OF THE TOOL

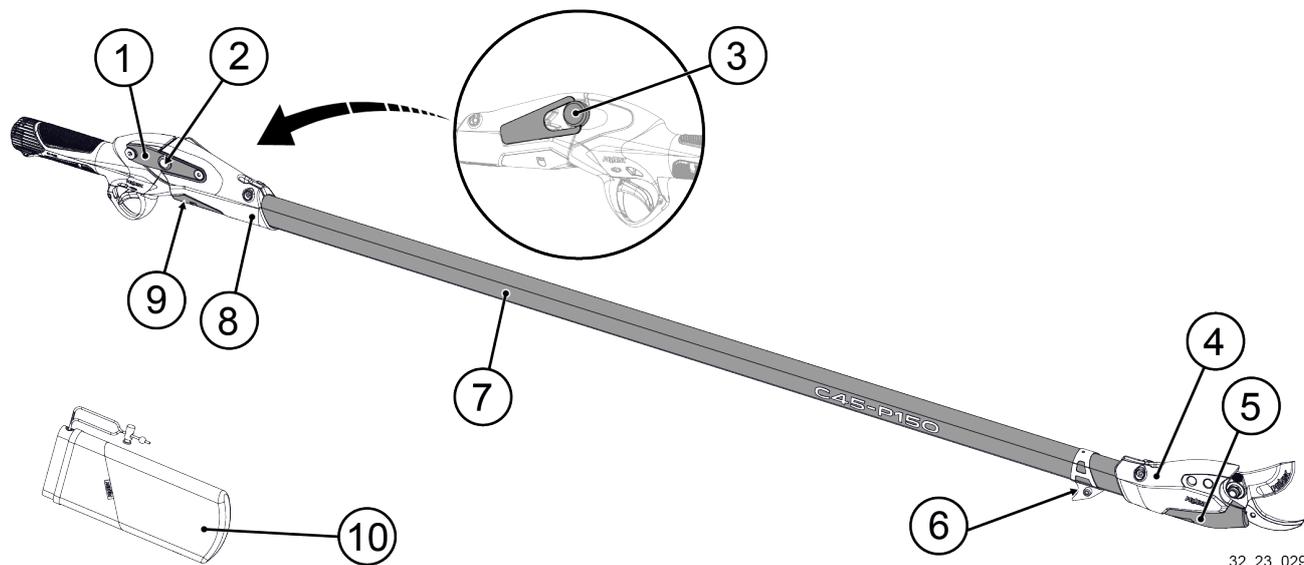
3.1.1. DESCRIPTION OF ONLY THE TOOL



- | | |
|---|--|
| 1. Upper conductive pad | 9. Guard |
| 2. Blade pin | 10. Drive trigger |
| 3. Nut | 11. Activ' Security indicator LED (right side of the tool) |
| 4. Washer | 12. Optical sensor |
| 5. Knurled adjustment washer | 13. Waste evacuation system |
| 6. Blade | 14. Lower conductive pad |
| 7. Hook | 15. Power cord connector |
| 8. Mode indicator LED (left side of the tool) | |

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3.1.2. DESCRIPTION OF THE TOOL FITTED WITH A P150 OR P200 POLE



32_23_029

- | | |
|-------------------------|---------------------------|
| 1. Fork | 6. Branch hook |
| 2. Sleeve | 7. Pole tube |
| 3. Lever | 8. Base |
| 4. Cutting head support | 9. Base cover |
| 5. Cutting head cover | 10. Tool protective cover |

3.2. TECHNICAL FEATURES

3.2.1. GENERAL CHARACTERISTICS OF THE TOOL

Cutting capacity	45 mm
Pruning shears power supply voltage	43.2 V
Maximum electrical power	1600 W
Battery life	Depending on the use and type of battery
Weight of pruning shears	862 g
Weight of the pruning shears with the P150 pole	2,431 g
Weight of the pruning shears with the P200 pole	2,694 g

3.2.2. BATTERY AND CHARGER COMPATIBILITY

Battery	Charger
ULIB 150P	CB5004HV2 CB5010HV (+ adapter ref.152147)
ULIB 250	CB5010HV

3.2.3. VIBRATION VALUES AND NOISE LEVELS

The determination of noise levels and vibration rates is based on operating conditions at maximum rated speed according to a standardised test method. It can be used to compare two machines.

The declared total vibration value(s) and the declared noise emission value(s) may also be used in a preliminary exposure assessment.

Safety measures need to be identified to protect the operator based on an estimate of exposure under actual use conditions (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 activation time).

Sound pressure values

	Pruning shears	Shears with P150-200 pole
Maximum sound pressure level at the user's position (uncertainty K_{pA} : 1.5 dB (A))	$L_{pa} = 63$ dB (A)	$L_{pa} = 67.2$ dB (A)

Sound power values

	Pruning shears	Shears with P150-200 pole
Measured sound power level L_{WA} (uncertainty K_{WA} : 0.6 dB(A))	$L_{WA_{m}} = 72.72$ dB	$L_{WA_{m}} = 76.13$ dB
Guaranteed sound power level $L_{WA_{g}}$	$L_{WA_{g}} = 74$ dB	$L_{WA_{g}} = 78$ dB

The measured noise level and the guaranteed noise level were measured according to a procedure in accordance with Directive 2000/14 / EC Annex V.

Vibration values

	Pruning shears	Shears with P150-200 pole
Vibration emission values at the handle determined in accordance with EN 50636-2-100 (uncertainty K : 1.5 m/s^2)	$a_h = 1.17$ m/s^2	Front handle: $a_h = 0.241$ m/s^2 Rear handle: $a_h = 0.231$ m/s^2

The total declared values for vibrations and sound emissions may be used for a preliminary exposure assessment.

Caution

Vibrations during actual working use of the tool may differ from the total declared value, depending on the way the tool is used.

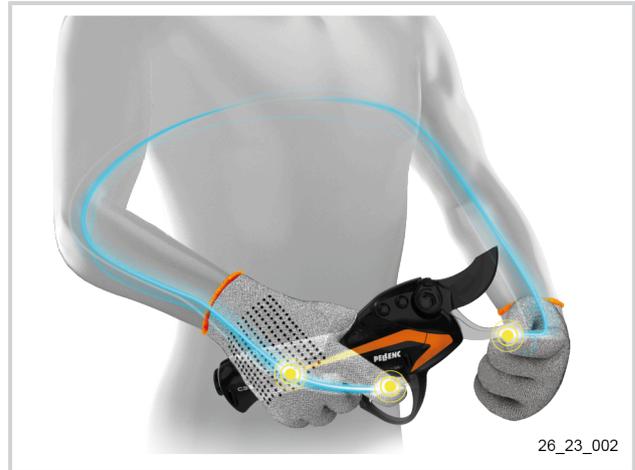
It is necessary to identify safety measures to protect the operator, based on an estimate of exposure under actual operating conditions (taking into account all parts of the operating cycle, such as the time the machine is switched off and the time it is idling, in addition to the working time).

3.3. PRESENTATION OF ACTIV' SECURITY

The Pruning shears C45 is fitted with a patented safety feature, **Activ' Security**.

This technology allows the blade to stop immediately when it comes into contact with the operator's finger or hand, with PELLENC or no gloves.

Activ' Security works thanks to a natural conductive circuit created via 3 contact points.



26_23_002

Note

The use of conductive gloves PELLENC is recommended for optimal safety in very wet or extreme conditions.

Two models are available:

- The Activ' Security Comfort glove, a special size and preserves dexterity at work.
- The Activ' Security Vegetation glove, specially for thicker branches, with a waterproof and breathable membrane, ideal for clearing wood.

See 9.2. Optional accessories, page 45.

4. START-UP

Note

For more information on battery start-up instructions, refer to the battery operating instructions.

4.1. CONTENTS OF THE C45 + ULIB 150P BATTERY CASE

Check that the tool is delivered with:

- | | |
|--|--|
| <ul style="list-style-type: none"> • 1 C45 pruning shears • 1 ULIB 150P battery • 1 CB5004HV2 battery charger and power cord • 1 holster to be fitted on the adjustable belt • 1 adjustable belt • 1 armband | <ul style="list-style-type: none"> • 1 sharpening stone • 1 grease pump • 1 tube of grease • 1 tool operating instructions manual • 1 operating instructions manual for the 150P battery • 13 mm angled wrench |
|--|--|

4.2. CONTENTS OF THE C45 + ULIB 250 BATTERY CASE

Check that the tool is delivered with:

- | | |
|---|---|
| <ul style="list-style-type: none"> • 1 C45 pruning shears • 1 ULIB 250 battery fitted on an adjustable harness • 1 CB5010HV battery charger and power cord | <ul style="list-style-type: none"> • 1 sharpening stone • 1 grease pump • 1 tube of grease |
|---|---|

- 1 holster to be fitted on the adjustable belt
- 1 adjustable belt
- 1 armband
- 1 cord (ref.130735)
- 1 tool operating instructions manual
- 1 battery 250 operating instructions manual
- 13 mm angled wrench

4.3. BOX CONTENTS OF THE P150 OR P200 POLE

Make sure the box contains:

- 1 P150 or P200 pole
- 1 set of assembly instructions for C45 pruning shears
- 1 set of assembly instructions for Prunion shears
- 1 tool protective cover
- 1 packet containing:
 - 1 adaptation spacer
 - 1 adaptation screw
 - 1 T10 Torx wrench
 - 1 Schnorr 6 washer
 - 1 C45 link pin
 - 1 Truarc 4 ring
 - 1 insulating cover

4.4. FITTING THE POLE ONTO THE TOOL

See the mounting instructions for the pole.

4.5. FITTING OF THE BATTERY ON THE HARNESS (ULIB 250 BATTERY)

See the harness assembly instructions.

Important

After mounting, the battery must be solidly attached and secured on your harness. If this is not the case then the mounting needs to be checked.

4.6. FITTING THE HOLSTER TO THE BELT

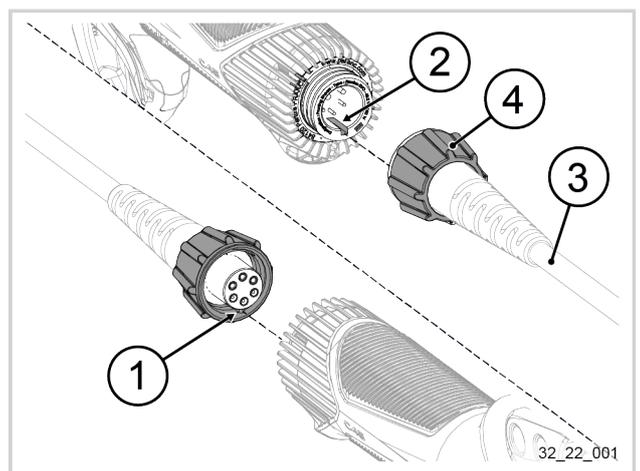
See the operating instructions for the battery.

4.7. CONNECTING THE TOOL TO THE ULIB 150P AND 250 BATTERIES

1. Putting the battery into service.
See the operating instructions for the battery.
2. Before connecting the tool, make sure the battery is switched off.
See the operating instructions for the battery.
3. Align the tool power alignment marker (2) with the notch in the battery power connector (1).
4. Connect the battery power cord (3) to the tool.
5. Tighten the tightening ring (4).

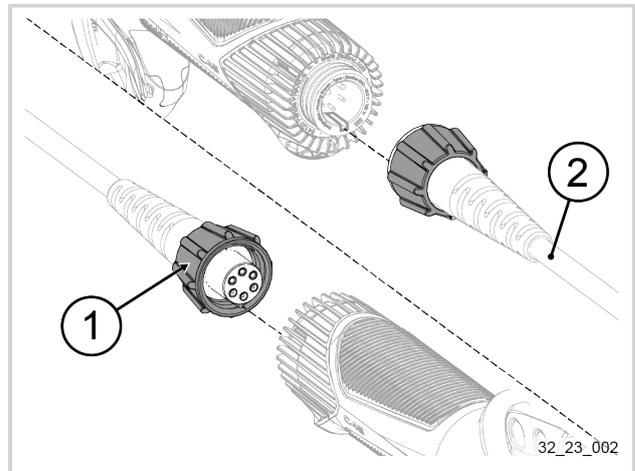
Important

Risk of false contact and tool stoppage if the tightening ring is not fully tightened.



4.8. DISCONNECTING THE TOOL FROM THE ULIB 150P AND 250 BATTERIES

1. Before disconnecting the tool, make sure the battery is switched off.
See the operating instructions for the battery.
2. Loosen the tightening ring (1) on the tool's power cord (2).
3. Disconnect the power cord (2) from the tool.



4.9. PUTTING THE LEAD AND ARMBAND IN PLACE

See the operating instructions for the battery.

Note

You must take all necessary care to prevent catching the lead of the pruning shears in the branches. To do this, attach the cord to the arm using the armband provided (see battery operating instructions).

5. USE

5.1. SWITCHING THE BATTERY ON AND OFF

See the operating instructions for the battery.

5.2. STARTING THE TOOL WITH ACTIV' SECURITY ACTIVATED (FACTORY SETTING)

The Activ' Security only works when the user is wearing conductive gloves PELLENC or when working without gloves.

If the user is wearing other types of gloves, the tool will only start if the Activ' Security has been deactivated beforehand.

See 5.3. Activ'Security deactivated, page 20.

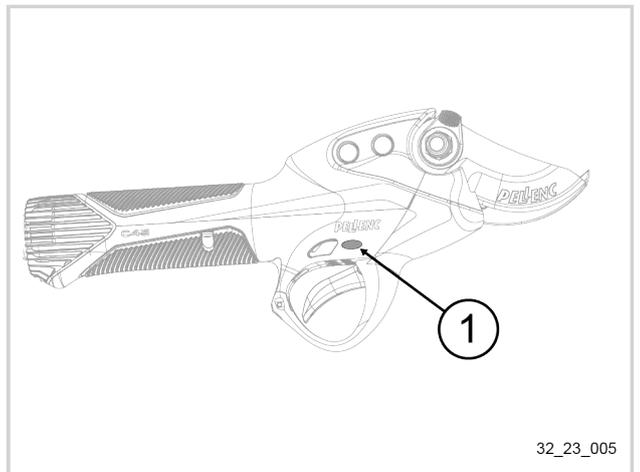
For more information on Activ' Security, see 3.3. Presentation of Activ' Security, page 16.

5.2.1. STARTING THE TOOL ALONE WITH ACTIV' SECURITY ACTIVATED

1. Turn on the battery.
See the operating instructions for the battery.

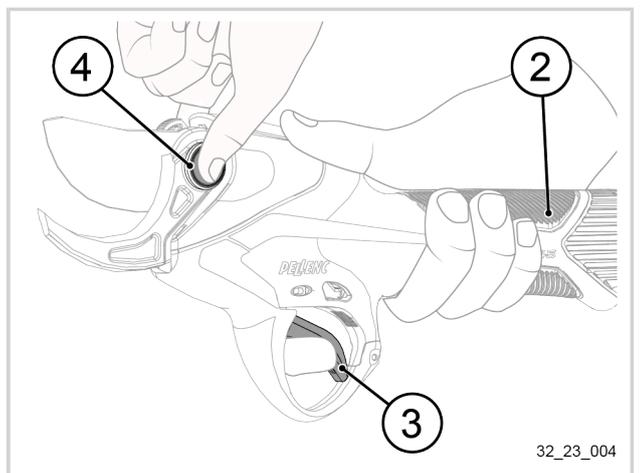
The battery beeps twice.

The Activ' Security LED (1) flashes red while waiting for information on the calibration of the tool according to its user.



2. Take the tool in your hand, making sure your fingers are in contact with one of the conductive pads (2).
3. Place the index finger of the hand holding the tool on the trigger (3).
4. Grip on both sides of the blade pin (4) with the other hand.

The Activ' Security LED turns solid red when the tool has saved the user-related calibration parameters.

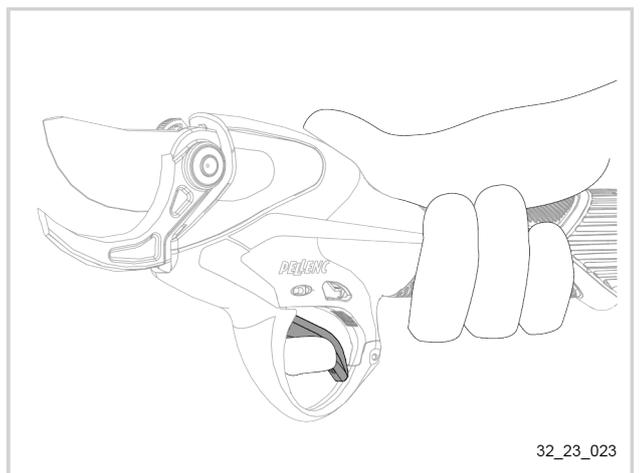


5. Release the blade pin (4).

The Activ' Security LED turns blue.

The tool emits a beep.

6. Press the trigger with your index finger to operate the tool.



Note

For more information on Activ' Security:

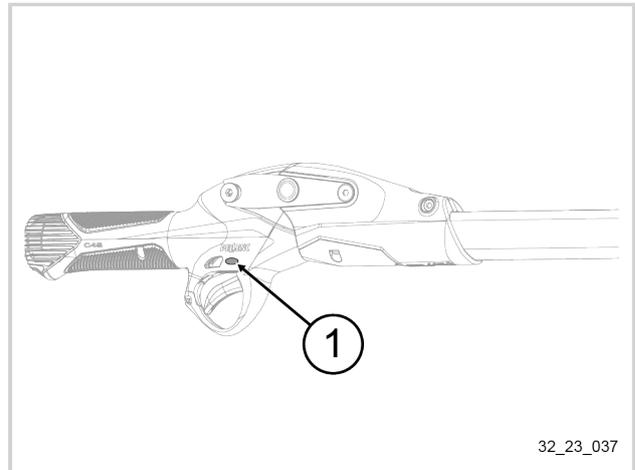
- The user must not touch the cutting head and must be in contact with the conductive pads simultaneously,
- The insulating cover must be installed on the adaptation pin of the pole, if the pole is disassembled (only with the pole option).
See the assembly instructions.

5.2.2. STARTING THE TOOL WITH A POLE WITH ACTIV' SECURITY ACTIVATED (FACTORY SETTING)

1. Turn on the battery.
See the operating instructions for the battery.

The battery beeps twice.

The Activ' Security LED (1) flashes red while waiting for information on the calibration of the tool according to its user.



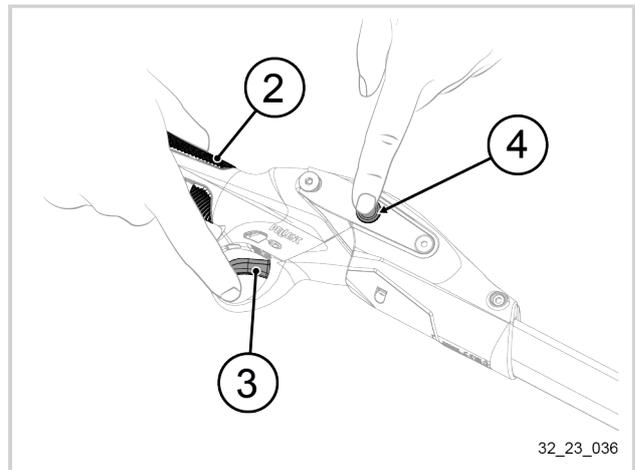
2. Take the tool in your hand, making sure your fingers are in contact with one of the conductive pads (2).
3. Place the index finger of the hand holding the tool on the trigger (3).
4. Position the index finger of the other hand on the tool sleeve (4).

The Activ' Security LED turns solid red when the tool has saved the user-related calibration parameters.

5. Release the tool sleeve (4).

The Activ' Security LED turns blue.

The tool emits a beep.



6. Press the trigger (3) with your index finger to operate the tool.

Note

For more information on Activ' Security:

- The user must not touch the cutting head and must be in contact with the conductive pads simultaneously,

5.3. ACTIV'SECURITY DEACTIVATED

Warning

The user is strongly advised not to deactivate the Activ' Security. Deactivating this safety system exposes the user to the risk of serious and deep cuts.

The user is responsible for any accident that occurs as a result of the deactivation of the Activ' Security feature.

The deactivation of this safety system is recorded in the battery's black box.



5.3.1. DEACTIVATING ACTIV' SECURITY

Important

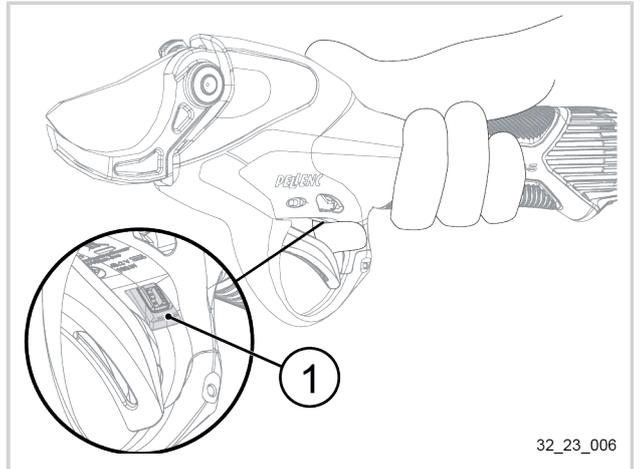
Carry out this operation without gloves. Do not wear gloves.

1. Switch on the battery.
See the operating instructions for the battery.

The battery beeps twice.

Note

The user's finger should not be placed on the optical sensor when the battery is switched on.

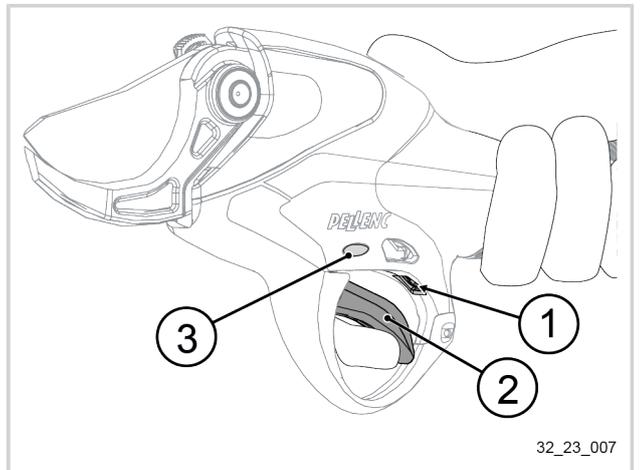


32_23_006

Within 10 seconds of starting the tool:

2. Take the tool into your hand.
3. Position the index finger in front of the optical sensor (1) **for 1 second**.
4. Press the trigger (2) in fully.
5. Release the trigger (2).
6. Position the index finger in front of the optical sensor (1) **for 1 second**.

The tool will emit an alarm sound and the "Mode" LED (3) will turn red to indicate that the Activ' Security is deactivated.



32_23_007

Note

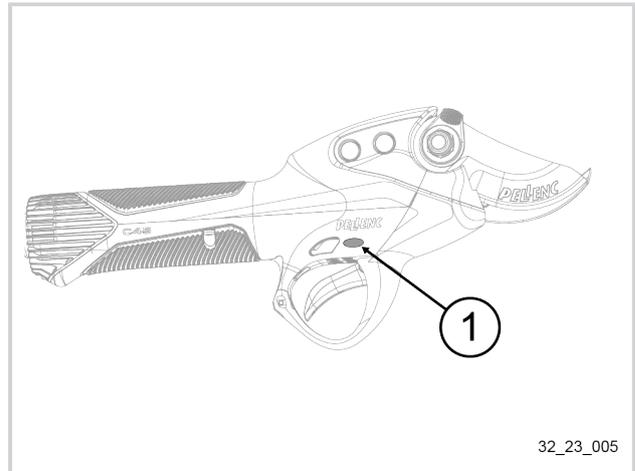
When the Activ' Security is deactivated, the tool emits an alarm sound each time it is switched on and off.

5.3.2. STARTING THE TOOL WITH ACTIV' SECURITY DEACTIVATED

1. Turn on the battery.
See the operating instructions for the battery.

The battery beeps twice.

The Activ' Security LED (1) flashes red.

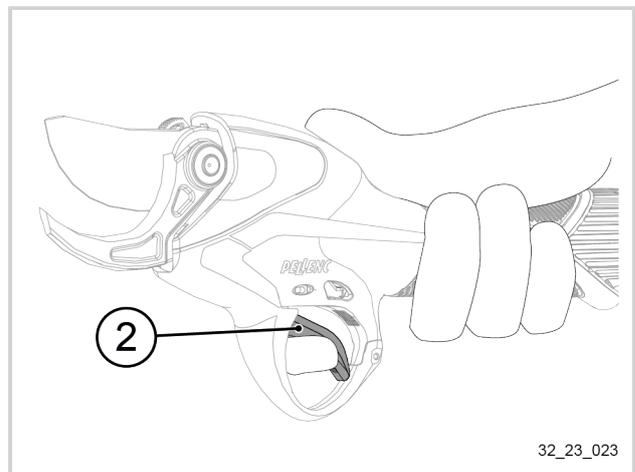


2. Take the tool into your hand.
3. Press the trigger (2) with the index finger of the hand holding the tool.

The tool emits three alarm beeps to warn that the Activ' Security feature is not activated.

The blade opens.

The tool is ready for use.



5.3.3. ACTIVATING ACTIV' SECURITY



Warning

Activ' Security is based on conduction and only works at its best when gloves are worn PELENC Activ' Security.

When working in wet conditions, wearing gloves PELENC increases safety effectiveness.

If you put on gloves that you did not have at the beginning of the day or you replace your working gloves during the day, make sure they are compatible with the Activ' Security by restarting the tool and activating the security.



Warning

The safety system only protects the user holding the tool, any other person is not protected.

Activ' Security and gloves PELENC reduce the risk of cuts, **but the risk is still present**. Always be careful when using pruning shears.

Important

Carry out this operation without gloves. Do not wear gloves.

1. Switch on the battery.
See the operating instructions for the battery.

The battery beeps twice.

Note

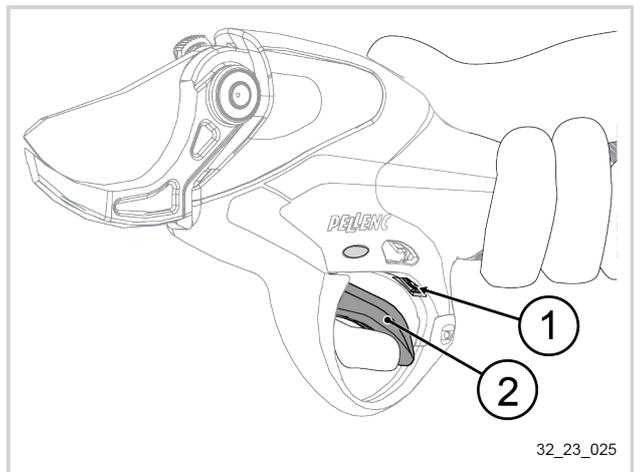
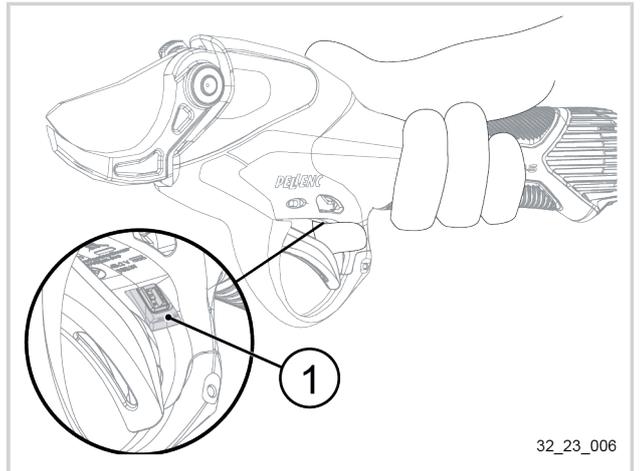
The user's finger should not be placed on the optical sensor when the battery is switched on.

Within 10 seconds of starting the tool:

2. Take the tool into your hand.
3. Position the index finger in front of the optical sensor (1) for 1 second.
4. Press the trigger (2) in fully.
5. Release the trigger (2).
6. Position the index finger in front of the optical sensor (1) for 1 second.

The tool will emit a audible warning to confirm the activation of the Activ' Security.

7. Check that Activ' Security is operating, see 6.3.2. Checking the operation of the Activ'Security and the conductivity of the gloves, page 33.



Important

The safety systems have their limits. The user of the tool will need to be vigilant to ensure that the tool works properly.

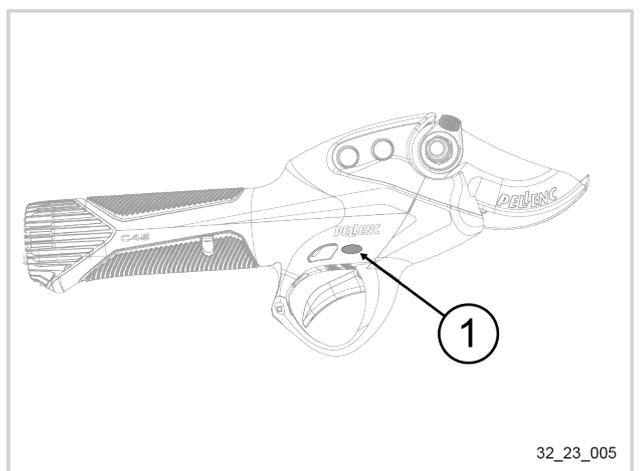
5.4. BLADE OPENINGS

5.4.1. FULL OPENING OF THE BLADE

1. Turn on the battery
See the operating instructions for the battery.

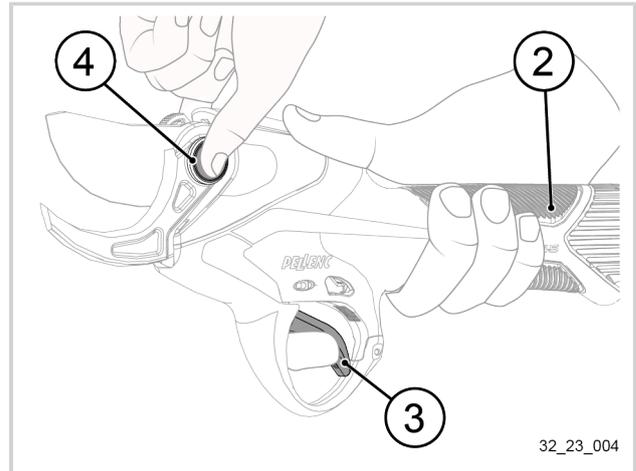
The battery beeps twice.

The Activ' Security LED (1) flashes red.

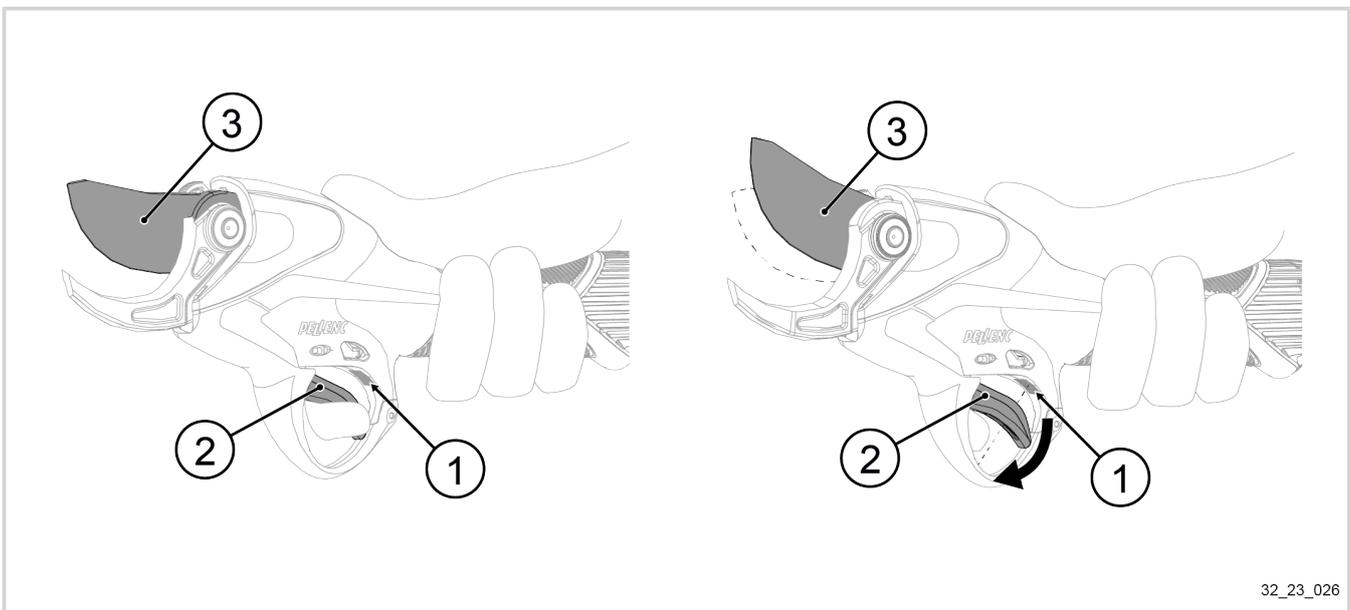


2. Take the tool into your hand.
3. **If Activ' Security is activated:**
 - Ensure that your fingers are in contact with one of the conductive pads (2) and simultaneously
 - Touch the blade pin (3) with your other hand.
4. Press the trigger (4) with the index finger of the hand holding the tool.

The blade opens.



5.4.2. OPTICAL SENSOR AND HALF-OPENING



The blade (3) remains in half-open position as long as the optical sensor (1) detects that the user's finger is in front of the trigger (2).

When the finger moves away from the trigger (2), the optical system controls the full opening of the blade (3) (modes C1 + C3).

For more information on setting the sensitivity of the optical sensor, see 5.6.3. "Functional" setting modes, page 29

Note

Depending on the gloves used, they may have an impact on the operation of the optical sensor. We recommend not wearing black gloves.

Important

If the optical sensor is no longer functioning properly, check that nothing is blocking the trigger slot, or clean the optical sensor window with cleaning alcohol.

5.5. SWITCHING TO AND FROM STANDBY

5.5.1. AUTOMATIC STANDBY MODE

The tool can be put to standby when the F8 mode is set between 1 and 8.
See 5.6.3. "Functional" setting modes, page 29.

If no action is taken on the pruning shears or the battery for 2 minutes, the tool automatically switches to standby.

Note

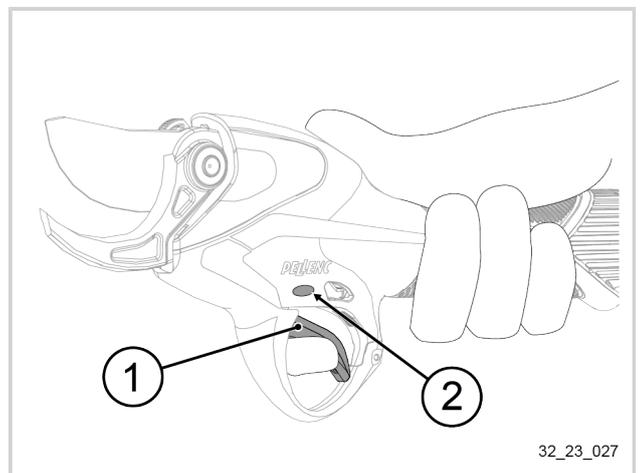
A beep from the battery indicates that the tool is in standby mode.

5.5.2. MANUAL STANDBY MODE

1. Press the trigger (1) fully in for a few seconds (long press) until the blade closes.
The battery beeps and the LED MODE (2) flashes.
2. Release the trigger (1).
The blade remains closed.

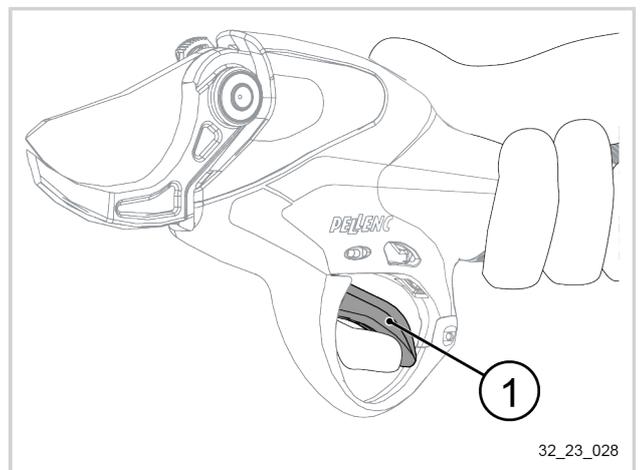
Note

To adjust the time the trigger is held down for the tool to go into standby, see 5.6.3. "Functional" setting modes, page 29.



5.5.3. EXITING STANDBY

1. Press the trigger (1) in fully.
2. Release the trigger (1).



5.6. HMI (HUMAN MACHINE INTERFACE) SETTINGS OF THE TOOL

The Human Machine Interface (HMI) is an interface that links the user to the control system of a tool or machine.
The operator is then able to interact with the tool or machine.

5.6.1. USAGE MODES

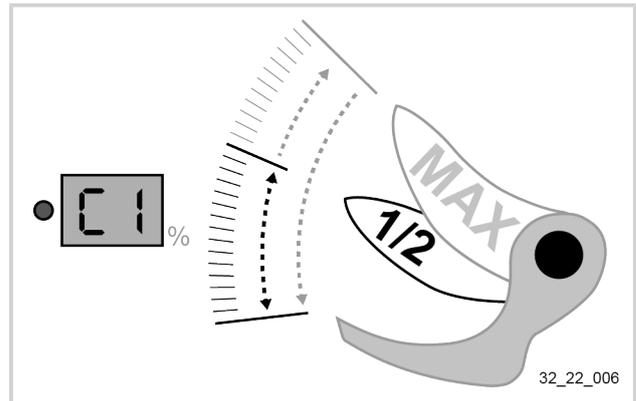
5.6.1.1. PRESENTATION OF USAGE MODES

Different operating modes are available to best suit the user's working habits (indicated on the display). The tool offers 4 operating modes, depending on the operator's working preferences.

5.6.1.1.1. PROGRESSIVE (INCREMENTAL) MODES

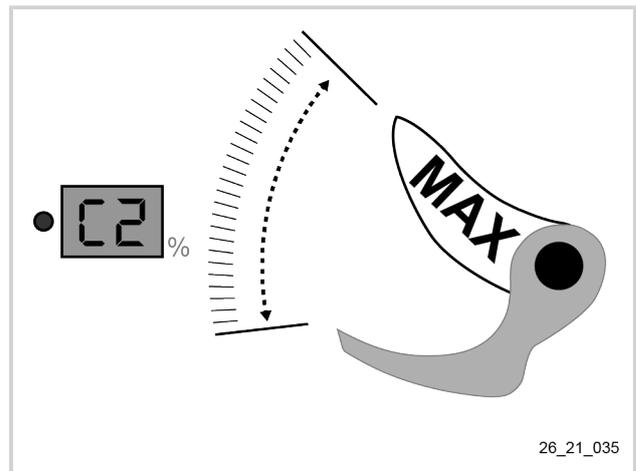
Mode C1: PROGRESSIVE HALF OPENING

- Progressive operation with half-opening.
- The user controls the opening of the blades by pressing the trigger.



Mode C2: PROGRESSIVE (factory mode) 

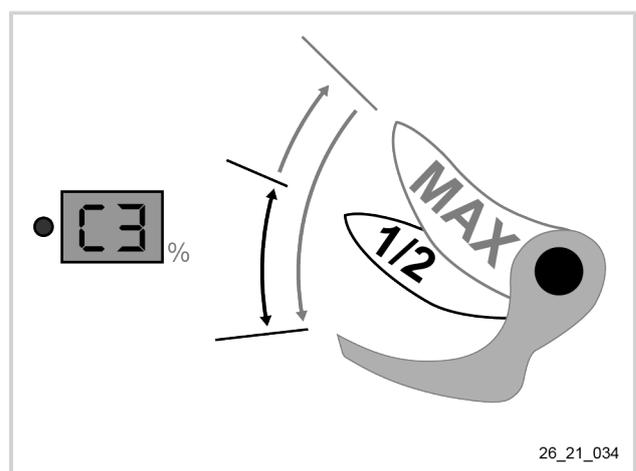
- When leaving the factory, the pruning shears are set in "progressive" mode without half-opening.
- The user controls the opening of the blades by pressing the trigger.



5.6.1.1.2. ALL-OR-NOTHING MODES

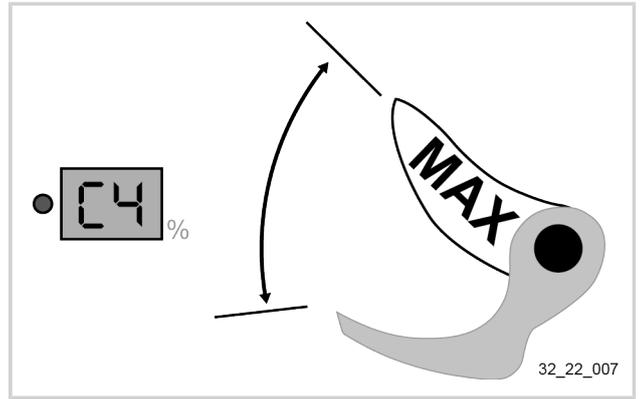
Mode C3: ALL-OR-NOTHING HALF OPENING

- Fast, "On/Off" operation, with half-opening.
- The blades are opened with a single pull of the trigger.

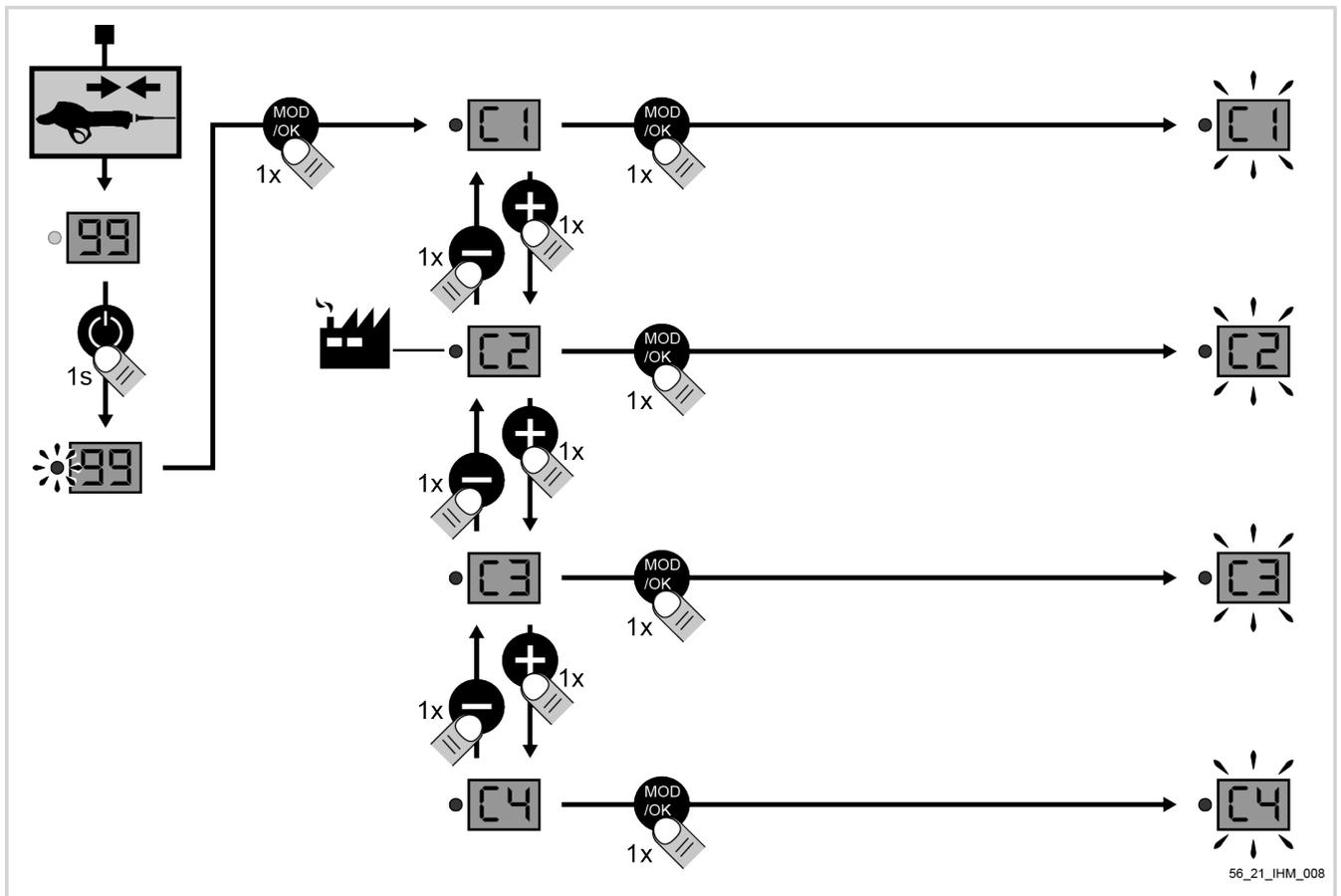


Mode C4: ALL-OR-NOTHING

- "All-or-nothing" operation without half-opening.
- The blades are opened with a single pull of the trigger.



5.6.1.2. CHANGING USAGE MODE



1. Connect the tool to the battery.
See 4.7. Connecting the tool to the ULIB 150P and 250 batteries, page 17.
2. Turn on the battery.
See the operating instructions for the battery.
3. Press the "mode" button on the battery.
4. Select modes C1, C2, C3 or C4 by pressing "+" or "-",
5. Press the "mode" button to validate.

5.6.2. AUTHORISATION MODES

5.6.2.1. PRESENTATION OF AUTHORISATION MODES

It is possible to set the tool's setting level according to the tool's operating modes.
See 5.6.1. Usage modes, page 26.

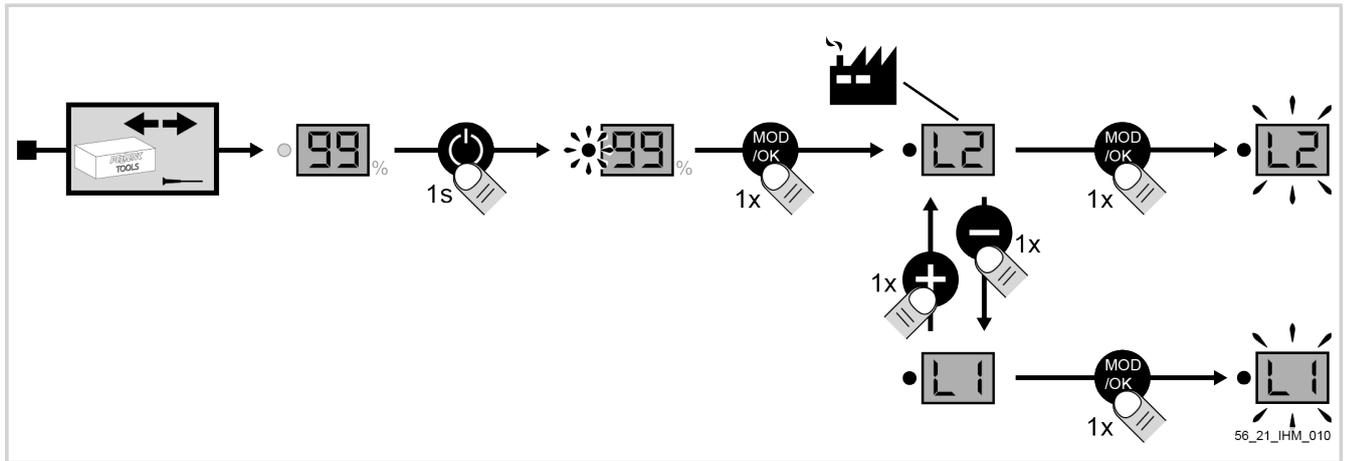
- L1: "Normal" mode: the user has access to the 4 operating modes C1 to C4 but without any possibility of adjustments.
- L2: "Expert" mode: the user has access to the 4 operating modes C1 to C4 and four settings F5 to F8 (factory setting ).

To change the authorisation settings of the tool, see 5.6.2.3. Change of authorisation mode, page 29.

5.6.2.2. COMPATIBILITY BETWEEN AUTHORISATION MODES AND TOOL SETTINGS

Pruning shears C45	Setting mode	
	L1	L2
Pruning shears modes		
C1 : Progressive half opening	✓	✓
C2 : Progressive	✓	✓
C3 : All-or-nothing operation with half-opening	✓	✓
C4 : All-or-nothing	✓	✓
F5 : Blade crossing setting	✗	✓
F6 : Adjusting the half-opening	✗	✓
F7 : Adjusting optical sensor sensitivity	✗	✓
F8 : Tool standby delay setting	✗	✓

5.6.2.3. CHANGE OF AUTHORISATION MODE



1. Disconnect the tool from the battery.
See 4.8. Disconnecting the tool from the ULIB 150P and 250 batteries, page 18.
2. Switch on the battery.
See the operating instructions for the battery.
3. Press the "mode" button on the battery,
4. Select the mode by pressing + or -,
5. Press the "mode" button to validate.
6. Switch off the battery.
See the operating instructions for the battery.
7. Connect the tool to the battery.
See 4.7. Connecting the tool to the ULIB 150P and 250 batteries, page 17.

5.6.3. "FUNCTIONAL" SETTING MODES

5.6.3.1. PRESENTATION OF THE "FUNCTIONAL" SETTING MODES

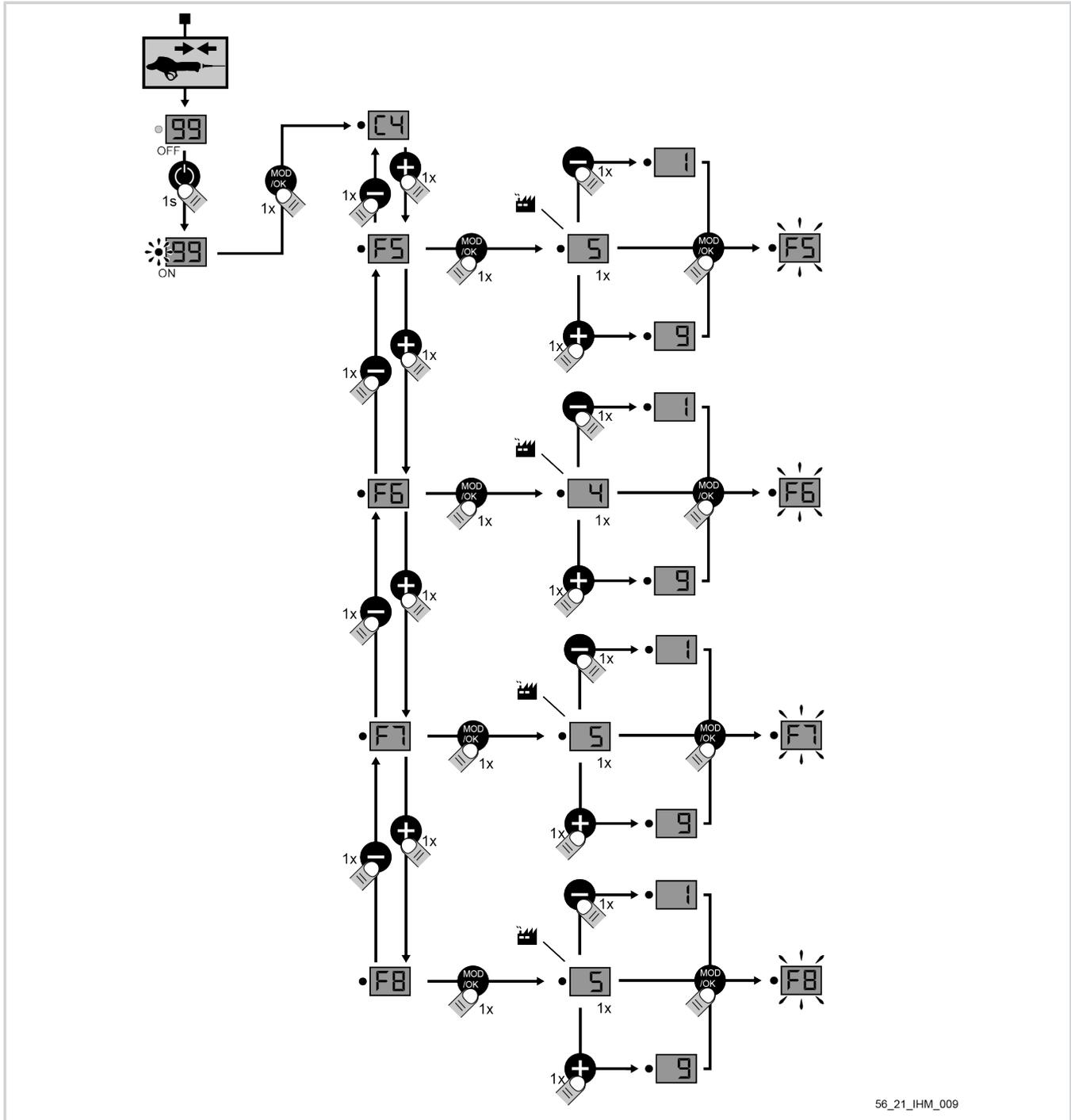
The user has the possibility to act on 4 so-called "functional" settings:

- Blade crossing.
See 6.3.4. Checking the crossing over of the hook and the blade, page 35.
- Half-opening of the blade,
- Sensitivity of the optical sensor,
- Tool into standby delay.

Functional modes	Description	Adjusting the setting
F5 : Blade crossing setting	Adjust the blade crossing.	1 - 9 : Low crossing - high crossing
F6 : Half-open setting	Adjust the blade half-opening.	1 - 9 : Narrow opening - wide opening
F7 : Adjusting optical sensor sensitivity	Adjust the sensitivity of the blade's optical sensor.	1 - 9 : Very sensitive - not very sensitive
F8 : Tool standby delay setting	Adjust the amount of time the trigger is held down before the tool goes to standby.	1 - 8 : Minimum time limit - maximum time limit
		9 : No standby mode

To modify the "functional" settings of the tool, see 5.6.3.2. Change of "functional" settings mode, page 30.

5.6.3.2. CHANGE OF "FUNCTIONAL" SETTINGS MODE



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1. Connect the tool to the battery.
See 4.7. Connecting the tool to the ULIB 150P and 250 batteries, page 17.
2. Turn on the battery.
See the operating instructions for the battery.
3. On the battery, select the mode by pressing "+" or "-",
4. Press the "mode" button to validate.
5. Press "+" or "-" to adjust the setting from 1 to 9, see 5.6.3.1. Presentation of the "functional" setting modes, page 29.
6. Press the "mode" button to validate.

6. MAINTENANCE



Caution

- All maintenance operations must be carried out with the battery switched off and the tool power cord disconnected from the battery, unless otherwise specified in the procedure.
- Use products recommended by PELLENC.
- Contact an authorised distributor PELLENC in the event of a problem.

6.1. FREQUENCY OF OPERATIONS

Maintenance schedule

Operations	Frequency of operations			
	Each time the tool is used ¹	Every 4 hours	Every week	After use
Visually check the general condition of the tool. See 6.3.1. Visual check of the general condition of the tool, page 32.	X			
Check the functioning of the Activ' Security. See 6.3.2. Checking the operation of the Activ'Security and the conductivity of the gloves, page 33.	X	X		
Check the condition of the gloves and their conductivity. See 6.3.2. Checking the operation of the Activ'Security and the conductivity of the gloves, page 33.	X	X		
Check the operating trigger. See 6.3.3. Checking the operating trigger, page 34.	X			
Check the crossing over of the hook and the blade. See 6.3.4. Checking the crossing over of the hook and the blade, page 35.	X			
Check the sharpness of the blade. See 6.3.5. Sharpening the blade, page 37.				X
Check the tightness of the blade. See 6.3.6. Adjusting the tightness of the blade, page 38.	X			
Check the tightness of the tool power cord. See 4.7. Connecting the tool to the ULIB 150P and 250 batteries, page 17.	X			
Check the battery charge level.	X			X
Changing the blade kit See 6.4. Changing the blade or pins, page 38.	EVERY 200 HOURS or as necessary to maintain good quality cutting, replace the blade.			
Grease the blade. See 6.5. Greasing the blade, page 41.			X	
Clean the tool (blowing or brushing, not high pressure jet cleaning). See 6.6. Cleaning the tool, page 41.				X

Operations	Frequency of operations			
	Each time the tool is used ¹	Every 4 hours	Every week	After use
Have the tool checked by an authorised distributor PELLENC.	Important Have your machine serviced every 200 hours or at least once a year by a authorised distributor PELLENC. Always store the tool clean and in a dry place, with the battery charged.			
Battery	Please refer to the battery operating instructions.			

6.2. MAINTENANCE ADVICE

If the cut is no longer clean and effortless, this means that the tool is consuming more energy than necessary. Then check:

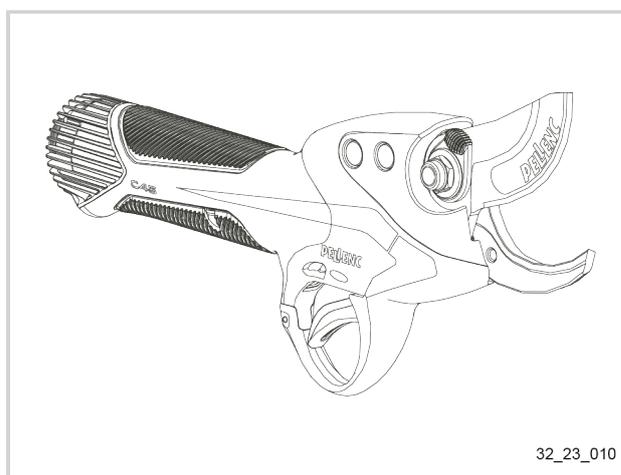
1. blade sharpening,
2. the tightness of the blade,
3. greasing of the blade pin,
4. general condition of the tool.

The operating time and service life of the pruning shears mainly depend keeping the blade properly sharpened and tightened.

6.3. CHECK

6.3.1. VISUAL CHECK OF THE GENERAL CONDITION OF THE TOOL

- Visually check the general condition of the tool.



6.3.2. CHECKING THE OPERATION OF THE ACTIV'SECURITY AND THE CONDUCTIVITY OF THE GLOVES

Each time the tool is switched on, the safety device is waiting to be initialised.



Warning

For the proper functioning of the safety system, it is imperative to use conductive gloves PELENC or no gloves.



Warning

Contact an authorised distributor PELENC in the event of a problem.

At the beginning of each day or change of user, it is necessary to ensure that the Activ' Security is working properly. Three operating verification methods are possible:

Method 1 (tool alone):

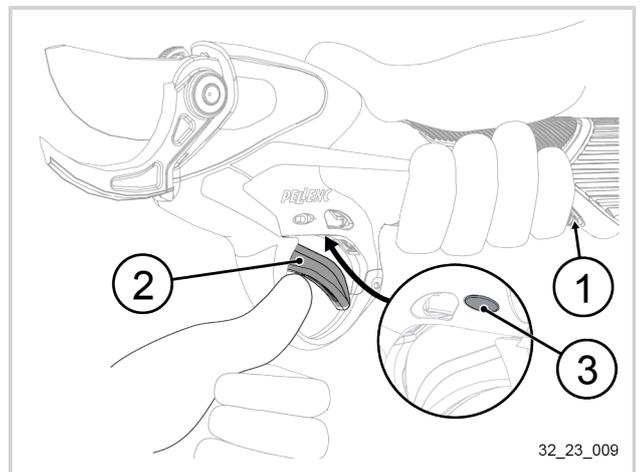
1. Switch the tool on.
See the operating instructions for the battery.
2. Take the tool in your hand, making sure that your fingers are in contact with one of the conductive pads (1).

The "Activ' Security" LED (3) is solid red.

3. Check the conductivity of each finger of the opposite hand by pressing them one by one against the trigger (2).

The "Activ' Security" LED (3) must be blue (fixed or flashing) each time a finger is fitted on the trigger.

4. Check the correct operation of the blade according to the position of the trigger (2).



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Method 2 (tool alone):

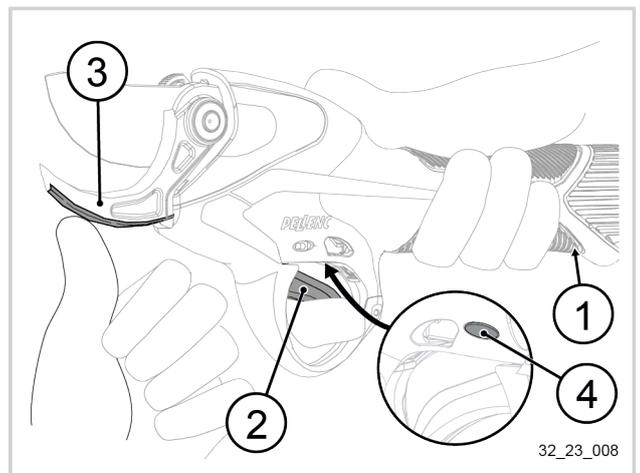
1. Switch the tool on.
See the operating instructions for the battery.
2. Take the tool in your hand, making sure that your fingers are in contact with one of the conductive pads (1).
3. Place the index finger of the hand holding the tool on the trigger (2).
4. Apply pressure to the lower edge of the hook (3) with the opposite hand.

The "Activ' Security" LED (4) is solid red.

5. Remove the opposite hand from the hook (3).

The "Activ' Security" LED (4) must be blue.

6. Check the correct operation of the blade according to the position of the trigger (3).

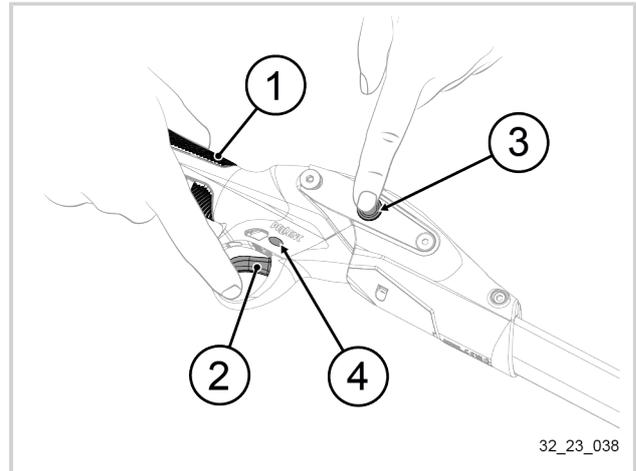


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Method 3 (tool equipped with a pole):

In the case of a tool with a pole, it is difficult to reach the blade hook. To check the presence of the Activ' Security it is necessary to perform the following steps:

1. Switch the tool on.
See the operating instructions for the battery.
2. Take the tool in your hand, making sure that your fingers are in contact with one of the conductive pads (1).
3. Place the index finger of the hand holding the tool on the trigger (2).
4. Position the index finger of the other hand on the tool sleeve (3).



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The "Activ' Security" LED (4) is solid red.

5. Take the index finger off the tool sleeve (3).

The "Activ' Security" LED (4) must be blue.

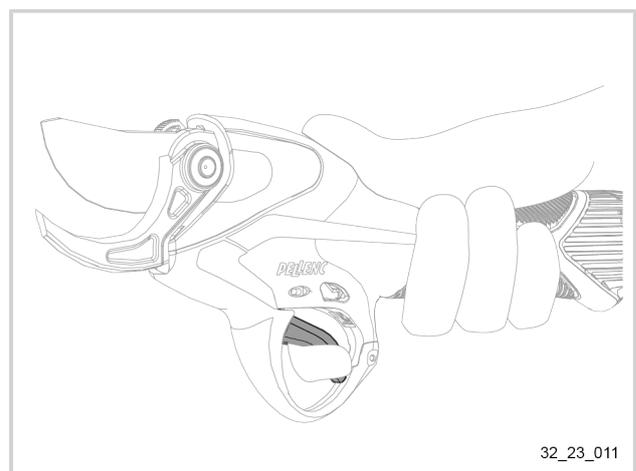
6. Check the correct operation of the blade according to the position of the trigger (2).

Note

When the blade is held in the open position and the battery emits a beep in the event of simultaneous contact with the two conductive surfaces, the Activ' Security is working. In case of malfunction, try to increase the contact area with the tool and wear/replace your conductive gloves.

6.3.3. CHECKING THE OPERATING TRIGGER

1. Visually check the condition of the operating trigger.
2. Ensure that nothing physical (e.g. tape, collar, etc.) prevents or interferes with the operation of the operating trigger.
3. Ensure that the operating trigger is functioning properly by pressing it.

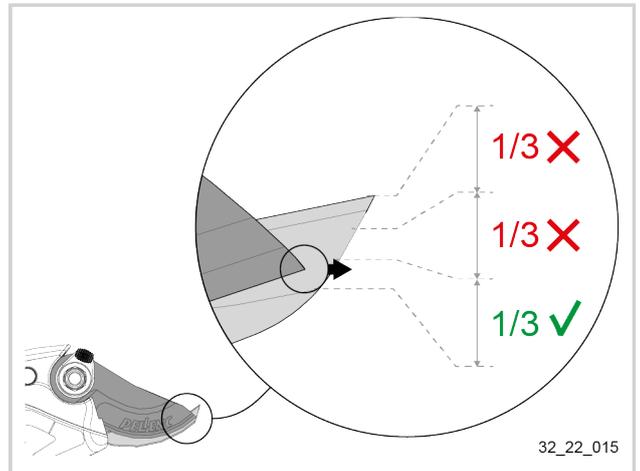


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6.3.4. CHECKING THE CROSSING OVER OF THE HOOK AND THE BLADE

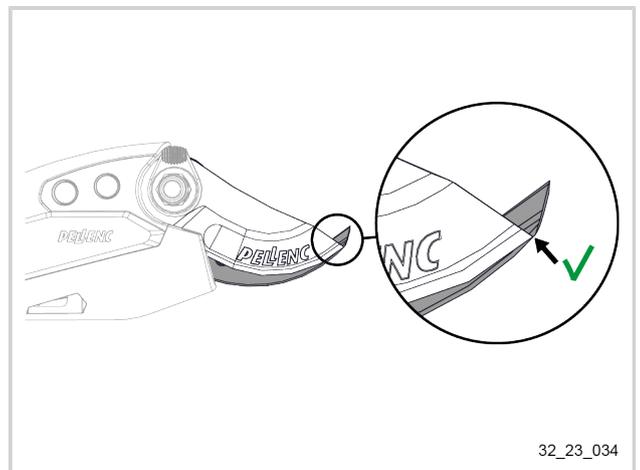
6.3.4.1. CHECKING THE INTERSECTION OF THE HOOK AND THE BLADE OF THE TOOL ALONE

1. Ensure that in the closed position the tip of the blade is in the lower third of the hook.
2. Adjust the crossing if necessary, see 5.6.3. "Functional" setting modes, page 29.



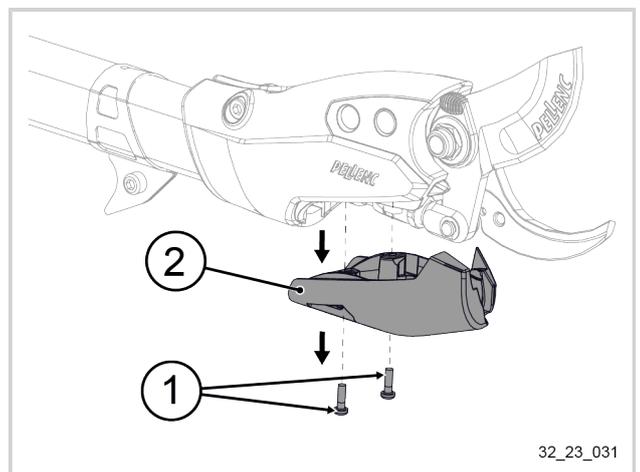
6.3.4.2. CHECKING THE INTERSECTION OF THE HOOK AND THE BLADE OF THE TOOL FITTED WITH A POLE

1. Ensure that in the closed position the tip of the blade is diverging from the bottom of the hook.



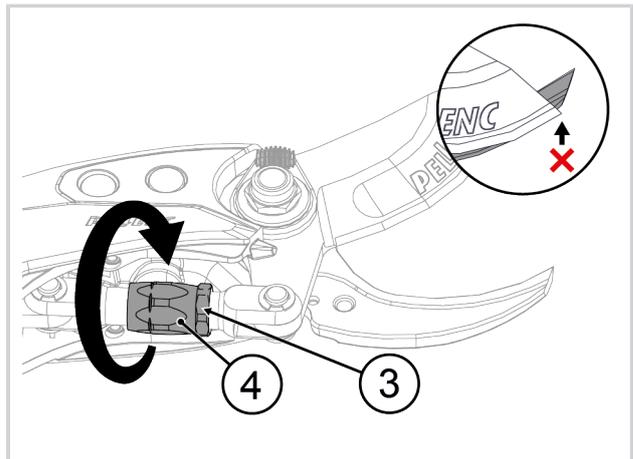
Adjust the crossing of the hook and blade if necessary:

1. Turn on the battery.
See the operating instructions for the battery.
2. Open the tool blade.
See 5.4. Blade openings, page 23.
3. Turn the battery off.
See the operating instructions for the battery.
4. Disconnect the tool from the battery.
See 4.8. Disconnecting the tool from the ULIB 150P and 250 batteries, page 18.
5. Loosen the two screws (1) using a Torx T10 screwdriver.
6. Remove the two screws (1).
7. Remove the cutting head cover (2).



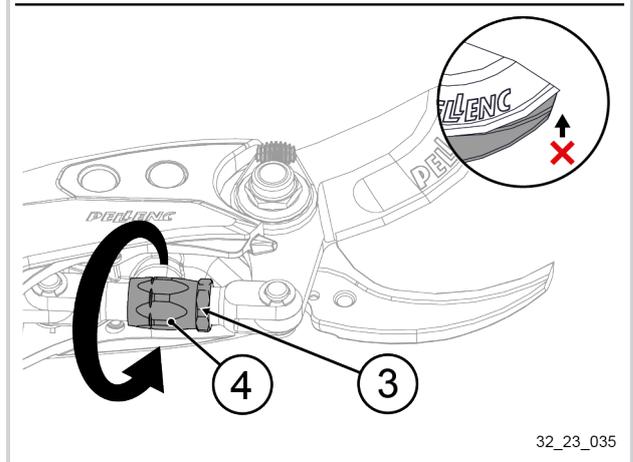
8. **If the blade crossing is too significant:**

- Unscrew the safety ring (3) with a 13 mm wrench.
- Unscrew the adjustment link (4) to extend it.
- Screw on the safety ring (3) to secure the position of the adjustment link (4).



If the blade crossing is insufficient:

- Unscrew the safety ring (3) with a 13 mm wrench.
- Screw in the adjustment link (4) to shorten it.
- Screw on the safety ring (3) to secure the position of the adjustment link (4).

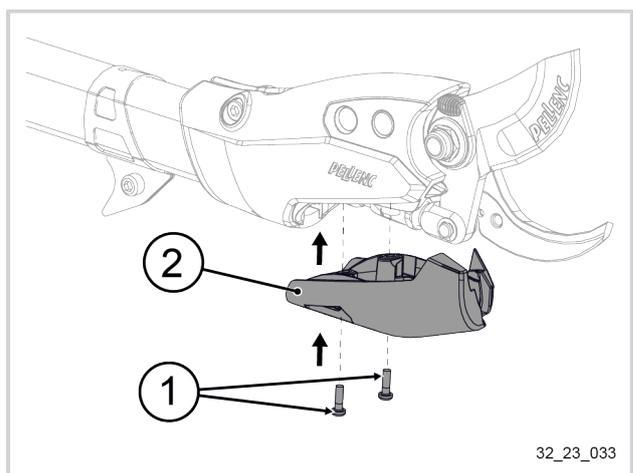


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Important

Be careful not to unscrew the adjustment link (3) too far, as it could come off or collide with the blade hook.

- Put the cutting head cover (2) on the tool.
- Tighten the two screws (1) to secure the position of the cutting head cover using a Torx T10 screwdriver.
- Connect the tool to the battery.
See 4.7. Connecting the tool to the ULIB 150P and 250 batteries, page 17.
- Switch on the battery.
See the operating instructions for the battery.
- Start the tool.
See 5.2.2. Starting the tool with a pole with Activ' Security activated (factory setting), page 20 or 5.3.2. Starting the tool with Activ' Security deactivated, page 22.
- Close the blade by pulling the trigger of the tool.
- If the blade crossing setting is not satisfactory, repeat all the points in the above procedure.



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6.3.5. SHARPENING THE BLADE

This operation is essential because it determines the quality of the cut of the tool, guarantees the longevity of the blades and mechanical parts and preserves the autonomy of the battery.

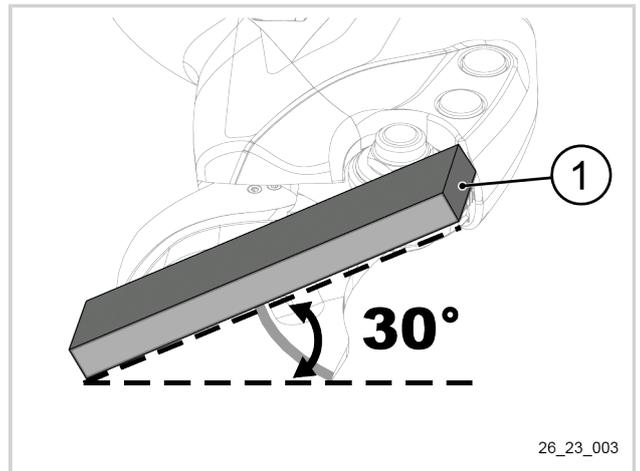
The frequency of blade sharpening depends on:

- the wood being cut (hardness and diameter),
- the rate of pruning,
- the sharpening tool. A sharpening stone is supplied with your tool.

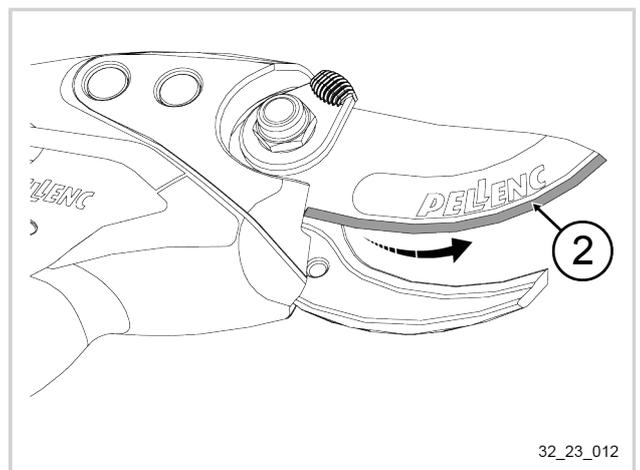
1. Open the tool blade fully.
See 5.4. Blade openings, page 23.
2. Turn the battery off.
See the operating instructions for the battery.
3. Disconnect the tool from the battery.
See 4.8. Disconnecting the tool from the ULIB 150P and 250 batteries, page 18.
4. Pose the sharpening stone (1) onto the blade on the right-hand side of the tool.

Important

Incline the stone about 30° to match the edge of the blade perfectly.



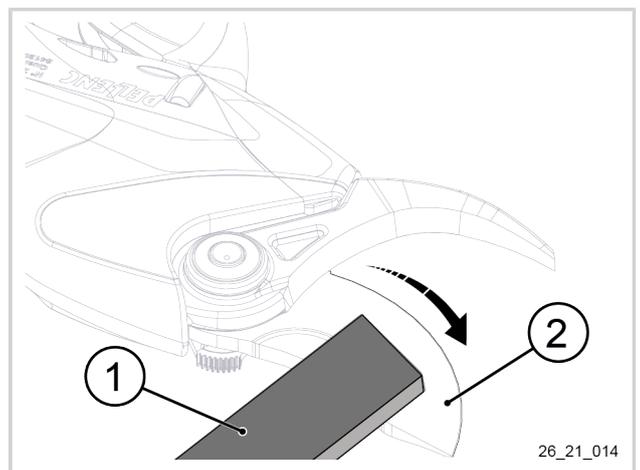
5. Refresh only the 1st cutting angle (2) from the inside to the outside until the burr is removed from the blade edge.



6. Turn the tool over.
7. Deburr the back of the blade (2) once, posing the sharpening stone flat from the inside out.

Important

It is imperative to remove the burr from the edge of the blade and to carry out the first refreshment within the first 15 minutes of use, then every 1 or 2 days maximum.

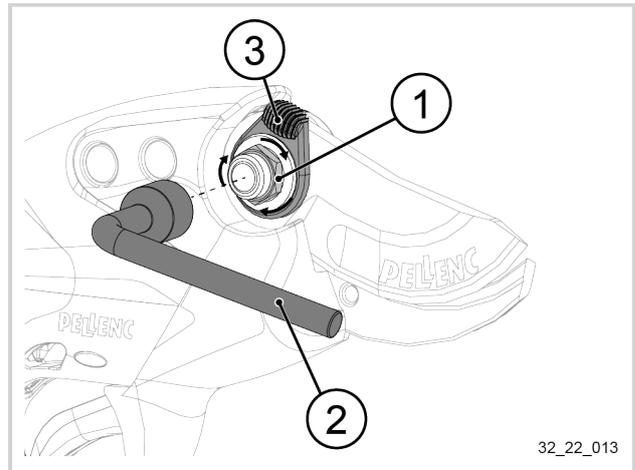


8. Check the tightness of the blade.
See 6.3.6. Adjusting the tightness of the blade, page 38.

6.3.6. ADJUSTING THE TIGHTNESS OF THE BLADE

To obtain the correct adjustment:

1. Perform these operations **with the blade open, tool disconnected from the battery**.
2. Tighten the nut (1) with the supplied spanner (2).
3. As soon as the nut (1) starts to bind, stop.
4. Go back slightly to allow the check washer (3) to fit properly into the grooves.
5. Close the blade.
6. Check that the check washer (3) is locked.



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Important

When **the blade is in the closed position**, the check washer (3) must be locked.

Note

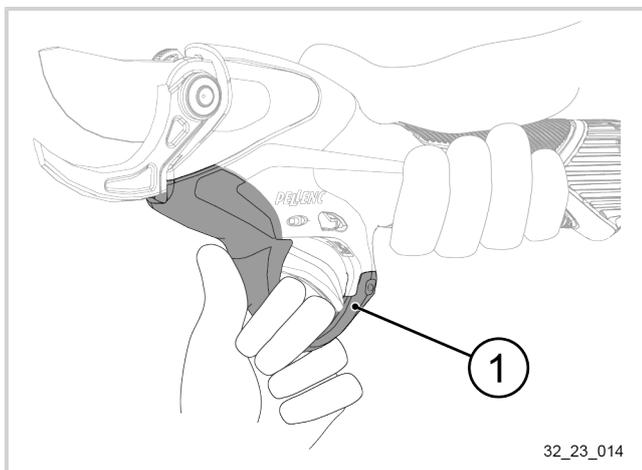
Excessive tightening can lead to high power consumption and thus to overheating of the tool and a significant reduction in battery life.

6.4. CHANGING THE BLADE OR PINS

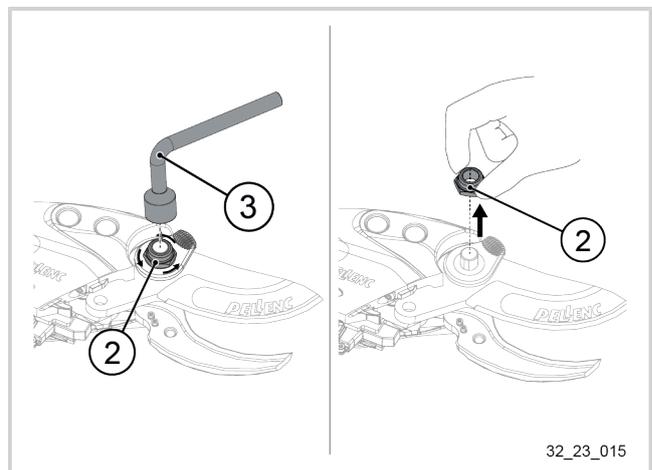
6.4.1. REMOVE / FIT THE BLADE AND PINS OF THE TOOL ALONE

6.4.1.1. REMOVE THE BLADE AND PINS FROM THE TOOL ALONE

1. Open the blade fully.
See 5.4. Blade openings, page 23.
2. Turn the battery off.
See the operating instructions for the battery.
3. Disconnect the tool from the battery.
See 4.8. Disconnecting the tool from the ULIB 150P and 250 batteries, page 18.



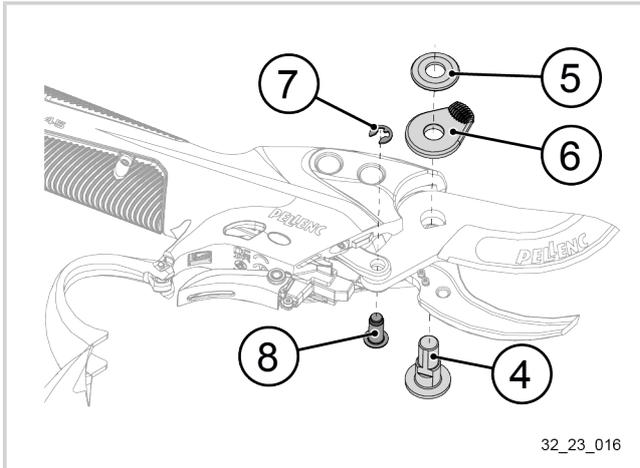
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32_23_015

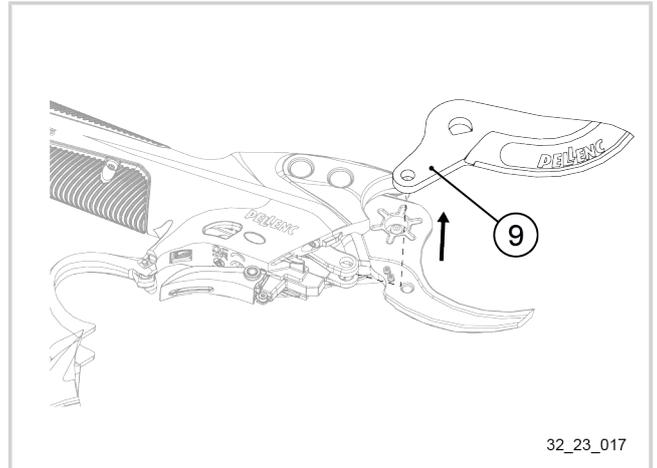
4. Open the guard (1).

5. Loosen the nut (2) with the key provided (3).



7. Remove the parts in this order:
- The blade pin (4),
 - The washer (5),
 - The knurled adjustment washer (6),
 - The circlip (7) by levering with a small screwdriver,
 - the clevis pin (8).

6. Remove the nut (2).



8. Remove the blade (9) and dispose of it.

Note

To reinstall the blade and pins, see 6.4.1.2. Fit the blade and pins of the tool alone, page 39.

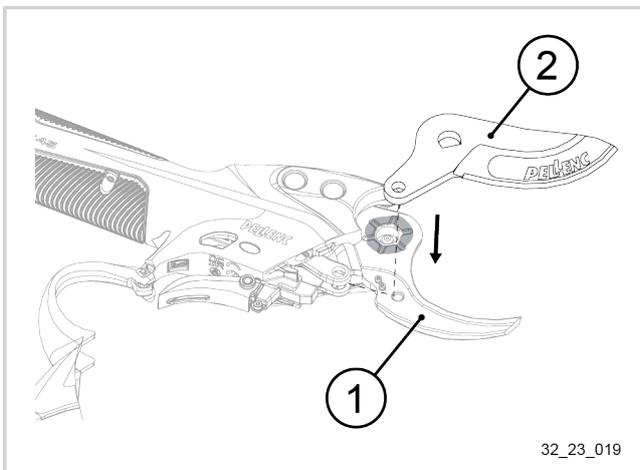
6.4.1.2. FIT THE BLADE AND PINS OF THE TOOL ALONE

Note

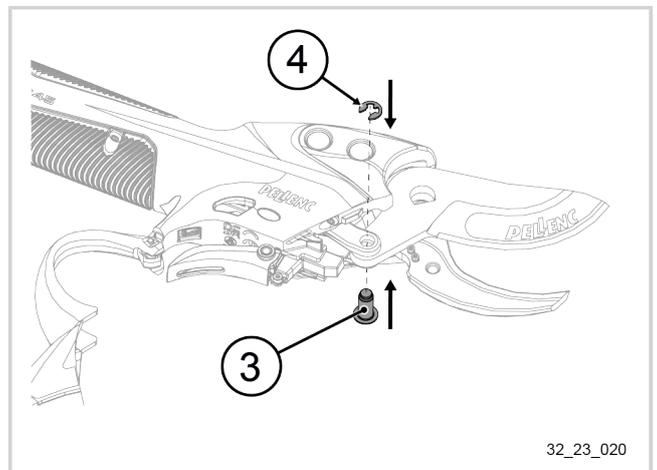
To remove the blade, the pins and change the worn parts, see 6.4.1.1. Remove the blade and pins from the tool alone, page 38.

Before fitting the blade and tool pins:

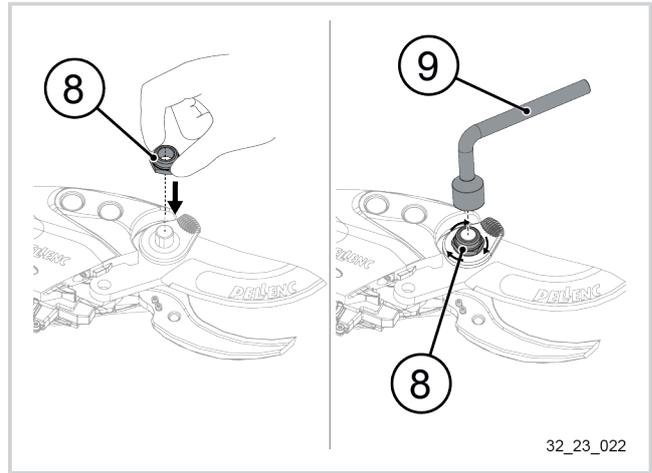
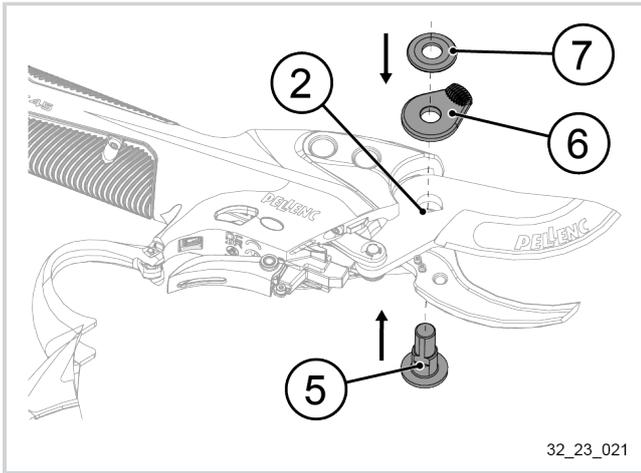
1. Ensure that the battery is switched off.
See the operating instructions for the battery.
2. Make sure the tool is disconnected from the battery.
See 4.8. Disconnecting the tool from the ULIB 150P and 250 batteries, page 18.



3. Grease the surface of the hook (1) in contact with the blade (2) with the tube of grease supplied.
4. Fit the blade (2) on the hook (1).

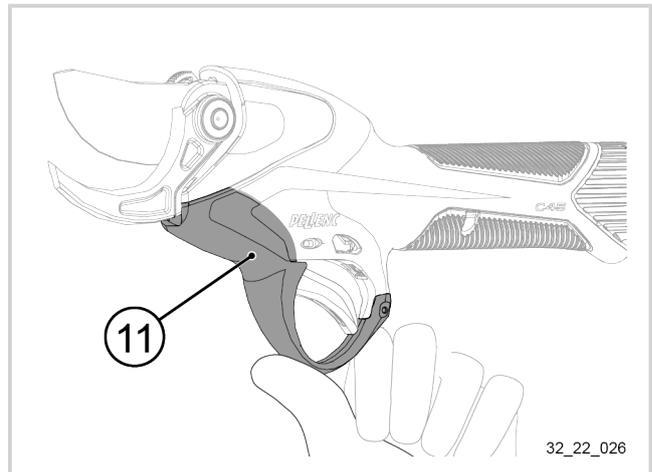
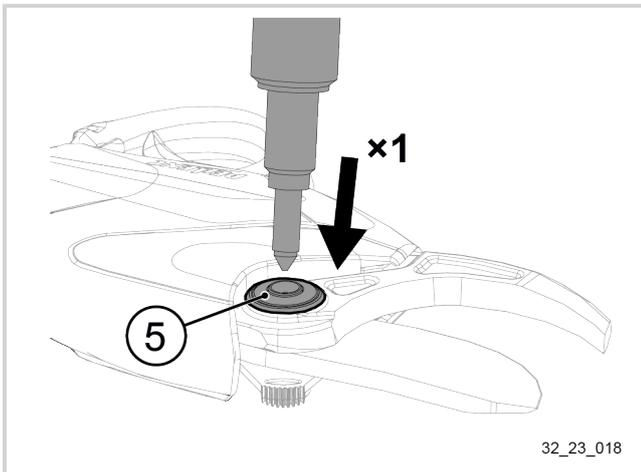


5. Grease the clevis pin (3) with the supplied tube of grease.
6. Install the clevis pin (3) on the tool link.
7. Fit a new circlip (4) with the sharp edge facing outwards onto the clevis pin (3).



8. Align the flat on the blade pin (5) with the alignment marker on the blade (2).
9. Fit the blade pin (5).
10. Replace the knurled adjustment washer (6),
11. Replace the washer (7).

12. Fit the nut (8) on the blade pin.
13. Tighten the nut (8) using the spanner provided (9). See 6.3.6. Adjusting the tightness of the blade, page 38.



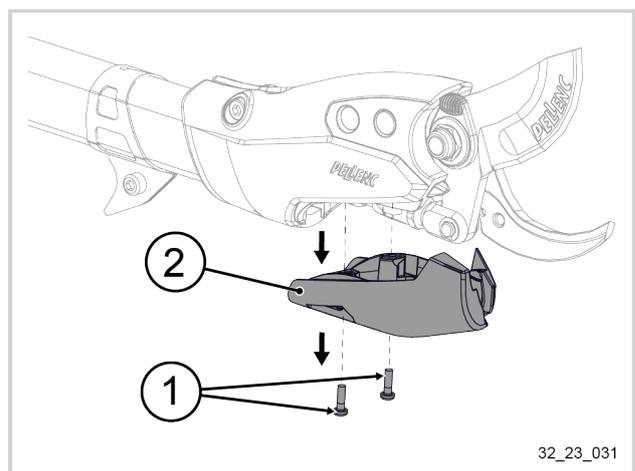
14. Grease the blade pin (5). See 6.5. Greasing the blade, page 41.

15. Clip the guard (11) back in place by pressing in the centre.

6.4.2. REMOVE / FIT THE BLADE AND PINS OF THE TOOL EQUIPPED WITH A P150 OR P200 POLE

6.4.2.1. REMOVE THE BLADE AND PINS FROM THE TOOL EQUIPPED WITH A P150 OR P200 POLE

1. Repeat points 1 to 3 of the procedure for removing the blade and pins from the tool alone. See 6.4.1.1. Remove the blade and pins from the tool alone, page 38.
2. Loosen the two screws (1) using a Torx T10 screwdriver.
3. Remove the two screws (1).
4. Remove the cutting head cover (2).
5. Repeat points 5 to 8 of the procedure for removing the blade and pins from the tool alone. See 6.4.1.1. Remove the blade and pins from the tool alone, page 38.

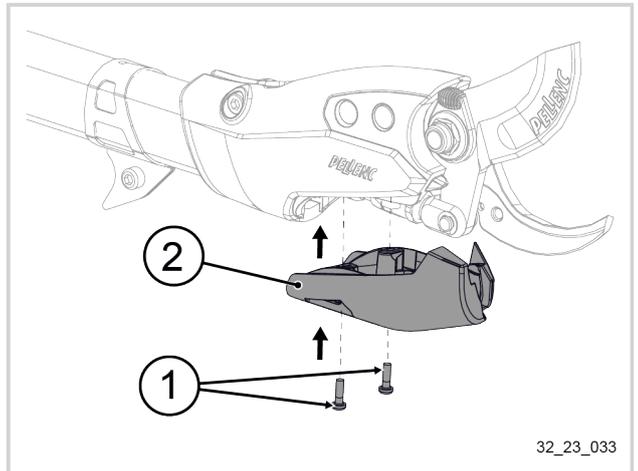


6.4.2.2. FIT THE BLADE AND PINS OF THE TOOL WITH A P150 OR P200 POLE

Note

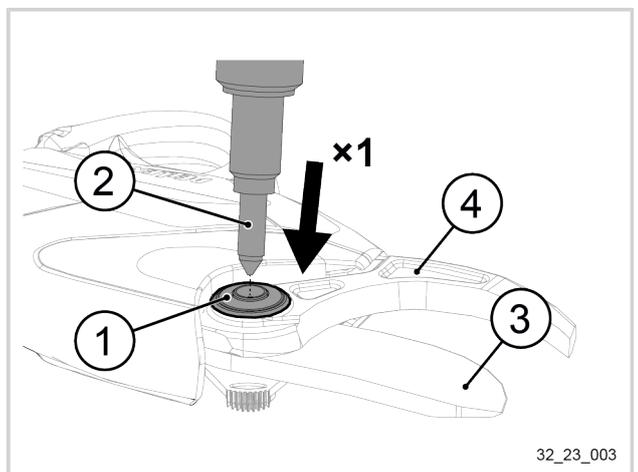
To remove the blade, the pins and change the worn parts of the tool equipped with a P150 or P200 pole, see 6.4.2.1. Remove the blade and pins from the tool equipped with a P150 or P200 pole, page 40.

1. Repeat points 1 to 14 of the procedure for fitting the blade and pins of the tool alone.
See 6.4.1.2. Fit the blade and pins of the tool alone, page 39.
2. Put the cutting head cover (2) on the tool.
3. Tighten the two screws (1) using a Torx T10 screwdriver to secure the position of the cutting head cover (2).



6.5. GREASING THE BLADE

1. Bring the supplied grease gun (2) into contact with the tool's blade pin (1) by pressing once until the grease appears between the blade (3) and the hook (4).
2. Remove the grease gun (2).



6.6. CLEANING THE TOOL

Avoid the formation of abrasive paste (oil + soil) as much as possible by frequent cleaning. To do so:

- Clean the front of the tool with a cloth and compressed air, avoid solvents such as: trichloroethylene, white spirit, petrol, etc.
- Grease the blade and blade pins lightly but often with the grease gun supplied, see 6.5. Greasing the blade, page 41.

7. INCIDENTS AND TROUBLESHOOTING

7.1. TABLE OF INCIDENTS AND BREAKDOWNS



Caution

Never attempt to open or repair the battery pack or the charger

Problem	Probable cause	Check	Possible action
The tool does not start	Battery off	Check that the battery is switched on.	Switch on the battery.
	Battery discharged	Check that the battery is not completely discharged.	Recharge the battery.
	Problem related to the activation/deactivation of the Activ' Security and the presence or not of gloves PELLENC.	Check the Activ' Security activation and/or the Activ' Security power-up procedure.	See 6.3.2. Checking the operation of the Activ' Security and the conductivity of the gloves, page 33.
	Poor connection between tool and battery	Check that the tool is connected to the battery.	See 4.7. Connecting the tool to the ULIB 150P and 250 batteries, page 17.
	The power cord is cut or faulty	Check the condition of the power cord.	Change the power cord. Authorised distributor PELLENC.
The tool makes an unusual noise	Internal breakage	Authorised distributor PELLENC	Authorised distributor PELLENC.
The tool stops during use	The machine has reached its temperature limit	Abnormally high tool temperature.	Check that the tool is being used under the recommended conditions. See 2. Safety, page 7.
	Internal breakage	Authorised distributor PELLENC	Authorised distributor PELLENC.
	Stop and restart the battery, if the tool still does not start, see the "tool does not start" section of this table.		
Loss of efficiency and/or cutting quality of the tool	Ineffectiveness of the blade	Check the sharpness of the blade, the tightness of the blade, the greasing of the blade and the crossing of the blade and hook.	See 6. Maintenance, page 31.
	The cutting diameter does not correspond to the maximum capacity of the pruning shears		Cut only branches that are suitable for your tool.
	Battery partly discharged	Check that the battery is sufficiently charged.	Recharge the battery.
Power loss + Battery LED flashing	Repetition of 3 XL cuts, the battery limits the power for 30 seconds.		Do not perform an XL cut for 30 seconds.
The battery displays an error code	See the operating instructions for the battery.		
The blade no longer opens in half-open position	Mode problem	Check that you are in a half-open mode	See 5.6.1.1. Presentation of usage modes, page 26.

Problem	Probable cause	Check	Possible action
	Optical sensor problem	Check the optical sensor window	See 5.4.2. Optical sensor and half-opening, page 24.
		Check the sensitivity setting of the optical sensor	
	Trigger problem	Check the trigger	See 6.3.3. Checking the operating trigger, page 34.

If the tool does not work, return the set in its original packaging to an authorised repairer PELLENC.

7.2. ACTIV' SECURITY LED CODES SUMMARY

Normal Codes	
Start-up	
Flashing red	• Waiting for initialization
Red and (light) blue fixed	• Activ' Security initialized: user detected on one of the pads and on the hook
Slow flashing red	• Activ'Security deactivated
Use	
Steady blue	• No fault detected: user detected between one of the pads and the trigger
Flashing blue	• No fault and low Activ' Security threshold: user detected between pad and trigger
Slow flashing red and alarm sound	• Activ'Security deactivated

Degraded Mode codes	
Use	
Rapid flashing red	• Poor connection between the hook and the trigger board
1 short beep every 3 seconds	• Guard open

Fault codes	
Start-up	
Flashing red and blue	• Waiting for initialisation and user detected on one of the pads
Use	
Steady red	• User not detected on one of the pads or on the trigger
Steady red and (light) blue	• Fault detected: user in contact with the hook and/or not detected on one of the pads
Steady red and flashing (light) blue	• Fault detected with Activ' Security threshold low: user in contact with the hook and/or not detected on one of the pads

7.3. SUMMARY OF BATTERY LED CODES ON C45 PRUNING SHEARS

Fault codes	
Use	
Flashing with loss of tool power	• Wait 30 seconds without cutting large branches.

8. STORAGE AND TRANSPORT

8.1. STORAGE

Note

It is possible to have the pruning shears serviced by an authorised repairer out of season. For more information, consult an authorised distributor or contact PELENC.

8.1.1. TOOL STORAGE

1. Switch off the tool.
See the operating instructions for the battery.
2. Disconnect the pruning shears from the battery.
See 4.8. Disconnecting the tool from the ULIB 150P and 250 batteries, page 18.
3. Clean the pruning shears.
See 6.6. Cleaning the tool, page 41.
4. Store the pruning shears in their carrying case away from heat, dust and moisture.
5. Storing the battery.
See the operating instructions for the battery.

Note

It is possible to have the pruning shears serviced by an authorised repairer out of season. For more information, consult an authorised distributor or contact PELENC.

8.1.2. STORAGE OF THE TOOL WITH A P150 OR P200 POLE

1. Switch off the tool.
See the operating instructions for the battery.
2. Disconnect the pruning shears from the battery.
See 4.8. Disconnecting the tool from the ULIB 150P and 250 batteries, page 18.
3. Remove the pole from the tool.
See the mounting instructions for the pole.
4. Clean the pruning shears.
See 6.6. Cleaning the tool, page 41.
5. Store the pruning shears in their carrying case away from heat, dust and moisture.
6. Store the pole cutting head in its protective cover away from heat, dust and moisture.
This equipment must be stored at temperatures of between -10° and +50°C.
7. Storing the battery.
See the operating instructions for the battery.

Note

It is possible to have the pruning shears serviced by an authorised repairer out of season. For more information, consult an authorised distributor or contact PELENC.

9. ACCESSORIES AND CONSUMABLES

9.1. INCLUDED ACCESSORIES

For a list of accessories included with the tool, see 4.1. Contents of the C45 + ULIB 150P battery case, page 16, 4.2. Contents of the C45 + ULIB 250 battery case, page 16 and 4.3. Box contents of the P150 or P200 pole, page 17.

9.2. OPTIONAL ACCESSORIES

Name	Reference
C45 - P150 pole	57288
C45 - P200 pole	57289
Protective cover	167914
Insulating cover	173679
Vinion Prunion 150 3m Power Cord NOTE: Only for 150 batteries	147072
Vinion Prunion 4m Power Cord 250 Battery NOTE: Only for 250 batteries	147073
Activ' Security Comfort Glove	164452
Activ' Security Vegetation Glove	164453

9.3. CONSUMABLES

Name	Reference
C45 blade kit	165510
C45 maintenance kit	165508
Sharpening stone	02322
Tube of grease	170755

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 between the parties or be suitable for any special use sought by the buyer, brought to the attention of the seller and accepted by the latter.

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 WARRANTY PELLENC

10.1.2.1. CONTENTS

10.1.2.1.1. GENERAL INFORMATION

In addition to the legal guarantees, user customers benefit from the commercial guarantee on the products PELLENC covering the exchange and replacement of parts recognized as out of use, by default of machining, by defect of assembly or by defect of material, 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 spare parts PELLENC, excluding labour excluding certain spare parts of each product delivered on delivery.

10.1.2.2. DURATION OF WARRANTY

10.1.2.2.1. GENERAL INFORMATION

Products PELLENC connected to a battery are covered by the commercial warranty from the date of delivery to the user customer for a period of two (2) years PELLENC, and for a period of one (1) year in respect of other products PELLENC.

10.1.2.2.2. SPARE PARTS

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

In the case of products connected to a battery PELLENC 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

Products that have been subject to abnormal use, or that 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 are excluded from the commercial warranty.

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 customer user.

Wear parts and/or consumables are not covered by the warranty.

10.1.2.3. IMPLEMENTATION OF THE COMMERCIAL WARRANTY

10.1.2.3.1. PRODUCT COMMISSIONING AND COMMISSIONING DECLARATION

No later than eight days after delivery of the goods to the customer-user, DISTRIBUTOR undertakes to complete the computerised declaration of the commissioning form in order to activate the latter on the website www.pellenc.com, under the heading "Extranet Access" in the "Pellenc Extranet Service" menu, using the identifier previously issued by PELLENC.

Otherwise, the declaration of commissioning will not be effective thus preventing any implementation of the commercial guarantee PELLENC, the DISTRIBUTOR must therefore ensure the financial burden alone without being able to pass on the cost of its intervention under the guarantee to the user customer.

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

The commercial warranty also covers original spare parts PELLENC, excluding labour and outside the legal or commercial warranty period.

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

10.2. SPECIFIC WARRANTIES

PELLENC guarantees its motor for a period of 2 years from the date of delivery.

PELLENC guarantees its battery for a period of 2 years from the date of delivery provided that:

- the number of charging cycles does not exceed 100 per year;
- the battery charge capacity did not exceed 50 kWh since commissioning;
- the battery is used at temperatures between -5° C and +35° C;
- The battery is charged at temperatures between +10° C and +25° C;
- The battery has not gone into deep discharge;
- Average consumption does not exceed 450 mA.



Warning

Never open the pruning shears or battery pack, as this may void the warranty. Contact your authorised repair person.

11. COMPLIANCE STATEMENTS

11.1. EU DECLARATION OF CONFORMITY: C45 

MANUFACTURER / PERSON AUTHORISED TO COMPILE THE TECHNICAL FILE	PELENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)

GENERIC DENOMINATION	ELECTRIC PRUNING SHEARS		
FUNCTION	INTENDED FOR PRUNING		
MODEL	C45	C45-P150	C45-P200
TYPE	C45		
SERIAL NUMBER	32X00001 - 32X49999	32Y00001 - 32Y49999	32Z00001 - 32Z49999
COMMERCIAL NAME	C45		

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- Directive 2006/42/EC
- EN 62841-1: 2015
- Directive 2014/30/EU
- EN IEC 55014-1: 2021
- EN IEC 55014-2: 2021
- Directive 2011/65/EU
- Directive 2012/19/EU
- REGULATION (EC) No 1907/2006

Signed for and on behalf of:

Simon BARBEAU
CEO



PERTUIS, 23/08/2023

PELENC

   www.pellenc.com

PELENC
Quartier Notre Dame - 84120 Pertuis (France)

