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Translation of the
original user guide

USER GUIDE

FIXION ATTACHER



CONTENTS OF THE CASE:

- Tying tool FIXION
 - One complete belt*
 - One charger*
 - One routine maintenance tool
 - One roll of tie material
 - The user's guide with the GUARANTEE
 - One pair of shoulder straps
- * Self-contained model only

READ THE USER'S GUIDE CAREFULLY BEFORE USE



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INTRODUCTION

Dear Customer,

Thank you for buying the Pellenc **FIXION tyer**. Correctly used and maintained, this tool will give a satisfactory performance for years to come.



ENVIRONMENTAL PROTECTION

Your equipment comprises numerous materials which can be valorised or recycled. Entrust these to your reseller or to an approved service centre so that they can be processed.



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



SAFETY INSTRUCTIONS




You must read THE WHOLE of this user guide before using the tool or before carrying out servicing operations.
Comply scrupulously with the instructions and illustrations given in this document.

All through this user guide you will find advisory notes and information entitled: **REMARK, CAUTION / WARNING**.

A **REMARK** provides additional information, clarifies a point or explains a step to be followed in detail.

The **CAUTION** and **WARNING** advisories are used to define a procedure which, if neglected or incorrectly performed, may lead to serious damage to the equipment and/or personal injury.

This advisory:  indicates that if the procedures or instructions are not complied with, any damage will not be covered by the warranty and the owner will be responsible for the 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 the «SAFETY INDICATIONS» heading in order to identify the location of the safety indications on the tool.

No part of this manual may be reproduced without the written consent of PELLENC. The technical characteristics and the illustrations given in this manual are for information purposes and are in no way contractual. PELLENC reserves the right to make any modification or improvement to its products as deemed necessary without informing customers already in possession of a similar model. This manual forms an integral part of the tool and must accompany the tool if it changes hands.

SAFETY INSTRUCTIONS

GENERAL SAFETY INSTRUCTIONS FOR THE TOOL



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

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

- The Pellenc FIXION tyer is a professional item of equipment, and must only be used with Pellenc batteries.
- The PELLENC company accepts no responsibility for any damage caused by improper or unspecified use different from its original intention.
- The PELLENC company accepts no responsibility for any damage caused by the use of non-original parts or accessories.

WORK AREA SAFETY

- 1– Keep the work area clean and well lit.
- 2– Do not use electric tools in an explosive atmosphere, for example in the presence of flammable liquids, gases or dust.
- 3– Keep children and persons present away when using the tool.

ELECTRICAL SAFETY

- 1– Do not expose tools to rain or damp conditions.
- 2– Do not misuse the power lead. Never use the power lead to carry, pull or disconnect the tool. Keep the power lead away from heat, lubricant, sharp edges and moving parts.
- 3– Never modify the connector in any way whatsoever.

SAFETY OF PERSONS

- 1– Remain vigilant, watch what you are doing and use common sense when using the tool. Do not use a tool if you are tired, or under the influence of drugs, alcohol or medication.
- 2– When the pruning shears are not in use, systematically turn the battery off «0».
- 3– Avoid untimely starting of the tool. Make sure that the switch is in the off position before connecting the tool to the mains and/or battery pack, before picking it up or carrying it.
- 4– Remove any adjustment key before starting the tool.
- 5– Do not rush. Adopt a suitable position and remain balanced at all times.
- 6– Dress suitably. Do not wear loose clothing or jewelry that can get stuck in the moving parts of the tool. Keep hair, clothing and gloves away from moving parts.
- 7– Always use a suitable lifting device complying with the working regulations in force for overhead works.
- 8– Never use the tool if it is damaged, incorrectly set or incompletely assembled.

SAFETY INSTRUCTIONS

USING AND SERVICING THE TOOL.

- 1– Do not force the tool. Use a tool suited to the job.
- 2– Do not use the tool if the switch does not allow it to be switched on and off.
- 3– Disconnect the battery connector from the tool before any adjustment, accessory change or putting the tool away.
- 4– When not in use, keep tools out of reach of children, and do not allow persons to use the tool if they do not know how to use it and if they are not aware of these instructions.
- 5– Comply with the tool servicing instructions. Check that the moving parts are not misaligned or jammed, that there are no broken parts or that there is no other condition which could affect the operation of the tool. If there is damage, have the tool repaired before using it.
- 6– Use the tool, accessories, etc. in compliance with these instructions, taking into account the working conditions and the work to be performed.
- 7– Never carry the tool suspended from the power cord.
- 8– Do not store the tool in a damp location.

MAINTENANCE AND SERVICING

- 1– Keep the original packaging in the possible event of shipping the tool for overhaul or repair.
- 2– Have the tool serviced by an approved PELLENC dealer, using only identical spare parts.

SAFETY INSTRUCTIONS

SAFETY MEASURES FOR THE CHARGER

- 1**– When the charger is operating, its temperature can reach 60 °C (140 °F). There must be no flammable material less than 1.5 meters (5 in) from the charger or the battery.
- 2**– Keep the charger and the battery out of reach of children and on an inflammable surface.
- 3**– Do not prevent it from cooling.
- 4**– The charger delivered with the battery is intended exclusively for recharging the battery. Do not charge non-rechargeable batteries.
- 5**– The area in which the battery is charged must be equipped with a fire extinguisher for electrical fires, in working condition.
- 6**– If the output lead is cut or damaged, the complete charger must be returned to the authorized distributor from where the tool was purchased.
- 7**– 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.
- 8**– Do not use it for any other purposes.
- 9**– This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or preliminary instructions by a person responsible for their safety.
- 10**– Children should be supervised to ensure that they do not play with the charger.
- 11**– Check that the cable cannot be fold and does not contact hot surfaces or sharp edges.
- 12**– Provide for proper ventilation during charging.
- 13**– Do not cover the charger.
- 14**– This charger must not be used outdoors.
- 15**– Caution: do not expose the power supply connector to water.
- 16**– Never charge a damaged battery.
- 17**– Connection to the mains shall comply with the national electrical regulations (EN60204-1).
- 18**– Check the charger wiring prior to any use. Never use the charger if the wiring is damaged.
- 19**– During battery charging, place the charger on a non-flammable support, at more than 1.5 m (5 in) from any flammable object.

SAFETY MEASURES FOR THE BATTERY

- 1**– 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.
- 2**– Keep the charger and the battery out of reach of children and on an inflammable surface.
- 3**– Do not prevent it from cooling.
- 4**– Do not use or leave the battery near a heat source (> 60 °C / >140 °F)).
- 5**– Do not leave the battery in strong sunlight.
- 6**– Do not expose the battery to microwaves or high pressures.
- 7**– Do not immerse the battery in water.
- 8**– The battery must be charged in a dry ventilated room at a temperature of between 10 °C and 25 °C (50 °F and 77 °F) maximum, away from humidity.
- 9**– The area in which the battery is charged must be equipped with a fire extinguisher for electrical fires, in working condition.
- 10**– The use of a battery different to that supplied by Pellenc s.a. is dangerous (risk of serious personal injury). In this case, Pellenc s.a. declines all responsibility.
- 11**– The battery must be protected from shocks and must be positioned and wedged during transport phases.

SAFETY INSTRUCTIONS

12– In case of suspicious smoke, take the battery outside of the charging room or remove it from the transport vehicle, and place it as far as possible from any combustible matter.

13– Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

14– Only use Pellenc electric tools with battery units designed for such use. Use of any other battery packs may create a risk of injury and fire.

15– 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.

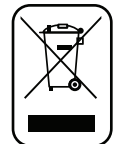
16– Do not use the battery for any other application than the one it was designed for (exclusive use for Pellenc tools).

17– At the end of its life, the battery must be returned to the authorized distributor from where it was purchased in order to be recycled in accordance with waste disposal regulations.

BATTERY SAFETY INDICATIONS

ENVIRONMENTAL PROTECTION

Your equipment comprises numerous materials which can be valorised or recycled. Entrust these to your reseller or to an approved service centre so that they can be processed.



Do not expose to rain.



Read the user guide.



Battery in compliance with EC standards.

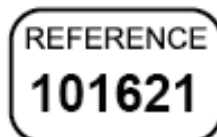
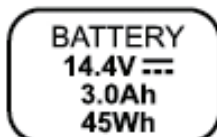


Equipment use at a temperature between -5 °C and +35 °C (-41 °F and +95 °F).



The use of a charger different from the one delivered with the equipment is prohibited.

Il est interdit d'utiliser un autre chargeur que celui livré par PELLENC SA



A utiliser uniquement avec le chargeur de batterie PELLENC modèle NI 174-360, NI 174-360-US, NI 174-360-J, NI 174-360-AU

Usar sólo con el cargador de batería PELLENC del modelo NI 174-360, NI 174-360-US, NI 174-360-J, NI 174-360-AU

For use only with PELLENC's battery charger model NI 174-360, NI 174-360-US, NI 174-360-J, NI 174-360-AU

Nur zur Verwendung mit dem Ladegerät Modell PELLENC NI 174-360, NI 174-360-US, NI 174-360-J, NI 174-360-AU

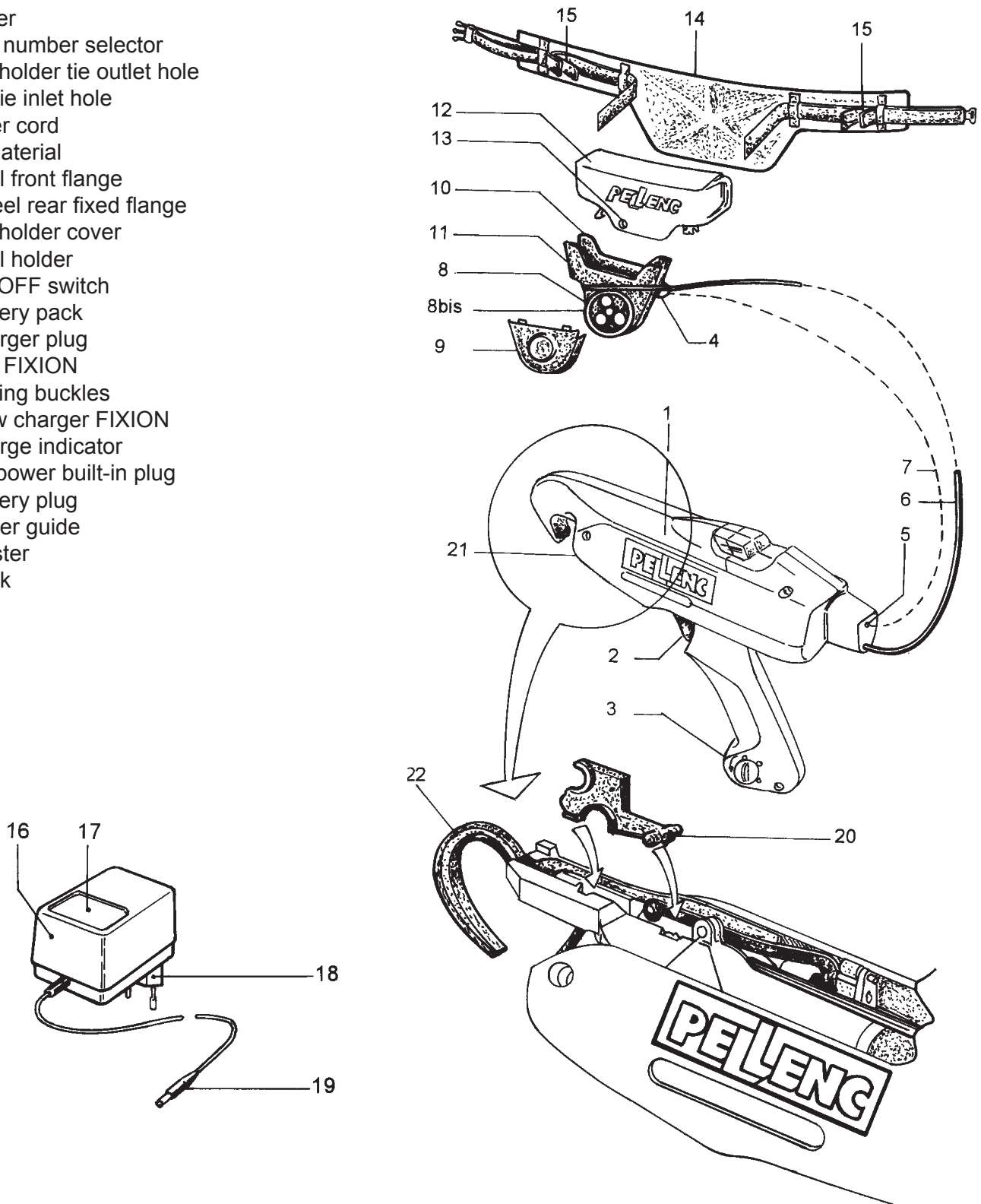
Só usar com o carregador de bateria PELLENC modelo NI 174-360, NI 174-360-US, NI 174-360-J, NI 174-360-AU

Per l'utilizzo solo con il caricabatteria modello PELLENC NI 174-360, NI 174-360-US, NI 174-360-J, NI 174-360-AU

DESCRIPTION AND TECHNICAL CHARACTERISTICS

DESCRIPTION

1. Removable nose
2. Trigger
3. Twist number selector
4. Reel holder tie outlet hole
5. Tool tie inlet hole
6. Power cord
7. Tie material
- 8a. Reel front flange
- 8bis. Reel rear fixed flange
9. Reel holder cover
10. Reel holder
11. ON/OFF switch
12. Battery pack
13. Charger plug
14. Belt FIXION
15. Setting buckles
16. Slow charger FIXION
17. Charge indicator
18. AC power built-in plug
19. Battery plug
20. Upper guide
21. Twister
22. Hook



DESCRIPTION AND TECHNICAL CHARACTERISTICS

DESCRIPTION AND TECHNICAL CHARACTERISTICS

Max. tying capacity	25 mm (1 in)
Tying tool power voltage*	14,4 V
Charger power voltage	refer to charger operating instructions
Charger average power	5 W
NiMH battery capacity	3,0 Ah
Charging time	12 hours
Tying capacity (without charge)*	9,000 to 12,000 ties
Tie material total length	200 m/reel approx. (656 ft)
Corresponding number of ties	1,550 ties approx.
Tying tool weight	900 g (2 lbs)
Weight of carried tool (belt unit)*	2 kg (4,4 lbs)

*(with specified battery)

Total vibration values (triax vector sum) determined in accordance with EN 60745-1. (Uncertainty K=1.5 m/s ²)	$a_n < 2.5 \text{ m/s}^2 \text{ max.}$
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Noise value measured according to the standard EN 60745-1	
Sound power level measured (Uncertainty K=3 dB)	$L_{WA} = 81 \text{ dB maximum}$
Level of acoustic pressure at the work station measured (Uncertainty K=3 dB)	$L_{pA} = 70 \text{ dB maximum}$

BEFORE FIRST USE

- Take the belt unit and tying tool out of the case.
- Rotate reel holder 10, placed under battery pack 12, so that the tie outlet is located on the right or left-hand side, depending on whether you are right or left handed.
- Set the belt length using the two buckles 15.

ADAPTATION FOR BATTERY P2000

From September 1996 (serial no. 2900001/U), there is no special procedure required for use of the FIXION with the P2000 battery.

- Check that switch 11 is definitely in the "0" position.
- Install the P2000 battery, instead of the special battery 12.
- Your tool is ready for use.

PUTTING THE TOOL INTO SERVICE

OPERATION

- Place the belt unit at your back, around your waist.
- Take hold of the tyer in your hand, passing the power cable 6 between your arm and your body and the tie 7 outside your arm.
- With the other hand, set switch 11 from the "0" position to the "I" position (red side shows).
- Line up the front opening of the tool with the part to be attached and press on trigger 2. The cycle is performed automatically. Lift the FIXION rotating it slightly to the side.
- Intermittent audio warning if AP25 is not used for 40 seconds. Stop warning by switching off power.
- To stop your tyer, set switch 11 to the "0" stop position (red side hidden).

REMARKS

- A few hours are usually necessary to get used to using the tool.
- Feeding of tie materials is not automatic. You need to straighten your arm every 3 to 5 ties to feed the material.
- The tie material must always run free at the tool inlet. To prevent any malfunction, never bend the tie material at inlet hole 5.

SETTING TIE TENSION

You can set the tie tension, according to the type of wood you want to tie, using selector 3 (Each of the 4 positions corresponds to a factory-set number of twists).

- Push selector 3.
- While holding the selector down, set the arrow to the required position.
- Release the selector.
- A corresponding audio warning for each position:

Position	Number of beeps
-	1
•	2
•	3
+	4

PUTTING THE TOOL INTO SERVICE

END OF REEL

Before starting to work, check the remaining amount of material through the openings located on each side of reel holder 10.

- Stop tying when the end of the material is visible (no material left on the reel holder), and there are approximately 10 cm (4 in) of material left at the rear of the tool.
- Release removable nose 1 and remove it by sliding it forwards.
- Remove upper guide 20.
- Perform a few cycles by pressing on trigger 2 until all the material has emerged from the top of the tool.

USING THE TOOL WITHOUT MATERIAL COULD DAMAGE IT.

- Pull out the piece of tie left inside twister 21.
- Reinstall upper guide 20 and removable nose 1.

REEL HOLDER RELOADING

- Release cover 9 from reel holder 10 and remove the cover.
- Hold reel rear flange 8b, rotate front flange 8a clockwise and remove it.
- Install a new roll of tie material by routing the material end through outlet hole 4 and by matching the fourings with the four flats located on the reel rear flange 8b.
- Reinstall front flange 8a and remove the four rings.
- Reinstall cover 9 on reel-holder 10.
- Unwind the material over the required length, taking care not to twist it around the power cord 6.

PUTTING THE TOOL INTO SERVICE

INSERTION OF THE MATERIAL INSIDE THE TOOL

- Press and hold trigger 2 down. Hook 22 closes.
- Insert the material through hole 5, while holding trigger 2 down with your finger, and push on the material until it stops.
- Release the trigger, the hook opens and pulls the material. If the material is not pulled by the hook, repeat the previous operations.
- Check that no piece of material remains inside the twister by making a test tie and remove the material.

IN CASE OF TROUBLE

In order to prevent any risk of the tie being jammed in the tyer, we recommend that you check that there are no pieces of tie stuck in the front part of the tyer, any time that you miss a tie.

In the event of jamming, the tyer locks and stops.

In this case:

- Set switch 11 to the "0" off position.
- Cut the tie at the entry aperture 5.
- Unclip the detachable spout 1 and take it off, sliding it forwards.
- Take off upper guid 20.
- Set switch 11 to the "1" on position.
- Perform several cycles, pressing on trigger 2, until the whole tie comes out of the top of the device.
- Check that there are no small pieces of tie remaining jammed in the tyer in the interior, or in the front part.
- Replace the upper guide 20, and the detachable spout 1.
- Reintroduce the tie into the tyer, as described above.

SERVICING

BATTERY CHARGE

The tool stops operating when the battery is flat.

- Install the charger in a room at a temperature between 15 °C and 25 °C (59 °F and 77 °F) and protected from humidity.
- Check that ON/OFF switch 11 is set to OFF position "0".
- Connect the charger cord plug 19 to the corresponding receptacle 13 of the battery pack.
- Check that the local power ratings match the charger power specifications and connect the charger built-in plus 18 to an AC wall outlet.
- When the charger red indicator light comes on, the battery is being charged.
- Charge the battery for 10 to 12 hours. At the end of charging, the charger light either blinks or turns off. Unplug first the built-in plug 18 and then plug 19.

CHARGER

The charger does not require any maintenance. It must be stored in a well ventilated area, away from heat, dust and humidity. If the red indicator light does not come ON:

- Unplug the charger built-in plug 18.
- Check the mains.
- Plug again. If the charger does not operate still, contact your authorized dealer.

NEVER ATTEMPT TO OPEN ANY COMPONENTS EXCEPT FOR THOSE DESCRIBED IN THIS INSTRUCTION MANUAL

(you may damage them, and in particular, you will lose the benefit of the warranty).

REMARKS

- The reel holder should not be unplugged from the battery pack during the battery charge.
- It is prohibited to use a charger other than the charger supplied. The non-observance of this instruction would damage the battery and increase the risks of accidents and personal injuries.
- The use of the charger for a purpose other than that specified by Pellenc S.A. shall not engage Pellenc S.A. responsibility.
- The NiMH battery requires 4 to 5 full charge and use cycles before reaching its full capacity.

SERVICING

BATTERY PACK

If the tying tool does not operate :

- Check that the tool is not jammed.
- Check the battery charge condition.
- Set the ON/OFF switch 11 to the position "I".
- If the charger still does not operate, bring the tool in its original packing to your authorized dealer.

NEVER ATTEMPT TO OPEN THE TOOL OR ITS ACCESSORIES

(you may damage them, and in particular, you will lose the benefit of the warranty).

ROUTINE MAINTENANCE

To maintain the tying tool in perfect operating conditions, clean it periodically:

- Maintain the material passage way clean using compressed air to clean the front and inside sections of the tool. Avoid using solvents such as trichloroethylene, white spirit, gasoline, etc.
- Put a small amount of oil on all link rods accessible on the upper section of the tool.

DO NOT OIL THE MATERIAL PASSAGE WAY, THIS COULD RESULT IN A MALFUNCTION OF THE TOOL.

- Do not leave the tool on the ground and do not expose it to rain.
- Every 200,000 ties, or once a year at least, bring the tool in its original packing to your authorized dealer for servicing in order to extend its service life.

OFF-SEASON

- Store the tool, the battery pack and the charger in the original case away from heat, dust and humidity. Also check that the ON/OFF switch 11 is set to OFF "0".
- To conserve the service life of the battery and to prevent its deterioration, it is essential to store it in the charged state and to recharge it every 2 months when it is not used.
- For more information, contact your authorized dealer or us directly.

NEVER ATTEMPT TO OPEN THE TOOL, THE REEL HOLDER OR THE BATTERY PACK. SUCH ATTEMPT WOULD MAKE THE GUARANTEE VOID.

ALWAYS CONTACT YOUR AUTHORIZED DEALER.

«PELLENC SA» TERMS OF WARRANTY AND NON-RESPONSIBILITY CLAUSE MACHINE RANGE FOR OEP

In the event of failure of a mechanical part and subject to normal, rational use and maintenance in compliance with the maintenance manual, **PELLENC sa guarantees its products for a period of ONE YEAR** as of delivery; this time shall not exceed a period of 18 months following departure from the factory of the equipment under warranty : on one hand in accordance with the conditions stipulated in the warranties of PELLENC sa and on the other hand subject to the delivery report indicating the commissioning date was made known to PELLENC sa.

In the event of an accident and total or partial destruction of the product, PELLENC sa's warranty can only be granted, and their responsibility engaged, if the party claiming the warranty can provide technical proof specifying the origin of the accident, a defect in materials or a structural defect and the product components which are the cause of it.

This contractual warranty excludes any other responsibility of PELLENC sa, whether implicit or explicit. For this reason, the responsibility of PELLENC sa can not exceed the limits defined above and covers, to a limited extent, repair **or** replacement, as chosen by PELLENC sa, of parts recognized to be defective and, when applicable, the labour required to perform the repair or replacement on the basis of warranty time as defined by PELLENC sa.

Any maintenance or repair work whatsoever carried out during the warranty period shall mandatorily be performed by PELLENC sa or by a PELLENC sa authorized dealer, under penalty of forfeiture of the warranty.

All costs arising from the immobilization, movement, approach and transport shall be, in all events, for the sole account of the purchaser.

As concerns parts or equipment that are not manufactured by PELLENC sa, in particular ball screw, battery, etc., the warranty is limited to that of the suppliers to PELLENC sa. Normal wear parts worn out as the result of use are never under warranty.

PELLENC sa and the authorized dealer shall not be liable in the following cases:

- Malfunctions due to faulty servicing, user inexperience or abnormal use.
- Failure to perform overhauls and checks in accordance with manufacturer's instructions.
- Replacement of genuine parts or accessories with parts of accessories of another origin, or when the machine sold has been transformed or modified.

This warranty is explicitly limited to the terms defined above. **PELLENC sa shall not be liable, under any circumstances, for payment of any indemnity for any reason whatsoever.**

However, it is specified, in compliance with the provisions of decree No. 78.464 dated March 24th 1978, that this contractual guarantee does not replace the legal guarantee which obliges the seller to guarantee the buyer against the consequences of defects or hidden defects of the object sold.

“CE” STATEMENT OF CONFORMITY

MACHINES DIRECTIVE 2006/42/CE.

(ONLY CONCERNS EUROPE)

MANUFACTURER	PELLENC S.A.
ADDRESS	QUARTIER NOTRE-DAME ROUTE DE CAVAILLON - B.P. 47 84122 PERTUIS CEDEX (FRANCE)
PERSON/ENTITY AUTHORISED TO COMPILE THE TECHNICAL DOSSIER	PELLENC S.A.
ADDRESS	QUARTIER NOTRE-DAME ROUTE DE CAVAILLON - B.P. 47 84122 PERTUIS CEDEX (FRANCE)

WE HEREBY DECLARE THAT THE EQUIPMENT HEREINAFTER REFERRED TO AS:

GENERIC DENOMINATION	FIXION ATTACHER
FUNCTION	INTENDED FOR ATTACHING VINE SHOOTS
COMMERCIAL NAME	FIXION
TYPE	FIXION
MODEL	FIXION
SERIAL No.	29P00001 - 29P29999 29P30000 - 29P49999

COMPLIES WITH THE PERTINENT PROVISIONS OF THE MACHINES DIRECTIVE (2006/42/CE)

AND COMPLIES WITH THE PROVISIONS OF THE FOLLOWING OTHER EUROPEAN DIRECTIVES:

- ELECTROMAGNETIC COMPATIBILITY (2004/108/CE)
- LIMITATION OF THE USE OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (2011/65/EU)
- RECYCLING AND RECOVERY OF ELECTRICAL AND ELECTRONIC WASTE (2012/19/EU)

THE FOLLOWING HARMONIZED EUROPEAN STANDARDS WERE USED:

- EN 55014-1 : 2006 + A1 : 2009 + A2 : 2011
- EN 55014-2 : 1997 + A1 : 2001 + A2 : 2008
- EN 60335-1 : 2013

THE FOLLOWING OTHER STANDARDS AND TECHNICAL SPECIFICATIONS WERE USED:

- EN 60745-1 : 2009 + A11 : 2010
- NF EN 60335-2-29 : 2004 + A2 : 2010

CONCLUDED AT PERTUIS, DATED 01/07/2015

ROGER PELLENC

CHIEF EXECUTIVE OFFICER

