

**HTV HOOKS
ESTIBADOR 5T
USER'S MANUAL**



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WARNINGS AND PRECAUTIONS

Failure to comply with the safety parameters established by HTV could result in injury to people and damage to materials.

Read this user's manual carefully to prevent risks.

- 1- **DO NOT** use the HTV turner if it is not working correctly.
- 2- **DO NOT** use the HTV turner before first having read and fully understood the instructions for its use and maintenance.
- 3- **DO NOT** use the HTV turner if it has been modified without specific authorisation from HTV.
- 4- **DO NOT** load the HTV turner with more than the stipulated weight.
- 5- Verify the state of the loading slings. Make sure they are not neither worn nor damaged.
- 6- **DO NOT** use the HTV turner to lift loads that it is not authorised or designed to work with.
- 7- Remember that the current regulations specify that people must never stand under a suspended load and that they must always observe the recommended safety distance.
- 8- In the event of a breakdown, contact the official technical service; do not tamper with the device.
- 9- The turner must only be welded by the official technical service and after removing the battery from the turner (it is expressly forbidden to carry out any welding without authorisation from HTV).
- 10- If you try to open the HTV turner while it is carrying a load of less than 1 kg in tension, the safety system will prevent it from opening.
- 11- Remember that any contact with overhead electrical lines could cause irreparable damage (both to the HTV turner and to the lifting device).

WARNINGS AND PRECAUTIONS

Failure to comply with the safety parameters established by HTV could result in injury to people and damage to materials.

Read this user's manual carefully to prevent risks.

12- Follow the maintenance plan in order to ensure the correct functioning and good condition of the visual safety warnings.

13- Always follow the safety rules relating to the lifting of loads, weights, and their calculation with slings and other elements involving loads and the turner.

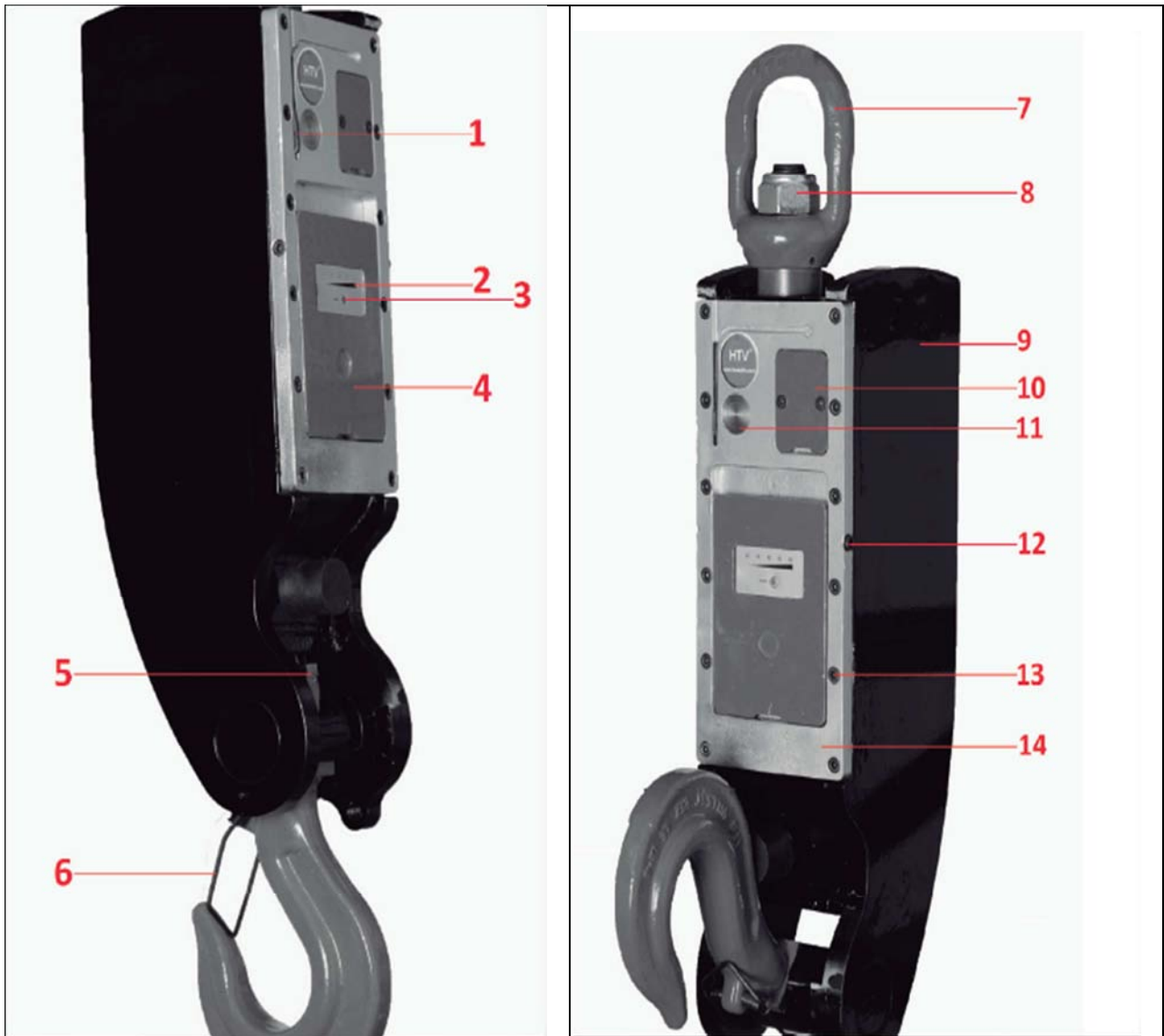
14- Make sure that nobody is handling the turner before activating it.

15- For correct operation of the HTV turner, its working angle must not exceed 60°.

CHAPTER 1

TECHNICAL SPECIFICATIONS

1a LOCATION



1. Aerial	8. Securing nut for the suspension ring
2. Battery charge indicator	9. Chassis
3. Battery charge indicator button	10. Cover for the radio channel selector
4. Battery	11. Manual activation button
5. Hook securing nut	12. Battery securing screw
6. Safety clamp	13. Battery chassis securing screw
7. Suspension ring	14. Battery chassis

CHAPTER 2

CORRECT OPERATION

2a INSTALLATION, ACTIVATION AND RECHARGING OF THE BATTERY

The battery is activated by connecting and disconnecting the battery charger provided by HTV. Once the battery has been activated, it is ready for installation in the HTV turner.

Step 1: insert the battery in the HTV turner.

Step 2: slide the battery down so that it connects to the power connector.

Step 3: tighten the BATTERY SECURING SCREW



CHAPTER 2

CORRECT OPERATION

2a INSTALLATION, ACTIVATION AND RECHARGING OF THE BATTERY

The battery of the HTV turner has a charge indicator.

It is only necessary to press shown in the next image.

The LED indicators located above the button will then show the current charge level.



CHAPTER 2

CORRECT OPERATION

2b REMOTE CONTROL. Changing the battery

To change the battery in the HTV remote control, just remove the lower back cover and replace the battery.



CHAPTER 2

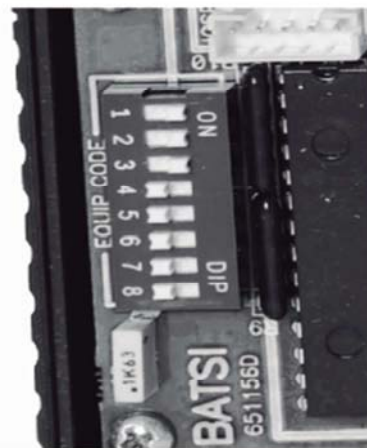
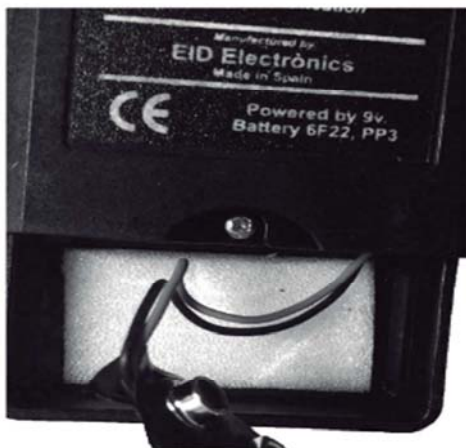
CORRECT OPERATION

2c TUNING THE REMOTE CONTROL TO THE TURNER

Preparation of the HTV remote control

Step 1: unscrew and remove the back cover.

Step 2: enter a combination in the EQUIP CODE selector



Preparation of the HTV turner

Step 1: Unscrew and remove the cover.

Step 2: Install the previously stipulated GROUP.

Step 3: Copy the previously set combination to the remote control.



CHAPTER 2

CORRECT OPERATION

2c TUNING THE REMOTE CONTROL TO THE TURNER

Relation between the GROUP (turner) and the remote control channels:

TURNER	REMOTE CONTROL BUTTONS	
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GROUP 1	Button 1 (on)	2 (off)
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GROUP 2	Button 3 (on)	4 (off)
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GROUP 3	Button 5 (on)	6 (off)
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*Buttons 7 (all on) and 8 (all off) respond to GROUP 1, 2 and 3.

CHAPTER 2

CORRECT OPERATION

2d OPERATION OF THE SAFETY CLAMP

The operation of the safety clamp is as simple as that of a normal hook, though with improvements introduced by HTV. It is equipped with a series of mechanisms which mean that the clamp can be opened and closed by simply activating the HTV turner.

Closure is slower to guarantee that the sling is correctly secured to the turner. Opening, on the other hand, is quicker to ensure that the sling is disengaged without difficulty.



CHAPTER 2

CORRECT OPERATION

2e SAFETY SYSTEM

HTV turners are equipped with a safety mechanism designed by HOOKS TANIA VERDU which complies with current safety legislation and performs the functions outlined below:

Transmits movement from the motor to the load spindle.

Absorbs impacts on the turner mounted on the load spindle, thereby guaranteeing the protection of the turner.

Guarantees that the motor will not suddenly stop or slow down as a result of electrical faults or incorrect signals.

Cancels the order to start work if the turner is loaded and hanging.

Maintains constant motor consumption, thereby guaranteeing the battery a long working life.

Correcting orders to switch on and absorb the strain produced by the movements of the crane cables.

Speeding up and ensuring the uncoupling operation, thereby saving time, facilitating the work anyone whose work depends on the operation, minimising the possibility of errors, and maximising safety.

Guaranteeing that the turner automatically returns to the position of its last order after any possible impacts, thereby ensuring that the safety clamp is always in the correct working position.

Optionally, it is possible to transmit the position of the hook to a computerised system and to check whether this corresponds to its last order.

Optionally, it is possible to use an ultrasound reading system to check and transmit whether the union with connection with the element to be lifted has been correctly secured and to correct it if necessary, thereby eliminating any possible errors.

REVISION SHEET

Date on which the guarantee begins: , , 201_

Date:	Model:	Series number:	Property of:	Revised by: