



BaSt-Ing



ValRemote

EN

Operating manual

Page 10

The remote controllable impact wrench

Content

	Page
1. Technical data	10
2. Product description	11
3. Intended use	12
4. Safety advice	12
5. Guarantee	14
6. Operation	15
7. Maintenance/Examination	16
8. Malfunction and repair	16
9. Proper disposal	17
10. Customer service and application advice	17
11. EC Statement of Conformity	17

1. Technical data

Term	ValRemote
Length (mm)	70
Width (mm)	44
Height (mm)	33
Weight (kg)	0,15
Max. range with free field of view (Nm)	25
Wireless technology	Infrared

The technical data of the impact wrench can be found in the operating instructions for the impact wrench used. The technical data of the felling wedge or the chain winch can be found in the corresponding operating instructions.

2. Product description



(1)	start button	(6)	connection cable – felling wedge
(2)	indicator light	(7)	magnet
(3)	IR transmitter	(8)	reed sensor
(4)	IR receiver	(9)	pipe clamp connection
(5)	connection cable – machine		

3. Intended use

The ValRemote control of impact wrenches is a remote control developed by BaSt-Ing GmbH for forestry. The ValRemote unit is only approved for impact wrenches approved by BaSt-Ing GmbH.

The following impact wrenches are currently approved:

Manufacturer	Type designation
Milwaukee	ONEFHIWF34
Milwaukee	ONEFHIWF12

Notice:

The list of approved impact wrenches is subject to change. If you have any questions, please contact BaSt-Ing GmbH via info@bast-ing.de or +49 (0) 8042/50631-0.

The intended application of the “ValRemote” is timber harvesting. Here he will used to lift trees on the side facing away from the notch and thus fell the tree in the desired direction. It can also be used to release chainsaws that have become stuck in a lying tree trunk.

Furthermore, the ValRemote control can be used in combination with the PullFast from BaSt-Ing.

4. Safety advice

In the event of disregard for safety warnings, serious injuries can result in death!



When working, wear a head protection combination, face protection, gloves, cut protection clothing and all other protective clothing required for chainsaw work dress.



When working with the ValRemote, always observe the current UVV guidelines for chainsaws and forestry work!



Make sure you have a good view of the felling unit, the tree, and the tree felling area while operating the remote control.



Always use plastic or aluminum wedges as safety wedges when working with the ValRemote.



When using the ValRemote, please also note the operating instructions for the used impact wrench type as well as that of the felling wedge.



Activate the impact wrench with the remote control only when you have a good view of the machine.



Before activating the ValRemote, check the correct direction of rotation of the screwdrivers.



Watch the impact wrench and the tree by the felling unit. Stop the felling unit immediately if you notice that the felling wedge is pushed out of the felling cut or the lifting force is insufficient to push the tree in the correct direction.



If the ValRemote is damaged, it must no longer be used.



If the lifting power is not enough to bring the tree down, use them more wedges, stamp lifter.



The maximum lifting capacity of the ValRemote including ValFast is 26 t.



The ValFast does not replace a cable winch or cable pull. Only use this device if this tree could also be chopped down. Pronounced back or side hangers are not allowed felled with the ValFast, since it can be overloaded. Only use this device if you are familiar with it.



Incorrect operation can cause severe damage to health or even death. The ValFast may only be used by competent persons with appropriate training. We generally recommend: Attend a course on the use of felling aids.



Please note that there is a risk of pinching if the wedge is extended and retracted quickly. The ValFast may only be used with an intact safety device!



Protect your battery and impact wrench from moisture, heat, fire and direct sunlight.



Only use the accumulator in the temperature range from -10°C to $+50^{\circ}\text{C}$ unless otherwise specified by the manufacturer.



Store your impact wrench and battery in a closed and dry room in a safe place.



For an optimal service life and low self-discharge, store your battery at temperatures of +10 °C to +20 °C.



If you don't use your battery for a long time, it should be stored at around 30 %. Recharge your battery only shortly before using your device for the first time.



If you have a spare battery, you should not store it unused, but use it alternately with your other battery.



Do not open any battery and do not use a defective or deformed battery. If your battery is defective, it must be replaced.



Observe the maximum allowable exposure to hand-arm vibration.



The safety instructions for the impact wrench can be found in the operating instructions for the used impact wrench.



The safety instructions for the felling wedge or the chain winch are the same refer to the operating instructions.

5. Guarantee

For the ValRemote, we guarantee the functionality and freedom from defects of the material for a period of 12 months from the date of delivery. This does not extend to the consequences of normal wear and tear, overload, improper handling or the installation of third-party spare parts.

A warranty can only be accepted if the device is presented to us for inspection without being dismantled. Damage caused by material or manufacturer defects will be remedied free of charge by means of a replacement delivery or repair.



Tip: Read the operating instructions first before using the system!

Before using the ValRemote for the first time, you should familiarize yourself with the use of the impact wrench and the felling wedge.

The content of this manual is only the use of the ValRemote.

Before starting up the ValRemote, the following steps must be carried out:

- Connect the impact wrench to the felling wedge and fix the pipe clamp connection (9)
- Plugging the connection cable – felling wedge (6) into the connection cable to the machine (5)
- Functional check of the hand transmitter using the indicator light (2)
- In principle, a professional felling technique appropriate to the tree should be used!
- When the tree has been cut and the felling wedge is set correctly, the user must find a suitable location for remote-controlled felling.
- It is important to have a good view of the felling wedge, the tree to be felled and the planned one felling area of the tree.
- **The impact wrench is activated by pressing the start button (1) as follows:**
 - **Short**
 - **Short**
 - **Long (press and hold)**
- As soon as the button is released, the impact wrench stops.
- When the ValFast reaches the end stop, the wireless impact wrench is automatically stopped. If this happens, use additional felling wedges to bring the tree down or secure the tree against tipping back and use the impact wrench to close the ValRemote unit and push it further into the tree.

7. Maintenance/Examination

Please note the maintenance instructions:



The ValRemote unit must be visually inspected for damage before each use.

Before commissioning and after each working day:

- Check the remote control using the indicator light
- Regularly replace the remote control batteries (2x AAA batteries)

8. Malfunction and repair

Check the connecting cables for damage.

9. Proper disposal

Dispose of the ValRemote properly, e.g. in the electronic waste area of your recycling center. Alternatively, you can also dispose of the ValRemote at your specialist dealer or via BaSt-Ing GmbH.

10. Customer service and application advice

Customer service answers your questions about the operation, maintenance, repair and disposal of the product.

Email: info@bast-ing.de

Phone: +49 (0)8042 50631-0

11. EC Statement of Conformity

The manufacturer: **BaSt-Ing GmbH**
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Phone: +49 (0)8042 50631-0

hereby declares that the following product:

Product name: **ValRemote**

Built: **from 07/2022**

complies with all relevant provisions of the **Machinery Directive (2006/42/EC)**.

The following harmonised standards were applied:

EN ISO 12100 Safety of Machines – General Design Guidelines
Risk assessment and risk reduction



Fleck, 01.07.2022