



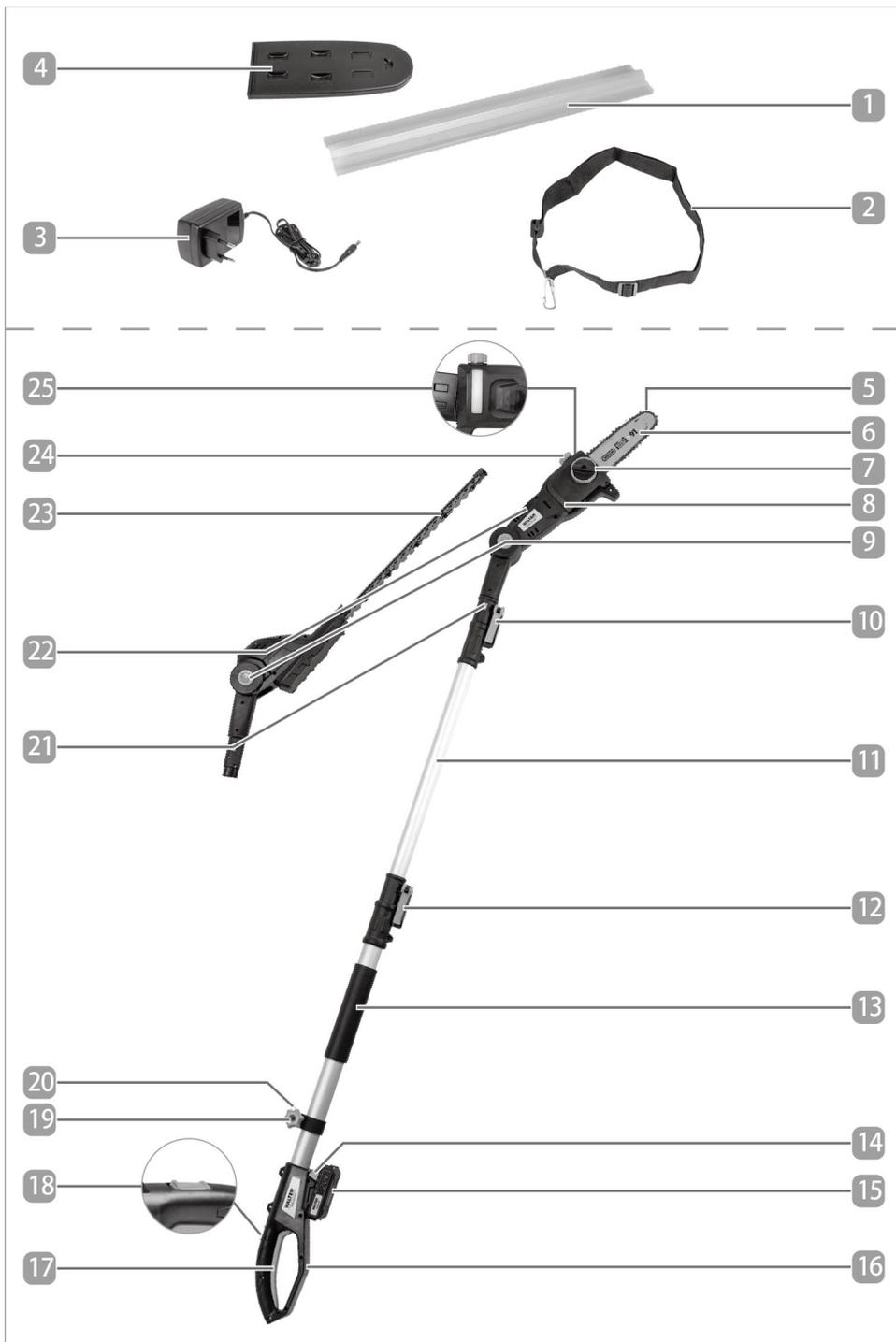
# **Instruction Manual**

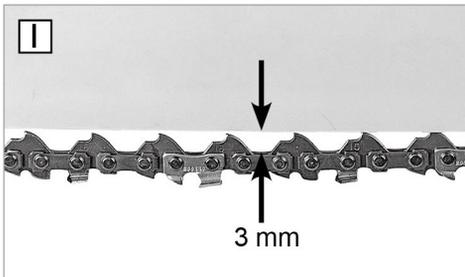
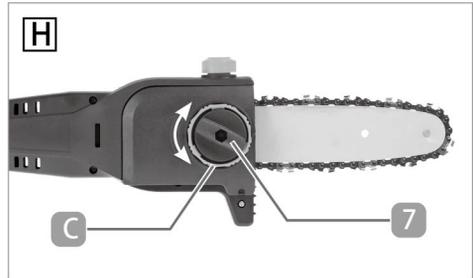
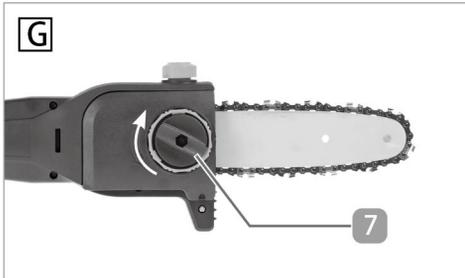
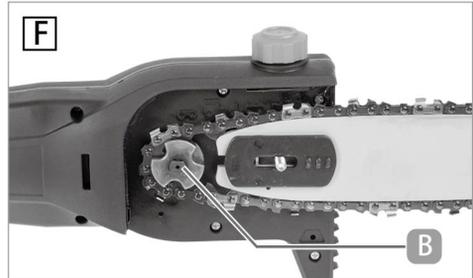
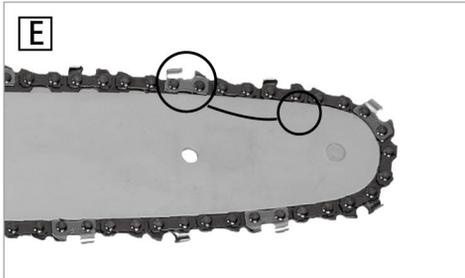
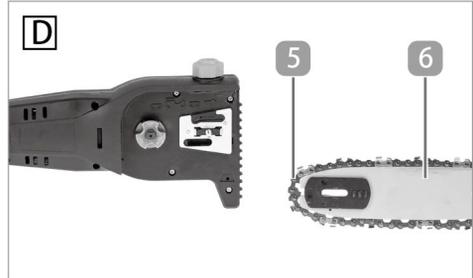
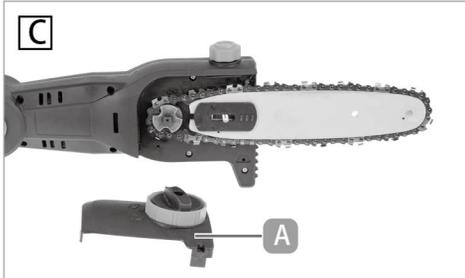
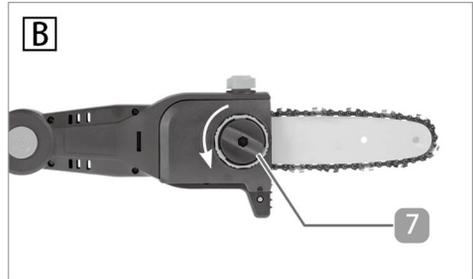
## **2 in 1 CORDLESS Pole chain saw & hedge trimmer**

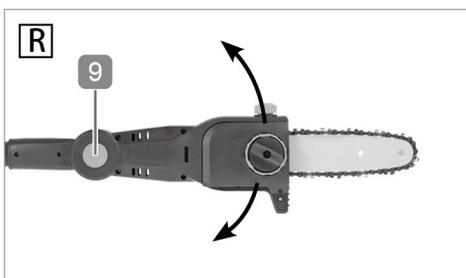
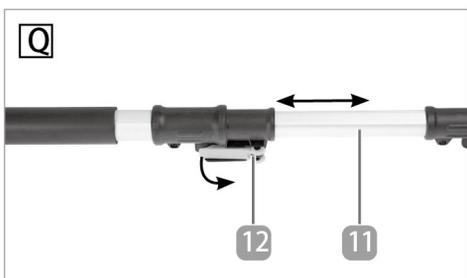
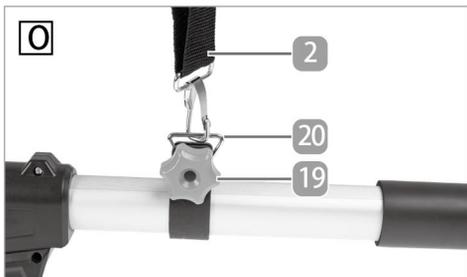
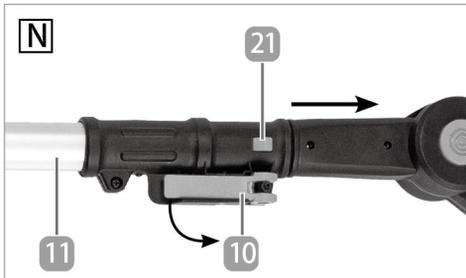
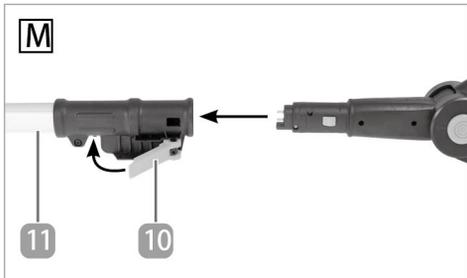
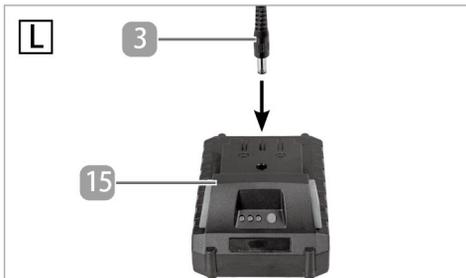
### **PLU-165994**



**Before any use, refer to the corresponding paragraph in the present manual.**







## Scope of delivery / parts list

1. Trimmer blade guard
2. Shoulder strap
3. Charger
4. Blade cover
5. Saw chain
6. Sawblade
7. Screw cap
8. Chain guard cover
9. Locking knob
10. Lower locking lever
11. Telescopic pole
12. Upper locking lever
13. Front handle
14. Battery unlocking latch
15. Battery
16. Rear handle
17. On / Off switch
18. Unlock switch
19. Mounting fixture
20. Carrying lug
21. Latching tab
22. Working head
23. Trimmer blade
24. Oil tank cap
25. Oil inspection window

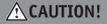
## General

### Reading and storing the user manual

This user manual is an integral part of this 20V 2-in-1 Li-Ion cordless pruner/hedge trimmer (hereafter referred to only as the "product" or "hedge trimmer" or "pruner"). It contains important information on safety, usage and maintenance. Read the manual carefully before using the product. Pay particular attention to the safety instructions and warnings. Not following the instructions given in the manual may result in serious injuries or damage to the product. Always include the manual when you give the product to others. Keep this manual in a safe place for future reference.

## Symbols used in this manual

The following symbols and key words will be used in this manual, on the product or the packaging.

	<b>WARNING!</b>	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
	<b>CAUTION!</b>	Signals a hazard that can cause injuries when ignored.
	<b>NOTE!</b>	Warns against possible damages.
		This symbol refers to useful information on assembly or usage.
		Products marked with this symbol comply with all applicable regulations of the European economic area.
		Read the user manual.
		Wear ear protection.
		Wear safety goggles.
		Wear protective gloves
		Wear safety shoes.
		Wear a safety helmet
		Wearing protective clothing
		Keep your hands away from the blade
		Protection class II (double insulation).



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		Do not use the product during rain or leave it outside when it is raining.
		Indication of the direction in which the product is running.
		The direction in which the teeth are running.
		The guaranteed sound emission level is 99 dB (A).
		General warning.
		Caution: High risk of electric shock! Stay at least 15 m away from overhead lines.
		Make sure that no one is present in the danger zone.
		DC Voltage:
		Do not store the cordless drill and battery at an ambient temperature of more than 45°C. Protect the cordless drill and battery from direct sunlight.
		Do not throw the battery into water. Protect it from water and moisture.
		Do not throw the battery into the fire.
		Positive polarity.
		Short-circuit proof transformer.
		Switch mode power supply.
		Time-current characteristics of the fuse.

## Safety

### Scope of use

The product has been designed for private use and for the following hobby and DIY applications:

- for pruning trees
- for cutting and trimming hedges, bushes and ornamental shrubs

Any other use is expressly prohibited and is considered as misuse.

Use only the batteries specified in the chapter "Inserting / removing the battery", do not operate the product using batteries from other manufacturers.

The manufacturer cannot be held responsible for damage or injury caused by misuse of the product. Examples of misuse are given in the following non-exhaustive list:

- Using the product for purposes other than its intended purpose.
- Using unsuitable accessories
- Using non-original spare parts.
- Incorrect operation or misuse.
- Failure to follow the safety instructions and warnings as well as the assembly, operating, service and maintenance instructions given in this operating manual.
- Failure to follow any accident prevention, occupational health or safety regulations specific and/or generally applicable to the use of the chainsaw.
- Repairs performed by unauthorised third party workshops.
- Use and maintenance by someone who is not familiar with the chainsaw and/or who does not understand the associated risks.

- Commercial, non-industrial or industrial use of the product.

Use the accessories according to these instructions. Failure to follow the instructions given in this user manual may result in serious injuries and loss of warranty. Comply with applicable local or national regulations concerning the use of this product. Do not make any modifications to the product. Any modification to the product may be dangerous and is prohibited.

## Residual risks

Residual risks cannot be completely ruled out even in case of proper use. Due to the nature of the product, the following dangers may arise:

- Health issues resulting from vibration, if the product is used for an extended period of time, or is not operated and maintained properly.
- Injury and property damage caused by parts flung out or tool attachment breakage.
- Kickback of the workpiece or parts of the workpiece if handled incorrectly.
- Contact with the rotating chainsaw / trimmer blades (lacerations).
- Hearing damage if the required ear protection is not worn.
- Toxic saw dust may be produced if the saw is used in enclosed spaces.

## General safety instructions for power tools

### WARNING!

**Read all safety information, instructions, illustrations and technical data supplied with the electric power tool.** *Failure to follow these instructions may result in electric shock, fire and/or serious injuries.*

**Retain all the warnings and safety instructions for future reference.**

*The term "power tool" in the safety instructions refers to your mains-operated (with power cord) power tool or battery-operated (without power cord) power tool.*

## 1) Work area safety

- Keep your work area clean and well lit.** *Disorderly or inadequately lit work areas can lead to accidents.*
- Do not work with the power tool in potentially explosive atmospheres containing flammable liquids, gases or dusts.** *Power tools create sparks which may ignite the dust or fumes.*
- Keep children and other people out of the area when operating the power tool.** *Distractions can cause you to lose control of the power tool.*

## 2) Electrical safety

- The power tool's mains plug has to fit the socket. The plug should not be modified in any way. Do not use any adapter plugs with the earthed (grounded) power tools.** *Unmodified plugs and matching sockets will reduce risk of electric shock.*
- Avoid bodily contact with earthed objects such as pipes, radiators, ovens and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- Keep power tools out of rain and wet environments.** *Water entering a power tool will increase the risk of electric shock.*
- Do not use the power cord for purposes for which it is not intended, such as carrying or hanging up the power tool, and do not pull the cord to disconnect the tool from the mains. Keep the power cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled power cords increase the risk of electric shock.*
- When operating the power tool outdoors, use only extension cords suitable for outdoor use.** *Using an extension cord suitable for outdoor use reduces the risk of electric shock.*





- f) **If you need to use the power tool in a damp environment, use a residual current protection device.** *Using a residual current protection device reduces the risk of electric shock.*
- 3) Personal safety**
- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious injury.*
- b) **Wear personal protective equipment and always use safety goggles.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional start-up. Ensure that the switch is in the off-position before connecting to the power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or connecting it to the mains with the switch in on-position, may result in accidents.*
- d) **Remove any adjusting tools or keys before you switch the power tool on. A tool or a key left in a rotating part of the power tool may result in injuries.**
- e) **Avoid working with your body in an unusual position. Ensure proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Wear appropriate clothing. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.**
- g) **If dust extraction and collection units can be installed, they have to be connected and used properly.** *Use of dust collector can reduce dust-related hazards.*
- h) **Never assume that you are safe enough and disregard the safety rules for electric power tools, even if you are familiar with the electric power tool after using it many times.** *Carelessness may lead to serious injury within a fraction of a second.*
- 4) Power tool use and care**
- a) **Do not overload the power tool. Use power tools that are intended for your work.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch is faulty.** *A power tool which can no longer be switched on and off is dangerous and has to be repaired.*
- c) **Disconnect the plug from the socket and/or remove the battery before making any adjustments, changing tool bits or accessories or putting the power tool away.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store power tools out of the reach of children when not in use. Do not allow persons unfamiliar with the power tool or these instructions, to operate the power tool.** *Power tools are dangerous in the hands of inexperienced users.*
- e) **Maintain the power tools and tool bits carefully. Ensure the moving parts are functioning correctly and do not get stuck. Check if parts are broken or so badly damaged that the power tool's functions are impaired. Get damaged parts repaired before using the power tool.** *Many accidents are caused by poorly maintained power tools.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained tools with sharp cutting edges are less likely to get stuck and are easier to control.*

- g) Use your power tool, accessories and bits etc. according to these instructions. Consider your working environment and the type of job you wish to do. Using power tools for applications other than those intended can lead to dangerous situations.**
- h) Keep the handles and gripping surfaces dry, clean and free of oil and grease. Slippery handles and gripping surfaces prevent safe operation and control of the power tool in unexpected situations.**
- 5) Usage and handling the cordless power tool**
- a) Charge batteries only using chargers recommended by the manufacturer. Charging batteries in a charger intended for other types of battery can result in fire.**
- b) Use only batteries designed for use with the power tool. The use of other batteries can lead to injury or fire.**
- c) When not in use, keep the battery away from staples, coins, keys, nails, screws or other metal objects which could bridge the contacts on the battery. A short circuit between the battery contacts can lead to burns or fire.**
- d) Fluid can leak from the battery if the machine is used incorrectly. Avoid any contact with any fluid which may leak from the battery. Wash your skin with water should the fluid come into contact with your skin. Should the fluid come into contact with your eyes, rinse with water and seek medical attention. Fluid leaking from batteries can lead to irritation or burns.**
- e) Do not use a defective or modified battery. Defective or modified batteries may behave unpredictably and lead to fire, explosion or risk of injury.**
- f) Do not expose a battery to fire or high temperatures. Fire or temperatures above 130 °C may cause the battery to explode.**
- g) Follow all the charging instructions and never charge the battery or battery operated tool outside the temperature range specified in the operating instructions. Incorrect charging or charging outside the admissible temperature range may destroy the battery and increase the risk of fire.**
- 6) Service**
- a) Have your power tool repaired only by qualified personnel and only with original spare parts. This will ensure that the safety of the power tool is maintained.**
- b) Never service damaged batteries. Battery servicing should be carried out only by the manufacturer or by authorized customer service centres.**

## Safety instructions for hedge trimmers

- a) Keep all body parts away from the blade. Do not try to remove the material or to hold the material being cut when the blade is running. The blades continue to move even after the switch is turned off. A moment of carelessness when using the hedge trimmer can result in serious injury.**
- b) Carry the hedge trimmer using the handle once the blade stops moving and keeping your fingers away from the power switch. Carrying the hedge trimmer properly reduces the risk of unintentional switching on and the injuries caused by the blade.**
- c) Always cover the blade when transporting or storing the hedge trimmer. Handling the hedge trimmer properly reduces the risk of injury caused by the blade.**
- d) Make sure all power switches are turned off and the battery pack is removed or disconnected when**





**removing jammed material or performing maintenance.** *Unintentional switching on of hedge trimmer during the removal of jammed material or maintenance can result in serious injuries.*

- e) **Hold the hedge trimmer only using the insulated handles, because the blade may come into contact with concealed cables.** *If the blade comes into contact with a live wire, current can flow through the metal parts of the hedge trimmer and result in an electrical shock.*
- f) **Keep all cables away from the cutting area.** *Cables can be concealed in hedges and bushes and accidentally cut by the blade.*
- g) **Do not use the hedge trimmer in bad weather, especially if there is a risk of lightning.** *This reduces the risk of being struck by lightning.*

### Safety instructions for hedge trimmers with extended range

- a) **Never use the hedge trimmer with extended range near power lines so as to reduce the risk of death caused by electric shock.** *Touching or using the tool near power lines can cause serious injury or fatal electric shock.*
- b) **Always operate the hedge trimmer with extended range using both hands.** *Hold the hedge trimmer with extended range using both hands to avoid losing control.*
- c) **Wear a helmet when working overhead with the hedge trimmer with extended range.** *Falling pieces can cause serious injuries.*
  - *It is advisable to search the hedges and bushes for concealed objects, e.g. wire fences and bent lines.*
  - *Hold the hedge trimmer properly, e.g. with both hands if there are two handles.*
  - *Note that the hedge trimmer is intended for work where the user is standing on*

*the ground and not on a ladder or any other unstable surface.*

- *Before using the hedge trimmer, it is advisable for the user to ensure that the locking mechanism(s) of any moving parts (e.g. the extended shaft and the swivel element), if any, is in the locked position.*
- *Never wear several belts and/or shoulder straps at the same time.*

### Safety instructions for chargers

- a) **Never connect a battery pack that is damaged in any way to the charger.** *There is a danger of electric shock.*
- b) **Do not misuse the charger! The charger should only be used for charging the battery pack supplied along with the charger.** *Misuse may result in fire or a fatal electric shock.*
- c) **Do not charge non-rechargeable batteries with the charger.** *Not following this instruction results in hazards.*
- d) **The power cord of the charger cannot be replaced.** *If the cord is damaged, the charger has to be scrapped.*
- e) **The charger, but not the grass trimmer, can be operated by children from 8 years of age and above, as well as by people with reduced physical, sensory or mental capacities or who lack knowledge or experience,** *if they have been supervised or instructed regarding safe use of the device, and understand the resultant dangers. Children should not play with the device. Cleaning and user maintenance shall not be performed by children without supervision.*

## Causes and preventing kickback

Kickback can occur if the tip of the guide bar touches an object, or if the wood bends and the chainsaw gets stuck when cutting.

Contact with the tip of the bar can result in unexpected re-bound reaction in some cases, where the guide bar is knocked upwards and in the direction of the operator.

If the chainsaw gets stuck at the top of the guide bar, the bar may get pushed back in the direction of the operator.

Each of these reactions may cause you to lose control of the saw and result in severe injuries. Do not rely completely on the safety devices installed in the pruner.

When using a pruner, you should take several measures to prevent accidents and injuries during work.

Kickback is the result of using the power tool in an incorrect or improper manner. Kickback can be avoided by taking appropriate precautions, as described below:

- a) **Hold the saw with both hands, with the thumbs and fingers enclosing the pruner handles. Bring your body and arms to a position in which you can withstand the kickback forces.** *If appropriate measures are taken, then the operator can control the kickback forces. Never let go of the pruner.*
- b) **Avoid working with your body in an unusual position.** *This avoids any unintentional contact with the tip of the bar and ensures better control of the pruner in unexpected situations.*
- c) **Always use spare bars and chainsaws specified by the manufacturer.** *Incorrect spare bars and chainsaws can cause the chain to break and/or kickback.*
- d) **Follow the manufacturer's instructions for sharpening and maintenance of the chainsaw.** *Low depth limit increases the chances of kickback.*

## Additional safety instructions

- a) **Children and adolescents under 18 years of age should not operate electric products.** *The only exceptions are: Apprentices over 16 years of age under the supervision of a skilled person.*
- b) **Before using the product for the first time, ask someone with experience to instruct you in using the product and protective equipment.** *Then, you should practice cutting round logs on a saw stand or on a sawhorse.*
- c) **Get the saw chain  resharpened professionally at an authorised workshop.**
- d) **Only use spare parts / accessories from the manufacturer or authorised and qualified workshops.**
- e) **Check if the cutting unit stops rotating when the motor is idling.**
- f) **Daily inspection is necessary before use and after the product falls down or is subject to other impacts, in order to identify significant damage or defects.**
- g) **Danger! Never use the machine near overhead high-voltage power lines.**
- h) **Use non-slip shoes, helmets and tight-fitting clothing.**
- i) **Caution! Never use the machine if the user is tired, sick or under the influence of alcohol or other drugs.**
- j) **Caution! Danger warning to others and the need to keep them at a safe distance from the machine during work.**
- k) **Cut branches in sections. Caution! Be careful when working in dangerous positions and the risk of being hit by falling branches or by branches that bounce after falling to the ground.**
- l) **Ensure firm footing and balance during work, including the need to use the included strap.**

EN



## Before Use

### **⚠ WARNING!**

**Do not use the product in potentially explosive atmospheres. Use the product only in ambient temperatures between 10 - 50° C.**

**Disconnect the product from the power source before making any settings, mounting or replacing accessories and carrying out maintenance.**

## Checking the product and scope of delivery

### **⚠ WARNING!**

**Risk of injury! Accidental starting of the product can result in serious injury. Always remove the battery from the product before assembling or removing accessories, or carrying out any other work on the product.**

- Take the product and the accessories out of the packaging.
- Check whether the delivery is complete (see the chapter Scope of delivery / Description of parts).
- Check whether the product or the accessories are damaged.
- Do not use the product if it is damaged or parts are missing. Contact the service centre listed on the warranty card.

## Filling the chainsaw oil (Fig. A)

### **⚠ WARNING!**

**Remove the battery before carrying out any adjustments, maintenance or repair.**

### **NOTE!**

The pruner should never be operated without oil. Use only the chain oil recommended by the tool manufacturer and contact the manufacturer if necessary.



Check the oil level before and during use via the oil level window **25**. The oil level should always be above the "MIN" mark during the entire operation and should not not be filled above the top edge of the level window.

- Place the pruner on a suitable surface with the oil tank cap **24** facing upwards.
- Clean the area around the oil tank cap using a cloth.
- Open the oil tank cap **24** by turning it counter clockwise.
- Fill it with organic chainsaw oil (not included in the supply).
- Close the oil tank cap by turning it clockwise.

## Mounting /replacing the saw blade and saw chain (Fig. B-G)

### **⚠ WARNING!**

**Check the chain thoroughly for any damage before mounting it.**

**Wear appropriate safety gloves.**

- Place the saw on a flat and stable surface
- Turn the screw cap **7** anti-clockwise to remove it.
- Remove the chain guard cover **A** including adjusting wheel.
- If you want to replace the saw blade **6** and the saw chain **5**, remove the parts to be replaced.
- Position the saw chain such that it forms a loop on the back of the guide bar.
  - When mounting, ensure that the teeth of the saw at the top of the blade are pointing forward towards the tip the saw blade.
  - Match the position of the individual teeth of the saw chain with the figure on the top of the saw blade.
  - Make sure that the rear end of the saw chain has adequate play.
- Then hold the saw chain firmly on the guide bar and place the free end of the chain around the chain sprocket **B**.
- Ensure that the hole of the bar aligns properly with the pin for adjusting the tension of the chain.

- Turn the screw cap **7** by hand by simultaneously applying slight pressure till the screw cap is positioned on the bolt and has engaged into thread.
- Fix the screw cap by turning it clockwise.
- Adjust the chain tension ( see chapter "Adjusting chain tension").

## Adjusting the chain tension (Fig. H-I)

### ⚠ WARNING!

**Wear appropriate safety gloves.  
Allow the chain to cool down.**

- Loosen the screw cap **7** slightly (but do not remove the cover completely).
- Lift the tip of the guide bar and turn the adjustment wheel **C** clockwise to increase the chain tension.

**i** Turn the adjustment wheel counter clockwise to reduce the chain tension if required (chain is very tight).

- Then tighten the screw cap.

**i** The ideal chain tension is when the saw chain can be raised between 3-5 mm from the middle of the blade. You can test this by pulling the chain at the middle until the motor housing is lifted up.

## Inserting /removing the battery (Fig. J)

- Insert the battery **15** into the guide bar below the rear handle **16** , until it clicks into place.
- To remove the battery, press the battery unlocking latch **14** and slide the battery out of the handle.

Use only the batteries mentioned below:

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<b>Rated voltage</b>	20 V $\equiv$
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<b>Capacity</b>	4000 mAh
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Ambient temperature for operation: 0 - 50° C

## Checking the battery level (Fig. K)

### NOTE!

Check the battery level regularly to avoid deep discharges.

**i** The battery is provided with a status indicator that shows the respective battery level.

- Press the indicator button **D** on the back of the battery.
- The battery level is shown by 3 LEDs **E** .
- 3 LEDs light up green: Battery is charged
- 2 LEDs light up green: Battery is partially charged
- 1 LED lights up green: Battery needs to be charged

## Charging the battery (Fig. L)

### ⚠ CAUTION!

**The battery is slightly charged when it leaves the factory. Charge the battery fully before using it for the first time.**

**The battery heats up during charging and high loads. Always allow the battery to cool down to room temperature before you charge the battery.**

- Remove the battery from the handle, as described in chapter "Inserting / Removing the battery".
- Insert the plug of the charger **3** into the battery **15** .
- Connect the charger to a suitable mains socket.
- After about 60 - 90 minutes, the red charging indicator light goes out.
- Disconnect the charger from the mains socket after charging is complete.
- To remove the charger, pull the plug of the charger from the battery.

Use only the power connector types mentioned below:

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<b>Input power</b>	220-240V $\pm$ 50/60Hz/1.2 A
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<b>Output power:</b>	22V / 2.2A
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Ambient temperature for charging: 0 - 50° C.





## Mounting / replacing the working head

### Assembly (Fig. M)

- Loosen the lower locking lever **10** .
- Slide the working head onto the telescopic rod **11** until you hear and feel it lock into place.
- Fix the lower locking lever.

### Replacing (Fig. N):

- Loosen the lower locking lever **10** .
- Press both locking tabs **21** and pull the working head out of the telescopic rod **11** .
- To assemble the new working head, proceed as described above.

## Mounting / removing the shoulder strap (Fig. O)



**Always wear the shoulder strap when working. Always switch off the device before loosening the shoulder strap. Risk of injury.**

- Attach the snap hook of the shoulder strap **2** to the carrying lug **20** on the telescopic handle.
- Place the shoulder strap over the shoulder.
- Adjust the belt length such that the belt holder is at hip height. If necessary, move the fastener **19** along the telescopic handle.
- To remove proceed in the reverse order.

## Usage

### Switching on / off (Fig. P)



**Always wear the shoulder strap when working. Always switch off the device before loosening the shoulder strap. Risk of injury.**

**Remove the trimmer blade guard **1** / blade guard **4** from the saw blade **6** / trimmer blade **23** before using it each time and replace it on the respective head after use.**

#### NOTE!

Before starting each time, check the oil level of the pruner via the oil level window.

### Switching on:

- Maintain a stable posture at all times.
- Make sure that objects are not touched before switching on.
- Hold the product firmly with both hands.
- Press and hold the unlock switch **18** on the rear handle **16** .
- Press the On / Off switch **17** .

### Switching off:

- Release the On/ Off switch.

## Adjusting the telescopic extension (Fig. Q)



**Check if the telescopic rod and its connecting points are fixed properly before each use.**

- Loosen the upper locking lever **12** .
- Pull out the lower part of the telescopic rod **11** as far as needed.
- Fix the upper locking lever.

## Adjusting the working head (Fig. R)

### ⚠ WARNING!

Before each use, check if the working head is locked in a step.

- The trimmer head can be adjusted to the cutting angle in 4 steps between  $-45^{\circ}$  and  $+90^{\circ}$ .
- The pruner head can be adjusted to the cutting angle in 3 steps between  $0^{\circ}$  and  $30^{\circ}$ .
- Press the locking knob **9**.
- Move the working head **22** to the desired step.
- You can hear and feel the working head snap into place.

## Cutting techniques

- When pruning, hold the product at a maximum angle of  $60^{\circ}$  to the horizontal to avoid getting hit by a falling branch.
- Cut off the lower branches on the tree first. This makes it easier for the branches to fall after being cut.
- Remove any branches/parts of branches that are stuck before continuing work.
- After cutting, the saw abruptly becomes heavier for the operator, because the saw is no longer supported on the branch. There is a risk of losing control of the saw.
- Pull the saw out of the cut with the chain running. This prevents sawing in one place with the tip of the blade.
- Do not saw into the thick branch base. This prevents the tree from recovering.

## Work instructions

### General work instructions

- Check the trimmer blade **23** / saw chain **5** carefully for damages before each use.
- Only use trimmer blades / saw chains in proper condition.
- Keep the trimmer blade / saw chain always sharpened and lubricated.
- Move the trimmer blade / saw chain always away from you, not towards you.
- Check the hedge / bush area before cutting carefully for any foreign objects such as stones and remove them if necessary.
- Before cutting, search hedges and shrubs for hidden objects such as wire fences, and remove them if necessary.
- The best cutting result is obtained when you move the trimmer blade such that the blade teeth are at an angle of about  $15^{\circ}$  to the hedge.
- Using the twin counter-rotating blades, you can cut with the trimmer blade in both directions.

### Cutting small branches

- Place the contact surface of the saw on the branch. This prevents jerky movements of the saw when you start cutting.
- Guide the saw through the branch from top to bottom with slight pressure.
- Cut small branches in one go.
- Branches, which are under tension, should be cut from the bottom to the top to prevent the saw from getting stuck.

### Cutting larger and longer branches

For larger branches, make a relief cut:

- First, cut through  $1/3$  of the branch diameter using the top of the blade from bottom to top.
- Then cut using the bottom of the blade from top to bottom towards the first cut.
- Cut longer branches in sections to have control over the cutting point.

## Maintenance, cleaning, storage and transport

### ⚠ WARNING!

**Disconnect the mains plug of the charger and remove the battery of the product before making any adjustment, maintenance or repair.**

**Wear appropriate safety gloves.**

## Maintenance

Get your product maintained by a specialist at regular intervals.

Only use spare parts / accessories from the manufacturer or authorised and qualified workshops.

Repairs should only be carried out by qualified technicians or by an authorised service centre. Qualified technicians must have relevant training and experience, be familiar with the design and construction requirements of the product and understand and follow the safety regulations. Keep your tool inserts always sharp and well greased. Sharpen / grease them always using a suitable tool as recommended by the tool insert manufacturer.



To change the saw blade and the saw chain, follow the instructions given in the chapter Mounting/ replacing the saw blade and saw chain.

## Cleaning

### ⚠ CAUTION!

**Make sure that liquids do not get inside the product.**

Get your product cleaned professionally by a specialist at regular intervals.

- Clean the product with a moist cloth. Never use strong and / or abrasive cleaning agents or solvents. Then allow all the parts to dry completely.
- Clean the product from sawdust, dust and saw chain oil after each use.

- Ensure that the ventilation slots are not blocked and clean the housing of the product regularly with a soft cloth.

## Storage

- Remove the battery before putting the drill away (see chapter "Inserting / removing the battery").
- Keep the product in a safe, cool, dry and well-ventilated place in its original packaging, out of the reach of children when it is not being used.
- Clean the product before storage.
- If you want to store the product for extended periods, you have to rinse the lubrication system of the pruner using chainsaw cleaner.
- Fill the empty oil tank with 50 ml of chainsaw cleaner (not included in the supply).
- Remove the chain and the blade.
- Allow the pruner to run till the chainsaw cleaner completely drains out of the oil tank.
- Always mount the blade guard 4 / trimmer blade guard 1 before storage.



Fill the organic chainsaw oil again during the next use.

- Lubricate the blades of the hedge trimmer.
- Keep the product and the battery in a safe, cool, dry and well-ventilated place, out of the reach of children, when it is not being used.
- Store the product and the battery at an ambient temperature of 0 - 50° C.

## Transport

- Clean the product before transporting it.
- Always mount the blade guard 4 / trimmer blade guard 1 before transport.
- Make sure that the oil tank cap 24 is firmly screwed to prevent oil leakage during transport.
- Use the original packaging and secure the product against shock and vibrations during transport.
- Always carry the product using the handle provided for this purpose.

## Troubleshooting

Problem	Possible cause	Rectification
The product does not start.	Battery empty.	Charge the battery.
	Problem with battery contacts.	Slide the battery into the guide on the handle of the product. The battery has to click into place audibly.
There is heavy sparking in the motor.	The motor is damaged.	Give the product to the repair shop or to a specialist workshop.
Working head stalls when working.	Working head not oiled / lubricated.	Clean the product as described in the chapter "Cleaning and maintenance" and then oil/lubricate it.
		If these measures are not effective, hand over the product to the customer service or to a specialist workshop.

## Technical data

### Pruner

Rated voltage	20 V $\text{DC}$ / 4000 mAh
Chain speed	5.5 m/s
Cutting length	180 mm

### Hedge trimmer

Rated voltage	20 V $\text{DC}$ / 4000 mAh
Cutting length	405 mm

### Battery

Voltage	20 V $\text{DC}$
Capacity	4000 mAh
Type	Lithium-ion battery (Li-ion)

### Charger

Mains Voltage	220-240V $\pm$ 50/60Hz/1.2 A
Output voltage	22V / 2.2A
Charging time	approx. 120 minutes



## Noise and vibrations levels

### Noise emissions

Tested according to EN 62841. The noise at the workplace can exceed 85 dB (A), in which case protective measures for the user are required (wear suitable hearing protection).

<b>Sound pressure level:</b> $L_{pA}$	79.5 dB(A)
<b>Sound power level:</b> $L_{wA}$	94 dB(A)
<b>Guaranteed sound level:</b> $L_{wA}$	99 dB(A)
<b>Instability:</b> $K_{pA} / K_{wA}$	3 dB(A)

### Vibration details

<b>Vibration value:</b> $a_h$ ,	1.79 m/s <sup>2</sup>
<b>Instability:</b> K	1.5 m/s <sup>2</sup>

The overall vibration value and the noise emission value specified have been measured according to a standardized test method and can be used to compare one power tool with another.

The overall vibration value and the noise emission value specified can also be used for a preliminary estimation of the load.

#### WARNING!

**The vibration and noise emissions during the actual use of the power tool may differ from the specified values, depending on the manner in which the power tool is used, especially, the type of workpiece being machined**

**The vibration emission during actual use of the tool can differ from the declared vibration level depending on the ways in which the tool is used, for example:**

- Is the tool well-maintained and in good condition.
- How, and for what material, the tool is used.
- The use of proper accessories, and whether these are in good condition.

- Is the product held tightly by the user.
- Is the product operated properly as described in this manual
- If the product is used improperly or excessively it can cause vibration-related illness

#### WARNING!

**Safety measures have to be defined to protect the operator based on an estimate of the vibration load during actual usage conditions (in this case all the parts of the operating cycle have to be considered, such as times when the power tool is turned off, and those where, the tool is turned on, but is running without load).**

**Depending on the way the tool is used and the operating conditions, the following safety precautions have to be taken for the safety of the operator:**

- Try to avoid exposure to vibration as much as possible.
- Use only accessories that are in good condition.
- Wear anti-vibration gloves when using the tool.
- Follow the instructions on maintenance and care given in this manual.
- Avoid using the product at temperatures below 10°C and over 50°C.
- Plan your work in such a way so that you do not have to use vibrating tools over several days.

## Recycling

### Dispose of packaging, paper and printed matter



Dispose of the packaging, paper and printed matter according to the type of material and according to any local regulations.

### Disposal of the product



The adjacent symbol of a crossed-out dustbin indicates that this device is subject to Directive 2012/19/EU. This directive states that you should not dispose of this device with normal household waste at the end of its service life, but have to take it to specially equipped collection points, recycling centres or waste disposal companies. The disposal is free of cost for you. Protect the environment and dispose of it properly.

The following applies to the German market: When purchasing a new device, you have the right to return the old device to your dealer. Dealers of electrical and electronic devices with a sales area of at least 400 square metres and food retailers with a sales area of at least 800 square metres who regularly sell electrical and electronic devices are obliged to take back old devices free of charge, even if you do not purchase a new device, if the dimension of the old device does not exceed 25 cm. The importer offers you return options directly in the shops and markets. Please also contact your dealer for information on local return options.

If your old device contains personal data, you are responsible for deleting it before returning it.

If this is possible without destroying the old device, remove the old batteries or rechargeable batteries and lamps before returning the old device for disposal and separate them for collection.

If the batteries are permanently installed, indicate when disposing the device that it contains a battery.

Contact your local municipality or city administration if you are looking for other ways to dispose of old devices.

### Disposal of batteries / rechargeable batteries



Batteries / rechargeable batteries should not to be disposed of together with domestic waste. Users are legally obliged to hand over batteries and rechargeable batteries separately to a collection center.

Batteries and rechargeable batteries can be handed over free of charge to a collection center in your community / district or to a retailer so that they can be disposed of in an eco-friendly manner and valuable raw materials can be recycled. In case of improper disposal, toxic substances can be released into the environment, which have a harmful effect on humans, animals and plants.

Batteries and rechargeable batteries included in electrical devices have to be disposed of separately if possible. Dispose of batteries and rechargeable batteries only after they are discharged.

Use rechargeable batteries instead of disposable batteries whenever possible.

If batteries and rechargeable batteries contain lithium, stick tape to the terminals before disposal to avoid an external short circuit. A short circuit may result in a fire or an explosion.

