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› Einhell Professional GP-PS 18/20 Li BL-Solo Power X-Change Cordless Pruning Saw Instruction Manual

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INSTRUCTION MANUAL

Model: GP-PS 18/20 Li BL-Solo | Brand: Einhell

1. Product Overview

The Einhell Professional GP-PS 18/20 Li BL-Solo is a versatile and compact cordless pruning saw designed for cutting back and shaping trees and shrubs, shredding green waste, and cutting small sections of wood. As part of the Einhell Power X-Change family, it is compatible with all batteries and chargers from this series. This tool features a brushless motor for enhanced power and extended operating time compared to traditional carbon brush motors. Its compact and lightweight design, combined with a 15 cm cutting length and a chain speed of up to 8 m/s, makes it ideal for flexible garden use.



Figure 1: The Einhell Professional GP-PS 18/20 Li BL-Solo cordless pruning saw, shown with a compatible Power X-Change battery.

2. Safety Instructions

Always observe the following safety precautions when operating the pruning saw to prevent injury and damage.

General Safety Warnings

- **Read the Manual:** Thoroughly read and understand all instructions and safety warnings before use.
- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, gloves, and sturdy footwear.
- **Keep Work Area Clear:** Ensure the work area is free from obstacles, debris, and bystanders.
- **Avoid Wet Conditions:** Do not operate the pruning saw in rain or damp environments.
- **Secure Workpiece:** Always ensure the material being cut is stable and cannot shift during operation.
- **Two-Hand Operation:** Always hold the pruning saw firmly with both hands during operation.
- **Kickback Prevention:** Be aware of potential kickback and avoid cutting with the tip of the guide bar.

3. Product Components

Familiarize yourself with the main components of your cordless pruning saw:



Figure 2: Labeled diagram highlighting key features and components of the pruning saw.

- **Guide Bar and Chain:** High-quality cutting components for precise cuts.
- **Hand Guard:** Integrated for user safety during operation.
- **Foldable Chain Cover:** Provides additional safety and protection.
- **Brushless Motor:** Delivers powerful and efficient performance.
- **Tool-Free Chain Tensioning Knob:** For easy adjustment of chain tension.
- **Oil Reservoir:** For automatic chain lubrication.
- **Ergonomic Handle with Softgrip:** Ensures comfortable and secure handling.

4. Setup and Assembly

4.1. Battery Installation

1. Ensure the pruning saw is switched off.
2. Align the Power X-Change battery with the battery slot on the tool.
3. Slide the battery into the slot until it clicks securely into place.
4. To remove, press the release button on the battery and slide it out.

4.2. Guide Bar and Chain Assembly

1. Place the guide bar onto the mounting studs.
2. Carefully fit the chain around the sprocket and into the guide bar groove. Ensure the cutting edges of the chain are facing the correct direction.
3. Close the chain cover and secure it.



Figure 3: Proper installation of the guide bar and chain.

4.3. Chain Tensioning

The pruning saw features tool-free chain tensioning for convenience.

1. Loosen the locking knob on the side of the saw.
2. Turn the red adjustment knob to increase or decrease chain tension. The chain should be snug against the guide bar but still able to be pulled freely by hand.
3. Once tension is correct, tighten the locking knob firmly.



Tension de la chaîne sans outil et changement simple du guide-chaîne et de la

Figure 4: Adjusting chain tension using the tool-free knob.

4.4. Filling the Oil Reservoir for Automatic Lubrication

The pruning saw has an automatic chain lubrication system. Ensure the oil reservoir is filled before each use.

1. Locate the oil reservoir cap.
2. Unscrew the cap and use the provided filling funnel to pour appropriate chain oil into the reservoir.
3. Do not overfill. Replace the cap securely.



Réservoir d'huile intégré pour la lubrification automatique de la chaîne

Figure 5: Filling the oil reservoir for automatic chain lubrication.

5. Operation

5.1. Starting and Stopping

- To start: Press the safety lock-off button and then squeeze the trigger switch.
- To stop: Release the trigger switch.

5.2. Cutting Techniques

Always maintain a firm grip with both hands. Position yourself securely and ensure the workpiece is stable.

- **Pruning Branches:** Support the branch if necessary to prevent it from pinching the chain. Make relief cuts if the branch is heavy.
- **Cutting Logs:** Place the log on a stable surface or sawhorse. Avoid cutting into the ground.
- **Avoid Kickback:** Never cut with the tip of the guide bar. Always use the bottom edge of the guide bar for cutting.



Figure 6: Demonstrating the pruning saw in action, cutting a log.

Your browser does not support the video tag.

Video 1: An official product video demonstrating the Einhell Professional GP-PS 18/20 Li BL-Solo cordless pruning saw in various cutting tasks, highlighting its ease of use and features.

6. Maintenance and Care

Regular maintenance ensures optimal performance and extends the life of your pruning saw.

6.1. Cleaning

- Always remove the battery before cleaning.
- Use a brush or compressed air to remove sawdust and debris from the guide bar, chain, and motor housing.
- Wipe the exterior with a damp cloth. Do not use harsh chemicals.

6.2. Chain Sharpening and Replacement

- A dull chain reduces cutting efficiency and increases kickback risk. Sharpen the chain regularly or replace it when necessary.
- The chain and guide bar can be replaced without tools by following the assembly instructions in Section 4.2.

6.3. Oiling System Check

- Regularly check the oil level in the reservoir.
- Ensure the automatic lubrication system is functioning by observing oil spray from the chain during operation.

7. Troubleshooting Guide

Refer to this table for common issues and their solutions:

| Problem | Possible Cause | Solution |
|--------------------------|---|---|
| Saw does not start | Battery not inserted correctly or discharged. Safety lock-off not engaged. | Check battery connection and charge. Ensure safety lock-off button is pressed before trigger. |
| Poor cutting performance | Dull chain. Incorrect chain tension. | Sharpen or replace chain. Adjust chain tension as per Section 4.3. |
| Chain not lubricating | Oil reservoir empty. Clogged oil port. | Refill oil reservoir. Clean oil port if necessary. |
| Excessive vibration | Loose chain. Damaged chain or guide bar. | Adjust chain tension. Inspect chain and guide bar for damage and replace if needed. |

8. Technical Specifications

| Feature | Specification |
|--------------------------------|---|
| Model Number | 4600080 |
| Power Source | 18V Power X-Change Battery (not included) |
| Motor Type | Brushless |
| Guide Bar Length | 19.2 cm |
| Cutting Length | 15 cm |
| Chain Speed | 8 m/s |
| Automatic Chain Lubrication | Yes |
| Tool-Free Chain Tensioning | Yes |
| Weight (without battery) | 1.38 kg |
| Product Dimensions (L x W x H) | 46 x 11 x 15 cm |

9. Warranty and Customer Support

Einhell offers a 10-year warranty on the brushless motor after online registration. For warranty claims, technical assistance, or spare parts, please contact Einhell customer support.

Manufacturer Contact:

Eschenstr. 6

94405 Landau an der Isar

Germany

Please visit the official Einhell website for the most up-to-date contact information and warranty registration details.