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Einhell GH-EC 1835

Einhell Electric Chainsaw GH-EC 1835 User Manual

Model: GH-EC 1835 | Brand: Einhell

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Einhell Electric Chainsaw GH-EC 1835. Please read these instructions carefully before using the chainsaw for the first time. Keep this manual in a safe place for future reference.



Figure 1: Einhell Electric Chainsaw GH-EC 1835. This image shows the complete chainsaw with its red and black housing, guide bar, and chain.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in serious injury or death.

2.1 General Safety

- Always wear appropriate Personal Protective Equipment (PPE), including safety glasses, hearing protection, gloves, and sturdy footwear.

- Ensure the work area is clear of bystanders, especially children and pets.
- Do not operate the chainsaw in wet conditions or in the presence of flammable liquids or gases.
- Inspect the chainsaw before each use for any damage or loose parts.

2.2 Electrical Safety

- Ensure the power supply matches the voltage specified on the chainsaw's rating plate.
- Use only extension cords suitable for outdoor use and rated for the chainsaw's power consumption.
- Keep the power cord clear of the cutting area and away from sharp objects.
- Never carry the chainsaw by its power cord.

2.3 Kickback Prevention

Kickback can occur when the moving chain contacts an object at the upper tip of the guide bar or when the wood closes in and pinches the chain in the cut. To avoid kickback:

- Maintain a firm grip with both hands on the chainsaw handles.
- Do not overreach or cut above shoulder height.
- Be aware of the guide bar tip position.
- Ensure the chain brake is functional and engaged when not cutting.

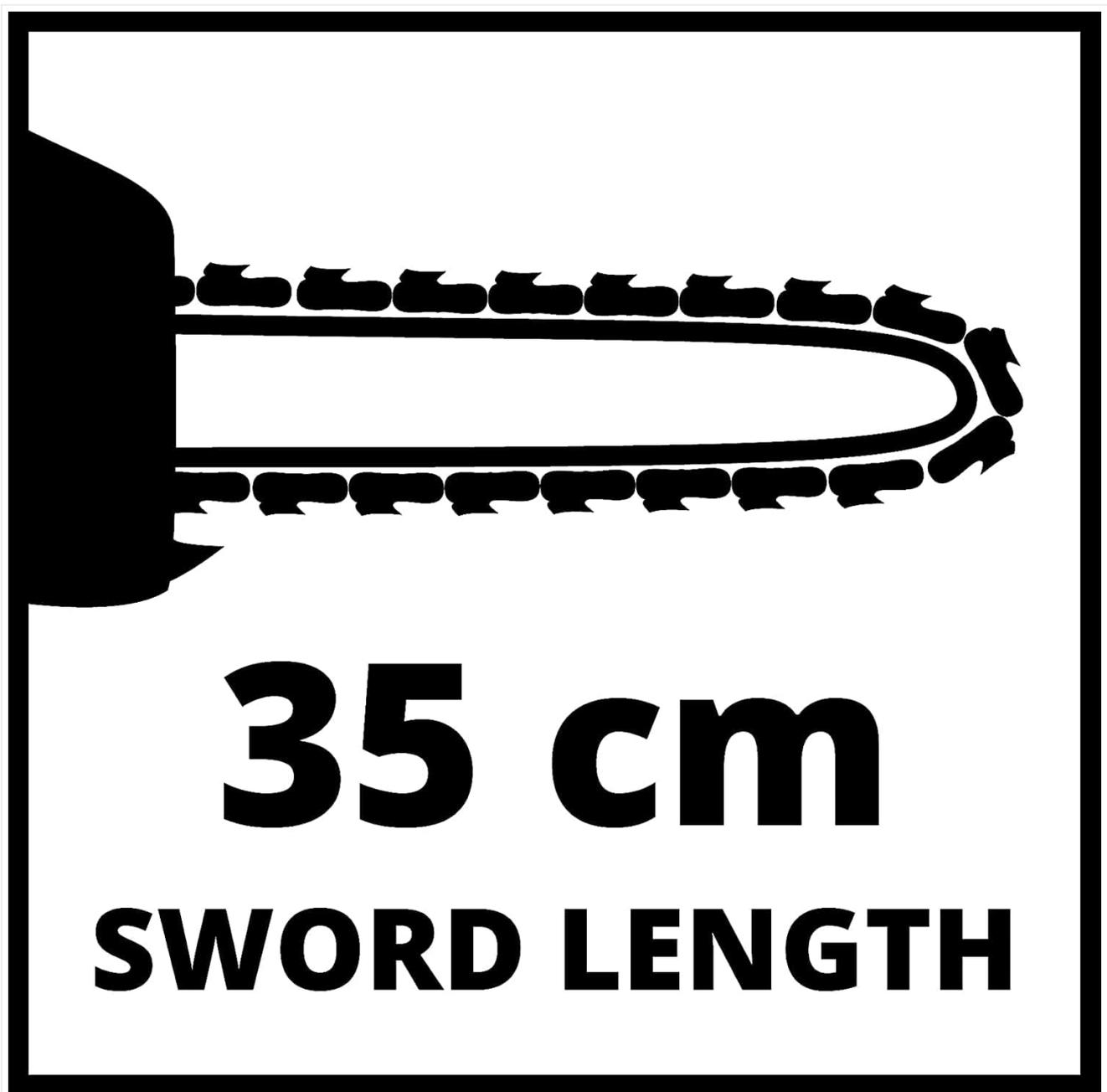
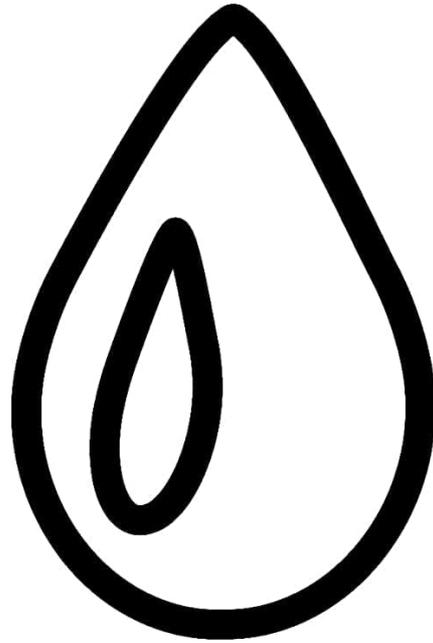


Figure 2: Chain Brake / Hand Guard. This image highlights the chain brake mechanism and the hand guard, crucial safety features designed to protect the user from kickback and accidental contact with the chain.

3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your Einhell Electric Chainsaw GH-EC 1835.

- **Guide Bar:** The metal bar that supports and guides the saw chain.
- **Saw Chain:** The cutting element with sharp teeth.
- **Chain Brake / Hand Guard:** A safety device that stops the chain rapidly and protects the hand.
- **Oil Tank Cap:** For filling chain lubricant.
- **Oil Level Window:** Allows visual inspection of the oil level.
- **Front Handle:** For stable two-hand operation.
- **Rear Handle:** With integrated power switch.
- **Chain Tensioning Knob:** For tool-free chain adjustment.
- **Metal Claw:** Provides grip against the wood for stable cutting.



160 ml
OIL TANK

Figure 3: Ergonomic Handle. This image shows the ergonomic design of the chainsaw's handle, providing comfortable and secure grip during operation.

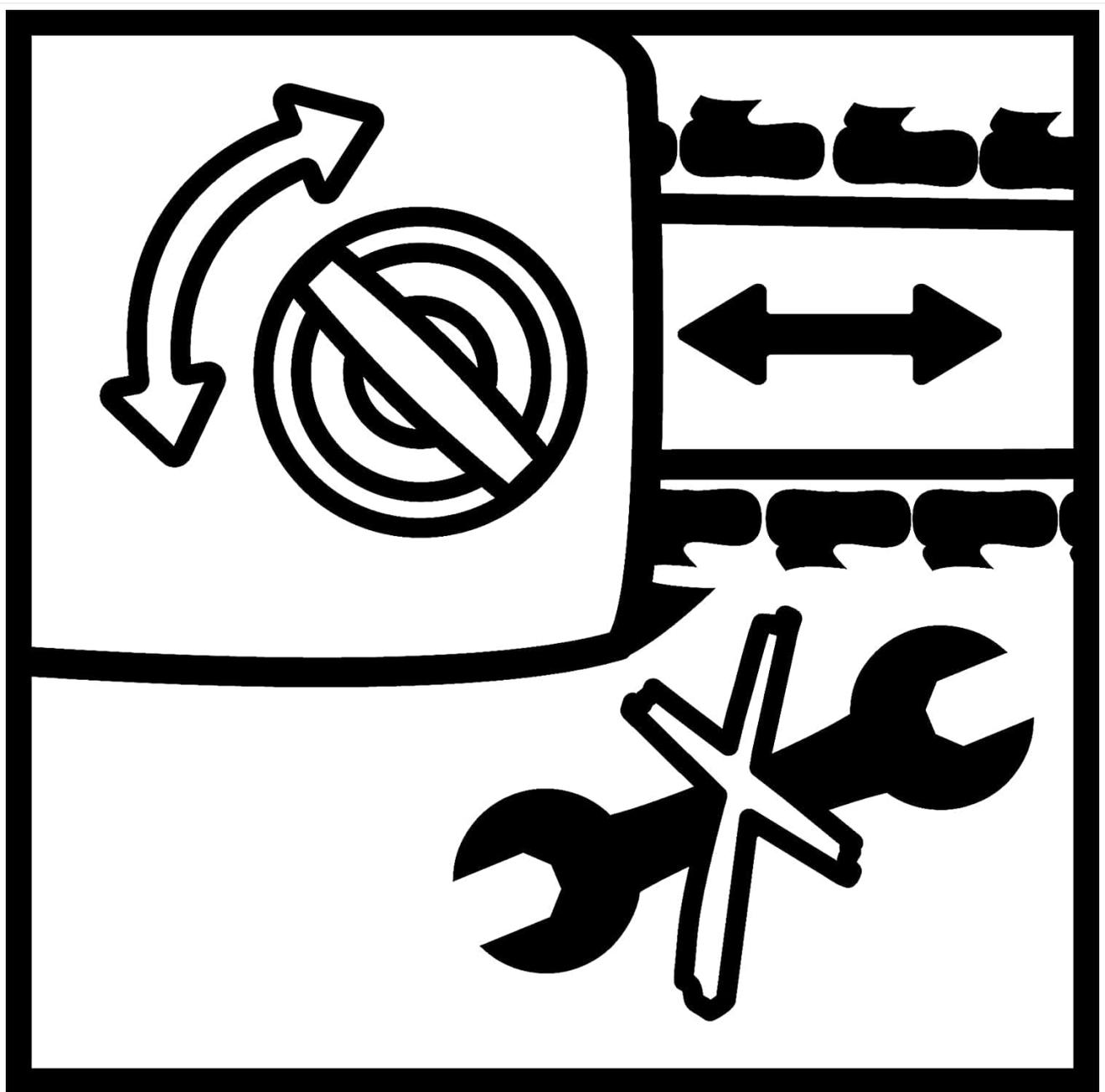


Figure 4: Metal Claw. This image illustrates the metal claw (bumper spike) located at the base of the guide bar, which helps to anchor the chainsaw against the wood for more controlled cutting.

4. SETUP

4.1 Unpacking

Carefully remove all components from the packaging. Ensure all parts listed in the packing contents are present and undamaged. Dispose of packaging materials responsibly.

4.2 Guide Bar and Chain Assembly

1. Place the chainsaw on a stable surface.
2. Remove the chain cover by loosening the tensioning knob.
3. Fit the chain onto the guide bar, ensuring the cutting edges face the correct direction (refer to the arrow on the guide bar).
4. Place the guide bar and chain onto the chainsaw, ensuring the chain engages with the drive sprocket.
5. Replace the chain cover and lightly tighten the tensioning knob.
6. Adjust the chain tension using the tool-free tensioning knob until the chain is snug but can still be pulled freely around

the guide bar. The chain should not sag on the underside of the guide bar.

7. Fully tighten the tensioning knob.



Figure 5: Oregon Guide Bar and Chain. This image highlights the high-quality Oregon guide bar and chain, known for their durability and cutting performance.



Figure 6: Tool-free Chain Tensioning. This image demonstrates the convenient tool-free mechanism for adjusting chain tension, simplifying maintenance and setup.

4.3 Oil Filling

The chainsaw features an automatic chain lubrication system. It is crucial to fill the oil tank before each use.

1. Ensure the chainsaw is unplugged from the power supply.
2. Unscrew the oil tank cap.
3. Fill the tank with suitable chainsaw chain oil (not included) up to the maximum level.
4. Replace the oil tank cap securely.
5. Regularly check the oil level during operation using the oil level window.

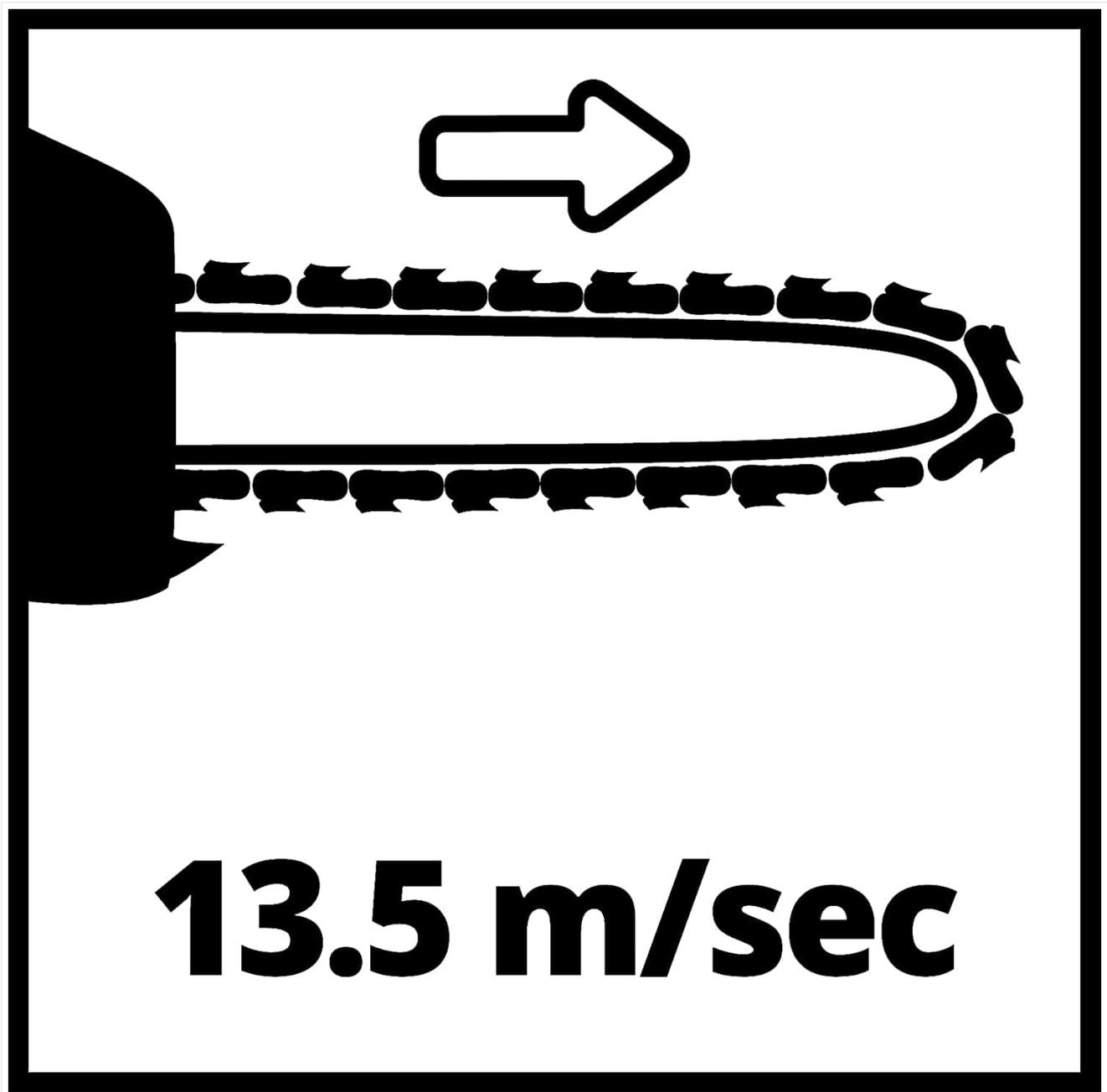


Figure 7: Automatic Chain Lubrication. This image illustrates the automatic oiling system, which ensures continuous lubrication of the chain and guide bar during operation.

5. OPERATING INSTRUCTIONS

5.1 Starting and Stopping

1. Ensure the chain brake is disengaged (pulled back towards the front handle).
2. Connect the chainsaw to a suitable power outlet.

3. Press the safety lock-off button and then squeeze the trigger switch to start the chainsaw.
4. Release the trigger switch to stop the chainsaw.
5. Engage the chain brake immediately after stopping the chainsaw or when moving between cuts.

5.2 Cutting Techniques

- Always hold the chainsaw firmly with both hands.
- Start cutting with the chain running at full speed.
- Allow the chainsaw to do the work; do not force it through the wood.
- Be aware of falling branches and logs. Plan your cuts to avoid pinching the guide bar.
- For larger logs, make an undercut first to prevent splintering.



Figure 8: Chainsaw in Use. This image shows a user safely operating the Einhell electric chainsaw to cut a log, demonstrating proper posture and safety gear.

Your browser does not support the video tag.

Video 1: Einhell Electric Chainsaw GH-EC 1835 Product Demonstration. This video provides a visual guide on the assembly, operation, and key features of the Einhell GH-EC 1835 electric chainsaw, including safety precautions and maintenance tips.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your chainsaw.

6.1 Cleaning

- Always unplug the chainsaw before cleaning.
- Remove sawdust and debris from the guide bar, chain, and motor housing using a brush or compressed air.
- Clean the oil inlet and outlet to ensure proper lubrication.

6.2 Chain Lubrication

The automatic lubrication system requires regular monitoring of the oil level. Refill the oil tank as described in Section 4.3.

6.3 Chain Sharpening

A sharp chain is essential for efficient and safe cutting. If the chain becomes dull, it should be sharpened or replaced. Refer to a qualified service technician or consult specific chain sharpening guides for your Oregon chain type.

6.4 Storage

- Clean the chainsaw thoroughly before storing.
- Drain any remaining chain oil from the tank.
- Apply a thin layer of oil to the guide bar and chain to prevent rust.
- Store the chainsaw in a dry, secure place, out of reach of children.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--------------------------|---|--|
| Chainsaw does not start | No power supply; Safety lock-off not pressed; Damaged power cord | Check power connection; Press safety lock-off and trigger simultaneously; Inspect and replace damaged cord |
| Chain does not move | Chain brake engaged; Chain too tight; Chain jammed by debris | Disengage chain brake; Adjust chain tension; Clean guide bar and chain area |
| Poor cutting performance | Dull chain; Incorrect chain tension; Insufficient chain lubrication | Sharpen or replace chain; Adjust chain tension; Refill oil tank and check lubrication system |
| Excessive vibration | Loose chain; Damaged chain or guide bar | Adjust chain tension; Inspect and replace damaged components |

8. SPECIFICATIONS

| Feature | Specification |
|------------------|---------------|
| Model | GH-EC 1835 |
| Power Input | 1800 W |
| Guide Bar Length | 35 cm |
| Cutting Length | 32.5 cm |
| Chain Speed | 13.5 m/s |

| Feature | Specification |
|------------------------|---------------|
| Oil Tank Capacity | 160 ml |
| Gear Material | Metal |
| Chain/Guide Bar | Oregon |
| Weight | 5.38 kg |
| Sound Level | 104 dB |
| Manufacturer Reference | 4501710 |
| UPC | 012345678912 |

9. WARRANTY AND SUPPORT

The Einhell Electric Chainsaw GH-EC 1835 comes with a manufacturer's warranty of 2 years. For warranty claims, technical support, or spare parts, please contact your retailer or the official Einhell customer service. Keep your proof of purchase for warranty validation.

Spare parts availability is guaranteed for 2 years from the date of purchase.