

## Secura CSH46 (Compatible Chainsaw Model)

# Secura Chainsaw Chain and Guide Set for Scheppach CSH46 - Instruction Manual

Model Compatibility: Scheppach CSH46 | Secura Reference: 6588431

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Secura Chainsaw Chain and Guide Set. This set is specifically designed for the **Scheppach CSH46** chainsaw and includes four high-quality semi-chisel chains and one laminated guide bar with a riveted sprocket. Please read these instructions carefully before installation and operation to ensure proper fit, performance, and safety. The primary purpose of this manual is to guide you through identifying the correct chain and guide bar specifications, installation, basic maintenance, and troubleshooting.

## 2. IMPORTANT SAFETY INFORMATION

Always prioritize safety when working with chainsaws and their accessories. Failure to follow safety guidelines can result in serious injury.

- **Read Chainsaw Manual:** Always refer to your chainsaw's original instruction manual for specific safety warnings, operation procedures, and maintenance schedules.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, gloves, safety helmet, and protective legwear, when operating or maintaining a chainsaw.
- **Power Disconnection:** Before performing any installation, maintenance, or inspection on the chain or guide bar, ensure the chainsaw's engine is off and the spark plug cap is disconnected (for gasoline models) or the battery is removed (for electric/cordless models).
- **Sharp Edges:** Chainsaw chains have sharp cutting edges. Handle them with extreme care to prevent cuts.
- **Correct Fit:** Ensure the replacement chain and guide bar are the correct specifications for your chainsaw. An incorrect fit can lead to chain derailment, kickback, and severe injury.

## 3. PRODUCT COMPONENTS

Your Secura Chainsaw Chain and Guide Set includes the following items:

- **4x Chainsaw Chains:** Semi-chisel type, 3/8LP pitch, 62 drive links, 1.3mm (.050") gauge.
- **1x Guide Bar:** Laminated with riveted sprocket, 45cm (18 inch) cutting length.



*Image 1: Overview of the Secura Chainsaw Chain and Guide Set, showing multiple chains and one guide bar.*

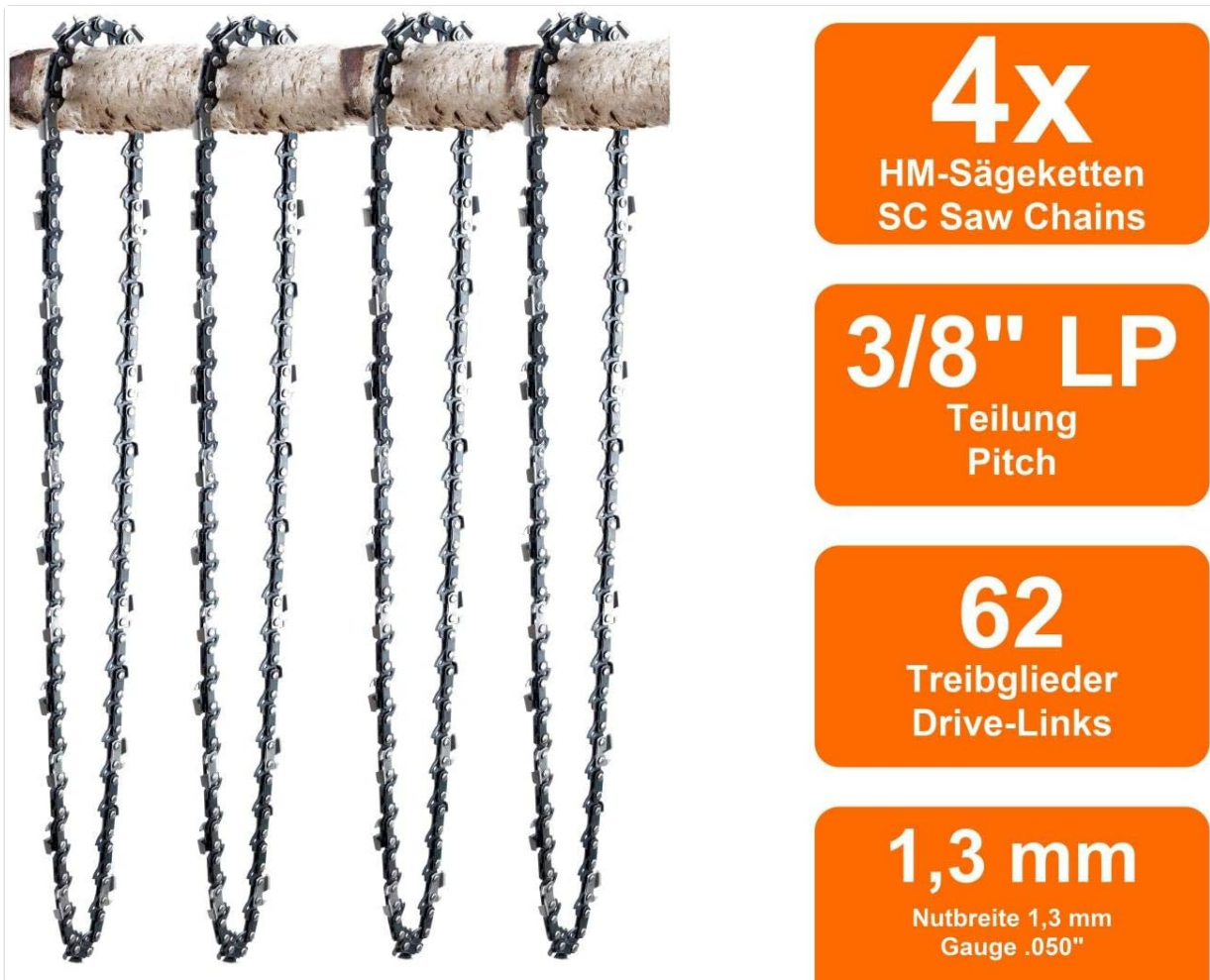


Image 2: Visual representation of the chain specifications: 4x HM-Sägeketten (SC Saw Chains), 3/8" LP Pitch, 62 Treibglieder (Drive Links), 1.3 mm Nutbreite (Gauge).

## 4. COMPATIBILITY AND MEASUREMENT

It is crucial to verify the specifications of your existing chainsaw chain and guide bar to ensure this Secura set is compatible. Chainsaw chains are defined by three main parameters: **Pitch**, **Gauge**, and **Number of Drive Links**. The guide bar is defined by its **Cutting Length**.

### 4.1. Measuring Cutting Length

The cutting length refers to the usable length of the guide bar, from the chainsaw housing to the tip of the bar. It is **not** the total length of the guide bar.

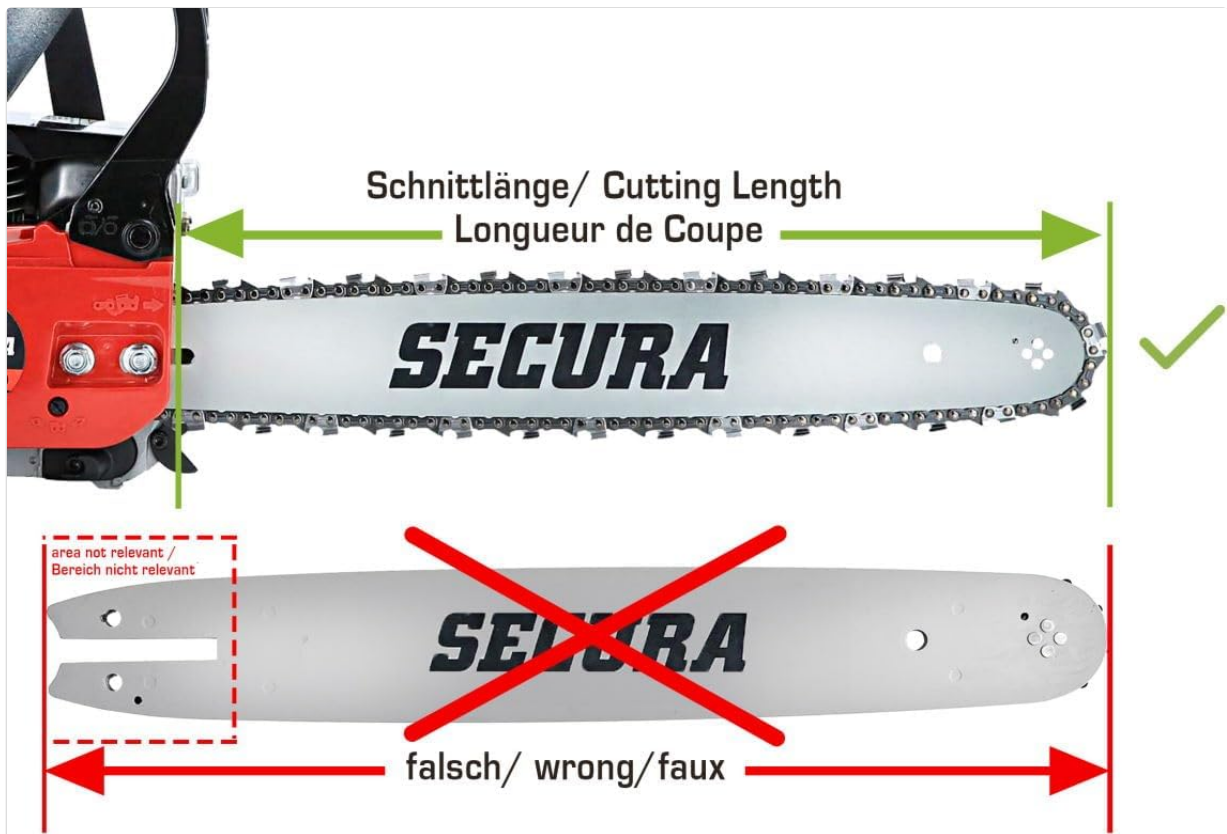


Image 3: Illustration demonstrating how to correctly measure the cutting length (Schnittlänge / Longueur de Coupe) of a chainsaw guide bar, from the chainsaw body to the tip of the bar. An incorrect measurement method showing the full bar length is also depicted as 'wrong'.

#### 4.2. Measuring Chain Specifications (Pitch, Drive Links, Gauge)

These three measurements are critical for selecting the correct chain:

- **Pitch:** The distance between three consecutive rivets divided by two. Common pitches are 3/8" LP (Low Profile), .325", and 3/8". This set is **3/8LP**.
- **Drive Links:** The number of links on the chain that fit into the guide bar groove. Count these carefully. This set has **62 drive links**.
- **Gauge:** The thickness of the drive links, which fits into the guide bar groove. Common gauges are 1.1mm (.043"), 1.3mm (.050"), 1.5mm (.058"), and 1.6mm (.063"). This set has a **1.3mm (.050") gauge**.

## Maße einer Sägekette ermitteln How to measure a saw chain

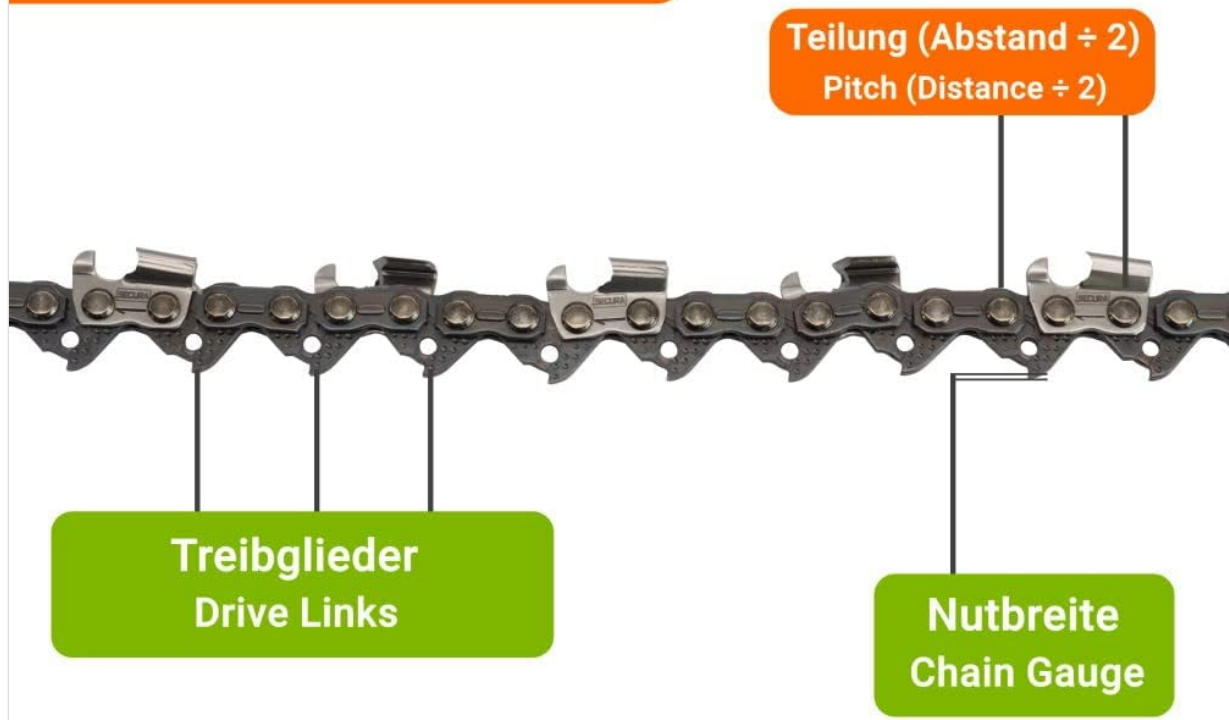


Image 4: Diagram illustrating how to measure key chainsaw chain dimensions: Pitch (Teilung), Drive Links (Treibglieder), and Chain Gauge (Nutbreite).

Verify these measurements against your existing chain and guide bar to ensure compatibility with the Secura set.

## 5. SETUP AND INSTALLATION

Follow these general steps for installing the new chain and guide bar. Always refer to your chainsaw's specific manual for detailed instructions.

1. **Prepare Chainsaw:** Ensure the chainsaw is turned off, the spark plug cap is disconnected (gas models) or battery removed (electric/cordless models), and the chain brake is disengaged.
2. **Remove Old Components:** Loosen the bar nuts and remove the clutch cover. Carefully remove the old chain and guide bar.
3. **Clean:** Clean any sawdust, debris, and old oil from the clutch area, guide bar groove, and oiling holes.
4. **Install New Guide Bar:** Place the new Secura guide bar onto the guide bar studs. Ensure the oiling holes on the bar align with the chainsaw's oil outlet.
5. **Install New Chain:** Carefully place the new Secura chain around the drive sprocket and into the groove of the guide bar. Ensure the cutting edges of the chain are facing in the correct direction of rotation (usually indicated by an arrow on the chainsaw housing or chain itself).
6. **Replace Clutch Cover:** Reinstall the clutch cover and hand-tighten the bar nuts.
7. **Adjust Chain Tension:** Adjust the chain tension using the tensioning screw. The chain should be snug against the guide bar but still able to be pulled freely by hand. There should be no sag on the underside of the guide bar. A properly tensioned chain will have the drive links fully seated in the guide bar groove, but you should be able to pull the chain up slightly (about 2-3mm) in the middle of the bar.
8. **Tighten Bar Nuts:** Fully tighten the bar nuts.



9. **Check Oiling:** Start the chainsaw (briefly, in a safe area) and check that the chain oiler is functioning correctly. Hold the tip of the guide bar over a light-colored surface; a line of oil should appear.



*Image 5: Close-up view of the chainsaw chain properly seated on the guide bar, illustrating correct installation.*

## 6. OPERATING

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Once the chain and guide bar are correctly installed and tensioned, and the oiler is confirmed to be working, you can operate your chainsaw according to its manufacturer's instructions. Always ensure the chain is sharp and properly lubricated for efficient and safe cutting.

## 7. MAINTENANCE

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Regular maintenance of your chainsaw chain and guide bar will extend their lifespan and ensure safe operation.

### 7.1. Chain Sharpening

The semi-chisel chains in this set are designed to be easy to sharpen. A sharp chain cuts efficiently and safely. A dull chain will produce fine sawdust instead of chips, require more force, and can cause kickback. Use a round file of the correct diameter (typically 4.0mm or 5/32" for 3/8LP chains) and a flat file for the depth gauges. Maintain the correct filing angles as specified by the chain manufacturer.

### 7.2. Guide Bar Maintenance

- **Clean Groove:** Regularly clean the guide bar groove to remove sawdust and debris that can impede chain movement and oil flow.
- **Check for Burrs:** File off any burrs that form on the guide bar rails.
- **Flip Bar:** Periodically flip the guide bar to ensure even wear on both sides.
- **Lubricate Sprocket (if applicable):** If your guide bar has a nose sprocket, ensure it is lubricated

regularly with a grease gun.

## 8. TROUBLESHOOTING

Common issues related to chainsaw chains and guide bars:

- **Chain Not Cutting Efficiently:** Likely a dull chain. Sharpen or replace the chain.
- **Chain Smoking:** Insufficient chain oil or dull chain. Check oil reservoir, oiler function, and chain sharpness.
- **Chain Derailment:** Incorrect chain tension (too loose), worn guide bar, or incorrect chain/bar combination. Check tension, inspect guide bar for wear, and verify compatibility.
- **Uneven Cut:** One side of the chain is duller than the other, or the guide bar rails are unevenly worn. Sharpen chain evenly or inspect/replace guide bar.
- **Excessive Vibration:** Dull chain, incorrect chain tension, or damaged components. Inspect chain and guide bar.

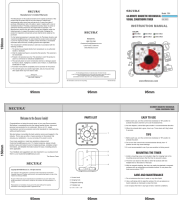




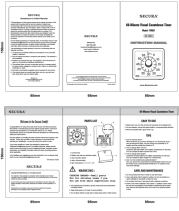
## 9. SPECIFICATIONS

| Feature                           | Specification                   |
|-----------------------------------|---------------------------------|
| Brand                             | Secura                          |
| Compatible Chainsaw Model         | Scheppach CSH46                 |
| Secura Reference Number           | 6588431                         |
| Number of Chains                  | 4                               |
| Chain Type                        | Semi-chisel                     |
| Chain Pitch                       | 3/8LP (Low Profile)             |
| Number of Drive Links             | 62                              |
| Chain Gauge                       | 1.3mm (.050 inches)             |
| Guide Bar Length (Cutting Length) | 45cm (18 inches)                |
| Guide Bar Type                    | Laminated with riveted sprocket |

## 10. WARRANTY AND SUPPORT

Specific warranty information for this Secura Chainsaw Chain and Guide Set is not available in the provided product data. For warranty claims or technical support, please contact your retailer or the manufacturer directly using the contact information provided at the point of purchase.

## Related Documents - CSH46 (Compatible Chainsaw Model)

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|---|---|
|    | <p><a href="#">Secura T764 60-Minute Magnetic Mechanical Visual Countdown Timer - Instruction Manual</a></p> <p>Official instruction manual for the Secura T764 60-Minute Magnetic Mechanical Visual Countdown Timer. Learn how to use, mount, and care for your timer. Includes warranty information and product details.</p>  |
|    | <p><a href="#">Secura F280R Automatic Milk Frother and Hot Chocolate Maker Instruction Manual</a></p> <p>Comprehensive instruction manual for the Secura F280R Automatic Milk Frother and Hot Chocolate Maker. Covers safety guidelines, parts identification, operating instructions, cleaning and maintenance, troubleshooting, technical specifications, disposal, and warranty information.</p> |
|    | <p><a href="#">Secura SWK-1001DW Double Wall Electric Water Kettle User Instructions</a></p> <p>User manual and operating instructions for the Secura SWK-1001DW Double Wall Electric Water Kettle. Includes safety precautions, parts description, operating guide, cleaning, troubleshooting, technical specifications, and warranty information.</p>   |
|  | <p><a href="#">Secura TM034 60-Minute Countdown Visual Timer - Instruction Manual and Warranty</a></p> <p>Official instruction manual and limited warranty details for the Secura TM034 60-Minute Countdown Visual Timer. Learn how to set, use, pause, and clean your Secura timer.</p>  |
|  | <p><a href="#">SECURA V-470 Automatic Soap Dispenser User Manual and Warranty</a></p> <p>Comprehensive user manual for the SECURA V-470 automatic soap dispenser, covering features, installation, technical specifications, troubleshooting, cleaning, and manufacturer's limited warranty.</p>  |
|  | <p><a href="#">Secura 60-Minute Visual Countdown Timer (Model TM021) - Instruction Manual</a></p> <p>Instruction manual for the Secura 60-Minute Visual Countdown Timer (Model TM021). Covers setup, usage, parts list, tips, care instructions, and warranty information.</p>  |