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Secura 6695012

SECURA Chainsaw Chains Instruction Manual

Model: 6695012 (Compatible with Ferrex SCS4040 Chainsaws)

Introduction Safety Product Overview Chain Identification Installation Maintenance Specifications

1. Introduction

This manual provides essential instructions for the proper identification, installation, and maintenance of SECURA square-gouge chainsaw chains. These chains are designed for compatibility with the Ferrex SCS4040 chainsaw model, featuring a 40cm cutting length, 3/8LP pitch, 56 drive links, and a 1.3mm gauge. Adhering to these guidelines will ensure safe operation and extend the lifespan of your chainsaw chains.

2. Important Safety Information

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

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, hearing protection, and sturdy footwear.
- Ensure the chainsaw is turned off and the spark plug cap is disconnected (for petrol models) or the battery is removed (for electric/cordless models) before performing any maintenance or chain replacement.
- Handle chainsaw chains with care; they are sharp and can cause cuts.
- Use only chains that are correctly matched to your chainsaw's bar length, pitch, gauge, and number of drive links. Incorrect chains can lead to poor performance or dangerous kickback.
- Refer to your chainsaw's original instruction manual for specific safety warnings and procedures related to chain replacement and operation.

3. Product Overview

This product includes a set of four (4) SECURA square-gouge chainsaw chains. These chains are designed for high performance and durability, suitable for various cutting tasks when used with compatible chainsaws.



Figure 3.1: Four SECURA chainsaw chains. The image highlights the key specifications: 3/8" LP Pitch, 56 Drive Links, and 1.3 mm Gauge.

Key Features:

- **Type:** Square-gouge chain for efficient cutting.
- **Compatibility:** Specifically designed for Ferrex SCS4040 chainsaws.
- **Cutting Length:** 40cm (approx. 16 inches).
- **Pitch:** 3/8" LP (Low Profile).
- **Drive Links:** 56.
- **Gauge:** 1.3mm (.050").
- **Quantity:** 4 chains per pack.

4. Identifying Your Chainsaw Chain

It is crucial to correctly identify the specifications of your existing chainsaw chain or guide bar to ensure compatibility with replacement chains. Chainsaw chains are defined by four main parameters: cutting length, pitch, drive links, and gauge.

4.1. Measuring Cutting Length

The cutting length refers to the usable length of the guide bar, measured from the chainsaw's housing to the tip of the bar. This is not the total length of the chain itself.

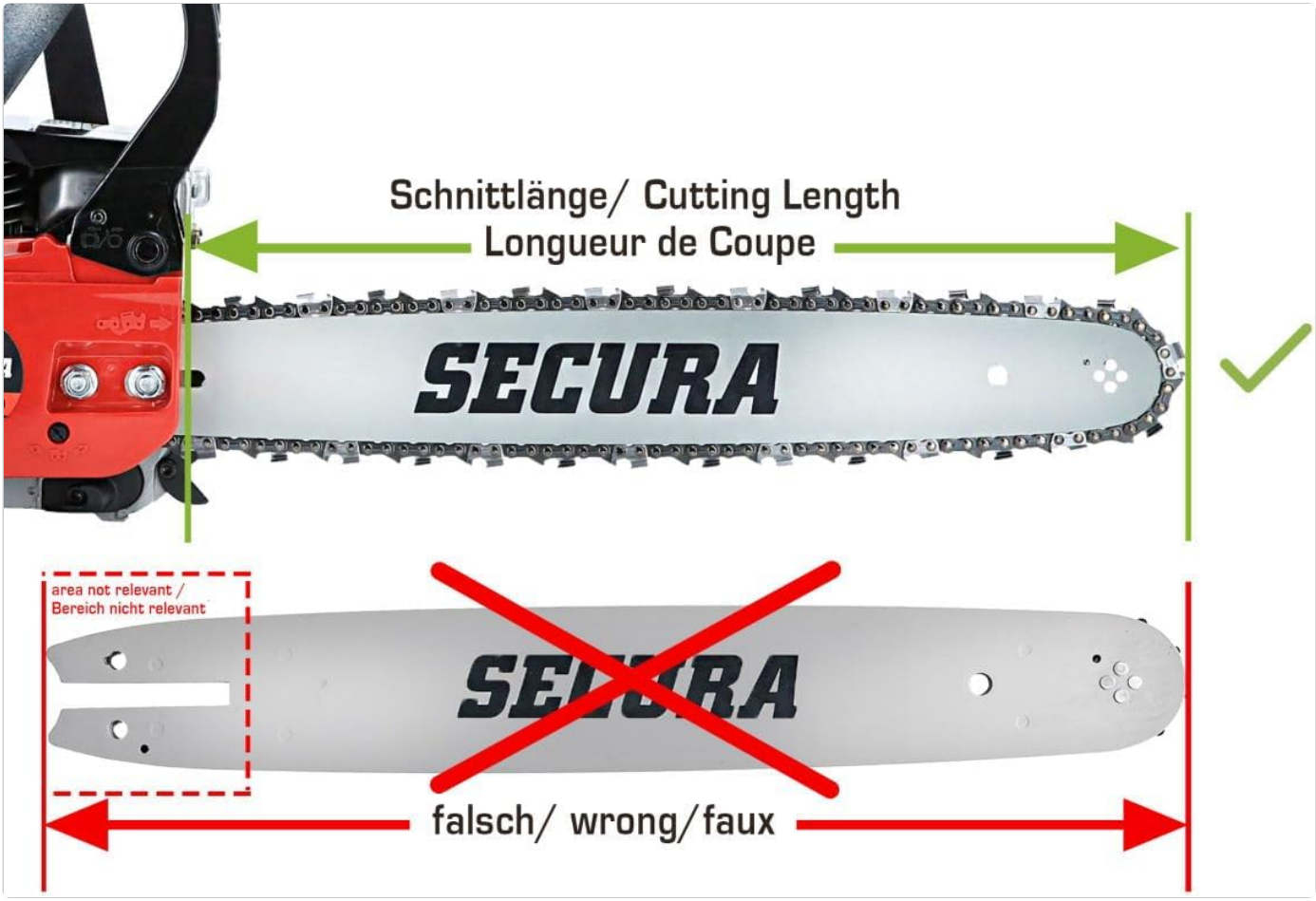


Figure 4.1: Correct method for measuring the cutting length of a chainsaw. Measure from the chainsaw body to the tip of the guide bar. Do not measure the entire length of the guide bar.

4.2. Measuring Pitch, Drive Links, and Gauge

These three parameters are critical for chain compatibility and safe operation.

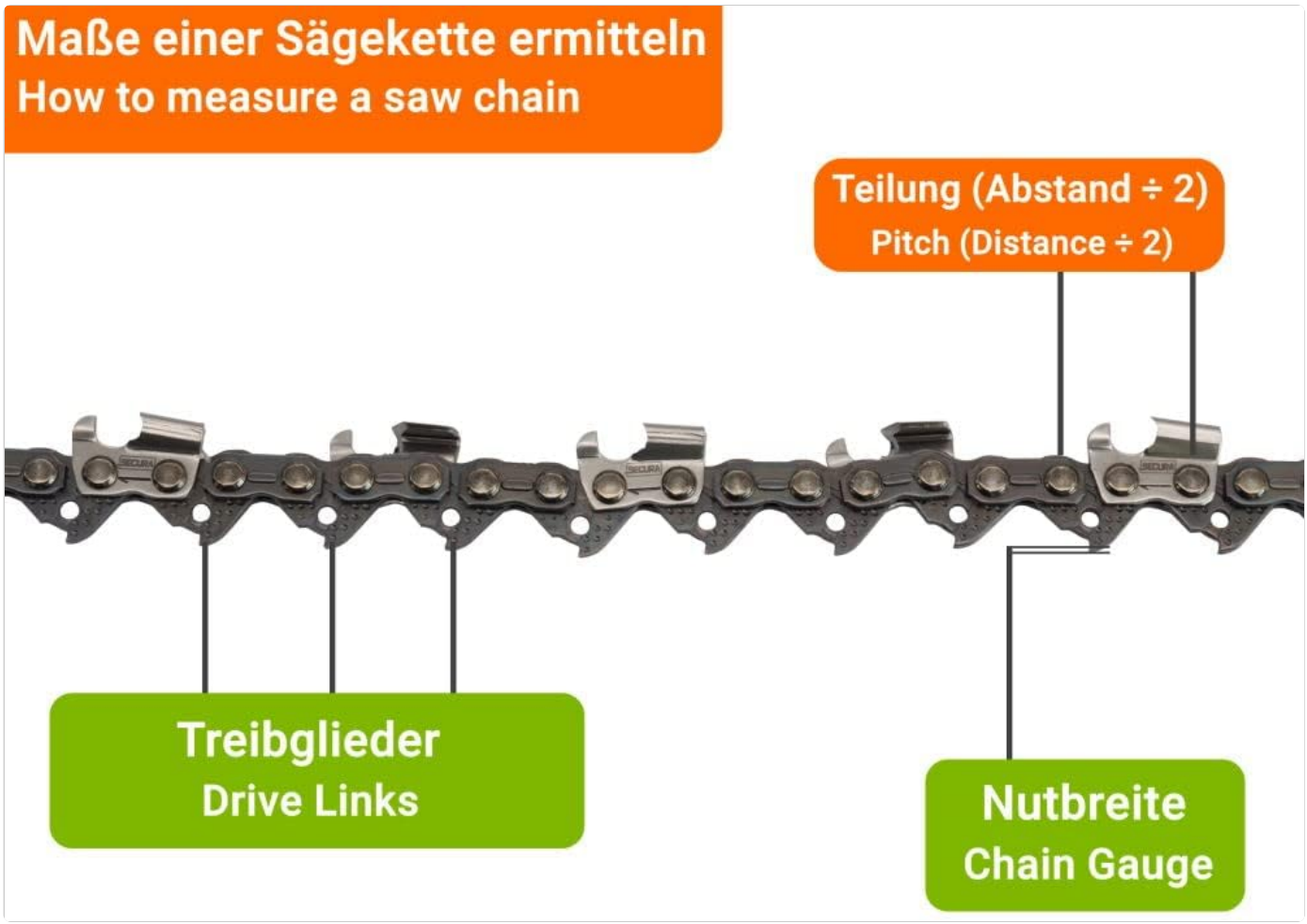


Figure 4.2: Illustration of chainsaw chain measurements. **Drive Links** are the teeth on the underside of the chain that fit into the guide bar groove. **Pitch** is the distance between three consecutive rivets divided by two. **Chain Gauge** is the thickness of the drive links, which must match the width of the guide bar groove.

- **Drive Links:** Count the number of drive links (the small teeth on the underside of the chain that sit in the guide bar groove). This is the most reliable way to determine chain length.
- **Pitch:** The pitch is the distance between three consecutive rivets divided by two. Common pitches include 3/8" LP (Low Profile), .325", and 3/8".
- **Gauge:** The gauge is the thickness of the drive links. It must match the width of the groove in your guide bar. Common gauges include 1.1mm (.043"), 1.3mm (.050"), 1.5mm (.058"), and 1.6mm (.063").

Note: Always verify all four parameters (cutting length, pitch, drive links, and gauge) before purchasing or installing a new chain to ensure perfect compatibility and safe operation.

5. Installation

Refer to your chainsaw's specific instruction manual for detailed chain installation procedures. The following is a general guide:

1. **Prepare Chainsaw:** Ensure the chainsaw is off, cooled down, and the spark plug cap is disconnected or battery removed. Engage the chain brake.
2. **Remove Old Chain:** Loosen the bar nuts and remove the clutch cover. Carefully remove the old chain and guide bar.
3. **Clean:** Clean the guide bar groove, sprocket, and clutch area of any sawdust or debris.
4. **Install New Chain:** Place the new SECURA chain onto the sprocket, ensuring the cutting edges face the correct direction (usually forward on the top of the bar).
5. **Mount Guide Bar:** Fit the guide bar over the chain and the bar studs. Ensure the drive links sit correctly in the guide

bar groove.

6. **Replace Clutch Cover:** Reinstall the clutch cover and hand-tighten the bar nuts.
7. **Adjust Chain Tension:** Adjust the chain tension screw until the chain is snug against the bottom of the guide bar, but can still be pulled freely by hand. There should be no slack on the underside of the bar. The drive links should not come out of the bar groove.
8. **Tighten Bar Nuts:** Fully tighten the bar nuts. Recheck chain tension after tightening.
9. **Final Check:** Reconnect the spark plug cap or insert the battery. Briefly run the chainsaw at low speed to allow the chain to seat, then recheck and adjust tension if necessary. A new chain may stretch slightly during initial use.

6. Maintenance

Regular maintenance is essential for optimal performance and safety of your chainsaw chains.

- **Chain Tension:** Check chain tension frequently, especially during the first hour of operation with a new chain. Adjust as needed. A properly tensioned chain should not sag on the underside of the bar but should still be able to be pulled around the bar by hand.
- **Sharpening:** Keep the chain sharp. A dull chain increases effort, causes excessive wear, and can be dangerous. Sharpen the chain regularly using a round file of the correct diameter for your chain's pitch (refer to your chainsaw manual or chain manufacturer's recommendations). The SECURA square-gouge chains are designed to be easy to sharpen.
- **Lubrication:** Ensure your chainsaw's automatic oiler is functioning correctly and that the bar and chain are adequately lubricated during operation. Use appropriate bar and chain oil.
- **Cleaning:** Periodically remove the chain and guide bar for thorough cleaning. Remove sawdust, resin, and debris from the guide bar groove and oil holes.
- **Inspection:** Inspect the chain for damaged or worn links, cracks, or excessive stretch. Replace the chain if any significant damage is found.

7. Troubleshooting Common Issues

Issue	Possible Cause	Solution
Chain not cutting efficiently	Dull chain, incorrect chain tension, insufficient lubrication.	Sharpen chain, adjust tension, check oiler and oil level.
Chain smoking or overheating	Insufficient lubrication, incorrect chain tension (too tight), dull chain.	Check oiler, adjust tension, sharpen chain.
Chain coming off the bar	Incorrect chain tension (too loose), worn guide bar, worn sprocket.	Adjust tension, inspect and replace guide bar or sprocket if worn.
Excessive vibration	Damaged chain links, unevenly sharpened chain, worn sprocket.	Inspect chain for damage, re-sharpen evenly, replace sprocket if worn.

8. Specifications

Feature	Specification
Product Name	SECURA Chainsaw Chains (Square-Gouge)
Model Number (Chain Set)	6695012

Feature	Specification
Compatible Chainsaw Model	Ferrex SCS4040
Cutting Length	40cm (approx. 16 inches)
Chain Pitch	3/8" LP (Low Profile)
Number of Drive Links	56
Chain Gauge	1.3mm (.050")
Chain Type	Square-Gouge
Quantity	4 Chains

9. Warranty and Support

For information regarding warranty coverage, product support, or to purchase additional accessories, please refer to the official SECURA website or contact your retailer. Keep your purchase receipt as proof of purchase.
Manufacturer: SECURA
Part Number: 6695012

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