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Stihl 3005 000 3905

STIHL Picco Narrow Rollomatic Chain Saw Bar Instruction Manual

Model: 3005 000 3905 (12-Inch)

Introduction

This manual provides essential information for the proper use, installation, maintenance, and care of your STIHL Picco Narrow Rollomatic Chain Saw Bar. Adhering to these instructions will ensure optimal performance and extend the lifespan of your product. Please read this manual thoroughly before using the chain saw bar.

The STIHL Picco Narrow Rollomatic Chain Saw Bar is engineered for precision and durability, designed to work seamlessly with compatible STIHL chainsaws.

Product Overview

The STIHL Rollomatic chain saw bar is constructed from three electrically welded metal plates, with the middle plate largely hollowed out. This design provides excellent stability while maintaining a very low weight, making it ideal for various applications including harvesting thin wood, trimming, forestry, and heavy-duty felling. It is suitable for chain saws with an output up to 3.5kW.

Image: A selection of STIHL Rollomatic guide bars, showcasing the range of designs and lengths available within the Rollomatic family.

Key Features:

- **12-Inch Length:** Provides a versatile cutting length for various tasks.
- **3/8 Pitch:** Standard pitch for compatibility with many chainsaw chains.
- **Groove Width 1.1 Millimeter:** Ensures proper chain fit and operation.
- **Wear-Resistant Steel:** Constructed from high-quality, durable steel for extended product life.
- **STIHL Quality Standards:** Engineered and manufactured to STIHL's strict quality control standards in their own factories.

Image: A detailed view of a STIHL Rollomatic E guide bar, highlighting its construction and printed specifications.

Setup and Installation

Proper installation of the guide bar is crucial for safe and efficient chainsaw operation. Always refer to your chainsaw's specific instruction manual for detailed steps on guide bar and chain installation, as procedures may vary slightly between models.

General Installation Steps:

1. **Safety First:** Ensure the chainsaw engine is off and the spark plug cap is removed (for gasoline models) or the battery is removed (for electric/cordless models) before beginning any work.
2. **Cleanliness:** Clean the guide bar mounting area on the chainsaw and the guide bar groove to remove any sawdust or debris.
3. **Mounting:** Place the guide bar onto the chainsaw's guide bar studs. Ensure the oil holes on the bar align with the oil outlet on the chainsaw.
4. **Chain Installation:** Carefully fit the chain around the guide bar, ensuring the drive links sit correctly in the bar's groove and the cutting teeth are oriented in the correct direction.
5. **Tensioning:** Install the clutch cover and lightly tighten the nuts. Adjust the chain tension according to your chainsaw's manual. The chain should be snug but still able to be pulled freely around the bar by hand.
6. **Final Tightening:** Once tension is set, fully tighten the clutch cover nuts.

Compatibility Note: This 12-inch Picco Narrow Rollomatic bar is designed for chains with a 3/8" pitch and 1.1mm (0.043") groove width. Ensure your chain matches these specifications for proper fit and function.

Operating Guidelines

While the guide bar itself does not operate, its proper function is integral to the chainsaw's performance. Always follow the operating instructions provided with your chainsaw.

Important Considerations:

- **Chain Lubrication:** Ensure your chainsaw's automatic oiler is functioning correctly and that the bar and chain are receiving adequate lubrication during operation. Insufficient lubrication can lead to premature wear of both the bar and chain.
- **Chain Tension:** Regularly check and adjust chain tension. A chain that is too loose can derail, while a chain that is too tight can cause excessive wear on the bar and sprocket nose, and reduce cutting efficiency.
- **Cutting Technique:** Use proper cutting techniques to minimize stress on the guide bar. Avoid twisting the bar in the cut or forcing the saw.
- **Sprocket Nose:** The sprocket nose at the tip of the bar helps guide the chain smoothly. Ensure it rotates freely and is not clogged with debris.

Maintenance

Regular maintenance of your guide bar will significantly extend its service life and ensure consistent performance.

Maintenance Procedures:

- **Daily Cleaning:** After each use, remove the guide bar and clean the groove with a bar groove cleaner. Remove any sawdust, pitch, or debris that can impede chain movement or oil flow.
- **Check for Wear:** Inspect the guide bar rails for wear, burrs, or unevenness. Uneven wear can cause the chain to run crooked, leading to poor cutting performance and accelerated wear.
- **Dress the Rails:** If burrs develop on the guide bar rails, file them smooth with a flat file. This helps maintain proper

chain alignment.

- **Sprocket Nose Lubrication (if applicable):** Some guide bars have a grease fitting on the sprocket nose. If yours does, lubricate it regularly with a grease gun designed for chainsaw bars.
- **Bar Flipping:** To promote even wear, flip the guide bar over periodically (e.g., every time you sharpen the chain or replace it). This distributes wear more evenly on both sides of the bar.
- **Storage:** When not in use, store the guide bar in a clean, dry place, ideally with a bar cover to protect it.

Note: The STIHL Rollomatic bar is made of wear-resistant steel, but proper maintenance is still essential to prevent premature wear.

Troubleshooting

Most issues related to the guide bar can be resolved with proper cleaning, maintenance, and correct installation. If you encounter problems, consider the following:

- **Chain Not Oiling:**
  - Check if the oil holes on the guide bar are clear and aligned with the chainsaw's oil outlet.
  - Ensure the chainsaw's oil tank is filled and the oil pump is functioning.
- **Chain Derailment:**
  - Verify correct chain tension.
  - Inspect the guide bar groove for excessive wear or damage that might allow the chain to jump out.
  - Ensure the chain pitch and groove width match the bar's specifications.
- **Uneven Cutting / Crooked Cut:**
  - Check for uneven wear on the guide bar rails. Dress the rails if necessary.
  - Ensure the chain cutters are sharpened evenly.
- **Excessive Heat / Smoke from Bar:**
  - Indicates insufficient lubrication or incorrect chain tension.
  - Clean the bar groove and oil holes.
  - Adjust chain tension.

If problems persist after performing these checks, consult a qualified STIHL service technician.

Specifications

Attribute	Value
Brand	Stihl
Model Number	3005 000 3905
Size	12-Inch (30 cm)
Pitch	3/8"
Groove Width	1.1 mm (0.043")
Material	Alloy Steel

Item Weight	0.86 Pounds (approx. 13.8 ounces)
Product Dimensions (L x W x H)	2.76" x 0.39" x 17.32"
UPC	795711122089

Warranty and Support

For information regarding the warranty of your STIHL Picco Narrow Rollomatic Chain Saw Bar, please refer to the warranty documentation provided with your original purchase or visit the official STIHL website. Warranty terms and conditions may vary by region and product.

For technical support, service, or genuine STIHL replacement parts, please contact your authorized STIHL dealer or visit the official STIHL support page:

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Image: The official STIHL logo, representing the brand's commitment to quality and service.

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