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Bahco 168-Combi-4.0-6922

Bahco Chain Saw Files Set and Filing Guide User Manual

Model: 168-Combi-4.0-6922

1. INTRODUCTION

The Bahco Chain Saw Files Set and Filing Guide is designed to provide precise and efficient sharpening for your chainsaw. This comprehensive kit includes two 8-inch round files and one 6-inch flat file, along with a filing guide that ensures accurate sharpening angles. The ergonomic two-component handle offers a comfortable and secure grip, minimizing effort during use.

Key Features:

- Combination pack with two 8" Round and one 6" Flat Chain saw files.
- Filing guide for more accurate and consistent sharpening.
- Comfortable two-component handle for excellent grip and reduced fatigue.

2. PACKAGE CONTENTS AND OVERVIEW

Before beginning, ensure all components are present and undamaged. The package contains the following items:

- 2 x 8-inch Round Chain Saw Files
- 1 x 6-inch Flat Chain Saw File
- 1 x Filing Guide with ergonomic handle



Figure 2.1: Bahco Chain Saw Files Set and Filing Guide as packaged. This image shows the complete set including the round files, flat file, and the filing guide with its ergonomic handle, all secured within their retail packaging.

3. SETUP AND PREPARATION

Proper setup is crucial for effective and safe chain sharpening. Always wear appropriate personal protective equipment, including gloves and eye protection, before handling chainsaw chains or sharpening tools.

1. **Secure the Chainsaw:** Ensure the chainsaw is turned off, the spark plug cap is removed (for gasoline models), and the chain brake is engaged. Secure the guide bar in a vise or other stable fixture to prevent movement during sharpening.
2. **Identify Chain Pitch:** Determine the pitch of your chainsaw chain. This information is usually stamped on the guide bar or found in your chainsaw's manual. The filing guide is designed for specific chain pitches, so ensure compatibility.
3. **Select the Correct Round File:** Choose the appropriate round file size (e.g., 4.0 mm for 3/8" Low Profile chains) that matches your chain's pitch. The Bahco set includes files suitable for common chain sizes.
4. **Assemble the Filing Guide:** Insert the selected round file into the filing guide. The guide is designed to hold the file at the correct angle and depth for sharpening the cutting teeth. Ensure the file is securely seated.

4. OPERATING INSTRUCTIONS: SHARPENING THE CHAIN

Follow these steps to sharpen your chainsaw chain effectively using the Bahco filing guide:

1. **Position the Filing Guide:** Place the filing guide over the top plate and depth gauge of the cutting tooth you wish to sharpen. The guide's markings will help align the file at the correct 25-30 degree sharpening angle relative to the guide bar.
2. **Sharpen Cutting Teeth:** Using firm, even strokes, push the round file through the cutting tooth. Only sharpen on the forward stroke; lift the file slightly on the return stroke to prevent dulling. Apply consistent pressure. Sharpen all teeth on one side of the chain, then rotate the chainsaw and sharpen the teeth on the other side. Maintain the same number of strokes for each tooth to ensure even length.
3. **Check Depth Gauges:** After sharpening all cutting teeth, inspect the depth gauges (also known as rakers). These control the depth of cut. If the depth gauges are too high, the chain will not cut efficiently. Use the flat file and the depth gauge setting tool on the filing guide to file down the depth gauges.
4. **File Depth Gauges:** Place the flat file on the depth gauge setting tool, aligning it with the depth gauge. File the depth gauge until it is flush with the top of the setting tool. Be careful not to file the depth gauge too low, as this can cause the chain to grab or kick back.
5. **Remove Burrs:** After filing, use the flat file to gently remove any burrs that may have formed on the top plate or depth gauge.
6. **Repeat for All Teeth:** Continue this process for every cutting tooth and its corresponding depth gauge on the chain.

For optimal performance, sharpen your chain regularly and consistently. A sharp chain is safer and more efficient.

5. MAINTENANCE AND CARE

Proper maintenance extends the life of your Bahco Chain Saw Files Set and Filing Guide:

- **Cleaning Files:** After each use, clean the files with a wire brush to remove metal filings and debris. This prevents clogging and maintains filing efficiency.
- **Storage:** Store the files and filing guide in a dry place to prevent rust. The original packaging or a tool roll is ideal for protecting the files from damage and keeping them organized.
- **Inspection:** Periodically inspect the files for wear. Worn or dull files will not sharpen effectively and should be replaced. The filing guide should also be checked for any damage that might affect its accuracy.

6. TROUBLESHOOTING

If you encounter issues while using your Bahco Chain Saw Files Set, consider the following:

Problem	Possible Cause	Solution
Chain not sharpening effectively.	Dull or incorrect file size; improper filing angle; worn depth gauges.	Replace files; ensure correct file size for chain pitch; verify filing angle with guide; adjust depth gauges.
Chain grabs or kicks back.	Depth gauges filed too low.	This indicates excessive material removal. A new chain or professional sharpening may be required. Always file depth gauges carefully.
Files clog quickly.	Accumulation of metal particles.	Clean files regularly with a wire brush during and after use.

7. SPECIFICATIONS

Attribute	Detail
Model Number	168-Combi-4.0-6922 (Manufacturer Part Number: 7311518209612)
File Sizes Included	Two 8" Round Files, One 6" Flat File
Round File Diameter	4.0 mm (for specific chain pitches)
Handle Material	Plastic (Two-component ergonomic design)
Power Source	Manual
Item Weight	5.6 ounces
Product Dimensions	15 x 10 x 10 inches (packaging dimensions)

8. WARRANTY AND SUPPORT

Bahco products are manufactured to high standards. For information regarding product warranty, returns, or technical support, please contact Bahco directly through their official website or authorized distributors. Keep your purchase receipt as proof of purchase.

For further assistance, visit the official Bahco website: www.bahco.com