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Stihl 7010 871 0398

Stihl Replacement File Instruction Manual

Model: 7010 871 0398

For 3/8" Chainsaw Chains, Pack Of 3

Introduction

This manual provides detailed instructions for the proper use and maintenance of your Stihl 7010 871 0398 Replacement Files. These files are specifically designed for sharpening 3/8" chainsaw chains, ensuring optimal cutting performance and longevity of your equipment. Proper file selection and technique are crucial for effective chain sharpening.

Identifying the Correct File Size

Selecting the correct file size is paramount for effective chainsaw chain sharpening. Using an incorrect size can lead to improper sharpening angles, reduced cutting efficiency, and potential damage to the chain.

1. **Check the Chainsaw Bar:** Many chainsaw bars have markings that indicate the recommended file size for the chain. Look for etched or printed information directly on the guide bar, often near the engine housing. For Stihl chainsaws, this might be indicated as "3/8 P" for 3/8 PICO chains.
2. **Consult Original Chain Packaging:** If you still have the original packaging for your chainsaw chain, it will typically display an icon or text indicating the required file size. This information is often presented in both imperial (e.g., 13/64") and metric (e.g., 5.2mm) measurements.



Figure 1: Close-up of Stihl file packaging. Note the file size icon (e.g., 13/64" or 5.2mm) and other chain specifications. The UPC is 0886661383115.

3. **Trial and Error (If markings are absent):** If no markings are visible on the bar or packaging, you may need to test different file sizes. The correct file should fit snugly and precisely into the round cutting edge (gullet) of the chain's tooth, allowing it to sharpen both the top plate and the side plate simultaneously.



Figure 2: A Stihl 2-in-1 Easy File Chainsaw Chain Sharpener, which uses the appropriate file size for efficient sharpening.

For these Stihl Replacement Files (Model 7010 871 0398), the size is 7 7/8 x 13/64". These are suitable for 3/8" pitch chains, commonly found on smaller Stihl chainsaw models such as MS 311, MS 391, MS E 250 C B-Q, MS 362, MS 362 RC-M, MS 362 C-M, MS 362 C-MQ, MS 441 RC-M, MS 441 C-M, MS 441 C-MQ, MS 461 R, MS 461, MS 661 C-M, and MS 661 R C-M.

Operating Instructions: Sharpening Your Chainsaw Chain

Once the correct file size is identified, follow these general steps for sharpening:

1. **Secure the Chainsaw:** Place the chainsaw securely in a vise or on a stable surface to prevent movement during sharpening.
2. **Identify the Starting Tooth:** Mark one tooth with a marker to indicate your starting point and ensure you sharpen all teeth evenly.
3. **Position the File:** Insert the file into the cutting edge of the tooth. The file should fit precisely into the round gullet of the tooth. Ensure the file is held at the correct sharpening angle (typically marked on the chain or guide).
4. **Sharpen the Tooth:** Apply firm, even pressure and push the file away from you in a smooth stroke. Lift the file on the return stroke. Repeat 3-5 times per tooth, or until the cutting edge is sharp and free of burrs. Maintain a consistent angle for each tooth.
5. **Alternate Sides:** Sharpen all teeth facing one direction, then rotate the chainsaw or move to the other side to sharpen the teeth facing the opposite direction.
6. **Check Rakers (Depth Gauges):** After sharpening the cutting teeth, check the depth gauges (rakers). These small projections in front of each cutting tooth control the depth of cut. If they are too high, the chain will not cut effectively. Use a depth gauge tool and a flat file to lower them if necessary, ensuring they are flush with the tool.



Figure 3: Stihl 7010 871 0398 Replacement Files, designed for precise sharpening.

Maintenance of Files

To ensure the longevity and effectiveness of your Stihl replacement files:

- **Clean Regularly:** Use a wire brush to remove metal filings and debris from the file teeth after each use. This prevents clogging and maintains cutting efficiency.
- **Store Properly:** Store files in their original packaging or a dedicated tool roll to protect them from moisture and other tools that could dull their edges.
- **Replace When Dull:** Files will eventually wear out and become dull. A dull file will not sharpen effectively and can damage the chain. Replace files when they no longer cut aggressively.

Troubleshooting Common Sharpening Issues

Problem	Possible Cause	Solution
Chain not cutting efficiently after sharpening	Incorrect file size; inconsistent sharpening angle; rakers too high.	Verify file size using bar/packaging markings. Ensure consistent angle. Adjust rakers.
Chain pulls to one side	Uneven sharpening of teeth on one side compared to the other.	Re-sharpen, paying close attention to applying equal strokes and pressure to all teeth.
File slips or doesn't bite	File is dull or clogged with debris.	Clean the file with a wire brush. Replace the file if it remains dull.

Specifications

- **Brand:** Stihl
- **Model Number:** 7010 871 0398
- **UPC:** 680063896415
- **Product Dimensions:** 7.3 x 1.5 x 0.2 inches
- **Item Weight:** 3.7 ounces
- **File Size:** 7 7/8 x 13/64" (5.2mm)
- **Quantity:** Pack of 3
- **Compatibility:** Designed for STIHL 3/8" Chainsaw Chains, including models MS 311, MS 391, MS E 250 C B-Q, MS 362, MS 362 RC-M, MS 362 C-M, MS 362 C-MQ, MS 441 RC-M, MS 441 C-M, MS 441 C-MQ, MS 461 R, MS 461, MS 661 C-M, MS 661 R C-M.

Warranty and Support

For specific warranty information or technical support regarding your Stihl Replacement Files, please refer to the official Stihl website or contact an authorized Stihl dealer. Keep your purchase receipt for warranty claims.

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