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› [Oregon](#) /

› [OREGON 70511 4.5mm by 8-Inch Round Saw File, 12-Pack Round File 11/64 Inch \(4.5 mm\) Instruction Manual](#)

Oregon 70511

OREGON 70511 4.5mm by 8-Inch Round Saw File Instruction Manual

Model: 70511

Brand: Oregon

PRODUCT OVERVIEW

The OREGON 70511 Round Saw File is designed for precision sharpening of chainsaw chains. This 12-pack includes files with a 4.5mm (11/64 inch) diameter, suitable for specific chain sizes. Each file features a Swiss double-cut design, engineered for efficient material removal and a superior cutting edge. The manufacturing process ensures uniform file diameter, tooth height, and optimal hardening for consistent performance and durability.



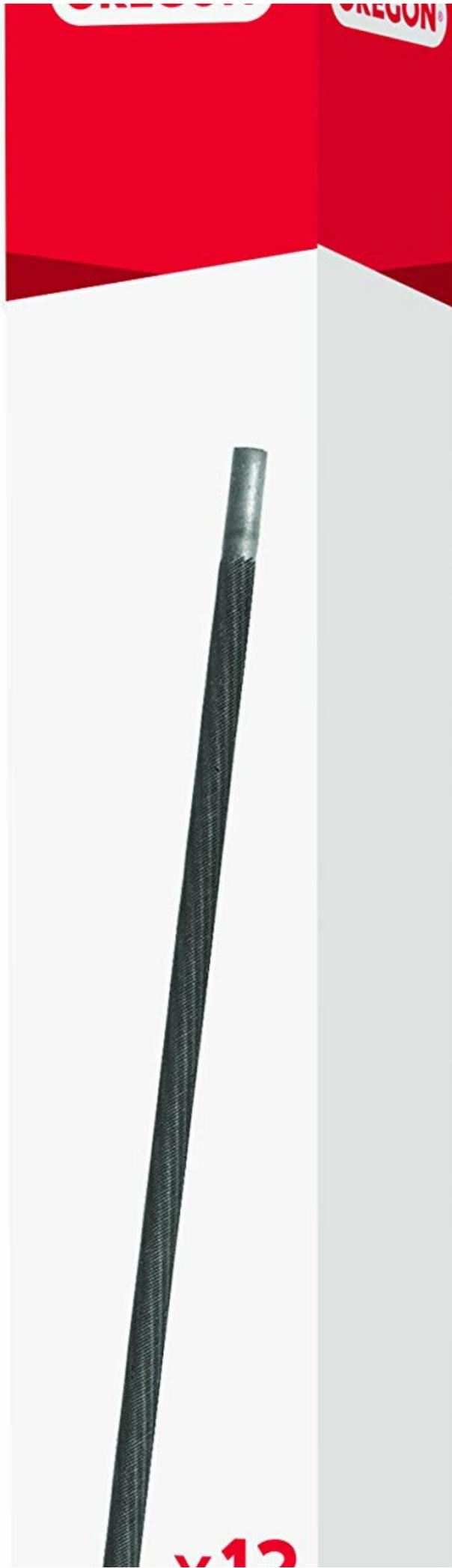




Image: A box containing twelve OREGON 70511 4.5mm round saw files. One file is shown prominently outside the box, illustrating its design and size. The packaging is red and white, featuring the OREGON logo.

KEY FEATURES

- **Swiss double-cut file design:** Engineered with precision cutting-teeth and fewer teeth per inch compared to competitive files, ensuring efficient and clean sharpening.
- **Precision centerless grind:** Contributes to the file's uniform diameter and consistent performance.
- **Uniform file diameter and tooth height:** Guarantees consistent sharpening results across the entire length of the file.
- **Uniform tang length:** Designed without burrs or sharp edges for comfortable and safe handling.
- **State-of-the-art manufacturing processes:** Ensures uniform, optimum hardening and high-quality finishing, including sandblasting and demagnetizing, for extended tool life.

SETUP

Before beginning any sharpening task, ensure you have a stable work surface and proper lighting. Always wear appropriate personal protective equipment, including safety glasses and gloves, to prevent injury from metal shavings or accidental slips.

1. **Secure the Chainsaw:** Place the chainsaw on a firm, flat surface. Engage the chain brake to prevent accidental chain movement.
2. **Identify Correct File Size:** Confirm that the OREGON 70511 file (4.5mm or 11/64 inch) matches the recommended file size for your chainsaw chain. This information is typically found in your chainsaw's owner's manual or stamped on the chain itself.
3. **Clean the Chain:** Remove any dirt, sawdust, or debris from the chain cutters. A clean chain allows for more effective sharpening.

OPERATING INSTRUCTIONS: CHAINSAW CHAIN SHARPENING

Proper sharpening technique is crucial for maintaining the performance and safety of your chainsaw. The OREGON 70511 file is designed to sharpen the cutting teeth of your chain effectively.

1. **Locate the Shortest Cutter:** Begin sharpening with the shortest cutter on your chain. This ensures all cutters are sharpened to the same length.
2. **Position the File:** Place the round file into the gullet of the cutter, ensuring it rests on both the top plate and the side plate. The file should be held at the correct sharpening angle, which is typically marked on the top plate of the cutter (usually 25-35 degrees).
3. **Maintain Depth Gauge:** Ensure the file is positioned so that approximately 1/5th of its diameter is above the top plate of the cutter. This helps maintain the correct depth gauge setting.
4. **File Strokes:** Apply firm, even pressure with smooth, forward strokes. Lift the file off the cutter on the return stroke to prevent dulling the file. Perform 3-5 strokes per cutter, or until a sharp edge is achieved and burrs are visible on the opposite side.
5. **Sharpen All Cutters:** Sharpen all cutters on one side of the chain, then rotate the chainsaw and sharpen the cutters on the other side, ensuring you maintain the correct angle for each side.
6. **Check for Sharpness:** A properly sharpened cutter will have a clean, sharp edge without any flat spots or burrs. The burr created during filing should be removed by lightly filing the back of the cutter.
7. **Adjust Depth Gauges (Rakers):** After sharpening the cutters several times, the depth gauges (also known as rakers) may need to be filed down. Use a flat file and a depth gauge guide to ensure they are at the correct height. This is critical for proper chip removal and cutting performance.

Note: Consistent angle and pressure are key to achieving optimal sharpening results and extending the life of your chain.

MAINTENANCE

Proper maintenance of your OREGON 70511 files will ensure their longevity and effectiveness.

- **Cleaning:** After use, brush off any metal filings or debris from the file teeth using a file card or stiff brush. This prevents clogging and maintains cutting efficiency.
- **Storage:** Store files in a dry environment to prevent rust. Keep them separate from other tools to protect the cutting teeth from damage. The original packaging can serve as a suitable storage solution.
- **Inspection:** Periodically inspect files for wear. A worn file will not cut effectively and should be replaced to ensure proper sharpening.

TROUBLESHOOTING

If you encounter issues while sharpening, consider the following common problems and solutions:

- **Chain Not Getting Sharp:**

- *Possible Cause:* Incorrect file size or angle.
- *Solution:* Verify the file size (4.5mm / 11/64 inch) is correct for your chain. Ensure you are holding the file at the recommended sharpening angle for your chain.
- *Possible Cause:* Worn-out file.
- *Solution:* Replace the file with a new OREGON 70511 file.
- *Possible Cause:* Depth gauges (rakers) are too high.
- *Solution:* File down the depth gauges using a flat file and a depth gauge guide.

- **Chain Cuts Unevenly:**

- *Possible Cause:* Inconsistent number of strokes or pressure per cutter.
- *Solution:* Ensure you apply the same number of strokes and consistent pressure to each cutter. Start with the shortest cutter and sharpen all to the same length.
- *Possible Cause:* Incorrect sharpening angle on some cutters.
- *Solution:* Re-evaluate and correct your sharpening angle for each cutter.

SPECIFICATIONS

Manufacturer	Oregon
Part Number	70511
Item Model Number	70511
Size	Round File 11/64 Inch (4.5 mm)
Material	Alloy Steel
Shape	Round
Thickness	4.5 Millimeters
Item Package Quantity	1 (contains 12 files)
Item Weight	0.8 ounces (per file, approximate)
Product Dimensions	1.25 x 10 x 1 inches (packaging)
UPC	036577005803

WARRANTY INFORMATION

Oregon products are manufactured to high standards. For specific warranty details regarding your OREGON 70511 Round Saw Files, please refer to the official Oregon website or contact Oregon customer support. Keep your purchase receipt as proof of purchase.

SUPPORT

For further assistance, technical support, or to explore other Oregon products, please visit the official Oregon website:

[Visit the Oregon Store](#)

(Link directs to the Oregon brand store on Amazon, which may contain further support information or links to the official Oregon website.)

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This manual is for informational purposes only. Always follow safety guidelines and product instructions.