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Granberg G777

Granberg G777 Chainsaw Alaskan Small Log Mill Instruction Manual

Model: G777

For Chainsaw Bars 16-20 Inches

1. INTRODUCTION

This manual provides essential instructions for the safe and effective assembly, operation, and maintenance of your Granberg G777 Chainsaw Alaskan Small Log Mill. Please read all instructions thoroughly before use to ensure proper function and personal safety.

2. SAFETY INFORMATION

WARNING: Chainsaws and milling equipment can be dangerous. Always follow manufacturer safety guidelines for both your chainsaw and the mill. Failure to do so may result in serious injury or death.

2.1 Personal Protective Equipment (PPE)

- **Head Protection:** Wear a hard hat with a face shield.
- **Ear Protection:** Use ear muffs or earplugs to prevent hearing damage.
- **Eye Protection:** Wear safety glasses or goggles under your face shield.
- **Hand Protection:** Wear heavy-duty work gloves.
- **Leg Protection:** Always wear chainsaw chaps to protect against chain contact.
- **Foot Protection:** Wear sturdy work boots with steel toes.

2.2 General Safety Precautions

- Ensure all fasteners on the mill are securely tightened before each use.
- Operate the chainsaw at full RPM during milling to ensure clean cuts and prevent stalling.

- Use a ripping chain for optimal performance and smoother cuts when milling.
- Inspect logs for foreign objects (nails, rocks, etc.) and remove bark where cuts will be made to prevent damage to the chain and potential kickback.
- Use wedges to prevent the log from pinching the chainsaw bar during cuts. Insert wedges lightly to avoid altering the cut accuracy.
- Maintain a clear work area, free from obstructions and bystanders.
- Never operate the chainsaw mill under the influence of drugs or alcohol.

3. COMPONENTS AND WHAT'S IN THE BOX

The Granberg G777 Chainsaw Alaskan Small Log Mill includes the following main components and assembly hardware:

- Aircraft Aluminum Extrusion Frame
- Zinc-Plated Steel Brackets and Uprights
- Polycarbonate Safety Guard
- Handle Assembly
- All necessary nuts, bolts, and washers
- Allen wrench for assembly



Figure 1: Granberg G777 Chainsaw Alaskan Small Log Mill with all components.

Description: This image displays the complete Granberg G777 Chainsaw Alaskan Small Log Mill, showcasing its aluminum frame, steel uprights, handle, and the polycarbonate safety guard. All necessary hardware is included for assembly.

4. SETUP AND ASSEMBLY

The Granberg G777 mill is designed for easy assembly. Follow these steps to attach it to your chainsaw:

- 1. Attach Uprights:** Secure the vertical uprights to the main aluminum frame using the provided bolts and anti-loose nuts. Ensure large washers are used to prevent loosening during operation.
- 2. Install Handle:** Attach the handle to the mill frame. The handle is designed to slide, allowing for proper positioning during milling.
- 3. Mount to Chainsaw Bar:** The mill clamps onto your chainsaw bar without requiring drilling. Position the mill so that the chainsaw bar is centered between the mill's clamping brackets.
- 4. Secure Clamps:** Tighten the bolts on the clamping brackets to firmly secure the mill to the chainsaw bar. Use a small ratcheting torque wrench to ensure proper torque settings (10-12 lbs max) to avoid bending the saw bar. Ensure the chain is free to move and not touching any part of the mill.
- 5. Adjust Depth:** Use the marked inches and millimeters on the uprights to set your desired cutting thickness.
- 6. Install Safety Guard:** Attach the polycarbonate safety guard to the mill.



Figure 2: Close-up view of the mill's clamping mechanism, showing how it attaches to the chainsaw bar.

Description: This image provides a detailed view of the clamping mechanism, highlighting the bolts and brackets used to secure the mill to the chainsaw bar. Proper tightening is crucial for stability.



Figure 3: A rendered image showing the Granberg G777 mill fully assembled and attached to a chainsaw.

Description: This rendered image illustrates the complete assembly of the chainsaw mill, demonstrating how the mill frame integrates with the chainsaw for milling operations.

4.1 Assembly Video Guide

Video 1: VEVOR Portable Chainsaw Mill Assembly and Operation. This video demonstrates the step-by-step assembly process and initial operation of a similar portable chainsaw mill, providing visual

5. OPERATING INSTRUCTIONS

Milling lumber requires careful technique to achieve straight and even cuts. The Granberg G777 is designed for ease of use, but practice is recommended.

5.1 First Cut Setup

For the first cut, a guide rail system is essential to ensure a straight initial surface. This can be a dedicated rail system (e.g., Granberg Easy-Rails), an aluminum ladder, or a straight 2x8 board securely attached to the log.



Figure 4: A person operating the Granberg G777 mill on a log, utilizing a guide rail for the initial cut.

Description: This image shows the chainsaw mill in action, with an operator guiding it along a log. A guide rail is visible, illustrating its use for maintaining a straight cut.

5.2 Milling Technique

- **Start the Chainsaw:** Ensure the chainsaw is running at full RPM before engaging the chain with the wood.
- **Maintain Even Pressure:** Apply steady, even forward pressure on the mill. Avoid forcing the saw, as this can lead to stalling, poor cut quality, and damage to the chainsaw clutch. The saw should pull itself into the log.
- **Support the Powerhead:** When exiting a cut, especially at the end of the log, apply slight upward pressure on the upright handle to prevent the mill from dipping and creating an uneven finish.
- **Use Wedges:** As you progress through the cut, insert wooden or plastic wedges into the kerf (the cut opening) behind the chainsaw bar. This prevents the log from closing in and pinching the bar, which can cause kickback or chain damage.
- **Monitor Sawdust:** Observe the sawdust being produced. Consistent, fine sawdust indicates a good cut.

Large chips or excessive dust may indicate an issue with the chain or technique.

5.3 Operation Video Guides

Video 2: Alaskan Chainsaw Mill - How To. This comprehensive video provides detailed instructions and demonstrations on how to effectively use an Alaskan chainsaw mill for lumber production.

Video 3: Zosen Chainsaw Mill - New Design. This video showcases the operation of a chainsaw mill, demonstrating cutting techniques and the resulting lumber quality.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Granberg G777 mill and chainsaw.

- **Clean After Each Use:** Remove all sawdust and debris from the mill frame, clamps, and chainsaw.
- **Inspect Fasteners:** Periodically check all nuts and bolts for tightness. Re-tighten as necessary to prevent vibration and ensure structural integrity.
- **Chainsaw Maintenance:** Follow your chainsaw manufacturer's guidelines for chain sharpening, bar maintenance, and engine servicing. A sharp chain is crucial for efficient and safe milling.
- **Lubrication:** Ensure your chainsaw's bar and chain oil reservoir is full before each use.

7. TROUBLESHOOTING

If you encounter issues during milling, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Uneven cuts	Loose mill fasteners, dull chain, inconsistent feed rate, improper first cut guide.	Tighten all fasteners, sharpen chain, maintain steady feed, ensure first cut guide is straight and secure.
Chainsaw stalls frequently	Dull chain, forcing the saw, log pinching the bar, insufficient chainsaw power.	Sharpen chain, reduce feed pressure, use wedges, ensure chainsaw meets 50cc minimum requirement.
Chain smoking or overheating	Dull chain, insufficient lubrication, log pinching the bar.	Sharpen chain, check and refill bar oil, use wedges.

8. SPECIFICATIONS

- **Brand:** Granberg
- **Model:** G777
- **Power Source:** Hand Powered (requires chainsaw)
- **Chainsaw Bar Length Compatibility:** 16-20 inches
- **Cutting Width:** Up to 18 inches
- **Cutting Depth:** 1/2 inch to 13 inches
- **Minimum Chainsaw Engine Size:** 50cc
- **Material:** Aircraft Aluminum Extrusion & Zinc Plated Steel
- **Product Dimensions:** 20"L x 13"W x 4"H
- **Item Weight:** 1.76 ounces
- **UPC:** 012714547771
- **Manufacturer:** Granberg

9. SUPPORT AND WARRANTY

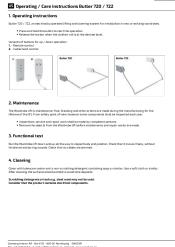
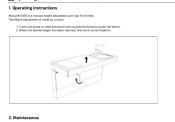
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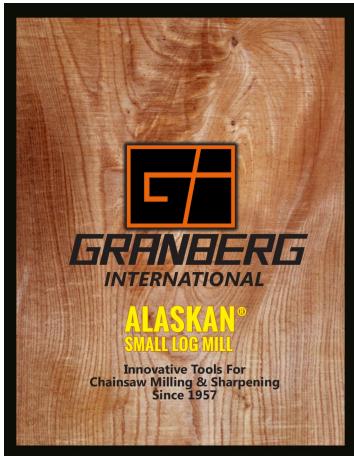
Videos and tutorials are available to assist users with product usage. Our support team consists of experts ready to help.

- **Online Resources:** Visit the official Granberg website for additional videos and tutorials.
- **Contact Support:** Refer to your product packaging or the Granberg website for contact information.

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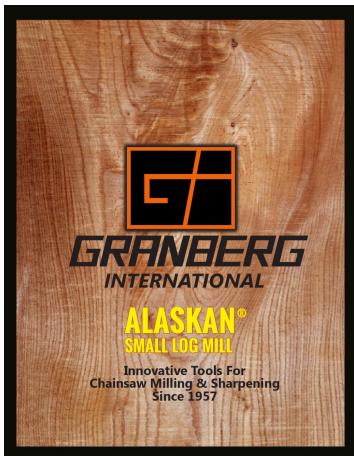
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	<p><u>Granberg 106.3710 Type B Welding Gloves - Technical Specifications and User Guide</u></p> <p>Detailed information on Granberg 106.3710 Type B welding gloves, including material, maintenance, safety standards (EN 388, EN 407, EN 12477), and usage guidelines for professional welders.</p>



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