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Makita E-13100

Makita 18 Inch Saw Chain Instruction Manual

Model: E-13100

Product Overview

The Makita 18-inch Saw Chain (Model E-13100) is designed for use with specific Makita XGT chain saws (GCU04, GCU05, GCU06) and the Makita Guide Bar E-13150. This low-profile chain features an 80TXL chain style with a .325" LP pitch and .043" gauge, engineered for efficient cutting performance, particularly with battery-powered saws. Its design aims to maximize cuts per battery charge compared to other chain types.



Image: The Makita 18-inch Saw Chain, Model E-13100, shown in its full length, ready for installation. This image displays the complete chain structure.

Safety Information

Always prioritize safety when handling and operating chainsaw components. Read and understand all instructions in this manual and your chainsaw's operator manual before use. Failure to do so can result in serious injury.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, gloves, and protective footwear, when handling or operating the saw chain.
- **Chain Installation:** Ensure the chain is installed correctly and tensioned according to your chainsaw's manual. An improperly installed chain can derail and cause injury.
- **Kickback Prevention:** This chain features a low-kickback design. However, always be aware of potential kickback and follow safe operating procedures to minimize risk.
- **Sharp Edges:** The saw chain has sharp cutting edges. Handle with care to avoid cuts.

Setup and Installation

Proper installation of the saw chain is crucial for safe and efficient operation. Refer to your specific Makita XGT

chainsaw's instruction manual for detailed steps on removing the old chain and installing the new one.

1. **Prepare the Chainsaw:** Ensure the chainsaw is turned off, the battery is removed (for cordless models), and the chain brake is engaged before beginning any installation or maintenance.
2. **Remove Guide Bar Cover:** Loosen the nuts holding the guide bar cover and remove it.
3. **Remove Old Chain (if applicable):** Carefully remove the old chain and guide bar.
4. **Install New Chain:** Place the new Makita E-13100 saw chain onto the guide bar, ensuring the cutting edges are facing the correct direction (refer to your chainsaw manual for orientation).
5. **Mount Guide Bar and Chain:** Position the guide bar with the chain around the sprocket.
6. **Adjust Chain Tension:** While holding the guide bar up, adjust the chain tension screw until the chain fits snugly but can still be pulled freely around the guide bar by hand. There should be no sag on the underside of the guide bar.
7. **Secure Cover:** Reinstall the guide bar cover and tighten the nuts. Recheck chain tension after tightening, as it may change slightly.



Image: The Makita 18-inch Saw Chain, Model E-13100, in its retail packaging. The packaging clearly displays the part number, size, and key specifications like .325" LP and .043" gauge.

Operating Guidelines

This saw chain is designed for optimal performance when paired with compatible Makita XGT chainsaws (GCU04, GCU05, GCU06) and the Makita Guide Bar E-13150. Always ensure the chain is properly lubricated and tensioned before each use.

- **Lubrication:** Ensure the chainsaw's automatic oiler is functioning correctly and the oil reservoir is filled with appropriate bar and chain oil. Proper lubrication extends chain life and improves cutting efficiency.

- **Chain Sharpness:** A sharp chain cuts efficiently and safely. If the chain starts to produce sawdust instead of chips, or if it pulls to one side, it likely needs sharpening. Refer to your chainsaw manual for sharpening instructions or consult a professional.
- **Cutting Technique:** Always follow safe cutting techniques as outlined in your chainsaw's operator manual. Avoid cutting into dirt, rocks, or metal, as this will dull or damage the chain.

Maintenance

Regular maintenance of your saw chain will ensure its longevity and optimal performance.

- **Cleaning:** After each use, clean the chain and guide bar to remove sawdust, sap, and debris. A stiff brush and appropriate cleaning solution can be used.
- **Inspection:** Regularly inspect the chain for damaged or worn cutters, drive links, and rivets. Replace the chain if significant damage is observed.
- **Sharpening:** Sharpen the chain regularly to maintain cutting efficiency. Use the correct file size and angle for this chain type (.325" LP, .043" gauge).
- **Storage:** When not in use, store the chain in a clean, dry place, preferably in its original packaging or a protective case to prevent damage and corrosion.



Image: A detailed close-up view of the Makita saw chain links, highlighting the "OREGON" marking and the specific design of the cutters and drive links. This image helps in identifying the chain type and inspecting for wear.

Troubleshooting

If you encounter issues with your saw chain, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Chain not cutting efficiently	Dull chain, incorrect tension, insufficient lubrication	Sharpen chain, adjust tension, check oiler and oil level
Chain smoking or overheating	Lack of lubrication, dull chain, incorrect tension	Check oiler, sharpen chain, adjust tension
Chain derails from guide bar	Incorrect tension, worn guide bar, damaged drive links	Adjust tension, inspect guide bar for wear, replace chain if damaged

Specifications

Feature	Detail

Feature	Detail
Model Number	E-13100
Chain Length	18 inches
Chain Type	80TXL
Pitch	.325" LP (Low Profile)
Gauge	.043"
Links	70
Compatibility	Makita XGT Chain Saws GCU04, GCU05, GCU06 with 191V91-5 sprocket; Makita Guide Bar E-13150
UPC	088381590693



Image: The back of the Makita 18-inch Saw Chain packaging, showing part number, compatibility information, and manufacturing details. This view confirms the model number and provides additional product information.

Warranty and Support

For information regarding warranty coverage for your Makita saw chain, please refer to the warranty documentation included with your original chainsaw purchase or visit the official Makita website. Makita provides support for its products through authorized service centers and customer service channels.

For further assistance or technical support, please contact Makita customer service or visit their official website:

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