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› NEO-TEC 20 Inch Chainsaw Chain User Manual - Model 20" .325"0.063 81DL-V81

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NEO-TEC 20 Inch Chainsaw Chain User Manual

Model: 20" .325"0.063 81DL-V81

1. INTRODUCTION

This manual provides essential information for the safe and effective use, installation, and maintenance of your NEO-TEC 20 Inch Chainsaw Chain. Please read this manual thoroughly before use to ensure proper handling and to maximize the lifespan and performance of your chainsaw chain.

2. PRODUCT FEATURES

- **Chain Parameters:** This package includes 3 chains, each 20 inches in length, with a 0.063" gauge, 0.325" pitch, and 81 drive links. The chains feature a full-chisel design for efficient cutting.
- **Hardened Rivets:** All saw chain rivets are hardened and quenched to provide a high-quality, load-bearing surface that resists wear and improves strength. This reduces wear and chain stretch, leading to fewer chain tension adjustments.
- **Chrome Plated Cutters:** Each mini chainsaw chain cutter is electroplated with a layer of industrial hard chrome. This chrome plating delivers a harder surface and ensures a sharp, precise cut.

3. COMPATIBILITY

This NEO-TEC chainsaw chain is compatible with various chainsaw models, including but not limited to: 024, 026, 026P, 028, 029, 030, 031, 032, 034, 036, MS 260, MS 270, MS 271, MS 280, MS 290.

Important: Always ensure your chainsaw model has a 0.325" sprocket to match the chain's pitch for proper function and safety.



Fits for these popular saws and models:

STIHL:

024, 024 Super, 026, 026 PRO, 026P, 028, 028 Super, 029, 030, 031, 032, 034, 034 SUPER, 036, 036 PRO, 036 QS, 039, 040, MS 260, MS 260 Pro, MS 261, MS 261 C-M, MS 261 C-MQ, MS 261 CQ, MS 270, MS 270 C, MS 270 C-B, MS 270 CQS, MS 271, MS 280, MS 280 C-BQ, MS 280 CQS, MS 290, MS 291, MS 291 C-BEQ, MS 310, MS 341, MS 360, MS 360 C, MS 360 Pro, MS 360 QS, MS 361, MS 361 C-B, MS 361 QS, MS 390

Image: A chainsaw equipped with a NEO-TEC chain, illustrating the chain's specifications and a list of compatible chainsaw models.

4. SAFETY INFORMATION

WARNING: Chainsaws are powerful tools that can cause severe injury if not handled properly. Always prioritize safety.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, gloves, and sturdy footwear, when handling or operating a chainsaw.
- Ensure the chainsaw is turned off and the spark plug cap is removed (for gas chainsaws) or battery is disconnected (for electric chainsaws) before performing any maintenance or chain replacement.
- Handle the chain with care as the cutters are extremely sharp. Use gloves to prevent cuts.
- Never operate a chainsaw with a dull, damaged, or improperly installed chain.

5. SETUP AND INSTALLATION

Replacing your chainsaw chain is a straightforward process. Follow these steps carefully:

1. **Prepare the Chainsaw:** Ensure the chainsaw is off, cool, and stable. Engage the chain brake.
2. **Remove Side Cover:** Use a nut driver or appropriate wrench to loosen and remove the nuts securing

the side cover. Carefully remove the side cover.

3. **Remove Old Chain and Guide Bar:** Loosen the chain tensioning screw until the old chain can be easily removed from the guide bar and sprocket. Remove the old chain and guide bar.
4. **Install New Chain:** Place the new NEO-TEC chain onto the sprocket, ensuring the cutting edges are facing the correct direction (away from the chainsaw body on the top of the bar).
5. **Attach Guide Bar:** Position the guide bar over the chain and align it with the mounting studs.
6. **Replace Side Cover:** Reinstall the side cover and hand-tighten the nuts.
7. **Adjust Chain Tension:** Use a screwdriver to turn the chain tensioning screw. The chain should be snug against the guide bar but still able to be pulled freely by hand. There should be no slack on the underside of the guide bar, and the drive links should sit securely in the guide bar groove.
8. **Final Tightening:** Once the tension is correct, fully tighten the side cover nuts.

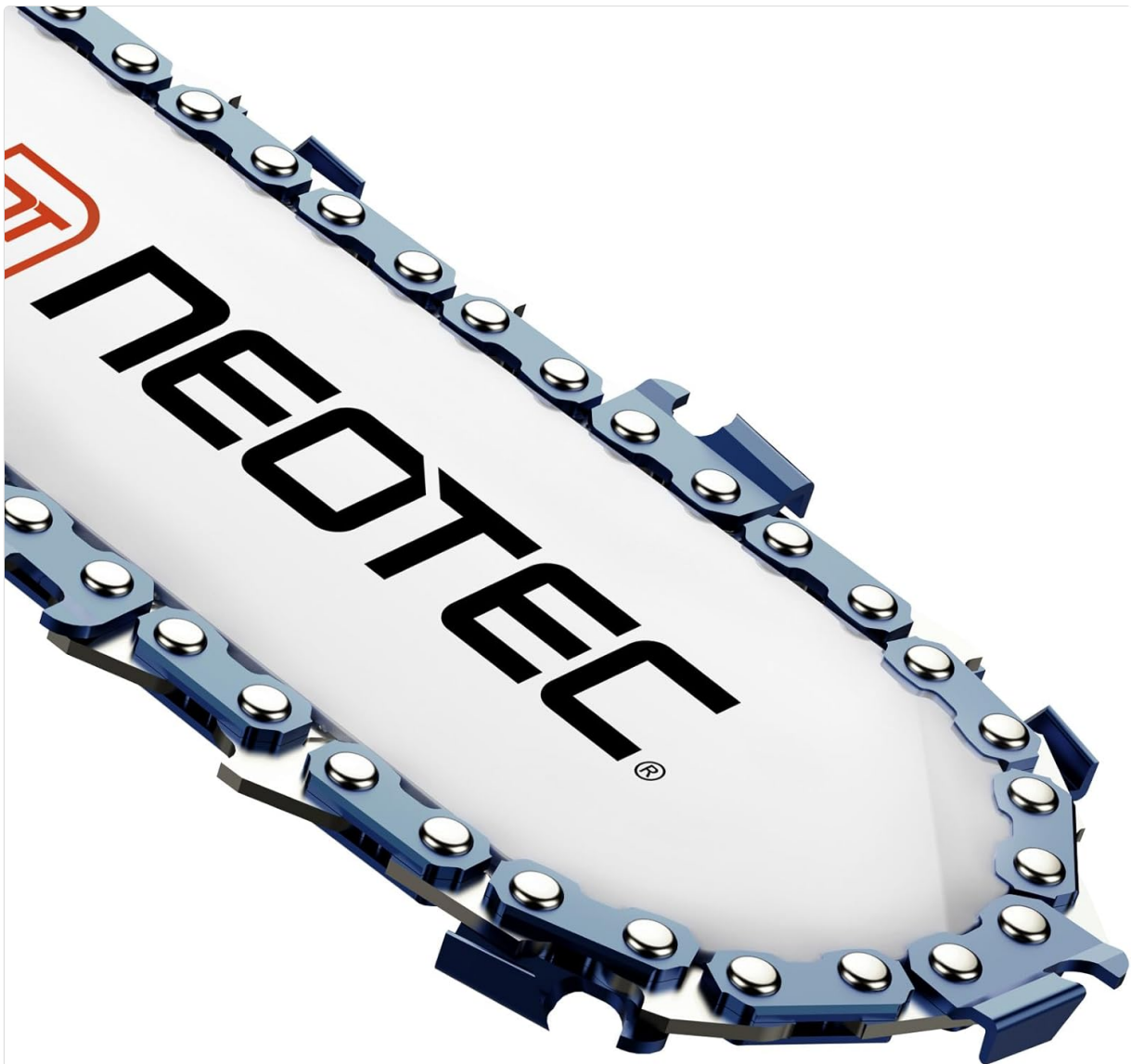


Image: A detailed view of a chainsaw chain properly seated on the guide bar, ready for operation.

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Video: Demonstration of a chainsaw chain in action, highlighting its cutting performance and ease of use.

6. OPERATING INSTRUCTIONS

With the new chain installed and properly tensioned, you are ready to operate your chainsaw. Always

follow the safety guidelines provided by your chainsaw manufacturer.

- Start the chainsaw according to the manufacturer's instructions.
- Allow the chain to reach full speed before making contact with the wood.
- Apply steady, even pressure. Do not force the chain through the wood; let the sharp cutters do the work.
- Be aware of kickback and maintain a firm grip on the chainsaw with both hands.
- Periodically check chain tension during operation, especially with a new chain, as it may stretch slightly.



Image: A person safely operating a chainsaw to cut through a large log, demonstrating proper technique.



Image: A person in full safety gear, with a chainsaw resting on a tree stump, ready for or having completed cutting tasks.

Your browser does not support the video tag.

Video: A NEO-TEC chainsaw chain efficiently cutting through wood, showcasing its performance.

7. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your NEO-TEC chainsaw chain.

- **Sharpening:** Sharpen the chain regularly to maintain cutting efficiency. A sharp chain cuts smoothly and reduces strain on the chainsaw. Refer to your chainsaw's manual for specific sharpening angles and tools.
- **Cleaning:** After each use, clean the chain to remove sawdust, sap, and debris. This prevents buildup that can hinder performance and cause corrosion.
- **Lubrication:** Ensure your chainsaw's automatic oiler is functioning correctly and that you are using appropriate bar and chain oil. Proper lubrication reduces friction and heat, extending chain life.
- **Inspection:** Regularly inspect the chain for any signs of damage, such as cracked links, bent cutters, or excessive wear. Replace damaged chains immediately.
- **Storage:** Store chains in a clean, dry place to prevent rust and damage.

8. TROUBLESHOOTING

Here are some common issues and their potential solutions:

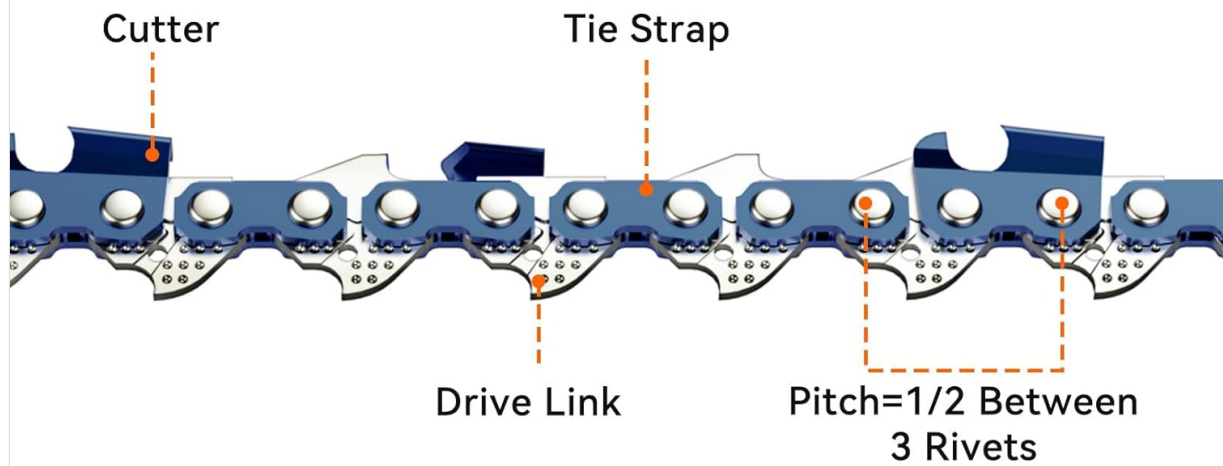
Problem	Possible Cause	Solution
Chain not cutting efficiently	Dull chain, incorrect tension, insufficient lubrication	Sharpen chain, adjust tension, check oiler and oil level
Chain smoking excessively	Dull chain, improper lubrication, incorrect tension	Sharpen chain, check oiler, adjust tension
Chain jumping off bar	Loose chain tension, worn guide bar, worn sprocket	Adjust chain tension, inspect and replace worn components
Chain cuts crookedly	Unevenly sharpened cutters, worn guide bar	Resharpen chain evenly, inspect guide bar for wear

9. SPECIFICATIONS

Detailed specifications for your NEO-TEC 20 Inch Chainsaw Chain:

- **Chain Length:** 20 Inches
- **Item Pitch:** 0.325 Inches
- **Gauge:** 0.063 Inches
- **Drive Link Count:** 81
- **Chain Type:** Full Chisel
- **Model Number:** 20" .325"0.063 81DL-V81 pack
- **Item Weight:** 2.42 pounds (for the 3-pack)
- **Manufacturer:** NEO-TEC

Chain Parameter Diagram



V81

20 Inch Chain, 81 Drive Link

Image: A diagram detailing the components and measurements of a chainsaw chain, including cutter, tie strap, drive link, and pitch.

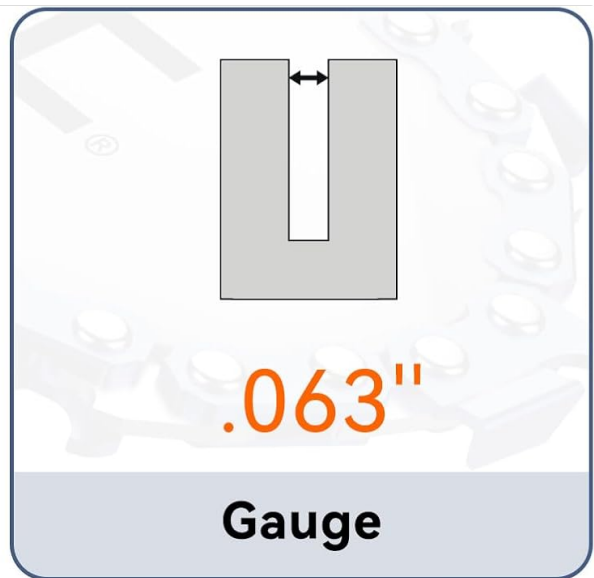
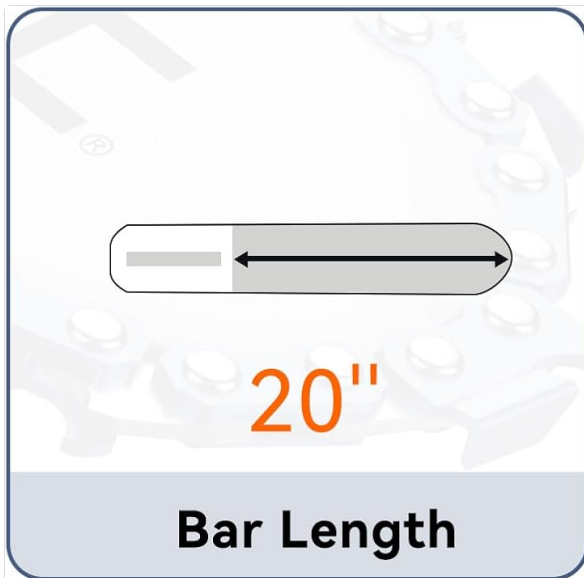


Image: An infographic clearly displaying the key specifications of the chainsaw chain: 20" Bar Length, 0.063" Gauge, 0.325" Pitch, and 81 Drive Links.

High Quality Chain
Sharp and Durable



Image: A close-up shot of the NEO-TEC chainsaw chain, highlighting its sharp, chrome-plated cutters and robust construction.

10. WARRANTY AND SUPPORT

For warranty information or technical support regarding your NEO-TEC chainsaw chain, please refer to the product packaging or contact NEO-TEC customer service directly through their official channels. Keep your purchase receipt for any warranty claims.