

[Manuals.plus](#) /

> [UPFOREST](#) /

> UPFOREST 20 Inch Chainsaw Chain Instruction Manual for STIHL MS290, MS271, MS291, MS261, MS270, MS280, 024, 026, 028, 029, 030, 036, 039 Models

## UPFOREST 20 Inch-.325"- .063"-81DL

# UPFOREST 20 Inch Chainsaw Chain Instruction Manual

Model: 20 Inch-.325"- .063"-81DL

## INTRODUCTION

---

This manual provides essential information for the safe and effective use, installation, and maintenance of your UPFOREST 20 Inch Chainsaw Chain. Please read these instructions thoroughly before attempting any installation or operation to ensure proper function and user safety. This chain is designed for specific STIHL chainsaw models, as detailed in the specifications section.

## SAFETY INFORMATION

---

Always prioritize safety when working with chainsaws and their components. Failure to follow safety guidelines can result in serious injury.

- **Read Chainsaw Manual:** Always consult your chainsaw's owner's manual for specific safety instructions and chain replacement procedures.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses, hearing protection, gloves, and chainsaw protective legwear (chaps), when handling or operating a chainsaw.
- **Chain Condition:** Regularly inspect the chain for damage, dullness, or loose components. A damaged or dull chain can increase the risk of kickback and reduce cutting efficiency.
- **Proper Tension:** Ensure the chain is correctly tensioned before each use. Incorrect tension can lead to the chain derailing or premature wear.
- **Low Kickback:** This chain is designed to meet low-kickback performance requirements. However, always be aware of kickback risks and operate the chainsaw with both hands firmly.

## PRODUCT OVERVIEW AND FEATURES

---

The UPFOREST 20 Inch Chainsaw Chain is engineered for durability and efficient cutting performance. Key features include:

- **Material Quality:** Constructed from German steel with controlled heating and punching systems for enhanced toughness and flatness.
- **Durability:** All saw chain rivets are hardened and quenched to resist wear and improve strength, minimizing chain tension changes.

- **Sharpness:** Features Japanese chrome-plated technology for cutter durability. Each cutter is ground and cold-headed with rotary machines for optimal sharpness.
- **Lubrication System:** Integrated oil storage grooves in each drive link and oil storage bumps in each tie strap ensure effective oil distribution throughout the chain. This reduces friction, lowers the tendency for stretching, and extends chain longevity.
- **Corrosion Resistance:** Each saw chain is pre-treated with protective oil to resist corrosion.

# UPFOREST®

## StaySharp™



Image: Close-up view of the UPFOREST chainsaw chain, showing the cutters and drive links.

# Upforest Saw Chain Feature



**Platinum Cutter**  
Keep cutter sharp and durable



**Platinum Rivet**  
Reduce wear and chain stretch



**Platinum Tie Strap**  
Resistance to corrosion and wear



**Platinum Drive Link**  
Make less friction and long life

Image: Detailed view of the UPFOREST chain's components, including Platinum Cutters, Rivets, Tie Straps, and Drive Links.

## FINDING THE CORRECT CHAIN

To ensure compatibility and safe operation, it is crucial to select the correct chain for your chainsaw. Refer to your chainsaw's owner's manual or the guide bar side stamp for the necessary parameters.

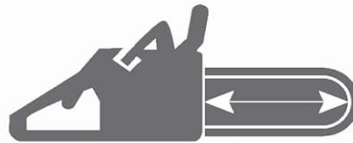
- **Bar Length:** Measure the exposed length of your guide bar. Round up to the nearest even number.
- **Drive Links (DL):** Count the number of drive links on your existing chain.
- **Gauge:** Determine the thickness of the drive link. Common measurements are .043" (1.1mm), .050" (1.3mm), .058" (1.5mm), or .063" (1.6mm).
- **Pitch:** Divide the distance between three rivets by two. Common sizes include .325", 3/8" LP, 3/8", and 1/4". Note that 3/8" is typically for saws >50cc, and 3/8" LP is for smaller saws.

**upforest®**

# FIND THE RIGHT CHAIN

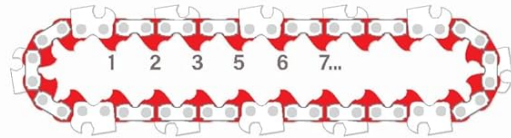


- 1 BAR LENGTH**  
SIMPLY MEASURE EXPOSED BAR



Round up to nearest even number

- 2 DRIVE LINKS**  
COUNT ALL LINKS ON EXISTING CHAIN

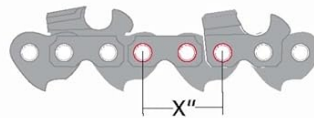


- 3 GAUGE**  
THICKNESS OF DRIVE LINK



**GAUGE SIZE**  
should be one of these 4 measurements .043" (1.1mm), .050" (1.3mm), .058" (1.5mm) or .063" (1.6mm)

- 4 PITCH**  
DIVIDE 3 RIVET'S DISTANCE BY 2

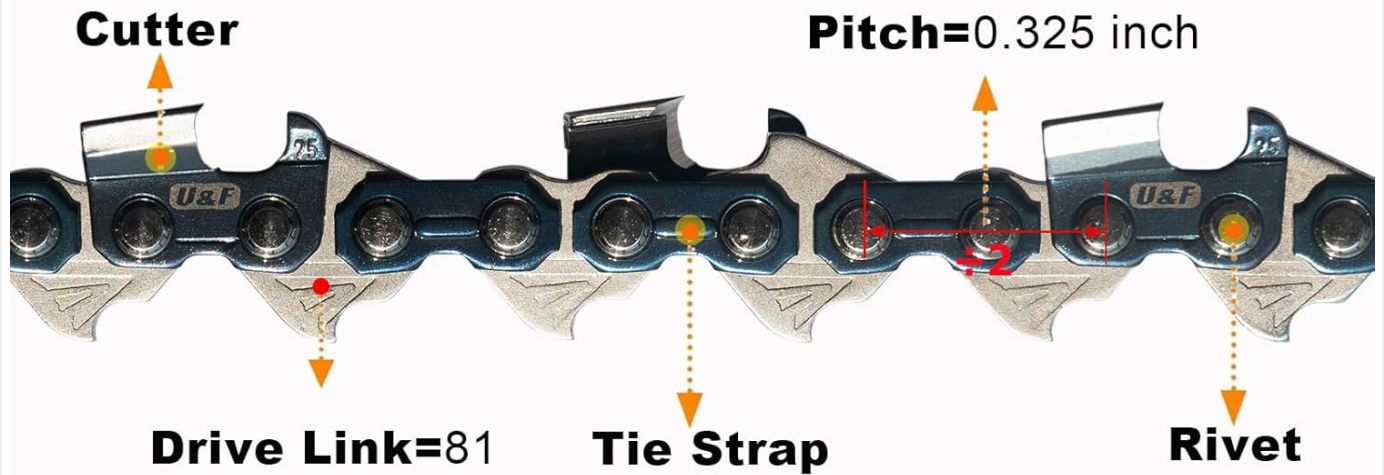


**COMMON SIZES**  
.325", 3/8" LP, 3/8", 1/4"

**NOTE**  
3/8" is typically for saws  $\geq$  50cc and 3/8" LP is for smaller saws.

Image: Diagram illustrating how to measure bar length, count drive links, determine gauge, and calculate pitch for correct chain selection.

# Chain Parameter Diagram



⚙️ **Pitch**=Half the distance between 3 rivets of the chain

⚙️ **Drive Links(DL)**=Chain link quantity

Image: Chain Parameter Diagram, showing the Cutter, Drive Link, Tie Strap, and Rivet, with definitions for Pitch and Drive Links.

# CHAIN GAUGE



**Guide bar is not included ,if need ,please visit upforest store .**

Image: Chain Gauge Diagram, illustrating the gauge measurement and its fit with a 20-inch guide bar.

## SETUP AND INSTALLATION

Installing a new chainsaw chain requires careful attention to detail to ensure safety and optimal performance. Always refer to your chainsaw's specific instructions for chain replacement.

- 1. Prepare Chainsaw:** Ensure the chainsaw is turned off, the spark plug wire is disconnected (for gas models), or the battery is removed (for electric models). Engage the chain brake.
- 2. Remove Old Chain:** Loosen the bar nuts and remove the clutch cover. Carefully remove the old chain and guide bar.
- 3. Clean Components:** Clean any sawdust or debris from the guide bar groove, sprocket, and clutch area.
- 4. Install New Chain:** Place the new UPFOREST chain around the clutch sprocket, ensuring the cutters are facing the correct direction (usually forward on the top of the bar). Fit the chain into the guide bar groove.
- 5. Mount Guide Bar:** Slide the guide bar onto the mounting studs, ensuring the chain is properly seated in the bar groove and around the sprocket.
- 6. Adjust Tension:** Hand-tighten the bar nuts. Adjust the chain tension screw until the chain is snug but can still be pulled

freely around the bar by hand. The chain should not sag on the underside of the bar, but also not be overly tight.

7. **Final Tightening:** While holding the tip of the guide bar up, fully tighten the bar nuts. Recheck chain tension.

Your browser does not support the video tag.

Video: This video demonstrates the installation and use of the UPFOREST chainsaw chain, highlighting its compatibility and performance.

## OPERATING INSTRUCTIONS

---

Once the UPFOREST chainsaw chain is correctly installed and tensioned, follow these general operating guidelines:

- **Pre-Operation Check:** Before each use, verify chain tension, oil level, and ensure all components are secure.
- **Proper Grip:** Always hold the chainsaw firmly with both hands, maintaining a balanced stance.
- **Cutting Technique:** Allow the chain to do the work. Do not force the saw through wood. Maintain a steady, controlled cut.
- **Avoid Kickback:** Be aware of the kickback danger zone (the upper quadrant of the guide bar tip). Avoid cutting with this area.
- **Lubrication:** Ensure the chainsaw's automatic oiler is functioning correctly to continuously lubricate the chain and bar during operation.

## MAINTENANCE

---

Regular maintenance extends the life of your UPFOREST chainsaw chain and ensures safe operation.

- **Chain Sharpening:** Sharpen the chain regularly to maintain cutting efficiency. A dull chain requires more force, increases wear, and can be dangerous. Follow your chainsaw's manual for correct sharpening angles and file sizes.
- **Lubrication:** Ensure the chainsaw's oil reservoir is filled with appropriate bar and chain oil. The UPFOREST chain's integrated lubrication system works best with consistent oil supply.
- **Cleaning:** After each use, clean sawdust, resin, and debris from the chain, guide bar, and sprocket. This prevents buildup that can hinder performance and cause premature wear.
- **Inspection:** Periodically inspect the chain for stretched links, cracks, or damaged cutters. Replace the chain if significant damage is found.
- **Storage:** When not in use, store the chain in a clean, dry place. The protective oil on the chain helps prevent corrosion during storage.

## TROUBLESHOOTING

---

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Chain not cutting efficiently	Dull chain, incorrect tension, insufficient oil.	Sharpen chain, adjust tension, check oiler and oil level.
Chain derails from bar	Loose chain tension, worn guide bar, incorrect chain/bar combination.	Adjust chain tension, inspect guide bar for wear, ensure correct chain specifications.
Excessive smoke during cutting	Dull chain, insufficient chain lubrication.	Sharpen chain, check oiler function and oil level.
Chain binds in cut	Dull chain, improper cutting technique, wood pinching the bar.	Sharpen chain, use proper cutting technique, use felling wedges if necessary.

## SPECIFICATIONS

---

Specification	Value
Brand	UPFOREST
Model Number	20 Inch-.325"- .063"-81DL
Chain Length	20 Inches
Pitch	.325" (0.33 Inches)
Gauge	.063" (1.6mm)
Drive Link Count	81
Chain Type	Semi-Chisel
Low Kickback	Meets ANSI B175.1-2012 requirements
Compatible STIHL Models	MS260, MS260 Pro, MS261, MS261 C-M, MS261 C-MQ, MS261 CQ, MS270, MS270 C, MS270 C-B, MS270 CQS, MS271, MS280, MS280 C-BQ, MS280 CQS, MS290, MS291, MS291 C-BEQ, MS310, MS341, MS360, MS360 C, MS360 Pro, MS360 QS, MS361, MS361 C-B, MS361 QS, MS390; 024, 024 Super, 026, 026 PRO, 026P, 028, 028 Super, 029, 030, 031, 032, 034, 034 SUPER, 036, 036 PRO, 036 QS, 039, 040
Replaces OEM Part Numbers	Oregon 22LPX081G; Stihl 26RM3 81, 3689 005 0081

## WARRANTY AND SUPPORT

---

For any questions regarding your UPFOREST chainsaw chain, including compatibility, installation, or performance, please contact UPFOREST Customer Support. We are ready to assist you with product inquiries and support.

You can also visit the UPFOREST Amazon store for additional information and a wider selection of saw chains.

