

Archer 72RD084G, A1EP-RP-84E

Archer 24-inch Ripping Chainsaw Chain

Models: 72RD084G, A1EP-RP-84E

1. PRODUCT OVERVIEW

This Archer Chainsaw Ripping Chain is designed for specialized cutting tasks. It features a 3/8-inch pitch, .050-inch gauge, and 84 drive links. This chain is a direct replacement for models 72RD084G and A1EP-RP-84E. The semi-chisel cutters are factory-set with a 10-degree top plate angle, optimized for ripping wood. While primarily used with chainsaw mills for sawing slabs and boards, its robust design also makes it suitable for cross-cutting, felling, bucking, and cutting firewood, especially in challenging conditions such as dirty or frozen wood. Semi-chisel chains maintain sharpness longer than full chisel chains, making them ideal for less-than-clean cutting environments. This is a non-safety professional chainsaw chain.

2. SPECIFICATIONS

Attribute	Detail
Brand	Archer
Chain Type	Semi-Chisel
Item Length (Bar Length)	24 Inches
Pitch	3/8 Inches (0.38 Inches)
Gauge	.050 Inches
Drive Link Count	84
Model Numbers	72RD084G, A1EP-RP-84E
Material	High Quality "Japanese" Steel

3. INSTALLATION AND CHAIN SIZING

To ensure proper fit and safe operation, it is crucial to match the correct pitch, gauge, and drive link count of your replacement chain to your chainsaw bar. Chainsaw chains are specified by these three key measurements.

All chainsaw chains are a called length, and sold by pitch, gauge, and drive link count and your replacement chain will always fit when you match the correct pitch, gauge, and drive link count.

How to Measure A Chainsaw Bar

Chain Pitch Chain pitch is the distance between any three consecutive rivets, divided by two.

Distance from the front of the saw to the tip of the farthest cutter, rounded to the nearest inch

Called length OR **Cutting Length**

Depth Gauge Chain gauge is the drive link's thickness where it fits into the guide-bar groove.

PITCH	
GAUGE	
BAR LENGTH	
DRIVE LINKS	

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Figure 1: Guide to measuring chainsaw chain and bar dimensions.

How to Measure Your Chainsaw Bar and Chain:

- **Chain Pitch:** This is the distance between any three consecutive rivets on the chain, divided by two. It is a critical measurement for ensuring the chain fits the drive sprocket and bar nose sprocket

correctly.

- **Chain Gauge:** The chain gauge refers to the thickness of the drive links, which are the small projections on the bottom of the chain that fit into the guide bar groove. This measurement ensures the chain sits securely in the bar.
- **Bar Length (Called Length or Cutting Length):** Measure the distance from the front of the saw (where the bar emerges) to the tip of the farthest cutter, rounding to the nearest inch. This determines the overall length of the chain required.
- **Drive Links:** Count the number of drive links on your existing chain. This count must match the replacement chain for proper fit.

Always ensure these three parameters (pitch, gauge, and drive link count) precisely match your chainsaw's requirements for safe and effective operation. If you are unsure about the correct size, please consult your chainsaw's manual or contact Archer support for assistance.

4. OPERATING INSTRUCTIONS

The Archer Ripping Chain is designed for specific cutting applications. Its 10-degree top plate angle is optimized for ripping wood along the grain, commonly used with chainsaw mills. It can also be effectively used for cross-cutting, felling, bucking, and cutting firewood, particularly in conditions where wood may be dirty or frozen, thanks to its semi-chisel design which retains sharpness longer.

Safety Precautions:

- Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and protective clothing when operating a chainsaw.
- Ensure the chainsaw is properly maintained and the chain is correctly tensioned before each use.
- Be aware of your surroundings and potential hazards.
- This chain is a non-safety professional chainsaw chain. Exercise extreme caution during operation.

5. MAINTENANCE AND SHARPENING

Regular maintenance is essential to prolong the life and performance of your Archer Ripping Chain.

Sharpening Instructions:

Use a standard 7/32-inch round chainsaw chain file for sharpening this chain. Maintain the factory-set 10-degree top plate angle for optimal ripping performance. Sharpen regularly to ensure efficient cutting and reduce wear on your chainsaw.

General Chain Care:

- Keep the chain clean and free of debris.
- Ensure proper lubrication during operation.
- Check chain tension frequently and adjust as needed.
- Inspect for damaged or worn links and replace the chain if necessary.

6. TROUBLESHOOTING

If you encounter issues with your chainsaw chain, consider the following:

- **Poor Cutting Performance:** Check if the chain is dull and requires sharpening. Ensure the chain is

correctly tensioned.

- **Chain Derailment:** Verify that the chain tension is correct and the guide bar groove is clean and free of burrs. Ensure the chain pitch and gauge match your bar.
- **Excessive Wear:** Ensure adequate lubrication and proper chain tension. Avoid cutting into abrasive materials.

For specific issues or if you need assistance in determining the correct chain size or troubleshooting, please contact Archer support.

7. PRODUCT VIDEO: CHAIN PIN THICKNESS



Video: A demonstration showing that one of the pins on the chainsaw chain is thicker. This video provides a visual detail of the chain's construction.

8. WARRANTY AND SUPPORT

Archer Saw Chains are known for quality and are sold worldwide. For specific warranty information or product support, please refer to the documentation included with your purchase or contact Archer directly through their official channels. If you require assistance in determining the correct chain size or have any other product-related inquiries, please reach out to Archer customer service.