

ChainSharp

12v Chainsaw Sharpener



CONNECT TO ANY 12V BATTERY

**REMEMBER
ALWAYS WORK SAFELY**



OPERATING INSTRUCTIONS

This 12v electrical powered chain saw sharpener is designed to sharpen most types of chainsaw chain.

IMPORTANT SAFETY INFORMATION

Wear eye protection and dust mask. Grinding will cause dust and sparks. Chain Saw Cutters must be sharpened equally and evenly. Uneven sharpening can cause the saw to kickback resulting in potential personal injury.

WARNING

Chain saw sharpener operates at high speeds. Incorrect assembly or misuse can result in personal injury or property damage. Read and follow **ALL** safety precautions listed below. Failure to follow all instructions may result in electric shock, fire, serious personal injury and/or property damage.

Grinding produces sparks during operation. Always use this tool in a well ventilated area. Do not use in areas containing explosive fumes or flammable materials.

- Must **ONLY** be used with a standard 12V battery
- Grinding produces a fine dust-like debris while in operation. Always wear a standard dust mask during operation. This tool should always be used in a well ventilated area.
- Keep work area clean and well lit.
- Always wear adequate eye protection to withstand flying sparks and metal shavings/debris.
- Double check the locknut for correct, secure grinding-stone installation before each use.
- Do not use on any other object other than saw chain.
- NEVER sharpen saw chain while the chainsaw's engine is running.
- Keep bystanders, children and visitors away while operating power tools. Distractions can cause you to lose control and lead to personal injury and/or property damage.
- Never use this power tool in wet or rainy conditions. Water increases the risk of electric shock.
- Never use the cord to carry the tool.



Personal Safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Dress properly. Do not wear loose clothing or jewellery. Contain long hair. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- Avoid accidental starting. Be sure the switch is off before connecting to the power source.
- Remove adjusting keys or switches before turning the tool on. A switch or a key that is left attached to a rotating part of this tool may result in personal injury.
- Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
- Use safety equipment. Always wear eye protection. Dust-mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

ASSEMBLY OF CHAIN SAW SHARPENING ATTACHMENT

There are numerous types of saw chain used on different kinds of chain saws. For this reason, it is important that you assemble your new ChainSharp chain saw sharpener to suit the particular chain on your saw.

1. First determine what size stone is required to sharpen your chain. To do this, refer to your chain saw owner's manual, your chainsaw instruction manual or contact your chainsaw manufacturer. The size and pitch of the chain is often stamped or printed on the chainsaw's bar.
2. Your new ChainSharp Electric Chainsaw Sharpener comes with 3 different size stones.

5/32" (smallest diameter stone)	Fits saws with 1/4 pitch or 3/8"s Low Profile chain
3/16" (medium diameter stone)	Fits saws with .325 Pitch chain
7/32" (largest diameter stone)	Fits saws with 3/8" Pitch chain

You can identify the size of each stone by sizing it with the Multi-Wrench included.

3. Once you have identified the correct stone for your saw's chain, remove the collet cap from the end of your sharpener. (FIG 1) MAKE SURE TOOL IS OFF AND DISCONNECTED FROM POWER SOURCE.



4. Attach the correct sharpening stone by slowly turning chuck while simultaneously pressing lock button until it engages. (FIG 2)



5. Open chuck and insert shank of sharpener. Make sure to leave approx 1/4" of shank exposed between chuck cap and stone. (FIG 3)



6. Tighten chuck using enclosed Multi-Wrench.

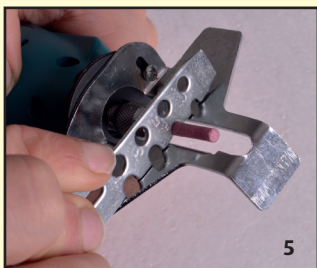
7. Screw on chain saw Sharpening Guide and adjust as below

8. The Sharpening Guide must be adjusted up or down on the mounting plate so the correct amount of stone's diameter will be exposed.

9. To adjust stone to correct depth, loosen screws on the mounting plate of the Sharpening Guide (FIG 4)

10. Place Multi-Wrench on its side with the four round notches down upon the face of the Sharpening Guide. The four notches correspond to the different stone sizes ($5/32''$, $3/16''$, $7/32''$ and 4.5mm).

Position the correct size notch over the stone seated in the aperture of chain guide. (FIG 5) Adjust as above and you're now ready to sharpen.



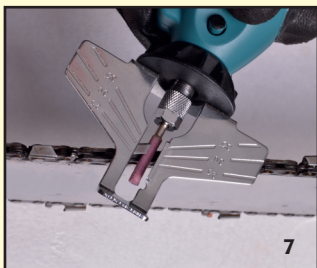
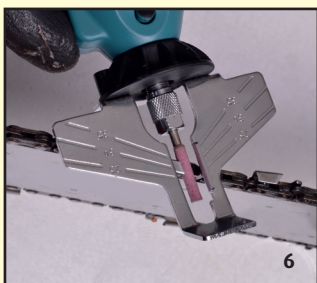
SHARPENING THE CHAIN

1. Place your saw on a flat, solid, stable surface so it will not move or slide around during the sharpening process. The chain tension should be adjusted to the manufacturer's specifications.

2. Always sharpen the saw away from your body. Sharpen chain saw cutting teeth or cutters as shown in Fig 6 and 7. The Sharpening Guide should lay flat on the chain with the stone positioned in the cutter at the angle recommended by your chain manufacturer. Use the guide lines on the top of the Sharpening Guide for reference.

3. When sharpening, use two or three light strokes back and forth with the sharpener. Let the sharpener and stone do the work. Sharpen all cutters equally.

4. When all the teeth on the top of the bar have been sharpened, use a glove or rag to advance the chain by pulling towards the end of the bar. Sharpen remaining cutters evenly.



WARNING! DO NOT SHARPEN CHAIN EXCESSIVELY

Never exceed the manufacturers recommended depth-gauge setting for your chain and follow manufacturers current specifications for correct filing angles.

Excessive depth-gauge settings or incorrect filing angles can increase the risk of kickback, which can cause serious injury to the saw operator or bystanders.

ALWAYS REFER TO CHAIN SAW OWNER'S MANUAL FOR CORRECT SHARPENING SPECIFICATIONS.

