

## MINICSS 12V DC SAW CHAIN SHARPENER

### SPECIFICATIONS

55W 2500 RPM

Sharpens most types of chainsaw chains

Includes: One 12V Sharpener`

(A) 25°-30°-35° Angle Guide

(B,C,D) Three Collets (same size)

(E) Depth-Gauge

(F) Collet Nut

(G) Collet Cap

(H) Wrench

One each (I) 5/32" (J) 3/16" (K) 7/32" Grinding Stones

Attach to 12V battery for on-site sharpening



**READ ALL INSTRUCTIONS AND WARNINGS BEFORE USING THIS PRODUCT. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

**STOP! CONTACT CUSTOMER SERVICE WITH QUESTIONS OR PROBLEMS FIRST. DO NOT RETURN TO THE RETAILER.**

Visit our website: <http://www.sportsmanseriesbrand.com> or call our customer service department 1-636-532-9888, Monday-Friday, 8 AM - 4 PM Central Time. A sales receipt is required.

### ⚠ WARNING

#### 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

**CALIFORNIA PROPOSITION 65:** This product, or the dust from grinding, may contain chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

### ⚠ 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.

**REFER TO CHAIN SAW'S MANUAL FOR SPECIFICATIONS.**

### ⚠ WARNING

Dull chains are dangerous! The safest chain is a sharp chain. The sharpest chain is a new chain. As your chain ages and wears, either replace the chain or sharpen it. Incorrect assembly or misuse can result in personal injury 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.
- Grinding produces a fine, dust-like debris while in operation. Always wear a standard dust mask during operation and use 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.
- Always make sure that the power switch is in the OFF position before plugging into a power source.
- Double check the locknut for correct, secure grinding-stone installation before each use.
- Do not use on any 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 loose 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 or pull plug. When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W." These cords are rated for outdoor use.

#### PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool 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.
- Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.
- Avoid accidental starting. Be sure switch is off before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

## USAGE INSTRUCTIONS

There are numerous types of saw chains used on different kinds of chain saws. Assemble your chain saw sharpener to suit the particular chain on your saw.

1. Determine what size stone is required to sharpen your chain. Refer to your chain saw's owner's manual. Many times the size and pitch of the chain is stamped or printed on the chain saw's bar.
2. The Saw Sharpener includes 3 different size stones:

#### 5/32" (smallest diameter stone)

Fits saws with 1/4 pitch or 3/8" 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

Match the size of each stone by sizing with Depth Gauge (E) 5, 3, 7.

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. Insert the collet. (FIG 2)
5. Insert collet nut. (FIG 3)
6. Insert the correct sharpening stone. Press lock button and rotate the collet nut until lock button releases. Then screw the collet nut. Make sure to leave approx 1/4" of shank exposed between chuck cap and stone. (FIG 4)



FIGURE 2



FIGURE 3



FIGURE 4

6. Tighten chuck using enclosed Wrench (H). Make sure sharpening stone is secure and cannot be removed.
  7. Screw on chain saw sharpening guide (FIG 5) (If you have high skill level, do not attach it. Attach plastic cap only (FIG 7) ).
  8. The sharpening guide may be adjusted up or down on the mounting plate so the correct amount of each stone's diameter will be exposed.
  9. To adjust stone to correct depth, loosen screws on the mounting plate of the sharpening guide. (FIG 6)
  10. Place Wrench on it's side with the four round notches down upon the face of the sharpening guide. The notches correspond to the different stone sizes (3/16, 5/32, 7/32) (4.5mm not used).
  11. Position the correct size notch over the stone and adjust guide until stone is seated into the gullet of the notch.
- Retighten both guide screws to lock guide in place. You are now ready to sharpen the chain.



FIGURE 5



FIGURE 6



FIGURE 7



FIGURE 8



FIGURE 9

#### 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. This will prevent the cutters from moving during the sharpening process.
2. Position the saw so you are facing the bar with the chain saw motor to your right. Always sharpen the saw away from your body. Sharpen chain saw cutting teeth or cutters as shown in (FIG 8). The sharpening guide should lay flat on the chain with the stone positioned in the cutter at a 30° angle to the bar. Use the guidelines on the top of the sharpening guide for reference (FIG 9).
3. When sharpening, use two or three light strokes back and forth with the sharpener. Let the sharpener and stone do the work. Do not apply excessive pressure. 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 toward the end of the bar. Sharpen remaining cutters evenly.