

## Rhino 3219513117861

# RHINO 95W Drill Bit Sharpener User Manual

Model: 3219513117861

## 1. INTRODUCTION AND SAFETY INFORMATION

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Thank you for choosing the RHINO 95W Drill Bit Sharpener. This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before first use and keep it for future reference.

### Important Safety Warnings:

- Always wear appropriate personal protective equipment, including safety glasses, during operation.
- Ensure the sharpener is placed on a stable, level surface before use.
- Keep hands and fingers away from the sharpening wheel during operation.
- Do not operate the sharpener in wet or damp conditions.
- Unplug the sharpener from the power outlet before performing any maintenance or when not in use.
- Keep children and unauthorized persons away from the operating area.
- Do not force the drill bit into the sharpening port. Apply gentle, consistent pressure.
- Use only drill bits within the specified diameter range (3-10mm).

## 2. PACKAGE CONTENTS

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Carefully unpack all items and ensure that all components are present and undamaged. If any parts are missing or damaged, contact your retailer immediately.

- RHINO 95W Drill Bit Sharpener
- User Manual



Figure 2.1: The RHINO 95W Drill Bit Sharpener is typically supplied in a protective cardboard box, as shown. The packaging illustrates key features and specifications of the sharpener.

### 3. PARTS IDENTIFICATION

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Familiarize yourself with the different parts of your drill bit sharpener before operation.



**Figure 3.1:** Front view of the RHINO 95W Drill Bit Sharpener. Key components include the drill bit insertion port, the sharpening angle adjustment knob on top, and the power switch located on the front lower section.

1. **Drill Bit Insertion Port:** Where the drill bit is inserted for sharpening.
2. **Sharpening Angle Adjustment Knob:** Used to select the appropriate sharpening angle for different drill bit types (indicated by markings on the top panel).
3. **Power Switch:** Controls the ON/OFF function of the sharpener.
4. **Grinding Wheel (Internal):** The abrasive wheel responsible for sharpening the drill bit (not visible externally).

## 4. SETUP

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1. **Unpacking:** Remove the sharpener and all accessories from the packaging. Retain the packaging for storage or future transport.
2. **Placement:** Place the drill bit sharpener on a clean, stable, and level workbench or surface. Ensure there is adequate space around the unit for safe operation and ventilation.
3. **Power Connection:** Connect the power cord to a standard 230-240V~50Hz electrical outlet. Ensure the power switch is in the "OFF" position before plugging in the unit.

## 5. OPERATING INSTRUCTIONS

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This sharpener is designed for sharpening metal drill bits with diameters between 3mm and 10mm.

1. **Prepare the Drill Bit:** Ensure the drill bit is clean and free from debris.
2. **Select Sharpening Angle:** Rotate the sharpening angle adjustment knob on the top of the unit to the desired setting. The markings on the knob correspond to different angles or bit types. Refer to the markings

for guidance.

3. **Power On:** Flip the power switch to the "ON" position. The grinding wheel will begin to rotate.
4. **Insert Drill Bit:** Carefully insert the drill bit into the appropriate insertion port. The sharpener has guides to ensure the bit is held at the correct angle.
5. **Sharpening Process:** Apply gentle, consistent pressure to the drill bit against the grinding wheel. Rotate the drill bit slightly if necessary to ensure even sharpening of both cutting edges. Listen to the sound and observe the sparks to gauge the sharpening progress. Do not apply excessive pressure, as this can damage the bit or the sharpener.
6. **Check Sharpness:** Periodically remove the drill bit and inspect its cutting edge. Both edges should be symmetrical and sharp. Repeat the sharpening process if necessary.
7. **Power Off:** Once sharpening is complete, flip the power switch to the "OFF" position and unplug the unit from the power outlet.
8. **Cool Down:** Allow the sharpened drill bit to cool down before handling, as it may be hot.

**Note:** For optimal results and to prolong the life of your drill bits, sharpen them regularly before they become excessively dull.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your RHINO Drill Bit Sharpener.

1. **Cleaning:** After each use, unplug the sharpener and use a soft brush or compressed air to remove metal dust and debris from the sharpening ports and ventilation slots. Do not use water or liquid cleaners.
2. **Storage:** Store the sharpener in a clean, dry place, away from direct sunlight and extreme temperatures. Keep it out of reach of children.
3. **Grinding Wheel:** The internal grinding wheel is designed for long-term use. If you notice a significant decrease in sharpening performance over time, the grinding wheel may be worn. Contact customer support for service options. Do not attempt to replace the grinding wheel yourself unless explicitly instructed by the manufacturer.

## 7. TROUBLESHOOTING

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If you encounter issues with your sharpener, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Sharpener does not turn on.	No power supply. Power switch is off.	Check if the power cord is securely plugged into a working outlet. Ensure the power switch is in the "ON" position.
Drill bits are not sharpening effectively.	Incorrect angle setting. Worn grinding wheel. Insufficient pressure.	Adjust the sharpening angle knob. Contact customer support for service. Apply gentle, consistent pressure.
Excessive vibration or noise.	Unit not on a stable surface. Internal component issue.	Ensure the sharpener is on a stable, level surface. Discontinue use and contact customer support.

If the problem persists after attempting these solutions, please contact RHINO customer support for further

assistance.

## 8. TECHNICAL SPECIFICATIONS

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<b>Model Number:</b>	3219513117861
<b>Brand:</b>	Rhino
<b>Power:</b>	95 W
<b>Voltage:</b>	230-240V~50Hz
<b>Rotation Speed:</b>	1350 r/min
<b>Drill Bit Diameter:</b>	3 mm - 10 mm
<b>Ampere:</b>	3 A
<b>Item Weight:</b>	2.25 lbs (approx. 1.02 kg)

## 9. WARRANTY AND CUSTOMER SUPPORT

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For warranty information, please refer to the warranty card included with your product or visit the official RHINO website. If you have any questions, require technical assistance, or need to report a problem, please contact RHINO customer support through the details provided on the product packaging or the official website. Please have your model number (3219513117861) and purchase date available when contacting support.