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› [BUCKTOOL 10-Inch Variable Speed Wet Sharpening System User Manual](#)

Bucktool SCM8103

BUCKTOOL 10-Inch Variable Speed Wet Sharpening System

Model: SCM8103

INTRODUCTION

This manual provides detailed instructions for the safe and effective operation, setup, and maintenance of your BUCKTOOL 10-Inch Variable Speed Wet Sharpening System. This system is designed for precision sharpening of various metal tools, ensuring optimal performance and longevity of your cutting edges.

The BUCKTOOL SCM8103 features a powerful 1.2-amp motor with variable speed control (90-160 RPM), a 10-inch aluminum oxide sharpening wheel, and an 8-inch leather stropping wheel. Its wet sharpening design, incorporating a water tray, keeps tools cool during sharpening, preventing overheating and residue buildup. The reversible rotation switch enhances versatility for different sharpening tasks.

SAFETY INFORMATION

Always prioritize safety when operating power tools. Read and understand all safety warnings and instructions before using the sharpening system.

- **Eye Protection:** Always wear safety glasses or goggles to protect against flying debris.
- **Hand Protection:** Use appropriate gloves to protect hands from sharp edges and the rotating wheel.
- **Stable Work Surface:** Ensure the sharpening system is placed on a stable, level, and non-slip surface.
- **Proper Ventilation:** Operate in a well-ventilated area.
- **Keep Clear:** Keep hands, hair, and loose clothing away from moving parts.
- **Unplug When Not In Use:** Disconnect the power cord before making adjustments, changing accessories, or performing maintenance.
- **Water Tray:** Ensure the water tray is properly filled before operation to prevent overheating of tools and the grinding wheel.
- **Tool Condition:** Do not operate the system if any parts are damaged or missing.

SETUP

Before first use, ensure all components are present and properly assembled.

Unpacking and Inspection

Carefully remove all contents from the packaging. Inspect the sharpening system and all accessories for any signs of damage during shipping. If any damage is found, do not operate the unit and contact customer support.

Component Identification



Figure 1: The BUCKTOOL 10-Inch Variable Speed Wet Sharpening System, showing the main unit with the 10-inch grinding wheel on the left and the 8-inch leather stropping wheel on the right. The water tray is visible below the grinding wheel.

ACCESSORY



Grinding Jig



Short Knife Jig



Wrench



Angle Guide



Sharpening Stone



Honing Compound

Figure 2: A display of the various accessories included with the sharpening system, such as the grinding jig, short knife jig, wrench, angle guide, sharpening stone, and honing compound. These accessories aid in achieving precise sharpening results.

Water Tray Preparation

The sharpening system utilizes a wet grinding process to keep tools cool and prevent residue buildup. Before operation, fill the water tray located beneath the grinding wheel with clean water. Ensure the water level is sufficient to keep the lower portion of the grinding wheel submerged during operation.



1000 Grit GRINDING WHEEL for WET SHARPENER

Figure 3: A close-up view of the 1000 Grit Grinding Wheel, designed for wet sharpening systems. This wheel provides a fine, consistent abrasive surface for high-precision grinding and sharpening.

Compatibility

The 1000 grit grinding wheel included with this system is suitable for Bucktool and other 10-inch wet sharpeners that feature a 12mm shaft hole.



SUITABLE for Bucktool, and OTHER 10-INCH WET SHARPENER with 12mm SHAFT HOLE

Figure 4: This image illustrates the compatibility of the 1000 grit grinding wheel, indicating it can be used with Bucktool and other 10-inch wet sharpeners that have a 12mm shaft hole.

OPERATING INSTRUCTIONS

Power On/Off and Speed Control

To power on the unit, locate the power switch. The system features a variable speed control knob, allowing you to adjust the rotational speed from 90 to 160 RPM for maximum precision. Turn the knob clockwise to increase speed and counter-clockwise to decrease it. To turn off the unit, set the power switch to the 'OFF' position.



10" VARIABLE SPEED WET SHARPENER

MOTOR	1.0 A - 1.2 A	WET WHEEL	10" X 2" X 1/2"
WHEEL SPEED	90 - 160 RPM	STROPPING WHEEL	8"

Figure 5: The front panel of the sharpening system, highlighting the variable speed dial (90-160 RPM) and the forward/reverse/off power switch. This allows for precise control over the sharpening process.

Reverse Switch Function

The rotational direction of the grinding wheel can be reversed by pushing the power switch up or down. This feature is particularly useful for wood turners, woodworkers, and knife makers, allowing for sharpening in both directions depending on the tool and desired edge.

Sharpening Process

- 1. Prepare the Tool:** Ensure the tool to be sharpened is clean and free of debris.
- 2. Select Jig/Guide:** Use the appropriate grinding jig or short knife jig for your tool. The angle guide can assist in setting the correct sharpening angle.
- 3. Position the Tool:** Securely position the tool against the grinding wheel at the desired angle. The wet grinding action will keep the tool cool.
- 4. Grind:** Apply light, consistent pressure as you move the tool across the grinding wheel. Allow the wheel to do the work.
- 5. Strop:** Once the desired edge is achieved on the grinding wheel, move to the leather stropping wheel. Apply a small amount of honing compound to the stropping wheel for a polished, razor-sharp finish.



RESIN MATERIAL ENHANCED DURABILITY and LONGEVITY of SHARPENER STONE

Figure 6: A close-up image demonstrating a tool being sharpened on the grinding wheel. This view emphasizes the resin material used in the wheel's construction, which enhances its durability and ensures a longer service life.

Applications

The BUCKTOOL Wet Sharpening System is versatile and can sharpen a wide range of metal tools, including but not limited to:

- Chisels
- Axes
- Gouges
- Cleavers
- Scrapers
- Scissors
- Cutters
- Scythes

MEETING MOST METAL TOOL SHARPENING NEEDS



CHISELS



AXES



GOUGES



CLEAVERS



SCRAPER



SCISSORS



CUTTERS



SCYTHES

AND MORE

Bucktool

Figure 7: An illustrative diagram showcasing the wide range of metal tools that can be effectively sharpened using the BUCKTOOL system, including various types of chisels, axes, gouges, cleavers, scrapers, scissors, cutters, and scythes.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sharpening system.

Cleaning the Water Tray

After each use, or periodically depending on frequency of use, empty and clean the water tray. This prevents the buildup of metal residue and ensures clean water for subsequent sharpening sessions. Rinse the tray thoroughly with clean water.

Grinding Wheel Care

The 1000 grit aluminum oxide grinding wheel is designed for durability. The resin process forms a protective layer, enhancing its lifespan. Periodically inspect the wheel for any signs of wear or damage. If the wheel becomes uneven or glazed, it may need to be dressed or replaced.

Leather Stropping Wheel Care

The leather stropping wheel requires occasional application of honing compound to maintain its effectiveness in polishing and finishing sharpened tools. Apply a small amount of compound evenly across the surface as needed.

General Cleaning

Wipe down the exterior of the unit with a damp cloth to remove any dust or debris. Do not use harsh chemicals or abrasive cleaners.

TROUBLESHOOTING

This section addresses common issues you might encounter with your sharpening system.

Unit Does Not Power On

- Check if the power cord is securely plugged into a working electrical outlet.
- Ensure the power switch is in the 'ON' or 'FORWARD'/'REVERSE' position.
- Verify that the circuit breaker has not tripped.

Grinding Wheel Not Rotating

- Confirm the unit is powered on and the motor is running.
- Check for any obstructions preventing the wheel from turning freely.
- If the motor runs but the wheel does not turn, there may be an issue with the drive mechanism; contact customer support.

Poor Sharpening Results

- Ensure the water tray is filled to keep the wheel and tool cool.
- Verify that the correct sharpening angle is being used for the tool. Utilize the angle guide.
- Check the grinding wheel for wear or glazing. It may need dressing or replacement.
- Ensure sufficient pressure is applied, but avoid excessive force which can slow the wheel.
- Apply honing compound to the leather stropping wheel for a finer edge.

SPECIFICATIONS

Feature	Specification
Model	SCM8103
Brand	Bucktool
Motor Power	1.0 A - 1.2 A
Wheel Speed	90 - 160 RPM (Variable)
Grinding Wheel Size	10-inch diameter x 2-inch width x 1/2-inch bore

Feature	Specification
Grinding Wheel Grit	1000 Grit (Fine)
Stropping Wheel Size	8-inch diameter
Color	Black
Number of Items	1 (Sharpening System)
ASIN	B0D7ZR9WTH
First Available	June 25, 2024

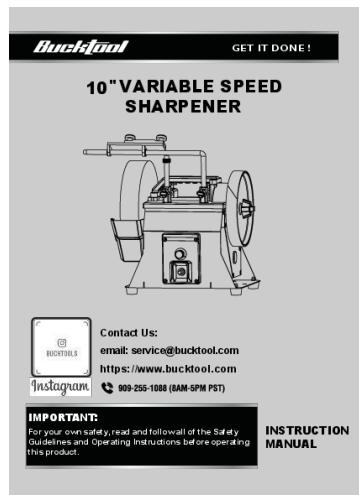
WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official Bucktool website. You can also visit the Bucktool Store on Amazon for more information and contact options.

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Documents - Bucktool – SCM8103



[\[pdf\]](#) User Manual Instructions Troubleshooting Guide Parts List Specifications
Warranty Diagram

SCM8103 User Manual BUCKTOOL 10 Inch Variable Speed Sharpening System 1 2 Amp Two Direction Water Cooled Wet Stone Grinder 90 160RPM Tools Home Improvement A12C2qK9IWLM media amazon images I |||

GET IT DONE 10 VARIABLE SPEED SHARPENER Contact Us: email: service bucktool.com https://www.buck ... parts diagram Operating instructions Maintenance Exploded view Parts list Troubleshooting Warranty **SCM8103** 2 3 8 9 15 16 17 18 19 20 TABLE OF CONTENTS SPECIFICATIONS Motor Wet Wheel size Stropping ... lang:en **score:35** filesize: 1.79 M page_count: 20 document date: 2024-02-05