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Bucktool SCM8103

BUCKTOOL 10-Inch Variable Speed Wet Sharpening System User Manual

Model: SCM8103

Brand: Bucktool

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your BUCKTOOL 10-Inch Variable Speed Wet Sharpening System. Please read this manual thoroughly before initial use and retain it for future reference.

The BUCKTOOL SCM8103 is a powerful and versatile wet sharpening system designed for precision sharpening of various tools. It features a 1.2-amp motor with variable speed control (90-160 RPM) and bi-directional rotation, ensuring optimal results for different sharpening tasks. The water-cooled system prevents overheating and maintains the integrity of your tools.



Image: The BUCKTOOL 10-Inch Variable Speed Wet Sharpening System, showcasing its main components including the sharpening wheel, stropping wheel, and control panel.

SAFETY INFORMATION

Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury. This section outlines critical safety guidelines specific to the wet sharpening system.

General Safety Rules:

- Read all instructions before operating the sharpener.
- Wear appropriate personal protective equipment (PPE), including safety glasses or a face shield, and hearing protection.

- Ensure the work area is clean, well-lit, and free from clutter.
- Do not operate the sharpener in damp or wet locations, or expose it to rain.
- Keep children and bystanders away from the operating area.
- Secure the sharpener to a stable workbench to prevent movement during operation.
- Disconnect the power supply before performing any adjustments, maintenance, or when changing accessories.
- Do not force the tool. Use the correct tool for the application.
- Maintain tools with care. Keep sharpening wheels clean and sharp for best performance.
- Check for damaged parts. Before further use, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- Use only recommended accessories.

Electrical Safety:

- Ensure the power supply voltage matches the rating on the sharpener's nameplate (120 Volts AC).
- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- Always use a properly grounded outlet.

PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- BUCKTOOL 10-Inch Variable Speed Wet Sharpening System (SCM8103)
- Chisel Jig
- Short Knife Jig
- Angle Guide
- Sharpening Stone (10" x 2" x 0.5")
- Leather Stropping Wheel (8" x 1.2" x 0.5")
- Honing Compound
- Wrench

ACCESSORY



Grinding Jig



Short Knife Jig



Wrench



Angle Guide



Sharpening Stone



Honing Compound

Image: A visual representation of the included accessories: Grinding Jig, Short Knife Jig, Wrench, Angle Guide, Sharpening Stone, and Honing Compound.

SETUP

Follow these steps to set up your wet sharpening system before first use.

- Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
- Placement:** Place the sharpening system on a stable, level workbench. Ensure there is adequate space around the unit for safe operation and water splash.
- Securing the Unit:** For optimal stability and safety, it is recommended to bolt the unit to your workbench using appropriate fasteners (not included).
- Water Reservoir:** Fill the water reservoir with clean water. The water level should be sufficient to keep the lower portion of the grinding wheel submerged during operation. This ensures proper cooling and prevents residue buildup.



90-160 RPM WET STONE(220 GIRT)



GRINDING JIG



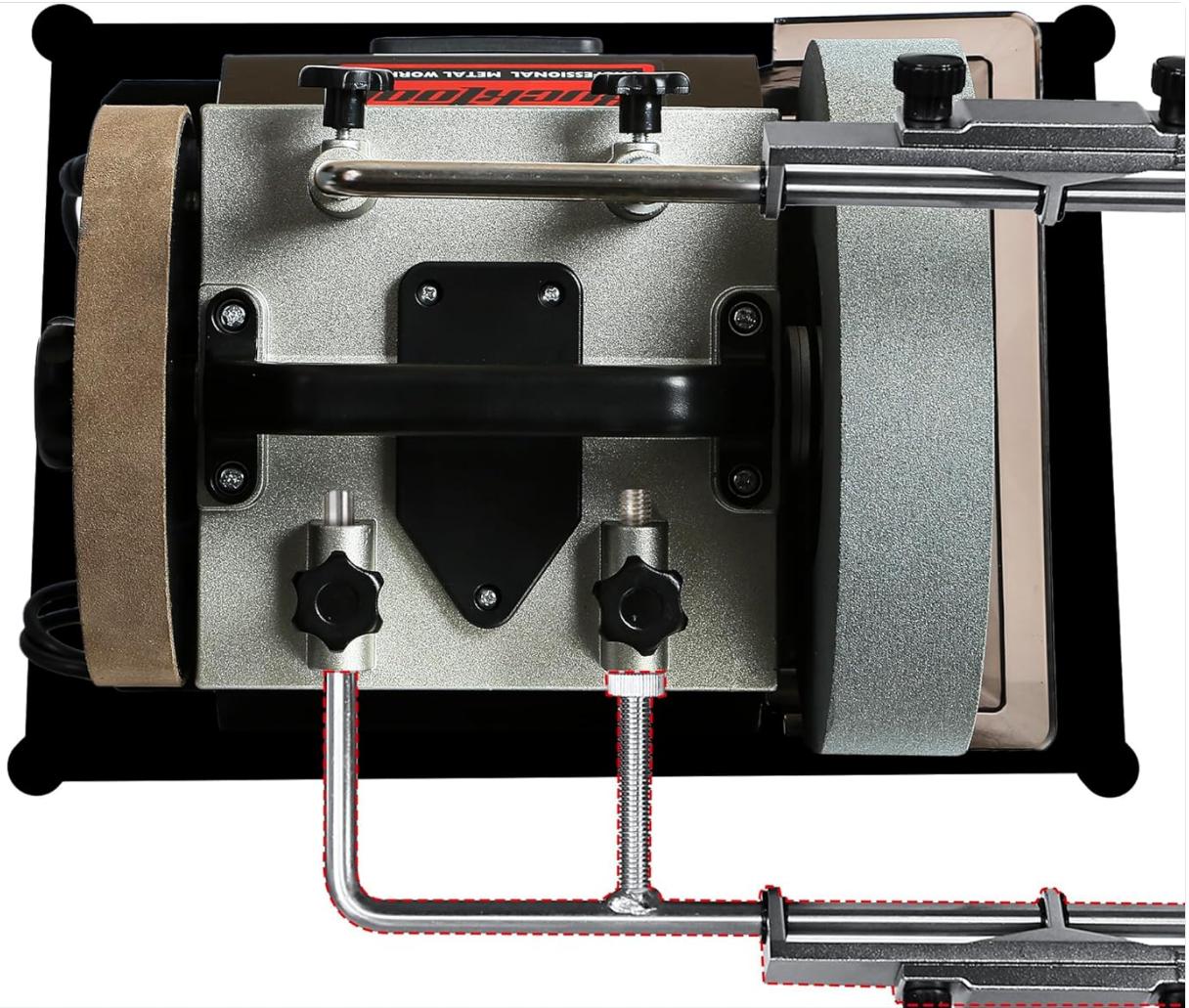
UNIVERSAL SUPPORT MOUNTS KNOBS



WATER RESERVOIR

Image: Close-up view highlighting the 90-160 RPM wet stone (220 grit) and the water reservoir, indicating where water should be added.

5. **Universal Jig Support:** Install the universal jig support. This support can be mounted in both horizontal and vertical positions to accommodate various sharpening needs and jigs.



HORIZONTAL OR VERTICAL MOUNTING UNIVERSAL SUPPORT

Image: Diagram showing the flexibility of the universal support for both horizontal and vertical mounting configurations.

6. **Power Connection:** Connect the power cord to a grounded 120V AC outlet.

OPERATING INSTRUCTIONS

This section details the steps for operating your BUCKTOOL wet sharpening system.

Controls Overview:

- **Variable Speed Knob:** Adjusts the rotational speed of the wheels from 90 RPM to 160 RPM for precise control during sharpening.
- **Direction Control Switch:** Allows you to reverse the rotational direction of the wheels (Forward/Reverse).



SPEED CONTROLLER



UNIVERSAL SUPPORT



ON/OFF DIRECTIONAL SWITCH



LEATHER STROPPING WHEEL

Image: Detailed view of the control panel, showing the speed controller knob and the ON/OFF directional switch.

Sharpening Process:

- Power On:** Turn on the sharpener using the main power switch.
- Select Direction:** Choose the desired rotation direction (forward or reverse) using the direction control switch.
- Adjust Speed:** Rotate the variable speed knob to set the appropriate RPM for your sharpening task. Lower speeds are generally preferred for more precise work.



10" VARIABLE SPEED WET SHARPENING SYSTEM

Image: The sharpening system in operation, highlighting the 10-inch wet sharpening wheel and the variable speed range of 90-160 RPM.

4. **Use Jigs:** Utilize the provided jigs (Chisel Jig, Short Knife Jig) and the angle guide to maintain a consistent and correct sharpening angle. The universal jig support ensures stable tool positioning.



Precise Sharpening



Image: A hand demonstrating the use of the angle guide for precise sharpening on the wet stone.

5. **Grinding:** Gently apply the tool to the wet grinding wheel, maintaining the correct angle. The water-cooled system will prevent the tool from overheating. Continue until the desired edge is achieved.
6. **Stropping/Honing:** After grinding, use the leather stropping wheel with the honing compound to polish and refine the edge, removing any burrs and achieving a razor-sharp finish.
7. **Tool Compatibility:** This sharpener is suitable for a wide range of tools including chisels, axes, gouges, cleavers, scrapers, cutters, and scissors.

MEETING MOST METAL TOOL SHARPENING NEEDS



CHISELS



AXES



GOUGES



CLEAVERS



SCRAPER



SCISSORS



CUTTERS



SCYTHES

AND MORE

Bucktool
Buck It. Redefining Efficiency

Image: An illustration depicting various metal tools such as chisels, axes, gouges, cleavers, scrapers, cutters, and scissors, indicating the sharpener's versatility.

Official Product Video:

Watch this official product video for a visual guide on the features and operation of the BUCKTOOL Wet Sharpening System.

Your browser does not support the video tag.

Video: An official demonstration of the BUCKTOOL Variable Speed Wet Sharpener, showcasing its key features and how to use it for sharpening various tools.

MAINTENANCE

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

- **Water Replacement:** Regularly change the water in the reservoir to ensure clean cooling and prevent buildup of sharpening residue.
- **Wheel Dressing:** Periodically dress the grinding wheel to maintain its shape and expose fresh abrasive surfaces.

Use the included sharpening stone for this purpose.

- **Cleaning:** After each use, wipe down the unit with a damp cloth to remove any dust or debris. Ensure the unit is unplugged before cleaning.
- **Storage:** Store the sharpener in a dry, clean environment away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

This section addresses common issues you might encounter and provides solutions.

Problem	Possible Cause	Solution
Sharpener does not turn on.	No power supply; Power switch off; Faulty cord/plug.	Check power outlet; Ensure switch is ON; Inspect cord for damage, contact support if damaged.
Wheels not rotating or rotating slowly.	Speed knob set too low; Motor overload; Obstruction.	Adjust speed knob; Reduce pressure on tool; Check for obstructions around wheels.
Poor sharpening results.	Incorrect angle; Worn or glazed wheel; Insufficient water.	Use angle guide; Dress the grinding wheel; Ensure water reservoir is adequately filled.
Excessive vibration.	Unit not secured; Unbalanced wheel.	Securely mount the unit; Dress the grinding wheel to balance it.

SPECIFICATIONS

Feature	Detail
Brand	Bucktool
Model Number	SCM8103
Motor Power	1.2 Amps (1/5 HP)
Voltage	120 Volts (AC)
Maximum Rotational Speed	160 RPM
Wet Wheel Size	10" Diameter x 2" Width x 0.5" Bore
Wet Wheel Grit	220 (Fine)
Stropping Wheel Size	8" Diameter x 1.2" Width x 0.5" Bore
Product Dimensions (L x W x H)	18.11" x 10.63" x 15.75"
Item Weight	36.8 pounds
Included Components	Chisel Jig, Short Knife Jig, Angle Guide, Sharpening Stone, Honing Compound, Wrench

PRODUCT DIMENSION



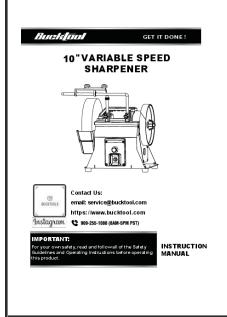
Image: A diagram illustrating the product dimensions: 18.11 inches (length), 10.63 inches (width), and 15.75 inches (height).

WARRANTY & SUPPORT

The BUCKTOOL 10-Inch Variable Speed Wet Sharpening System (SCM8103) comes with a 2-year warranty from the date of purchase, covering defects in materials and workmanship. Please retain your proof of purchase for warranty claims.

For technical support, warranty claims, or to order replacement parts, please contact Bucktool customer service. You can also refer to the official user manual PDF for additional details and diagrams: [BUCKTOOL SCM8103 User Manual \(PDF\)](#).

Related Documents - SCM8103

 The image shows the front cover of the Bucktool SCM8103 10" Variable Speed Sharpener instruction manual. It features the Bucktool logo at the top, followed by the product name '10" VARIABLE SPEED SHARPENER'. Below the text is a black and white photograph of the sharpener machine. At the bottom, there is contact information: 'Contact Us: email: service@bucktool.com', 'Phone: 800-251-1000', and 'Fax: 800-251-0999'. A 'Facebook' icon is also present. A small 'IMPORTANT' section and an 'INSTRUCTION MANUAL' label are at the bottom right.	<p>Bucktool SCM8103 10" Variable Speed Sharpener - Instruction Manual Official instruction manual for the Bucktool SCM8103 10" Variable Speed Sharpener. This guide covers safety, operation, maintenance, and troubleshooting for the wet stone sharpening system.</p>
 The image shows the front cover of the Bucktool BG2600 6" Bench Grinder & 2" x 42" Sander Combo user manual and safety guide. It features the Bucktool logo at the top, followed by the product name '6" Bench Grinder & 2" x 42" Sander Combo'. Below the text is a black and white photograph of the grinder and sander. At the bottom, there is contact information: 'Contact Us: email: service@bucktool.com', 'Phone: 800-251-1000', and 'Fax: 800-251-0999'. A 'Facebook' icon is also present. A small 'IMPORTANT' section and an 'INSTRUCTION MANUAL' label are at the bottom right. A 'CSA' certification logo is visible on the right side.	<p>Bucktool BG2600 6" Bench Grinder & 2" x 42" Sander Combo - User Manual & Safety Guide Comprehensive user manual and safety guide for the Bucktool BG2600 6-inch Bench Grinder and 2x42-inch Belt Sander Combo. Includes specifications, operating instructions, maintenance, troubleshooting, and parts list.</p>