

Scheppach Tiger 7000s

Scheppach Tiger 7000s Wet-Grinding System

INSTRUCTION MANUAL

Model: Tiger 7000s

1. Introduction

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your Scheppach Tiger 7000s wet-grinding system. Please read it thoroughly before initial use and keep it for future reference.

The Scheppach Tiger 7000s is a versatile wet sanding system designed for sharpening various tools and kitchen aids, such as knives. Its robust design includes a sturdy water tank for continuous cooling of the whetstone, preventing blade overheating. The motor and switch are protected from water splashes, ensuring durability and safety.

Key Features:

- Removable leather puller for deburring after grinding.
- Angle gauge for precise grinding angle adjustment.
- Removal paste for polishing ground parts.
- Powerful 200 W induction motor.
- Four rubber feet for vibration compensation and high stability.
- Special corundum whetstone with aluminum oxide for optimal grinding results on hard steel.
- Includes Homekit: Stone Groomer, Removal Paste/Angle Gauge, and Sanding Devices 40/60/70.



Figure 1: Scheppach Tiger 7000s Wet-Grinding System with included accessories, showing the main unit, grindstone, leather honing wheel, various jigs, angle gauge, and polishing paste.

2. Safety Instructions

Always observe general safety regulations when operating power tools. Ensure the work area is clean and well-lit. Keep children and bystanders away. Do not operate the machine in damp or wet conditions. Wear appropriate personal protective equipment, including eye protection.

- Before connecting the machine, ensure the voltage matches your power supply.
- Never immerse the motor unit in water.
- Always disconnect the power supply before performing any adjustments, maintenance, or when the machine is not in use.
- Ensure the water tank is filled to the correct level before starting operation to prevent overheating of the grinding wheel and workpiece.
- Do not force the tool. Let the machine and grinding wheel do the work.
- Regularly check the power cord for damage.

3. Setup

The Scheppach Tiger 7000s is designed for straightforward assembly. Place the unit on a stable, level surface. The integrated rubber feet provide stability and reduce vibration during operation.

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged.
2. **Positioning:** Place the grinding system on a sturdy workbench or table. Ensure there is sufficient space around the unit for safe operation and access to the water tank.
3. **Water Tank:** Position the water tank correctly under the grinding wheel.
4. **Grinding Wheel Installation:** Ensure the corundum grinding wheel (250 x 50 mm, 220K grit) is securely mounted.
5. **Honing Wheel Installation:** Mount the leather honing wheel (200 x 30 mm) on the opposite side.
6. **Support Bar:** Install the universal support bar for jigs.

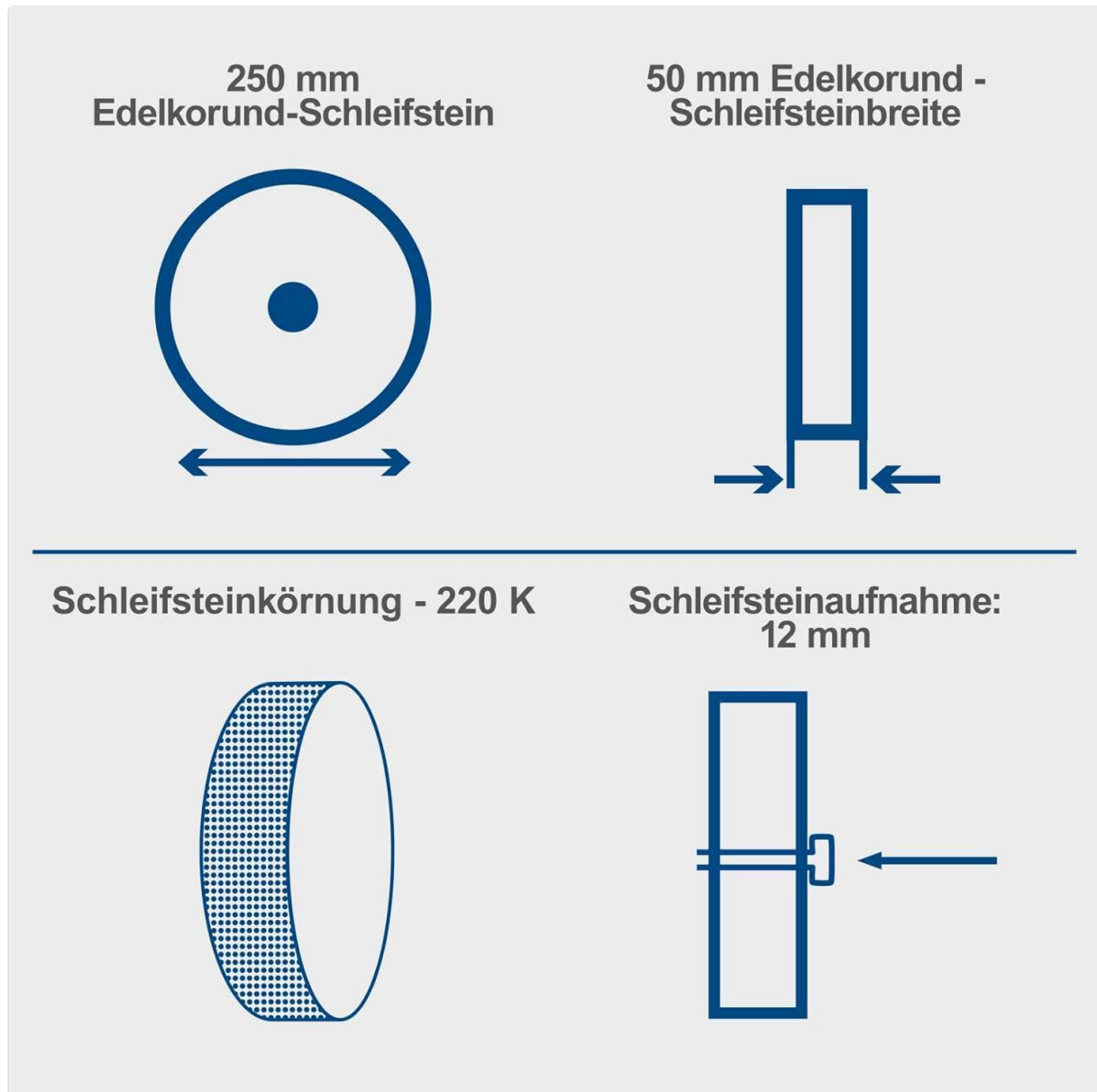
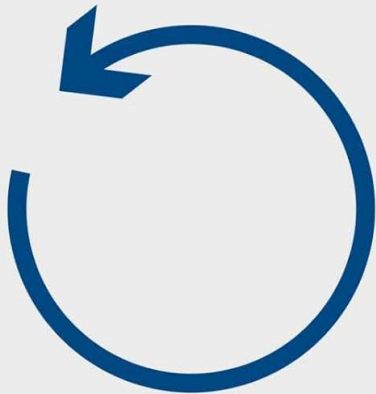


Figure 2: Technical specifications of the grinding wheel, including its 250 mm diameter, 50 mm width, 220K grit, and 12 mm bore for mounting.

Drehzahl 115/min



**Lederabziehscheibe
200 x 30 mm**



Figure 3: Operational details, showing a rotation speed of 115 revolutions per minute and the dimensions of the leather honing wheel (200 x 30 mm).

4. Operating Instructions

The wet-grinding system is designed for precise and cool sharpening. Always ensure the water tank is adequately filled before starting the machine.

4.1 Filling the Water Tank

Bruchsicherer Wassertank verhindert
Ausglühen der Schneide.



Figure 4: Filling the robust water tank. The tank prevents the blade from overheating during grinding by continuously cooling the whetstone.

Before each use, fill the water tank with clean water. The water level should be sufficient to immerse the lower part of the grinding wheel. This ensures continuous cooling and prevents the workpiece from losing its temper (annealing).

4.2 Using the Angle Gauge

ANWENDUNG MIT INKLUSIVEM ZUBEHÖR



Universalvorrichtung geeignet für viele gerade Standardwerkzeuge.



Die Abziehpaste dient zur Politur des Werkstücks.



Die Winkellehre ermöglicht das schnelle Einstellen des erforderlichen Schleifwinkels.

Figure 5: Top image shows a universal jig for straight standard tools. Middle image shows applying polishing paste to the leather honing wheel. Bottom image shows using the angle gauge to quickly set the required grinding angle.

The included angle gauge is crucial for achieving consistent and precise sharpening results. Use it to determine and set the correct grinding angle for your specific tool before you begin grinding. This ensures optimal sharpness and edge durability.

4.3 Grinding Process

- **Tool Preparation:** Secure your tool in the appropriate grinding jig. For example, the universal jig is suitable for many straight standard tools.
- **Grinding:** Gently guide the tool against the rotating grinding wheel, maintaining the angle set with the angle gauge. Apply light, consistent pressure. The wet grinding process will create a burr on the opposite side of the edge.
- **Deburring with Leather Honing Wheel:** After grinding, use the leather honing wheel to remove the burr and achieve a perfectly sharp edge. Apply the removal paste to the leather wheel for polishing.

Die Lederscheibe beseitigt den Grat und sorgt somit für eine perfekte Schärfe.



Figure 6: The leather honing wheel removes the burr (grat) from the sharpened edge, ensuring perfect sharpness and a polished finish.

4.4 Applications with Included Accessories



ANWENDUNGSBEISPIELE

GEEIGNET FÜR

Drehselwerkzeug



Scheren



Äxte



Messer

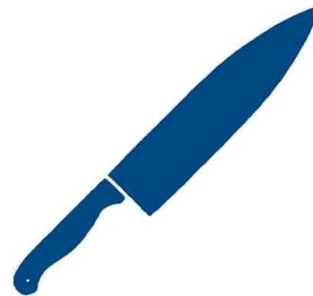


Figure 7: Examples of applications for the grinding system, including turning tools, scissors, axes, and knives.

ANWENDUNG MIT INKLUSIVEM ZUBEHÖR



Figure 8: Top image shows sharpening an axe up to 170 mm head length. Middle image shows using a stone groomer to increase grit for fine finishes or for high material removal. Bottom image shows sharpening a knife with a blade length from 40 mm to 200 mm.

The Homekit includes various sanding devices (40/60/70) and a stone groomer to adapt the grinding wheel's surface for different tasks:

- **Axes:** The system can sharpen axes with a head length up to 170 mm.
- **Knives:** Suitable for knives with blade lengths ranging from 40 mm to 200 mm.
- **Stone Groomer:** Use the stone groomer to adjust the grit of the grinding stone. One side increases the grit for particularly fine finishes, while the other side is effective for high material removal.

4.5 Applications with Optional Accessories (Not Included)

ANWENDUNG MIT OPTIONALEM ZUBEHÖR (NICHT ENTHALTEN)



Schleift schräge Schneiden, Röhren und Hohleisen.



Ideal für alle geraden Scheren und Heckenscheren.

Figure 9: Top image shows sharpening angled edges, pipes, and gouges using an optional jig. Bottom image shows sharpening all straight scissors and hedge trimmers with another optional jig.

While the Homekit provides extensive capabilities, additional optional accessories can further expand the system's versatility, allowing for sharpening of angled edges, pipes, gouges, and various types of scissors and hedge trimmers.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your wet-grinding system.

- **Cleaning the Water Tank:** After each use, empty and clean the water tank to prevent algae growth and accumulation of grinding residue.
- **Grinding Wheel Care:** Periodically use the stone groomer to true and clean the grinding wheel surface, maintaining its cutting efficiency.
- **Leather Honing Wheel:** Keep the leather wheel clean and apply removal paste as needed for polishing.
- **General Cleaning:** Wipe down the machine with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the machine in a dry, dust-free environment when not in use.

6. Troubleshooting

This section addresses common issues you might encounter with your wet-grinding system.

Problem	Possible Cause	Solution
Motor does not start	No power supply; damaged power cord; faulty switch.	Check power connection and circuit breaker. Inspect power cord for damage. Contact qualified service personnel if switch is faulty.
Poor grinding results / Tool not sharp	Incorrect grinding angle; grinding wheel worn or glazed; insufficient water; burr not removed.	Use angle gauge to set correct angle. Use stone groomer to recondition grinding wheel. Ensure water tank is filled. Use leather honing wheel with paste to remove burr.
Grinding wheel not rotating smoothly	Obstruction; loose mounting; motor issue.	Disconnect power and check for obstructions. Ensure grinding wheel is securely mounted. If problem persists, contact service.
Excessive vibration or noise	Unstable surface; loose components; unbalanced grinding wheel.	Ensure unit is on a stable surface. Check all fasteners. Recondition grinding wheel with stone groomer to ensure balance.

7. Specifications

Feature	Detail
Model	Tiger 7000s
Manufacturer	Scheppach
Power Source	Corded Electric
Voltage	230 Volts (AC)
Wattage	200 watts
Grindstone Dimensions	250 x 50 mm
Grindstone Grit Rating	220K
Leather Honing Wheel Dimensions	200 x 30 mm
Rotation Speed	115 rpm
Item Weight	12.2 Kilograms (approx. 26.8 pounds)
Product Dimensions	17.72 x 14.57 x 14.17 inches

8. Warranty and Support


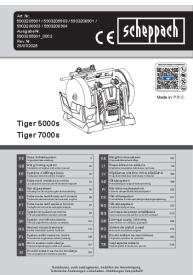

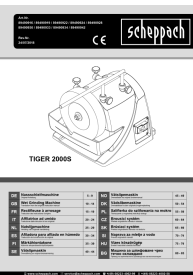
Information regarding product warranty and customer support is typically provided with the purchase documentation or can be found on the official Scheppach website. Please refer to these resources for details on warranty coverage, service centers, and technical assistance.

For further assistance, please contact Scheppach customer service or visit their official website:

- **Manufacturer:** Scheppach
- **Website:** www.scheppach.com (Please note: This is a placeholder link, verify the actual manufacturer website for support.)

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Related Documents - Tiger 7000s

	<p>Scheppach TIGER 2000S Wet Grinding System Manual</p> <p>User manual for the Scheppach TIGER 2000S wet grinding system, providing instructions on operation, maintenance, and safety.</p>
	<p>Scheppach Tiger 5000s / 7000s Nass-Schleifsystem Bedienungsanleitung</p> <p>Offizielle Bedienungsanleitung für das Scheppach Tiger 5000s und Tiger 7000s Nass-Schleifsystem. Enthält detaillierte Informationen zur Installation, Bedienung, Wartung und Sicherheit für präzises Werkzeugschärfen.</p>
	<p>Scheppach Tiger 2500 Wet Grinding Machine User Manual</p> <p>Comprehensive user manual for the Scheppach Tiger 2500 wet grinding machine, covering setup, operation, safety instructions, and maintenance. Includes specifications, diagrams, and troubleshooting information.</p>
	<p>Scheppach TIGER 2000S Wet Grinding Machine Manual</p> <p>Comprehensive user manual for the Scheppach TIGER 2000S wet grinding machine, covering setup, operation, safety instructions, and maintenance. Includes technical specifications and troubleshooting tips.</p>



[Scheppach TIGER 2500 Nassschleifmaschine Bedienungsanleitung](#)
Bedienungsanleitung für die Scheppach TIGER 2500 Nassschleifmaschine. Enthält Anleitungen zur Montage, Bedienung, Wartung und Sicherheit für professionelle und Heimwerker-Anwendungen.



[Scheppach DS920 Drywall Sander - Operating Instructions and Safety Guide](#)
Comprehensive operating instructions and safety guidelines for the Scheppach DS920 drywall and ceiling sander, covering installation, operation, maintenance, troubleshooting, and technical specifications.