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Scheppach TIGER7000S

Scheppach TIGER 7000S Wet Grinder Instruction Manual

This manual provides detailed instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of the Scheppach TIGER 7000S wet grinder.



Image: The Scheppach TIGER 7000S wet grinder, shown with its main components and included accessories like the

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1. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or damage to the equipment.

- Read and understand all instructions before operating the wet grinder.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the machine is placed on a stable, level surface to prevent tipping.
- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate the machine in damp or wet conditions, except for the grinding stone's water bath. Protect electrical components from water.
- Keep children and bystanders away while operating the machine.
- Never leave the machine unattended while it is running.
- Disconnect the power plug before making any adjustments, changing accessories, or performing maintenance.
- Do not force the tool. Use the correct tool for your application.
- Maintain tools with care. Keep sharpening tools sharp and clean for better and safer performance.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool repaired before use.

2. PACKAGE CONTENTS

The Scheppach TIGER 7000S wet grinder package typically includes the following components:

- Scheppach TIGER 7000S Wet Grinder Unit
- Corundum Grinding Stone (250 x 50 mm, K220 grit)
- Leather Honing Wheel (200 x 30 mm)
- Universal Device (Jig)

- Honing Paste
- Angle Jig / Angle Gauge

INKLUSIVE ZUBEHÖR



Universalvorrichtung geeignet für viele gerade Standardwerkzeuge.



Die Abziehpaste dient zur Politur des Werkstücks.



Die Winkellehre ermöglicht das schnelle Einstellen des erforderlichen Schleifwinkels.

Image: A visual representation of the included accessories: the universal device, honing paste, and angle jig, essential for precise sharpening.

3. SETUP AND ASSEMBLY

Follow these steps for the initial setup of your wet grinder:

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Placement:** Position the grinder on a stable, level workbench or surface. Ensure there is adequate space around the machine for safe operation.
3. **Water Tank:** Fill the water tank with clean water. The water level should be sufficient to immerse the lower portion of the grinding stone. This prevents overheating and preserves the cutting edge.

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



Image: A hand pouring water into the grinder's water tank, ensuring the grinding stone remains cool during operation.

4. **Universal Support Bar:** Attach the universal support bar to the designated mounting points on the grinder. This bar serves as a stable base for various sharpening jigs.
5. **Motor-to-Disc Transmission:** The motor drives the grinding stone via a friction wheel. Ensure the motor is properly aligned and gently pressed against the drive disc. Some models may require a slight adjustment of a screw to ensure optimal contact for transmission. Avoid excessive force.
6. **Power Connection:** Connect the power cord to a suitable electrical outlet (230V).

4. OPERATING INSTRUCTIONS

The Scheppach TIGER 7000S is designed for precise wet grinding of various tools. The low speed (max. 115 RPM) and water cooling prevent the tool from overheating, maintaining its temper.

4.1 General Sharpening Principles

- Always sharpen against the direction of rotation of the grinding stone.
- Use the angle jig to set the correct sharpening angle for your tool.
- Apply light, consistent pressure. Let the grinding stone do the work.

- After grinding, use the leather honing wheel with honing paste to remove any burrs and achieve a razor-sharp edge.

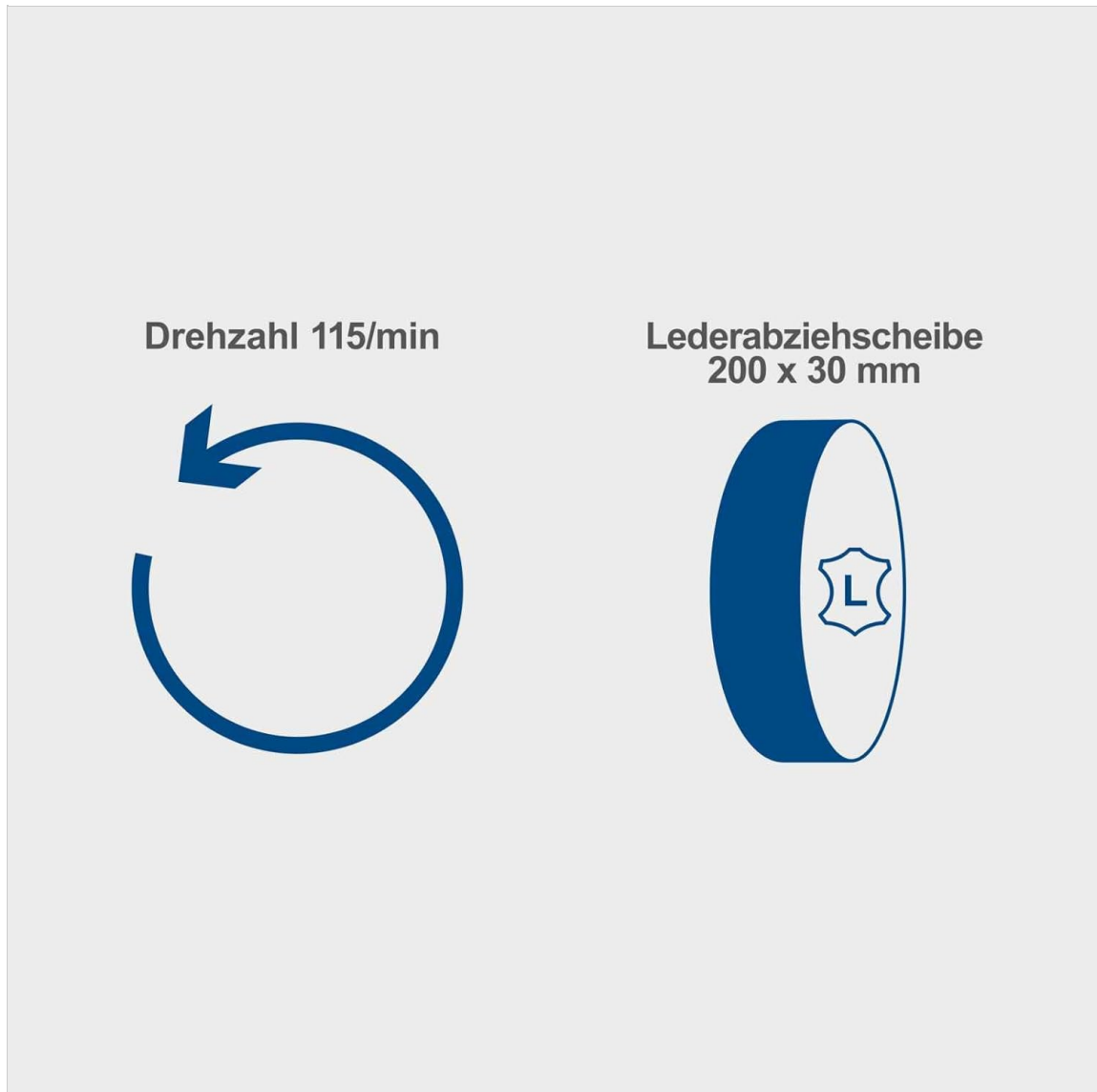


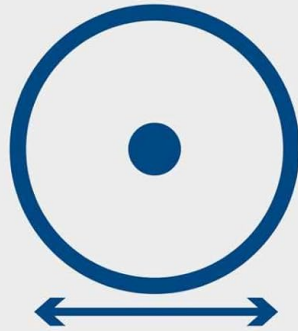
Image: Illustrates the grinding stone's rotation speed (115 RPM) and the dimensions of the leather honing wheel (200 x 30 mm).

4.2 Using the Angle Jig

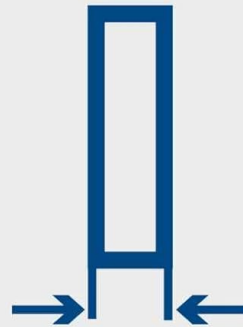
The included angle jig helps you set and maintain the correct sharpening angle for consistent results.

- Place the angle jig on the tool's edge.
- Adjust the tool in the universal device until the desired angle is achieved.

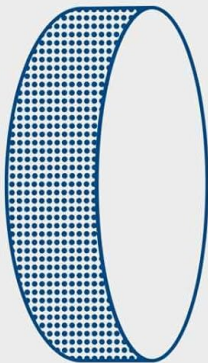
250 mm
Edelkorund-Schleifstein



50 mm Edelkorund -
Schleifsteinbreite



Schleifsteinkörnung - 220 K



Schleifsteinaufnahme:
12 mm

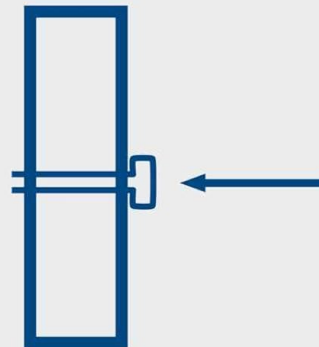


Image: Detailed specifications of the corundum grinding stone, including its 250 mm diameter, 50 mm width, K220 grit, and 12 mm bore.

4.3 Sharpening Applications

The TIGER 7000S is suitable for a variety of tools:

- **Chisels and Turning Tools:** Secure the tool in the universal device. Use the angle jig to set the correct bevel angle. Grind against the rotation of the stone.
- **Knives:** For knives with blade lengths from 40 mm to 200 mm, use the universal device. Maintain a consistent angle.
- **Axes:** Axes up to 170 mm head length can be sharpened. Use appropriate jigs or freehand sharpening with care.
- **Scissors and Hedge Trimmers:** Ideal for all straight scissors and hedge trimmers.



ANWENDUNGSBEISPIELE GEEIGNET FÜR

Drechselwerkzeug



Scheren



Äxte



Messer



Image: Illustrates various application examples, including turning tools, scissors, axes, and knives, demonstrating the versatility of the grinder.

ANWENDUNG MIT OPTIONALEM ZUBEHÖR (NICHT ENTHALTEN)



Schleift Äxte bis 170 mm Kopflänge.



Ideal für alle geraden Scheren und Heckenscheren.

Image: Demonstrates sharpening an axe and scissors, highlighting the use of optional accessories (not included) for specialized tasks.

4.4 Honing with Leather Wheel

After grinding, the leather honing wheel removes the burr and polishes the edge to a fine sharpness.

- Apply a small amount of honing paste to the leather wheel.
- Run the tool lightly against the rotation of the leather wheel, maintaining the sharpening angle.
- This step removes the burr and creates a polished, sharp edge.

Bruchsicherer Wassertank verhindert
Ausglühen der Schneide.



Image: A person applying honing paste to the leather honing wheel, a crucial step for achieving a perfect, burr-free edge.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Scheppach TIGER 7000S wet grinder.

- **Cleaning:** After each use, clean the machine to remove grinding residue. Disconnect from power before cleaning.
- **Water Tank:** Regularly drain and refill the water tank with fresh, clean water to prevent algae growth and maintain grinding efficiency.
- **Grinding Stone:** If the grinding stone becomes uneven or glazed, it can be dressed using a suitable stone dresser (often an optional accessory) to restore its cutting surface.
- **Leather Honing Wheel:** Keep the leather wheel clean. Reapply honing paste as needed. If the leather becomes dry or cracked, it may need conditioning or replacement.
- **General Inspection:** Periodically check all screws, nuts, and moving parts for tightness and wear. Replace worn or damaged parts immediately.

6. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

| Problem | Possible Cause | Solution |
|--|--|--|
| Machine does not start | No power supply; Faulty switch; Motor issue | Check power connection and outlet; Inspect power cord; Contact service if switch or motor is faulty. |
| Grinding stone not rotating or rotating slowly | Motor-to-disc transmission issue; Belt slippage (if applicable); Obstruction | Ensure proper contact between motor and drive disc (adjust if necessary); Check for obstructions; Contact service if internal drive issue. |
| Poor sharpening results / Tool not getting sharp | Incorrect sharpening angle; Grinding stone worn or glazed; Insufficient honing | Use angle jig to set correct angle; Dress or replace grinding stone; Ensure proper use of honing paste and leather wheel. |
| Excessive vibration or noise | Unstable surface; Loose components; Unbalanced grinding stone | Place on stable surface; Tighten all fasteners; Dress or replace unbalanced grinding stone. |
| Water leakage | Cracked water tank; Loose drain plug | Inspect water tank for damage; Ensure drain plug is securely closed. |

7. SPECIFICATIONS

Key technical specifications for the Scheppach TIGER 7000S wet grinder:

- **Model:** TIGER7000S
- **Motor:** 200W / 230V
- **Grinding Stone Speed:** Max. 115 RPM
- **Grinding Stone Diameter:** 250 mm
- **Grinding Stone Width:** 50 mm
- **Grinding Stone Grit:** K 220 (Corundum)
- **Leather Honing Wheel:** 200 x 30 mm
- **Dimensions (L x W x H):** 45 x 37 x 36 cm
- **Weight:** 12.2 kg
- **Material:** Metal (housing)

8. WARRANTY AND SUPPORT



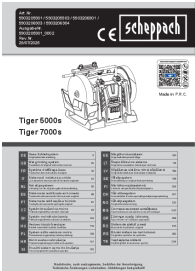

The Scheppach TIGER 7000S wet grinder comes with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions, including the warranty period and coverage details.

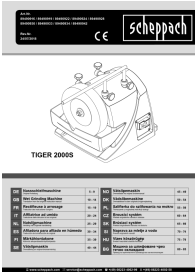
For technical assistance, spare parts, or warranty claims, please contact your authorized Scheppach dealer or the Scheppach customer service department. Contact information can typically be found on the Scheppach official website or in your product documentation.

Always provide the model number (TIGER7000S) and serial number (if applicable) when contacting support to ensure efficient service.

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Related Documents - TIGER7000S

| | |
|---|---|
|  | <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 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 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 Nassschleifmaschine Bedienungsanleitung</p> <p>Bedienungsanleitung für die Scheppach TIGER 2500 Nassschleifmaschine. Enthält Anleitungen zur Montage, Bedienung, Wartung und Sicherheit für professionelle und Heimwerker-Anwendungen.</p> |



[Scheppach TIGER 2000S Wet Grinding Machine Manual](#)

Comprehensive user manual for the Scheppach TIGER 2000S wet grinding machine, covering setup, operation, safety instructions, and maintenance. Includes technical specifications and troubleshooting tips.



[Scheppach MRS1300: Der vielseitige Renovierungsschleifer](#)

Entdecken Sie den Scheppach MRS1300, einen leistungsstarken Universal-Renovierungsschleifer für Metall, Kunststoff und Holz. Ideal für Schleif-, Polier- und Reinigungsarbeiten.