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## Einhell TC-WG 200

# Einhell TC-WG 200 Wet Bench Grinder User Manual

**Brand:** Einhell | **Model:** TC-WG 200

## PRODUCT OVERVIEW

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The Einhell wet sander TC-WG 200 is designed for precise sharpening of tools without causing damage to the workpiece. Its wet grinding system continuously supplies water to the cutting edge, effectively preventing frictional heat buildup and annealing of the disc. This versatile device offers flexibility for grinding a wide range of tools. It features a corrosion-free water tank for cooling and includes an angle gauge for precise sanding angle adjustments. The sanding wheel can be prepared using the included grindstone, and the workpiece can be polished with stripping paste. For stability, the unit is equipped with four rubber feet that dampen vibrations and ensure secure placement. The package includes a slow-running, fine-grained wet sanding wheel and a leather sanding wheel for deburring.



Figure 1: The Einhell TC-WG 200 Wet Bench Grinder with its included accessories, including the grinding wheel, honing wheel, angle gauge, and grindstone.

## IMPORTANT SAFETY INSTRUCTIONS

Always read and understand all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. 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.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

- **Wet Grinding Specifics:** Ensure the water tank is filled to the appropriate level before operation. Always use the wet grinding feature to prevent overheating of the workpiece and grinding wheel.

## COMPONENTS AND INCLUDED PARTS

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The Einhell TC-WG 200 Wet Bench Grinder comes with several key components and accessories to facilitate effective sharpening and polishing.

- **Wet Grinding Disc:** A slow-running, fine-grained wheel for primary sharpening.
- **Leather Honing Wheel:** Used for deburring and achieving a polished finish.
- **Angle Gauge:** A tool to accurately set and maintain the desired grinding angle.
- **Grindstone:** For preparing and dressing the wet grinding disc.
- **Water Tank:** Integrated corrosion-free tank for cooling the workpiece during wet grinding.
- **Tool Rest/Support:** Adjustable support for holding tools against the grinding wheel.
- **Rubber Feet:** Four feet designed to dampen vibrations and provide stable operation.

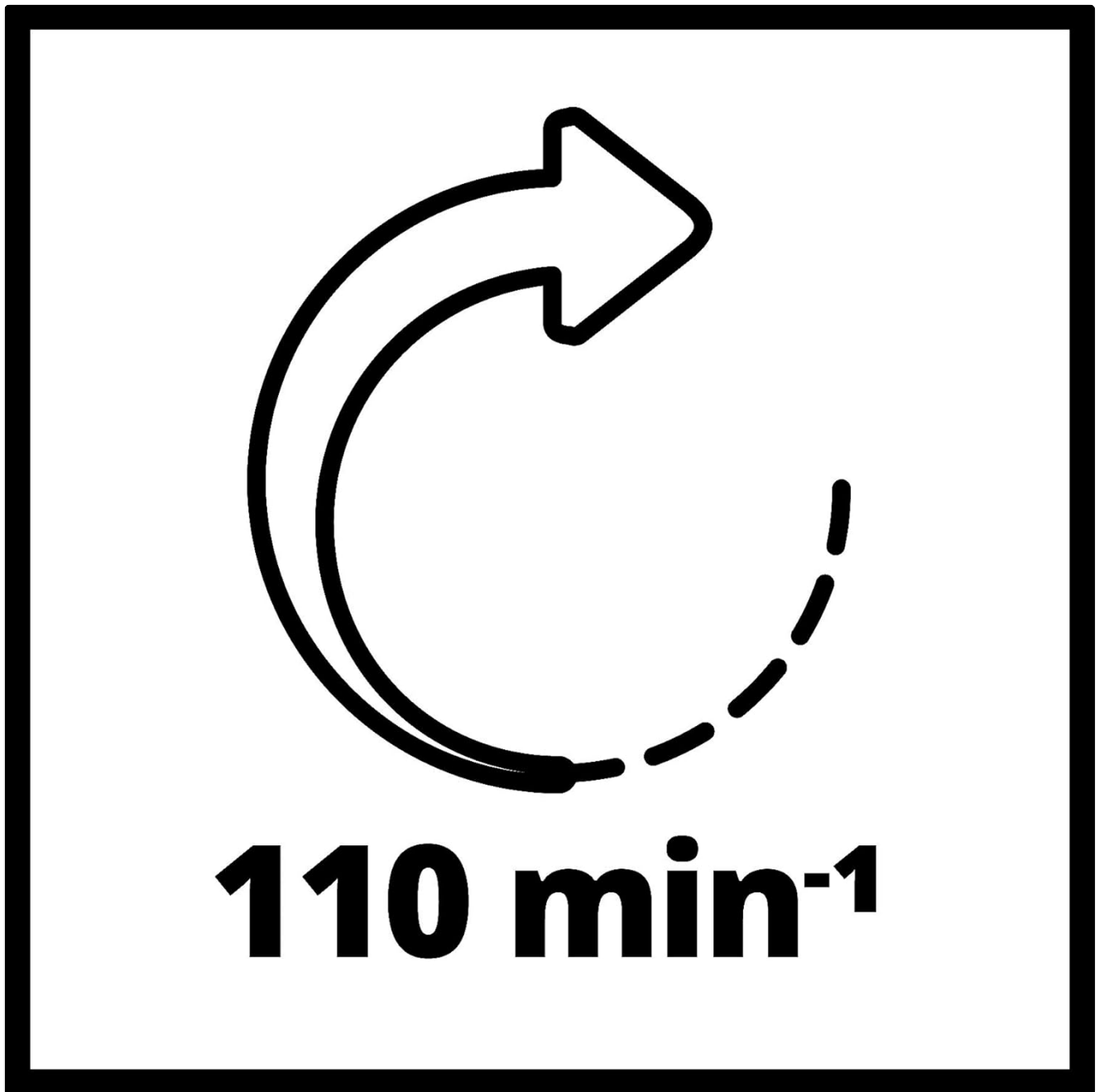


Figure 2: Key accessories included with the grinder, showing the angle gauge, grindstone, and tool rest.

## SETUP AND ASSEMBLY

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1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Placement:** Place the grinder on a stable, level, and secure workbench or surface. Ensure the four rubber feet are firmly seated to dampen vibrations and provide stability.



*Figure 3: The robust rubber feet ensure stable and vibration-dampened operation.*

3. **Water Tank:** Fill the integrated corrosion-free water tank with clean water up to the indicated maximum level. This water is crucial for cooling the workpiece and preventing overheating during grinding.



*Figure 4: The water tank, essential for wet grinding, positioned beneath the grinding wheel.*

4. **Tool Rest Installation:** Attach the tool rest to the designated mounting points on the grinder. Secure it firmly using the provided fasteners. This provides a stable platform for guiding your tools.





*Figure 5: Detail of the tool rest mounting mechanism.*

5. **Power Connection:** Connect the power cord to a suitable 125 Volt AC power outlet. Ensure the power switch is in the "OFF" position before plugging in.

## OPERATING INSTRUCTIONS

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The Einhell TC-WG 200 is designed for efficient and precise sharpening. Follow these steps for optimal results.

1. **Prepare the Grinding Wheel:** Before initial use or if the grinding wheel becomes uneven, use the included grindstone to dress and prepare its surface. This ensures a consistent and effective grinding action.
2. **Set the Angle:** Use the angle gauge to determine and set the correct grinding angle for your tool. Adjust the tool rest accordingly to maintain this angle during grinding.



Figure 6: The angle gauge assists in precise angle setting for various tools.

3. **Start the Grinder:** Turn on the power switch. The 125 W motor will accelerate the wet sanding wheel to approximately 110 RPM. This slow speed is ideal for fine sanding and prevents overheating.

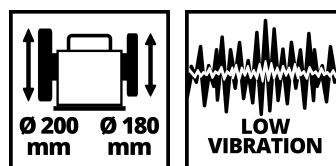


Figure 7: Visual indicators for the grinder's slow speed and wet operation.

4. **Grinding:** Gently apply the tool to be sharpened against the wet grinding wheel, maintaining the set angle. Move the tool consistently across the wheel's surface. The continuous water supply will keep the tool cool.





*Figure 8: Proper technique for sharpening a tool on the wet bench grinder.*

5. **Honing and Polishing:** After grinding, switch to the leather honing wheel to remove any burrs and achieve a finer, polished edge. For an even better finish, apply stripping paste to the leather wheel before honing.
6. **Finishing:** Once the desired sharpness and finish are achieved, turn off the grinder and carefully remove the tool.

## MAINTENANCE AND CARE

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Regular maintenance ensures the longevity and optimal performance of your Einhell TC-WG 200 Wet Bench Grinder.

- **Clean Water Tank:** Regularly empty and clean the water tank to prevent algae buildup and ensure a continuous supply of clean cooling water.
- **Wheel Dressing:** Periodically dress the wet grinding wheel with the grindstone to maintain its shape and expose fresh abrasive particles.
- **Inspect Wheels:** Check both the wet grinding wheel and the leather honing wheel for wear or damage. Replace them if necessary.
- **General Cleaning:** After each use, wipe down the exterior of the grinder with a damp cloth to remove any grinding residue. Ensure no water enters electrical components.



- **Storage:** Store the grinder in a dry, clean place, away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your wet bench grinder.

Problem	Possible Cause	Solution
Grinder does not start.	No power supply; faulty switch; motor issue.	Check power cord and outlet. Ensure switch is ON. If problem persists, contact support.
Grinding wheel not rotating or rotating slowly.	Motor overload; obstruction; worn belt (if applicable).	Reduce pressure on the wheel. Check for obstructions. Ensure proper voltage supply.
Poor sharpening results.	Incorrect angle; worn grinding wheel; insufficient water.	Verify angle with gauge. Dress or replace grinding wheel. Ensure water tank is full.
Excessive vibration.	Uneven surface; unbalanced wheel; loose components.	Ensure grinder is on a stable, level surface. Dress the grinding wheel. Check all fasteners.

## TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Einhell
Model Number	4418008
Power Source	AC
Voltage	125 Volts
Wattage	125 watts
Maximum Rotational Speed	110 RPM
Wet Grinding Wheel Diameter	200 mm
Leather Honing Wheel Diameter	180 mm
Grit Type (Wet Wheel)	Fine (Grit 200)
Item Weight	16.13 pounds (7.33 Kilograms)
Product Dimensions (L x W x H)	13.62 x 9.29 x 10.08 inches
Material	Rubber (for feet)
Color	Red, Black



Figure 9: Visual representation of the grinding and honing wheel dimensions.

## WARRANTY AND SUPPORT




For detailed warranty information, please refer to the documentation included with your product or visit the official Einhell website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.



If you encounter any issues or require technical assistance, please contact Einhell customer support. Have your model number (TC-WG 200) and purchase details ready when contacting support.

You can often find support contact information on the manufacturer's website or in the product packaging. For general inquiries, you may visit the [Einhell official website](#).

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## Related Documents - TC-WG 200

	<p><a href="#">Einhell TC-WG 200 Wet Grinder Operating Manual</a></p> <p>Official operating instructions for the Einhell TC-WG 200 wet grinder, detailing its parts, operation, and specifications for safe and effective use.</p>
	<p><a href="#">Einhell TC-VC 1930 S Nass-Trockensauger - Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für den Einhell TC-VC 1930 S Nass-Trockensauger. Enthält Sicherheitshinweise, Montage-, Bedienungs-, Reinigungs- und Wartungsanleitungen sowie Garantieinformationen.</p>
	<p><a href="#">Einhell TE-SC 920 L Stone Cutting Machine Operating Instructions</a></p> <p>Comprehensive operating instructions and safety guidelines for the Einhell TE-SC 920 L stone cutting machine, covering setup, operation, maintenance, and safety precautions.</p>

	<p><a href="#">Einhell TC-VC 1812/1 S Nass-Trockensauger Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung und Sicherheitshinweise für den Einhell TC-VC 1812/1 S Nass-Trockensauger. Erfahren Sie mehr über Montage, Bedienung, Wartung und Entsorgung.</p>
	<p><a href="#">Einhell TC-BG 150 B Doppelschleifer Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für den Einhell TC-BG 150 B Doppelschleifer. Enthält Sicherheitshinweise, technische Daten, Bedienungs- und Wartungsanleitungen sowie Garantieinformationen.</p>
	<p><a href="#">Einhell TE-AG 125/1010 CE Q Angle Grinder - Product Information and Components</a></p> <p>Overview of the Einhell TE-AG 125/1010 CE Q angle grinder, detailing its key components and product identification numbers. Information regarding full manual access is also provided.</p>