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- › [Tormek](#) /
- › [Tormek T-4 Chef's Kit Instruction Manual](#)

Tormek T-4 Chef's Kit

Tormek T-4 Chef's Kit Instruction Manual

Model: T-4 Chef's Kit

INTRODUCTION

The Tormek T-4 Chef's Kit is a comprehensive water-cooled sharpening system designed for precision sharpening of kitchen knives and various tools. This kit combines the Tormek T-4 sharpener with a selection of specialized jigs to ensure optimal sharpness and edge retention for your culinary instruments.



Image: The Tormek T-4 Water Cooled Sharpening System, the core unit of the Chef's Kit.

PRODUCT COMPONENTS

The Tormek T-4 Chef's Kit includes the following items:

- **Tormek T-4 Original:** The main water-cooled sharpening machine with an 8-inch grinding wheel and honing wheel.
- **PA-70 Honing Compound:** Used for polishing the edge on the leather honing wheel.
- **SP-650 Stone Grader:** For adjusting the grit surface of the grinding wheel.
- **WM-200 Angle Master:** A tool for accurately setting and measuring the sharpening angle.
- **KJ-45 Centering Knife Jig:** Designed for sharpening various knives, ensuring the blade is centered.
- **KJ-140 Wide Centering Knife Jig:** For longer and wider knives, providing stable support.
- **SVM-00 Small Knife Holder Jig:** Specifically for sharpening very small knives and carving tools.
- **SVX-150 Scissor Jig:** For sharpening scissors with precision.
- **MH-380 Machine Cover:** To protect the machine from dust and debris when not in use.



Image: The KJ-45 Centering Knife Jig.



Image: The KJ-140 Wide Centering Knife Jig.



Image: The SVM-00 Small Knife Holder Jig.



Image: The SVX-150 Scissor Jig.



Image: The WM-200 Angle Master for setting sharpening angles.

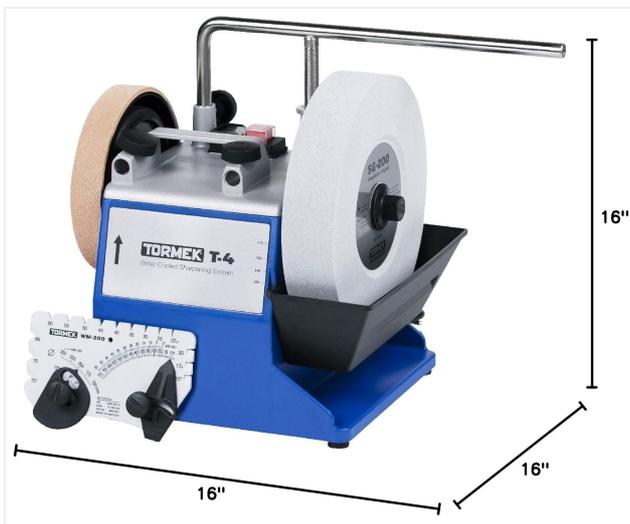


Image: The MH-380 Machine Cover.

SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future storage or transport.
2. **Placement:** Place the Tormek T-4 unit on a stable, level, and non-slip surface. Ensure adequate space around the machine for safe operation.
3. **Fill Water Trough:** Fill the water trough with clean water until the grinding wheel is partially submerged. The water level should be approximately 1 cm below the top edge of the grinding wheel.
4. **Power Connection:** Connect the power cord to a standard 115-volt electrical outlet. **Important:** This machine is designed for 115V operation in North America. Using it with 220-240V will damage the motor.
5. **Install Universal Support Bar:** Insert the universal support bar into the desired mounting sleeves on the machine. Secure it with the locking knobs. This bar is essential for mounting jigs.
6. **Prepare Grinding Wheel (Optional):** For initial use or if the stone surface is uneven, use the SP-650 Stone Grader to true and grade the grinding wheel. Follow the instructions provided with the SP-650 for proper use.

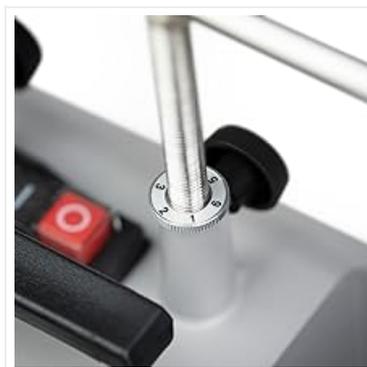


Image: Close-up of the Tormek T-4's handle and controls, showing the universal support bar attachment points.

OPERATING INSTRUCTIONS

The Tormek T-4 operates at a low RPM, ensuring a safe and controlled sharpening process that prevents overheating of the tool's edge.

1. Setting the Sharpening Angle with WM-200 Angle Master

1. Attach the WM-200 Angle Master to the universal support bar.
2. Place the tool (e.g., knife) in the appropriate jig.
3. Adjust the height of the universal support bar until the desired angle is indicated on the Angle Master. Lock the support bar in place.

2. Using Jigs for Sharpening

Select the correct jig for your tool:

- **KJ-45 / KJ-140 Centering Knife Jigs:** Clamp the knife blade securely in the jig. The centering design ensures an even bevel on both sides.
- **SVM-00 Small Knife Holder Jig:** For smaller blades, secure the knife in the holder.
- **SVX-150 Scissor Jig:** Mount the scissor blade in the jig, ensuring it is stable.

3. Grinding Process

1. Turn on the Tormek T-4. The grinding wheel will rotate slowly through the water.
2. Gently guide the jig with the tool against the rotating grinding wheel. Apply light, consistent pressure.
3. Move the tool smoothly across the width of the stone to ensure even wear and a consistent edge.
4. Continue grinding until a burr forms along the entire edge on the opposite side of the blade.

4. Honing and Polishing

1. Apply a small amount of PA-70 Honing Compound to the leather honing wheel.
2. Reverse the direction of the machine (if applicable, or manually rotate the honing wheel).
3. Gently press the burr side of the blade against the honing wheel to remove the burr and polish the edge. Repeat on the other side.
4. The result should be a razor-sharp, polished edge.

Your browser does not support the video tag.

Video: Detailed instructions on operating the Tormek T-4 for sharpening various tools.

Your browser does not support the video tag.

Video: A guide to using specific jigs with the Tormek T-4 sharpening system.

MAINTENANCE

1. **Clean Water Trough:** After each use, empty and clean the water trough to prevent sediment buildup and maintain hygiene.
2. **Stone Care:** Regularly inspect the grinding wheel for uneven wear. Use the SP-650 Stone Grader to true the stone and maintain its optimal cutting surface.
3. **Honing Wheel Maintenance:** Keep the leather honing wheel clean. If it becomes dry, apply a small amount of machine oil to recondition it before applying honing compound.
4. **General Cleaning:** Wipe down the machine with a damp cloth to remove any grinding residue.
5. **Storage:** When not in use, cover the Tormek T-4 with the MH-380 Machine Cover to protect it from dust and moisture.

TROUBLESHOOTING

- **Machine Not Starting:**

- Check if the power cord is securely plugged into a 115V outlet.
- Ensure the power switch is in the 'ON' position.
- Verify that the outlet is functional by testing with another appliance.

- **Uneven Sharpening:**

- Ensure the universal support bar is securely locked and parallel to the grinding wheel.
- Check that the tool is properly clamped in the jig and centered.
- Verify the grinding wheel surface is flat and true using the SP-650 Stone Grader.

- **Stone Not Grinding Effectively:**

- The stone might be glazed. Use the coarse side of the SP-650 Stone Grader to refresh the surface.
- Ensure sufficient water is in the trough.

SPECIFICATIONS

Material	Zinc Alloy
Product Dimensions (L x W x H)	16" x 16" x 16"
Item Weight	22 Pounds
Grit Type	Fine (Grinding Wheel)
Number of Items in Kit	9
Voltage	115 Volts (North America)

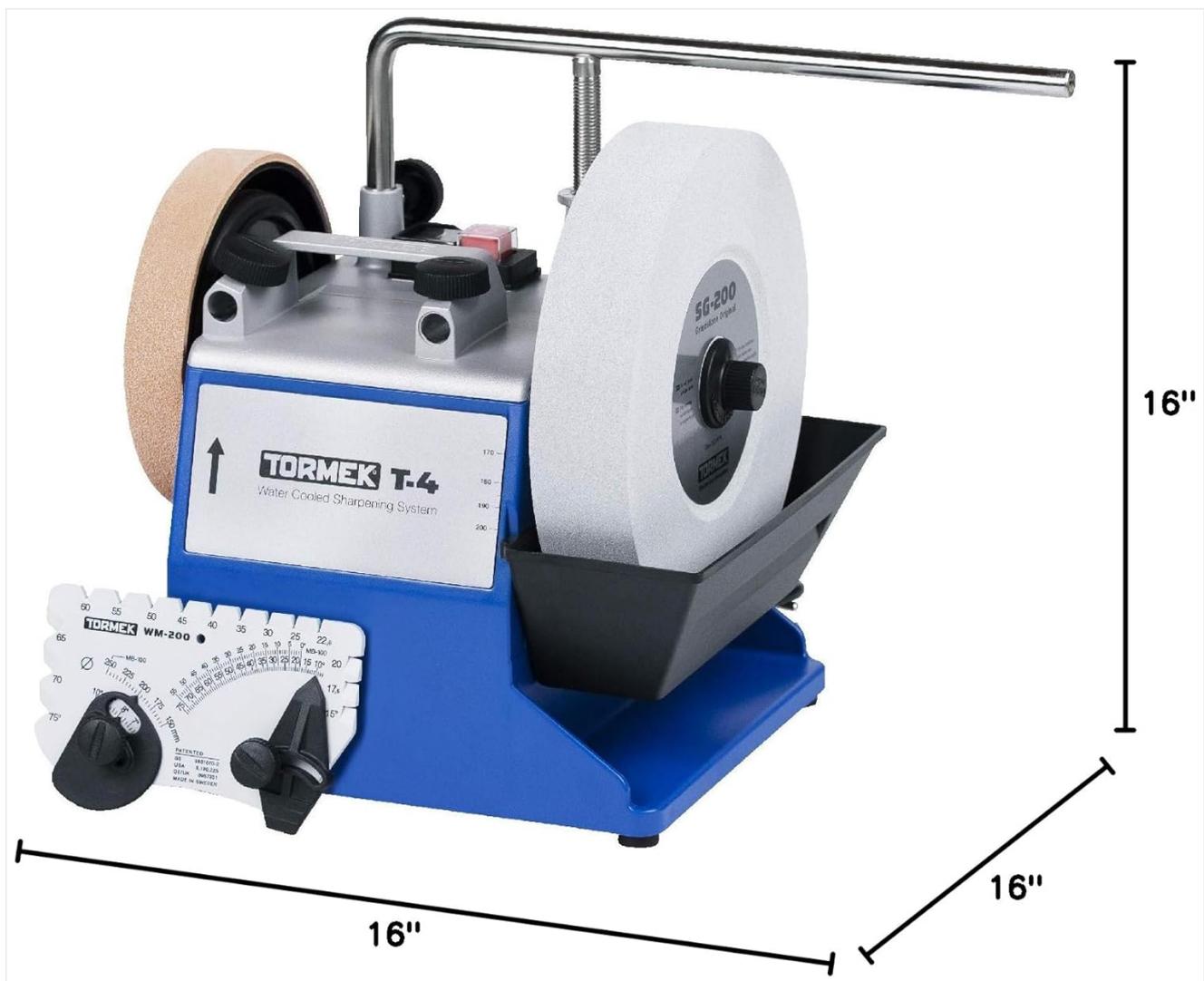


Image: The Tormek T-4 unit with dimensions indicated.

SAFETY INFORMATION

- Always wear appropriate eye protection when operating the sharpening machine.
- Keep hands and fingers clear of the grinding wheel and honing wheel during operation.
- Ensure the machine is unplugged before performing any maintenance, cleaning, or changing accessories.
- Do not operate the machine in wet conditions or near flammable liquids.
- Keep children and unauthorized persons away from the operating machine.
- Use only Tormek original accessories and spare parts.
- Never force a tool against the grinding wheel; let the machine do the work.

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Tormek website or contact Tormek customer support directly. Keep your purchase receipt as proof of purchase.

For technical support, troubleshooting assistance, or to order replacement parts, please visit the Tormek official website or contact their customer service department.

