

Tormek PA70

Tormek PA-70 Honing Compound Instruction Manual

Model: PA-70

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1. INTRODUCTION

The Tormek PA-70 Honing Compound is designed for use with leather honing wheels and strops to achieve a razor-sharp edge on knives and tools. This fine-grit compound effectively removes the burr created during grinding and polishes the edge to a high degree of sharpness. This manual provides instructions for the safe and effective use of the PA-70 Honing Compound.

2. SAFETY INFORMATION

Always prioritize safety when working with sharpening equipment and sharp tools. Read and understand all instructions before use.

- **Eye Protection:** Always wear appropriate eye protection to shield against flying particles.
- **Hand Protection:** Exercise extreme caution when handling sharp tools. Consider wearing cut-resistant gloves.
- **Ventilation:** Use in a well-ventilated area.
- **Keep Out of Reach of Children:** Store the honing compound and tools safely away from children.
- **Proper Disposal:** Dispose of used compound and cleaning materials according to local regulations.

3. PRODUCT OVERVIEW

The Tormek PA-70 Honing Compound is a specially formulated abrasive paste designed to be applied to leather honing surfaces. It works by gently abrading and polishing the tool's edge, removing any remaining burr and refining the sharpness to a very high level. This product is supplied in a convenient tube format, typically in a 3-pack.



Figure 1: Three tubes of Tormek PA-70 Honing Compound. Each tube contains the fine-grit abrasive paste, essential for achieving a polished, razor-sharp edge on various tools and knives.

4. SETUP

Before applying the PA-70 Honing Compound, ensure your leather honing wheel or strop is clean and ready for use. For Tormek sharpening systems, the leather honing wheel should be free of excessive debris from previous honing sessions.

4.1 Preparing the Leather Honing Wheel/Strop

- **Clean Surface:** If the leather honing wheel or strop is new, ensure it is clean. If it has been used previously, remove any old compound or metal particles by gently scraping the surface with a stiff brush or a blunt edge.
- **Moisten (Optional for some strops):** Some leather strops may benefit from a slight moistening with a small amount of honing oil or water, depending on the manufacturer's recommendations. For Tormek leather honing wheels, this is generally not required before applying the compound.

5. OPERATING INSTRUCTIONS

Follow these steps to effectively use the Tormek PA-70 Honing Compound for achieving a sharp, polished edge.

5.1 Applying the Honing Compound

1. **Initial Application:** Squeeze a small amount of PA-70 Honing Compound directly onto the surface of the leather honing wheel or strop.
2. **Spread Evenly:** With the machine running (if applicable, for Tormek grinders), or by hand for a strop, spread the compound evenly across the entire working surface of the leather. The friction will help distribute it. Apply enough to create a thin, consistent layer.
3. **Reapplication:** Reapply the compound as needed when the honing effect diminishes. A small amount goes a long way.

5.2 Honing the Tool

1. **Maintain Angle:** After grinding, maintain the same sharpening angle on the honing wheel as was used on the grinding wheel. This is crucial for effective honing.
2. **Light Pressure:** Apply very light pressure when honing. The compound and the leather do the work. Excessive pressure can damage the edge or the leather.
3. **Direction of Rotation (Tormek Grinders):** For Tormek machines, always hone with the rotation of the wheel away from the edge. This means the edge should trail the rotation, preventing it from digging into the leather.
4. **Alternating Sides:** Hone both sides of the edge alternately for a few seconds at a time. This helps to remove the burr and achieve a symmetrical, sharp edge.
5. **Check for Sharpness:** Periodically check the sharpness of the tool. Continue honing until the desired level of sharpness and polish is achieved. The edge should feel smooth and cut cleanly.

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Video 1: Demonstration of applying Tormek Honing Compound to a leather honing wheel and the subsequent honing process for achieving a sharp edge.

6. MAINTENANCE

Proper maintenance of your honing wheel and compound ensures optimal performance and longevity.

- **Clean Honing Wheel:** Regularly clean the leather honing wheel to remove accumulated metal particles and old compound. This can be done by gently scraping the surface with a blunt tool or a stiff brush while the wheel is rotating slowly (if applicable).
- **Store Compound Properly:** Keep the PA-70 Honing Compound tube capped tightly when not in use to prevent drying out. Store in a cool, dry place.
- **Inspect Leather:** Periodically inspect the leather honing wheel or strop for wear or damage. Replace if necessary to maintain effective honing.

7. TROUBLESHOOTING

If you encounter issues while using the Tormek PA-70 Honing Compound, consider the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Edge not getting sharp enough.	<ul style="list-style-type: none"> ◦ Insufficient grinding before honing. ◦ Incorrect honing angle. ◦ Not enough compound on the wheel. ◦ Too much pressure applied. ◦ Worn-out leather surface. 	<ul style="list-style-type: none"> ◦ Ensure the tool is properly ground and a burr is formed before honing. ◦ Verify and maintain the correct honing angle. ◦ Apply a fresh, thin layer of PA-70 compound. ◦ Use very light pressure during honing. ◦ Clean or replace the leather honing wheel/strop.
Compound not adhering to the leather.	<ul style="list-style-type: none"> ◦ Leather surface is too dry or oily. ◦ Excessive old compound buildup. 	<ul style="list-style-type: none"> ◦ Clean the leather surface thoroughly. ◦ For very dry leather, a minimal amount of honing oil (if compatible with your strop) can help, but generally, the compound itself provides lubrication.
Edge feels rough after honing.	<ul style="list-style-type: none"> ◦ Burr not fully removed. ◦ Contaminated honing surface. 	<ul style="list-style-type: none"> ◦ Continue honing with light pressure, ensuring the burr is completely removed. ◦ Clean the honing wheel/strop to remove any coarse particles that might have transferred.

8. SPECIFICATIONS

Key specifications for the Tormek PA-70 Honing Compound:

- **Model:** PA-70
- **Brand:** Tormek
- **Material:** Honing Compound (abrasive paste)
- **Grit Type:** Fine
- **Color:** Yellow
- **Product Dimensions (per tube, approximate):** 2"L x 4"W x 1"H
- **Item Weight (3-pack):** 11.2 ounces
- **Number of Items:** 3 tubes
- **Intended Use:** For use with Tormek leather honing wheels (e.g., on T-7, T-4, T-3 grinders) and other leather strops.

9. WARRANTY AND SUPPORT

Tormek products are manufactured to high standards. For specific warranty information regarding the PA-

70 Honing Compound, please refer to the official Tormek website or contact Tormek customer support directly. This product is a consumable item, and its performance is dependent on proper storage and application.

For technical assistance, product inquiries, or support, please visit the official Tormek website or contact their customer service department. Contact information can typically be found on the product packaging or the Tormek website.

Tormek Official Website: www.tormek.com