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› TSPROF K03 Pro Hunter AL Sharpening Kit User Manual

TSPROF TS-K3P240120

TSPROF K03 Pro Hunter AL Sharpening Kit User Manual

Model: TS-K3P240120

1. INTRODUCTION

Thank you for choosing the TSPROF K03 Pro Hunter AL Sharpening Kit. This professional-grade sharpening system is designed to provide precise and consistent sharpening results for a wide variety of knives and tools. Constructed from durable steel and high-strength aluminum alloy, the K03 Pro Hunter AL offers exceptional stability and accuracy. This manual will guide you through the assembly, operation, and maintenance of your sharpening kit to help you achieve razor-sharp edges.



Figure 1: The TSPROF K03 Pro Hunter AL Sharpening Kit, including the main sharpener unit, a wooden storage box, and a set of diamond sharpening plates.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions when using the TSPROF K03 Pro Hunter AL Sharpening Kit:

- **Wear Protective Gear:** Always wear cut-resistant gloves and eye protection when handling knives and operating the sharpener.
- **Stable Surface:** Ensure the sharpener is placed on a stable, non-slip surface to prevent accidental movement during sharpening.
- **Handle Knives Carefully:** Knives are extremely sharp. Always handle them by the spine and keep fingers away from the cutting edge.
- **Proper Blade Securing:** Ensure the knife blade is securely clamped in the sharpener before beginning any work. A loose blade can cause injury.

- **Keep Clear:** Keep hands, hair, and loose clothing away from moving parts of the sharpener.
- **Children and Pets:** Keep the sharpening kit and all accessories out of reach of children and pets.
- **Read Instructions:** Fully understand all instructions before operating the device.

3. COMPONENTS OVERVIEW

The TSPROF K03 Pro Hunter AL Sharpening Kit includes several key components designed for precision sharpening:

- **Base Unit:** Provides a stable foundation for the sharpening system.
- **Blade Clamps:** Standard clamps designed to securely hold a wide range of blade lengths (60 to 450 mm) and thicknesses (up to 7mm).
- **Guide Rod Assembly:** Holds the sharpening stone and allows it to glide across the blade.
- **Axicube-I Integrated Angle Finder:** A digital angle measurement device for precise angle setting with 0.01° accuracy.
- **Rack-and-Pinion Angle Adjustment Mechanism:** Allows for easy and precise adjustment of the sharpening angle from 8° to 39° per side.
- **Semi-Automatic Turning Mechanism:** Enables flipping the blade to sharpen the other side while maintaining the same angle.
- **Universal Stone Holder:** Accommodates flat-end or apex type stones up to 210 mm (8 inches) long.
- **Diamond Sharpening Plates:** A set of five diamond plates (150, 220, 400, 600, 1000 grit) for various sharpening stages.



Figure 2: A detailed view of the sharpener's main body, illustrating the robust construction and key adjustment points.



Figure 3: The Axicube-I digital angle finder, crucial for setting precise sharpening angles.

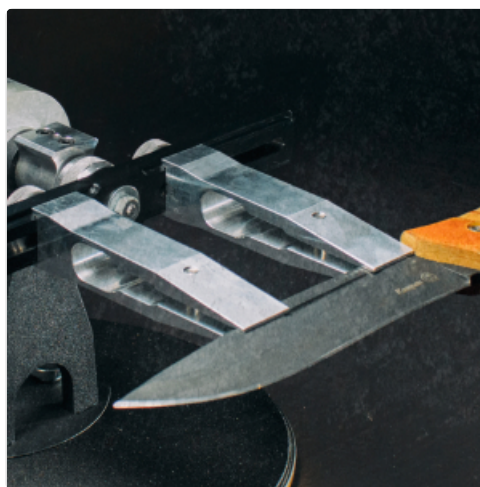


Figure 4: The standard blade clamps, designed to securely hold various knife types.



Figure 5: The included diamond sharpening plates and their recommended uses.

4. SETUP AND ASSEMBLY

Follow these steps to assemble your TSPROF K03 Pro Hunter AL Sharpening Kit:

1. **Unpack Components:** Carefully remove all components from the packaging. Verify that all parts listed in the Components Overview are present.
2. **Attach Base:** Place the main sharpener unit onto a stable, flat surface. Ensure the base is firmly seated.
3. **Install Blade Clamps:** Secure the standard blade clamps onto the sharpener's main body. Ensure they are tightened sufficiently to hold a blade without slippage.
4. **Assemble Guide Rod:** Insert the guide rod into its designated slot on the sharpener. Attach the universal stone holder to the guide rod.
5. **Mount Axicube-I:** Attach the Axicube-I digital angle finder to the guide rod assembly as per its specific instructions. Ensure it is calibrated or zeroed before use.

5. OPERATION GUIDE

Operating your TSPROF K03 Pro Hunter AL for optimal sharpening:

5.1. Securing the Blade

1. Open the blade clamps.
2. Carefully insert the knife blade into the clamps, ensuring it is centered and straight.

3. Tighten the clamps securely to prevent any movement of the blade during sharpening.

5.2. Setting the Sharpening Angle

1. Place the desired sharpening stone into the universal stone holder.
2. Using the rack-and-pinion adjustment mechanism, move the guide rod up or down to adjust the angle.
3. Monitor the angle displayed on the Axicube-I digital angle finder. Adjust until the desired angle (between 8° and 39° per side) is achieved.
4. Lock the angle adjustment mechanism once the desired angle is set.



Figure 6: The rack-and-pinion system allows for fine adjustments of the sharpening angle.

5.3. Sharpening Process

1. Begin with the coarsest grit diamond plate (F150 or F220) to establish the primary bevel or repair a damaged edge.
2. Apply light, consistent pressure and slide the stone along the blade's edge, moving from the heel to the tip. Maintain a smooth, even stroke.
3. Sharpen one side until a burr forms along the entire length of the opposite edge.

4. Activate the semi-automatic turning mechanism to flip the blade to the other side. This mechanism ensures the angle is maintained.
5. Repeat the sharpening process on the second side until a burr forms on the first side.
6. Progress to finer grit stones (F400, F600, F1000) in sequence. With each finer grit, reduce pressure and the number of strokes. The F400 is for main sharpening, F600 for pre-finishing, and F1000 for final finishing.
7. After using the finest grit, remove the burr by making a few very light alternating strokes on each side, or by stropping.



Figure 7: The semi-automatic turning mechanism ensures consistent angle when flipping the blade.



Figure 8: The TSPROF K03 Pro Hunter AL in action, demonstrating its ergonomic design during sharpening.

6. MAINTENANCE AND CARE

Proper maintenance will extend the life and performance of your sharpening kit:

- **Cleaning the Unit:** After each use, wipe down the sharpener's metal components with a clean, dry cloth to remove any metal dust or abrasive residue. For stubborn grime, a slightly damp cloth can be used, followed by immediate drying.
- **Abrasive Stone Care:** Clean diamond plates with a brush and water after use to remove swarf. Allow them to dry completely before storage. Do not use harsh chemicals.
- **Lubrication:** Periodically apply a small amount of light machine oil to the moving parts, such as the guide rod and turning mechanism, to ensure smooth operation.
- **Storage:** Store the sharpening kit in its original wooden box or a clean, dry place to protect it from dust and moisture.

7. TROUBLESHOOTING

If you encounter issues with your TSPROF K03 Pro Hunter AL, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Blade is not getting sharp.	Incorrect angle, worn-out stones, insufficient pressure, not forming a burr.	Verify angle with Axicube-I. Use coarser stones first. Ensure a burr is formed before moving to finer grits. Apply consistent, light pressure.
Uneven edge or inconsistent bevel.	Blade not securely clamped, inconsistent pressure, uneven strokes.	Re-clamp blade firmly. Maintain even pressure and smooth, consistent strokes across the entire edge.
Difficulty adjusting angle.	Mechanism is stiff, dust/debris in the rack-and-pinion.	Clean the adjustment mechanism. Apply a small amount of lubricant to the moving parts.
Stone not gliding smoothly.	Guide rod or stone holder is dirty, lack of lubrication.	Clean the guide rod and stone holder. Apply a thin layer of lubricant to the guide rod.

8. TECHNICAL SPECIFICATIONS

- **Model:** TS-K3P240120
- **Material:** Aluminum, Steel
- **Product Dimensions (L x W x H):** 27.6" x 9.1" x 16.2" (70.1 cm x 23.1 cm x 41.1 cm)
- **Item Weight:** 14 Pounds (6.35 kg)
- **Sharpening Angle Range:** 8° to 39° per side (total angle up to 78°)
- **Blade Length Compatibility:** 60 mm to 450 mm (2.4" to 17.7")
- **Blade Thickness Compatibility:** Up to 7 mm (0.275")
- **Abrasive Stone Length Compatibility:** Up to 210 mm (8")
- **Included Grit Types:** F150 (Extra Coarse), F220 (Coarse), F400 (Medium), F600 (Fine), F1000 (Extra Fine)

9. WARRANTY AND SUPPORT

For specific warranty information regarding your TSPROF K03 Pro Hunter AL Sharpening Kit, please refer to the warranty card included with your product or visit the official TSPROF website. If you require technical assistance, have questions about operation, or need to order replacement parts, please contact TSPROF customer support through their official channels. Always provide your model number (TS-K3P240120) when seeking support.

Online Resources: For additional tips, video tutorials, and product updates, visit the official TSPROF website or their authorized dealer pages.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question