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› TSPROF K03 Pro Hunter Sharpening Kit User Manual

TSPROF TS-K3P220020

TSPROF K03 Pro Hunter Sharpening Kit

MODEL: TS-K3P220020

Brand: TSPROF

PRODUCT OVERVIEW

The TSPROF K03 Pro Hunter Sharpening Kit is a professional-grade, precision sharpening system engineered to provide exceptional edge retention and sharpness for a wide array of cutting tools. Its robust construction and innovative features ensure consistent and accurate sharpening results, making it an indispensable tool for enthusiasts and professionals alike.



Image: The TSPROF K03 Pro Hunter Sharpening Kit, fully assembled, with its wooden storage box in the background.

SAFETY INFORMATION

Always exercise caution when handling sharp objects and the sharpening system. Read all instructions before use. Keep hands clear of the blade and sharpening stone during operation. Wear appropriate safety gear, such as cut-resistant gloves and eye protection. Ensure the sharpening system is stable on a flat, secure surface before beginning any work. Keep out of reach of children.

PACKAGE CONTENTS

Verify that all components are present before assembly and use:

- TSPROF K03 Pro Body with integrated Axicube-I electronic angle finder
- Whole-milled clamps (2 pieces)

- TSPROF table stand
- Set of diamond coated plates (5 pieces):
 - F150 Extra coarse
 - F220 Coarse
 - F400 Medium
 - F600 Fine
 - F1000 Very Fine
- Spare parts (e.g., hex keys, additional screws)
- Wooden storage box



TSPROF K03 Pro Hunter Sharpening Kit

- TSPROF K03 Pro Body with integrated Axicube-I electronic angle finder
- Whole-milled clamps - 2 pcs
- TSPROF steel stand
- Set of diamond plates on blanks - 5 pcs
- Spare parts
- Packaging: wooden box

Image: All individual components of the sharpening kit, including the main body, clamps, stand, and diamond plates, arranged on a surface.

SETUP

1. **Assemble the Base:** Securely attach the main sharpening body to the TSPROF table stand. Ensure all

fasteners are tightened to prevent movement during operation.

2. **Install Clamps:** Attach the two whole-milled clamps to the main body. These clamps are designed to hold various blade types.
3. **Prepare the Guide Rod:** Insert the guide rod into the main body's pivot mechanism. This rod will hold the sharpening stones.
4. **Power On Axicube-I:** If your model includes the Axicube-I electronic angle finder, ensure it is properly installed and powered on.

For a visual guide on setting up your TSPROF K03 Pro Sharpening System, please watch the official video below:

Video: Official demonstration of the TSPROF K03 Pro Sharpening System, showing assembly and key features.

OPERATING INSTRUCTIONS

1. **Secure the Blade:** Open the clamps and carefully insert the knife blade, ensuring it is centered and firmly secured. Tighten the clamp screws using the provided hex driver. The system accommodates blade lengths from 60 to 450 mm (2.4" - 17.7") and thicknesses up to 7mm (0.275").



Image: A detailed view of a knife blade properly clamped within the sharpening system's jaws.

2. **Set the Sharpening Angle:** Use the rack-and-pinion angle adjustment mechanism to set the desired sharpening angle. The integrated Axicube-I digital angle finder provides precise readings with an accuracy of 0.01° . The sharpening angle can be set from 8° to 39° per side, for a total angle of up to 78° .



Image: A close-up of the Axicube-I digital angle finder, showing its display and controls.



Image: A detailed view of the precise angle adjustment mechanism of the sharpening system.

3. **Select and Install Sharpening Stone:** Choose the appropriate diamond plate based on the current state of your blade and desired sharpness. The kit includes F150 (Extra coarse), F220 (Coarse), F400 (Medium), F600 (Fine), and F1000 (Very Fine) grits. Insert the selected stone into the universal abrasive holder on the guide rod. The holder supports stones up to 210 mm long.

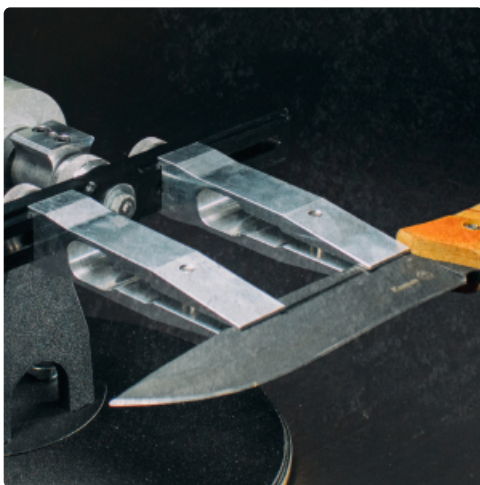


Image: A set of five diamond sharpening plates, each labeled with its respective grit size.

4. **Begin Sharpening:** Apply light, consistent pressure as you slide the stone along the blade's edge. The semi-automatic knife turning unit allows you to flip the blade to sharpen the other side while maintaining the exact same angle, ensuring a symmetrical edge.



F150 EXTRA COARSE
FOR ROUGHING OF THE EDGE AND
FORMING THE SHAPE OF THE BLADE

F220 COARSE
FOR FORMING THE KNIFE'S
CUTTING EDGE



F400 MEDIUM
FOR THE MAIN SHARPENING AND
CREATING THE AGGRESSIVE/BITING CUT

F600 FINE
FOR PRE-FINISHING THE CUTTING EDGE
AND REMOVING VISIBLE MARKS



F1000 EXTRA FINE
FOR FINISHING THE CUTTING EDGE

Image: A knife secured in the sharpener, demonstrating the auto-flip rotating mechanism for sharpening both sides.

5. **Progress Through Grits:** Start with a coarser grit to establish the edge, then gradually move to finer grits to refine and polish the edge.

MAINTENANCE

To ensure the longevity and optimal performance of your TSPROF K03 Pro Hunter Sharpening Kit, regular maintenance is recommended:

- **Cleaning:** After each use, wipe down the main body, clamps, and guide rod with a clean, dry cloth to remove any metal particles or sharpening residue.
- **Stone Care:** Clean diamond plates with water and a soft brush to remove swarf. Store them dry to prevent corrosion.
- **Lubrication:** Periodically apply a small amount of light machine oil to moving parts, such as the guide rod and angle adjustment mechanism, to ensure smooth operation.
- **Storage:** Store the sharpening kit in its original wooden box in a dry, dust-free environment to protect it from damage and environmental factors.

TROUBLESHOOTING

If you encounter issues with your sharpening kit, consider the following common solutions:

- **Inconsistent Angle:** Ensure all clamps and adjustment knobs are securely tightened. Verify the Axixcube-I is calibrated and functioning correctly.

- **Poor Edge Quality:** Check if the correct grit sequence is being used. Ensure sufficient pressure is applied during sharpening. Inspect stones for wear or clogging.
- **Blade Slipping:** Re-tighten the blade in the clamps. Ensure the blade surface is clean and free of oil or debris.
- **Stiffness in Movement:** Clean and lubricate the guide rod and other moving parts as described in the Maintenance section.

For detailed specifications and operational insights into TSPROF sharpeners, including the K03 Pro, refer to the video below:

Video: An in-depth look at the specifications and features across various TSPROF sharpening systems.

SPECIFICATIONS

Brand	TSPROF
Model Number	TS-K3P220020
Material	Aluminum
Color	Silver
Product Dimensions	29"L x 8"W x 11"H
Item Weight	13 Pounds
Grit Type (Included)	F150 Extra coarse, F220 Coarse, F400 Medium, F600 Fine, F1000 Very Fine
Sharpening Angle Range	8° to 39° per side (total up to 78°)
Compatible Blade Length	60 to 450 mm (2.4" - 17.7")
Compatible Blade Thickness	Up to 7mm (0.275")
Compatible Stone Length	Up to 210 mm
UPC	810069581446
Manufacture Year	2024

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or replacement parts, please contact TSPROF customer service directly. Refer to the contact information provided with your purchase or visit the official TSPROF website for assistance.

