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› Tormek KJ-45 Short Knife Jig Instruction Manual

## TORMEK KJ-45

# Tormek KJ-45 Short Knife Jig Instruction Manual

Model: KJ-45 | Brand: TORMEK

## 1. PRODUCT OVERVIEW

The Tormek KJ-45 Short Knife Jig is designed to precisely center and secure tapered blades for sharpening. It features an additional stop, making it suitable for taller knives such as kitchen cleavers. The unique design allows for a slight movement between the two stops, which facilitates the formation of a gently convex edge on the blade. Constructed with durable cast zinc clamps and composite stops, the jig distributes most of its weight over the clamps, ensuring a well-balanced grinding experience. It glides smoothly and friction-free along the universal support of your sharpening system. This jig is compatible with Tormek T-4, Tormek T-8, and older Tormek models.



Figure 1: Front view of the Tormek KJ-45 Short Knife Jig, showing its robust construction.

## 2. KEY FEATURES

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- **Precision Centering:** Centers the knife within the jig to ensure maximum symmetry and optimal sharpening results.
- **Tapered Blade Support:** Specifically designed to center and securely hold tapered knife blades.
- **Tall Knife Compatibility:** Includes an additional stop for effectively sharpening tall knives, such as kitchen cleavers.
- **Convex Edge Formation:** Allows for a slight movement between the two stops, enabling the creation of a slightly convex edge.
- **Durable Construction:** Features cast zinc clamps and composite stops for long-lasting performance and stability.



Figure 2: The KJ-45 jig securely holding a knife during the sharpening process on a Tormek system.

### 3. SETUP

1. **Attach to Universal Support:** Slide the KJ-45 jig onto the universal support bar of your Tormek sharpening system. Ensure it moves freely along the bar.
2. **Knife Insertion:** Open the clamps of the jig. Insert the knife blade, ensuring it is centered and securely held by the clamps. For tapered blades, the jig's design will naturally assist in centering.
3. **Adjust for Blade Height:** For taller knives like cleavers, utilize the additional stop to provide stable support during sharpening.
4. **Check Stability:** Before sharpening, gently test the knife's stability within the jig to ensure it is firmly secured and will not shift during operation.

## 4. OPERATING INSTRUCTIONS

Using the Tormek KJ-45 jig ensures consistent and precise sharpening. Follow these general steps:

- Set Sharpening Angle:** Adjust the universal support to achieve the desired sharpening angle for your knife. Refer to your Tormek sharpening system's manual for angle setting procedures.
- Begin Sharpening:** With the knife securely clamped in the KJ-45 jig, gently bring the blade into contact with the grinding wheel. Maintain light, consistent pressure.
- Convex Edge Technique:** To achieve a slightly convex edge, allow the jig to move subtly between its two stops as you sharpen. This movement helps create a stronger, more durable edge.
- Even Sharpening:** Sharpen both sides of the blade evenly. Flip the knife or adjust the jig as needed to ensure uniform material removal.
- Deburring and Honing:** After sharpening, proceed with deburring and honing steps as recommended by your Tormek sharpening system to achieve a razor-sharp finish.

## 5. MAINTENANCE

Proper maintenance will extend the life and performance of your Tormek KJ-45 jig:

- Cleaning:** After each use, wipe down the jig with a damp cloth to remove any grinding residue or metal particles. Ensure all parts are dry before storage.
- Storage:** Store the jig in a clean, dry place to prevent corrosion and damage.
- Inspection:** Periodically inspect the clamps and stops for any signs of wear or damage. Replace components if necessary to maintain optimal performance and safety.

## 6. TROUBLESHOOTING

If you encounter issues while using the KJ-45 jig, consider the following:

- Knife Slipping:** Ensure the knife is properly centered and the clamps are tightened sufficiently. The blade should be firmly secured without excessive force.
- Uneven Edge:** Verify that the universal support is correctly set for the desired angle and that you are applying consistent pressure across the entire blade length during sharpening. Ensure the knife is perfectly centered in the jig.
- Jig Not Gliding Smoothly:** Check the universal support bar for any debris or damage. Clean the bar and the jig's sliding surfaces.

## 7. SPECIFICATIONS

| Attribute                      | Detail                                    |
|--------------------------------|-------------------------------------------|
| Manufacturer                   | Tormek                                    |
| Model Reference                | KJ-45                                     |
| Product Dimensions (L x W x H) | 20.32 x 7.62 x 5.08 cm (8 x 3 x 2 inches) |
| Color                          | Black/Silver                              |

| Attribute     | Detail                                          |
|---------------|-------------------------------------------------|
| Material      | Zinc, Composite Material                        |
| Item Weight   | 230 Grams (0.51 lbs)                            |
| Compatibility | Tormek T-4, Tormek T-8, and older Tormek models |

## 8. WARRANTY AND SUPPORT

Specific warranty details for the Tormek KJ-45 Short Knife Jig are not provided within this manual. For information regarding warranty coverage, technical support, or spare parts, please contact Tormek directly through their official website or authorized distributors. Always refer to the official Tormek documentation for the most current and accurate warranty information.

## 9. OFFICIAL PRODUCT VIDEOS

No official product videos from the seller were available for embedding in this manual. For instructional videos and demonstrations, please visit the official Tormek website or their authorized YouTube channel.

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