

## Tormek KJ-140

# Tormek KJ-140 Wide Centering Knife Jig Instruction Manual

This manual provides comprehensive instructions for the safe and effective use of your Tormek KJ-140 Wide Centering Knife Jig. Please read thoroughly before operation.

## 1. PRODUCT OVERVIEW

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The Tormek KJ-140 Wide Centering Knife Jig is designed for sharpening long and flexible knife blades on your Tormek sharpening system. It ensures symmetrical bevels regardless of blade thickness or geometry, providing stability for optimal sharpening results.

### Key Features:

- Centers long, flexible knife blades in the jig for optimal, symmetrical results.
- The 5 1/2" wide clamp stabilizes flexible blades.
- Includes an extra stop for tall knives, such as cleavers.
- Well-balanced design, with most weight focused on the clamps, for a balanced feel during grinding.
- Compatible with Tormek T-4, T-8, and older Tormek sharpening system models.



*An image showing the Tormek KJ-140 Wide Centering Knife Jig, highlighting its wide clamp and ergonomic design.*

## 2. SAFETY INFORMATION

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**Always prioritize safety when operating sharpening equipment. Failure to follow these instructions may result in injury or damage to the product.**

- Always wear appropriate personal protective equipment, including eye protection.
- Ensure your Tormek sharpening system is stable and securely placed on a flat surface.
- Keep hands and fingers clear of the grinding wheel and rotating parts during operation.
- Do not force the knife against the grinding wheel; apply gentle, consistent pressure.
- Unplug the sharpening system from the power source before making adjustments or performing

maintenance.

- Keep children and unauthorized personnel away from the sharpening area.
- Handle sharp knives with extreme care.

### 3. PACKAGE CONTENTS

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- 1 x Tormek KJ-140 Wide Centering Knife Jig
- Instruction Manual (this document)

### 4. SETUP

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#### 4.1 Attaching the Jig to the Universal Support

The KJ-140 jig attaches to the Tormek Universal Support. Insert the jig's shaft into the universal support and secure it in place. Ensure the jig can slide smoothly along the support bar.

#### 4.2 Mounting the Knife

Open the clamp of the KJ-140 jig. Insert the knife blade into the clamp, ensuring it is centered. The jig's design allows for self-centering of the blade, providing symmetrical grinding on both bevels. For long or flexible blades, ensure the blade is fully supported and stable within the 5 1/2 inch wide clamp. Tighten the clamp securely to hold the knife firmly in position.



*A user's hands are shown carefully inserting a knife blade into the Tormek KJ-140 Wide Centering Knife Jig, which is attached to a Tormek sharpening system's universal support. This demonstrates the initial setup step for sharpening.*



*This image illustrates the Tormek KJ-140 Wide Centering Knife Jig holding a knife blade against the rotating sharpening stone of a Tormek system. The jig is positioned on the universal support, ready for the sharpening process.*

## 5. OPERATING INSTRUCTIONS

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### 5.1 Sharpening Process

With the knife securely mounted in the KJ-140 jig and the jig attached to the universal support, adjust the universal support to achieve the desired sharpening angle. Gently guide the knife, held by the jig, across the grinding wheel. Maintain consistent pressure and movement to ensure an even bevel. The jig's design allows you to follow the contours of various blade shapes, from straight to recurve.

### 5.2 Centering Feature

The KJ-140 jig automatically centers the knife blade, regardless of its thickness or geometry. This feature ensures that the grinding action is symmetrical on both sides of the blade, eliminating the need for manual adjustments to achieve an even bevel. This is particularly beneficial for knives with varying blade profiles or tapers.



*A close-up view of a knife blade being sharpened on a Tormek grinding wheel, held precisely by the KJ-140 Wide Centering Knife Jig. This image highlights the jig's ability to maintain a consistent angle during the sharpening process.*



*This image demonstrates the versatility of the Tormek KJ-140 Wide Centering Knife Jig, showing it in use to sharpen a recurve knife blade. The jig allows the user to follow the blade's unique shape while maintaining a precise sharpening angle.*

## 6. MAINTENANCE

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- After each use, clean the jig to remove any grinding residue or metal particles. Use a damp cloth to wipe down all surfaces.
- Ensure the clamping mechanism is free of debris to maintain optimal grip.
- Store the KJ-140 jig in a dry, clean place to prevent corrosion and damage.
- Periodically check all screws and moving parts for tightness and wear. Tighten as necessary.

## 7. TROUBLESHOOTING

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Issue	Possible Cause	Solution
Knife not holding securely	Clamp not tightened sufficiently; debris in clamp	Ensure clamp is fully tightened; clean clamp mechanism.
Uneven bevels	Incorrect angle setting; inconsistent pressure	Verify universal support angle; apply consistent, gentle pressure across the blade.
Jig not sliding smoothly	Universal support bar dirty; jig mechanism obstructed	Clean the universal support bar; check jig for debris and clean.

## 8. SPECIFICATIONS

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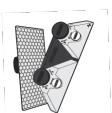
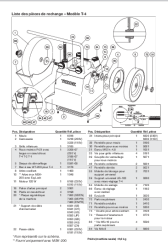
- **Model:** KJ-140
- **Brand:** Tormek
- **Material:** Alloy Steel
- **Product Dimensions:** 6.25"L x 5.5"W x 5.5"H
- **Item Weight:** 340 Grams (12 ounces)
- **Clamp Width:** 5 1/2 inches (for stabilizing flexible blades)
- **Compatibility:** Tormek T-4, T-8, and older Tormek sharpening systems

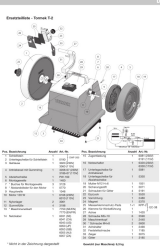

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Tormek website or contact your authorized Tormek dealer. Keep your purchase receipt as proof of purchase.

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### Related Documents - KJ-140

<div><div>EN SV DE FR</div><div><b>KS-123 Knife Angle Setter Instruction</b></div><div></div><div><small>NOTES: Read all instructions and safety warnings before use.</small></div></div>	<p><a href="#">Tormek KS-123 Knife Angle Setter: User Guide for Precise Sharpening</a></p> <p>Comprehensive guide for the Tormek KS-123 Knife Angle Setter, detailing its compatibility, setup, and usage for achieving accurate sharpening angles on Tormek machines. Includes parts identification and step-by-step instructions.</p>
<div><div>EN SV DE FR</div><div><b>KJ-45/KJ-140 Instruction</b></div><div></div><div><small>NOTES: To use all features and achieve best results.</small></div></div>	<p><a href="#">Tormek KJ-45 &amp; KJ-140 Centering Knife Jig Instruction Manual</a></p> <p>Comprehensive instruction manual for the Tormek KJ-45 and KJ-140 Centering Knife Jigs, designed for precise and controlled knife sharpening. Learn how to mount knives, set edge angles, sharpen, and hone various blade types for optimal sharpness and durability. Includes details on jig components, blade thickness and height requirements, and recommended sharpening techniques for different knives.</p>
<div><div>EN SV DE FR</div><div><b>SC-60 Scissors Jig Instruction</b></div><div></div><div><small>NOTES: Read all instructions and safety warnings before use.</small></div></div>	<p><a href="#">Tormek SC-60 Scissors Jig Instruction Manual</a></p> <p>Learn how to effectively sharpen scissors, hedge shears, and planer blades with the Tormek SC-60 Scissors Jig. This comprehensive instruction manual from Tormek covers setup, angle setting, sharpening techniques, and compatibility with Tormek sharpening systems.</p>
<div><div>EN SV DE FR</div><div></div></div>	<p><a href="#">Tormek T-4 Replacement Parts List and Diagram</a></p> <p>Detailed parts list and diagram for the Tormek T-4 sharpening machine, including part numbers, quantities, and descriptions for easy identification and ordering of replacement components.</p>

	<p><a href="#">Tormek T-2 Knife Sharpener Parts List and Diagram</a></p> <p>Comprehensive parts list and exploded view diagram for the Tormek T-2 knife sharpener. This document details all components, their part numbers, quantities, and descriptions, facilitating maintenance and part identification.</p>
	<p><a href="#">Tormek T-8 and T-4 Safety Instructions and Spare Parts List</a></p> <p>Comprehensive safety instructions and a detailed spare parts list for Tormek T-8 and T-4 sharpening systems, ensuring safe operation and maintenance.</p>