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› Neoteck 0-1"/0.001" Dial Indicator Table Saw Gauge Instruction Manual (Model NTK217)

## Neoteck NTK217

# Neoteck 0-1"/0.001" Dial Indicator Table Saw Gauge Instruction Manual

Model: NTK217

## INTRODUCTION

The Neoteck 0-1"/0.001" Dial Indicator Table Saw Gauge is a precision tool designed for accurate alignment and calibration in woodworking and machinery applications. This gauge is compatible with standard miter slots measuring 3/8" x 3/4" (19mm) or wider. It is used to identify and correct issues such as arbor and blade run-out, miter slot to blade squareness, arbor/chuck run-out, and other critical alignment measurements. This manual provides detailed instructions for the setup, operation, and maintenance of your Neoteck Dial Indicator Table Saw Gauge.

## Dial Indicator Table Saw Gauge with 3/4" (19mm) Width Aluminum Alloy Bars



Range: 0 - 1 inch  
High Resolution: 0.001 inch

**Suitable for table saws with a groove width of 3/4" (19mm) or more**

*Image: Neoteck Dial Indicator Table Saw Gauge with 3/4 inch (19mm) Width Aluminum Alloy Bars. This image highlights the gauge's range of 0-1 inch and high resolution of 0.001 inch, suitable for table saws with a groove width of 3/4 inch (19mm) or more.*

### SETUP INSTRUCTIONS

Before using your Neoteck Dial Indicator Table Saw Gauge, ensure all components are present and assembled correctly. The package includes:

- 1 x Dial Indicator
- 1 x Chute Rod (L155 x 19 x 9.3mm / 6.1 x 0.75 x 0.37 inches)
- 1 x Dial Gauge Rod (L180 x W19 x H19mm / 7 x 0.75 x 0.75 inches)
- 2 x Springs
- 6 x Screws
- 2 x Metal Gaskets
- 2 x Hex Key

### Assembly Steps:

1. **Set up Aluminum Alloy Bars:** Use the provided hex wrench to connect the two aluminum alloy bars.

Ensure they are securely fastened.

2. **Tighten Plum Blossom Nuts:** Secure the plum blossom nuts to hold the bars in place. These nuts allow for adjustment of the width and height of the chamfered groove rod.
3. **Adjust Plunger Screw:** Adjust the plunger screw as needed to fine-tune the fit within your table saw's miter slot.
4. **Install Dial Indicator:** Carefully install the dial indicator to the end of the assembled bar. Ensure it is firmly attached and the probe moves freely.

## Easy to Install, Please Tighten It Up Before Use



1. Set up 2 Aluminum Alloy Bars with the wrench Included



2. Tighten the Plum Blossom Nuts



3. Adjust the Plunger Screw



4. Install the Indicator to the End of the Bar

*Image: Step-by-step guide for installing the Neoteck Table Saw Gauge, showing the assembly of aluminum bars, tightening nuts, adjusting the plunger screw, and installing the dial indicator.*

### Setup Video:

Your browser does not support the video tag.

*Video: This official Neoteck video demonstrates the assembly and initial setup of the 0-1" Table Saw Dial Indicator Set, providing a visual guide to the installation steps.*

## OPERATING INSTRUCTIONS

The Neoteck Dial Indicator Table Saw Gauge provides high-precision measurements for various alignment tasks. Its measurement range is 0 to 1 inch with a resolution of 0.001 inch, ensuring accurate results.

### Common Applications:

- **Checking Saw Blade Alignment and Run-out:** Insert the gauge into the miter slot and position the dial indicator's probe against the saw blade. Rotate the blade manually to observe any run-out or misalignment.
- **Checking Fence Straightness:** Place the gauge in the miter slot and move it along the fence, observing the dial indicator for variations that indicate an uneven fence.
- **Checking Drill Chuck Run-out:** For drill presses, position the gauge to measure the run-out of the drill chuck, ensuring precise drilling operations.
- **Checking Jointer Depth of Cut:** Use the gauge to accurately measure and set the depth of cut on a jointer.

## Professional and Multifunctional Table Saw Gauge

Ideal for Accurate Aligning and Calibrating Works



Check the Saw Blade Alignment and Run-out



Check the Fence Straightness



Check the Drill Chuck Run-out



Check the Jointer Depth of Cut

*Image: This image illustrates the multifunctional capabilities of the Neoteck Table Saw Gauge, showing its use for checking saw blade alignment, fence straightness, drill chuck run-out, and jointer depth of cut.*

### Operation Video:

Your browser does not support the video tag.

*Video: This official Neoteck video demonstrates the practical application of the 0-1" Table Saw Dial Indicator Set for various alignment checks, including blade run-out and fence parallelism.*

## MAINTENANCE

To ensure the longevity and accuracy of your Neoteck Dial Indicator Table Saw Gauge, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe down the gauge with a clean, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials that could damage the finish or precision components.
- **Storage:** Store the gauge in a dry, clean environment, preferably in its original packaging or a protective case, to prevent damage from impacts or moisture.
- **Lubrication:** The internal mechanisms of the dial indicator are designed for long-term performance. Avoid disassembling the dial indicator or applying lubricants unless specifically instructed by the manufacturer.
- **Inspection:** Periodically inspect all screws and connections to ensure they remain tight. The aluminum alloy bar is designed to reduce wear and prevent rust, contributing to a longer service life.

### 0 - 1" Dial Indicator with High Resolution of 0.001"



Shockproof and Waterproof Indicator with Clear Scale



Wear-resistant and Anti-rust Screw Thread (M2.5)



Durable Construction to Ensures Stable and Accurate Measurement



Rear Covered Attached

*Image: Detailed view of the Neoteck 0-1 inch Dial Indicator, highlighting its shockproof and waterproof*

*design, clear scale, wear-resistant and anti-rust screw thread (M2.5), durable construction, and rear covered attachment.*

## TROUBLESHOOTING

If you encounter issues with your Neoteck Dial Indicator Table Saw Gauge, consider the following:

- **Inaccurate Readings:**
  - Ensure the dial indicator is securely mounted and not loose.
  - Verify that the probe is making consistent contact with the surface being measured.
  - Check for any debris or obstructions affecting the probe's movement.
  - Confirm that the gauge is properly seated in the miter slot and not wobbling.
- **Gauge Not Fitting Miter Slot:**
  - The aluminum alloy bar is suitable for table saws with a groove width of 3/4" (19mm) or wider.
  - If the groove width exceeds 3/4" (19mm), adjustments can be made using the screws to achieve the most suitable groove width. Refer to the "Adjustable Table Saw Gauge" section in the setup instructions.
- **Loose Components:**
  - Periodically check and tighten all screws and nuts, especially the plum blossom nuts and plunger screw, to maintain stability.

## SPECIFICATIONS

| Feature             | Detail                                                                         |
|---------------------|--------------------------------------------------------------------------------|
| Model Number        | NTK217                                                                         |
| Measurement Range   | 0-1 inch                                                                       |
| Resolution          | 0.001 inch                                                                     |
| Material            | Aluminum Alloy                                                                 |
| Color               | Black                                                                          |
| Item Weight         | 14.4 ounces                                                                    |
| Package Dimensions  | 8.5 x 5.47 x 2.2 inches                                                        |
| Power Source        | Hand-powered                                                                   |
| Included Components | 1*Dial Indicator, 1*Chute Rod, 1*Dial Gauge Rod, Sets of Measuring Accessories |



*Image: Technical drawing showing the dimensions of the Neoteck Table Saw Gauge, including the lengths of the rods and overall measurements in millimeters and inches.*

## WARRANTY INFORMATION

The Neoteck 0-1"/0.001" Dial Indicator Table Saw Gauge (Model NTK217) comes with an 18-month warranty from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

## CUSTOMER SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your Neoteck Dial Indicator Table Saw Gauge, please contact Neoteck customer service. You can typically find contact information on the official Neoteck website or through the retailer where the product was purchased.