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> NEIKO 02638A 5-Inch Automatic Center Punch Instruction Manual

## NEIKO 02638A

# NEIKO 02638A 5-Inch Automatic Center Punch Instruction Manual

Model: 02638A

## 1. INTRODUCTION

The NEIKO 02638A 5-Inch Automatic Center Punch is a precision tool designed for creating accurate indentations on various materials before drilling or fastening. This spring-loaded tool eliminates the need for a hammer, providing consistent and controlled marking. It is suitable for use on wood, plastic, metal, glass, and leather.





Figure 1: NEIKO 02638A 5-Inch Automatic Center Punch. This image shows the complete automatic center punch with its red cap and knurled body.

## 2. PRODUCT FEATURES

- **Automatic Operation:** Spring-driven action eliminates the need for a hammer, allowing for one-handed operation.
- **Adjustable Impact Force:** A rotating cap allows for adjustment of the strike force to suit different materials and desired indentation depths.
- **Durable Construction:** Features a chrome-plated shank body for corrosion resistance and a reinforced S2 steel tip for durability and hardness.
- **Versatile Application:** Effective on a wide range of materials including metal, wood, plastic, glass, and leather.
- **Ergonomic Grip:** Knurled non-slip surface and a comfortable ball end cap provide secure handling and precise control.

# PUNCH WITH COMFORT

## KNURLED NON-SLIP GRIP FOR MORE ACCURATE AND PRECISE PUNCHING



Figure 2: Knurled non-slip grip for enhanced control. The image highlights the textured surface of the punch body designed for a secure hold.

### 3. SETUP

1. **Unpack the Tool:** Remove the automatic center punch from its packaging.
2. **Inspect for Damage:** Before first use, visually inspect the tool for any signs of damage or manufacturing defects. Do not use if damaged.
3. **Adjust Impact Force:** The red cap at the top of the punch can be rotated to adjust the spring tension, thereby controlling the impact force. Rotate clockwise for a stronger strike (H) and counter-clockwise for a lighter strike (L).

# ADJUSTABLE TENSION

## SPRING-DRIVEN ACTION AND ADJUSTABLE STROKE FEATURE MAKES PUNCHING A SIMPLE TASK



Figure 3: Adjusting the impact tension. This image illustrates the rotating cap with 'H' and 'L' markings for adjusting the strike force.

## 4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective use of your automatic center punch:

1. **Prepare the Workpiece:** Ensure the material you intend to mark is stable and securely placed on a flat, sturdy surface.
2. **Select Impact Force:** Adjust the red cap to the desired impact force (refer to Section 3). A stronger force is generally needed for harder materials like metal, while a lighter force is suitable for softer materials like wood or plastic.
3. **Position the Tip:** Place the hardened steel tip of the center punch precisely on the spot where you wish to make an indentation. Hold the tool firmly and vertically.

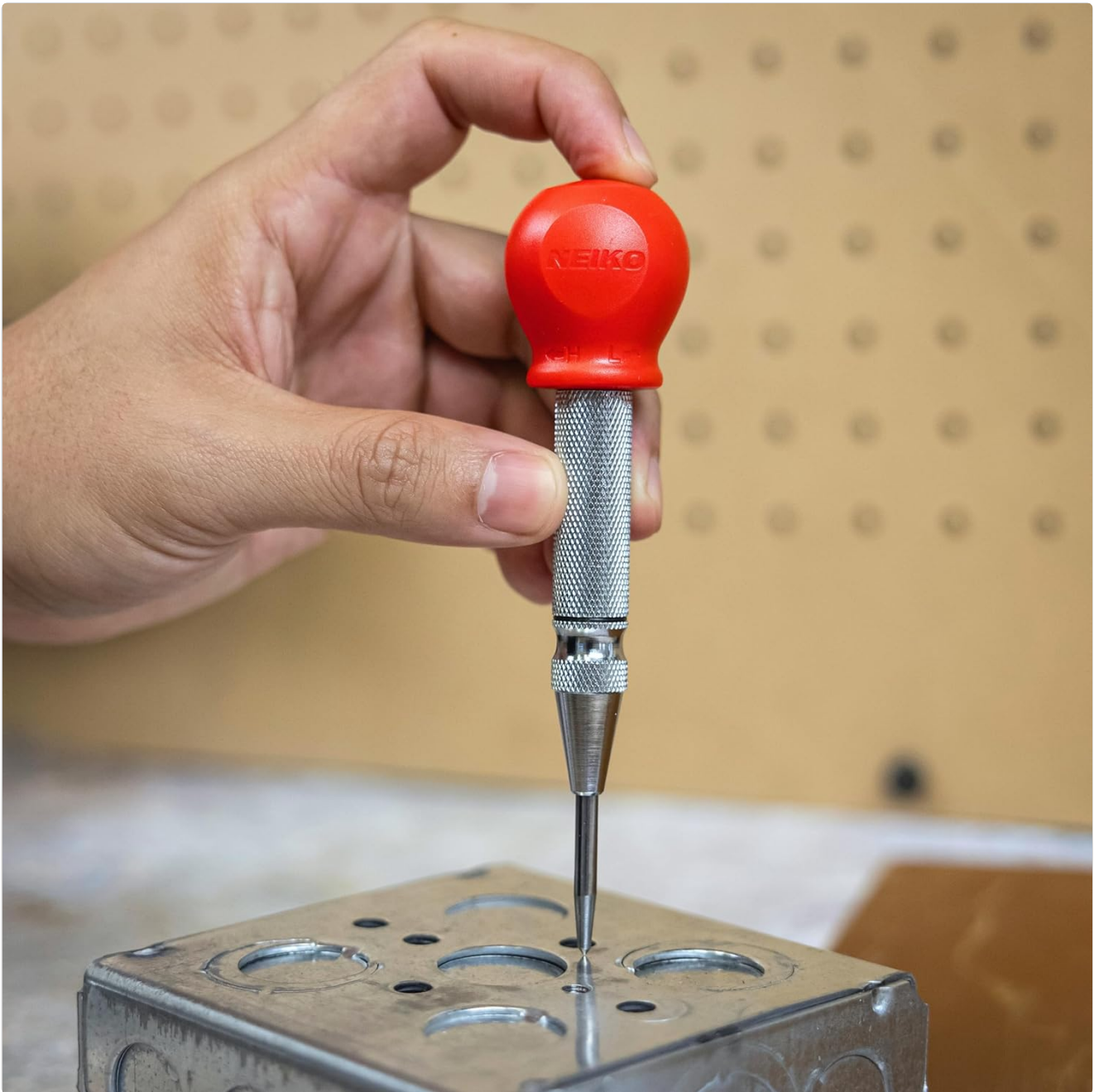


Figure 4: Positioning the punch on a metal surface. A hand holds the center punch vertically over a metal electrical box, ready to make a mark.

4. **Activate the Punch:** Apply firm downward pressure on the red cap. The internal spring mechanism will compress and then release, causing the tip to strike the surface and create an indentation. You will hear a distinct click when the mechanism activates.
5. **Verify Mark:** Lift the punch and inspect the indentation. If a deeper mark is required, reposition the punch in the same spot and repeat the process, or adjust the impact force to a higher setting.

The NEIKO automatic center punch is suitable for various applications, including:

- Marking drill points on metal, wood, and plastic.
- Creating pilot holes for screws.
- Emergency window breaking (use with caution and only in emergency situations).
- Leather marking.

## 5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your NEIKO Automatic Center Punch.

- **Cleaning:** After each use, wipe the tool clean with a dry cloth to remove any dust, debris, or material residue. For stubborn grime, a slightly damp cloth can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts, particularly the spring mechanism and the tip, to ensure smooth operation and prevent corrosion.
- **Storage:** Store the center punch in a dry environment to prevent rust. Keep it away from excessive moisture and corrosive substances.
- **Tip Inspection:** Regularly inspect the S2 steel tip for wear or damage. While designed for durability, extreme use on very hard materials may eventually dull the tip. Replacement tips are generally not available for this model, so proper use is crucial.



Figure 5: Internal spring mechanism. This image shows the center punch disassembled, revealing the spring and threaded components, which benefit from occasional lubrication.

## 6. TROUBLESHOOTING

The NEIKO Automatic Center Punch is a simple mechanical tool. Most issues can be resolved with basic checks.

Problem	Possible Cause	Solution
Punch does not make a mark or mark is too faint.	Impact force set too low. Tip is dull or worn. Insufficient downward pressure.	Rotate the red cap clockwise to increase impact force. Inspect the tip for wear. If severely dull, the tool may need replacement. Apply more firm and consistent downward pressure.
Punch mechanism feels stiff or sticky.	Lack of lubrication. Accumulation of dirt or debris.	Apply a light machine oil to the internal mechanism (refer to Section 5). Clean the tool thoroughly, ensuring no debris obstructs the spring.
Punch slips on the surface.	Tip is dull. Surface is oily or uneven. Tool not held vertically.	Inspect and replace if necessary (if possible). Clean the workpiece surface. Ensure the punch is held perpendicular to the surface.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	02638A
Length	5 inches
Tip Material	Reinforced S2 Steel
Body Material	Chrome-plated Shank
Adjustable Impact	Yes
Dimensions (Product)	7.7 x 2.8 x 1.2 inches
Weight	2.4 ounces

## 8. WARRANTY AND SUPPORT

NEIKO stands behind the quality and durability of its tools. For specific warranty information or technical support, please refer to the official NEIKO website or contact their customer service.

You can visit the official NEIKO store for more information and support: [NEIKO Official Store](#).

