

## HARDELL DT105105A

# HARDELL 14-inch Rivet Nut Tool Instruction Manual

Model: DT105105A | Brand: HARDELL

## 1. PRODUCT OVERVIEW

The HARDELL 14-inch Rivet Nut Tool is designed for efficient and reliable rivet nut installation. This comprehensive kit includes the rivet nut tool, an assortment of 7 metric and inch mandrels (M6, M8, M10, 1/4-20, 5/16-18, 3/8-16, 10-24), and 100 assorted rivet nuts. It is housed in a sturdy carrying case for convenient storage and portability.

Constructed from high-carbon steel with heat treatment, the tool is built for durability and resistance to corrosion and distortion. The U-shaped rivet arm enhances reliability and prevents bending. An ergonomic TPR handle sleeve and 35CRMO screw material contribute to a labor-saving design, providing maximum leverage and comfort during use.

The tool features a quick-change head design, allowing for effortless switching of mandrels and nose pieces without additional tools, streamlining your riveting tasks.



Image 1.1: Complete HARDELL 14-inch Rivet Nut Tool kit.

## Product Details



Image 1.2: Key features of the HARDELL Rivet Nut Tool.

## 2. PACKAGE CONTENTS

Your HARDELL Rivet Nut Tool kit includes the following items:

- 1 x HARDELL 14-inch Rivet Nut Tool
- 7 x Interchangeable Mandrels (M6, M8, M10, 1/4-20, 5/16-18, 3/8-16, 10-24)
- 100 x Assorted Rivet Nuts (various sizes corresponding to mandrels)
- 1 x Rugged Carrying Case

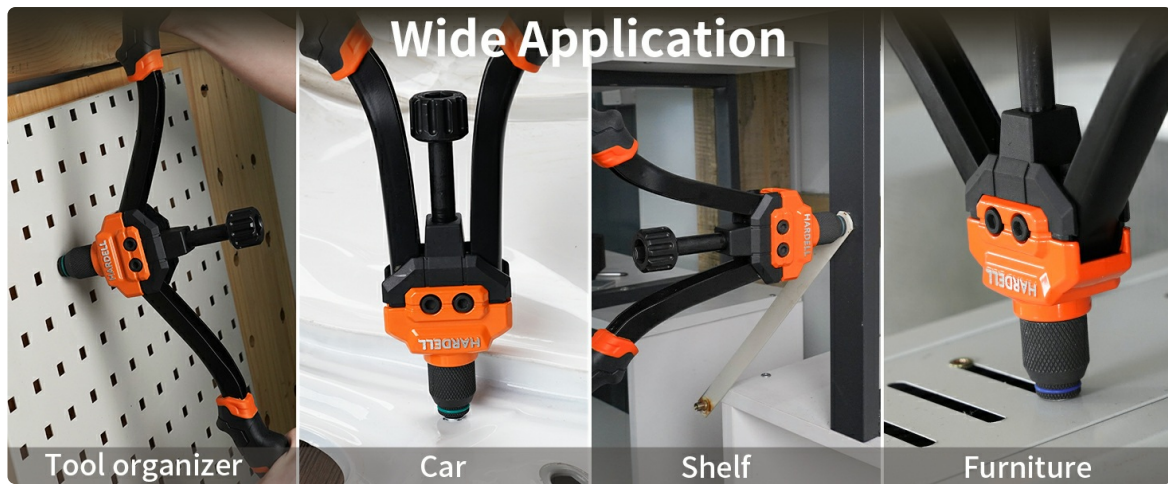


Image 2.1: Assortment of 7 mandrels and rivet nuts.



Image 2.2: The rugged carrying case for the tool and accessories.

### 3. SETUP

#### 3.1 Mandrel and Nose Piece Installation

1. Unscrew the nose piece counter-clockwise to remove it.
2. Unscrew the inner hex sleeve and pull it to fully disengage the mandrel.
3. Remove the current mandrel.
4. Insert the desired mandrel into the tool. Ensure the inner hex sleeve is fully re-engaged.
5. Thread the matching nose piece onto the outer sleeve by hand until it is tight.



Image 3.1: Three-step mandrel installation process.

### 3.2 Mandrel Size Matching

The kit includes color-coded mandrels and corresponding rivet nuts for easy identification and matching. Always use the mandrel size that matches the rivet nut you intend to install.



Image 3.2: Quickly matching mandrels and rivet nuts by color coding.

Video 3.1: Demonstration of HARDELL Rivet Nut Tool setup and usage by yatools-us.

## 4. OPERATING INSTRUCTIONS

### 4.1 Drilling the Pilot Hole

Before installing a rivet nut, drill a pilot hole in your workpiece. The drill bit size should correspond to the outer diameter of the rivet nut body. Refer to the 'Hole Size Guide' below for recommended drill sizes.





Image 4.1: Rivet Nut Hole Size Guide.

## 4.2 Rivet Nut Installation

1. Ensure the tool handles are fully opened.
2. Thread the selected rivet nut onto the mandrel until it is fully seated against the nose piece.
3. Insert the rivet nut into the pre-drilled hole in your workpiece.
4. Press the tool handles together firmly and steadily to compress the rivet nut. The tool will automatically release once the rivet nut is properly set.
5. Unthread the tool from the installed rivet nut by turning the knob at the base of the mandrel counter-clockwise.



Image 4.2: Step-by-step rivet nut installation process.

Video 4.1: Demonstration of rivet nut tool usage by OMESON.

Video 4.2: Quick demonstration of rivet nut installation by AskWay.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your HARDELL Rivet Nut Tool, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any debris, metal shavings, or dirt.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts and threads of the mandrels to ensure smooth operation.
- **Storage:** Store the tool in its rugged carrying case in a dry, cool place to prevent rust and damage.
- **Inspection:** Regularly inspect mandrels and nose pieces for wear or damage. Replace any worn components to maintain optimal performance and prevent tool failure.



## 6. TROUBLESHOOTING

If you encounter issues while using your rivet nut tool, consider the following:

- **Rivet Nut Not Setting Properly:** Ensure the correct mandrel and nose piece size are used for your rivet nut. Verify that the pilot hole size in the workpiece is appropriate (not too large or too small). Make sure the rivet nut is fully threaded onto the mandrel before insertion.
- **Mandrel or Rivet Nut Stripping:** This can occur if excessive force is applied or if the mandrel is not fully engaged. Ensure the mandrel is tightened correctly and avoid over-tightening.
- **Difficulty Changing Mandrels:** Ensure the inner hex sleeve is fully disengaged before attempting to remove or insert a mandrel. Lubricate threads if necessary.
- **Tool Handles Sticking:** Apply a light lubricant to the pivot points and moving parts of the tool.




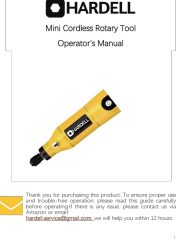


## 7. SPECIFICATIONS

Feature	Detail
Product Dimensions	15.35 x 9.84 x 3.74 inches
Item Weight	6.19 Pounds
Model Number	DT105105A
Material	High-carbon steel, Aluminum (for some components)
Fastener Type	Rivet Nut
Thread Sizes Included	M6, M8, M10, 1/4-20, 5/16-18, 3/8-16, 10-24
Exterior Finish	Polished
Color	Orange

## 8. WARRANTY AND SUPPORT

HARDELL is committed to customer satisfaction. If you encounter any quality issues with your rivet nut tool, please contact us for assistance. We strive to address most problems efficiently to ensure the best possible purchasing experience.

For further support or inquiries, please refer to the official HARDELL store or contact customer service.

	<p><a href="#">HARDELL LLX-360-01 Laser Level User Manual and Guide</a></p> <p>Comprehensive user manual for the HARDELL LLX-360-01 Laser Level, a 3D 12-line and 4D 16-line self-leveling device. This guide covers product descriptions, specifications, operation instructions, accessory use, package contents, maintenance, safety precautions, and warranty information for construction and alignment tasks.</p>
	<p><a href="#">HARDELL Digital Caliper User Manual - Specifications, Maintenance &amp; Troubleshooting</a></p> <p>Comprehensive user manual for the HARDELL Digital Caliper. Includes technical specifications, detailed nomenclature, measurement instructions, battery replacement guide, and troubleshooting tips for the 0-150mm/6-inch caliper.</p>
	<p><a href="#">HARDELL Mini Cordless Rotary Tool Operator's Manual</a></p> <p>Operator's manual for the HARDELL Mini Cordless Rotary Tool, detailing components, specifications, package contents, usage instructions, applications, and safety guidelines.</p>
	<p><a href="#">HARDELL Mini Cordless Rotary Tool Operator's Manual &amp; Guide</a></p> <p>Comprehensive operator's manual for the HARDELL Mini Cordless Rotary Tool, covering product descriptions, package contents, usage instructions, applications, safety guidelines, and warranty information.</p>
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