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› DOWELL Automatic Wire Stripper 10-24 AWG (Model HY040741) Instruction Manual

DOWELL HY040741

DOWELL Automatic Wire Stripper 10-24 AWG Instruction Manual

Model: HY040741

INTRODUCTION

This manual provides comprehensive instructions for the DOWELL Automatic Wire Stripper, a versatile 3-in-1 tool designed for efficient stripping, cutting, and crimping of electrical wires. It features an automatic adjustment mechanism that accommodates wire gauges from 10-24 AWG, making it suitable for a wide range of electrical tasks for both professionals and DIY enthusiasts. Please read this manual thoroughly before use to ensure safe and effective operation.

SAFETY INFORMATION

Adhering to safety guidelines is crucial when working with electrical tools. Always prioritize your safety and the safety of others.

- Always wear appropriate personal protective equipment, including safety glasses, to protect your eyes from flying debris.
- Ensure the power is disconnected from any electrical circuits before performing work.
- Keep hands and fingers clear of the stripping jaws, cutting blade, and crimping sections during operation.
- Do not use the tool for purposes other than its intended use (stripping, cutting, and crimping electrical wires).
- Store the tool in a dry, safe place, out of reach of children and unauthorized users.
- Inspect the tool for any damage before each use. Do not use a damaged tool.

PRODUCT OVERVIEW

The DOWELL Automatic Wire Stripper (Model HY040741) is an 8-inch tool designed for versatility and ease of use. It integrates three essential functions into one durable device: automatic wire stripping, precise wire cutting, and secure terminal crimping. The tool is constructed from high-quality alloy steel for durability, and features a Thermoplastic Elastomer (TPE) handle for an ergonomic, non-slip grip.

Specifications



Wire stripping

24-10AWG(0.25-6.0mm²)

Stripping Length Limiter

Cutting

For non-insulated terminals

12-10AWG(4-6mm²)

For non-insulated terminals

16-14AWG(1.5-2.5mm²)

For non-insulated terminals

22-18AWG(0.5-1mm²)

For insulated terminals

22-10AWG(0.5-6.0mm²)



This image illustrates the key components of the DOWELL Automatic Wire Stripper. It highlights the wire stripping mechanism for 24-10 AWG (0.25-6.0mm²), the cutting section, and the crimping sections for insulated terminals (22-10 AWG, 0.5-6.0mm²) and non-insulated terminals (12-10 AWG, 4-6mm²; 16-14 AWG, 1.5-2.5mm²; 22-18 AWG, 0.5-1mm²). A stripping length limiter is also visible for consistent results.

SETUP

The DOWELL Automatic Wire Stripper is designed for immediate use out of the box, requiring no assembly. Before first use, familiarize yourself with its features.

Adjusting the Stripping Length Limiter

The tool includes an adjustable length limiter to ensure consistent and precise stripping lengths for repetitive tasks.

1. Locate the red plastic stopper positioned on the stripping jaws.
2. Slide the stopper to the desired stripping length. This will act as a guide, preventing the wire from being stripped beyond that point.

3. Ensure the stopper is securely in place before proceeding with stripping operations.

OPERATING INSTRUCTIONS

This section details the primary functions of the DOWELL Automatic Wire Stripper: stripping, cutting, and crimping.

Wire Stripping (10-24 AWG)

The automatic stripping mechanism intelligently adapts to the wire gauge, providing clean and precise insulation removal.

1. Open the handles of the stripper completely.
2. Insert the wire into the stripping jaws, ensuring the insulation rests against the length limiter (if used) and the conductor is positioned correctly.
3. Squeeze the handles firmly and completely. The jaws will grip the insulation, cut it, and pull it away from the conductor in one smooth motion.
4. Release the handles to remove the stripped wire. Inspect the stripped end for cleanliness and ensure no conductor strands are damaged.



Boost Efficiency with
DOWELL 8-Inch Stripper

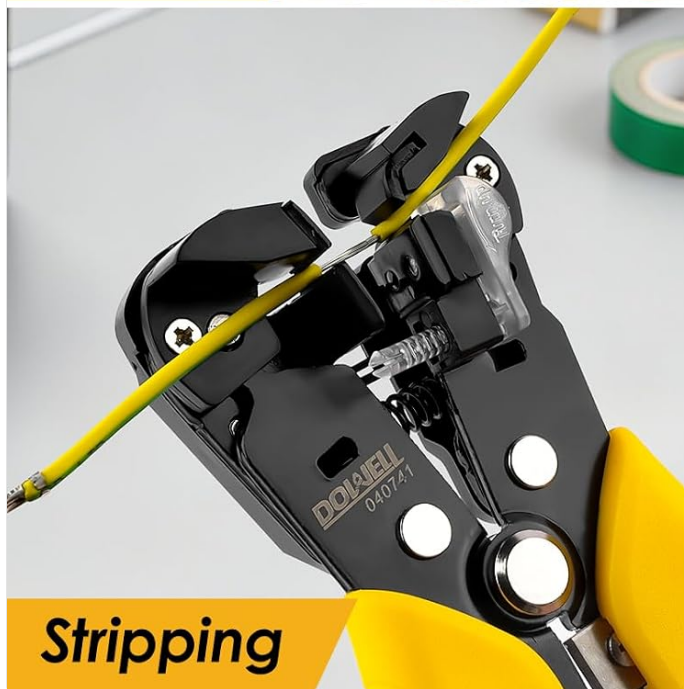
This image demonstrates the wire stripping function. A red wire is inserted into the tool's jaws, and the handles are squeezed, cleanly removing the insulation to expose the copper conductor. The automatic mechanism ensures precise stripping without damaging the wire core.

Wire Cutting

The tool includes a sharp, dedicated cutting blade suitable for copper and aluminum wires.

1. Locate the cutting blade positioned near the pivot point of the tool.
2. Place the wire into the cutting blade opening. Ensure the wire is fully seated within the cutting edges.
3. Squeeze the handles firmly to cut the wire cleanly.

8-Inch 3-in-1 Wire Stripper



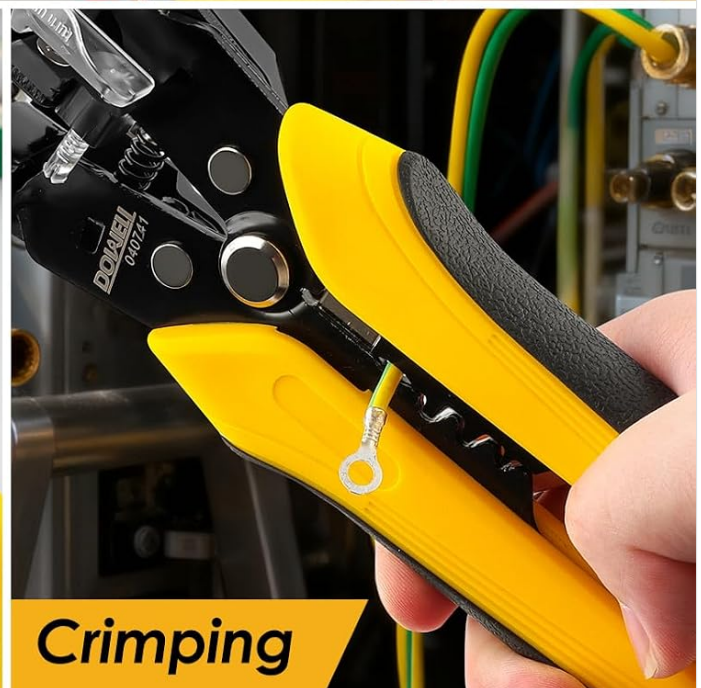
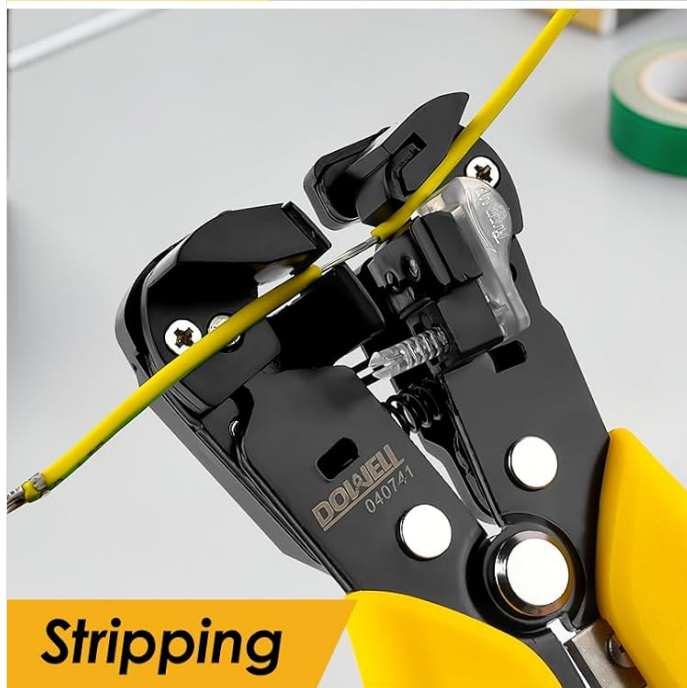
This image shows the wire cutting capability of the tool. A yellow wire is positioned within the cutting jaws, ready to be severed cleanly. The tool's design allows for burr-free cuts on various wire types.

Wire Crimping (10-22 AWG)

The tool features multiple crimping jaws for both insulated and non-insulated terminals, ensuring secure electrical connections.

1. Select the appropriate crimping slot based on the terminal size (AWG or mm²). Refer to the markings on the tool for guidance:
 - For insulated terminals: 22-10 AWG (0.5-6.0mm²)
 - For non-insulated terminals: 12-10 AWG (4-6mm²), 16-14 AWG (1.5-2.5mm²), 22-18 AWG (0.5-1mm²)
2. Insert the terminal into the chosen crimping slot.
3. Insert the stripped wire into the terminal, ensuring it is fully seated.
4. Squeeze the handles firmly and completely to crimp the terminal onto the wire.
5. Release the handles and carefully remove the crimped connection. Inspect the crimp for a secure and proper connection.

8-Inch 3-in-1 Wire Stripper



This image illustrates the crimping function. A yellow wire with a terminal attached is placed in the crimping jaws, and the handles are compressed to secure the terminal to the wire, creating a strong electrical connection.

MAINTENANCE

Proper maintenance will extend the lifespan of your DOWELL Automatic Wire Stripper and ensure its continued performance.

- **Cleaning:** After each use, wipe the tool clean with a dry cloth to remove any wire fragments, insulation debris, or dust. Avoid using harsh chemicals that could damage the tool's materials.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and moving parts of the tool. This will ensure smooth operation and prevent rust.
- **Inspection:** Regularly inspect the stripping jaws, cutting blade, and crimping sections for signs of wear, dullness, or damage. If the blades become excessively dull or damaged, the tool's performance will be compromised, and it may need replacement.
- **Storage:** Store the tool in a dry environment to prevent rust and corrosion. Keep it in a tool bag or box to protect it from impacts.

TROUBLESHOOTING

If you encounter issues while using your DOWELL Automatic Wire Stripper, refer to the following common problems and solutions.

Wire Not Stripping Cleanly or Completely

- **Cause:** The wire gauge is outside the specified 10-24 AWG range.
Solution: Ensure the wire you are attempting to strip falls within the tool's specified capacity.
- **Cause:** Stripping jaws are dull or damaged.
Solution: Inspect the jaws for wear. If severely worn or damaged, the tool may need to be replaced.
- **Cause:** Insufficient pressure applied to the handles.
Solution: Squeeze the handles firmly and completely until the stripping action is finished.

Wire Core Damaged During Stripping

- **Cause:** The wire insulation is unusually thin for its gauge, or the wire is not properly seated.
Solution: Ensure the wire is fully and correctly seated in the stripping jaws. For very fine or unusually insulated wires, careful manual adjustment or a different tool might be necessary if damage persists.

Poor Crimping Connection

- **Cause:** Incorrect crimping slot used for the terminal size.
Solution: Verify that the terminal's AWG/mm² rating matches the selected crimping slot on the tool.
- **Cause:** Insufficient pressure applied during crimping.
Solution: Squeeze the handles firmly and completely until the crimp is secure.
- **Cause:** Terminal or wire is not properly seated in the crimping jaws.
Solution: Ensure the stripped wire is fully inserted into the terminal and the terminal is correctly positioned within the crimping jaws before applying pressure.

SPECIFICATIONS

Detailed technical specifications for the DOWELL Automatic Wire Stripper, Model HY040741.

Feature	Detail
Brand	DOWELL
Model Number	HY040741
Wire Stripping Capacity	10-24 AWG (0.25-6.0mm²)
Crimping Capacity (Insulated Terminals)	22-10 AWG (0.5-6.0mm²)

Feature	Detail
Crimping Capacity (Non-Insulated Terminals)	12-10 AWG (4-6mm²), 16-14 AWG (1.5-2.5mm²), 22-18 AWG (0.5-1mm²)
Material	Alloy Steel, Thermoplastic Rubber (TPR)
Handle Material	Thermoplastic Elastomer (TPE)
Color	Yellow
Item Weight	0.32 Kilograms
Cutting Width	8 Inches
Specific Uses For Product	Electrical repairs and installations, Industrial electrical work, Home lighting wiring

WARRANTY AND SUPPORT

The DOWELL Automatic Wire Stripper (Model HY040741) is backed by a 3-year warranty, ensuring quality and reliability. For technical support, warranty claims, or any questions regarding the use or maintenance of this product, please contact DOWELL customer service. You can find contact information on the product packaging or by visiting the official DOWELL website. Lifetime technical support is provided for this product to assist you with any long-term needs.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

