

Performance Tool W30901

Performance Tool W30901 8-Piece Metric Nut Driver Set

MODEL: W30901

Introduction

This instruction manual provides essential information for the safe and effective use of your Performance Tool W30901 8-Piece Metric Nut Driver Set. Please read this manual thoroughly before using the tools and retain it for future reference. This set is designed for both professional mechanics and DIY enthusiasts, offering precision and durability for various applications.

Product Overview and Features

The Performance Tool W30901 is an 8-piece metric nut driver set crafted for optimal performance and user comfort. Key features include:

- **Ergonomic Design:** Features non-slip molded grips for improved comfort and control during use.
- **Durable Construction:** Made with high-quality chrome vanadium steel and corrosion-resistant chrome plating for long-lasting durability.
- **Hollow Shafts:** Designed with hollow shafts to allow easy access to nuts and bolts in tight or hard-to-reach areas, accommodating longer bolts.
- **Metric Sizes:** Includes 8 professional-style metric nut drivers in sizes 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, and 12mm.



Image: The complete 8-piece Performance Tool W30901 Metric Nut Driver Set, showcasing the ergonomic handles and various sizes.



Image: The Performance Tool W30901 8-Piece Metric Nut Driver Set displayed in its retail packaging, highlighting the product's features and branding.

Setup

The Performance Tool W30901 Nut Driver Set requires minimal setup. Upon receiving the product:

1. Remove the nut drivers from their packaging.
2. Inspect each nut driver for any signs of damage or manufacturing defects. Do not use damaged tools.
3. Familiarize yourself with the different metric sizes (5mm to 12mm) to ensure quick selection during tasks.
4. Store the nut drivers in a clean, dry place, preferably in a tool organizer or box to prevent loss and damage.

Operating Instructions

Follow these guidelines for effective and safe operation of your nut drivers:

1. **Select the Correct Size:** Always choose the nut driver that precisely matches the size of the nut or bolt head. Using an incorrect size can strip the fastener or damage the tool.
2. **Ensure Proper Engagement:** Place the nut driver squarely over the fastener, ensuring full engagement with all sides of the nut or bolt head.
3. **Apply Steady Pressure:** Apply steady, firm pressure while turning the nut driver. Avoid sudden jerks or excessive force, which can lead to slippage or damage.
4. **Utilize Hollow Shafts:** For fasteners with long threaded shafts, the hollow design of these nut drivers allows the shaft to pass through, enabling you to reach and turn nuts located deeper on the bolt.
5. **Tightening/Loosening:** Turn clockwise to tighten and counter-clockwise to loosen. Always ensure the fastener is securely tightened but avoid over-tightening, which can cause damage.

Product Usage Demonstration

Video: A demonstration of a nut driver set in use, highlighting its features and application.

Video: A product overview video showcasing the features and benefits of a nut driver set.

Maintenance

Proper maintenance ensures the longevity and performance of your nut drivers:

- **Cleaning:** After each use, wipe down the nut drivers with a clean, dry cloth to remove dirt, grease, and debris. For stubborn grime, use a mild cleaner and ensure tools are completely dry before storage.
- **Storage:** Store the nut drivers in a dry environment to prevent rust and corrosion. Keep them organized in a toolbox or tool roll to protect them from impacts and prevent loss.
- **Inspection:** Periodically inspect the shafts and tips for any signs of wear, bending, or damage. Replace any damaged tools to maintain safety and effectiveness.
- **Corrosion Protection:** While chrome-plated for corrosion resistance, applying a light coat of rust preventative oil to the metal shafts can offer additional protection, especially in humid environments.

Troubleshooting

Most issues with nut drivers stem from improper use or selection. Here are common scenarios and solutions:

- **Fastener Slipping:** If the nut driver slips off the fastener, ensure you are using the correct size and that the tool is fully engaged. Apply firm, steady pressure.
- **Stripped Fastener:** A stripped fastener head usually indicates an incorrect tool size was used or excessive force was applied. In such cases, specialized tools may be required for removal.
- **Difficulty Reaching Fastener:** If a nut driver cannot reach a deeply recessed nut, verify that the hollow shaft is being utilized correctly. If the bolt is too long for the hollow shaft, consider alternative tools like deep sockets with an extension.
- **Tool Damage:** If a nut driver becomes bent or cracked, discontinue use immediately. Damaged tools can be unsafe and ineffective.

Specifications

| Specification | Detail |
|---------------------|---|
| Brand | Performance Tool |
| Model Number | W30901 |
| Number of Pieces | 8 |
| Head Style | Hex |
| Material | Chrome Vanadium Steel |
| Finish | Corrosion-resistant Chrome Plating |
| Handle Type | Ergonomic, Non-slip Molded Grips |
| Head Sizes (Metric) | 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm |
| Special Feature | Hollow Shafts |
| Recommended Uses | Home Improvement, Auto Repair |
| Item Weight | 1.75 pounds |
| Product Dimensions | 9.4 x 1.5 x 12 inches |

Safety Information

Always prioritize safety when using hand tools. Adhere to the following safety guidelines:

- Wear appropriate personal protective equipment (PPE), such as safety glasses, to protect against flying debris.
- Ensure the workpiece is stable and secured before applying force with the nut driver.
- Do not use nut drivers as pry bars or chisels. They are designed for turning fasteners only.
- Keep hands and fingers clear of moving parts or pinch points.
- Do not use damaged or worn tools. Replace them immediately.
- Keep tools out of reach of children.

Warranty and Support

Performance Tool products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the documentation included with your purchase or visit the official Performance Tool website. Keep your proof of purchase for any warranty claims.

For additional assistance, you may contact the manufacturer directly through their customer service channels.