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MODEL: 25-PIECE FOLDING ALLEN WRENCH SET

Brand: Topline

1. INTRODUCTION

Thank you for choosing the Topline 25-Piece Folding Allen Wrench Set. This comprehensive set includes SAE, Metric, and Torx hex keys, designed for a wide range of applications from basic home repairs to furniture assembly and bicycle maintenance. Its portable folding design ensures convenience and easy storage. This manual provides detailed instructions for proper use, care, and maintenance to ensure optimal performance and longevity of your tools.



Figure 1.1: The Topline 25-Piece Folding Allen Wrench Set, featuring three distinct color-coded sets for SAE, Metric, and Torx sizes.

2. PRODUCT FEATURES

- **Comprehensive 3-Pack Set:** Includes 8-piece Metric (Yellow), 9-piece SAE (Red), and 8-piece Torx (Blue) hex key sets, covering a wide array of common sizes for various tasks.
- **Durable Construction:** Made from heat-treated chrome vanadium steel with a black oxide finish, providing excellent durability and corrosion resistance for long-lasting performance.
- **Comfortable and Secure Grip:** Features a composite construction with PP&TPR materials and rubber side inserts, ensuring a powerful torque and comfortable grip during use.
- **Chamfered Edge Design:** Each hex key is designed with a chamfered edge, facilitating smooth and easy entry into fasteners, reducing the risk of stripping.
- **Visible Size Markings:** Sizes are clearly printed on each hex key and the handle for quick and easy identification, ensuring you select the correct tool for the job.
- **Portable Folding Design:** All frequently used sizes are assembled into a convenient folding design, making the set easy to carry and store, ideal for both home and outdoor use.

COMFORTABLE GRIP

Wide handle with PP&TPR materials for powerful torque and comfortable grip



Figure 2.1: Ergonomic design with PP&TPR materials provides a comfortable and secure grip.

CHAMFERED EDGE

helps guide the wrench for a smooth, easy entry of the hex key

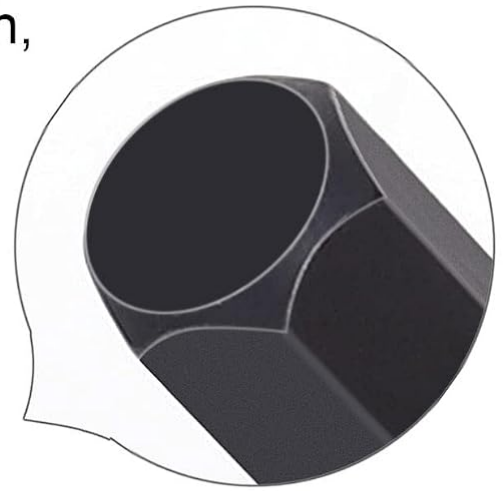


Figure 2.2: Chamfered edges allow for smooth and easy insertion into fasteners.



3. PACKAGE CONTENTS

Your Topline 25-Piece Folding Allen Wrench Set includes the following:

- 1 x 8-Piece Metric Hex Key Set (Yellow handle)
- 1 x 9-Piece SAE Hex Key Set (Red handle)
- 1 x 8-Piece Torx Hex Key Set (Blue handle)

9-Piece SAE Hex Key Set



Figure 3.1: 9-Piece SAE Hex Key Set (Red) with sizes: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4".

8-Piece METRIC Hex Key Set



Figure 3.2: 8-Piece Metric Hex Key Set (Yellow) with sizes: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm.

8-Piece TORX Hex Key Set



Figure 3.3: 8-Piece Torx Hex Key Set (Blue) with sizes: T9, T10, T15, T20, T25, T27, T30, T40.

4. SETUP

The Topline Folding Allen Wrench Set is designed for immediate use with minimal setup required. Simply unfold the desired hex key from its housing.

4.1 Identifying Wrench Sizes

Each hex key and its corresponding slot on the handle are clearly marked with their respective sizes. Refer to the markings to select the correct size for your fastener.

- **Metric Set (Yellow):** Sizes 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm.

- **SAE Set (Red):** Sizes 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4".
- **Torx Set (Blue):** Sizes T9, T10, T15, T20, T25, T27, T30, T40.

5. OPERATING INSTRUCTIONS

5.1 General Use

1. **Select the Correct Size:** Identify the appropriate hex key size for your fastener by checking the markings on the tool.
2. **Unfold the Key:** Gently unfold the selected hex key from its housing until it locks into a comfortable working position.
3. **Insert into Fastener:** Insert the hex key fully into the head of the screw or bolt. Ensure a snug fit to prevent stripping. The chamfered edge aids in smooth insertion.
4. **Apply Torque:** Rotate the wrench clockwise to tighten or counter-clockwise to loosen the fastener. Apply steady, even pressure. The wide handle provides powerful torque and a comfortable grip.
5. **Fold for Storage:** Once finished, fold the hex key back into its housing for compact storage.

5.2 Specific Applications

- **Bicycle Repair:** Ideal for adjusting bicycle components such as handlebars, seats, and brakes.
- **Home Repair:** Suitable for various household tasks, including tightening loose screws on appliances, door handles, and fixtures.
- **Furniture Assembly:** Perfect for assembling flat-pack furniture that often uses hex or Torx head fasteners.

Your browser does not support the video tag.

Video 5.1: Demonstrates the versatility and ease of use of the Toplevel 25-Piece Folding Allen Wrench Set for various applications, including bicycle repair and home maintenance.



Figure 5.2: The hex key set is an essential tool for bicycle adjustments and repairs.



Figure 5.3: The tools are competent for heavy-duty tasks, providing reliable performance.

6. MAINTENANCE

- **Cleaning:** After each use, wipe down the hex keys with a clean, dry cloth to remove any dirt, grease, or debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of machine oil to the metal parts of the hex keys to prevent rust and ensure smooth folding action.
- **Storage:** Store the hex key sets in a dry environment to prevent corrosion. The folding design allows for compact storage in a toolbox, drawer, or tool bag.
- **Inspection:** Regularly inspect the hex keys for any signs of wear, bending, or damage. Discontinue use of any damaged tools to prevent injury or further damage to fasteners.



Figure 6.1: The compact design allows for easy storage and portability in a tool bag.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Hex key slips or strips fastener head.	Incorrect size used; hex key not fully inserted; excessive force; worn tool.	Ensure correct size is selected and fully inserted. Apply steady, even pressure. Replace worn tools.
Difficulty unfolding/folding hex keys.	Dirt or debris in hinge; lack of lubrication.	Clean hinges and apply a light machine oil to the pivot points.
Rust or corrosion on hex keys.	Exposure to moisture; improper storage.	Clean and dry tools thoroughly after use. Store in a dry environment. Apply rust preventative if necessary.

8. SPECIFICATIONS

Attribute	Detail
Brand	Topline
Model	25-Piece Folding Allen Wrench Set
Material	Black Oxide Chrome Vanadium Steel
Finish Type	Black Oxide Finish
Head Style	Hex, Torx
Measurement System	Metric, Inch (SAE), Torx
Item Weight	5.3 ounces (approx. 0.33 Pounds)
Item Length	4.5 Inches (folded)
UPC	781573478020

Strong Chrome Vanadium Steel with heat-treated for durability



Figure 8.1: Dimensions and material details of the hex key set.

COMPACT DESIGN



Figure 8.2: Compact dimensions of the folding hex key set.

9. WARRANTY & SUPPORT

Topline is committed to providing high-quality tools. For any questions, concerns, or support regarding your 25-Piece Folding Allen Wrench Set, please contact Topline customer service. Please refer to the product packaging or the official Topline website for specific warranty information and contact details.

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