KLEIN TOOLS BLS18

Klein Tools BLS18 Hex Key Wrench Set User Manual

MODEL: BLS18 (SAE AND METRIC, 18-PIECE)

1. Introduction

This manual provides instructions for the safe and effective use of the Klein Tools BLS18 Hex Key Wrench Set. This set includes 18 color-coded hex keys in both SAE and Metric sizes, designed for various fastening applications. The L-style, long-arm design with ball ends enhances accessibility and leverage.

2. Safety Information

Always observe the following safety precautions when using hand tools:

- Wear appropriate personal protective equipment, such as safety glasses, to prevent eye injury.
- Ensure the hex key size matches the fastener to prevent stripping the fastener head or damaging the tool.
- Do not use hex keys with power tools unless specifically designed for such use.
- Avoid applying excessive force that could bend or break the hex key.
- Keep tools clean and free of grease or oil to maintain a secure grip.
- Store hex keys in their caddy when not in use to prevent loss and maintain organization.

3. Package Contents

The Klein Tools BLS18 Hex Key Wrench Set includes the following 18 pieces, organized in a compact caddy:

- **SAE Sizes:** 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8-Inch
- **Metric Sizes:** 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm

Image 3.1: The complete Klein Tools BLS18 Hex Key Wrench Set, featuring both SAE and Metric keys in their respective color-coded caddies.

4. Product Features

Key features of the BLS18 Hex Key Wrench Set include:

- **Color-Coded Sleeves:** Each hex key features a distinct color sleeve for quick and easy identification of SAE and Metric sizes.
- **Extra-Long Arms:** The extended length provides increased reach and leverage for fasteners in confined spaces.
- **Enhanced Comfort:** Plastic sleeves on the round shanks offer improved grip and comfort during prolonged use.
- **Ball-End Design:** Allows for optimal performance and fastening at angles up to 25 degrees, improving access to difficult-to-reach fasteners.

Image 4.1: A user holding both the SAE and Metric hex key sets, demonstrating their compact design and color-coded sleeves.
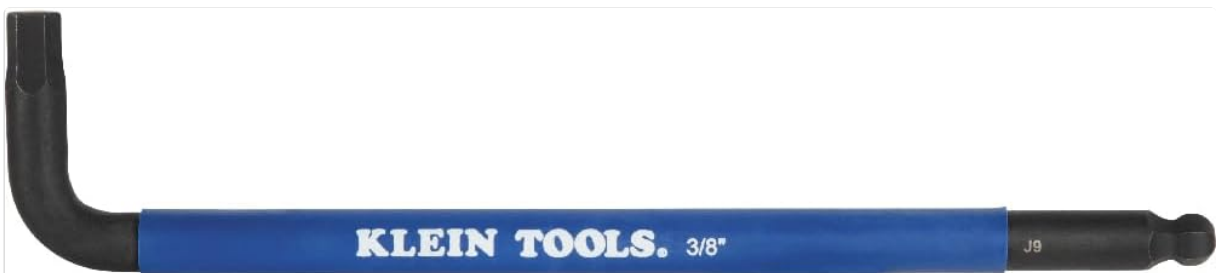

Image 4.2: Detail of an individual SAE hex key, highlighting the color-coded sleeve and ball-end feature.

5. Setup

The hex keys are pre-assembled in their respective caddies. No additional setup is required before use.

1. **Identify Size:** Locate the desired hex key by its color-coded sleeve and printed size marking.
2. **Remove from Caddy:** Gently pull the selected hex key from its slot in the caddy. The caddy is designed to hold the keys securely, so a firm pull may be necessary.

Image 5.1: Demonstrating the removal of a hex key from its storage caddy.

6. Operating Instructions

Follow these steps for proper operation:

1. **Select Correct Size:** Match the hex key to the fastener head. A snug fit is crucial to prevent damage.
2. **Insert Key:** Insert the hex key fully into the fastener head. For angled access, use the ball end. For maximum torque and to prevent stripping, use the straight end when possible.
3. **Apply Torque:** Turn the hex key clockwise to tighten or counter-clockwise to loosen the fastener. Apply steady, even pressure.
4. **Remove Key:** Once the task is complete, remove the hex key from the fastener.
5. **Return to Caddy:** Place the hex key back into its designated slot in the caddy for organized storage.

Image 6.1: A hex key being used to tighten a fastener, demonstrating practical application.

Image 6.2: Another view of a hex key in use, with the caddy conveniently placed for easy access to other sizes.

7. Maintenance

Proper maintenance ensures the longevity and performance of your hex key set:

- **Cleaning:** Wipe hex keys clean after each use to remove dirt, grease, or debris. A dry cloth is usually sufficient. For stubborn grime, a mild solvent can be used, followed by thorough drying.
- **Storage:** Always store the hex keys in their provided caddy in a dry environment to prevent rust and corrosion. Avoid storing in areas with high humidity or extreme temperatures.
- **Inspection:** Periodically inspect hex keys for signs of wear, bending, or damage. Replace any damaged keys to ensure safe and effective operation.

8. Troubleshooting

Common issues and their solutions:

- **Difficulty Removing Keys from Caddy:** The caddy is designed for a secure fit. Apply firm, steady pressure when pulling a key out. If a key is excessively tight, ensure it is aligned correctly.
- **Stripping Fastener Head:** This usually occurs if the hex key size does not perfectly match the fastener, or if excessive rotational force is applied without proper engagement. Ensure the correct

size is used and the key is fully seated.

- **Hex Key Bending/Breaking:** This indicates excessive force or using the tool beyond its intended capacity. Always use the correct tool for the job and avoid using hex keys as pry bars.
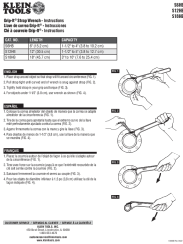
9. Specifications

Attribute	Detail
Model Number	BLS18
Brand	KLEIN TOOLS
Material	Tool Steel
Number of Pieces	18
Sizes Included	SAE: 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8-Inch Metric: 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm
Head Style	Hex, Ball End
Wrench Length Style	Extra Long
Item Weight	2.84 Pounds
Color	Orange (caddy), Multi-color (sleeves)

10. Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the official Klein Tools website or contact their customer service department. Keep your purchase receipt for warranty claims.

Visit the Klein Tools official website: Klein Tools Store
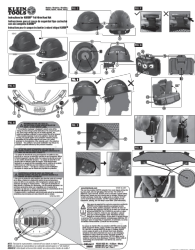
Related Documents - BLS18

[KLEIN TOOLS Grip-It® Strap Wrench Instructions: S6HB, S12HB, S18HB Models](#)
Comprehensive instructions for the KLEIN TOOLS Grip-It® Strap Wrench. Includes detailed steps, model specifications (S6HB, S12HB, S18HB), and usage guidance for various object sizes. Learn how to effectively use your strap wrench.

[Klein Tools MM450 Auto-Ranging TRMS Digital Multimeter Instruction Manual](#)
Explore the Klein Tools MM450 Auto-Ranging TRMS Digital Multimeter with this comprehensive instruction manual. Learn about its features for measuring AC/DC voltage, current, resistance, capacitance, frequency, temperature, and more. Includes detailed specifications and safety guidelines.

[Klein Tools KARBN™ Full-Brim Hard Hat: User Manual, Specs & Safety Guide](#)
Detailed instructions and specifications for the Klein Tools KARBN™ Full-Brim Hard Hat (Models 60626, 60345, 60346, 60347). Covers general specifications, fitting, adjustments, maintenance, safety warnings, and accessory compatibility.
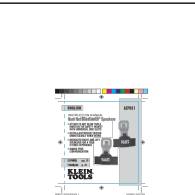
[Klein Tools CL710: 600A AC/DC Auto-Ranging TRMS Clamp Meter Instruction Manual](#)
This instruction manual details the Klein Tools CL710, a 600A AC/DC Auto-Ranging TRMS Clamp Meter. It covers general and electrical specifications, operating instructions, safety warnings, and maintenance for accurate electrical measurements.
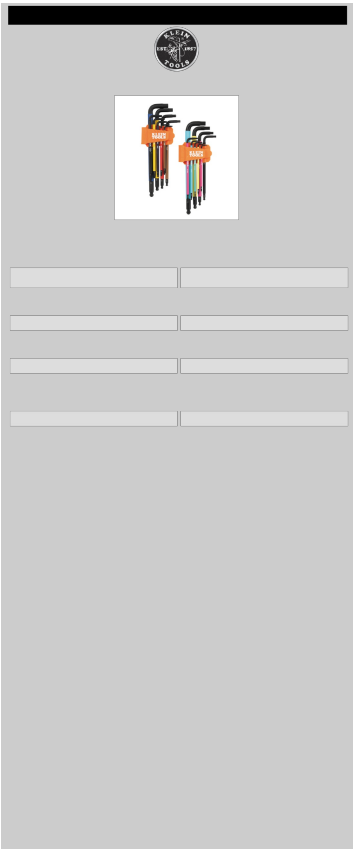
[Klein Tools RT105 Receptacle Tester: Instructions and Specifications](#)
Comprehensive guide for the Klein Tools RT105 Receptacle Tester, detailing its specifications, usage instructions, wiring configuration testing, safety precautions, and disposal information.

[Klein Tools AEPHS1 Hard Hat Bluetooth Speakers Instruction Manual](#)
Instruction manual for Klein Tools AEPHS1 Hard Hat Bluetooth Speakers. Learn about features, specifications, installation, operation, charging, Bluetooth pairing, music controls, voice assistant, and safety warnings.

Documents - KLEIN TOOLS – BLS18

[pdf] Specifications Datasheet Borchure Catalog

KleinTools Datasheet for BLS18 Klein Tools Color Coded Hex Key Set SAE and Metric 18 Piece Toolsdata kleintools âº all klein k datasheet bls18 data sites product assets documents brochures ||| Catalog No. **BLS18** Color Coded Hex Key Set, SAE and Metric, 18-Piece Klein Tools 18-Key Color-Coded Hex Key Set conveniently consolidates the most popular SAE and metric sizes into one compact caddy. The industrial strength, extended reach ball-end keys are optimal for working at angles up to 25 de...

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