

Bahco BHS108

Bahco BHS108 Socket Set User Manual

Model: BHS108

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Bahco BHS108 Socket Set. This comprehensive 108-piece set features both 1/4" and 1/2" square drive tools, crafted from alloy steel for durability. It is designed for a wide range of applications, from general maintenance to more specialized tasks. Please read these instructions thoroughly before using the product to ensure proper operation and to prevent damage or injury.

2. PRODUCT COMPONENTS

The Bahco BHS108 Socket Set includes 108 pieces, neatly organized within an impact and oil-resistant carrying case. Key components typically found in this set include:

- 1/4" and 1/2" Drive Ratchets
- Various Sockets (Metric and/or Imperial, depending on region)
- Extension Bars for both drive sizes
- Universal Joints
- Spark Plug Sockets
- Bit Driver Handle
- Assorted Screwdriver Bits (Phillips, Pozi, Torx, Hex, Slotted)
- Combination Wrenches
- T-Handle
- Spinner Handle



Figure 2.1: The Bahco BHS108 Socket Set is supplied in a durable, impact and oil-resistant carrying case for organized storage and transport.



Figure 2.2: A selection of 1/2" drive components, including a ratchet, various sockets, and extension bars, demonstrating the robust alloy steel construction.



Figure 2.3: A selection of 1/4" drive components, including a smaller ratchet, extension bars, and various sockets, designed for precision and access in confined spaces.



Figure 2.4: The included bit driver handle with a selection of common screwdriver bits, expanding the versatility of the set.



Figure 2.5: An overview of some key tools from the set, including both 1/4" and 1/2" drive ratchets, a combination wrench, and the bit driver, highlighting the ergonomic handles.

3. SETUP AND PREPARATION

Before beginning any work, ensure you have the correct tools for the task and that they are in good condition.

1. **Open the Case:** Unlatch the carrying case and open it carefully.
2. **Inspect Components:** Visually inspect all tools for any signs of damage, wear, or corrosion. Do not use damaged tools.
3. **Select the Right Tool:** Identify the appropriate socket size and drive (1/4" or 1/2") for your fastener. Choose the correct ratchet, extension, or bit driver as needed.
4. **Attach Components:** Securely attach the chosen socket to the ratchet or extension. Ensure it clicks firmly into place.

4. OPERATING INSTRUCTIONS

Follow these guidelines for safe and effective operation of your Bahco BHS108 Socket Set:

4.1 General Use of Ratchets and Sockets

- **Direction Control:** Most ratchets have a lever or switch to change the direction of rotation (tighten/loosen). Ensure it is set correctly for your task.
- **Engagement:** Place the socket squarely onto the fastener head. Ensure full engagement to prevent stripping the fastener or damaging the socket.
- **Applying Force:** Apply steady, controlled force to the ratchet handle. Avoid sudden jerking motions. For stubborn fasteners, use an extension bar for better leverage, but do not use a "cheater bar" (pipe over the handle) as this can overload and damage the ratchet.
- **Extensions and Universal Joints:** Use extension bars to reach fasteners in recessed areas. Universal joints allow for angled access but reduce torque transmission and should be used with caution.

4.2 Using the Bit Driver

- **Bit Selection:** Choose the correct screwdriver bit for the fastener type (Phillips, Torx, Hex, etc.).
- **Insertion:** Insert the bit firmly into the bit driver handle.
- **Application:** Apply downward pressure while turning to prevent cam-out and damage to the fastener head or bit.

4.3 Safety Precautions

- Always wear appropriate personal protective equipment (PPE), such as safety glasses, when using hand tools.
- Ensure your work area is well-lit and stable.
- Do not use tools for purposes other than their intended design.
- Never use damaged or worn tools.
- Keep hands and fingers clear of moving parts and pinch points.
- Store tools securely when not in use to prevent accidental falls or damage.

5. MAINTENANCE

Proper maintenance extends the life of your Bahco BHS108 Socket Set and ensures reliable performance.

- **Cleaning:** After each use, wipe down tools with a clean cloth to remove dirt, grease, and debris. For stubborn grime, use a mild degreaser and dry thoroughly.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts of ratchets to ensure smooth operation. Avoid over-lubrication.
- **Inspection:** Regularly inspect all tools for signs of wear, cracks, bends, or corrosion. Pay close attention to

socket drive ends, ratchet teeth, and bit tips. Replace any damaged components immediately.

- **Storage:** Store the socket set in its original impact and oil-resistant case in a dry environment to prevent rust and damage.

6. TROUBLESHOOTING

Most issues with hand tools are related to improper use or maintenance. Here are some common scenarios:

- **Socket Slipping:**
 - Ensure the socket is fully seated on the fastener.
 - Verify the socket size matches the fastener.
 - Inspect the socket for wear or damage to the internal hex/square.
- **Ratchet Not Engaging:**
 - Check the direction switch; ensure it is fully engaged in one direction.
 - The internal mechanism may be dirty or require lubrication. Refer to maintenance section.
 - If the ratchet is severely worn or damaged, it may need replacement.
- **Stuck Fastener:**
 - Apply penetrating oil to the fastener and allow it to soak.
 - Use steady, increasing force. Avoid sudden impacts that could damage the tool or fastener.
 - Consider using a breaker bar (if available and appropriate for the fastener) for initial loosening, then switch to the ratchet.

7. SPECIFICATIONS

Feature	Detail
Brand	Bahco
Model Number	BHS108
Material	Alloy Steel
Finish Type	Matt Finish
Number of Pieces	108
Drive System	1/4" or 1/2" Square Drive
Item Weight	18.33 pounds (approx. 8.32 kg)
Product Dimensions	16.93 x 14.57 x 4.13 inches (approx. 43 x 37 x 10.5 cm)
Head Style	Hex
Bit Compatibilities	Impact driver, nut driver (for bits)

8. WARRANTY AND SUPPORT

Bahco products are manufactured to high standards. For information regarding warranty coverage, product support, or to inquire about replacement parts, please refer to the official Bahco website or contact your authorized Bahco dealer. Keep your purchase receipt as proof of purchase.

You can visit the Bahco Store for more information:[Bahco Official Store](#)

