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› CASOMAN 84-Piece 3/8" Drive Master Hex & Torx Bit Impact Socket Set Instruction Manual

CASOMAN CS231

CASOMAN 84-Piece 3/8" Drive Master Hex & Torx Bit Impact Socket Set

Model: CS231

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use, maintenance, and care of your CASOMAN 84-Piece 3/8" Drive Master Hex & Torx Bit Impact Socket Set. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage.

2. PRODUCT OVERVIEW

The CASOMAN 84-Piece Impact Socket Set is designed for durability and performance in demanding applications. Each socket is manufactured from premium impact-grade Chrome Molybdenum (CR-MO) steel and features a corrosion-resistant black phosphate finish. The set includes a comprehensive range of Hex, Torx, and Stubby bit impact sockets in both SAE and Metric sizes, suitable for various fastening tasks.



Figure 1: The complete CASOMAN 84-Piece Impact Socket Set housed in its red storage case.

84 Pieces Impact Socket Set



E5, E6, E7, E8, E10, E11, E12, E14, E16



M4, M5, M6, M8, M10, M12, M14, M16



T20, T25, T27, T30, T40, T45, T47, T50, T55



TT10, TT15, TT20, TT25, TT27, TT30, TT40, TT45, TT47, TT50



1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"



6mm, 7mm, 8mm, 10mm, 12mm, 14mm, 17mm, 19mm



3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"



4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 12mm, 14mm



3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2"



4mm, 5mm, 6mm, 7mm, 8mm, 10mm, 12mm

Figure 2: An overview of the different types and sizes of impact sockets included in the set.

Quality Construction

Manufactured from premium impact grade CR-MO steel
corrosion-resistant black phosphate finish



Figure 3: Close-up illustrating the quality construction of the impact sockets, made from CR-MO steel with a black phosphate finish.

3. SETUP

Upon receiving your CASOMAN Impact Socket Set, follow these steps:

1. **Unpacking:** Carefully remove all components from the packaging.
2. **Inspection:** Inspect each socket for any signs of damage that may have occurred during shipping. If any damage is found, do not use the product and contact customer support.
3. **Familiarization:** Review the contents of the set and familiarize yourself with the different types and sizes of sockets. The sockets are organized within the durable red storage case for easy identification and access.

4. OPERATING INSTRUCTIONS

This socket set is designed for use with 3/8" drive impact wrenches or ratchets. Always ensure you are using the correct tool for the job and adhere to all safety guidelines.

4.1 Safety Precautions

- Always wear appropriate personal protective equipment, including eye protection, when using impact tools.
- Ensure the workpiece is securely fastened before applying torque.
- Never use damaged or worn sockets.
- Do not use standard sockets with impact tools; only use impact-grade sockets.

4.2 Using the Sockets

1. **Select the Correct Socket:** Identify the correct size and type (Hex, Torx, or Stubby) of socket that

precisely fits the fastener. Using an incorrect size can damage both the fastener and the socket.

2. **Attach to Drive Tool:** Firmly attach the selected 3/8" drive socket to your impact wrench or ratchet. Ensure it is fully seated on the drive anvil.
3. **Engage Fastener:** Place the socket squarely onto the fastener head. Ensure full engagement to prevent slipping and rounding of the fastener.
4. **Apply Torque:** Operate your impact tool or ratchet to loosen or tighten the fastener. Apply steady pressure and avoid excessive force that could damage the tool or fastener.



**Both Stamp Mark & Laser Mark,
Permanently**

Figure 4: Sockets feature both stamped and laser-etched markings for permanent and easy size identification.

CHAMFERED BIT ENDS



Figure 5: Chamfered bit ends allow for smooth and quick engagement with fasteners.

5. MAINTENANCE

Proper maintenance will extend the life and performance of your socket set.

- **Cleaning:** After each use, wipe down sockets with a clean cloth to remove dirt, grease, and debris.
- **Lubrication:** The sockets are manufactured with a protective coating. If exposed to moisture or harsh conditions, a light coat of rust-preventative oil can be applied to maintain their corrosion resistance.
- **Storage:** Always store the sockets in their original red storage case. This protects them from damage, keeps them organized, and prevents loss. Store the case in a dry environment.
- **Inspection:** Periodically inspect sockets for signs of wear, cracks, or deformation. Replace any damaged sockets immediately to ensure safety and prevent damage to fasteners.

6. TROUBLESHOOTING

If you encounter issues while using your socket set, consider the following:

- **Socket Not Fitting:** Ensure you have selected the correct SAE or Metric size and the correct bit type (Hex, Torx, Stubby) for the fastener. Fasteners can sometimes be slightly deformed, making engagement difficult.
- **Fastener Stripping:** This often occurs due to using an incorrect socket size, improper engagement, or excessive torque. Always ensure the socket is fully seated and aligned with the fastener before applying force.
- **Socket Damage:** Impact sockets are designed for heavy-duty use, but misuse (e.g., using with an oversized impact wrench, applying extreme side loads) can cause damage. Always use sockets within their intended capacity and with appropriate tools.

7. SPECIFICATIONS

Feature	Detail
Brand	CASOMAN
Model Number	CS231
Material	Chrome Molybdenum Steel
Finish Type	Black Phosphate Finish
Number of Pieces	84
Drive System	3/8" Drive Hex
Bit Compatibilities	Hex, Star (Torx), Stubby
Item Weight	11.16 pounds
Product Dimensions	15.35 x 12.05 x 3.39 inches
Standards Met	Meets or exceeds ANSI performance standards
Compatible Fastener Range	4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 12mm, 14mm, 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", T20, T25, T27, T30, T40, T45, T47, T50, T55, 3/4", 17mm, 19mm, TT10, TT15, TT20, TT25, TT27, TT30, TT40, TT45, TT47, TT50, M4, M5, M6, M8, M10, M12, M14, M16

8. WARRANTY INFORMATION

The CASOMAN 84-Piece 3/8" Drive Master Hex & Torx Bit Impact Socket Set comes with a **1-year quality warranty**. This warranty covers defects in materials and workmanship under normal use. For warranty claims or further details, please contact CASOMAN customer support.

9. CUSTOMER SUPPORT

For any questions, concerns, or assistance regarding your CASOMAN product, please refer to the contact information provided with your purchase or visit the official CASOMAN website. When contacting support, please have your product model number (CS231) and purchase details available.