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Grey Pneumatic 1012D

Grey Pneumatic 1012D 3/8 Drive Deep Fractional Impact Socket User Manual

Model: 1012D | Brand: Grey Pneumatic

1. Introduction and Overview

This manual provides essential information for the proper use, maintenance, and care of your Grey Pneumatic 1012D 3/8 Drive Deep Fractional Impact Socket. Designed for professional and demanding applications, this impact socket is engineered for durability and performance with impact tools.



Image: The Grey Pneumatic 1012D 3/8 Drive Deep Fractional Impact Socket, a dark grey, cylindrical socket with "3/8" marked near the base, designed for use with impact wrenches.

2. Features and Benefits

The Grey Pneumatic 1012D impact socket is built with advanced design and materials to ensure superior performance:

- **High-Quality Material:** Manufactured from high-quality chrome-molybdenum steel for exceptional strength and durability.
- **Impact Tool Compatibility:** Specifically engineered for use with impact tools, adhering to the latest industrial specifications.
- **Enhanced Strength Design:** Designed to transfer pressure from the thinner part of the socket wall to the thicker section, significantly increasing overall strength.
- **High Torque Drive:** Features a high torque drive system that minimizes wear on fastener corners and the socket itself.

- **Improved Torque Transfer:** Facilitates increased torque transfer to the fastener, enhancing efficiency.
- **Access to Tight Areas:** The deep length design allows for easier access to fasteners in confined or recessed spaces.
- **Rigorous Testing:** Each socket undergoes thorough testing to the highest specifications, ensuring balanced strength and durability.

3. Setup and Installation

Proper setup ensures safe and effective operation of your impact socket.

1. **Select Correct Size:** Ensure the 3/8 inch drive socket matches the drive size of your impact wrench or ratchet.
2. **Choose Appropriate Fastener Size:** Verify that the fractional size of the socket (e.g., 3/8 inch) corresponds exactly to the size of the fastener you intend to work with. Using an incorrect size can damage both the fastener and the socket.
3. **Attach to Tool:** Firmly push the square drive end of the socket onto the drive anvil of your impact tool until it clicks into place or is securely seated. For tools with detent pins, ensure the pin engages the hole in the socket.
4. **Inspect Connection:** Before use, gently pull on the socket to confirm it is securely attached to the impact tool and will not detach during operation.

4. Operating Instructions

Follow these guidelines for safe and efficient operation:

- **Safety First:** Always wear appropriate personal protective equipment (PPE), including safety glasses, when operating impact tools.
- **Secure Fastener:** Place the socket squarely onto the head of the fastener. Ensure full engagement to prevent stripping or rounding of the fastener.
- **Apply Force Evenly:** When using the impact tool, apply steady and even pressure. Avoid excessive force or angled application, which can lead to damage.
- **Listen and Feel:** Pay attention to the sound and feel of the impact tool. Stop immediately if you hear unusual noises or feel excessive vibration, which may indicate an issue.
- **Removal:** After tightening or loosening, carefully remove the socket from the fastener and then from the impact tool.

5. Maintenance

Proper maintenance extends the life and performance of your socket.

- **Cleaning:** After each use, wipe the socket clean of any dirt, grease, or debris. A clean cloth is usually sufficient. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Inspection:** Regularly inspect the socket for signs of wear, cracks, chips, or deformation, especially around the drive end and the fastener engagement end. Discontinue use if any damage is observed.
- **Lubrication:** While not typically required for the socket itself, ensure the drive anvil of your impact tool is clean and lightly lubricated as per its manufacturer's instructions.
- **Storage:** Store the socket in a dry environment, preferably in a tool tray or box, to prevent rust and protect it from impacts that could cause damage.

6. Troubleshooting

Common issues and their solutions:

Problem	Possible Cause	Solution
Socket slips on fastener	Incorrect socket size; Worn fastener head; Worn socket engagement points	Ensure correct socket size; Replace worn fastener; Inspect and replace worn socket
Socket difficult to attach/detach from tool	Dirt/debris in drive square; Damaged drive square on socket or tool; Rust	Clean drive square; Inspect for damage and replace if necessary; Apply light lubricant if rust is present
Socket cracks or breaks	Excessive force; Using non-impact socket with impact tool; Material defect	Ensure proper usage; Always use impact-rated sockets with impact tools; Contact Grey Pneumatic for warranty claim

7. Specifications

Detailed specifications for the Grey Pneumatic 1012D Impact Socket:

- **Model Number:** 1012D
- **Drive System:** 3/8 Inch Square Drive
- **Socket Type:** Deep Fractional Impact Socket
- **Size:** 3/8 Inch
- **Material:** Chrome Molybdenum Steel
- **Item Weight:** Approximately 1 pound (0.45 kg)
- **Product Dimensions:** Approximately 2.5 x 0.7 x 0.7 inches (6.35 x 1.78 x 1.78 cm)
- **Compatibility:** Designed for use with 3/8 inch drive impact wrenches and ratchets.

8. Warranty and Support

Grey Pneumatic stands behind the quality of its products.

- **Lifetime Warranty:** This Grey Pneumatic impact socket is backed by a lifetime warranty, covering defects in material and workmanship. For warranty claims or detailed terms, please refer to the official Grey Pneumatic website or contact their customer support.
- **Customer Support:** For technical assistance, product inquiries, or warranty service, please visit the official Grey Pneumatic website or contact their authorized distributors.

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