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› Williams HM-1229 3/4" 12-Point Shallow Screw Drive, 29mm - Instruction Manual

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Model: HM-1229 | Brand: Williams

PRODUCT OVERVIEW

The Williams HM-1229 is a 3/4-inch drive, 12-point shallow screw drive socket, precisely sized at 29mm. This tool is engineered for efficient and secure engagement with fasteners.

Key features include:

- **Super Torque Lobular Openings:** Designed to provide greater turning power while minimizing the risk of deforming the fastener head.
- **Quick Engagement:** Facilitates rapid and secure connection with both 6-point and 12-point fasteners.
- **Durable Construction:** Manufactured in the United States, ensuring quality and reliability.



Image: The Williams HM-1229 29mm 12-point shallow socket, showcasing its polished chrome finish and clear size markings.

SETUP

The Williams HM-1229 socket is designed for use with a 3/4-inch square drive tool. To set up the socket for use:

1. **Select the Correct Drive Tool:** Ensure you have a ratchet, breaker bar, or torque wrench with a 3/4-inch square drive.
2. **Attach the Socket:** Align the square opening on the back of the HM-1229 socket with the square drive of your tool. Push the socket firmly onto the drive until it clicks into place, indicating a secure connection.
3. **Verify Engagement:** Gently pull on the socket to confirm it is securely attached to the drive tool before applying force.



Image: A top-down view of the Williams HM-1229 socket, clearly showing the 3/4-inch square drive opening designed for secure attachment to drive tools.

OPERATING INSTRUCTIONS

To effectively use the Williams HM-1229 socket for tightening or loosening fasteners:

1. **Identify Fastener Size:** Confirm that the fastener you intend to work with is 29mm. Using the correct size prevents damage to both the fastener and the socket.
2. **Engage the Fastener:** Place the 12-point opening of the socket squarely over the head of the 6-point or 12-point fastener. Ensure the socket is fully seated on the fastener to prevent slipping.
3. **Apply Force:** With the socket securely engaged, apply steady and controlled force to your drive tool (ratchet, breaker bar, or torque wrench) in the desired direction (clockwise for tightening, counter-clockwise for loosening).
4. **Avoid Excessive Force:** Do not use impact tools with this shallow screw drive socket unless specifically rated for impact use, as this can cause damage. Apply force smoothly to prevent rounding the fastener or damaging the socket.

MAINTENANCE

Proper maintenance will extend the life and performance of your Williams HM-1229 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.
- **Storage:** Store the socket in a dry environment to prevent rust. Toolboxes or socket rails are ideal for organized storage.
- **Inspection:** Periodically inspect the socket for signs of wear, cracks, or deformation, especially around the drive opening and the 12-point engagement area. Discontinue use if any damage is observed.
- **Lubrication:** While not typically required for sockets, a light coat of rust-preventative oil can be applied if storing in a humid environment.

TROUBLESHOOTING

While the Williams HM-1229 socket is a robust tool, issues can arise from improper use. Consider the following if you encounter difficulties:

- **Socket Slips on Fastener:**
 - *Cause:* Incorrect socket size, worn fastener head, or socket not fully seated.
 - *Solution:* Verify the fastener is indeed 29mm. Ensure the socket is pushed completely onto the fastener. Inspect the fastener head for damage.
- **Socket Does Not Fit Drive Tool:**
 - *Cause:* Incorrect drive tool size.
 - *Solution:* Confirm your drive tool has a 3/4-inch square drive.
- **Socket Appears Damaged:**
 - *Cause:* Excessive force, improper use (e.g., using with impact tools if not rated), or manufacturing defect.
 - *Solution:* Discontinue use immediately. Damaged tools can be dangerous. Refer to the warranty section for potential replacement.

SPECIFICATIONS

Attribute	Detail
Model Number	HM-1229
Brand	Williams
Drive Size	3/4 inch
Socket Type	12-Point Shallow Screw Drive
Size	29mm
Item Weight	8 ounces
Product Dimensions	Approximately 2 x 2 x 2 inches
Country of Origin	USA
Measurement System	Inch/Metric
UPC	662459366801



Image: The Williams HM-1229 socket shown next to a hand, illustrating its compact dimensions of approximately 2.2 inches (5 cm) in height.

WARRANTY AND SUPPORT

Specific warranty details for the Williams HM-1229 socket are typically provided by the manufacturer at the time of purchase or on their official website. For the most accurate and up-to-date warranty information, please refer to the official Williams website or contact their customer support directly.

For product support, technical assistance, or inquiries regarding your Williams tool, please visit the official Williams website or contact their customer service department. Contact information can usually be found in the "Contact Us" or "Support" section of their website.

Note: Always refer to the manufacturer's official documentation for complete and current warranty terms and support procedures.