

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [Williams](#) /

› [Williams JHW2M-618 3/8-Inch Drive Shallow Impact Socket, 18 Millimeter Instruction Manual](#)

## Williams JHW2M-618

# Williams JHW2M-618 3/8-Inch Drive Shallow Impact Socket Instruction Manual

## INTRODUCTION

---

This manual provides essential information for the proper use and maintenance of your Williams JHW2M-618 3/8-Inch Drive Shallow Impact Socket. Please read these instructions carefully before use to ensure safe and effective operation.

## KEY FEATURES

---

- **SUPERTORQUE Lobular Openings:** Designed for greater turning power without deforming the fastener.
- **Maximum Engagement:** Engineered for optimal engagement on 6-point fasteners.
- **Impact Use:** Suitable for use with pneumatic and electric impact wrenches.
- **Durability:** Specially heat-treated for impact use to provide long life, safety, and durability.
- **Quality Manufacturing:** Made in the USA.



Image: Williams 3/8-Inch Drive Shallow Impact Socket, 18 MM size. This image shows the overall design and finish of the impact socket.

## SETUP

---

The Williams JHW2M-618 impact socket is designed for immediate use with compatible drive tools. No assembly is required.

1. **Select Correct Size:** Ensure the 18 MM socket size matches the fastener you intend to work with.
2. **Choose Compatible Drive Tool:** Use with a 3/8-inch drive pneumatic or electric impact wrench, or a standard ratchet/breaker bar.
3. **Inspect Socket:** Before each use, inspect the socket for any signs of wear, cracks, or damage. Do not use damaged tools.

## OPERATING INSTRUCTIONS

---

Follow these steps for safe and effective operation:

1. **Attach Socket:** Firmly attach the 18 MM impact socket to the 3/8-inch drive of your impact wrench or ratchet. Ensure it is fully seated and secure.

2. **Position on Fastener:** Place the socket squarely onto the head of the fastener (nut or bolt). Ensure full engagement to prevent rounding the fastener.
3. **Apply Torque:**
  - For impact wrenches: Activate the tool, applying steady pressure until the fastener is tightened or loosened as required.
  - For manual tools: Apply steady, controlled force to the handle of the ratchet or breaker bar.
4. **Remove Socket:** Once the task is complete, remove the socket from the fastener and then from the drive tool.

**Safety Precaution:** Always wear appropriate personal protective equipment, including safety glasses, when using impact tools.

## MAINTENANCE

---

Proper maintenance ensures the longevity and performance of your Williams impact socket.

- **Cleaning:** After each use, wipe the socket clean of any dirt, grease, or debris. A mild solvent can be used if necessary, followed by thorough drying.
- **Lubrication:** Lightly oil the socket periodically to prevent rust, especially if stored in humid conditions.
- **Storage:** Store sockets in a dry environment, preferably in a tool tray or box, to protect them from damage and corrosion.
- **Inspection:** Regularly inspect for wear, cracks, or deformation. Replace any damaged sockets immediately.

## TROUBLESHOOTING

---

Problem	Possible Cause	Solution
Socket slips on fastener	Incorrect size; fastener head worn; socket worn	Ensure correct socket size; replace worn fastener; replace worn socket.
Socket stuck on drive tool	Dirt/debris in drive square; rust; tight fit	Clean drive square; apply penetrating oil; gently tap to loosen.
Socket shows signs of cracking/damage	Over-torquing; material fatigue; improper use	Discontinue use immediately and replace the socket.

## SPECIFICATIONS

---

- **Brand:** Williams
- **Model Number:** JHW2M-618
- **Drive Size:** 3/8-Inch
- **Socket Type:** Shallow Impact Socket
- **Point Configuration:** 6 Point
- **Size:** 18 Millimeter (18 MM)
- **Material:** Specially heat-treated alloy steel
- **Manufacturing Origin:** USA

## VIDEO RESOURCES

---

## Williams Sockets and Impact Sockets Overview

Your browser does not support the video tag.

This video provides an overview of Williams sockets and impact sockets, highlighting features such as SUPERTORQUE lobular openings, chamfered ends, grip rings, and heavy-duty construction suitable for pneumatic and electric impact wrenches. It demonstrates the design principles for maximum engagement and durability.

## WARRANTY AND SUPPORT

---

Williams products are manufactured to high standards and are backed by a commitment to quality. For specific warranty details, product support, or to inquire about service, please refer to the official Williams website or contact their customer service department. Keep your purchase receipt for warranty claims.

**Manufacturer:** JH Williams Tool Group

**Brand Store:** [Visit the Williams Store on Amazon](#)

