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› [Williams 17-6138 Deep 6 Point Impact Socket User Manual, 4-5/16-Inch](#)

## Williams 17-6138

# Williams 17-6138 Deep 6 Point Impact Socket User Manual

Model: 17-6138 | Size: 4-5/16 Inch

## 1. PRODUCT OVERVIEW

The Williams 17-6138 Deep 6 Point Impact Socket is engineered for demanding applications, providing reliable performance with pneumatic and electric impact wrenches. Its design focuses on efficient power transfer and fastener protection.



Figure 1: Williams 17-6138 Deep 6 Point Impact Socket, 4-5/16 Inch. This image shows the robust construction and deep profile of the impact socket.

#### Key Features:

- **SUPERTORQUE Lobular Openings:** Designed to provide greater turning power while minimizing deformation of the fastener.
- **Maximum Engagement:** Ensures optimal contact on 6-point fasteners for secure operation.
- **Impact Wrench Compatibility:** Suitable for use with both pneumatic and electric impact wrenches.
- **Heat Treated Durability:** Specially heat-treated for impact use, ensuring long life, safety, and

durability in demanding environments.

## 2. SETUP AND PREPARATION

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Proper setup is crucial for safe and effective use of the impact socket.

1. **Select Correct Size:** Ensure the 4-5/16 inch socket size matches the fastener you intend to work with. Using an incorrect size can damage both the fastener and the socket.
2. **Inspect Socket:** Before each use, visually inspect the socket for any signs of wear, cracks, or damage. Do not use a damaged socket.
3. **Inspect Impact Wrench:** Verify that your pneumatic or electric impact wrench is in good working condition and has the appropriate drive size for the socket.
4. **Secure Attachment:** Firmly attach the Williams 17-6138 impact socket to the drive anvil of your impact wrench. Ensure it is fully seated and locked into place, if applicable, to prevent accidental detachment during operation.
5. **Safety Gear:** Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection, when operating impact tools.

## 3. OPERATING INSTRUCTIONS

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Follow these guidelines for safe and effective operation of the impact socket.

1. **Positioning:** Place the socket squarely onto the fastener head. Ensure full engagement to prevent stripping the fastener or damaging the socket.
2. **Application:** Activate the impact wrench. Apply steady, controlled pressure. Avoid excessive force or prolonged impacting once the fastener is tightened or loosened, as this can lead to over-tightening or damage.
3. **Direction:** Confirm the impact wrench is set to the correct direction (tighten or loosen) before operation.
4. **Torque Specifications:** For critical applications, use a torque wrench to achieve final torque specifications after initial tightening with the impact wrench. Impact wrenches are generally not precision torque tools.
5. **Removal:** Once the task is complete, deactivate the impact wrench and carefully remove the socket from the fastener and the tool.

## 4. MAINTENANCE AND STORAGE

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Proper maintenance extends the life of your Williams impact socket.

- **Cleaning:** After each use, wipe the socket clean of any dirt, grease, or debris. A clean cloth is usually sufficient.
- **Inspection:** Regularly inspect the socket for signs of wear, such as rounded corners, cracks, or deformation. Replace the socket if any damage is observed.
- **Lubrication:** While impact sockets do not require lubrication themselves, ensure the drive anvil of your impact wrench is properly maintained and lubricated according to its manufacturer's instructions.
- **Storage:** Store the socket in a dry, clean environment, away from corrosive materials and extreme temperatures. A tool chest or socket rail is recommended to prevent loss and damage.



Figure 2: Example of Williams Impact Sockets. This image illustrates the general appearance and design of Williams impact sockets, emphasizing their robust construction.

### 5. TROUBLESHOOTING

This section addresses common issues encountered during the use of impact sockets.

Problem	Possible Cause	Solution
Socket slips on fastener.	Incorrect socket size; Worn fastener head; Worn socket opening.	Verify correct socket size. Replace worn fastener. Replace worn socket.
Socket gets stuck on impact wrench.	Debris in drive anvil; Damaged drive anvil or socket drive end.	Clean drive anvil. Inspect and replace damaged components.
Fastener not loosening/tightening.	Insufficient torque from impact wrench; Fastener seized.	Use a more powerful impact wrench or apply penetrating oil to seized fasteners.



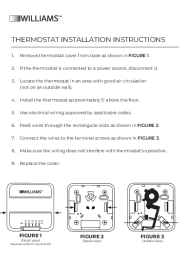

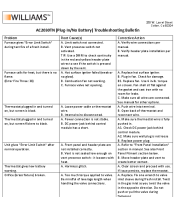
### 6. SPECIFICATIONS

Attribute	Detail
Brand	Williams
Model Number	17-6138
Socket Size	4 5/16 inches
Point Count	6 Point
Socket Type	Deep Impact Socket
Finish	Black Industrial Finish
Item Weight	19.85 pounds
Product Dimensions	6.2 x 5.7 x 5.3 inches
UPC	662459258489

## 7. WARRANTY AND SUPPORT

For information regarding warranty coverage, product support, or to inquire about replacement parts, please refer to the official Williams product documentation or visit the [Williams Industrial Brand Store on Amazon](#) or the manufacturer's official website. Keep your purchase receipt for warranty claims.

### Related Documents - 17-6138

	<p><a href="#">Williams Solana Electric Counterflow Furnace 3144030W Owner's Manual &amp; Installation Guide</a></p> <p>Comprehensive owner's manual and installation instructions for the Williams Solana Electric Counterflow Furnace (Model 3144030W), detailing safety precautions, installation procedures, operation, maintenance, and warranty information.</p>
	<p><a href="#">Williams Counterflow Top Vent Gas Wall Furnace Installation &amp; Operating Manual</a></p> <p>Comprehensive installation and operating manual for Williams Counterflow Top Vent Gas Wall Furnaces, covering safety, installation, operation, and maintenance for models 3508331, 3508332, 3508731, 3508732, 5008731, 5008732, 5508331, 5508332, 6508731, and 6508731.</p>
	<p><a href="#">WILLIAMS Thermostat Installation Instructions</a></p> <p>Step-by-step guide for installing a WILLIAMS thermostat, including safety warnings and detailed descriptions of thermostat components.</p>
	<p><a href="#">Williams Overture III Digital Piano Owner's Manual</a></p> <p>This owner's manual provides detailed instructions for the Williams Overture III Digital Piano with Bluetooth Audio, covering setup, operation, features, safety, and specifications.</p>
	<p><a href="#">WILLIAMS AC2030TN Troubleshooting and Installation Guide</a></p> <p>Comprehensive troubleshooting bulletin and installation guide for the WILLIAMS AC2030TN Plug-In/No Battery furnace, covering common problems, root causes, corrective actions, and proper installation pointers.</p>

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Step-by-step installation instructions for the Williams P322016 Millivolt Wall Thermostat, including wiring diagrams and safety warnings.