

## ARMSTRONG 19-566

# Armstrong 19-566 3/8-Inch Drive 6 Point Universal Impact Socket Instruction Manual

## 1. PRODUCT OVERVIEW

The Armstrong 19-566 is a 3/8-inch drive, 6-point universal impact socket designed for demanding applications. Manufactured in the USA, this socket features a unique pinless "4 lug" design, enhancing its strength, durability, and safety during use. It provides true 360-degree rotation of the socket end, allowing for an extended range of motion and smooth operation in various working conditions.



Image 1: The Armstrong 19-566 3/8-Inch Drive 6 Point Universal Impact Socket. This image displays the black oxide finished socket, highlighting its universal joint design for flexible access.

This universal impact socket is engineered for professional use, offering reliable performance and a long service life. Its black oxide finish provides corrosion resistance and a professional appearance.

## 2. SETUP AND PREPARATION

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Before using the Armstrong 19-566 universal impact socket, ensure you have the appropriate drive tool and fasteners.

### 2.1 Required Tools and Equipment

- 3/8-inch drive impact wrench or ratchet.
- Appropriate fasteners (1/2-inch SAE).
- Safety glasses.
- Work gloves.

### 2.2 Safety Precautions

- Always wear ANSI-approved safety glasses to protect against flying debris.

- Wear appropriate work gloves to protect hands.
- Ensure the impact socket is securely attached to the drive tool before operation.
- Do not use damaged or worn sockets. Inspect the socket for cracks or deformation before each use.
- Use the correct size socket for the fastener to prevent rounding or damage.

### 3. OPERATING INSTRUCTIONS

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Follow these steps for effective and safe operation of your universal impact socket.

1. **Select the Correct Socket:** Verify that the 19-566 socket (1/2-inch fastener size) matches the size of the fastener you intend to work with.
2. **Attach to Drive Tool:** Securely attach the 3/8-inch drive end of the universal socket to your 3/8-inch drive impact wrench or ratchet. Ensure it clicks into place or is firmly seated.
3. **Position the Socket:** Place the 6-point end of the socket squarely onto the fastener. The universal joint allows for angular access in tight or obstructed spaces.
4. **Apply Torque:** Operate your impact wrench or ratchet to loosen or tighten the fastener. Maintain a firm grip on the drive tool.
5. **Remove Socket:** Once the task is complete, remove the socket from the fastener and then from the drive tool.

The true 360-degree rotation feature of this universal socket is particularly useful for reaching fasteners at awkward angles, reducing the need for multiple extensions or adapters.

### 4. MAINTENANCE AND CARE

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Proper maintenance ensures the longevity and performance of your Armstrong universal 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:** Periodically apply a small amount of light machine oil to the universal joint mechanism to ensure smooth 360-degree rotation and prevent corrosion.
- **Storage:** Store the socket in a dry environment, preferably in a tool chest or socket rail, to prevent rust and damage.
- **Inspection:** Regularly inspect the socket for any signs of wear, cracks, or damage, especially around the drive end and the universal joint. Discontinue use if damage is observed.

### 5. TROUBLESHOOTING

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This section addresses common issues that may arise during the use of your universal impact socket.

- **Socket Not Fitting Fastener:**  
*Solution:* Ensure you are using the correct 1/2-inch SAE socket for the fastener. Verify the fastener is not stripped or damaged.
- **Socket Sticking on Drive Tool:**  
*Solution:* Clean the drive end of the socket and the drive tool. Apply a small amount of lubricant to the drive square if necessary. Ensure the drive tool's retention mechanism is functioning correctly.
- **Universal Joint Stiffness:**  
*Solution:* The universal joint may require lubrication. Apply a few drops of light machine oil to the joint

and work it back and forth to distribute the lubricant.

- **Socket Slipping on Fastener:**

*Solution:* This indicates either the wrong size socket is being used, the fastener is severely worn, or the socket itself is worn. Replace the socket or fastener as needed. Always use the correct size.

## 6. SPECIFICATIONS




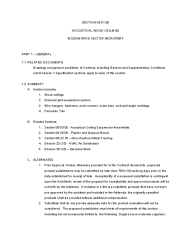


Detailed technical specifications for the Armstrong 19-566 Universal Impact Socket.

Specification	Value
Model Number	19-566
Drive Size	3/8-Inch
Fastener Size	1/2-Inch
Drive Type	6 Point
Finish	Black Oxide
Overall Length (Dimension C)	2.188 Inches
Drive End Dimension (Dimension A)	0.969 Inches
Wrench End Dimension (Dimension B)	0.750 Inches
Bolt Clearance (Dimension D)	0.500 Inches
Wrench Depth (Dimension E)	0.500 Inches
ASME Specification	B107.2-2002
US Federal Specification	GGG-W-660a
Item Weight	1 Pound
Package Dimensions	2.09 x 0.86 x 0.86 Inches
UPC	781412195668

## 7. WARRANTY AND SUPPORT

Armstrong Industrial Hand Tools are known for their quality and durability. For specific warranty information or support inquiries regarding your 19-566 universal impact socket, please refer to the official Armstrong product documentation or contact Armstrong customer service directly. General warranty terms typically cover manufacturing defects under normal use.

For further assistance, visit the official Armstrong website or contact their authorized distributors.

	<p><a href="#">Armstrong IVS 102 Instruction Manual 1.1-90 kW</a></p> <p>This comprehensive instruction manual provides detailed guidance for the Armstrong IVS 102 frequency converter series (1.1-90 kW). It covers safe installation, commissioning, operation, safety protocols, electrical and mechanical specifications, and troubleshooting for reliable motor control.</p>
	<p><a href="#">Armstrong Drop Ceiling Installation Overview: A Step-by-Step Guide</a></p> <p>Learn how to install an Armstrong drop ceiling with this concise overview. Covers wall molding, main beams, cross tees, and ceiling panel installation for residential use. Features QuickHang™ hardware.</p>
	<p><a href="#">WoodWorks® Concealed Trim Installation Guide   Armstrong</a></p> <p>Comprehensive installation guide for Armstrong's WoodWorks® Concealed Trim system. Learn how to properly install this architectural ceiling trim for WoodWorks® Concealed and Linear Veneered Panels.</p>
	<p><a href="#">WOODWORKS Vector MicroPerf Acoustical Wood Ceilings Specification</a></p> <p>Comprehensive specifications for Armstrong's WOODWORKS Vector MicroPerf acoustical wood ceiling panels and suspension systems, detailing product attributes, installation, quality assurance, and warranty for architectural applications.</p>
	<p><a href="#">Armstrong Drywall Grid Systems: Hanging &amp; Framing Flat Ceilings</a></p> <p>A comprehensive guide to Armstrong's Drywall Grid Systems for hanging and framing flat ceilings, detailing components, performance, code compliance, and installation.</p>
	<p><a href="#">Stream Voice Remote Control Quick Start Guide</a></p> <p>A guide to using the Stream Voice Remote Control for Armstrong, detailing button functions, voice commands, and setup.</p>