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Brand: Capri Tools | Model: 3-0613

1. PRODUCT OVERVIEW

The Capri Tools 3-0613 Long 5/32-Inch Hex Bit Socket is engineered for the most demanding professional applications. It features a 1/4-inch drive and a 3-1/16 inch long hex bit, designed for reaching fasteners in deep or confined spaces. The bit is forged from premium S2 steel, known for its exceptional strength and durability, allowing it to withstand high torque without twisting. The socket body is constructed from premium Chrome Vanadium steel and finished with SmartKrome protective plating for superior corrosion resistance. This tool meets and exceeds ASME B107.110 standards, ensuring reliable performance and a smooth fit onto fasteners thanks to its chamfered end.



Image 1.1: The Capri Tools 3-0613 Long 5/32-Inch Hex Bit Socket, showcasing its extended length and durable construction.

2. KEY FEATURES

- **Premium S2 Steel Bit:** Exceptionally strong and durable, designed to withstand high torque and prevent twisting, protecting both the bit and the fastener.
- **Chrome Vanadium Steel Socket:** Provides robust construction and long-lasting performance.
- **SmartKrome Protective Plating:** Ensures superior durability and corrosion resistance, extending the tool's lifespan.
- **Chamfered End:** Facilitates a smooth and secure fit onto fasteners, reducing slippage and wear.
- **Long Reach Design:** The 3-1/16 inch long bit allows access to deeply recessed hex fasteners.
- **ASME B107.110 Compliant:** Meets industry standards for quality and performance.



Image 2.1: A collection of Capri Tools hex bit sockets, highlighting the consistent quality and design across the range.

3. SETUP AND INSTALLATION

The Capri Tools 3-0613 Hex Bit Socket is designed for straightforward use with any standard 1/4-inch drive ratchet, breaker bar, or torque wrench.

3.1 Attaching the Bit Socket

1. **Select the Correct Drive Tool:** Ensure your drive tool (ratchet, torque wrench, etc.) has a 1/4-inch square drive.
2. **Align and Attach:** Align the square opening of the bit 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 Connection:** Gently pull on the socket to ensure it is securely seated and will not detach during use.

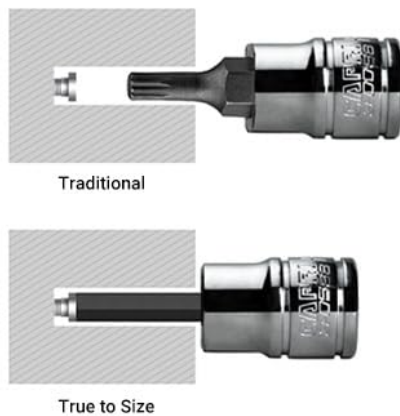
3.2 Proper Fastener Engagement

The chamfered end of the hex bit is designed for easy and accurate engagement with hex fasteners.

1. **Clean Fastener:** Ensure the hex recess of the fastener is clean and free of debris to allow for full engagement of the bit.
2. **Insert Bit:** Carefully insert the hex bit into the fastener's recess. Apply slight pressure and rotate the socket until the bit fully seats into the fastener.
3. **Check Engagement:** Confirm that the bit is fully engaged with the fastener to prevent stripping or damage during operation.

True-to-Size Fitting

Every hex bit is made true-to-size for the entire length, letting you **use the full length of the bit.**



Chamfered Ends

Chamfered bit ensures a smooth fit and helps to provide **fast and easy insertion** into fasteners.



Sizes Available

1/4" Dr. Long Hex Bit Sockets

INCH 1/8", 5/32", 3/16"

3/8" Dr. Long Hex Bit Sockets

INCH 7/32", 1/4", 5/16", 3/8"

Image 3.1: Illustration of the true-to-size fitting and chamfered ends, ensuring optimal engagement with fasteners.

4. OPERATING INSTRUCTIONS

Using the Capri Tools 3-0613 Hex Bit Socket effectively requires proper technique to ensure safety and prevent damage to the tool or fastener.

4.1 General Usage

1. **Apply Steady Pressure:** When turning a fastener, apply steady, firm pressure directly in line with the fastener to prevent the bit from camming out or stripping the fastener head.
2. **Use Appropriate Torque:** If using a torque wrench, set it to the manufacturer's specified torque for the fastener. Avoid over-tightening, which can damage the fastener or the tool.
3. **Direction of Rotation:** Ensure you are rotating the tool in the correct direction for tightening (clockwise) or loosening (counter-clockwise) the fastener.

4.2 Safety Precautions

- Always wear appropriate personal protective equipment (PPE), such as safety glasses, when using hand tools.
- Do not use the bit socket if it shows signs of damage, such as cracks, bends, or excessive wear.
- Never use a pipe or other extension on a ratchet handle to increase leverage, as this can overload the socket and cause breakage.
- Ensure the workpiece is stable and secured before applying torque.

5. MAINTENANCE

Proper maintenance will extend the life and performance of your Capri Tools Hex Bit Socket.

- **Cleaning:** After each use, wipe the bit socket clean with a dry cloth to remove dirt, grease, and debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of rust-preventative oil to the metal surfaces, especially if storing in a humid environment.
- **Storage:** Store the bit socket in a dry, clean environment, preferably in a tool tray or box that protects it from impact and moisture. Avoid storing with corrosive materials.
- **Inspection:** Regularly inspect the bit for signs of wear, such as rounding of the hex corners, or damage to the socket body. Replace the tool if significant wear or damage is observed.

6. TROUBLESHOOTING

While the Capri Tools Hex Bit Socket is designed for durability, occasional issues may arise. Here are some common problems and their solutions:

- **Bit Slipping or Stripping Fastener:**
 - Ensure the bit is fully seated in the fastener's hex recess.
 - Check if the fastener's hex recess is damaged or rounded. If so, the fastener may need to be replaced or removed with a specialized tool.
 - Inspect the bit for wear or rounding of its hex corners. A worn bit will not grip properly and should be replaced.
 - Apply firm, steady pressure in line with the fastener while turning.
- **Socket Not Attaching Securely to Drive Tool:**
 - Ensure the drive tool is clean and free of debris that might obstruct the connection.
 - Check the square drive of both the socket and the tool for damage or wear.
 - Verify that the drive tool is indeed a 1/4-inch drive.
- **Corrosion or Rust Appears:**
 - Clean the affected area with a rust remover and then apply a rust-preventative oil.
 - Ensure the tool is stored in a dry environment after use. Avoid leaving it exposed to moisture or corrosive chemicals.

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the Capri Tools 3-0613 Long 5/32-Inch Hex Bit Socket:

Advanced Series Long Hex Bit Sockets

Individual Long Hex Bit Sockets **1/4" INCH**

ADVANCED SERIES

Made for Professionals

Crafted from our custom **Chrome Vanadium steel**, they undergo proprietary heat treatment and are precisely machined to perform in the toughest situations.

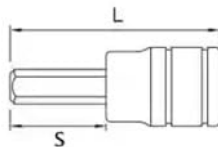
Premium S2 steel bits makes these exceptionally strong, durable, and made to withstand high torque.



Image 7.1: Overview of the Advanced Series Long Hex Bit Sockets, highlighting material composition (S2 Steel Bit, CrV Steel Socket).

Specification	Detail
Brand	Capri Tools
Model Number	3-0613
Size	5/32-inch
Drive Size	1/4-inch
Bit Length	3-1/16 inches (approx. 77.78 mm)
Overall Item Length	0.16 Inches (This seems to be the bit diameter, not overall length. The 3-1/16 inch is the relevant length for the bit itself.)
Bit Material	Premium S2 Steel
Socket Material	Premium Chrome Vanadium Steel
Finish Type	Chrome (SmartKrome protective plating)
Drive System	Hex
Item Weight	0.704 ounces
Standards Met	ASME B107.110

Technical Data



Part Number	Size (in.)	Drive	D1 (in.)	D2 (in.)	L (in.)	S (in.)	wt (lbs.)
CP30612	1/8	1/4	0.13	0.47	3.94	3.08	0.03
CP30613	5/32	1/4	0.16	0.47	3.94	3.08	0.04
CP30614	3/16	1/4	0.19	0.47	3.94	3.08	0.05
CP30615	7/32	3/8	0.22	0.70	3.94	2.76	0.11
CP30616	1/4	3/8	0.25	0.70	3.94	2.76	0.12
CP30617	5/16	3/8	0.31	0.70	3.94	2.76	0.15
CP30618	3/8	3/8	0.38	0.78	3.94	2.76	0.21

Image 7.2: Technical data table showing various sizes and dimensions of Capri Tools hex bit sockets.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Capri Tools offers a **Lifetime Warranty** on this product. This warranty covers defects in material and workmanship under normal use. For specific terms and conditions, please refer to the official Capri Tools warranty policy or contact their customer service.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact Capri Tools customer support. You can find more information and contact details by visiting the official Capri Tools store:

Visit the Capri Tools Store on Amazon