

## Titan 16142

# Titan 16142 10-Piece Low Profile Impact Star Bit Socket Set Instruction Manual

Model: 16142

## INTRODUCTION

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This manual provides essential information for the safe and effective use of your Titan 16142 10-Piece Low Profile Impact Star Bit Socket Set. Please read these instructions carefully before using the product and retain them for future reference.

## PRODUCT OVERVIEW

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The Titan 16142 is a comprehensive 10-piece set of low-profile impact star bit sockets designed for use in confined and hard-to-reach areas. Constructed from durable Chrome Molybdenum Steel, these bits are impact-grade, suitable for high-torque applications.

### Key Features:

- **10-Piece Set:** Includes (6) 1/4-inch drive bits and (4) 3/8-inch drive bits.
- **Low Profile Design:** Engineered for accessing fasteners in tight spaces.
- **Impact Grade:** Built to withstand the demands of impact tools.
- **Durable Material:** Made from Chrome Molybdenum Steel for strength and longevity.
- **Organized Storage:** Comes with a steel storage rail to keep bits secure and accessible.

### Components Included:

- 6 x 1/4-inch drive star bits: T10, T15, T20, T25, T27, T30
- 4 x 3/8-inch drive star bits: T40, T45, T47, T50
- 1 x Steel storage rail



Image: The complete Titan 16142 10-piece low profile impact star bit socket set, showcasing all bits and the storage rail.

## Low Profile Impact Bit Socket Set

10-Piece Star Bit Sockets



**1/4-Inch Drive sizes:**  
T10, T15, T20, T25,  
T27, and T30



**3/8-Inch Drive sizes:**  
T40, T45, T47,  
and T50

Image: A close-up view of the Titan 16142 star bit sockets neatly arranged on the included steel storage rail, highlighting the different sizes.

# Low Profile Impact Bit Socket Set

## 10-Piece Star Bit Sockets

Stubby design for confined spaces and hard-to-reach areas

Compared to standard size bit sockets



Image: Illustration demonstrating the low-profile design of the Titan star bit sockets compared to standard bit sockets, emphasizing their compact size for tight spaces.

Your browser does not support the video tag.

Video: A product overview video demonstrating the features and benefits of the Titan 16142 Stubby Star Bit Socket Set.

## SETUP

The Titan 16142 Low Profile Impact Star Bit Socket Set requires minimal setup. Upon receiving the product:

1. **Unpack:** Carefully remove all components from the packaging.
2. **Inspect:** Check all 10 star bits and the steel storage rail for any signs of damage or manufacturing defects. Do not use damaged tools.
3. **Organize:** Ensure all bits are securely placed on the steel storage rail for easy identification and access.
4. **Compatibility:** Verify that the drive sizes (1/4-inch and 3/8-inch) are compatible with your existing ratchets, impact drivers, or other drive tools.

## OPERATING INSTRUCTIONS

Follow these general guidelines for using your Titan Low Profile Impact Star Bit Socket Set:

1. **Select the Correct Bit:** Identify the appropriate star bit size (T10-T50) for the fastener you are working with. Using the wrong size can damage both the bit and the fastener.
2. **Attach to Drive Tool:** Securely attach the selected star bit socket to a compatible 1/4-inch or 3/8-inch drive ratchet, impact driver, or breaker bar. Ensure the bit is fully seated and locked into place.
3. **Position the Tool:** Place the star bit firmly into the head of the fastener. Apply steady, even pressure to prevent cam-out.
4. **Apply Torque:** For loosening or tightening, apply torque smoothly. For impact applications, ensure your impact tool is set to the appropriate torque and direction.

5. **Work in Confined Spaces:** The low-profile design is ideal for areas with limited clearance. Use with appropriate extensions or universal joints if necessary, but be mindful of potential torque loss.
6. **Safety First:** Always wear appropriate personal protective equipment (PPE), such as safety glasses, when using hand tools or power tools.

## MAINTENANCE

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Proper maintenance will extend the life and performance of your Titan Star Bit Socket Set:

- **Cleaning:** After each use, wipe down the bits and rail with a clean, dry cloth to remove dirt, grease, and debris.
- **Lubrication:** Periodically apply a light coat of rust-preventative oil to the bits, especially if stored in humid environments.
- **Storage:** Always store the bits on their steel rail in a dry, organized manner to prevent loss and corrosion. Avoid storing in areas with extreme temperatures or high humidity.
- **Inspection:** Regularly inspect bits for wear, cracks, or damage. Replace any damaged bits immediately to prevent injury or damage to fasteners.

## TROUBLESHOOTING

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If you encounter issues while using your star bit socket set, consider the following:

Problem	Possible Cause	Solution
Bit slipping or stripping fastener head	Incorrect bit size; Worn bit; Insufficient pressure; Fastener seized.	Ensure correct bit size. Replace worn bits. Apply firm, even pressure. Use penetrating oil for seized fasteners.
Bit breaks or deforms	Excessive torque; Improper use with non-impact tools (if not impact-rated); Material fatigue.	Do not exceed recommended torque. Ensure bits are used with appropriate impact tools. Replace broken bits.
Bits rusting	Improper storage; Exposure to moisture.	Store in a dry environment. Apply rust-preventative oil regularly.

## SPECIFICATIONS

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Specification	Detail
Brand	Titan
Model Number	16142
Number of Pieces	10
Drive System	Star
Material	Chrome Molybdenum Steel
Finish Type	Steel
1/4-inch Drive Bit Sizes	T10, T15, T20, T25, T27, T30

Specification	Detail
3/8-inch Drive Bit Sizes	T40, T45, T47, T50
Included Components	10-Pc Stubby Star Bit Socket Set, Steel Storage Rail
Item Weight	0.4 Pounds
Manufacturer	Star Asia Usa

## WARRANTY AND SUPPORT

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The Titan 16142 10-Piece Low Profile Impact Star Bit Socket Set comes with a **Limited Lifetime Warranty** from the manufacturer. For specific details regarding warranty coverage, claims, or technical support, please refer to the official Titan Tools website or contact their customer service directly.

For further assistance, you may visit the [Titan Store on Amazon](#).