

Titan 16138

Titan 16138 9-Piece Low Profile Impact Triple Square Bit Socket Set Instruction Manual

1. PRODUCT OVERVIEW

The Titan Tools 16138 is a 9-piece low profile impact triple square bit socket set designed for automotive and mechanical applications, particularly where triple square fasteners are encountered. This set includes a comprehensive range of sizes across 1/4-inch, 3/8-inch, and 1/2-inch drive bits, all constructed from durable chrome molybdenum steel with a corrosion-resistant finish. The low-profile design allows access to fasteners in confined and hard-to-reach areas.



Image: The complete Titan 16138 9-piece low profile impact triple square bit socket set, showcasing all nine bits on their steel storage rail.

2. KEY FEATURES

- **Comprehensive Set:** Includes (2) 1/2-inch drive, (3) 3/8-inch drive, and (4) 1/4-inch drive bits.
- **Variety of Sizes:** 1/2-inch drive bit sizes: MT16 and MT18. 3/8-inch drive bit sizes: M10, M12, MT14. 1/4-inch drive bit sizes: M4, M5, M6, and M8.
- **Impact Grade Strength:** Designed for use with impact tools, offering enhanced durability and resistance to high torque applications.

- **Low Profile Design:** Facilitates access to fasteners in confined and hard-to-reach spaces.
- **Durable Construction:** Chrome molybdenum sockets with a corrosion-resistant plated finish for longevity.
- **Organized Storage:** Comes with a steel storage rail for convenient organization and transport.

Low Profile Impact Bit Socket Set

9-Piece Triple Square Bit Sockets



Image: A close-up view of the Titan 16138 bit socket set, illustrating the different drive sizes (1/4-inch, 3/8-inch, 1/2-inch) and their corresponding bit sizes.

3. SETUP

1. **Unpack the Set:** Carefully remove the bit sockets from their packaging and the steel storage rail.
2. **Inspect Components:** Before first use, inspect all 9 bit sockets for any manufacturing defects or shipping damage. Ensure all bits are securely seated on the storage rail.
3. **Identify Bit Sizes:** Familiarize yourself with the various triple square bit sizes (M4, M5, M6, M8, M10, M12, MT14, MT16, MT18) and their corresponding drive sizes (1/4-inch, 3/8-inch, 1/2-inch). The sizes are clearly marked on each socket.
4. **Select Appropriate Drive Tool:** Choose an impact wrench or ratchet with the correct drive size (1/4-inch, 3/8-inch, or 1/2-inch) that matches the bit socket you intend to use. Adapters/reducers may be necessary if your impact tool's drive size does not directly match the socket.

Low Profile Impact Bit Socket Set

9-Piece Triple Square Bit Sockets



Constructed of chromoly
for strength and durability



Storage rail included

Image: The Titan 16138 bit sockets neatly arranged on the included steel storage rail, demonstrating their compact and organized presentation.

4. OPERATING INSTRUCTIONS

1. **Choose the Correct Bit:** Match the triple square bit size to the fastener you are working on. Using the incorrect size can damage both the fastener and the bit.
2. **Attach to Drive Tool:** Securely attach the selected bit socket to your impact wrench or ratchet. Ensure it clicks into place to prevent accidental detachment during use.
3. **Engage Fastener:** Place the bit socket squarely onto the triple square fastener, ensuring full engagement of all 12 points.
4. **Apply Torque:** For removal or tightening, apply steady and controlled torque. These bits are impact grade, designed to withstand the high forces of impact tools.
5. **Utilize Low Profile:** The low-profile design is particularly beneficial in tight spaces. If a standard bit socket is too long, these shorter bits provide the necessary clearance.
6. **Avoid Over-tightening:** Always refer to the manufacturer's torque specifications for fasteners to prevent damage.

Low Profile Impact Bit Socket Set

9-Piece Triple Square Bit Sockets

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

Compared to
standard size
bit sockets



Image: A visual comparison highlighting the compact, low-profile design of the Titan 16138 bit sockets against standard-length bit sockets, emphasizing their utility in confined areas.

Low Profile Impact Bit Socket Set

Chromoly Construction For Strength and Durability



• **IMPACT GRADE** •

Able to handle high
torque impact tools

Image: An impact grade bit socket being used with an impact tool, demonstrating its robust construction suitable for high-torque applications.

5. MAINTENANCE

- **Cleaning:** After each use, wipe down the bit sockets with a clean cloth to remove dirt, grease, and debris. For stubborn grime, use a mild degreaser and ensure the sockets are thoroughly dried afterward.
- **Storage:** Store the bit sockets on their provided steel rail in a dry environment to prevent rust and corrosion. Avoid storing them in damp or humid conditions.
- **Inspection:** Periodically inspect the bits for any signs of wear, such as rounding of the points, cracks, or deformation. Discontinue use of any damaged bits to prevent injury or fastener damage.
- **Corrosion Resistance:** While the sockets feature a corrosion-resistant finish, prolonged exposure to moisture or harsh chemicals can still cause damage. Apply a light coat of rust preventative oil if storing for extended periods in less-than-ideal conditions.

6. TROUBLESHOOTING

- **Bit Slipping or Rounding Fastener:**
 - Ensure the correct triple square bit size is being used.
 - Verify the bit is fully seated and engaged with the fastener.
 - Check the bit for wear or damage; replace if necessary.
- **Difficulty Accessing Fastener:**
 - Utilize the low-profile design of these sockets.
 - Consider using a universal joint or extension if angle or reach is an issue, ensuring they are also impact-rated if using an impact tool.
- **Socket Cracking or Shattering:**
 - Ensure you are using impact-rated sockets with impact tools. Standard chrome vanadium sockets are not designed for impact use and can shatter. This Titan set is impact-rated.
 - Avoid excessive force beyond the tool's or fastener's capacity.

7. SPECIFICATIONS

Feature	Detail
Brand	Titan
Model Number	16138
Number of Pieces	9
Drive System	Triple Square
Material	Chrome Molybdenum Steel
Finish Type	Corrosion-resistant Finish
Drive Sizes Included	1/4-Inch, 3/8-Inch, 1/2-Inch
Bit Sizes Included	M4, M5, M6, M8 (1/4" Dr.); M10, M12, MT14 (3/8" Dr.); MT16, MT18 (1/2" Dr.)

Feature	Detail
Item Weight	6.4 ounces
Included Components	(2) 1/2-Inch drive, (3) 3/8-Inch drive, (4) 1/4-Inch drive bits, and steel storage rail

8. WARRANTY

The Titan 16138 9-Piece Low Profile Impact Triple Square Bit Socket Set comes with a **Limited Lifetime Warranty**. For specific details regarding warranty claims, coverage, and procedures, please refer to the official Titan Tools website or contact their customer support directly.

9. SUPPORT

For further assistance, product inquiries, or to explore other Titan Tools products, please visit the official Titan Store:

[Visit the Titan Store](#)

You may also find helpful resources and contact information on the Titan Tools corporate website.