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 - > TONE T-type Handle TH4300 1/2" Inch Drive Instruction Manual

TONE TH4300

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Model: TH4300

1. INTRODUCTION

The TONE T-type Handle TH4300 is a versatile hand tool designed for efficient tightening and loosening of fasteners when used with appropriate sockets. Its T-shaped design provides excellent leverage and control, making it suitable for various mechanical and automotive applications. This manual provides essential information for the safe and effective use, maintenance, and storage of your TONE T-type Handle.



2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the tool or workpiece:

- **Wear appropriate personal protective equipment (PPE)**, such as safety glasses, to protect against flying debris.
- **Inspect the tool before each use.** Do not use if the handle is bent, cracked, or shows signs of damage.
- **Ensure the socket is securely attached** to the drive end before applying force.
- **Do not use extension pipes or "cheater bars"** on the handle, as this can over-torque fasteners, damage the tool, or cause injury.
- **Use the correct size socket** for the fastener to prevent rounding the fastener head.
- **Keep hands and fingers clear** of pinch points and moving parts.
- **Store the tool properly** when not in use to prevent rust and damage.

3. PARTS OF THE T-TYPE HANDLE

The TONE T-type Handle TH4300 consists of the following primary components:

- **Sliding T-Bar:** The horizontal bar that slides through the main shaft, allowing for adjustable leverage.
- **Main Shaft:** The vertical shaft connecting the T-bar to the drive end.
- **1/2" Square Drive:** The male square drive at the end of the main shaft, designed to accept 1/2-inch drive sockets.



Figure 2: Close-up view of the 1/2-inch square drive end, where sockets are attached.

4. SETUP

To prepare your T-type handle for use:

1. **Select the appropriate socket:** Choose a 1/2-inch drive socket that matches the size and type of the fastener you intend to work with.
2. **Attach the socket:** Firmly push the selected socket onto the 1/2" square drive end of the T-type handle until it clicks into place or is seated securely. Ensure it does not wobble.
3. **Adjust the T-bar position:** Slide the horizontal T-bar along the main shaft to achieve the desired leverage or clearance. For maximum leverage, position the T-bar at one end of the shaft. For faster rotation or working in confined spaces, center the T-bar or position it closer to the drive end.

5. OPERATING INSTRUCTIONS

Using the TONE T-type Handle TH4300:

1. **Position the socket:** Place the attached socket squarely onto the fastener head.
2. **Apply force:**
 - For *tightening*, rotate the handle clockwise.
 - For *loosening*, rotate the handle counter-clockwise.

Apply steady, controlled force to the T-bar. Avoid sudden jerking motions.
3. **Remove the tool:** Once the fastener is tightened or loosened, carefully remove the T-type handle and socket from the fastener.
4. **Remove the socket:** Pull the socket firmly off the square drive end.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your TONE T-type Handle:

- **Cleaning:** After each use, wipe the handle clean with a dry cloth to remove dirt, grease, and debris. For stubborn grime, use a mild degreaser and then wipe dry.
- **Lubrication:** Periodically apply a light coat of machine oil to the sliding mechanism of the T-bar to ensure smooth operation and prevent rust.
- **Storage:** Store the T-type handle in a dry environment, away from moisture and corrosive chemicals. A tool chest or drawer is ideal.
- **Inspection:** Regularly inspect the tool for any signs of wear, bending, cracks, or damage to the square drive. Discontinue use if any damage is found and replace the tool if necessary.

7. TROUBLESHOOTING

The TONE T-type Handle is a simple, robust tool. Most issues relate to improper use or maintenance.

Problem	Possible Cause	Solution
Socket slips off drive	Socket not fully seated; worn drive end; incorrect socket size.	Ensure socket is pushed on firmly. Inspect drive end for wear. Use correct 1/2" drive socket.
T-bar difficult to slide	Dirt/grime in sliding mechanism; lack of lubrication.	Clean the sliding area. Apply a light machine oil.

Problem	Possible Cause	Solution
Tool feels bent or damaged	Excessive force applied; improper use (e.g., using as a pry bar).	Discontinue use immediately. Replace the tool. Do not attempt to straighten.

8. SPECIFICATIONS

Attribute	Value
Model Number	TH4300
Drive Size	1/2 inch
Item Weight	1.01 pounds
Product Dimensions	11.81 x 8.66 x 0.65 inches
Finish	Powder Coated
Head Style	Fixed Square
Measurement System	inch

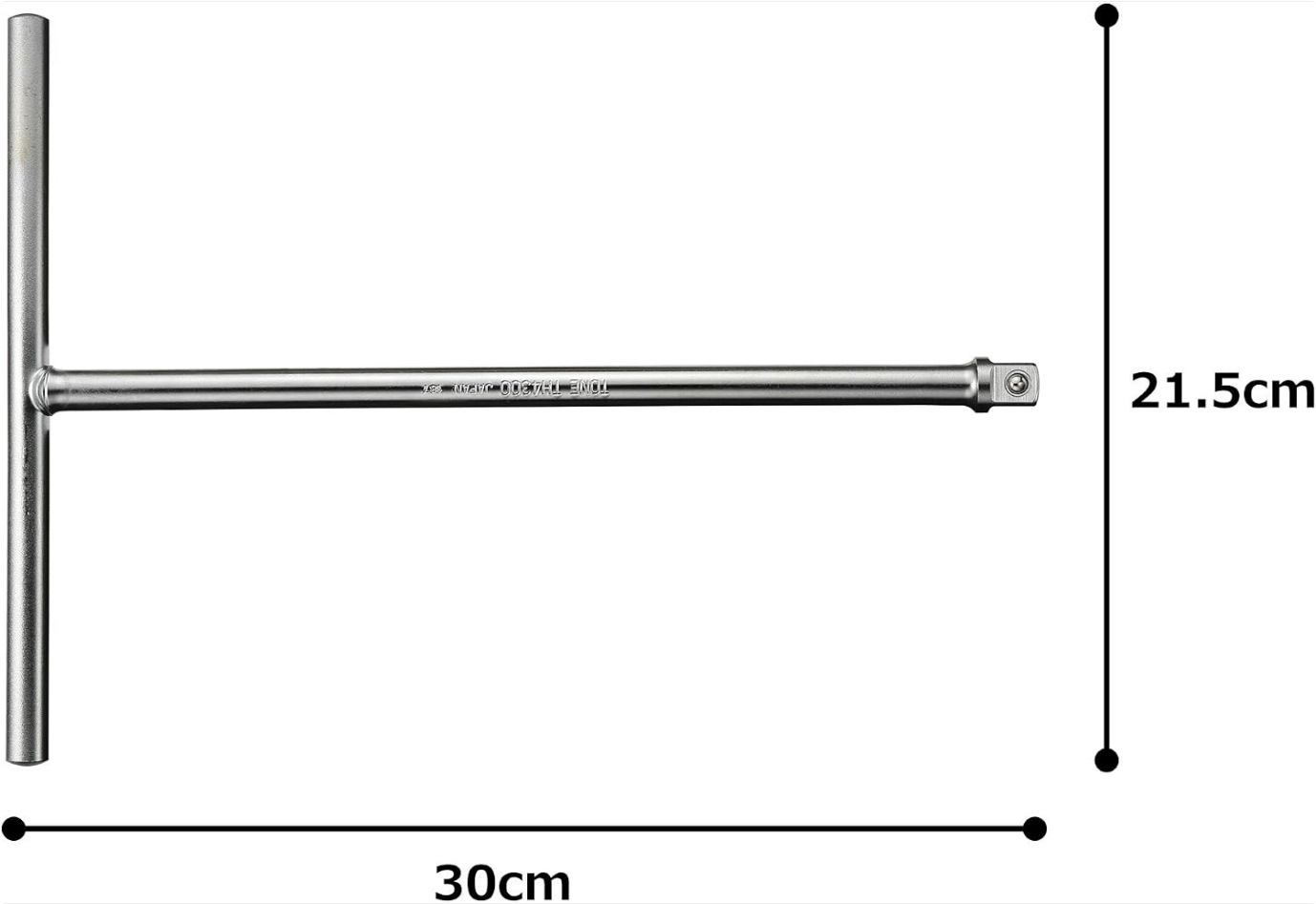


Figure 3: Approximate dimensions of the TONE T-type Handle TH4300.

9. WARRANTY AND SUPPORT

For specific warranty information regarding your TONE T-type Handle TH4300, please refer to the documentation included with your purchase or visit the official TONE website. For product support, technical assistance, or to inquire about replacement parts, please contact TONE customer service through their official channels.

TONE Americas, Inc.

(Contact information typically found on manufacturer's website or product packaging)

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