

## Yato YT-38782

# YATO YT-38782 Socket Set Instruction Manual

72-Piece 1/4-inch and 1/2-inch Drive Socket Set

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## 1. INTRODUCTION

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Thank you for choosing the YATO YT-38782 professional socket set. This 72-piece set, featuring 1/4-inch and 1/2-inch drive components, is designed for various mechanical tasks. The tools are manufactured from high-quality Chrome Vanadium steel (CrV50BV30) for sockets and S2 steel for screwdriver bits, ensuring durability and performance. This manual provides essential information for the safe and effective use, maintenance, and storage of your socket set.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions when using hand tools:

- Wear appropriate personal protective equipment, including safety glasses, to protect against flying debris.
- Ensure the correct size socket or bit is used for the fastener to prevent damage to the tool or fastener.
- Do not use damaged or worn tools. Inspect all components before each use.
- Avoid using extension handles or "cheater bars" on ratchets unless specifically designed for such use, as this can overload the tool and cause breakage.
- Keep tools clean and free from grease or oil to maintain a secure grip.
- Store tools in their designated case to prevent loss and damage.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

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Your YATO YT-38782 socket set includes the following 72 pieces, neatly organized in a durable storage case:



Figure 1: YATO YT-38782 Socket Set with case open, displaying all components.



Figure 2: Detailed view of the socket set's internal organization.

### 1/2-inch Drive Components:

- **Sockets (L38mm):** 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 mm
- **Socket (L42mm):** 27 mm
- **Spark Plug Socket:** 21 mm
- **Ratchet:** High-quality 72-teeth gear, soft grip, curved shape
- **Extension Bars:** 127 mm and 254 mm

- **Universal Joint**

### 1/4-inch Drive Components:

- **Sockets:** 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 mm
- **Ratchet:** High-quality 72-teeth gear, soft grip, curved shape
- **Spinner Handle**
- **Extension Bar:** 152 mm
- **Sliding T-Bar**

### Screwdriver Bits (S2 Steel):

- **Slotted:** 4, 5, 5.5, 6, 7 mm
- **Phillips:** PH0, PH1, PH2, PH3
- **Pozidrive:** PZ0, PZ1, PZ2, PZ3
- **Torx:** T8, T9, T10, T15, T20, T25, T27, T30, T40
- **Hex:** 3, 4, 5, 6, 7, 8 mm
- **Square:** S0, S1, S2, S3

### Hex Keys:

- 1.25, 1.5, 2.5, 3 mm

All components are housed in a handy, durable case for storage and transport.

## 4. SETUP

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The YATO YT-38782 socket set comes pre-assembled and organized within its durable carrying case. No initial assembly is required.

1. **Unlatch the Case:** Locate the two latches on the front of the case. Push them inwards or upwards to release the lid.
2. **Open the Case:** Carefully open the lid to reveal the organized tools.
3. **Inspect Components:** Before first use, visually inspect all sockets, ratchets, and bits for any signs of damage or manufacturing defects. Ensure all 72 pieces are present as listed in the "Package Contents" section.



Figure 3: The YATO YT-38782 Socket Set in its closed carrying case.

## 5. OPERATING INSTRUCTIONS

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This section details the proper use of the various components within your YATO socket set.

### 5.1. Using Ratchets and Sockets



Figure 4: Detail of a YATO ratchet head.



Figure 5: Assortment of sockets and bits.

1. **Select the Correct Socket:** Choose a socket that precisely fits the fastener (nut or bolt head). Using an incorrect size can strip the fastener or damage the tool or fastener.
2. **Attach to Ratchet:** Press the socket firmly onto the square drive of the ratchet. Ensure it clicks securely into place.
3. **Direction Control:** Use the lever on the ratchet head to select the desired direction (tighten or loosen).
4. **Apply Force:** Place the socket squarely onto the fastener. Apply steady, controlled force to the ratchet handle. The 72-teeth ratchet gear allows for a minimum working stroke of 5 degrees, ideal for confined spaces.
5. **AS-DRIVE System:** YATO sockets feature the AS-DRIVE system, which increases maximum torque by 25% while

protecting the corners of the fastener. This system applies force to the flats of the fastener rather than the corners, reducing the risk of rounding.

6. **Remove Socket:** Press the quick-release button on the ratchet head (if present) and pull the socket off.

## 5.2. Using Extension Bars and Universal Joints

- **Extension Bars:** Use extension bars to reach fasteners in deep or obstructed areas. Attach the extension bar to the ratchet, then the socket to the extension bar.
- **Universal Joint:** The universal joint allows for angular access to fasteners that are not in a direct line with the ratchet. Attach it between the ratchet and the socket or extension bar. Note that using a universal joint may reduce the effective torque and should be used with care.

## 5.3. Using Screwdriver Bits and Spinner Handle

- **Bit Selection:** Choose the appropriate screwdriver bit (Slotted, Phillips, Pozidrive, Torx, Hex, Square) for the screw head.
- **Spinner Handle:** Insert the selected bit into the bit holder on the spinner handle. This is suitable for fasteners requiring less torque or for quick turning.
- **Ratcheting with Bits:** For higher torque applications, use a bit adapter (if included or separately acquired) with the 1/4-inch ratchet.

# 6. MAINTENANCE

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Proper maintenance ensures the longevity and reliable performance of your YATO socket set.

- **Cleaning:** After each use, wipe down all tools with a clean, 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 small amount of light machine oil to the ratchet mechanism to ensure smooth operation. Do not over-lubricate.
- **Inspection:** Regularly inspect sockets for cracks, wear, or rounding of the drive square. Check ratchets for smooth operation and ensure the direction lever functions correctly. Replace any damaged components immediately.
- **Storage:** Always return tools to their designated slots in the carrying case after use. Close and latch the case securely. Store the case in a dry environment, away from excessive humidity or extreme temperatures, to prevent corrosion.

# 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your socket set.

Problem	Possible Cause	Solution
Socket slips on fastener.	Incorrect socket size; fastener head is rounded; worn socket.	Ensure correct socket size. Replace rounded fasteners. Replace worn sockets.
Ratchet mechanism feels stiff or grinds.	Lack of lubrication; dirt or debris in mechanism.	Clean the ratchet head and apply a small amount of light machine oil.
Socket is stuck on ratchet drive.	Quick-release button not fully depressed; debris in drive square.	Ensure the quick-release button is fully pressed. Clean the drive square and socket opening.
Bits strip screw heads.	Incorrect bit size; excessive torque; worn bit.	Use the correct bit size. Apply appropriate torque. Replace worn bits.

# 8. SPECIFICATIONS

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Feature	Detail
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Feature	Detail
Model Number	YT-38782
Brand	Yato
Number of Pieces	72
Drive Sizes	1/4-inch, 1/2-inch
Material (Sockets)	Chrome Vanadium Steel (CrV50BV30)
Material (Screwdriver Bits)	S2 Steel
Ratchet Gear	72 teeth (5-degree working stroke)
Socket System	AS-DRIVE (25% increased torque, fastener protection)
Finish Type	Chrome Vanadium
Item Weight	4.37 Kilograms
GTIN	05906083387821

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or to inquire about replacement parts, please contact YATO customer service through their official website or the retailer from whom the product was purchased. Keep your purchase receipt as proof of purchase.

*Note: The manufacturer provides a UK VAT invoice upon request.*

