

## Yato YT-38781

# Yato YT-38781 Socket Set 1/4 and 1/2 Inch, 77 Pieces - Instruction Manual

Model: YT-38781 | Brand: Yato

## INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your Yato YT-38781 professional 77-piece socket and tool set. This comprehensive kit is designed for specialized automotive and mechanical services, as well as general household and workshop tasks. Please read this manual thoroughly before operating the tools to ensure proper handling, maintenance, and to maximize the lifespan of your set.

## SAFETY INFORMATION

- **Wear Eye Protection:** Always wear safety glasses or goggles to protect your eyes from flying debris.
- **Use Correct Tool for the Job:** Select the appropriate size and type of tool for the fastener to prevent damage to the tool or workpiece.
- **Inspect Tools Before Use:** Check for any signs of wear, damage, or cracks. Do not use damaged tools.
- **Keep Tools Clean and Dry:** Prevent rust and maintain grip by keeping tools free from grease, oil, and moisture.
- **Do Not Over-tighten:** Avoid excessive force that could strip threads or break fasteners.
- **Keep Children Away:** Store tools out of reach of children.
- **Avoid Modifying Tools:** Do not alter or modify tools, as this can compromise their strength and safety.

## PACKAGE CONTENTS

---

Your Yato YT-38781 socket set includes the following 77 pieces:

- **1/4" Drive Sockets (25mm):**
  - Sizes: 4, 5, 6, 7, 8, 9, 10, 11, 12 mm
- **1/2" Drive Sockets (38mm):**
  - Sizes: 10, 11, 12, 13, 14, 15, 17, 19, 22, 24 mm
- **1/2" Drive Sockets (42mm):**
  - Sizes: 27, 30, 32 mm
- **Spark Plug Sockets:**
  - Sizes: 16, 21 mm
- **1/4" Extensions:**
  - Lengths: 76, 102 mm
- **1/2" Extensions:**
  - Lengths: 127, 254 mm
- **72T Ratchets:**
  - 1/4" Drive
  - 1/2" Drive
- **Cardan Joints:**
  - 1/4" Drive
  - 1/2" Drive
- **1/4" Square Adapter to Hexagonal**
- **1/4" Bits:**
  - Phillips: PH0, PH1, PH2, PH3
  - Pozidriv: PZ1, PZ2, PZ3
  - Flat: 3, 4, 5.5, 7 mm
  - Allen (Hex): 2, 3, 4, 5, 6 mm
  - Torx: T10, T15, T20, T25
- **Hexagonal Adapter:** 1/4" on 1/4" square
- **Combination Wrenches:**
  - Sizes: 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19 mm
- **Double Socket Wrenches:**
  - Sizes: 8x9, 10x11, 12x13, 14x15 mm
- **Hexagon Socket Wrenches (Allen Keys):**
  - Sizes: 1.5, 2, 2.5, 5, 6, 8, 10 mm



Image: The Yato YT-38781 socket set displayed open in its durable carrying case, showing the organized arrangement of all 77 tools, including various sockets, ratchets, wrenches, and bits.

## SETUP

1. **Unpack the Set:** Carefully remove the socket set from its packaging.
2. **Open the Case:** Unlatch the clasps on the carrying case and open it to reveal the tools. The tools are securely held in molded compartments.
3. **Familiarize Yourself:** Take a moment to identify the different types of tools and their respective sizes within the case. This will help in quickly selecting the correct tool for your task.



Image: The Yato YT-38781 socket set in its closed, black, durable plastic carrying case, featuring the Yato logo and model number on the front.

## OPERATING INSTRUCTIONS

### Using Sockets and Ratchets

1. **Select the Correct Socket:** Choose a socket that precisely fits the fastener head. Using an incorrect size can damage the fastener or the socket.
2. **Attach to Ratchet:** Press the socket firmly onto the square drive of the ratchet. Ensure it clicks into place securely.
3. **Select Ratchet Direction:** 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 turn the ratchet. For stubborn fasteners, use extensions or a breaker bar (not included) if necessary, but avoid excessive force.
5. **Using Extensions and Universal Joints:** Extensions provide reach in confined spaces. Universal joints (cardan joints) allow for angled access to fasteners.

### Using Combination Wrenches

Combination wrenches feature an open-end wrench on one side and a box-end wrench on the other, both of the same size. The box-end provides a more secure grip and is less likely to slip.

- **Open-End:** Useful for quick turns or when access is limited from the top.
- **Box-End:** Provides full contact with the fastener, reducing the risk of rounding corners. Ideal for breaking loose or final tightening.

### Using Bits and Adapters

The set includes various bits (Phillips, Pozidriv, Flat, Allen, Torx) and adapters. These can be used

with the 1/4" ratchet or a bit driver (not included) for fasteners requiring specific drive types.



Image: A detailed view of the Yato YT-38781 socket set, highlighting the various sockets, ratchets, and extension bars neatly arranged in their compartments.

## MAINTENANCE

- **Cleaning:** After each use, wipe down tools with a clean, dry cloth to remove dirt, grease, and moisture. For stubborn grime, use a mild degreaser and then dry thoroughly.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts of ratchets and universal joints to ensure smooth operation and prevent rust.
- **Storage:** Always return tools to their designated spots in the carrying case. Store the case in a dry environment to prevent corrosion.
- **Inspection:** Regularly inspect all tools for signs of wear, damage, or deformation. Replace any damaged tools immediately to ensure safety and performance.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Socket slips on fastener	Incorrect socket size; Worn fastener head; Worn socket.	Ensure correct socket size. Replace worn fasteners. Replace worn sockets.
Ratchet mechanism sticks or is stiff	Lack of lubrication; Dirt or debris inside mechanism.	Clean and lubricate the ratchet mechanism with light machine oil.
Tools show signs of rust	Exposure to moisture; Improper storage.	Clean tools thoroughly and dry completely. Store in a dry environment. Apply a rust preventative if needed.



<div data-bbox="124 98 304 152">  </div> <div data-bbox="124 165 304 293"> <p>PL: CYFROWY UNIWERSALNY MIERNIK EN: DIGITAL UNIVERSAL MULTIMETER DE: UNIVERSAL DIGITAL MEßGERÄT FR: MULTIMÈTRE ANALOGIQUE NUMÉRIQUE IT: MULTIMETRO ANALOGICO NUMERICO ES: MULTIMETRO ANALÓGICO NUMÉRICO RU: ЦИФРОВОЙ УНИВЕРСАЛЬНЫЙ ТЕСТЕР UK: ЦИФРОВИЙ УНІВЕРСАЛЬНИЙ ТЕСТЕР PT: MULTIMETRO DIGITAL UNIVERSAL HU: UNIVERZÁLIS DIGITÁLIS TÍZESZÁZ NL: DIGITALE UNIVERSALE TESTTOEGANG GR: ΑΝΑΛΟΓΙΚΟ-ΑΡΙΘΜΗΤΙΚΟ ΠΟΛΥΜΕΤΡΟ</p> </div> <div data-bbox="268 165 304 176"> <p>YT-73081</p> </div> <div data-bbox="272 360 304 394">  </div> <div data-bbox="150 387 280 396"> <p>INSTRUKCJA ORYGINALNA</p> </div>	<p><a href="#">YATO YT-73081 Digital Universal Multimeter - User Manual</a></p> <p>User manual for the YATO YT-73081 Digital Universal Multimeter. Learn about its features, technical specifications, safety instructions, and measurement procedures for accurate electrical testing.</p>
<div data-bbox="124 456 304 510">  </div> <div data-bbox="124 517 304 629"> <p>PL: SZLIFIERKA ŁAŃCUCHOWA EN: CHAINSAW DE: KETTENSAGE FR: SCIEUSE À CHAÎNE IT: SEGHE A CATENA ES: SIERRA DE CADENA RU: ЦЕПНАЯ ПИЛА UK: ЦІПНА ПИЛА PT: SERRA DE CADA HU: LÁNCZESZÁRVA NL: KETENZAAG GR: ΣΑΓΑΚΙ ΑΛΥΣΙΔΑΣ</p> </div> <div data-bbox="268 517 304 546"> <p>YT-828293 YT-828294 YT-828295</p> </div> <div data-bbox="124 600 304 696">  </div> <div data-bbox="124 674 304 707">  </div>	<p><a href="#">YATO YT-828293/828294/828295 Instrukcja Obsługi Akumulatorowej Szlifierki Kątowej</a></p> <p>Oryginalna instrukcja obsługi dla akumulatorowej szlifierki kątowej YATO YT-828293, YT-828294, YT-828295. Zawiera szczegółowe informacje dotyczące bezpieczeństwa, użytkowania, konserwacji oraz dane techniczne.</p>
<div data-bbox="124 770 304 824">  </div> <div data-bbox="124 831 304 920"> <p>PL: SZLIFIERKA ŁAŃCUCHOWA EN: CHAINSAW DE: KETTENSAGE FR: SCIEUSE À CHAÎNE IT: SEGHE A CATENA ES: SIERRA DE CADENA RU: ЦЕПНАЯ ПИЛА UK: ЦІПНА ПИЛА PT: SERRA DE CADA HU: LÁNCZESZÁRVA NL: KETENZAAG GR: ΣΑΓΑΚΙ ΑΛΥΣΙΔΑΣ</p> </div> <div data-bbox="268 831 304 860"> <p>YT-828135 YT-828136</p> </div> <div data-bbox="124 920 304 1010">  </div> <div data-bbox="124 987 304 1021">  </div>	<p><a href="#">YATO Pilarka Łańcuchowa Akumulatorowa YT-828135 / YT-828136 - Instrukcja Obsługi</a></p> <p>Instrukcja obsługi dla pilarki łańcuchowej YATO YT-828135 i YT-828136. Zawiera informacje o charakterystyce produktu, danych technicznych, instrukcjach bezpieczeństwa, obsłudze i konserwacji.</p>
<div data-bbox="124 1229 304 1283">  </div> <div data-bbox="124 1290 304 1379"> <p>PL: SZLIFIERKA ŁAŃCUCHOWA EN: CHAINSAW DE: KETTENSAGE FR: SCIEUSE À CHAÎNE IT: SEGHE A CATENA ES: SIERRA DE CADENA RU: ЦЕПНАЯ ПИЛА UK: ЦІПНА ПИЛА PT: SERRA DE CADA HU: LÁNCZESZÁRVA NL: KETENZAAG GR: ΣΑΓΑΚΙ ΑΛΥΣΙΔΑΣ</p> </div> <div data-bbox="268 1290 304 1319"> <p>YT-828137 YT-828138</p> </div> <div data-bbox="124 1379 304 1469">  </div> <div data-bbox="124 1447 304 1480">  </div>	<p><a href="#">YATO Cordless Chainsaw YT-828137/YT-828138 User Manual</a></p> <p>Comprehensive user manual for the YATO Cordless Chainsaw models YT-828137 and YT-828138. This guide provides detailed instructions on operation, safety precautions, maintenance, and technical specifications for effective and safe use of the chainsaw.</p>