

STANLEY STMT82829-1

STANLEY 1/4-inch Drive 38-Piece Socket Set Instruction Manual

Model: STMT82829-1

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the STANLEY 1/4-inch Drive 38-Piece Socket Set. This comprehensive tool kit is designed for various fastening and loosening tasks, offering durability and versatility for both professional and home use. This manual provides essential information for the safe and effective use, maintenance, and storage of your new socket set.

Key features of this set include:

- A 72-tooth ratchet for fine adjustments and access in confined spaces.
- Two extensions (75 mm and 150 mm) for extended reach.
- One 1/4-inch universal gimbal for angled access.
- A compact and durable storage case with secure metal fasteners.



Figure 1: The STANLEY 1/4-inch Drive 38-Piece Socket Set in its open storage case, displaying all components.

2. PRODUCT COMPONENTS

Your STANLEY 1/4-inch Drive 38-Piece Socket Set includes the following items:

- 1 x 1/4-inch Drive 72-Tooth Ratchet
- Various 1/4-inch Drive Sockets (sizes as specified in the 'Specifications' section)
- 1 x 75 mm (3-inch) 1/4-inch Drive Extension Bar
- 1 x 150 mm (6-inch) 1/4-inch Drive Extension Bar
- 1 x 1/4-inch Drive Universal Gimbal (U-joint)
- 1 x 1/4-inch Drive Screwdriver Handle
- Assorted Screwdriver Bits (Phillips, Slotted, Torx, Hex)
- 1 x Durable Storage Case



Figure 2: All components of the 38-piece socket set, including sockets, ratchet, extensions, universal joint, screwdriver handle, and various bits.

3. SETUP

The STANLEY 1/4-inch Drive 38-Piece Socket Set comes pre-organized in its durable storage case. No assembly is required for the individual tools. Simply open the case to access the components.

3.1 Opening the Case

1. Locate the metal fasteners on the front of the case.
2. Gently pull the fasteners outwards to release the lid.
3. Lift the lid to reveal the organized tools inside.



Figure 3: The STANLEY 38-piece socket set in its closed, compact storage case.



Figure 4: Detail of the metal fastener on the storage case.

4. OPERATING INSTRUCTIONS

4.1 Attaching Sockets and Bits

1. Select the appropriate socket or bit for your task.
2. Align the square drive opening of the socket with the square drive post on the ratchet, extension, universal gimbal, or screwdriver handle.
3. Push the socket firmly onto the drive post until it clicks into place. For the ratchet, ensure the quick-release button is not pressed during attachment unless necessary for removal.



4.2 Using the Ratchet

The 72-tooth ratchet allows for precise turning with minimal swing arc, ideal for tight spaces.

1. Attach the desired socket to the ratchet.
2. Place the socket onto the fastener (nut or bolt head).
3. Locate the direction switch on the ratchet head. Push it to the left for loosening (counter-clockwise) or to the right for tightening (clockwise).
4. Apply steady pressure to turn the fastener. The ratchet mechanism will allow the handle to swing back without turning the fastener in the opposite direction.



Figure 6: Close-up view of the ratchet head, highlighting the direction selector switch.



Figure 7: Demonstrating the use of the ratchet with a socket.

4.3 Using Extensions and Universal Gimbal

Extensions provide additional reach for fasteners in recessed areas. The universal gimbal allows for angular access to fasteners that are not directly in line with the drive tool.

1. Attach the extension bar to the ratchet or screwdriver handle.
2. Attach the desired socket to the other end of the extension bar.
3. For angled access, insert the universal gimbal between the extension and the socket, or directly between the ratchet and the socket.



Figure 8: The socket set being used for automotive maintenance, showing practical application.



Figure 9: Using the ratchet and socket to access a fastener near a car's headlight.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your STANLEY tools.

5.1 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 or solvent can be used, followed by a thorough drying.
- Avoid using abrasive cleaners or harsh chemicals that could damage the tool finish.

5.2 Lubrication

- Periodically apply a small amount of light machine oil to the ratchet mechanism to ensure smooth operation. Do not over-lubricate.

5.3 Storage

- Always store the tools in their original durable case to protect them from damage and loss.
- Ensure the case is closed securely with the metal fasteners.
- Store the case in a dry environment to prevent rust and corrosion.

6. TROUBLESHOOTING

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

6.1 Socket Not Attaching Securely

- **Check for debris:** Ensure there is no dirt or obstruction in the square drive opening of the socket or

on the drive post of the tool.

- **Proper alignment:** Verify that the socket is correctly aligned with the drive post before pushing.
- **Quick-release button:** If using the ratchet, ensure the quick-release button is not stuck in the depressed position.

6.2 Ratchet Mechanism Sticking or Not Engaging

- **Cleanliness:** Dirt or old grease can impede the mechanism. Clean the ratchet head thoroughly.
- **Lubrication:** Apply a small amount of light machine oil to the internal mechanism (refer to Section 5.2).
- **Direction switch:** Ensure the direction switch is fully engaged in either the tightening or loosening position.

6.3 Tools Showing Signs of Rust

- **Dry storage:** Ensure tools are stored in a dry environment. Humidity can cause rust.
- **Protective coating:** For long-term storage, a light coat of rust-preventative oil can be applied to metal surfaces.
- **Immediate cleaning:** Always clean and dry tools immediately after exposure to moisture.

7. SPECIFICATIONS

Feature	Detail
Brand	STANLEY
Model Number	STMT82829-1
Part Number	STMT82828-1
Number of Pieces	38
Drive Size	1/4 inch
Ratchet Teeth Count	72
Material	Metal
Finish Type	Polished
Head Style	Torx (for included bits)
Item Weight	0.98 Kilograms (2.16 pounds)
Item Length	22.5 Millimeters (packaging dimension)
Power Source	Hand Powered
Color	Multicolored (tools are metallic, case is black/yellow)



Figure 10: Detail of a STANLEY socket, showcasing its finish and markings.

8. WARRANTY AND SUPPORT

STANLEY tools are manufactured to high-quality standards and are designed for durability. For specific warranty information regarding your STANLEY 1/4-inch Drive 38-Piece Socket Set, please refer to the warranty card included with your purchase or visit the official STANLEY website.

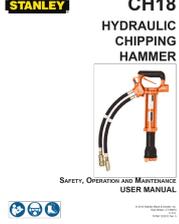
For technical support, replacement parts, or any inquiries not covered in this manual, please contact STANLEY customer service through their official website or the contact information provided with your product packaging.

You can visit the STANLEY Store for more information and products: [STANLEY Store on Amazon](#)

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Related Documents - STMT82829-1

<p>STANLEY Warranty Information</p> <p>Product Warranty</p> <p>STANLEY warrants its tools to be free from defects in material and workmanship under normal use and conditions. The warranty period varies by product and is detailed in the warranty card included with your purchase. For a complete list of warranty terms, conditions, and exclusions, please refer to the official STANLEY website.</p> <p>Product Return</p> <p>STANLEY offers a 30-day return policy for its tools. If you are not satisfied with your purchase, you can return the tool to the retailer where you purchased it for a full refund. For more information on the return process, please contact STANLEY customer service.</p> <p>Limit of Liability</p> <p>STANLEY's liability is limited to the purchase price of the tool. STANLEY is not responsible for any indirect, consequential, or special damages, including but not limited to, lost profits, lost wages, or property damage, even if advised of the possibility of such damages.</p>	<p>STANLEY Product Warranty Information - Guarantees and Policies</p> <p>Comprehensive warranty details for STANLEY tools including Flashlights, Hand Tools, Lasers, Mechanics Tools, Stud Sensors, and Tape Rules. Learn about limited and lifetime warranties, exclusions, and return policies.</p>
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 <p>STANLEY SRP 4960 COMPACTION REVERSIBLE PLATE PARTS MANUAL</p>	<p>Stanley SRP 4960 Compaction Reversible Plate Parts Manual</p> <p>Comprehensive parts manual for the Stanley SRP 4960 Compaction Reversible Plate, detailing all components, part numbers, quantities, and assembly kits. Includes technical specifications, adhesive torque conversions, and maintenance information.</p>
 <p>STANLEY CO25 HYDRAULIC CUT-OFF SAW USER MANUAL</p>	<p>STANLEY CO25 Hydraulic Cut-Off Saw User Manual</p> <p>This user manual provides comprehensive safety, operation, and maintenance instructions for the STANLEY CO25 Hydraulic Cut-Off Saw. It includes specifications, troubleshooting, and parts information.</p>
 <p>STANLEY CH18 HYDRAULIC CHIPPING HAMMER USER MANUAL</p>	<p>Stanley CH18 Hydraulic Chipping Hammer User Manual: Safety, Operation, and Maintenance</p> <p>Comprehensive user manual for the Stanley CH18 Hydraulic Chipping Hammer, covering safety precautions, operating procedures, maintenance guidelines, troubleshooting, and specifications. Essential reading for safe and effective use.</p>
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 <p>STANLEY STANLEY SXWT-FT585 FOLDING HAND TRUCK USER MANUAL</p>	<p>Stanley SXWT-FT585 Folding Hand Truck: User Manual and Specifications</p> <p>Comprehensive user manual and specifications for the Stanley SXWT-FT585 Folding Hand Truck, detailing its features, folding instructions, safety guidelines, and warranty information. This guide helps users operate and maintain the product safely and effectively.</p>