

STANLEY 89-509

Stanley 43 Piece 1/2" Drive Socket Set

Model: 89-509

PRODUCT OVERVIEW

The Stanley 43 Piece 1/2" Drive Socket Set (Model 89-509) is a comprehensive collection of high-quality tools designed for various mechanical and repair tasks. This set includes a wide range of both SAE (inch) and Metric sockets, along with essential accessories, all housed in a durable, easy-to-carry case. The tools are engineered to meet ANSI standards, ensuring reliability and performance.

Key Features:

- **Durable Construction:** Tools are built for long-lasting use.
- **Easy to Carry:** Compact and robust storage case for portability.
- **ANSI Standards Compliant:** Meets industry performance and safety standards.
- **Comprehensive Set:** Includes a wide array of sockets and accessories for diverse applications.

PACKAGE CONTENTS

Your Stanley 43 Piece 1/2" Drive Socket Set includes the following components:

Quantity	Item Description
15 pc	1/2" Drive 12pt Sockets (Inch): 3/16", 7/16", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4"
20 pc	1/2" Drive 12pt Sockets (Metric): 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32mm
2 pc	Spark Plug 6pt Sockets: 5/8" & 13/16"

Quantity	Item Description
3 pc	Extension Bars: 3", 5" & 10"
1 pc	Universal Joint
1 pc	Flex Handle (375mm)
1 pc	Full Polish Quick Release Ratchet



Image: All components of the Stanley 43 Piece 1/2" Drive Socket Set, including various sockets, extension bars, universal joint, flex handle, and ratchet.

SETUP AND PREPARATION

Unpacking:

Carefully open the product packaging and remove the socket set case. Inspect the case and its contents for any signs of damage during transit. Ensure all listed components are present.



Image: The durable black carrying case for the Stanley 43 Piece 1/2" Drive Socket Set, with the Stanley logo and product details.

Familiarizing with Components:

Open the case to reveal the organized layout of the sockets and accessories. Take a moment to identify each type of socket (SAE and Metric), the ratchet, extension bars, universal joint, and flex handle. This will help in quickly selecting the correct tool for your task.



Image: The Stanley 43 Piece 1/2" Drive Socket Set displayed open in its organized black carrying case, showing all sockets and accessories neatly arranged.

OPERATING INSTRUCTIONS

Using the Ratchet:

The quick-release ratchet allows for efficient tightening and loosening of fasteners. To change the direction of rotation, use the lever or switch located on the ratchet head. Ensure the ratchet is securely engaged before applying force.

Attaching Sockets:

Select the appropriate size socket (either SAE or Metric) for your fastener. Press the socket firmly onto the square drive of the ratchet or extension bar until it clicks into place. To remove, press the quick-release button on the ratchet head and pull the socket off.



Image: A close-up view of several SAE (inch) sockets from the Stanley 43 Piece 1/2" Drive Socket Set, showcasing their polished finish and size markings.



Image: A close-up view of several Metric sockets from the Stanley 43 Piece 1/2" Drive Socket Set, highlighting their polished finish and size markings.

Using Extension Bars and Universal Joint:

Extension bars (3", 5", 10") provide additional reach for fasteners in confined spaces. The universal joint allows for angled access to fasteners, making it ideal for awkward positions. Attach these accessories between the ratchet and the socket as needed.



Image: A close-up of the extension bars and universal joint included in the Stanley 43 Piece 1/2" Drive Socket Set, showing their polished chrome finish.

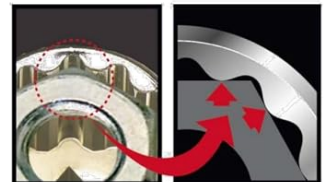
Maxi Drive Feature:

The Stanley sockets feature the Maxi Drive system, which provides three main benefits:

1. **Curved Profile:** The curved profile of the socket distributes the driving force off the corners of the fastener, preventing damage to both the fastener and the socket.
2. **Greater Torque Application:** Allows for more effective transfer of torque.
3. **Use on Damaged Fasteners:** Can be used on fasteners with damaged and rounded corners, providing a better grip.

The Maxi Drive feature provides 3 main benefits:

1. Curved profile of the socket distributes the driving force off the corners of the fastener to prevent damage to both the fastener and the socket
2. Greater torque application
3. Can be used on fastener with damaged and rounded corners



Torque Load is Re-directed Away From the Corners and Applied to the Flats Relieving the Stress Points

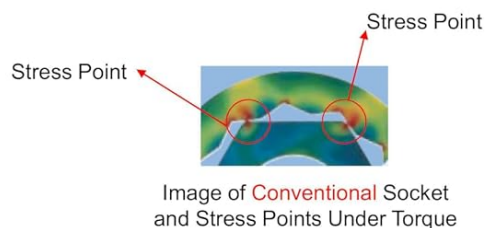
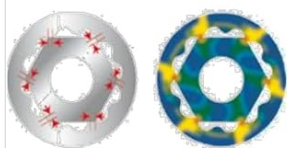


Image: A diagram illustrating the Maxi Drive feature, showing how torque load is redirected away from the corners and applied to the flats, relieving stress points compared to conventional sockets.

CARE AND MAINTENANCE

Proper care and maintenance will extend the life of your Stanley socket set:

- **Cleaning:** After each use, wipe down all tools with a clean, dry cloth to remove dirt, grease, and debris. For stubborn grime, use a mild degreaser and then dry thoroughly.
- **Lubrication:** Periodically apply a light coat of machine oil to the ratchet mechanism and universal joint to ensure smooth operation and prevent rust.
- **Storage:** Always store the tools in their original carrying case in a dry environment to prevent corrosion and keep them organized. Avoid storing in damp or humid conditions.
- **Inspection:** Regularly inspect sockets and accessories for any signs of wear, cracks, or damage. Do not use damaged tools, as this can lead to injury or further damage to fasteners.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Issue	Possible Cause	Solution
Socket slips on fastener	Incorrect socket size; fastener is stripped; excessive wear on socket.	Ensure correct socket size is used. If fastener is stripped, use a different method or a specialized tool. Replace worn sockets.
Ratchet mechanism sticks or is stiff	Lack of lubrication; dirt or debris inside mechanism.	Clean the ratchet head and apply a few drops of light machine oil. Operate the ratchet to distribute the oil.
Socket difficult to attach/detach	Quick-release button is stuck; debris in drive square.	Ensure quick-release button moves freely. Clean the drive square on both the ratchet/extension and the socket.
Tools show signs of rust	Exposure to moisture; improper storage.	Clean off rust with a rust remover or fine abrasive, then apply a protective oil coating. Store tools in a dry environment.

TECHNICAL SPECIFICATIONS

Specification	Detail
Model Number	89-509
Brand	STANLEY
Number of Pieces	43
Drive Size	1/2 inch
Drive System	Square
Finish Type	Polished

Specification	Detail
Item Weight	Approx. 1.1 pounds (0.5 kg)
Product Dimensions	9.45 x 3.54 x 7.09 inches (24 x 9 x 18 cm)
Socket Types	12pt Inch (SAE) and Metric, 6pt Spark Plug
Ratchet Type	Full Polish Quick Release Ratchet
Standards Met	ANSI

WARRANTY AND CUSTOMER SUPPORT

Warranty Information:

Stanley tools are manufactured to high quality standards and are covered by a limited lifetime warranty against defects in material or workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Stanley website.

Customer Support:

For any questions, assistance, or service inquiries regarding your Stanley 43 Piece 1/2" Drive Socket Set, please contact Stanley customer care:

Phone: 1800-203-0644 (Monday - Saturday, 09:00 AM - 06:00 PM IST, except government holidays)

Email: SBD-CUSTOMER.COMMUNICATIONS@SBDINC.COM

WhatsApp: [+91 96060 55835](https://wa.me/919606055835)

There are over 500 authorized service centers available for support.



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SALES SUPPORT**



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WARRANTY



ORIGINAL PARTS



INFORMATION



**OMNICHANNEL
SUPPORT**

CUSTOMER CARE CONTACT

PHONE:

1800-203-0644

EMAIL:

**SBD-CUSTOMER
COMMUNICATIONS
@SBDINC.COM**

WHATSAPP:



MON-SAT

09:00 AM - 06:00 PM IST

EXCEPT GOVERNMENT HOLIDAYS

**NUMBER OF AUTHORIZED
SERVICE CENTER : 500+**

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