

Stanley 4-86-420

STANLEY 4-86-420 Long Stripped Socket 1/2 Inch 12mm User Manual

Model: 4-86-420

INTRODUCTION

This manual provides instructions for the STANLEY 4-86-420 Long Stripped Socket. Crafted from high-resistance chrome vanadium steel, this tool is designed for professionals in automotive mechanics, industrial maintenance, and other fields requiring the efficient tightening or loosening of hexagonal bolts and nuts. Its long reach design enhances accessibility in various applications.

PRODUCT OVERVIEW

Key Features:

- High performance and precision.
- Size: 1/2 inch drive, 12mm socket.
- Forged from high-resistance chrome vanadium steel.
- Chrome finish resistant to oxidation.
- Features MAX* system for enhanced performance.
- Provides 15% more torque and high resistance to damage.
- Designed to easily turn worn, rounded, and rusted fasteners.

Components Included:

- One (1) STANLEY 4-86-420 Long Stripped Socket 1/2" 12MM.



Image: STANLEY 4-86-420 Long Stripped Socket, 1/2 inch drive, 12mm size, made of chrome vanadium steel with a chrome finish.

SETUP

The STANLEY 4-86-420 Long Stripped Socket is a ready-to-use tool. No assembly is required. Ensure you have a compatible 1/2 inch drive ratchet, breaker bar, or torque wrench for proper operation.

1. **Select the correct drive tool:** Attach the 1/2 inch drive end of the socket to a matching 1/2 inch drive ratchet or wrench.
2. **Verify fastener size:** Ensure the 12mm socket size matches the hexagonal bolt or nut you intend to work with.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective use of your STANLEY Long Stripped Socket:

1. **Safety First:** Always wear appropriate personal protective equipment, such as safety glasses, when using hand tools.
2. **Attach Socket:** Firmly attach the 12mm socket end onto the hexagonal fastener (bolt or nut). Ensure it is fully seated to prevent slipping.
3. **Apply Force:** Using your 1/2 inch drive ratchet or wrench, apply steady and controlled force to turn the fastener. For tightening, turn clockwise; for loosening, turn counter-clockwise.
4. **Utilize MAX* System:** The MAX* system allows for better grip on worn or rounded fasteners. Position the socket carefully to engage the fastener's remaining edges.
5. **Avoid Over-tightening:** When tightening, refer to manufacturer specifications for torque values to prevent damage to the fastener or component.
6. **Remove Socket:** Once the task is complete, carefully remove the socket from the fastener and the drive tool.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your socket:

- **Cleaning:** After each use, wipe the socket clean with a dry cloth to remove dirt, grease, or debris. For stubborn grime, use a mild solvent and then dry thoroughly.
- **Storage:** Store the socket in a dry environment to prevent rust. A tool box or drawer is ideal.
- **Inspection:** Periodically inspect the socket for any signs of wear, cracks, or damage. Discontinue use if damage is observed to prevent injury or further damage to fasteners.
- **Lubrication:** No lubrication is required for the socket itself.

TROUBLESHOOTING

Sockets are generally simple tools, but here are some common issues and their solutions:

Problem	Possible Cause	Solution
Socket slips on fastener	Incorrect size, worn fastener, or improper seating.	Ensure correct 12mm size. Fully seat the socket. If fastener is severely worn, consider a specialized extraction tool or the MAX* system's ability to grip worn fasteners.

Problem	Possible Cause	Solution
Socket stuck on drive tool	Dirt or debris in drive square, or tight fit.	Clean the drive square of both socket and tool. Apply slight twisting motion while pulling.

SPECIFICATIONS

- **Brand:** Stanley
- **Model Number:** 4-86-420
- **Material:** Chrome Vanadium Steel
- **Finish Type:** Chrome Plated
- **Drive System:** External Hexagonal
- **Drive Size:** 1/2 inch
- **Socket Size:** 12mm
- **Item Weight:** 106 Grams
- **Special Features:** MAX* System for improved grip on worn fasteners, 15% higher torque resistance.

WARRANTY AND SUPPORT

For information regarding warranty coverage, product support, or to contact customer service, please refer to the official Stanley website or your local retailer. Keep your purchase receipt as proof of purchase.

Manufacturer: STANLEY BLACK & DECKER