

## Stahlwille 01020004

# Stahlwille 01020004 4mm Deep Hex Socket Instruction Manual

Model: 01020004 | Brand: Stahlwille

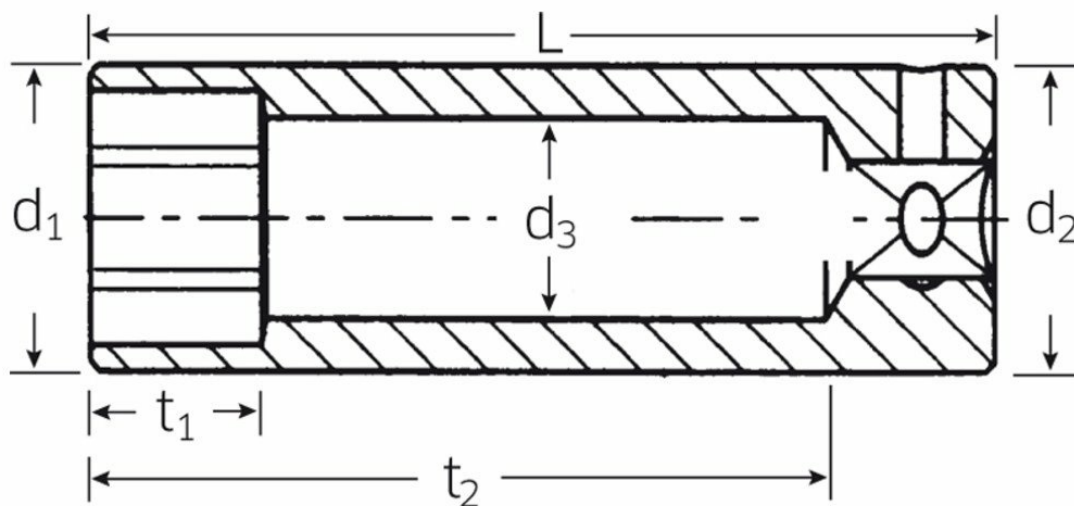
## 1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of your Stahlwille 01020004 4mm Deep Hex Socket. Designed for precision and durability, this 1/4 inch drive, 6-point socket is crafted from HPQ high-performance steel and features a chrome-plated finish. Adhering to DIN 3124/ISO 2725-1 standards, it is engineered for reliable performance in various applications.

The deep socket design allows access to fasteners that standard sockets cannot reach, making it suitable for specific mechanical tasks. Stahlwille products are manufactured in Germany under stringent quality control, ensuring high-grade materials and precise tolerances.

## 2. PRODUCT FEATURES

- **High-Performance Steel:** Constructed from HPQ high-performance steel, offering exceptional resilience while maintaining a thin-walled design.
- **Anti-Slip Drive:** Features a special Anti-Slip Drive mechanism that facilitates high transmission of force to fastener flats without causing damage.
- **Deep Socket Design:** Provides extended reach for fasteners located in recessed or difficult-to-access areas.
- **Chrome Plated:** Enhances durability and corrosion resistance.
- **Standard Compliance:** Compliant with German quality standard DIN 3124/ISO 2725-1.
- **Made in Germany:** Manufactured with advanced techniques and high-grade materials in Germany.



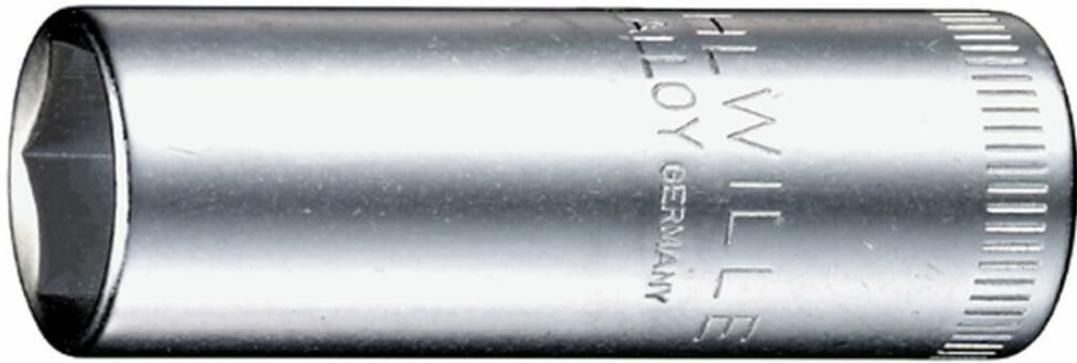
*Image: Illustration representing Stahlwille's commitment to quality manufacturing.*

### 3. SETUP

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The Stahlwille 01020004 Deep Hex Socket is designed for use with 1/4 inch drive tools. To set up the socket:

1. Select a compatible 1/4 inch drive ratchet, extension bar, or other drive tool.
2. Align the square drive opening of the socket with the drive end of your chosen tool.
3. Push the socket firmly onto the drive tool until it clicks into place, ensuring a secure connection.



*Image: The Stahlwille 01020004 4mm Deep Hex Socket, ready for attachment to a drive tool.*

## 4. OPERATING INSTRUCTIONS

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To effectively use the deep hex socket for fastening or unfastening nuts and bolts:

1. Ensure the socket size (4mm) matches the fastener you intend to work with.
2. Place the socket squarely over the head of the nut or bolt. The deep design allows engagement even if the fastener is recessed or has an extended shaft.
3. Apply rotational force using your drive tool. The Anti-Slip Drive feature is designed to grip the flats of the fastener securely, minimizing the risk of rounding off corners and ensuring efficient torque transmission.
4. For tightening, turn clockwise until the desired torque is achieved (refer to fastener specifications for appropriate torque values). For loosening, turn counter-clockwise.



*Image: A close-up view of the 4mm hex opening of the deep socket, highlighting its design for secure fastener engagement.*

## 5. MAINTENANCE

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Proper maintenance extends the life and performance of your Stahlwille socket:

- **Cleaning:** After use, wipe the socket clean with a dry cloth to remove dirt, grease, or debris. For stubborn grime, a mild solvent or degreaser can be used, followed by thorough drying.
- **Storage:** Store the socket in a dry environment to prevent corrosion. Keep it organized in a tool tray or box to protect it from impacts and loss.
- **Inspection:** Periodically inspect the socket for any signs of wear, cracks, or damage. Discontinue use if any damage is observed to prevent injury or damage to fasteners.

## 6. TROUBLESHOOTING

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While Stahlwille sockets are designed for reliability, consider the following if issues arise:

- **Socket Does Not Fit Fastener:** Ensure the fastener size is exactly 4mm. Using an incorrect size can damage both the socket and the fastener.
- **Socket Slips on Fastener:** Verify that the socket is fully seated on the fastener head. If the fastener head is

rounded or damaged, the socket may not grip properly. The Anti-Slip Drive feature minimizes this risk, but severely damaged fasteners may still pose a challenge.

- **Socket Does Not Attach to Drive Tool:** Check that your drive tool is a 1/4 inch square drive. Ensure there is no obstruction in the socket's drive opening or on the drive tool.

## 7. SPECIFICATIONS

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Attribute	Value
Model Number	01020004
Socket Size	4 mm
Drive Size	1/4 Inch
Points	6 Point (Hex)
Length	50 mm (1.97 Inches)
Material	HPQ High-Performance Steel (Stainless Steel)
Finish Type	Chrome Plated
Weight	14g (0.49 ounces)
Compliance	DIN 3124/ISO 2725-1
Manufacturer	Stahlwille
Country of Origin	Germany



*Image: Technical view of the Stahlwille Deep Hex Socket, illustrating its form and dimensions.*

## **8. WHAT'S IN THE BOX**

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- One (1) Stahlwille 1/4" Drive Deep Hex Socket, 4 mm size, 50 mm Length