

## HH FASTENERS SCS8

# HH FASTENERS M8 x 14mm Hex Socket Head Cap Screws Instruction Manual

Model: SCS8

## 1. INTRODUCTION

This manual provides essential information for the proper use, installation, and maintenance of HH FASTENERS M8 x 14mm Hex Socket Head Cap Screws. These fasteners are designed for various applications requiring strong, reliable connections.

## 2. PRODUCT OVERVIEW

The HH FASTENERS M8 x 14mm Hex Socket Head Cap Screws are precision-engineered fasteners made from durable stainless steel. They feature a knurled button head and a full metric thread, conforming to DIN 912 standards. These screws are commonly used in automotive, mold, machinery, electronics, and construction industries due to their ability to generate high clamping force and resist loosening.



*Image 2.1: A pack of HH FASTENERS M8 x 14mm Hex Socket Head Cap Screws, showcasing their stainless steel finish and knurled heads.*

### Key Features:

- **Size:** M8 x 14mm
- **Material:** Stainless Steel

- **Head Type:** Hex Socket Cap Head (Button Head)
- **Thread:** Full Thread, Right Hand, Metric (Thread Dia. 8mm, Length: 14mm, Pitch: 1.25mm)
- **Drive Type:** Hex Wrench (Allen key)
- **Standard:** DIN 912

### 3. SPECIFICATIONS

| Attribute               | Detail                          |
|-------------------------|---------------------------------|
| Model Number            | SCS8                            |
| Size                    | M8 x 14mm                       |
| Thread Diameter         | 8mm                             |
| Thread Length           | 14mm                            |
| Thread Pitch            | 1.25mm                          |
| Material                | Stainless Steel                 |
| Head Style              | Button, Hex Socket              |
| Thread Type             | Metric, Full Thread, Right Hand |
| Standard                | DIN 912                         |
| Color                   | Silver                          |
| Item Weight (per piece) | Approximately 0.01 Ounces       |
| Quantity per Pack       | 10-Piece                        |



Image 3.1: A closer view of the M8 Hex Socket Head Cap Screws, highlighting the hex drive and thread details.

### 4. INSTALLATION GUIDELINES

Proper installation is crucial for the performance and longevity of these fasteners. Follow these guidelines for secure application:

1. **Required Tool:** Use an appropriate size hex wrench (Allen key) for the M8 hex socket head. Ensure the wrench is in

good condition to prevent stripping the socket.

2. **Pre-Drilling:** For applications into solid materials, ensure a pilot hole is drilled to the correct diameter and depth to accommodate the M8 thread.
3. **Alignment:** Align the screw carefully with the threaded hole or nut to prevent cross-threading. Start threading by hand to ensure proper engagement.
4. **Tightening:** Tighten the screw using the hex wrench. Apply even, controlled force. Avoid over-tightening, which can strip threads or damage the material, and under-tightening, which can lead to loose connections. The goal is to achieve sufficient clamping force for the application.
5. **Material Compatibility:** Ensure the mating material is compatible with stainless steel fasteners to prevent galvanic corrosion in certain environments.



*Image 4.1: A single M8 Hex Socket Head Cap Screw, illustrating the full thread and button head design.*

## 5. OPERATING PRINCIPLES

---

These cap screws function by creating a strong clamping force between two or more components when tightened. The full thread design maximizes engagement with the mating material, contributing to a secure and stable connection. The mating surfaces between the screw and the component resist the applied force, which helps prevent the mechanical connection from loosening over time, even under vibration or stress.

The selection of the correct cap screw size and material is critical and depends on the specific forces and environmental conditions the connection will experience. Stainless steel offers excellent corrosion resistance, making these screws suitable for various indoor and outdoor applications.

## 6. MAINTENANCE

---

HH FASTENERS M8 x 14mm Hex Socket Head Cap Screws are designed for durability and require minimal maintenance. However, periodic inspection can ensure continued performance:

- **Inspection:** Periodically check fastened connections for any signs of loosening, corrosion, or damage to the screw head or threads.
- **Cleaning:** If exposed to harsh environments, clean the screws as needed to remove dirt, debris, or corrosive substances. Use a mild cleaner and a soft cloth.
- **Re-tightening:** If a connection appears loose, re-tighten the screw to the appropriate torque. Avoid excessive force.
- **Storage:** Store unused screws in a dry environment to prevent potential surface discoloration, although stainless steel is highly resistant to rust.

## 7. TROUBLESHOOTING

---

This section addresses common issues that may arise during the use of hex socket head cap screws.

**Issue: Screw head stripping during tightening.**

**Possible Causes:**

- Incorrect hex wrench size or worn wrench.
- Excessive torque applied.
- Misalignment during tightening.

**Solution:** Ensure you are using the correct size, high-quality hex wrench. Apply steady, controlled force. If the head begins to strip, stop immediately and assess the situation. Replace damaged screws.

**Issue: Connection loosening over time.**

**Possible Causes:**

- Insufficient initial tightening torque.
- Vibration or dynamic loads.
- Material creep or settlement.

**Solution:** Re-tighten the screw to the appropriate torque. Consider using thread-locking compounds or lock washers for applications subject to high vibration or dynamic loads. Ensure the screw length is adequate for full thread engagement.

**Issue: Corrosion or discoloration.**

**Possible Causes:**

- Exposure to highly corrosive chemicals or environments beyond stainless steel's resistance.
- Contact with dissimilar metals (galvanic corrosion).
- Surface contamination.

**Solution:** While stainless steel is corrosion-resistant, it is not corrosion-proof in all conditions. Ensure the environment is suitable for stainless steel. Avoid direct contact with certain dissimilar metals without proper insulation. Clean any surface contaminants promptly.

**8. WARRANTY AND SUPPORT**

Specific warranty information for HH FASTENERS M8 x 14mm Hex Socket Head Cap Screws is not provided in the available product data. For any inquiries regarding product specifications, application guidance, or potential defects, please contact HH FASTENERS directly through their official channels or your point of purchase. For general information about HH FASTENERS products, you may visit their brand page:[HH FASTENERS on Amazon](#).

© 2023 HH FASTENERS. All rights reserved.

This manual is for informational purposes only. HH FASTENERS is not responsible for any damages or injuries resulting from improper use or installation of this product.

**ASK A QUESTION ABOUT THIS MANUAL**

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**