

[Manuals.plus](#) /

› [HH FASTENERS](#) /

› HH FASTENERS M8 x 50mm Hex Socket Head Cap Screws Instruction Manual

HH FASTENERS M8 x 50mm

HH FASTENERS M8 x 50mm Hex Socket Head Cap Screws Instruction Manual

INTRODUCTION

This instruction manual provides essential information for the proper use, installation, and maintenance of HH FASTENERS M8 x 50mm Hex Socket Head Cap Screws. These fasteners are designed for various applications requiring strong, reliable connections.



Image: A pack of M8 x 50mm Hex Socket Head Cap Screws, showcasing their full thread and hex socket head design.

PRODUCT FEATURES

- **Size:** M8 x 50mm Hex Socket Cap Head Screws.
- **Material:** Stainless Steel for corrosion resistance.

- **Thread Specifications:** Thread Diameter 8mm, Thread Length 50mm, Thread Pitch 1.25mm.
- **Thread Type:** Full Thread, Right Hand, Metric.
- **Drive Type:** Internal Hex (requires a hex wrench/Allen key).
- **Head Style:** Button Head.

SPECIFICATIONS

Specification	Detail
Model Number	SCS8
Fastener Size	M8
Length	50mm
Material	Stainless Steel
Head Style	Button Head, Hex Socket
Thread Coverage	Fully Threaded
Thread Style	Right Hand, Metric
Standard	DIN 912
Number of Pieces	10

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of these fasteners. Follow these guidelines:

1. **Select the Correct Tool:** Use an appropriately sized hex wrench (Allen key) that fits snugly into the screw's internal hex drive. An ill-fitting tool can strip the drive.
2. **Prepare the Hole:** Ensure the receiving hole is correctly sized and threaded (if applicable) for an M8 metric screw. For through-holes, ensure proper clearance.
3. **Initial Engagement:** Start threading the screw by hand to ensure it engages correctly and to prevent cross-threading.
4. **Tightening:** Use the hex wrench to tighten the screw. Apply even pressure. If a specific torque value is required for your application, use a torque wrench to achieve it. Over-tightening can damage the screw or the material it's fastening.
5. **Avoid Over-tightening:** Stainless steel fasteners can be susceptible to galling (cold welding) if over-tightened, especially in stainless steel mating components. Consider anti-seize compounds for critical applications.



Image: A close-up view of the hex socket head of an M8 screw, illustrating the internal drive mechanism.

OPERATING AND USAGE

These M8 x 50mm Hex Socket Head Cap Screws are designed for applications requiring a strong, flush, or low-profile fastening solution. They are commonly used in:

- Automotive assemblies
- Machinery and equipment
- Electronic enclosures
- Construction industry applications
- Mold and die manufacturing

Ensure the load applied to the fastener does not exceed its material strength and design limits. The full thread design provides maximum engagement along the entire length of the screw within the mating component.

MAINTENANCE

While stainless steel offers good corrosion resistance, periodic inspection and maintenance can extend the lifespan and ensure the reliability of the fasteners:

- **Inspection:** Regularly check fasteners for signs of loosening, corrosion, or damage, especially in high-vibration or corrosive environments.
- **Cleaning:** Clean any dirt, debris, or corrosive substances from the screw heads and threads. Use appropriate cleaning agents for stainless steel.
- **Re-tightening:** If fasteners are found to be loose, re-tighten them to the recommended torque specifications.
- **Replacement:** Replace any screws that show signs of significant corrosion, thread damage, or head stripping to prevent failure.

TROUBLESHOOTING

Common issues encountered with fasteners and their potential solutions:

- **Screw Not Engaging:**
 - Check if the hole is properly threaded or if the screw diameter matches the hole.
 - Ensure no debris is obstructing the threads.

- **Cross-threading:**

- Occurs when the screw is inserted at an angle. Always start threading by hand to ensure proper alignment.
- If cross-threaded, remove the screw and inspect both the screw and the hole for damage. Re-tap the hole if necessary.

- **Stripped Hex Socket:**

- Caused by using an incorrect size hex wrench or excessive torque.
- Use the correct tool and apply steady, even pressure when tightening.

- **Galling (Cold Welding):**

- More common with stainless steel fasteners, especially when fastening into stainless steel.
- Can be mitigated by using anti-seize lubricants, reducing tightening speed, and avoiding excessive torque.

- **Loosening Over Time:**

- Can be due to vibration, thermal expansion/contraction, or insufficient torque.
- Consider using thread-locking compounds, lock washers, or higher torque (within limits) for applications prone to loosening.

SAFETY INFORMATION

Always observe safety precautions when working with fasteners and tools:

- Wear appropriate personal protective equipment (PPE), such as safety glasses, to protect against flying debris.
- Ensure tools are in good condition and correctly sized for the fastener.
- Do not exceed the recommended torque specifications for the fastener or the material being joined.
- Keep fasteners out of reach of children to prevent choking hazards.
- Handle fasteners carefully to avoid cuts or punctures from sharp threads.

WARRANTY AND SUPPORT

HH FASTENERS products are manufactured to high-quality standards. For any questions regarding the application, specifications, or performance of these M8 x 50mm Hex Socket Head Cap Screws, please refer to the product listing or contact your supplier for further assistance. Specific warranty details, if applicable, are typically provided at the point of purchase or on the manufacturer's official website.

HH FASTENERS M8 x 50mm Hex Socket Head Cap Screws Instruction Manual. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B01H5MD24G>

More documents and user manuals: <https://manuals.plus/>