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› Hillman 126401 Round Head Square Drive Machine Screw 1/4-20X1-1/4 Instruction Manual

## Hillman 126401

# Hillman 126401 Round Head Square Drive Machine Screw 1/4-20X1-1/4 Instruction Manual

Model: 126401

### INTRODUCTION

The Hillman 126401 machine screws are designed for securely fastening metal parts together. These screws are typically used with nuts of the same finish and threading, or directly into a pre-threaded receptacle. This manual provides essential information for the correct handling, installation, and maintenance of your machine screws.



Image: A close-up view of the Hillman 126401 Round Head Square Drive Machine Screw, showing its zinc-plated finish and square drive head.

### SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as safety glasses, when working with fasteners and tools.
- Ensure the work area is well-lit and clear of obstructions.
- Keep fasteners out of reach of children and pets.
- Do not use damaged or corroded screws, as this can compromise the integrity of the fastening.

### SETUP AND PREPARATION

1. **Identify Correct Tools:** Use a square drive screwdriver that properly fits the screw head to prevent stripping.
2. **Select Compatible Components:** Ensure that the nuts or threaded receptacles you intend to use have the correct thread size (1/4-20) and are compatible with the screw's material and finish.
3. **Prepare Surfaces:** Ensure that the surfaces to be joined are clean, dry, and free from debris or burrs that could interfere with proper seating of the screw.
4. **Check Material Compatibility:** These screws are suitable for various indoor and outdoor projects. Verify that the materials being fastened are appropriate for machine screws.

## OPERATING AND INSTALLATION

Follow these steps for proper installation of the machine screws:

1. **Align Components:** Position the parts to be fastened so that the holes align perfectly.
2. **Insert Screw:** Insert the machine screw through the aligned holes.
3. **Engage Thread:** If using a nut, thread it onto the screw by hand until it catches. If screwing into a threaded receptacle, ensure the screw is straight and begins to engage the threads smoothly.
4. **Fasten with Screwdriver:** Use a square drive screwdriver to tighten the screw. Turn clockwise to tighten.
5. **Avoid Over-tightening:** Tighten the screw until it is snug and secure. Over-tightening can strip the threads of the screw or the receptacle, or damage the fastened material. The square drive system helps reduce the risk of cam-out and over-tightening.
6. **Verify Security:** After tightening, gently check the connection to ensure it is firm and stable.

## MAINTENANCE

Machine screws generally require minimal maintenance once installed correctly. However, proper storage and occasional inspection are recommended:

- **Storage:** Store unused screws in a dry environment to prevent corrosion. The zinc plating provides good resistance, but prolonged exposure to moisture can still lead to degradation.
- **Inspection:** Periodically inspect fastened connections, especially in outdoor or high-stress applications, to ensure screws remain tight and show no signs of loosening or corrosion.

## TROUBLESHOOTING

- **Screw Will Not Tighten:**
  - *Possible Cause:* Stripped threads on the screw or the receptacle/nut.
  - *Solution:* Replace the screw and/or the nut/receptacle. Ensure correct thread size and avoid over-tightening during installation.
- **Screw Head Strips:**
  - *Possible Cause:* Incorrect screwdriver size or excessive torque.
  - *Solution:* Use the correct square drive screwdriver size. Apply steady, even pressure while turning.
- **Connection Feels Loose:**
  - *Possible Cause:* Insufficient tightening or material compression over time.
  - *Solution:* Re-tighten the screw carefully, ensuring not to over-tighten. If the issue persists, inspect for stripped threads or damaged components.

## SPECIFICATIONS

| Feature | Specification |
|---------|---------------|
|---------|---------------|

|                 |                   |
|-----------------|-------------------|
| Model Number    | 126401            |
| Brand           | Hillman           |
| Material        | Zinc              |
| Head Style      | Round             |
| Drive System    | Square            |
| Thread Size     | 1/4-20            |
| Fastener Size   | 1/4 in x 1-1/4 in |
| Exterior Finish | Zinc Plated       |
| Thread Coverage | Fully Threaded    |
| UPC             | 008236884715      |

SUPPORT

For further assistance or inquiries regarding Hillman products, please visit the official Hillman website or contact their customer support. You can find more information at the [Hillman Store on Amazon](#).

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

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