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Hillman 47219

Hillman Group 47219 12-14 x 1-Inch Hex Washer Head Self-Drilling Screw User Manual

Model: 47219 | **Brand:** Hillman

Introduction

This manual provides instructions for the proper use and care of The Hillman Group 47219 12-14 x 1-Inch Hex Washer Head Self-Drilling Screw. Self-drilling screws are designed with a drill point on the end, enabling them to create their own pilot hole and fasten into thin gauge metal in a single operation.

Product Features

- **Integrated Drilling and Fastening:** Designed to drill its own pilot hole and tap threads in one motion, eliminating the need for pre-drilling.
- **Hex Washer Head:** Provides a secure driving surface and a broad bearing area for improved pull-through resistance.
- **Zinc Plated Steel Construction:** Offers durability and corrosion resistance for various applications.
- **Versatile Application:** Suitable for fastening into thin gauge metal materials.
- **Size:** 12-14 x 1-inch dimensions for specific fastening requirements.

Setup and Installation

The Hillman Group 47219 self-drilling screw simplifies fastening by combining drilling and tapping into one step. Follow these guidelines for proper installation:

1. **Safety First:** Always wear appropriate personal protective equipment, including safety glasses, during installation.
2. **Select Proper Driver:** Use a power drill or impact driver equipped with a hex bit that matches the screw's hex washer head size.
3. **Positioning:** Place the drill point of the screw directly onto the surface of the thin gauge metal where fastening is desired.
4. **Driving:** Apply firm, consistent pressure and drive the screw at a moderate speed. The drill point will create the hole, and the threads will engage and secure the material.
5. **Avoid Over-tightening:** Stop driving once the screw head is flush with the material surface to prevent stripping the

threads or damaging the material.



A close-up view of the Hillman Group 47219 self-drilling screw, showcasing its hex washer head, zinc coating, and drill point.

Operation

The self-drilling screw operates by utilizing its specialized drill point to cut through the material before the threads engage. This process eliminates the need for a separate drilling step, streamlining the fastening process. As the screw rotates, the drill point creates a hole, and the subsequent threads tap into the newly formed hole, creating a secure connection. Ensure the material thickness is appropriate for the screw's drilling capacity to achieve optimal performance.

Maintenance

These self-drilling screws require minimal maintenance. To ensure their longevity and performance:

- **Storage:** Store screws in a dry environment to prevent moisture exposure, which can compromise the zinc plating and lead to corrosion.
- **Inspection:** Before use, visually inspect screws for any signs of damage, corrosion, or dullness of the drill point. Do not use damaged screws.

Troubleshooting

If you encounter issues during installation, consider the following:

- **Screw Not Drilling:**
  - Ensure the material thickness is within the screw's recommended capacity.
  - Verify that the drill point is not dull or damaged.
  - Apply adequate, consistent pressure during driving.
- **Screw Stripping:**
  - Reduce the driving speed and torque.
  - Ensure the hex bit is correctly seated in the screw head to prevent cam-out.
  - Avoid over-tightening; stop once the screw is snug.

Specifications

Model Number	47219
Brand	Hillman
Material	Steel
Exterior Finish	Zinc
Head Style	Hex Washer
Point Style	Self-Drill Point
Fastener Type	Self-Drilling Screws
Size	#12-24 x 1 inch
Thread Size	#12
Item Weight (per screw)	0.176 ounces
UPC	008236519440

Warranty Information

No specific warranty information is provided for this product. For details regarding product guarantees or returns, please refer to the retailer's policy at the point of purchase.

Support Information

For product inquiries, technical assistance, or further information regarding The Hillman Group products, please contact the manufacturer directly or visit their official website.
Manufacturer: The Hillman Group
Website: Hillman Store on Amazon

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