

Hillman 180426

Hillman 180426 Grade 8 Hex Nut

INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the proper handling, installation, and care of your Hillman 180426 Grade 8 Hex Nuts. These fasteners are designed for general applications, offering secure connections when used with compatible bolts and washers. Please read this manual thoroughly before use to ensure safe and effective application.

2. Safety Information

Always observe the following safety precautions when working with fasteners:

- **Wear appropriate personal protective equipment (PPE)**, including safety glasses and gloves, to prevent injury from sharp edges or debris.
- **Use correct tools** for installation and removal to avoid damaging the nut or bolt.
- **Ensure proper thread engagement.** Insufficient thread engagement can lead to fastener failure.
- **Do not overtighten.** Overtightening can strip threads or weaken the fastener. Refer to torque specifications for your specific application if available.
- **Keep out of reach of children** to prevent choking hazards.

3. Product Overview

The Hillman 180426 is a Grade 8 hex nut, manufactured from zinc for durability and corrosion resistance. It features a left-hand thread, which is important for compatibility with corresponding left-hand threaded bolts. These nuts are commonly utilized in construction, such as deck and fence building, where a strong and reliable fastening solution is required.



Image of the Hillman Grade 8 Hex Nut, model 180426, showing its hexagonal shape and zinc finish.

Key Features:

- **Grade 8 Strength:** Indicates high tensile strength for demanding applications.
- **Zinc Material:** Provides good corrosion resistance.
- **Left-Hand Thread:** Specific threading for specialized applications.
- **Hexagonal Shape:** Designed for easy gripping and turning with wrenches.

4. Installation and Usage

Follow these steps for proper installation of the hex nut:

1. **Select Compatible Components:** Ensure the bolt and washer you are using have the same diameter, thread pitch, and finish as the hex nut. Crucially, verify that the bolt also has a **left-hand thread** to match the nut.
2. **Prepare the Connection:** Clean the threads of the bolt and the mating surface to ensure a smooth and secure fit.
3. **Position the Washer (if applicable):** Place a washer under the nut to distribute the load and protect the material surface, if required by your application.

- 4. **Thread the Nut:** Start threading the hex nut onto the bolt by hand. Since it is a left-hand thread, turn the nut **counter-clockwise** to tighten. Ensure it engages smoothly without cross-threading.
- 5. **Tighten with a Wrench:** Once hand-tight, use an appropriately sized wrench to tighten the nut. Apply even pressure. Avoid overtightening, which can damage the threads or the components being joined.
- 6. **Verify Security:** After tightening, ensure the connection is firm and stable.

Typical Applications: These hex nuts are suitable for general fastening in various projects, including:

- Deck construction
- Fence building
- General repairs and assemblies requiring a Grade 8, left-hand threaded fastener.

5. Care and Storage

To maintain the integrity and performance of your hex nuts:

- **Store in a Dry Environment:** Keep nuts in a dry place to prevent moisture accumulation, which can lead to corrosion over time, despite the zinc finish.
- **Organize:** Store nuts separately from other fastener types and sizes to prevent mixing and ensure easy identification of the correct thread type (left-hand).
- **Inspect Before Use:** Before each use, visually inspect nuts for any signs of damage, corrosion, or stripped threads. Do not use damaged fasteners.

6. Specifications

Specification	Detail
Model Number	180426
Brand	Hillman
Material	Zinc
Fastener Type	Hex Nut
Exterior Finish	Zinc
Finish Type	Grey
Thread Type	National Pipe Straight Locknut
Inside Thread Size	#1 X #8 X #10
Thread Style	Left Hand
Grade Rating	Grade 8
Item Dimensions	4.18 x 4.18 x 3.31 inches (packaging)
UPC	008236073904

7. Support Information

For further assistance or inquiries regarding your Hillman 180426 Grade 8 Hex Nuts, please contact Hillman customer support. While specific warranty details are not provided, general product support can be obtained through the manufacturer's official channels.

Manufacturer: The Hillman Group

Website: www.hillmangroup.com (Please refer to the website for contact information and support resources.)

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