

Armstrong 12-849

Armstrong 12-849 1-11/16-Inch, 1/2-Inch Drive Crowfoot Flare Nut Wrench Instruction Manual

INTRODUCTION

This manual provides essential instructions for the proper use and maintenance of your Armstrong 12-849 Crowfoot Flare Nut Wrench. Designed for precision and durability, this tool is intended for professional and DIY applications requiring access to hard-to-reach fasteners, particularly flare nuts in closed systems.

Please read this manual thoroughly before using the wrench to ensure safe and effective operation.

PRODUCT OVERVIEW

The Armstrong 12-849 is a specialized crowfoot flare nut wrench, crafted from alloy steel for strength and longevity. It features a 1-11/16-inch opening and is designed for use with 1/2-inch drive tools. Its primary function is to engage flare nuts in confined spaces without rounding their corners.



This image displays the Armstrong 12-849 Crowfoot Flare Nut Wrench. It is a chrome-plated, open-ended wrench head designed to attach to a 1/2-inch drive tool. The wrench opening is 1-11/16 inches, featuring a 12-point internal grip pattern suitable for flare nuts. A square opening for the drive tool is visible on the side.

Key Features:

- **Access to Hard-to-Reach Fasteners:** Designed to connect to a drive tool, providing extended reach.
- **Flare Nut Specific Design:** Ideal for gripping flare nuts in closed systems such as hydraulic, fuel, or air lines.
- **Prevents Rounding:** Specially engineered to turn soft flare nuts without damaging their corners.
- **Durable Construction:** Precision cold-formed from special alloy steel for consistent dimensions and enhanced strength.
- **Made in the USA:** Ensures quality and availability.

SETUP

1. **Select Appropriate Drive Tool:** Ensure you have a 1/2-inch square drive tool (e.g., ratchet, extension bar, torque wrench) that is compatible with the crowfoot wrench.
2. **Attach Crowfoot Wrench:** Align the square drive opening of the crowfoot wrench with the drive end of your chosen tool. Push firmly until the wrench is securely seated.
3. **Verify Connection:** Gently pull on the crowfoot wrench to confirm it is firmly attached and will not slip.

during use.

OPERATING INSTRUCTIONS

The Armstrong 12-849 Crowfoot Flare Nut Wrench is designed for specific applications where traditional wrenches cannot reach or properly engage flare nuts.

- 1. Identify Target Fastener:** Locate the 1-11/16-inch flare nut that needs to be tightened or loosened.
- 2. Position the Wrench:** Carefully slide the open end of the crowfoot wrench over the flare nut. Ensure the wrench fully engages all sides of the nut to prevent slippage and damage.
- 3. Apply Force:** Using your attached drive tool, apply steady and controlled force to turn the flare nut. For tightening, refer to the manufacturer's torque specifications for the component you are working on.
- 4. Avoid Over-tightening:** Flare nuts, especially on hydraulic or fuel lines, can be sensitive. Over-tightening can damage the nut or the line.
- 5. Remove Wrench:** Once the task is complete, carefully remove the crowfoot wrench from the flare nut and then detach it from the drive tool.

MAINTENANCE

- Cleaning:** After each use, wipe the wrench clean with a dry cloth to remove any dirt, grease, or debris. For stubborn grime, a mild solvent can be used, followed by thorough drying.
- Storage:** Store the wrench in a dry environment to prevent corrosion. A tool chest or drawer is ideal.
- Inspection:** Periodically inspect the wrench for any signs of wear, cracks, or damage. Discontinue use if any damage is found that could compromise its integrity or safety.

TROUBLESHOOTING

- Wrench slips on nut:** Ensure the wrench size (1-11/16 inch) matches the flare nut exactly. Confirm the wrench is fully seated on the nut before applying force. The nut may be severely rounded; consider using a specialized nut extractor if necessary.
- Difficulty attaching to drive tool:** Check that the drive tool is a 1/2-inch square drive. Ensure there is no debris in the crowfoot wrench's drive opening.
- Nut still hard to turn:** For seized nuts, apply penetrating oil and allow it to soak. Ensure you are applying sufficient, but not excessive, leverage.

SPECIFICATIONS

Attribute	Detail
Model Number	12-849
Wrench Size	1-11/16 inches
Drive Size	1/2-inch
Material	Alloy Steel

Attribute	Detail
Finish	Powder Coated (Silver)
Item Weight	5.8 ounces (approx.)
Product Dimensions	3.63 x 2.31 x 1 inches (approx.)
Head Style	Fixed Square
Operation Mode	Hydraulic (for applications)
UPC	781412128499

WARRANTY INFORMATION


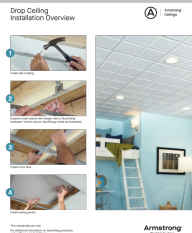

This Armstrong 12-849 Crowfoot Flare Nut Wrench is proudly made in the U.S.A. and comes with **lifetime warranty**. This warranty covers defects in material and workmanship under normal use. For warranty claims or further details, please contact the manufacturer directly.

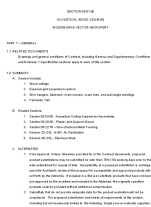
SUPPORT AND CONTACT

For technical assistance, product inquiries, or warranty service, please refer to the contact information provided by the manufacturer, Armstrong. You can typically find this information on their official website or product packaging.

Always ensure you are using the correct tool for the job and follow all safety guidelines.

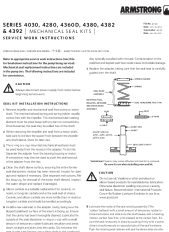
Related Documents - 12-849

	<p>Armstrong IVS 102 Instruction Manual 1.1-90 kW</p> <p>This comprehensive instruction manual provides detailed guidance for the Armstrong IVS 102 frequency converter series (1.1-90 kW). It covers safe installation, commissioning, operation, safety protocols, electrical and mechanical specifications, and troubleshooting for reliable motor control.</p>
	<p>Armstrong Drop Ceiling Installation Overview: A Step-by-Step Guide</p> <p>Learn how to install an Armstrong drop ceiling with this concise overview. Covers wall molding, main beams, cross tees, and ceiling panel installation for residential use. Features QuickHang™ hardware.</p>
	<p>WoodWorks® Concealed Trim Installation Guide Armstrong</p> <p>Comprehensive installation guide for Armstrong's WoodWorks® Concealed Trim system. Learn how to properly install this architectural ceiling trim for WoodWorks® Concealed and Linear Veneered Panels.</p>



WOODWORKS Vector MicroPerf Acoustical Wood Ceilings Specification

Comprehensive specifications for Armstrong's WOODWORKS Vector MicroPerf acoustical wood ceiling panels and suspension systems, detailing product attributes, installation, quality assurance, and warranty for architectural applications.



Armstrong Series 4030-4392 Mechanical Seal Kits: Service Work Instructions

Detailed service work instructions for Armstrong mechanical seal kits used with Series 4030, 4280, 4360D, 4380, 4382, and 4392 pumps. Includes installation procedures, component identification, material specifications, and contact information.



[Armstrong HVAC Technical Tips and Service Bulletins](#)

Collection of Armstrong Air Conditioning technical tips and service bulletins covering ignition control enhancements, continuous blower operation, compressor details, filter sizing, wiring, roof curbs, and troubleshooting for PGE, PHP, PCE, and SHP HVAC units.