

[Manuals.plus](#) /

› [Ingersoll Rand](#) /

› Ingersoll Rand 236G 1/2-inch Air Impact Wrench Instruction Manual

Ingersoll Rand 236G

Ingersoll Rand 236G 1/2-inch Air Impact Wrench Instruction Manual

Model: 236G

1. PRODUCT OVERVIEW

The Ingersoll Rand 236G 1/2-inch Air Impact Wrench is a robust pneumatic tool designed for various fastening and loosening applications, particularly in automotive and general repair tasks. It features a durable single hammer impact mechanism and a 2-piece construction for easy servicing.



Figure 1: Ingersoll Rand 236G 1/2-inch Air Impact Wrench, showing its pistol grip design.

Key Features:

- **Durable Single Hammer Impact Mechanism:** Ensures longevity and consistent performance.
- **Long-Life Aluminum Housing:** Provides durability and reduces overall tool weight.
- **Ergonomic Grip:** Designed to reduce vibration and enhance user comfort during extended operation.
- **Powerful 6-Vane Motor:** Delivers reliable power for demanding tasks.
- **Handle Exhaust:** Directs exhaust air away from the work area for a cleaner environment.
- **Easy-to-Use Forward/Reverse Power Regulator:** Allows precise control over power output in both directions.
- **Variable Speed Trigger:** Provides adjustable speed for various applications.

2. SETUP AND INSTALLATION

2.1 Air Supply Requirements

Ensure your air compressor meets the following specifications for optimal performance:

- **Air Pressure:** 90 PSI (6.2 bar) maximum.
- **Air Hose:** Minimum 3/8-inch (10 mm) inner diameter.
- **Compressor Capacity:** Sufficient CFM (Cubic Feet per Minute) to sustain tool operation. Refer to your compressor manual for details.

2.2 Lubrication

Before each use, and after every hour of continuous operation, apply 5-10 drops of pneumatic tool oil into the air inlet. This ensures proper lubrication of internal components and extends tool life.

2.3 Connecting to Air Supply

1. Ensure the air compressor is turned off and depressurized.
2. Apply thread sealant tape to the male threads of the air fitting.
3. Thread the air fitting into the tool's air inlet.
4. Connect the air hose to the air fitting.
5. Turn on the air compressor and adjust the pressure to 90 PSI (6.2 bar).

2.4 Installing Sockets

This impact wrench uses a 1/2-inch square drive. Select the appropriate impact-grade socket for your application. Push the socket firmly onto the square drive anvil until it locks into place. To remove, pull the socket off the anvil.

3. OPERATING INSTRUCTIONS

3.1 Safety Precautions

- Always wear ANSI-approved eye protection and hearing protection when operating the tool.
- Ensure the workpiece is securely fastened.
- Never point the tool at yourself or others.
- Disconnect the air supply before changing accessories or performing maintenance.
- Keep hands and clothing away from rotating parts.

3.2 Forward/Reverse Control

The tool features an integrated forward/reverse power regulator. This control allows you to switch the direction of rotation and adjust the power output. Locate the control lever or dial near the trigger. Move it to the desired position for forward (tightening) or reverse (loosening) operation. Different settings may correspond to varying torque levels in each direction.

3.3 Trigger Operation

The variable speed trigger allows you to control the rotational speed of the impact wrench. Press the trigger gently for slower speeds and increase pressure for higher speeds. This provides precise control for starting fasteners or working with delicate materials.

3.4 Applying Torque

For tightening fasteners, select the forward direction and apply the socket to the fastener. Press the

trigger to begin tightening. For critical torque applications, always use a calibrated torque wrench to achieve the final specified torque value after using the impact wrench.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Ingersoll Rand 236G Air Impact Wrench.

4.1 Daily Lubrication

As mentioned in the setup section, apply 5-10 drops of high-quality pneumatic tool oil into the air inlet before each use and after every hour of continuous operation. This lubricates the motor and impact mechanism.

4.2 Cleaning

- Keep the tool clean and free from dirt, dust, and debris.
- Wipe down the exterior with a clean, damp cloth. Avoid using harsh solvents.
- Periodically clean the air inlet screen to prevent blockages.

4.3 Inspection

- Regularly inspect the air hose and fittings for wear, cracks, or leaks. Replace damaged components immediately.
- Check the square drive anvil for excessive wear or damage.
- Ensure all external fasteners are tight.

4.4 Storage

When not in use, store the impact wrench in a clean, dry environment. Disconnect it from the air supply. Applying a few drops of oil before storage can help prevent internal corrosion.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your air impact wrench.

Problem	Possible Cause	Solution
Tool does not operate or has low power.	Low air pressure or insufficient air supply.	Check compressor pressure (should be 90 PSI). Ensure air hose is not kinked or too small in diameter. Verify compressor CFM capacity.
Air leaks from tool.	Loose fittings or worn O-rings/seals.	Tighten all air fittings. Inspect and replace worn seals or O-rings.
Excessive vibration or noise.	Lack of lubrication or internal wear.	Ensure proper daily lubrication. If problem persists, contact authorized service center.

Problem	Possible Cause	Solution
Tool runs continuously when trigger is released.	Stuck trigger valve.	Disconnect air supply immediately. Contact authorized service center for repair.

6. SPECIFICATIONS



Figure 2: Ingersoll Rand 236G 1/2-inch Air Impact Wrench with approximate dimensions (7.6 inches / 19 cm length).

Feature	Specification
Model Number	236G
Drive Size	1/2 inch
Max Torque	450 ft-lbs (610 Nm)
Operation Mode	Pneumatic
Item Length	7.6 Inches (19 cm)
Item Weight	2.58 Kilograms (5.69 lbs)
Material	Metal
Head Style	Fixed Square
Measurement Standard	SAE (Inch)
Included Components	236G Air Impact Wrench

7. WARRANTY INFORMATION

The Ingersoll Rand 236G Air Impact Wrench comes with a **1-year Limited Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty documentation included with your product or visit the official Ingersoll Rand website.

8. CUSTOMER SUPPORT

For further assistance, technical support, or service inquiries, please contact Ingersoll Rand customer service. You can find contact information on the official Ingersoll Rand website or through your product retailer.

Visit the [Ingersoll Rand Store on Amazon](#) for more product information and resources.