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> INGCO Air Impact Wrench 1/2" Drive (AIW12562) User Manual

Ingco AIW12562

INGCO Air Impact Wrench 1/2" Drive (AIW12562)

USER MANUAL

Introduction

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your INGCO Air Impact Wrench 1/2" Drive (AIW12562). Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury or damage.

Safety Information

Always observe basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury.

- **Personal Protective Equipment:** Always wear safety glasses, hearing protection, and appropriate gloves when operating the impact wrench.
- **Work Area:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Air Supply:** Ensure the air compressor is properly maintained and set to the correct pressure (6.2 bar / 90 psi). Use clean, dry air.
- **Tool Condition:** Inspect the tool for damage before each use. Do not operate if damaged.
- **Secure Workpiece:** Always secure the workpiece before applying torque.
- **Avoid Over-tightening:** Do not over-tighten fasteners. Use a torque wrench for final tightening where precise torque is required.

Product Overview and Components

The INGCO AIW12562 is a robust air impact wrench designed for heavy-duty fastening and loosening tasks. It features a twin hammer mechanism for efficient operation.

PRODUCT FEATURES

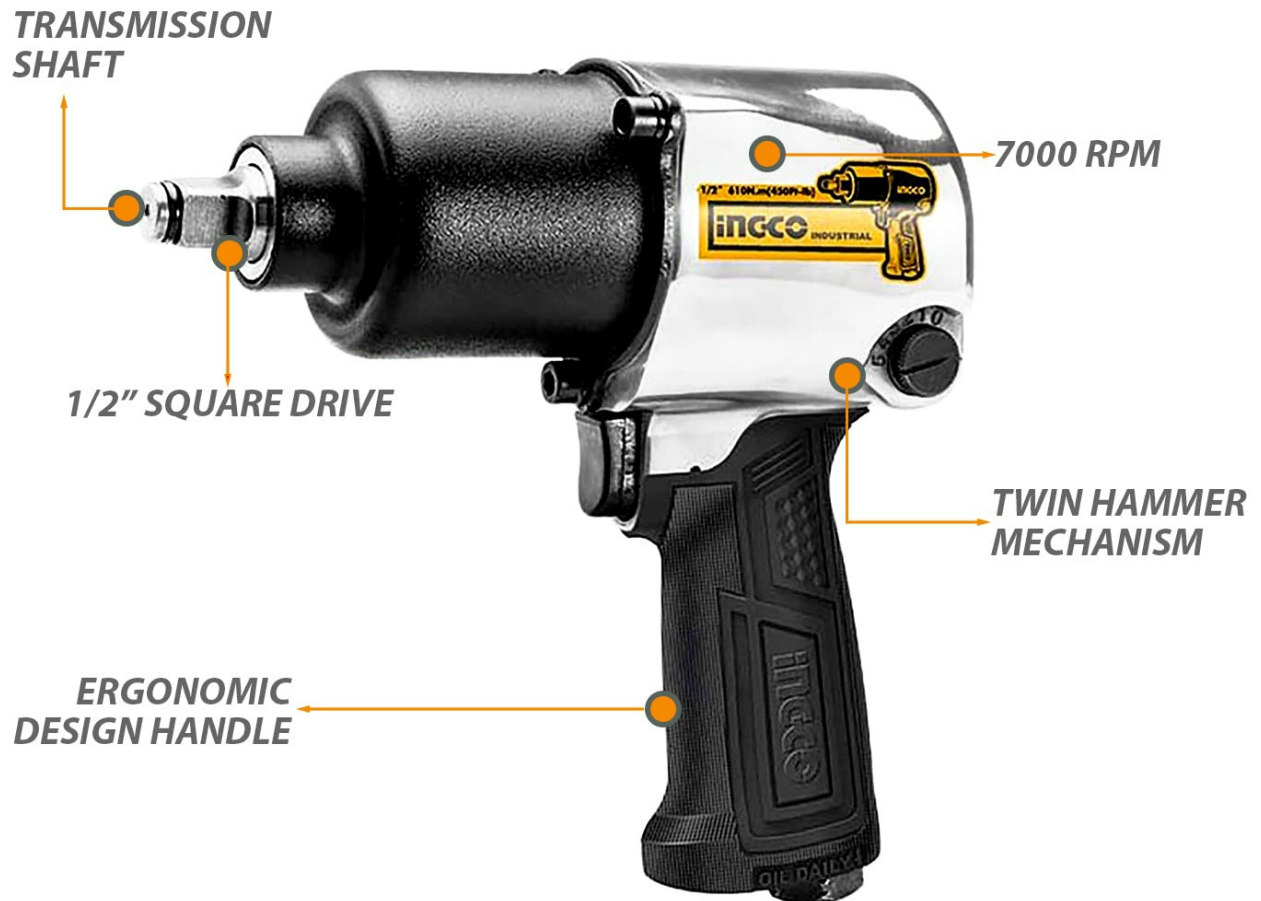


Figure 1: Key Features of the INGCO Air Impact Wrench.

Key Components:

- **1/2" Square Drive:** For attaching impact sockets.
- **Transmission Shaft:** Connects the motor to the square drive.
- **Twin Hammer Mechanism:** Provides high torque output and durability.
- **Ergonomic Design Handle:** For comfortable grip and reduced fatigue.
- **Air Inlet:** Connection point for the air hose.
- **Trigger:** Activates the tool.
- **Forward/Reverse Selector:** Changes the direction of rotation.

What's in the Box:

- 1 x INGCO Air Impact Wrench (AIW12562)
- (Additional accessories like sockets or oil may be included depending on the package)



Figure 2: INGCO Air Impact Wrench and typical included accessories.

Setup

1. Air Supply Connection:

- Ensure your air compressor is off and depressurized.
- Attach a quick-connect fitting (if not already installed) to the 1/4" air inlet on the wrench.
- Connect a 3/8" air hose from your compressor to the wrench. Ensure all connections are secure to prevent air leaks.

2. Lubrication:

- Before first use and daily thereafter, add a few drops of pneumatic tool oil into the air inlet. This lubricates the internal components and extends tool life.

3. Socket Attachment:

- Select the appropriate 1/2" drive impact socket for your application.
- Push the socket firmly onto the square drive until it locks into place.

DURABLE AIR INLET



HELPS IN NOISE REDUCTION

Figure 3: Durable Air Inlet for air supply connection and lubrication.

Operating Instructions

1. **Set Air Pressure:** Ensure your air compressor is set to the recommended operating pressure of 6.2 bar (90 psi).
2. **Select Direction:** Use the forward/reverse selector to choose the desired rotation direction (clockwise for tightening, counter-clockwise for loosening).
3. **Position Tool:** Place the socket firmly onto the fastener.
4. **Activate Wrench:** Press the trigger to start the impact action. The tool will deliver rapid, high-torque impacts.
5. **Monitor Torque:** For critical applications, use a calibrated torque wrench to achieve the final desired torque after using the impact wrench. The maximum torque of this tool is 610 Nm (450 ft-lbs).
6. **High Speed Operation:** The wrench operates at a no-load speed of 7000 RPM, providing fast and efficient work.

Twin Hammer Mechanism

MORE EFFICIENT STRONG HAMMERING ABILITY

Figure 4: Operating the Air Impact Wrench for loosening a fastener.

HIGH-RISE WORK SPEED 7000 RMP



Figure 5: High-speed operation at 7000 RPM.

Maintenance

- **Daily Lubrication:** Add 5-10 drops of pneumatic tool oil into the air inlet before each use. This is crucial for the longevity of the tool's internal components.
- **Air Filter:** Regularly check and clean the air filter on your compressor to ensure clean air supply to the tool.
- **Cleaning:** Keep the tool clean and free from debris. Wipe down the exterior with a clean cloth. Do not use harsh solvents.
- **Storage:** Store the impact wrench in a dry, clean environment away from direct sunlight and extreme temperatures. Disconnect from air supply when not in use.

Troubleshooting

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Tool not operating or low power	Low air pressure; Insufficient lubrication; Air leaks; Clogged air inlet.	Check compressor pressure (should be 90 psi); Add pneumatic tool oil; Check hose connections for leaks; Clean air inlet.
Excessive vibration	Worn internal parts; Loose socket.	Contact qualified service personnel; Ensure socket is securely attached.
Air leaking from tool	Loose fittings; Damaged O-rings/seals.	Tighten fittings; Contact qualified service personnel for seal replacement.

Specifications

Specification	Value
Model Number	AIW12562
Square Drive	12.5mm (1/2")
No-load Speed	7000 rpm
Max. Torque	610 Nm (450 ft-lbs)
Mechanism	Twin Hammer
Air Consumption	142.5 l/min (5.0 cfm)
Air Pressure	6.2 bar (90 psi)
Length	187mm (7.3")
Weight	2.6 kgs (5.7 lbs)
Air Inlet	1/4"
Air Hose	3/8"
Material	Plastic (body, likely metal internal components)
Dimensions (LxWxH)	23 x 22 x 8 cm

PRODUCT DIMENSIONS



Figure 6: Product Dimensions.

Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact INGCO customer service directly. Keep your purchase receipt as proof of purchase.

For further assistance, visit the official Ingco website or contact their authorized service centers.

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