Stanley 160157XSTN

Stanley 1/2-inch Air Impact Wrench Kit 160157XSTN User Manual

Model: 160157XSTN

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and care of your Stanley 1/2-inch Air Impact Wrench Kit, model 160157XSTN. Please read these instructions thoroughly before using the tool to ensure proper function and to prevent injury.



Image 1.1: The Stanley 1/2-inch Air Impact Wrench, a powerful tool designed for efficient fastening and loosening tasks.

2. General Safety Information

Always observe basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

2.1 Personal Safety

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Do not operate the tool while fatigued or under the influence of drugs, alcohol, or medication.
- Dress properly. Avoid loose clothing, jewelry, or long hair that can be caught in moving parts.

2.2 Tool Use and Care

- Ensure the air supply is disconnected before making adjustments, changing accessories, or storing the tool.
- Do not overreach. Maintain proper footing and balance at all times.
- Use the correct tool for your application. Do not force a small tool or attachment to do the job of a heavy-duty tool.
- Keep tools sharp and clean for better and safer performance.

2.3 Air Supply Safety

- Ensure the air compressor is rated for the required operating pressure and air consumption of the impact wrench.
- Always use clean, dry, regulated compressed air. Moisture and contaminants can damage the tool.
- Do not exceed the maximum operating pressure of 6 bar (90 PSI).
- Inspect air hoses for damage before each use. Do not use damaged hoses.

3. Setup and Assembly

3.1 Package Contents

Your Stanley 1/2-inch Air Impact Wrench Kit includes the following components:

- 1 x 1/2-inch Air Impact Wrench
- 1 x Extension Bar
- 10 x Sockets (sizes: 9, 10, 11, 13, 14, 17, 19, 22, 24, 27 mm)
- 2 x Quick Connectors
- 1 x Mini Oiler
- 1 x Empty Oil Bottle



Image 3.1: All components included in the Stanley 1/2-inch Air Impact Wrench Kit, laid out for inspection.

3.2 Connecting to Air Supply

1. Ensure your air compressor is turned off and depressurized.
2. Apply a few drops of pneumatic tool oil into the air inlet of the impact wrench.
3. Attach one of the quick connectors to the air inlet of the impact wrench.
4. Connect the air hose from your compressor to the quick connector on the tool.
5. Set the air compressor to the recommended operating pressure of 6 bar (90 PSI).

3.3 Attaching Sockets

To attach a socket, align the square drive of the socket with the 1/2-inch square drive on the impact wrench. Push the socket firmly onto the drive until it locks securely in place. To remove, pull the socket off the drive.

4. Operating Instructions

The Stanley 1/2-inch Air Impact Wrench is designed for efficient loosening and tightening of fasteners, particularly useful for tasks like wheel changes.

4.1 Forward/Reverse Control

The tool features a directional switch (often marked 'F' for Forward and 'R' for Reverse) to control the rotation direction. Move the switch to 'F' for tightening (clockwise rotation) and 'R' for loosening (counter-clockwise rotation).



Image 4.1: Side view of the impact wrench, highlighting the Forward/Reverse selector switch for directional control.

4.2 Operating the Wrench

1. Select the appropriate socket size for your fastener.
2. Attach the socket securely to the impact wrench.
3. Place the socket onto the fastener.
4. Set the directional switch to the desired mode (Forward for tightening, Reverse for loosening).
5. Press the trigger to activate the tool. The wrench will deliver impacts to the fastener.
6. Release the trigger to stop the tool.

The wrench provides a maximum torque of 200 Newton-meters and operates at a speed of 23,000 revolutions per minute, ensuring quick and effective work.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your air impact wrench.

5.1 Lubrication

It is crucial to lubricate the impact wrench daily or before each use. Apply 5-10 drops of pneumatic tool oil into the air inlet. This lubricates the internal motor components, preventing wear and corrosion.

5.2 Cleaning and Storage

- After each use, wipe down the tool with a clean, dry cloth.
- Store the tool and its accessories in the provided case in a dry, clean environment, away from direct sunlight and extreme temperatures.
- Disconnect the tool from the air supply before storing.

6. Troubleshooting

If you encounter issues with your impact wrench, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool not operating or low power	Insufficient air pressure Lack of lubrication Air leaks in hose or connections Clogged air inlet filter	Check compressor pressure (ensure 6 bar) Add pneumatic tool oil to air inlet Inspect and tighten all air connections Clean or replace air inlet filter
Excessive air consumption	Air leaks Worn internal components	Check all connections for leaks Contact customer support for service
Tool runs but does not impact	Lack of lubrication Worn impact mechanism	Add pneumatic tool oil Contact customer support for service

7. Specifications

Here are the technical specifications for the Stanley 1/2-inch Air Impact Wrench Kit 160157XSTN:

Feature	Specification
Model Number	160157XSTN
Manufacturer	Mecafer
Drive Size	1/2 inch Square Drive
Operating Pressure	6 bar (90 PSI)
Air Consumption	170 Liters/minute
No-Load Speed	23,000 rpm
Maximum Torque	200 Newton-meters
Dimensions (L x W x H)	9 x 28 x 26 cm
Weight	1 Kilogram
Material	Durable materials (Plastic components)
Color	Black, Silver

Feature	Specification
Country of Origin	China

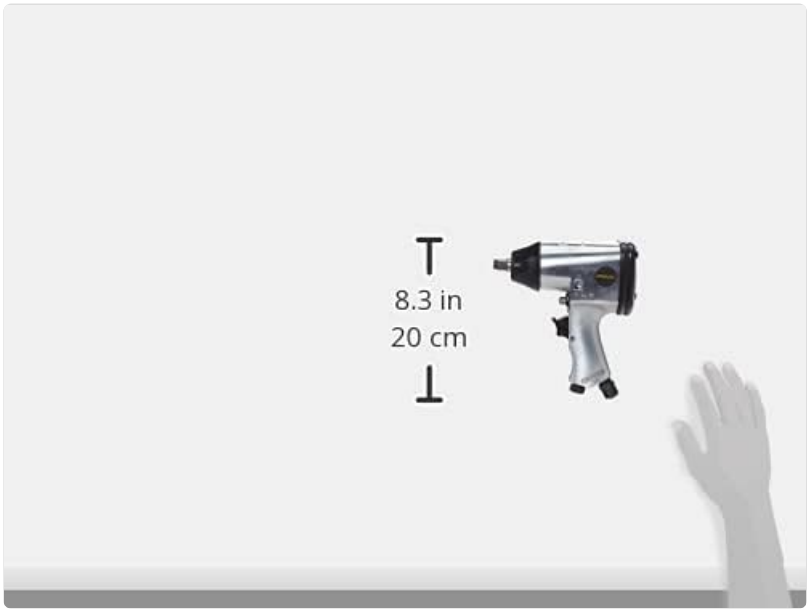


Image 7.1: The Stanley 1/2-inch Air Impact Wrench illustrating its approximate dimensions (8.3 inches / 20 cm).

8. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official Stanley website. Keep your proof of purchase for any warranty claims.

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