

[Manuals.plus](#) /

› [Hairich](#) /

› Hairich 1-25 Nm 1/4 Inch Torque Wrench Set (Model H-003) Instruction Manual

Hairich H-003

Hairich 1-25 Nm 1/4 Inch Torque Wrench Set (Model H-003)

Instruction Manual

1. PRODUCT OVERVIEW

The Hairich 1-25 Nm 1/4 Inch Torque Wrench Set is designed for precise torque application in various tasks, particularly bicycle maintenance. It features a 72-tooth reversible ratchet mechanism, ensuring smooth operation and durability. This set provides high accuracy, meeting international standards for reliable performance.

Key features include:

- **Accurate Torque Value:** Provides $\pm 3\%$ error accuracy, calibrated to ISO06789, GB/T15729, ASME, and ASME B107.14M standards. Each wrench includes a calibration certificate.
- **High Quality Materials:** Ratchet made from high-hardness 40CRV alloy steel (chrome vanadium steel) for durability and rust resistance. Bits are S2 tool steel for impact resistance, hardness, and toughness.
- **Easy to Use:** 72-tooth reversible ratchet for clockwise and counterclockwise adjustments. Quick release button for easy socket installation and removal. Torque value adjustment is a simple press, adjust, and release mechanism.
- **Safety Features:** Emits a clear click sound and vibration when the preset torque value is reached, preventing over-tightening.
- **Versatile Application:** Ideal for for bicycle, mountain bike, motorcycle, and general household repairs, including stems, seat clamps, rotors, and cranks.

72-Tooth Reversible Ratchet

Spring-Loaded Detent Ball

Two-Way Design, Easy to Use
Easy to Read

Laser Scale is Clearer, Higher Accuracy, Accuracy up to $\pm 3\%$ 1 N.m = 8.85 in.lb



Ergonomic Handle Design
Anti-Slip Design with Mesh Pattern

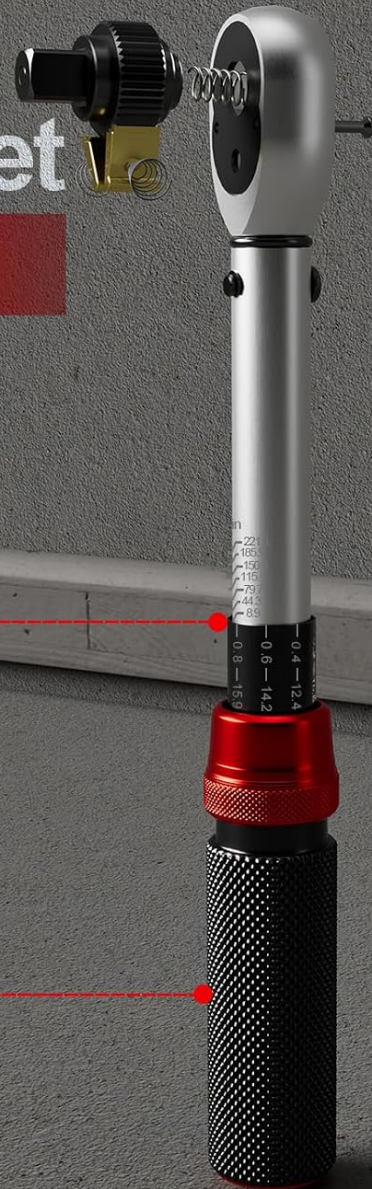
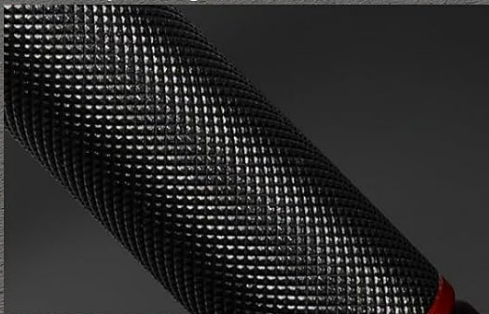


Image 1.1: The Hairich torque wrench, highlighting its 72-tooth reversible ratchet head and ergonomic, anti-slip handle design. The laser-etched scale for torque adjustment is also visible.

2. PACKAGE CONTENTS

The Hairich 1-25 Nm Torque Wrench Set includes the following components:

- 1 x Hairich Torque Wrench (1/4 Inch, 1-25 Nm)
- 8 x Hex Bits: H10, H8, H6, H5, H4, H3, H2.5, H2
- 3 x Torx Bits: T30, T25, T10
- 1 x 1/4" 100mm Extension Rod
- 1 x Storage Case
- 1 x Calibration Certificate

12 Bits - All the Tools You Need!

You can select the most suitable bit for the screw.
Extension Adapter (100mm extended)

Press the Bit Mounting Button on the Back of the Head to Attach the Bit in the Required Size.



Image 2.1: A detailed view of the included 12 bits (hex and Torx) and the 100mm extension rod, organized in their holders.

Your browser does not support the video tag.

Video 2.1: This video demonstrates the various hex and Torx bits included in the set, showing how they are organized and handled. It provides a visual guide to the different sizes and types of bits available for use with the torque wrench.

3. SETUP

3.1 Installing Bits and Sockets

1. Select the appropriate hex or Torx bit for your application.
2. Press the quick release button located on the head of the torque wrench.
3. Insert the desired bit or socket firmly into the 1/4-inch drive until it clicks into place.
4. Release the quick release button to secure the bit.
5. To remove, press the quick release button and pull the bit or socket out.

3. Apply steady, increasing pressure to the handle in a smooth motion. The wrench can be used for both clockwise and counterclockwise tightening.
4. Continue applying pressure until a distinct "click" sound is heard and a slight vibration is felt. This indicates that the preset torque value has been reached.
5. *Stop immediately after the click. Do not apply additional force, as this can lead to over-tightening and damage.*
6. Remove the wrench from the fastener.



Image 4.1: The torque wrench in action, demonstrating its use for precise tightening on a bicycle component.

4.2 Applications

This torque wrench is suitable for a wide range of applications requiring precise torque, including:

- Bicycle and mountain bike maintenance (stems, seat clamps, lever clamps, rotors, chain sets, cranks).
- Motorcycle repairs.
- Household appliance installation and repair.
- Electrical engineering tasks.

- Product assembly and mechanical repairs.

Suitable for Various Occasions

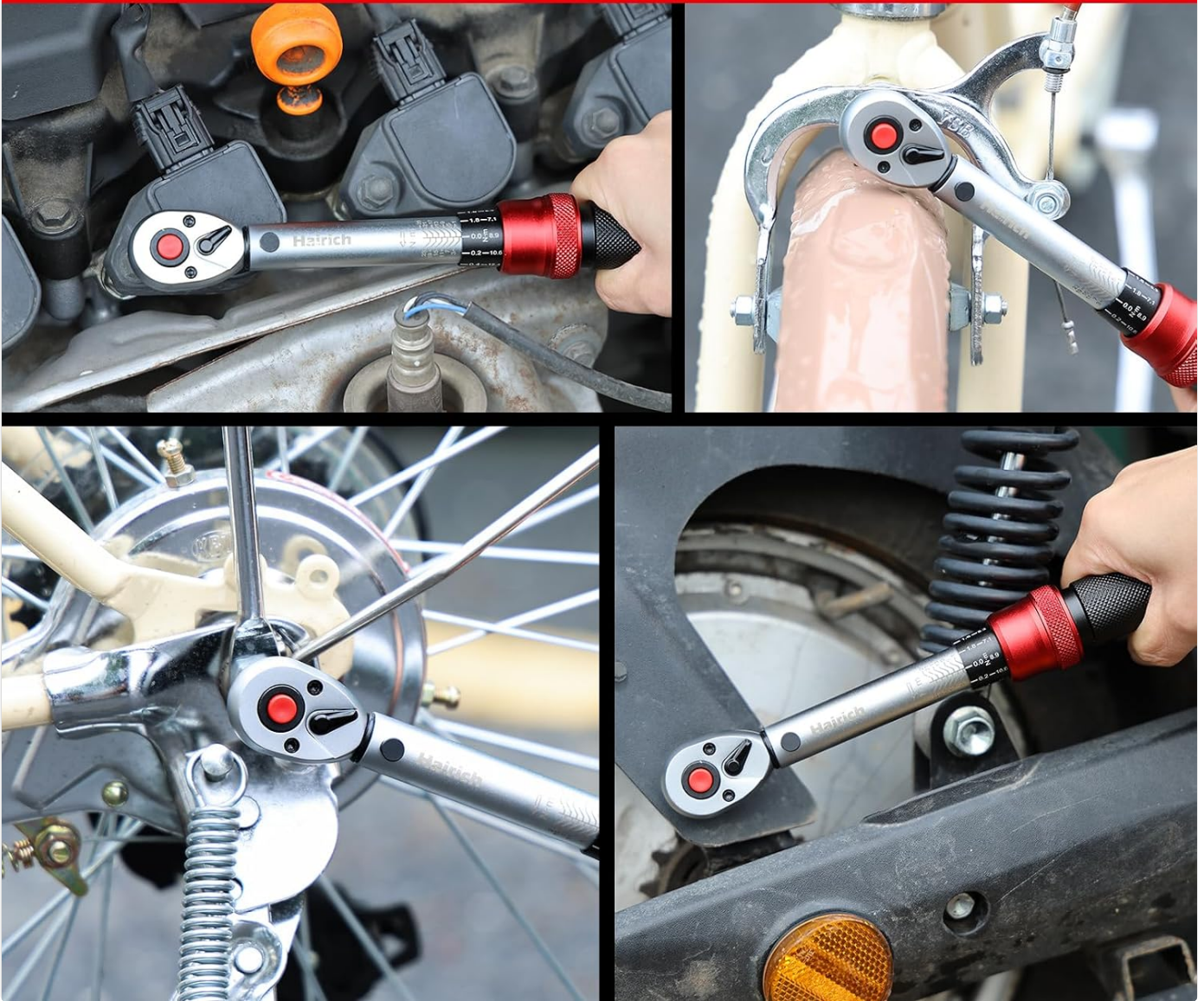


Image 4.2: Examples of the torque wrench being used in diverse settings, from automotive engine components to bicycle and scooter parts, illustrating its versatility.

5. MAINTENANCE

- **Cleaning:** Wipe the torque wrench and bits with a clean, dry cloth after each use. Do not use abrasive cleaners or solvents.
- **Storage:** Store the torque wrench in its original case in a dry, clean environment. Always set the torque wrench to its lowest setting (1 Nm) before storing to relieve spring tension and maintain calibration accuracy.
- **Calibration:** For optimal accuracy, it is recommended to have the torque wrench recalibrated periodically by a qualified service center, especially after heavy use or if accuracy is suspected to be compromised.
- **Inspection:** Regularly inspect the wrench for any signs of damage, wear, or corrosion. Do not use a damaged tool.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Wrench does not click at set torque.	Torque setting is too high for the fastener. Wrench is damaged or out of calibration. Improper application of force.	Verify the required torque for the fastener. Have the wrench inspected and recalibrated. Apply steady, smooth pressure.
Inaccurate torque readings.	Wrench is out of calibration. Improper storage (not set to lowest setting). Using extension bars not designed for torque wrenches.	Recalibrate the wrench. Always store at the lowest torque setting. Use only the provided extension rod.
Bits or sockets fall out.	Quick release button not fully engaged. Bit/socket is not 1/4-inch drive. Worn drive head.	Ensure bit/socket is fully inserted and button is released. Use only 1/4-inch drive bits/sockets. Contact support for inspection.

7. SPECIFICATIONS

Brand	Hairich
Model Number	H-003
Torque Range	1-25 Nm
Drive Size	1/4 Inch
Accuracy	±3%
Ratchet Teeth	72
Material (Ratchet)	40CRV Alloy Steel (Chrome Vanadium Steel)
Material (Bits)	S2 Tool Steel
Included Bits	Hex (H10, H8, H6, H5, H4, H3, H2.5, H2), Torx (T30, T25, T10)
Extension Rod	100mm (1/4")
Standards Met	ISO06789, GB/T15729, ASME, ASME B107.14M

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact the retailer. Keep your proof of purchase for any warranty claims.