

Wera 05075610001

Wera Click-Torque B1 Torque Wrench 10-50 Nm Instruction Manual

Model: 05075610001

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Wera Click-Torque B1 Torque Wrench. This precision tool is designed for controlled tightening of fasteners within a torque range of 10-50 Nm, ensuring high accuracy as per DIN EN ISO 6789-1: 2017-07. Please read this manual thoroughly before initial use and retain it for future reference.



Image 1: Wera Click-Torque B1 Torque Wrench, showing its black and green design with the ratchet head and torque scale.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the tool or workpiece:

- **Read the Manual:** Familiarize yourself with all instructions and warnings before operating the torque wrench.
- **Protective Gear:** Wear appropriate personal protective equipment, such as safety glasses, when using the tool.
- **Proper Application:** Use the torque wrench only for its intended purpose of applying controlled torque. Do not use it as a standard ratchet or for breaking loose seized fasteners.
- **Over-Torquing:** Never exceed the maximum specified torque value (50 Nm) for this wrench. Over-torquing can damage the fastener, workpiece, or the tool itself.
- **Cleanliness:** Keep the tool clean and free from oil, grease, or other contaminants that could affect its accuracy or your grip.

- **Storage:** Store the torque wrench in a dry, clean environment, preferably in its protective case, and set to the lowest torque value (or zero if applicable) to relieve spring tension.
- **Calibration:** Torque wrenches are precision instruments and should be periodically checked and calibrated by qualified personnel to maintain accuracy.

3. PRODUCT OVERVIEW

The Wera Click-Torque B1 features a robust design for reliable performance. Key components include:

- **Ratchet Head:** Reversible 45-tooth mechanism for right-hand (clockwise) torque control.
- **Torque Scale:** Clearly marked scale for setting desired torque values in Newton-meters (Nm).
- **Adjustment Mechanism:** Easy-to-use mechanism for precise torque setting.
- **Handle:** Ergonomically designed for comfortable and secure grip.

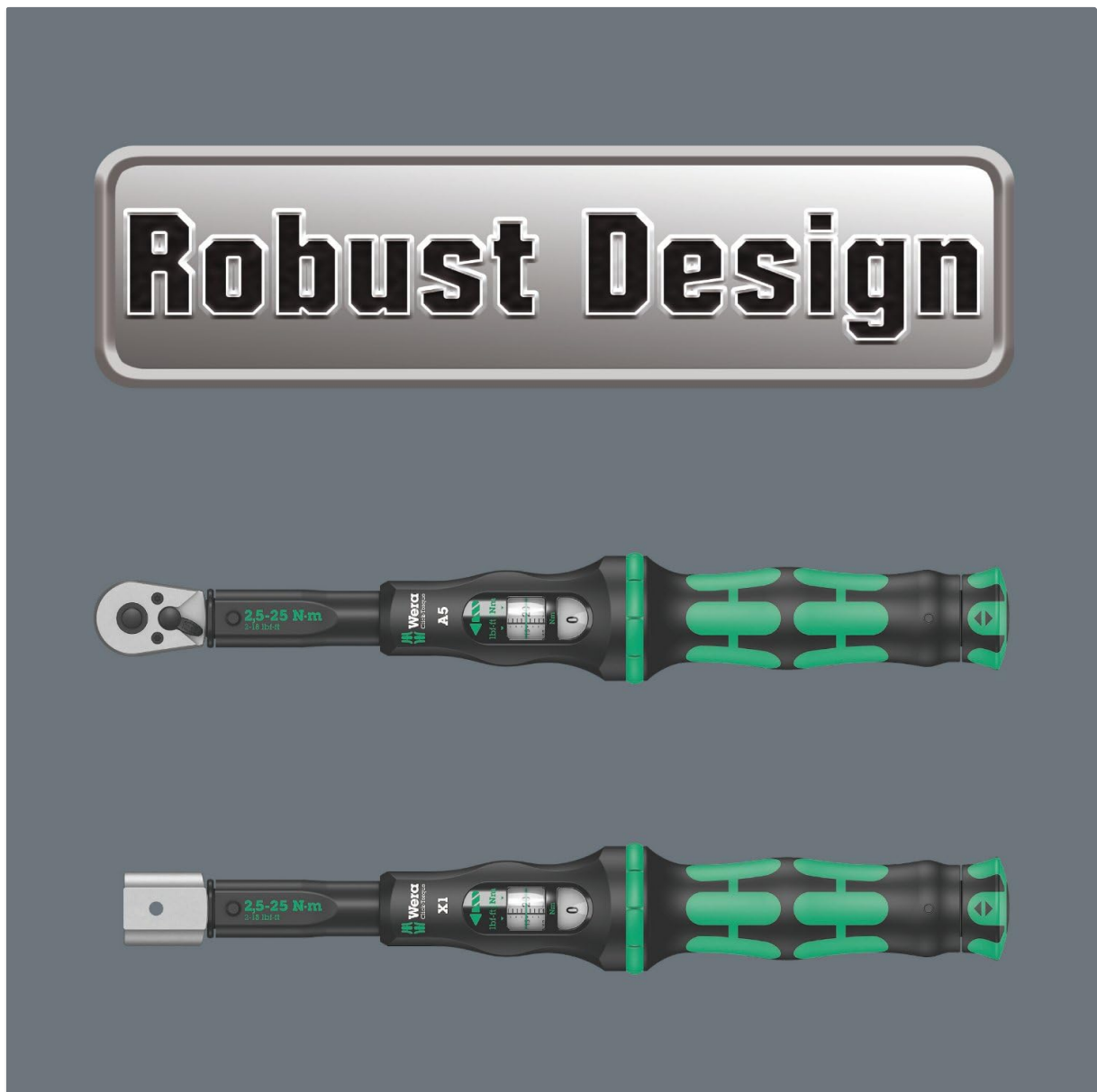


Image 2: Illustration highlighting the robust design of the Wera Click-Torque wrench.



Image 3: Close-up view of the ratchet head, showing the drive and direction switch.

4. SETUP

1. **Unpacking:** Carefully remove the torque wrench from its packaging. Inspect for any signs of damage.
2. **Familiarization:** Locate the torque adjustment mechanism, the scale, and the ratchet direction switch.
3. **Attachment:** Select the appropriate socket or bit for your fastener and attach it securely to the square drive of the ratchet head.

5. OPERATING INSTRUCTIONS

5.1 Setting the Torque Value

1. **Unlock Adjustment:** Rotate the green ring at the end of the handle to unlock the adjustment mechanism.
2. **Adjust Coarse Setting:** Rotate the handle to move the main scale indicator to the desired coarse torque value (e.g., 20 Nm).

3. **Adjust Fine Setting:** Use the fine adjustment scale on the handle to precisely set the final torque value. The audible and tactile clicks on reaching the scale values assist in accurate setting.
4. **Lock Adjustment:** Once the desired torque is set, rotate the green ring back to lock the adjustment mechanism. This prevents accidental changes during use.



Image 4: A hand demonstrating the rotation of the green ring at the end of the handle to adjust the torque setting.

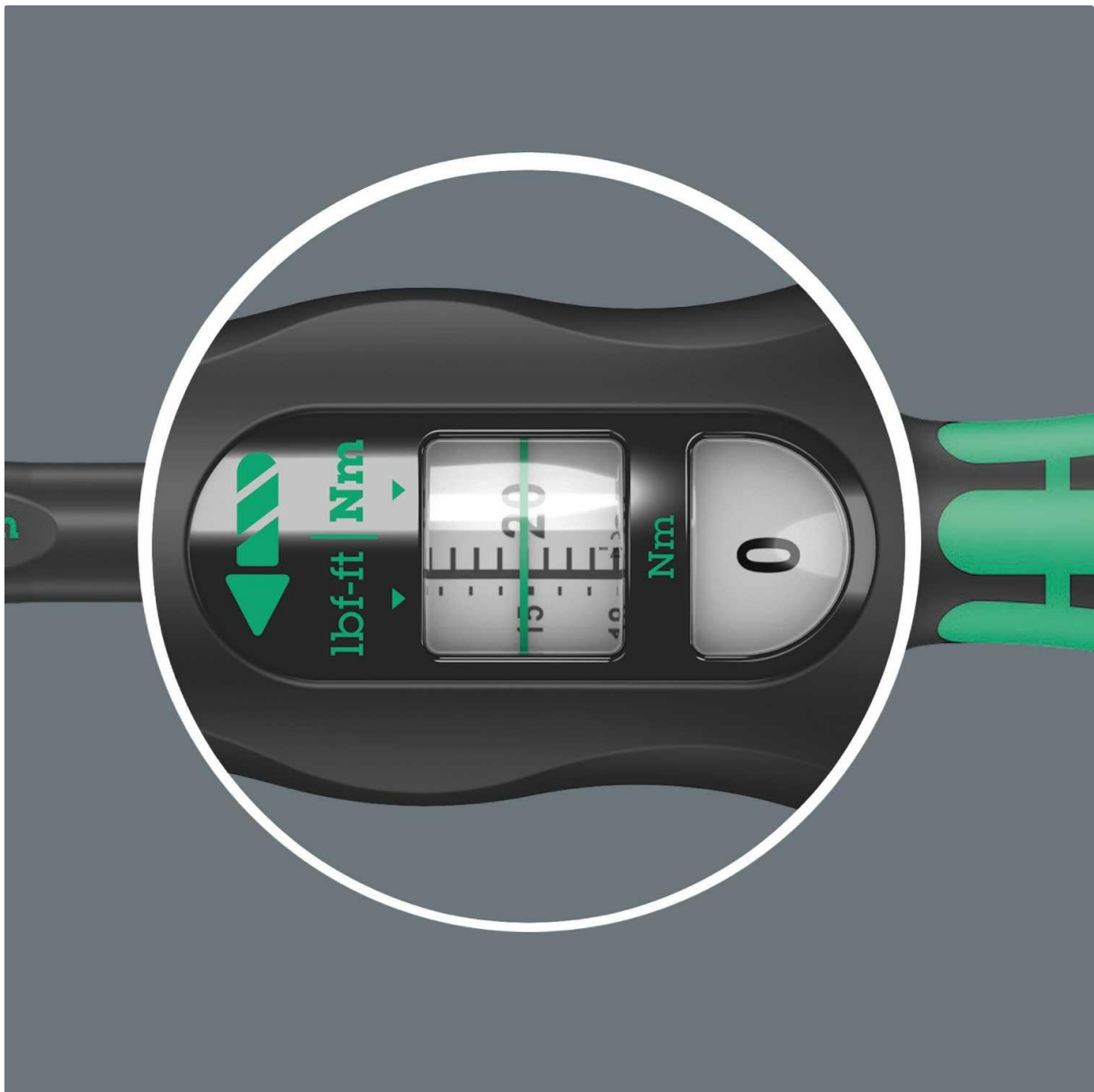


Image 5: Close-up of the torque scale on the wrench handle, showing both coarse and fine adjustment markings.

5.2 Using the Torque Wrench

1. **Ratchet Direction:** Ensure the ratchet direction switch is set for clockwise rotation for tightening.
2. **Apply Force:** Apply steady, smooth force to the handle. Avoid jerky movements.
3. **Click Indication:** Continue applying force until you hear and feel a distinct "click" from the wrench. This indicates that the preset torque value has been reached.
4. **Stop:** Immediately stop applying force once the click is felt/heard. Do not continue to tighten the fastener beyond this point.
5. **Reset:** After each use, the wrench automatically resets for the next application.



Image 6: Graphic illustrating the audible (ear icon) and tactile (hand icon) feedback provided by the wrench when the set torque is reached.

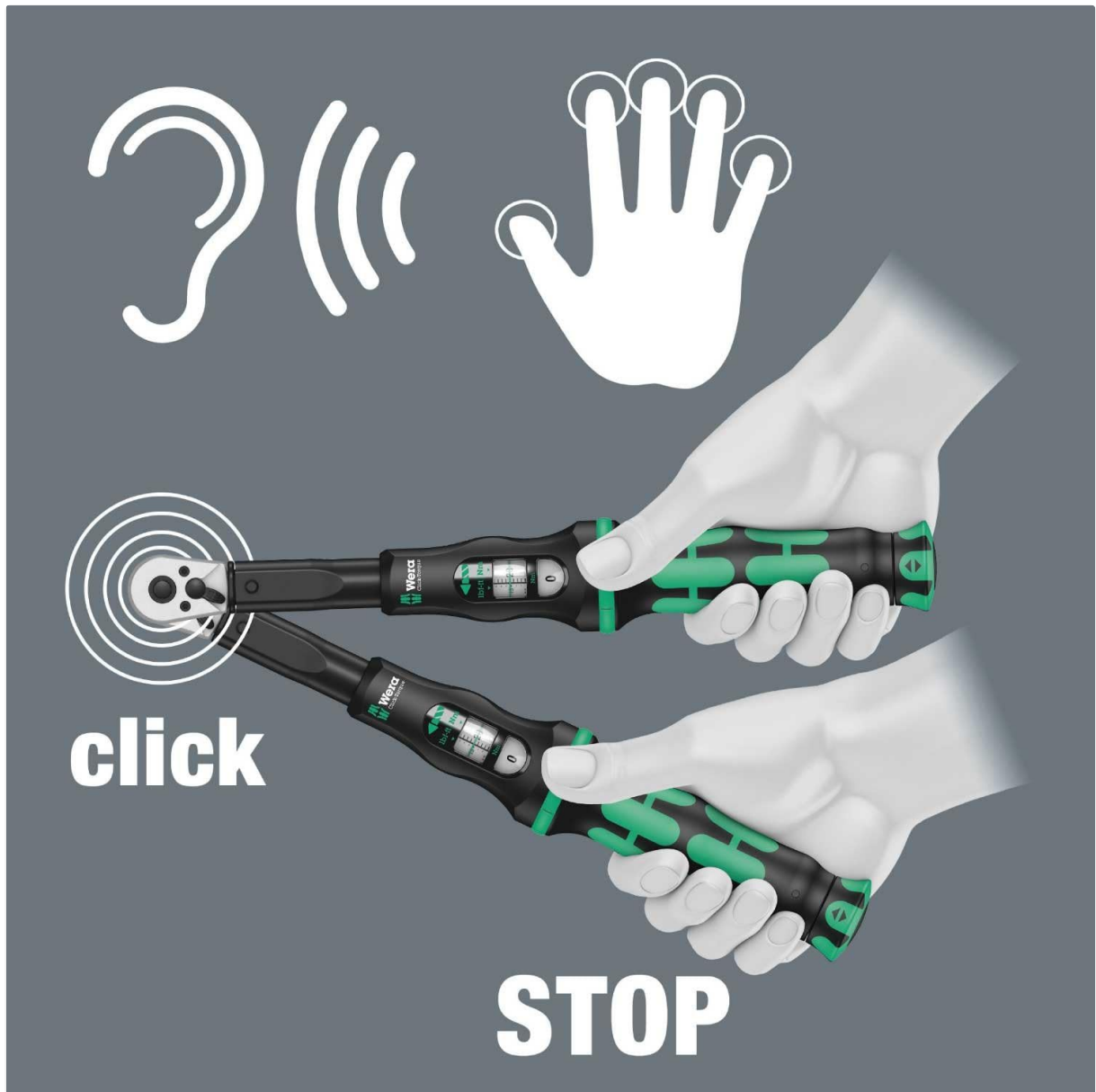


Image 7: Illustration showing the "click" and "stop" action of the torque wrench, indicating when the target torque is achieved.

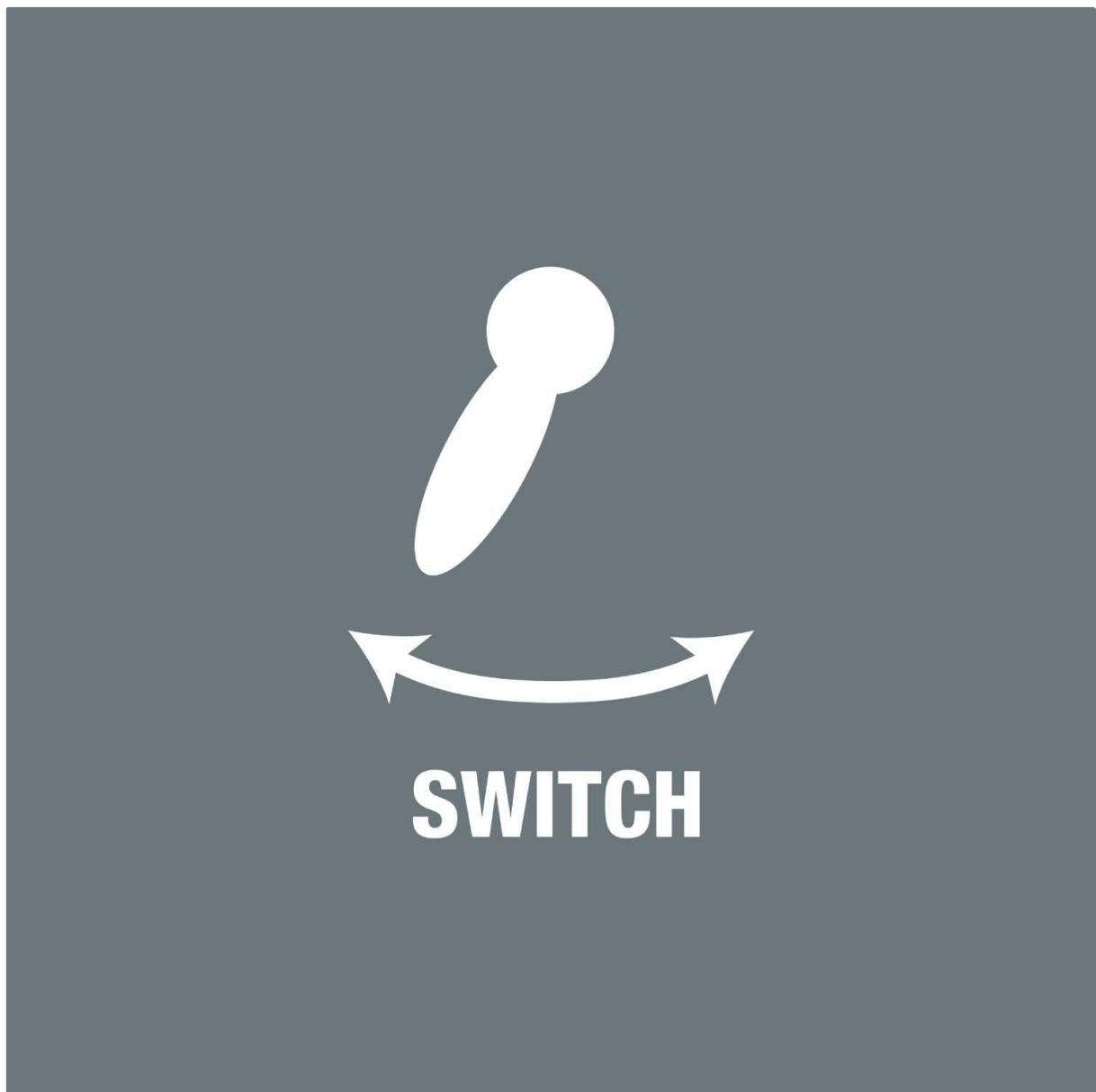


Image 8: Graphic depicting the switch mechanism for changing the ratchet direction.

6. MAINTENANCE

- **Cleaning:** Wipe the wrench clean with a soft, dry cloth after each use. Do not use harsh chemicals or solvents.
- **Lubrication:** The internal mechanism is factory-lubricated. Do not attempt to lubricate the internal components yourself unless specifically instructed by Wera.
- **Storage:** Always return the torque wrench to its lowest torque setting (10 Nm) before storing to relieve tension on the internal spring, which helps maintain accuracy over time. Store in a protective case in a dry environment.
- **Inspection:** Periodically inspect the wrench for any signs of wear, damage, or loose parts. Do not use a damaged tool.

7. TROUBLESHOOTING

If you encounter issues with your Wera Click-Torque B1, consider the following:

- **No Click Sensation:**

- Ensure the torque value is set correctly and locked.
- Verify you are applying steady, increasing force.
- The fastener might already be at or above the set torque.

- **Inaccurate Readings:**

- Check if the wrench has been dropped or subjected to impact.
- Ensure the wrench is clean and free from debris.
- Consider professional calibration if accuracy is consistently questionable.

- **Stiff Adjustment:**

- Ensure the adjustment mechanism is unlocked before attempting to change the torque setting.
- Clean any dirt or grime from the adjustment area.

For issues not resolved by these steps, contact Wera customer support.

8. SPECIFICATIONS

Model:	Wera Click-Torque B1
Part Number:	05075610001
Torque Range:	10 - 50 Nm
Measurement Accuracy:	± 3% (conforms to DIN EN ISO 6789-1: 2017-07)
Drive Type:	Square Drive
Ratchet Mechanism:	45-tooth, reversible (for right-hand use)
Operation Mode:	Mechanical
Material:	Blend
Item Weight:	2.33 pounds

A dark gray rectangular graphic with white text. The top line features the text "±3%" in a large, bold, sans-serif font. The bottom line features the text "DIN EN ISO 6789-1:2017-07" in a smaller, bold, sans-serif font.

±3%

DIN EN ISO 6789-1:2017-07

Image 9: Graphic indicating the $\pm 3\%$ accuracy and conformity to DIN EN ISO 6789-1:2017-07 standard.

9. WARRANTY AND SUPPORT

Wera products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Wera website. For technical support, spare parts, or service inquiries, please contact Wera customer service through their official channels. You can find more information and contact details on the [Wera Store on Amazon](#).