

[Manuals.plus](#) /

› [Stahlwille](#) /

› Stahlwille 730D MANOSKOP Torque Wrench User Manual

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Model: 96501710

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Stahlwille 730D MANOSKOP Torque Wrench, model 96501710. This precision instrument combines digital measurement technology with a reliable mechanical release mechanism, designed for accurate torque application in various professional settings. Please read this manual thoroughly before operating the device.

SAFETY INFORMATION

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

- Wear appropriate personal protective equipment (PPE), such as safety glasses, when operating the torque wrench.
- Ensure the workpiece is securely fastened before applying torque.
- Do not exceed the maximum torque capacity of the wrench (100 N.m).
- Do not use the torque wrench as a hammer or for prying.
- Keep the tool clean and free from oil, grease, or other contaminants to maintain a secure grip.
- Store the torque wrench in a dry, secure location away from extreme temperatures and direct sunlight.
- Regularly check the wrench for any signs of damage or wear. Do not use a damaged tool.

WHAT'S IN THE BOX

Upon unpacking, verify that all components are present:

- Stahlwille 730D MANOSKOP Torque Wrench with Mount
- Instruction Manual (this document)
- Calibration Certificate (DIN EN ISO 6789-2:2017)

Note: Insert tools are sold separately and are not included with the torque wrench.

1. Attaching Insert Tools

The Stahlwille 730D MANOSKOP features a 9x12 mm mount for various insert tools. To attach an insert tool:

1. Ensure the torque wrench is clean and free of debris.
2. Align the insert tool with the QuickRelease mount on the wrench head.
3. Push the insert tool firmly into the mount until the QuickRelease safety interlock engages with an audible click.
4. Gently pull on the insert tool to confirm it is securely locked in place.



Figure 1: The Stahlwille 730D MANOSKOP Torque Wrench, showing the main body and the insert tool mount at the left end.

2. Setting the Torque Value

The torque value is set electronically using the keypad and display on the handle.

1. Power on the wrench by pressing the 'ON' button.

2. Use the navigation buttons on the keypad to select the desired unit of measurement (Nm, ft.lb, or in.lb).
3. Enter the target torque value using the numerical keypad.
4. Confirm the setting. The display will show the set value.
5. For added security, presets can be protected with a PIN code. Refer to the on-screen menu for PIN setup.



Figure 2: Detailed view of the digital display and control keypad for setting torque values and units.

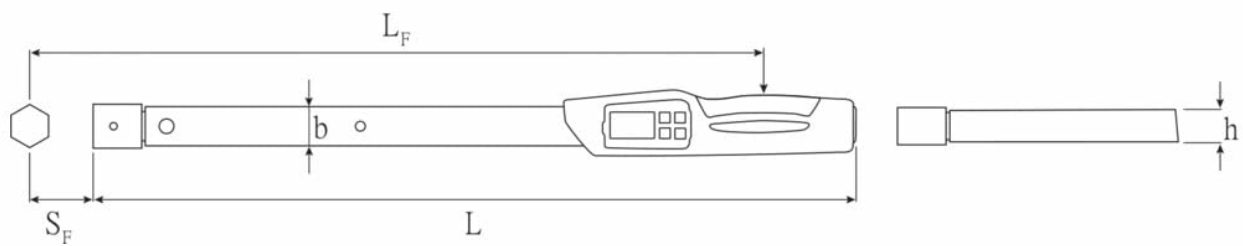


Figure 3: The ergonomic two-component handle, designed for comfortable and secure grip during operation.

OPERATING INSTRUCTIONS

1. Applying Torque

1. With the insert tool attached and the desired torque value set, position the wrench on the fastener.
2. Apply steady, even force to the handle in the tightening direction.
3. As the target torque is approached, the display will provide visual feedback (e.g., green for within tolerance, red for over-torque).
4. When the target torque is reached, the electromechanical release will trigger, providing a distinct tactile signal and an audible click. Stop applying force immediately upon this signal.

2. Automatic Compensation

The 730D MANOSKOP features automatic compensation for accurate tightening torque, even when using different extensions. This ensures that the applied torque remains consistent regardless of the length of the extension used with

the insert tool. Ensure that the wrench is correctly configured for any extensions in use, as per the on-screen prompts or specific instructions for your insert tools.

MAINTENANCE

- **Cleaning:** After each use, wipe the wrench clean with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the display or handle materials. The two-component handle is resistant to oils, grease, fuels, brake fluids, and Skydrol.
- **Storage:** Store the torque wrench in its protective case (if provided) or a clean, dry environment. Avoid storing it under tension or with an insert tool attached for extended periods.
- **Calibration:** Torque wrenches require periodic calibration to maintain accuracy. Refer to the included calibration certificate for recommended calibration intervals. Stahlwille recommends professional recalibration services.
- **Battery Replacement:** If the display indicates low battery, replace the batteries according to the instructions provided in the full product manual or on the device itself.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Wrench does not power on.	Low or depleted batteries.	Replace batteries.
Inaccurate torque readings.	Out of calibration; incorrect usage; damaged tool.	Have the wrench recalibrated; ensure correct operating procedure; inspect for damage and replace if necessary.
Insert tool not locking securely.	Debris in mount; damaged QuickRelease mechanism.	Clean the mount thoroughly; if damage is suspected, contact customer support.

SPECIFICATIONS

- Model:** 96501710
- Type:** Digital Electromechanical Torque Wrench
- Torque Range:** 10 - 100 N.m
- Insert Tool Mount:** 9x12 mm
- Units of Measurement:** Nm, ft.lb, in.lb
- Certification:** DIN EN ISO 6789-2:2017
- Handle Material:** Two-component, resistant to oils, grease, fuels, brake fluids, and Skydrol.
- Features:** QuickRelease Safety Lock, Fast-setting, Automatic Compensation, Ergonomic Handle.



Figure 4: Technical diagram illustrating the dimensions and key components of the torque wrench.

WARRANTY AND SUPPORT

Stahlwille products are known for their uncompromising quality and durability, designed to provide a lifetime of reliable service. For specific warranty details, claims, or technical support, please refer to the warranty card included with your product or visit the official Stahlwille website. Contact information for customer service can typically be found on the manufacturer's website.



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