

Operation Manual

Torque Wrench

61847



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

Safety notes and information

- Read all safety notes and instructions. Not observing the safety notes or instructions might result in serious injuries or damages.
- This torque wrench was calibrated before leaving the factory; it is accurate to $\pm 4\%$. Nevertheless, being a precision measuring device, it must be regularly calibrated and maintained.
- When using the device, make sure that the trigger value has been correctly set up.
- Never use the torque wrench to loosen screw connections.
- Do not overload the torque wrench. Otherwise, the tool might be damaged and/or the trigger value falsified.
- Make sure to position the tool so that it cannot slip off the screw connections.
- Do not use any extensions or articulations in order to increase the power transmission.
- After not being used for some time or after being stocked, operate the torque wrench several times at a low torque setting. By doing so, a special inner lubricant re-coats the inner parts.
- Do not turn the handle below the lowest torque setting.
- Do not turn the handle any further after the pre-set torque has been reached. The pressure must be released from the handle for the wrench to be able to automatically reset itself. If after loosening the wrench pressure continues to be exerted, the recommended torque setting will be exceeded, which will lead to the part to be tightened being damaged.
- The torque wrench must be regularly maintained and cleaned. For cleaning, use a tidy, dry cloth. Do not immerse the torque wrench in detergent for this might affect the lubricant that the wrench is equipped with.
- Always store the torque wrench at its lowest setting value.
- Before tightening screws, make sure that the threads are lightly oiled and free of dirt.
- Insert the torque wrench so that the desired torque is approximately in the middle of a scale range and not at its upper limit.

Operating the wrench

Caution! When setting the torque wrench, observe the vehicle manufacturer's indications.

1. Take the torque wrench in your hand so that you always can see the scale. Turn the knurled or hexagon screw counter-clockwise to release the lock.
2. Set the torque by turning the handle. Proceed as follows:

Example: 130 Nm

First set the value of the upper edge of the rotary handle to 126 Nm by turning it clockwise. Make sure that the "0" position is exactly aligned with the midline of the setting scale.

Now turn the "4" on the rotary handle scale clockwise to the midline of the setting scale to set the value of 130 Nm.

Lock the handle by turning the knurled or hexagon screw clockwise. Now the torque is set to 130 Nm, and the torque wrench ready to be used.



3. The socket wrench insert now must be placed on the square drive of the socket wrench. Afterwards place it on the nut or the screws and tighten. Make sure that tightening is quick, but not jerkily. Tighten until you feel and/or hear the wrench click.

Loosen tension, and the torque wrench is automatically reset for the next operation.

**After loosening the wrench, do not tighten it further!
Use extra care with low torques being set with the wrench clicking.**

Technical specifications

| | |
|-----------------------------------|-----------|
| Length of ratchet (mm) | 465 |
| Extensions of ratchet (mm) | 127 |
| Sockets (mm) | 17 and 19 |
| Weight (kg) | 20 |
| Torque range (Nm) | 28–210 |

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