

USER MANUAL

**Torque wrench for air conditioning
10-75Nm with flat tips,
set of 7 pcs.
QS51075**



26/07

PRODUCT DESCRIPTION

Professional torque wrench adjustable in the range of 10-75Nm with a set of interchangeable flat ends in sizes: 17, 22, 24, 26, 27, 29mm. Designed for precise and standard-compliant tightening only to the right (with an accuracy of $\pm 3\%$), e.g. in refrigeration and air conditioning. The wrench complies with DIN EN 378-2:2008-06 and meets the requirements for f-gas equipment specified in the UDT regulation necessary to obtain the FGaz certificate. The set is packed in a plastic cassette for easy transport and safe storage.

To specify the torque setting for each end:

17mm - 18Nm | 22mm - 42Nm | 24mm - 55Nm | 26mm - 55Nm | 27mm - 65Nm | 29mm - 65Nm

IMPORTANT: The wrench works in the full range of 10-75Nm, but the scale scale of the wrench is made in a specific way and only the torques are marked: 10Nm, 18Nm, 42Nm, 55Nm, 65Nm, 75Nm. Setting others other than the one marked will be a bit difficult.

Before being put on sale, each key undergoes rigorous quality control in our specialized laboratory at the company's headquarters in Lublin. Each key is issued with an individual calibration certificate in accordance with the PN-ISO 6789-2:2017 standard. In the interest of the highest precision, measurements are performed on certified instruments, and all transducers used in our Lublin laboratory undergo an annual audit in an accredited DAKKS laboratory in Germany.

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Setting the torque value:

- Slide the lock switch towards the handle and hold.
- While holding the lock switch, turn the handle clockwise until the center line on the main scale coincides with the line marking "0" on the auxiliary scale (Fig. 1). **ATTENTION!** In order to correctly set the key to 18Nm or 42Nm, the center line on the main scale should coincide with the line denoting 18Nm (Fig. 2) or 42Nm (Fig. 3) on the auxiliary scale, respectively.
- Release the lock switch towards the ratchet until the handle locks. Check that the handle is locked correctly. **WARNING: IMPROPER LOCKING OF THE HANDLE MAY RESULT IN DAMAGE TO THE WRENCH.**

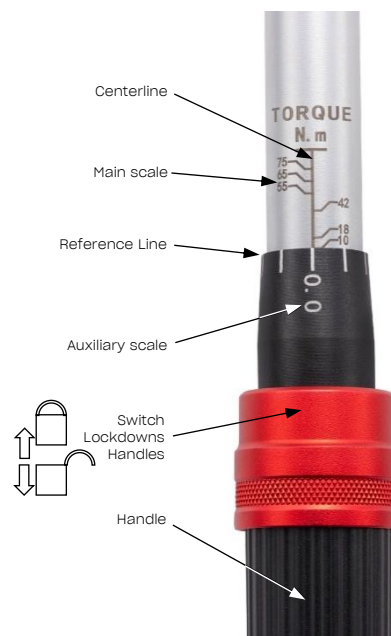


Fig. 1



Fig. 2



Fig. 3

Using a torque wrench:

- Install the correct tip.
- Set the appropriate torque value depending on the selected tip according to the instructions shown above.
- Once you have set the torque value, you can get to work. Hold the handle of the key (Fig. 4) and gradually (without making sudden movements or jerks) increase the force of pressure on the key until you hear a "click" sound. NOTE: ONCE YOU HEAR THE "CLICK" SOUND, YOU CANNOT CONTINUE – DAMAGE TO THE WRENCH OR THE WORKPIECE TO BE TIGHTENED IS POSSIBLE!
- The force with which the wrench is pressed should be adjusted to the value of the set torque – the higher the torque set, the greater the force applied.
- When you are finished using the key, you must set the minimum torque value.

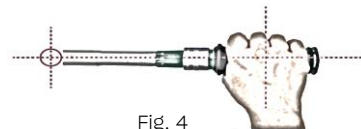


Fig. 4

Replacing the tips

The torque wrench socket contains release balls located on both sides, so it is possible to install the bits in two ways, rotating by 180°. It should be noted that the tips have a locking ball on only one of the planes. Therefore, in order to remove the tip, you need to press on the release ball, which is located on the side of the tip without the size of the wrench knocked out.

Remarks

- The QS51075 wrench is used to tighten connections with the right thread only.
- Do not make sudden movements or jerks when tightening.
- Do not overload the wrench by exceeding the currently set torque.
- The wrench must not be used to remove screws.
- The key must be protected from falling and mechanical damage.
- Do not expose the wrench to high temperatures, high humidity, or direct sunlight.
- Do not clean the key with petrol, solvent or corrosive cleaning agents. Do not immerse the wrench in any cleaning fluid.
- Keep the key away from dust, oil, and other debris.
- Each QS51075 wrench is calibrated according to PN-ISO 6789-2:2017 and its torque accuracy is $\pm 3\%$.
- It is recommended to check the wrench at least once a year or every 5000 cycles.

WARRANTY CONDITIONS

1. TECHSAM warrants the proper operation of the product for a period of 12 months from the date of purchase.
2. The warranty includes free removal of defects and factory defects revealed during the warranty period.
3. The warranty does not cover mechanical damage or damage caused by improper use of the product.
4. The warranty expires if repairs or alterations are found by unauthorized persons.
5. The condition for considering the warranty is the presentation of the warranty card together with the complained product at the service point or at the point of sale.
6. The warranty is valid only with the seller's stamp and the date of sale.
7. Warranty and post-warranty service is provided by the importer.

P.W. TECHSAM WOCH Sp. J.
al. Warszawska 131
20-824 Lublin
tel. +48 81 444 63 73
E-mail: techsam@quatros.pl

Date of sale

Seller's signature and seal