

OWNER'S MANUAL

QS59 series Torque Wrenches



24/11

DESCRIPTION

Torque wrench with 72 teeth ratchet mechanism allowing tightening only in the clockwise direction with an accuracy of $\pm 3\%$. Each torque tool is identified by its unique serial number and it is provided with individual calibration certificate in accordance with ISO 6789:2017 standard. Calibration process is made on EU territory and calibration certificate is provided in PL & EN language by default (other languages available upon special request).

Specification:	QS59006	QS59015A	QS59025	QS59060	QS59120	QS59220	QS59330
Range:	1-6Nm	2-15Nm	5-25Nm	10-60Nm	20-120Nm	40-220Nm	60-330Nm
Drive:	1/4"	1/4"	1/4"	3/8"	1/2"	1/2"	1/2"
Graduation:	0.05Nm	0.05Nm	0.25Nm	0.5Nm	1.0Nm	1.0Nm	1.5Nm
Accuracy:	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$
Length:	220mm	220mm	250mm	320mm	450mm	530mm	590mm
Weight:	0.30kg	0.30kg	0.36kg	1.28kg	0.50kg	1.30kg	1.38kg

OPERATING INSTRUCTION

Setting the torque value:

- Slide the lock switch towards the handle and hold it.
- While holding the lock switch, turn the handle clockwise until the center line on the main scale aligns with the line marking "0" on the secondary scale. The wrench is set for the lowest value visible on the main scale, e.g. 60Nm (Example 1). To increase the set torque by the value on the secondary scale, continue turning the handle until the center line on the main scale aligns with the line marking the selected value on the secondary scale. The wrench is set for the sum of the values on the main and secondary scales, e.g. 66Nm (Example 2).
- Release the lock switch towards the ratchet until the handle locks. Check that the handle is properly locked. NOTE: IMPROPER LOCKING OF THE HANDLE CAN RESULTS IN DAMAGE TO THE WRENCH.

Using a torque wrench:

- After setting the wrench parameters, you can start working. Grasp the wrench handle (Fig. 1) and gradually (without making sudden movements or jerks) increase the pressure on the wrench until you hear a "click" sound. NOTE: AFTER HEARING THE "CLICK" SOUND, DO NOT PULL ANY FURTHER - POSSIBLE DAMAGE TO THE WRENCH OR THE ELEMENT BEING TIGHTENED!
- The force with which the wrench is pressed should be adjusted to the value of the set torque – the higher set torque, the greater force should be used.
- After using the wrench, set the minimum torque value.

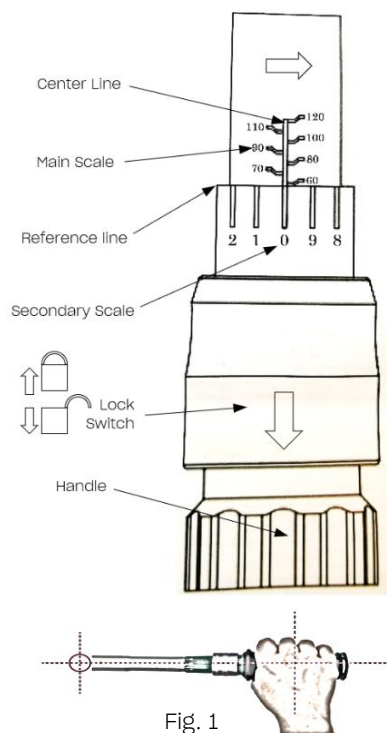
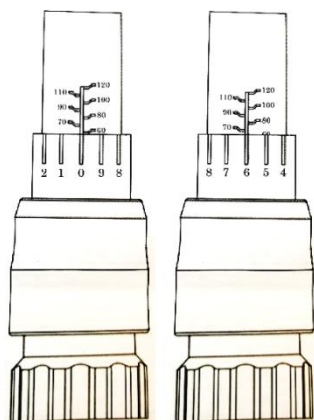


Fig. 1



Example 1:
60Nm

Example 2:
66Nm

Example 1: Set value 60Nm - Reference line coincides with the value "60" on the main scale. "0" on the secondary scale is centered in relation to the center line of the main scale.

Example 2: Set value 66Nm - Reference line is between the value "60" and "70" on the main scale. "6" on the secondary scale is centered in relation to the center line of the main scale.

Important:

- QS59 series wrenches are used for tightening only in the right direction.
- The wrench must not be used to unscrew screws or as a ratchet.
- When using the wrench for the first time or after a long period of not using it, the wrench should be used several times to lubricate the mechanism.
- When the wrench is not used, the minimum torque value should be set to loosen the screw.
- The wrench must not be cleaned with gasoline or solvent.
- Each QS59 series wrench is calibrated according to PN ISO 6789:2017 and its accuracy is $\pm 3\%$.
- It is recommended to check the wrench at least once a year or every 5000 operations.

WARRANTY CONDITIONS

1. P.W. TECHSAM Woch Sp. J. with its registered office in Poland at Lublin, 131 Warszawska Avenue guarantees the highest quality of Quatros tools and workshop equipment. Warranty period for products is 12 months from purchase date excluding batteries being part of tools for which warranty period is 6 months from purchase date.
2. This warranty does not apply to normal wear and tear of spare parts or any damage caused by improper maintenance (including overloading of tool, using power tools with hand-operated tools, inefficient thread greasing etc.).
3. Complaint shall be filed at place where the tool was bought.
4. Faulty tool or equipment is repaired or replaced in 14 days from date of its receive unless additional expertise written by manufacturer or expert is needed or replaced tool/part has to be delivered from manufacturer or unexpected occurrence like flood, conflagration, strike, natural disease, embargo, break in production etc. takes place.
5. In case of sets warranty is limited to repair or replacement only complained part of the set, not whole set.
6. Due to specific working conditions this warranty does not apply to:
 - hand-operated bits and socket bits, power bits and power socket bits,
 - screwdrivers if type of damage is caused by using with inappropriate screw size or overloading.

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Sale date

Signature and company stamp