



Torque Wrench 1-6 Nm

Version 12/12

Item no. 81 91 61

Intended use

The torque wrench is only intended for tightening of screws, nuts or bolts with an adjustable torque of 1 - 6 Nm.

Please read these operating instructions carefully to ensure safe use and operation of the product. Keep these operating instructions in a safe place for future reference. Always observe the safety instructions and all other information included in these operating instructions.

Any use other than that described above is not permitted and can lead to damage of this product; this can also lead to danger for the user.

This product complies with the applicable national and European requirements. All names of companies and products are the trademarks of the respective owners. All rights reserved.

Package Contents

- Torque wrench
- Operating Instructions

Safety Instructions



The warranty will be void in the event of damage caused by failure to observe these safety instructions! We do not assume any liability for any consequential damage!

We shall not accept liability for damage to property or personal injury caused by incorrect handling or non-compliance with the safety instructions! In such cases, the warranty will be null and void.

- For safety reasons, any unauthorised conversion and/or modification to the product is not permitted.
- The product is not a toy and it should be kept out of the reach of children.
- Check the product for any damage before using it. If you notice any damage, do not use the product any longer.
- When using the torque wrench, observe the safety and accident prevention regulations applicable in your country.
- Don't use any lever extension (to increase the leverage while working with the torque wrench). This will lead to damage of the torque wrench.
Don't use any attachments with joints either as these may affect the torque value.
Do not overload the torque wrench. The torque wrench may not be used to loosen screws, nuts or bolts.
Never use the torque wrench as a striking tool, this will destroy it.
- Only attach the torque wrench to the screw/nut/bolt at a right angle. Do not tilt it, otherwise this will lead to a wrong torque when tightening the screw/nut/bolt.
- Hold the torque wrench by its handle when tightening a screw, nut or bolt.
- During operation or storage of the torque wrench, protect it from humidity, dust and dirt, oil or chemicals. Also never drop it; it will become damaged and unusable.
- The torque wrench is a hand tool calibrated by the manufacturer. For this reason, it must be handled with care.
- If you have any reason to assume that the torque wrench is inaccurate/has deviated from the calibration range (e. g. after being dropped), do not use it any longer.
- In schools, educational centres, hobby and self-help workshops, the use of the product is to be supervised by trained employees in a responsible manner.
- Do not leave the packaging material carelessly lying around, since it could become a dangerous plaything for children.
- If you are in doubt about how to use the device correctly, or have any questions not covered by these operating instructions, please contact our technical support or another specialist.

Controls

- 1 Switch lever for left/right
- 2 Push-button to lock the socket wrench
- 3 Square drive with locking ball
- 4 Head piece
- 5 Torque scale
- 6 Locking ring
- 7 Handle



Setting the torque

- Pull the locking ring (6) in the direction of the handle (7) and hold it there.
- Rotate the handle and set the desired torque by means of the scale (5). The rough scale is scaled in steps of 0.5 Nm, the fine scale (moves while turning the handle) in steps of 0.05 Nm. With this division of rough and fine scale the torque of 1 - 6 Nm can be accurately set in steps of 0.05 Nm.

- Release the locking ring (6) so that it locks in place (in steps of 0.05 Nm).



Do not overwind the handle. The torque value that you set, must be within the limit values of the torque wrench's adjustment range (1 - 6 Nm).

Using the torque wrench

- First set the desired torque, see above.
- Depending on the screw, nut or bolt that you want to tighten with a specific torque, a suitable socket wrench insert matching the square drive (3) must be used (6.35 mm/1/4").



Do not use the torque wrench with adapters for other square sizes but only with a socket wrench insert of the same size as the torque wrench's square drive (3).

- Press and hold the push-button (2) and attach the insert of your choice into the square drive (3). Release the push button (2). The locking ball in the square drive now locks the socket wrench insert in the square drive (3).
- Select the rotational direction (left or right) using the switch lever (1).
- Now tighten the screw/nut/bolt slowly and evenly with the torque wrench, until you hear a click noise of the torque wrench and simultaneously feel a mechanical movement which indicates that the torque has been reached.



The higher the adjusted torque, the louder the click noise and the stronger the perceptible mechanical movement.

- If the torque wrench is no longer needed, you have to unclamp it by setting the torque to "1 Nm".



If the torque wrench is not loosened, this may cause the actual torque to deviate significantly from the scale in the long run.

Maintenance and Cleaning

The product does not require any maintenance and should never be disassembled for any reason. Servicing or repair may only be carried out by a specialist.

Only clean the product with a soft, clean, dry cloth.

Technical Data

Torque range	1 - 6 Nm
Accuracy	±3%
Drive	6.35 mm (1/4")
Dimensions	210 x 26.5 x 17 mm (L x W x H)
Weight	300 g

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