

## Precautions

- Tighten in a steady and controlled manner and stop applying pressure immediately the required setting has been reached. Tightening too quickly or in a jerky manner will result in an inaccurate final torque figure.
- Take care to stop applying further torque once the desired setting has been reached. Over-torquing can damage the wrench.
- Do not adjust **down** to another torque setting; adjust down to zero then back **up** to the desired torque setting.
- After using the wrench, unlock and turn the adjusting lever to the lowest setting for storage. The lever will stop when the lowest setting has been reached.
- Keep the breaker mechanism lubricated with HP grease.
- Never use the torque wrench to tighten a fastener to a higher torque than the maximum torque setting.
- Do not use the torque wrench as a breaker bar.
- Take care of the torque wrench and keep it clean; do not store in areas of high temperature or humidity.
- Do not use any cleaning material or solvent that may affect the grease in the breaker mechanism.

## Torque Wrench Calibration

To ensure continued accuracy we recommend that the calibration is checked every six months, or after an impact or other misuse. Our technical department now have the facility to handle this for you. Complete the online registration and we will remind you in six months. There is a £15 (incl VAT) charge for this service and you will receive a new certificate.

Please visit: [www.lasertools.co.uk/registration](http://www.lasertools.co.uk/registration) for your online Guarantee/Registration



**Safety First. Be Protected.**

## Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: +44 (0) 1926 818186. Normal wear and tear are excluded as are consumable items and abuse.

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5622 | 5623 | 5624

# LASER®

## Torque Wrench

With 1/2"D Push Through Ratchet

## Instructions



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## Professional Torque Wrench

This professional quality torque wrench comes with its own certificate of test and calibration. The shaft of the wrench is marked up in Newton metres (Nm), pound-foot (lb-ft), kilogram metre (kg-m) and pound/inch (lb-in).

When selecting a torque wrench, determine what the average or most common torque setting will be when you use it. Then choose a torque wrench that will adequately cover your anticipated torque specifications by selecting one with an appropriate scale for your requirements. This torque wrench is available in three scale ranges:

Part Number	Range
5622	25 - 135 Nm   18.5 - 100 lb-ft
5623	50 - 225 Nm   40 - 166 lb-ft
5624	70 - 330 Nm   52 - 244 lb-ft

This torque wrench is ideal for use in noisy environments as the progressive torque build-up to the selected setting is easily detected by three clear signals:

- Sight: the mechanism can be seen moving towards the break point as the load is applied.
- Touch: the operator can feel the torque build-up and then the very positive click at the break point.
- Sound: audible click at break point.

The handle is free to rotate on the wrench's shaft so any twisting of the handle when torquing up a nut will not affect the accuracy of the device. Changes to the torque setting are carried out by pulling a lever-bar from the end of the handle which is then rotated to obtain the correct torque setting.

Unlike many other designs of torque wrench, the mechanism pivots around the square drive and thus the wrench is not length-dependant; there is no error or variation to the application of the preset torque value, no matter where the handle is held.

The 1/2" drive shank can be pushed through the body of the wrench which enables the wrench to torque up right-hand or left-hand threads equally easily.

## Instructions

1. Refer to diagram. To adjust torque, first pull the end cap **(A)** back to release the adjusting lever **(B)**.
2. Rotate the adjusting lever clockwise to raise the desired torque figure and anticlockwise to lower. Refer to the dual scale **(C)** and adjust to the desired torque.
3. Lock this figure by pushing the adjusting lever **(B)** back into the body of the wrench and close the end cap **(A)**.
4. Commence tightening the fixing. You will feel and hear the wrench mechanism give (or click) when the set torque is reached. Immediately stop applying tension to avoid over- tightening.

