

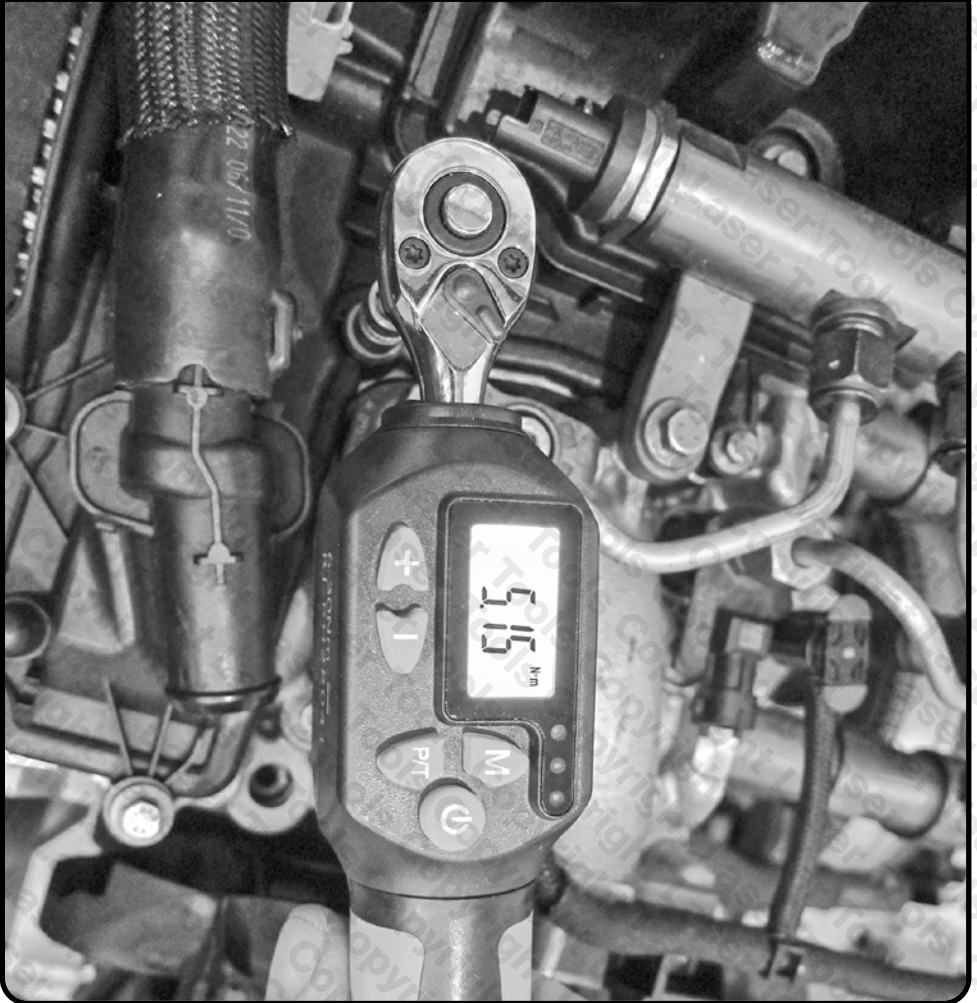
LASER®

Part No. **6205** (1/2"D)

Part No. **6206** (3/8"D)

Part No. **6207** (1/4"D)

Digital Torque Ratchet



www.lasertools.co.uk

Specifications

	6205 1/2"D	6206 3/8"D	6207 1/4"D
Range:	20 - 100Nm (14.8 - 73.8 lb-ft)	12 - 60Nm (8.9 - 44.3 lb-ft)	6 - 30Nm (4.4 - 22.1 lb-ft)
Accuracy:	2%	2%	4%
Scale:	Nm lb-ft lb-in Kg-m	Nm lb-ft lb-in Kg-m	Nm lb-ft lb-in Kg-cm
Length:	255mm	210mm	200mm
Weight	770g	580g	420g
Batteries:	2 X AAA 1.5 V		
Battery Life:	55 hours		
Operational Ambient Temperature:	-10°C - 60°C (13.9°F - 139.9°F)		
Storage Temperature:	-10°C - 60°C (13.9°F - 139.9°F)		
Relative Humidity	15 - 90% noncondensing		
Auto Shut-off:	70 seconds		
Ratchet Repair Kit Part Number:	2659	2660	2661

Register your product!

Our Warranty Policy on serial-numbered items gives 12 months warranty from date of purchase, which in the case of torque wrenches means we will test the calibration, repair or replace if necessary and return the goods free of charge.

Upon manufacture, a calibration certificate is produced on the date the product is tested, before it is dispatched. This is included with your purchase.

The product is new and unused until its sold, so the purchase receipt date is the **start of use date**. If the product needs to be tested for certification purposes at 3, 6 or 12 month intervals (depending on the standard the workshop is working to) it should be tested 3, 6 or 12 months after the start of use date (purchase receipt date).

Register your Laser Tools torque wrench at:

<https://www.lasertools.co.uk/product-registration>

You will be asked to provide contact details, the serial number of the product, where the product was purchased from, and the purchase date.

Introduction

We would like to thank you for purchasing this Laser Tools torque wrench and hope it gives you many years of service. These new digital torque ratchets are designed to secure fasteners that need to be tightened to lower torque figures and when therefore over-tightening is a real risk. Smaller in length than a full sized torque wrench, they give a convenient and functional solution to this risk of over-tightening.

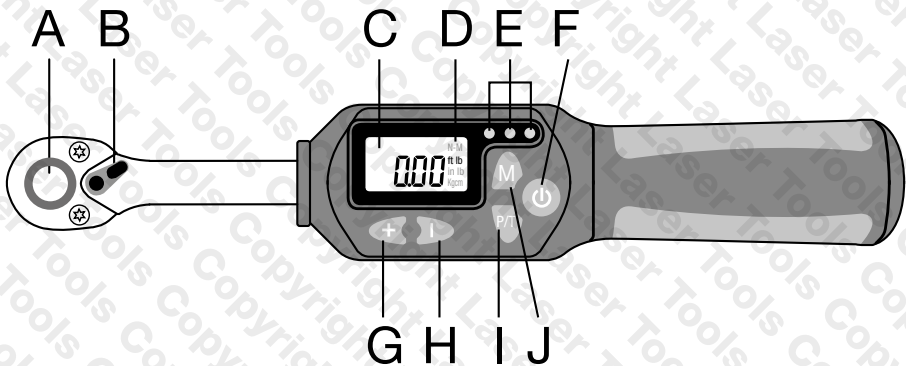
The 1/4" drive model (part number 6207) is a compact 200mm long and covers the range 6 - 30Nm (4.4 - 22.1 ft/lb); the 3/8" drive model (part number 6206) is 210mm long and ranges between 12 - 60Nm (8.9 - 44.3 ft/lb); the 1/2" drive model (part number 6205) is 255mm long and ranges between 20 - 100Nm (14.8 - 73.8 ft/lb).

With a clear digital display, they all feature a very smooth 72 tooth ratchet mechanism, batteries are included and they are very accurate (plus or minus 2-4%). Includes an automatic shut-off function. Supplied in a sturdy blow mould case for storage.

Maintenance of this precision tool is essential to ensure its continued service so we would like to remind you how to store and preserve its functionality (see page 6).

Controls

- A** Quick release mechanism
- B** Ratchet direction changeover lever
- C** Digital display
- D** Units indicator
- E** LEDs
- F** On / Off button
- G** Increase (+) button
- H** Decrease (-) button
- I** Peak/Trace button
- J** Memory button



Instructions

Refer to **Controls** diagram on page 3.

How to select the unit measurement scale:

1. Press **Memory (J)** and **Peak/Trace (I)** buttons together.
2. Release to select different torque measurement scales: 6205 Nm | lb-ft | lb-in | Kg-m, 6206 Nm | lb-ft | lb-in | Kg-m & 6207 Nm | lb-ft | lb-in | Kg-cm
3. The unit value will automatically change when the measurement scale is selected.

How to select torque settings and use the torque wrench:

1. Select and hold the **+ button (G)** and/or the **- button (H)** until the required torque figure is reached.
2. The target will display (flashing) for 10 seconds then revert to 0.0.
3. To reduce the setting continue to press and hold the **+ button (G)** until it goes past the maximum setting (for example, 100Nm, 73.8lb/ft), then set to the required torque figure.
4. Slowly and steadily apply torque to the fastener.
5. The LEDs (**E**) will flash and an intermittent warning beeper will sound when you are 20% away from the target torque.
6. When full torque is reached the LEDs will stop flashing (stay on) and a constant tone will be heard.
7. The required torque figure has been reached so do not apply further torque.
8. Tighten in a slow and controlled manner and stop applying pressure immediately the torque wrench indicates the required setting has been reached. ***Tightening too quickly will result in an inaccurate final torque figure.***

How to set peak and trace modes:

1. Press and release the **Peak/Trace button (I)** (with the wrench turned **On**).
2. The display will show **PtoP (Peak)*** or **trACE (Trace)***.
3. The display will revert to 0.0 after 2 seconds.
4. * — **Peak** display stays at highest torque setting reached; **Trace** display follows torque setting being applied, then returns to 0.

Memory:

1. Turn the wrench On with On/Off button (**F**).
2. Press the **Memory button (J)** and release.
3. The display will show the memory number **P01** then the torque setting for that memory position.
4. Press Memory button again for the next memory pre-set position.
5. The memory settings show the last torque figures set manually by the user. The display **P01** is the latest setting, **P50** would be the oldest setting.

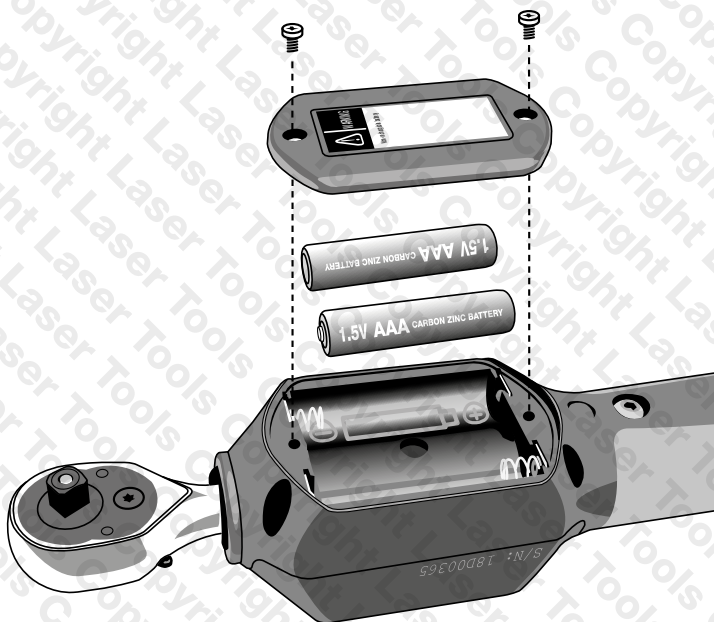
Turning Off:

1. If you do not use the wrench for 70 seconds the tool will turn off automatically.
2. To manually turn off the wrench press the **On/Off** button (**F**) button and hold for approximately 3 seconds.
3. The next time the torque wrench is switch on, the last used manually set torque figure will be remembered.
4. If the torque wrench is not to be used for a period, remove the batteries (see section below).

Changing the Batteries

The torque wrench is powered by two (2) AAA 1.5 V batteries (supplied).

1. The battery compartment is on the reverse of the instrument body. Open battery compartment cover by unscrewing and removing the two screws.
2. Refer to diagram below: install 2 x AAA 1.5 V batteries taking care to fit the batteries with the correct polarity orientation. This is clearly marked on the base of the battery compartment.
3. Fit the cover firmly into place and replace the two screws.
4. If the batteries are in poor condition the LCD will show “Lo” then shut down.
5. Dispose of batteries according to local authority guidelines.
6. Always remove batteries if the tool is stored and not in constant use.



Maintenance

- Always ensure your torque wrench is maintained in a dry, clean environment.
- Store the torque wrench in the case in which it was provided.
- Use a soft cloth to clean the tool and the display.

Reasons for Torque Wrench Malfunction

- Dropping or shaking the torque wrench.
- Overloading the recommended torque.
- Not using the torque wrench for a long period of time.
- Using the torque wrench in very hot or cold conditions ($-10^{\circ}<60^{\circ}\text{C}$), extreme humidity or direct sunlight.
- Using it to break a bolt (undoing).
- Using it as a breaker bar.

Precautions:

- Never use an extension bar.
- Never use a length of pipe to extend the handle of your torque wrench.
- Never submerge the wrench in water.
- Never clean the wrench with organic solvents.
- Do not dismantle the wrench.
- Tighten in a slow and controlled manner and stop applying pressure immediately the torque wrench indicates the required setting has been reached. ***Tightening too quickly will result in an inaccurate final torque figure.***



Safety First. Be Protected.

NOTES:

Warranty

If your torque wrench should fail or you suspect the calibration is out during the 12 months warranty period please contact our Service Department to arrange for the return.

If the torque wrench is found to be faulty an alternative will be offered or a discounted rate may be offered if there is any sign of misuse.

Service Department: 01926 818186

The Tool Connection Limited, Kineton Road, Southam, Warwickshire. CV47 0DR

Please do not return the product without consultation with our Service team.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



www.lasertools.co.uk



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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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