

Torque Wrench



ATTENTION

Read the operating instructions and all safety instructions contained therein carefully before using the product. Use the product correctly, with care and only according to the intended purpose. Non-compliance of the safety instructions may lead to damage, personal injury and to termination of the warranty. Keep these instructions in a safe and dry location for future reference. Enclose the operating instructions when handing over the product to third parties.

TECHNICAL DATA

Output Profile:	Outer square	Output Profile Size:	20 mm (3/4")
Min. Torque:	150 Nm	Max. Torque:	750 Nm
Fine Scale:	50 Nm	Accuracy:	± 3 %
Trigger CW:	Yes	Trigger CCW:	No
Length:	1210 mm	Ratchet:	48 teeth

INTENDED USE

This product is designed to tighten right-hand threaded screw connections to a pre-set torque value.

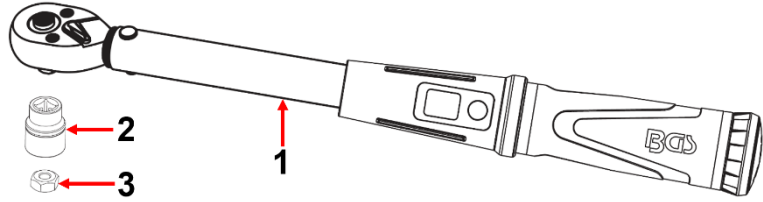
SAFETY INFORMATIONS

- Keep children and other persons out of the working area.
- Do not allow children to play with this product or its packaging.
- Do not use the product if parts are missing or damaged.
- Use the tool for the intended purpose only.
- Always keep a balanced and firm footing to avoid injury in unpredictable moments.
- Choose an appropriate type of torque wrench and socket according to the torque value required for the bolt or nut being tightened.
- Make sure the torque wrench is set correctly before using. The torque is set on the minimum value for shipment.
- Always set the torque wrench to lowest value when storing the wrench.
- Lightly oil the outside of the torque wrench if it is not to be used for a long time.
- In order to ensure the accuracy of the torque wrench, it must be verified once a year or after 5000 uses.
- Do not use the torque wrench as a hammer and avoid strong impact and dropping.

SELECTION GUIDE

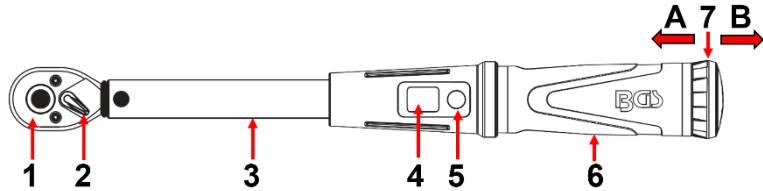
Select the appropriate type of torque wrench and socket according to the torque value required for the bolt or nut being tightened.

- 1 Torque wrench
- 2 Socket
- 3 Nut or bolt to be tightened



MAIN COMPONENTS

- 1 Ratchet
- 2 Reverse lever
- 3 Torque tube
- 4 Main / fine scale
- 5 Quick torque value reset
- 6 Handle
- 7 Locker (A=locked / B=unlocked)

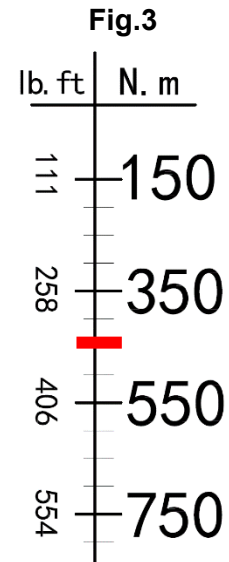
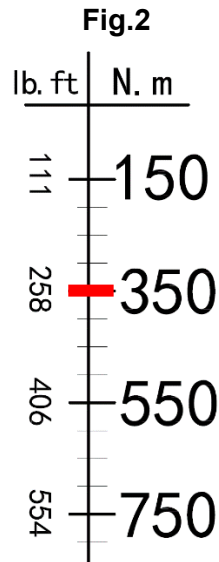
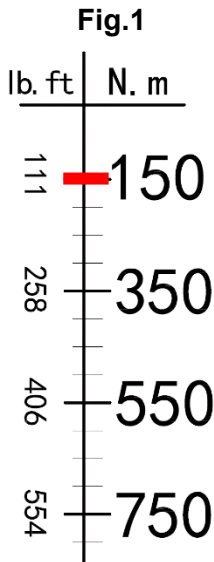


SCALE GRADUATION

lb. ft	lb. ft	N. m	Nm
111		150	150
148		200	200
184		250	250
221		300	300
258		350	350
295		400	400
332		450	450
369		500	500
406		550	550
443		600	600
479	650	650	
516	700	700	
554	750	750	

SET TORQUE VALUE (Example: 450 Nm)

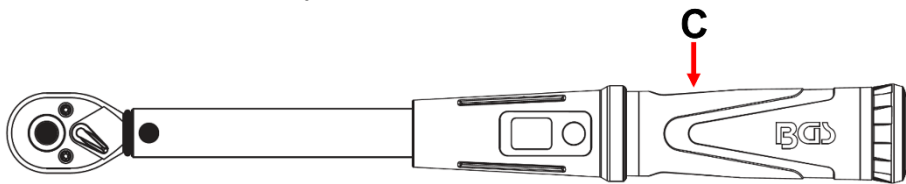
1. Pull back the locker (7) to unlock the handle (6).
2. Initial state is 150 Nm (Fig.1)
3. Turn the handle (6) clockwise until the scale is aligned with 350 Nm (Fig.2).
4. Continue to turn the handle (6) until the second graduation below 350 Nm is aligned (Fig.3).
5. The setting to 450 Nm is now complete.
6. Push the locker (7) to lock the handle.
7. Press the quick reset button (5) before storing the torque wrench.



TIGHTEN SCREW CONNECTION

1. Adjust to the desired torque value
2. Choose the correct socket.
3. Try to ensure 90 degrees to apply force during use. (C)
4. Uniform force during use, do not inertial force, so as not to damage the wrench and bolt.
5. Stop applying force when you hear a clicking sound, indicating that the torque value has been reached, do not continue to apply force.

Note: the size of the torque determines the loudness of the "click" sound, During the use of small torque, the "click" sound will not be obvious and there will be an obvious slip, during the tightening process, be sure to apply force at a constant speed.



ENVIRONMENTAL PROTECTION

Recycle unwanted materials instead of disposing of them as waste. Packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. Contact your local solid waste authority for recycling information. Dispose of this product at the end of its working life environmentally.

