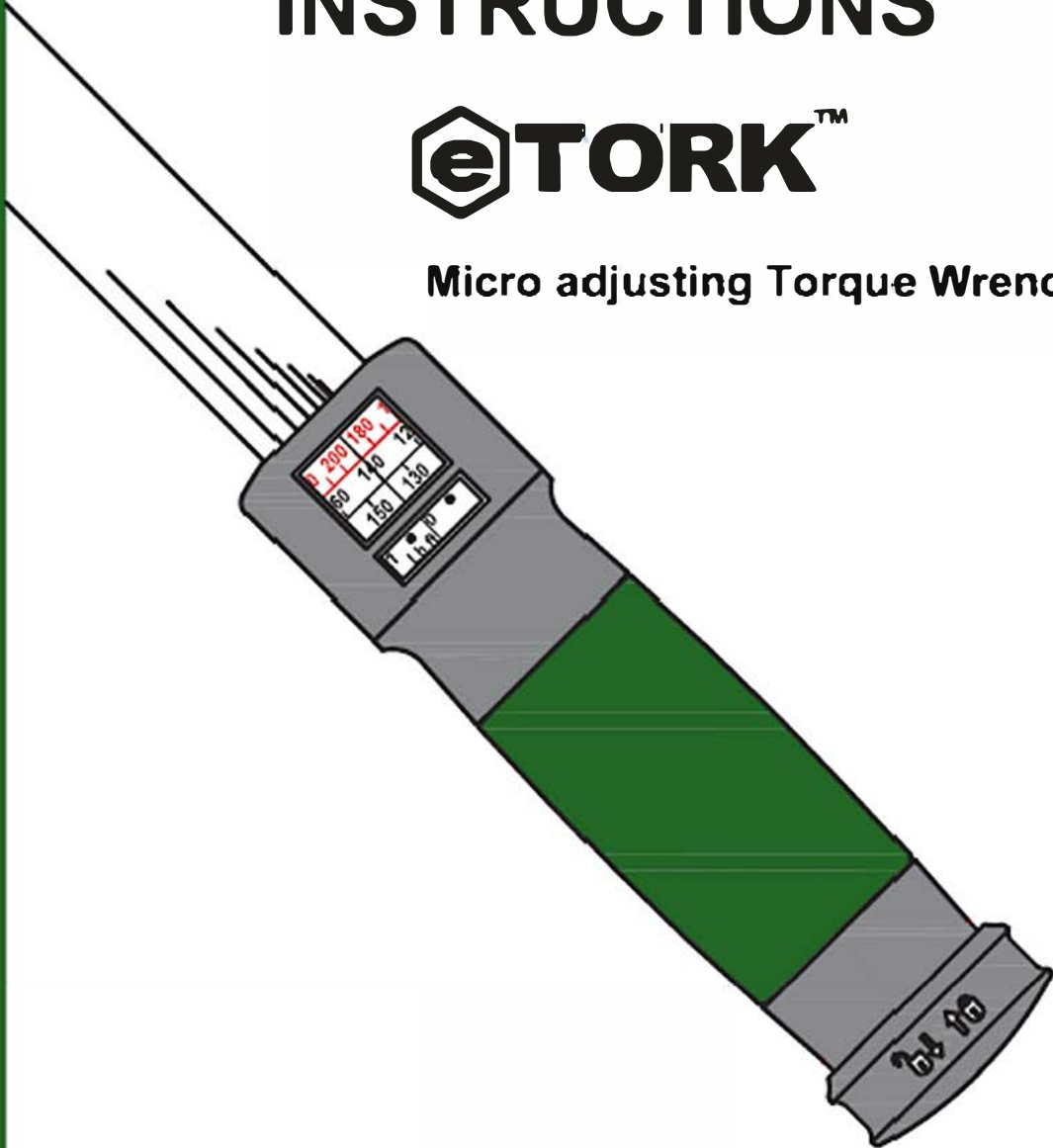


INSTRUCTIONS



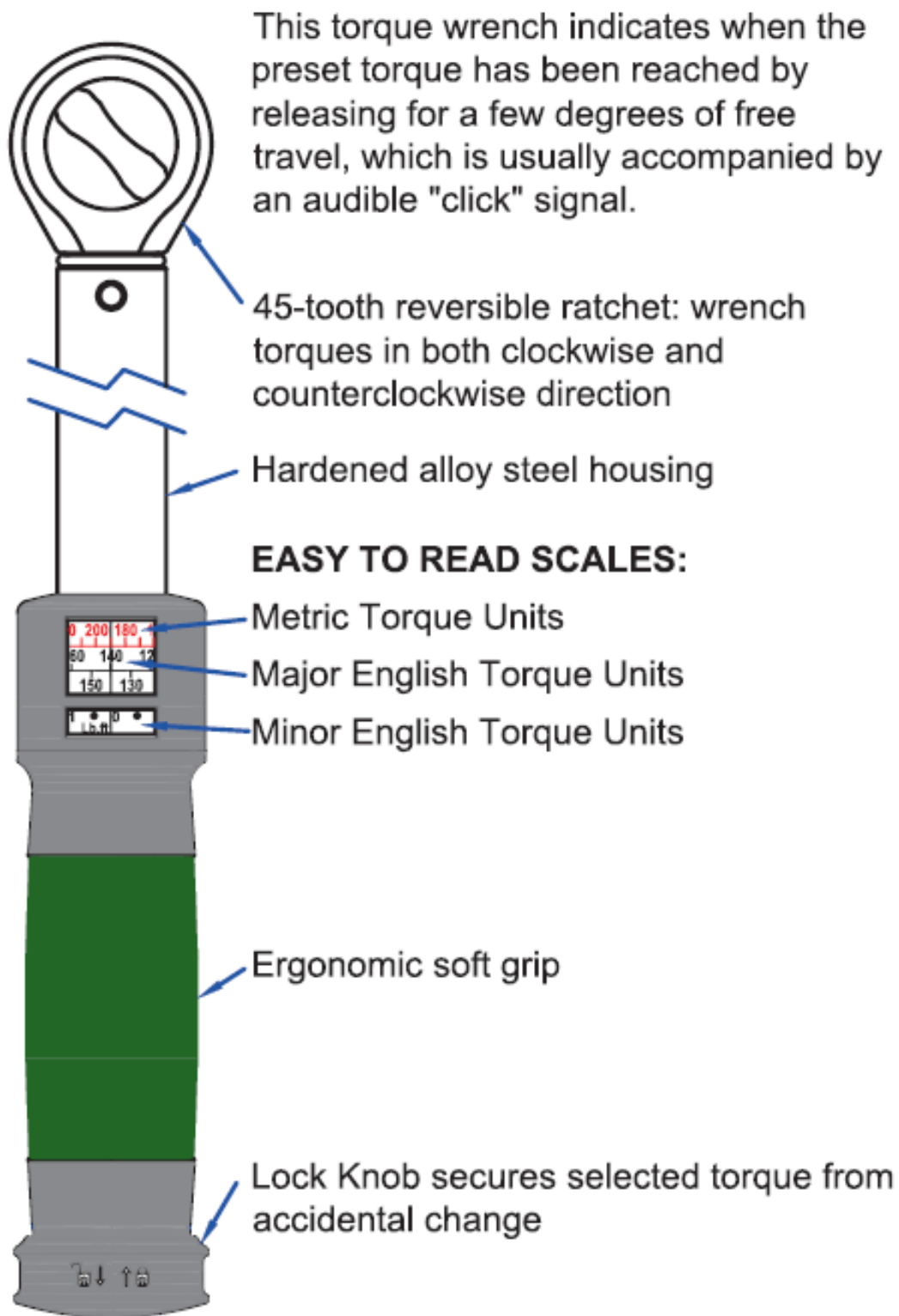
Micro adjusting Torque Wrenches



www.etork.com

READ BEFORE YOU USE

1. **This torque wrench is a precision instrument** intended to be used only to tighten screws, bolts and nuts to a desired torque. Do not use it as a "nut breaker", pry bar, or in lieu of a regular ratchet.
2. Do not apply torque in excess of the **maximum capacity of the wrench**.
3. **Apply load to the grip only**, and do not use any handle extension bars. Any such misuse will result in inaccurate readings, and it may damage the wrench.
4. Make sure that you adjust the wrench to the **exact torque units** your specifications call for, or you will severely under-torque or over-torque, causing severe damage to the equipment you are working on.
5. **Do not disassemble** the wrench for any reason. Highly stressed internal components may cause severe injury when released in an unintended manner.
6. The wrench should be **re-calibrated periodically**. The calibration of the wrench should be checked at least once a year, after any abnormal handling or overloading, or after 10,000 uses.



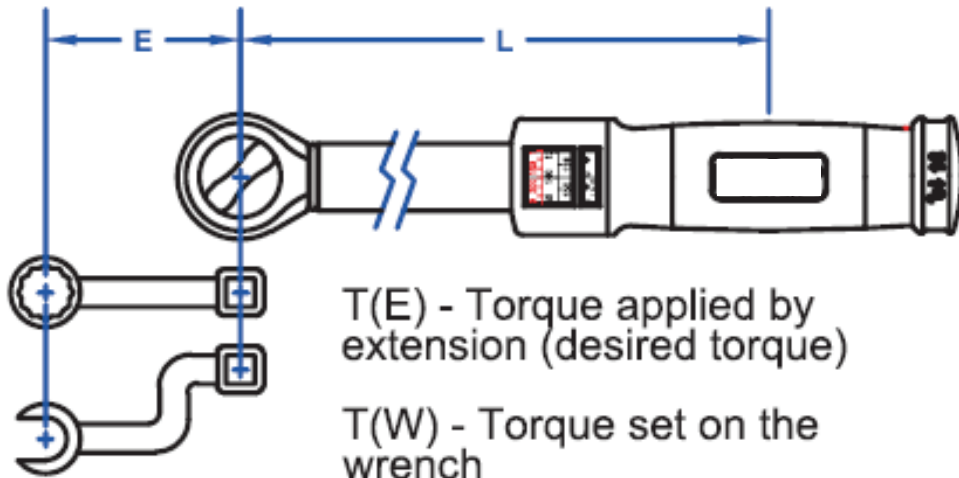
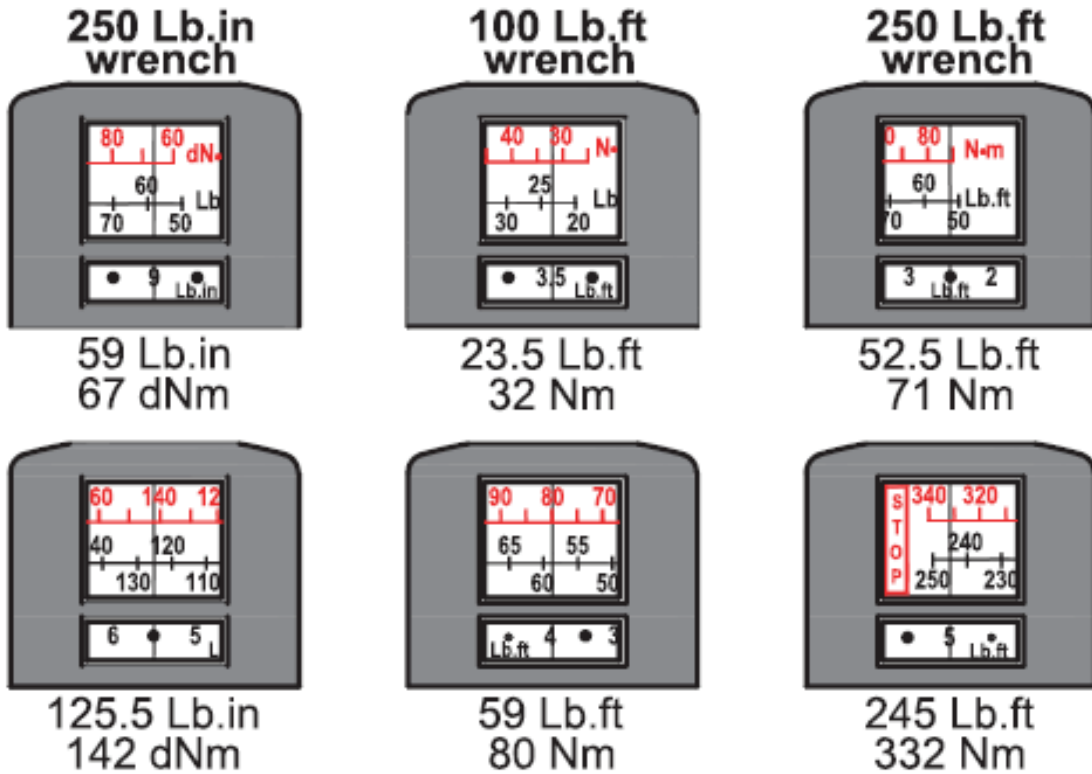
SETTING TORQUE

1. Pull the lock knob out. The locking and unlocking directions are indicated by appropriate icons on the lock knob.
2. Turn the grip in the clockwise direction to increase the torque, and in the counterclockwise to decrease it.
3. The major scales show the amount of torque in both English and metric units. The minor scale shows fine increments in English units. See examples on the next page.
4. Push the lock knob in to lock the grip. The minor scale may move a small amount to either side of the centerline mark without affecting the accuracy of your setting.

USE OF EXTENSIONS

Extensions that put the center of the fastener being tightened away from the centerline of the ratchet drive, result in the effective torque being different from the one shown on the wrench. Consequently, the torque set on the wrench must be corrected using the formula shown on the next page.

EXAMPLES OF SETTINGS



$$T(W) = T(E) \frac{L}{L+E}$$

APPLYING TORQUE

1. Insert an appropriate socket or drive attachment onto the square drive of the ratchet and onto the fastener you want to tighten.
2. Apply hand pressure to the grip, and **ONLY TO THE GRIP**. You may support the wrench at the ratchet head with the other hand to steady it, especially when using long socket extensions, without appreciably affecting the accuracy of the wrench.
3. If, due to the required effort, you need to use both hands, put the other hand on the top of the first hand, never on any other part of the wrench.
4. Apply slow and steady pull or push until the wrench momentarily releases, with or without a distinct "click" sound. Release the pressure right at this point. **DO NOT OVERTORQUE!**

SAFETY WARNING

Overtorqued or defective fasteners, sockets, as well as the wrench itself, may suddenly break causing you to lose balance, fall, or to suffer other trauma. Be sure that you have firm footing, are properly balanced, and if necessary are using appropriate harness, back support, or other safety device.

MAINTENANCE

1. When not in use, adjust the wrench to its lowest reading and store it in the provided case.
2. With the exception of the ratchet mechanism, do not lubricate the wrench. The ratchet mechanism may be lubricated as needed with a few drops of light machine oil.
4. Do not use acetone or other solvents to clean the wrench, use window cleaners or denatured alcohol applied with a clean cloth instead.
5. With the exception of the ratchet mechanism, there are no user-serviceable parts. For repair and/or re-calibration information, call 1-678-439-8782

LIFETIME WARRANTY

The manufacturer warrants this product against defects in material and workmanship except for re-calibration and for damage resulting from over-torquing and other abuse. Calibration is guaranteed for a period of one year from the date of purchase. This warranty excludes incidental and consequential damages, except as might be specifically required by law in some states. For warranty work, contact us at www.etork.com

CERTIFICATION

This torque wrench is certified to have been calibrated prior to shipment to the accuracy of +/- 3% in the clockwise direction, and +/- 6% in the counterclockwise direction

OWNER'S INFORMATION

Date Purchased: _____

Place Purchased: _____

Serial Number: _____

NOTES and SERVICE RECORD: