FEATURES

- Operates and ratchets in clockwise directions.
- Lock ring prevents accidental change of torque setting.
- All parts corrosion-proofed. Wrench made of highest quality heat-treated steel, and finished with tough, durable chromium-nickel plating.

Properly trained workers shall take the following precautions to help prevent personal injury when using torque wrenches: utilizing personal protective equipment (PPE) that meets applicable OSHA standards, CSA Z462 & NFPA 70E workplace safety guidelines as required.

CERTIFICATION

These torque wrenches are calibrated prior to shipment from the factory and recalibrated with a tolerance of +/- 4% clockwise (right-hand) accuracy of upper 80% range to ASME B107.300 and B107.14M.

LIMITED LIFETIME WARRANTY:

Our commitment to quality enables us to offer an unparalleled warranty. The Cementex Limited Lifetime Warranty guarantees the mechanical parts of the tools for life, provided they are used for the purpose for which they are intended. Insulation is guaranteed to be free from defects in material and workmanship for a period of two (2) years from the date of the shipment. Insulation is guaranteed to pass a 10,000 VAC proof test in accordance with applicable U.S. and International Standards and rated for application to 1000 VAC or 1500 VDC.

Prior to each use each insulated tool is to be inspected for cuts, cracks, or other damage. If the yellow insulation becomes visible through the orange outer layer, the tool is not repairable and must be removed from service immediately. Insulated tools are to be used as secondary protection and are not meant to be used in place of other personal protective equipment. Cuts, cracks, or other damage to the tool insulation caused by usage of the tool is not covered under warranty.

Warranty coverage for repairs is contingent on maintaining annual calibration.

The calibration sticker indicating last service date must remain intact. Removal or absence of this sticker prevents verification of calibration status and may void warranty eligibility. ***NOTE:*** A recent calibration certificate with serial number will qualify as verification of annual calibration.

The Torque Wrench Recalibration and RMA Authorization forms can be found in the Order Forms section at the bottom of our website at www.cementexusa.com.

Cementex

The Safety Tool Specialists

OPERATING INSTRUCTIONS: Micrometer Adjustable Torque Wrenches

This manual covers all Cementex torque wrench models with the exception of Preset models.

All drives, profiles (including Non-Ratcheting) will operate the same. Heads are not interchangeable. All models are clockwise only.

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Micrometer Adjustable TW Operating Instructions
Date: 04-22-2026 Rev 2

ADJUSTING THE TORQUE WRENCH

IMPORTANT: To prevent damage to the adjusting mechanism. Do not turn the GRIP with the LOCK RING in the lock position.

PULL DOWN AND HOLD TO ADJUST

RELEASE HOLD TO LOCK

1. To unlock the torque wrench, hold the handle grip with one hand, and pull the lock ring down until it stops, maintain while adjusting.
2. Rotate the grip (clockwise) until the "0" on the thimble scale reaches desired torque value on the major scale.
3. Continue rotating the grip if the desired torque value is between the numbers on the major scale. Add additional values as required on the minor scale to achieve the desired torque value. Refer to Examples of Torque Settings section.
4. To lock the wrench, release lock ring.
5. Reapply sleeve (boot) before using.

TIPS FOR PROLONGING TORQUE WRENCH LIFE:

- Grasp the sleeved GRIP, not the SHAFT.
- Clean thread surfaces and remove burrs from fasteners.
- Always return this wrench to its lowest calibrated value after use.
- Do not force handle past lowest or max settings.
- Make minor adjustments both before and after using the wrench.
- Use unit for intended purposes only. Banging or dropping may result in loss of precision.
- Annual calibrations are required to maintain integrity as well as warranty.

Scan for Cementex Torque Wrench Recalibration and Packing List Form

EXAMPLES OF TORQUE SETTINGS

Scale graduations are on the front of the shaft and the lock ring scale graduations are closest to the beveled edge.

On dual scaled units, graduations for each measurement are on the opposing side of the shaft.

American Standard:

1. For a torque setting of 64 inch pounds, rotate the grip until the "0" on the lock ring scale is aligned with the "60" on the "in. lb." major scale.
2. Continue rotating the grip clockwise until the "4" on the lock ring scale is aligned with the center line on the "in. lb." minor scale. The wrench is now set at 64 in. lbs. (60 + 4 = 64).
3. Release the lock ring in the lock position and reapply sleeve (boot) before using the wrench.

Metric:

1. For a torque setting of 16.63 Newton meters, rotate the grip until the "0" on the lock ring scale is aligned with the "16.4" on the "N•m" major scale.
2. Continue rotating the grip clockwise until the ".23" on the Metric thimble scale is aligned with the center line on the "N•m" minor scale. The wrench is now set at 16.63 N•m (16.4 + .23 = 16.8).
3. Release the lock ring in the lock position and reapply sleeve (boot) before using the wrench.

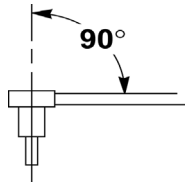
IMPORTANT: To prevent damage to the torque wrench, never apply more torque than the current setting capacity of the wrench.

HOW TO APPLY TORQUE

Micrometer Adjustable Torque Wrenches are designed to give an audible signal and/or impulse when force has been correctly applied to the hand grip and the desired torque attained.

IMPORTANT:

- The audible signal/impulse is an indicator that the correct torque has been reached. Over-torqueing beyond this point could cause fastener failure and compromise wrench integrity.
- Do NOT tilt the torque wrench handle during a torqueing operation. Tilting the handle can result in inaccurate torque and/or over-torqueing damage.



NOTE: When the wrench is set at the low end of the torque range, the strength of signal/impulse will be lower than when the wrench is set at the high end of the range.

1. Securely attach an insulated socket to the torque wrench square drive, if applicable.
2. Position the insulated socket squarely on a fastener, if applicable.
3. Grasp the center of the sleeve (boot) at the load point to ensure accuracy.

4. Turn the fastener down using a smooth and even force applied to the middle of the sleeve at the load point. As turning resistance increases, pull more slowly.

Non-Ratcheting Torque Wrenches restrict the ratcheting of the torque wrench and should only be utilized at the final stage of tightening to specification.