

Cementex

The Safety Tool Specialists

OPERATING INSTRUCTIONS: Preset Torque Wrenches



This manual covers all of Cementex's
Preset models.

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

Cementex Products, Inc.
650 Jacksonville Road | PO Box 1428
Burlington, NJ 08016 USA
800.654.1292 | cs@cementexusa.com
www.cementexusa.com

Preset TW Operating Instructions
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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.

FEATURES

- Operates and ratchets in clockwise directions.
- All parts corrosion-protected.
- 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.

AVAILABLE PRESET HEAD OPTIONS

IMPORTANT: Heads are not interchangeable. They are permanently bonded to the body of the wrench.



- **Ratcheting:** 1/4", 3/8", 1/2" Square Drive
- **Non Ratcheting:** 1/4", 3/8", 1/2" Square Drive

- **12pt Ratcheting Box:**

- **SAE**

- 5/16"
- 3/8"
- 1/2"
- 9/16"
- 5/8"
- 11/16"
- 3/4"
- 15/16"

- **Metric**

- 10mm
- 13mm
- 15mm
- 16mm
- 17mm
- 18mm
- 19mm
- 24mm

TIPS FOR PROLONGING TORQUE WRENCH LIFE:

- Grasp the sleeved GRIP, not the SHAFT.
- Clean thread surfaces and remove burrs from fasteners.
- 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



ATTRIBUTES

- Preset torque wrenches (single setting wrenches) do not have an adjustable scale with visible increments unlike click-type adjustable torque wrenches. Instead, they are calibrated to a specific torque value using a torque tester.
- All models are available in NM, In/Lbs, and Ft/Lbs.
- Set at the factory to the specified torque setting, and are furnished with a Certificate of Calibration.
- Audible click and feel impulse torque control mechanism.
- Designed for use on production lines and other applications where a specific torque is required for repetitive operations.
- Boots are lasered indicating the wrenches set value.



- The original torque setting can be changed at the time of recalibration.
 - Should the preset setting need to be changed at the time of recalibration, a new boot will be required indicating the new preset value.

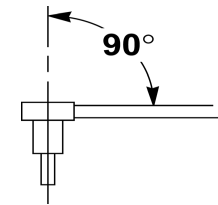
IMPORTANT: To prevent damage to the torque wrench, never apply more torque than audible click of the wrench.

HOW TO APPLY TORQUE

Preset 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-torquing 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.



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.