

A close-up photograph of a worker wearing a grey and blue uniform and white gloves. The worker is using a blue Williams torque wrench to tighten a bolt on a mechanical assembly. The assembly includes a black hose, a metal bracket, and a copper-colored pipe. The background is a light-colored, textured surface.

# WILLIAMS®

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## TORQUE SOLUTIONS

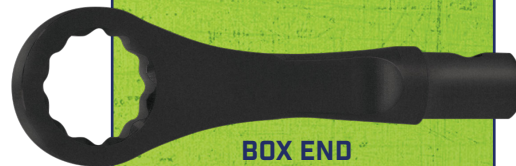
TIGHTEN EVERY FASTENER TO ITS EXACT SPECIFICATION



## INTERCHANGEABLE HEADS



FLARE END



BOX END



OPEN END



HEX KEY

### ADAPTS TO DIFFERENT FASTENING APPLICATIONS WITH A VARIETY OF HEAD OPTIONS

- Interchangeable heads are manufactured with a common center line so that the torque setting remains the same when head sizes are changed



**"BREAKS OVER"**  
when preset torque is reached,  
eliminating overtorquing

**NEW!**



TBHI TORQUE WRENCH  
3-12 LBF.IN  
1212507-0074

**SMALL AND LIGHTWEIGHT**  
ideal for applications with limited space

## TORQUE BREAKOVER WRENCH WITH INTERCHANGEABLE HEAD (TBH)

*PRESET FEATURE FOR FASTENING APPLICATIONS WHERE OPERATORS ARE REPEATEDLY ASSEMBLING PARTS AT THE SAME TORQUE SETTINGS*

- For manufacturing/assembly and process control
- The break-over mechanism minimizes shock to assemblies
- Factory pre-set models are set at the factory to the customer's specified torque setting and are furnished with a certificate of calibration
- Tamper-proof torque setting for production line use
- Unit of measure: in-oz, in-lb, cNm, kg-cm
- Accuracy:  $\pm 6\%$  CW of setting
- Meets or exceeds ISO 6789:2003
- Made in USA



### STURDY BODY CONSTRUCTION

insures maximum durability





# E SOLUTIONS FOR ALL INDUSTRIES

## DIGITAL TORQUE TESTER (DTT)

- For manufacturing/assembly, process control and data collection
- Sold as a kit with the tester, carrying case and AC/DC power supply
- Ability to customize between:
  - units of measure (ft-lb, in-lb, in-oz, Nm, kg-cm)
  - operating mode (Track, Peak, First Peak)
  - wrench type
- Includes certificate of calibration
- Highly accurate scale:  
( $\pm 0.5\%$   $\pm 1$  count 10-100% CW and CCW of indicated test value @ 25 °C)
- Accuracy:  $\pm 0.5\%$  of indicated test value from 10-100% of rated capacity
- Memory capacity: 500 records (complete check mode only)
- Operating Modes: Peak, First Peak, Track, Audit which is stored by serial number

**EASY-TO-USE TOUCHSCREEN**  
captures peak torque values during a test in real time



**ARTICULATING SCREEN**

**TEST THE HEALTH OF YOUR TORQUE WRENCHES AND SCREWDRIVERS ANYWHERE**

1001-I-DTTW  
10-100 IN.LB.

**MOUNTABLE** to a wall or in a bench-top vise

**LARGE, EASY-TO-READ DIAL** is shock resistant and protected by a tough metal guard



**TOUGH METAL GUARD** protects dial



**DOWNLOAD STORED TORQUE DATA** to a PC

## DIAL TORQUE WRENCH

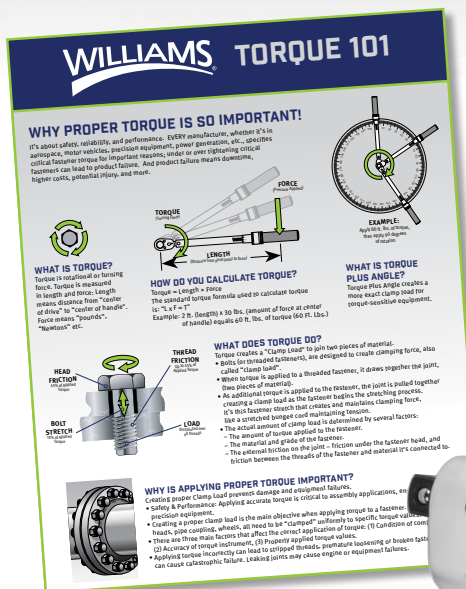
*DESIGNED FOR MANUFACTURING, ASSEMBLY, PROCESS CONTROL IN OIL & GAS, RENEWABLE ENERGY, MINING, HEAVY MANUFACTURING AND TRANSPORTATION*

- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Unit of measure: in-lb, ft-lb, Nm
- Accuracy:  $\pm 2\%$  of indicated value, CW and CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.
- Dual and single scale wrenches available
- Made in USA



# DO YOU KNOW IF YOU ARE APPLYING THE CORRECT TORQUE?

WILLIAMS OFFERS TORQUE SEMINARS AND CALIBRATION SERVICES SO YOU CAN FEEL CONFIDENT IN ALL OF YOUR INDUSTRIAL TORQUE APPLICATIONS.



## DID YOU KNOW?

Applying torque incorrectly can lead to stripped threads, premature loosening or broken fasteners that can cause catastrophic failure.



## TORQUE SEMINARS

Learn why applying correct torque is critical to proper assembly or maintenance operations.

**Work safely** – Learn how to handle torque tools safely and efficiently.

**Torque Fundamentals** – Broaden your knowledge of torque equipment and how it works.



**SCHEDULE YOUR NO CHARGE TORQUE SEMINAR TODAY.**

## TORQUE TOOL CALIBRATION

Applying accurate torque is crucial to assembly applications, engines and precision equipment. ASME recommends that hand torque wrenches are calibrated at least every 5,000 cycles or once a year.

### FACTORS THAT AFFECT A TORQUE TOOL'S CALIBRATION:

- Frequency of use
- Setting of the wrench as a percentage of full scale
- Care of the tool during storage and usage

### WILLIAMS OFFERS CALIBRATION EQUIPMENT TO TEST AND CALIBRATE:

- Torque wrenches
- Torque screwdrivers
- Torque multipliers
- Cable tensionmeters
- Tension and compression gauges
- Non-impact power tools

### WILLIAMS FACTORY SERVICE CENTER:

- Torque product repair
- Calibration services

**WILLIAMSFACTORYSERVICE.COM**



## VIEW OUR ENTIRE CATALOG OF WILLIAMS® INDUSTRIAL TOOLS

**Williams-Industrial.com**

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**2025 Q2 USA/CNE 0000930478 4/2025**