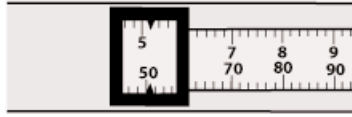
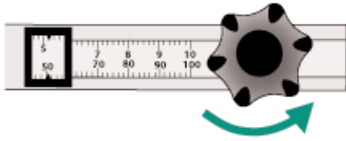


# STW (Springless Click Wrench) Operating Instructions

(Rev 2.0 10/6/11)

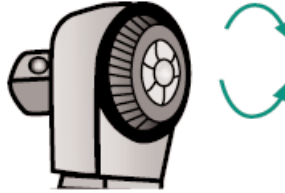


## Adjusting Torque Setting

1. Unscrew the knob.
2. Using the knob, slide the scale until the required pre-set torque sign corresponds to the notch.
3. Then tighten the knob.

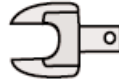
## Square Drive Models

1. Select the torque direction (clockwise or counterclockwise) by turning the collar until it locks.



## 16mm Spigot Models

1. Select the required head and insert it on the wrench.



## Applying Torque

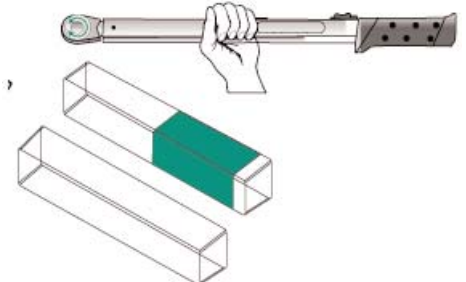
1. Tighten nut or bolt by applying a steady even pull using built in ratchet as necessary. Wrench should be kept at 90 degrees to axis of bolt during tightening. When pre-set torque is reached, the wrench will 'click.'
2. After the "click", do not apply any more torque or you will over tighten it.



## Calibrating Torque Wrenches

To calibrate torque wrenches either use a torque analyzer or torque transducer within the range of the torque wrench. For click torque wrenches calibrate torque in "First -Peak" mode with an analyzer or transducer. Make sure you apply the torque slowly and smoothly.

1. Select a torque analyzer or transducer that covers the torque range of the STW wrench. Connect wrench to the torque analyzer or transducer.
2. Apply torque clockwise slowly until wrench 'slips' and note reading.
3. Adjust wrench to required torque setting.
4. Test and repeat adjustment as necessary to obtain desired value.
5. Recalibrate torque wrench at prescribed intervals.



## Springless Design

Most externally adjustable click type wrenches must be returned to the lowest setting after use in order to minimize potential spring set, which can adversely affect reproducibility at other settings. The patented springless design of the STW wrench is not subject to potential spring set, which eliminates the need for the wrench to be turned back to the minimum scale value after being used.



## STW (Springless Click Wrench) Operating Instructions

(Rev 2.0 10/6/11)

### Mountz Calibration & Repair Services

Mountz Inc. features an experienced calibration and repair staff. Our trained technicians can calibrate and repair most any tool. Mountz provides rapid service with quality that you can trust as we offer three state-of-the-art calibration lab and repair facilities that can calibrate up to 20,000 lbf.ft.

With over 45 years of experience, Mountz's in-depth knowledge of torque is reflected in our tool's craftsmanship and our ability to provide solutions to both common and uncommon torque applications. We perform calibrations in accordance with ANSI/NCSL-Z540. Mountz is dedicated solely to the manufacturing, marketing and servicing of high quality torque tools.

Mountz is an ISO 9001 certified and ISO 17025 accredited company.

### Tool Service & Repair Capability

- Torque Wrench Calibration: Click Wrench, Dial Torque Wrench, Beam Wrench, Cam-Over & Break-Over Wrench
- Torque Screwdrivers: Dial, Micrometer, Preset & Adjustable
- Torque Analyzers/Sensors: All brands
- Electric Screwdrivers: All brands
- Air Tools: All brands  
Impact Wrenches, Drills, Pulse Tools, Grinders, Percussive Tools, Air Screwdrivers, Nutrunners, DC Controlled Nutrunners
- Torque Multipliers: All brands

### Mountz Torque Testers and Calibration Equipment

Torque tools go out of calibration with use. Calibrating a torque tool is a fine-tuning process of bringing the tool back within its tolerance. Torque testers can also be used for quick tools tests on the line or in the lab to determine whether torque tools are holding a given setting.

A regular torque tool calibration and re-calibration guarantees the operator repeatable accuracy and adherence to international standards. Torque testing also ensures torque equipment is operating to peak performance and can highlight potential tooling problems before they arise perhaps due to tool wear or broken components.

Controlling torque is essential for companies to ensure their product's quality, safety and reliability isn't compromised. The failure of a three-cent fastener that isn't properly tightened can lead to catastrophic or latent failures. Fasteners that are insufficiently torqued can vibrate loose and excessive torque can strip threaded fasteners. Using a quality torque tool has become increasingly important for many companies to ensure that proper torque is being applied and maintains gauge requirements associated with the ISO 9001 Quality Standard. Look for the Mountz hexagon logo - it's a stamp for quality tools, service and knowledge in the field of torque control.

### Mountz Service Locations

#### Eastern Service Center

19051 Underwood Rd.  
Foley, AL 36535  
Phone: (251) 943-4125  
Fax: (251) 943-4979

#### Western Service Center

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San Jose, CA 95112  
Phone: (408) 292-2214  
Fax: (408) 292-2733

#### Mexico Service Center

Mountz Mexico SA de CV Chihuahua  
Av. Cristobal Colon #15343  
Col. Paseos de Chihuahua  
Chihuahua, Chih. Mexico CP 31125  
Phone: (614) 481-0023  
Fax: (614) 481-0053

[www.mountztorque.com](http://www.mountztorque.com)  
[sales@mountztorque.com](mailto:sales@mountztorque.com)

Download a "Service Form" and include a copy when you send the tools in to be serviced.

Looking for fasteners?  
[www.mrmetric.com](http://www.mrmetric.com)

