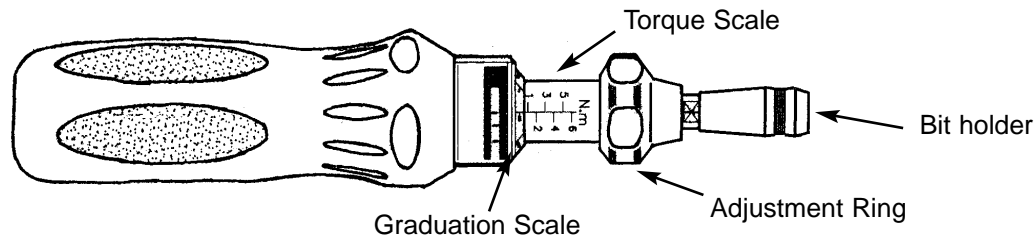


# Ergo Micro Torque (Externally Adjustable) Screwdriver Operating Instructions

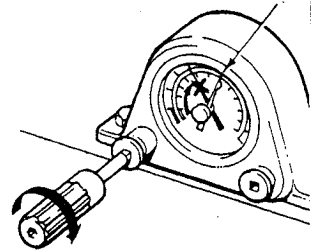
Rev 3.2 (4/18/2014)



## Calibrating Torque Screwdrivers

To calibrate torque screwdrivers either use a torque tester or torque sensor within the range of the torque screwdriver. For torque screwdrivers calibrate torque in "Peak" mode with a torque tester or torque sensor. Make sure to apply the torque slowly and smoothly.

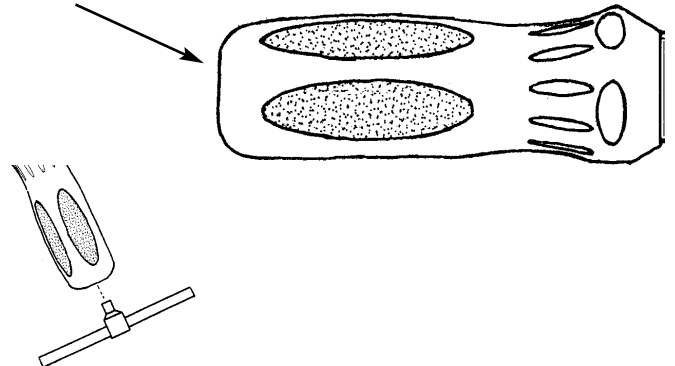
1. Select a torque tester or torque sensor that covers the torque range of the EMT screwdriver. Connect screwdriver to the torque tester or torque sensor using the appropriate adapters as needed.
2. Apply torque clockwise slowly until screwdriver 'slips' and note reading.
3. Adjust screwdriver to required torque setting as described below.
4. Test and repeat adjustment as necessary to obtain desired value.
5. Recalibrate torque screwdriver at prescribed intervals.



## Adjusting Torque Setting (During Calibration)

1. Insert hex key into hole located at end of rubber grip. (Note do-not attempt to remove rubber grip from the tool).
2. Turn hex key clockwise to increase torque and counter clockwise to decrease torque. Do not adjust torque above or below the recommended torque ranges.
3. Seal End Hole with Black RTV Sealant.

Insert hex key

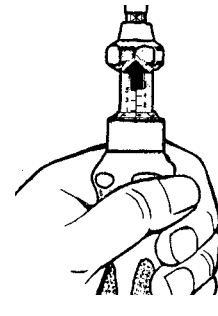
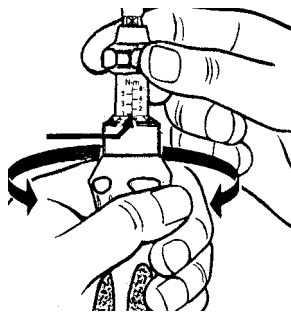
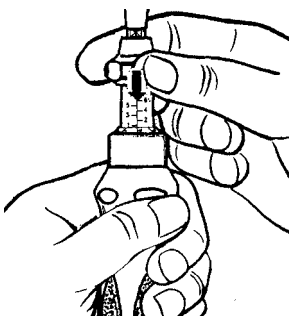


## EMT 6, 9, 50 & 80 models are supplied with a T-Bar

1. Snap T-Bar into the slot located in the grip.

## Setting and Applying Torque

1. Set desired torque on the scale. Pull down on the "Adjustment Ring" and turn handle clockwise to increase torque and counter clockwise to decrease torque on the scale. Align the desired torque value on the micrometer scale. Release "Adjustment Ring."
2. Tighten nut or bolt by applying steady twists. Screwdriver should be kept at 90 degrees to axis of bolt during tightening. When pre-set torque is reached, the screwdriver will 'slip.'
3. The screwdriver will automatically reset itself for the next application.
4. With its unique cam-over design, it's impossible to over tighten beyond the preset load.



# Ergo Micro Torque (Externally Adjustable) Screwdriver Operating Instructions

Rev 3.2 (4/18/2014)

## Maintenance Schedule

Like an automobile, torque screwdrivers contain moving parts that require periodic servicing and lubrication.

## Expected Tool Life

With normal use – 100,000 operations

## Period between Resetting of Torque

5000 operations (as recommended in BS EN 26789:1994). It is acknowledged that some tools achieve 5000 operations in a relatively short period of time. Under these circumstances the user may decide, with the benefit of their experience, to increase the period between calibration checks.

## Routine Maintenance

After 100,000 operations, strip, clean & re-grease the Spindle, Cam & Roller. Any worn components should be replaced.

**Note:** Any tool that is dismantled during its life must be re-lubricated in accordance with the Mountz recommendations. Do not clean tools by immersing them in solvent, as this will destroy the internal lubrication and cause failure of the tool.

## Tool Lubrication Chart for EMT

Shell Stamina EP2 Grease	Total Multis EP2	Silicon Grease RS 555-083
General Use Ball Housing	Handle Threads	'O' Rings

## Testing & Servicing

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. Regular torque calibration of a hand screwdriver ensures accuracy, repeatable tool performance, and adherence to international standards.

We recommend a general once a year calibration interval. However, it is the user's organization that must determine suitable intervals based upon equipment performance, application, degree of usage and management objectives.

## 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 two 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.