

TLS Prime Screwdriver Operating Instructions

Rev 1.0 (6/9/2015)

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 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.

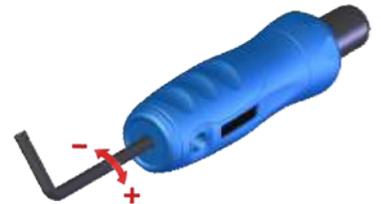


To Increase Torque Setting

1. Insert the 5mm hexagon key through the hole on the bottom section and turn Clockwise.

To Decrease Torque Setting

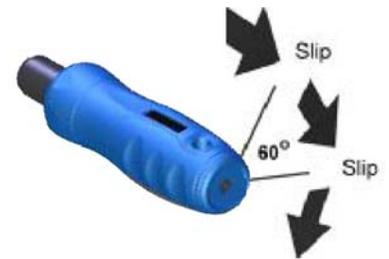
1. When adjusting, always approach the required torque from a lower setting.
To reduce the torque setting, insert the 5mm hexagon key into the hole on the bottom section and rotate counterclockwise past your setting. Then clockwise to increase torque to the required value.



Note! Take 10 consistent readings on the Torque Analyzer to confirm the torque setting. Do not adjust torque above or below the recommended torque ranges.

Applying Torque

1. Tighten nut or bolt by applying steady twists. Always ensure that the screwdriver is in correct alignment with the fastener. Screwdriver should be kept at 90 degrees to axis of bolt during tightening. When pre-set torque is reached, the screwdriver will 'slip.' The handle rotates through an angle of 60 degrees before resetting.
2. The screwdriver will automatically reset itself for the next application.
3. With its unique cam-over design, it's impossible to over tighten beyond the preset load.



Safety & Maintenance

1. Only hold the tool using the hand grip.
2. Ensure the tool is clean and free of oil, grease and water before use.
3. Never dip into cleaning fluid or petroleum.
4. Do not use as a hammer, chisel or pry bar.
5. Designed for low volume fastening applications. Limited to 2,000 life cycles.

Accessories

1. Quick conversion from 1/4 F/Hex to 1/4 Sq Drive with accessory # 020175.

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.

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