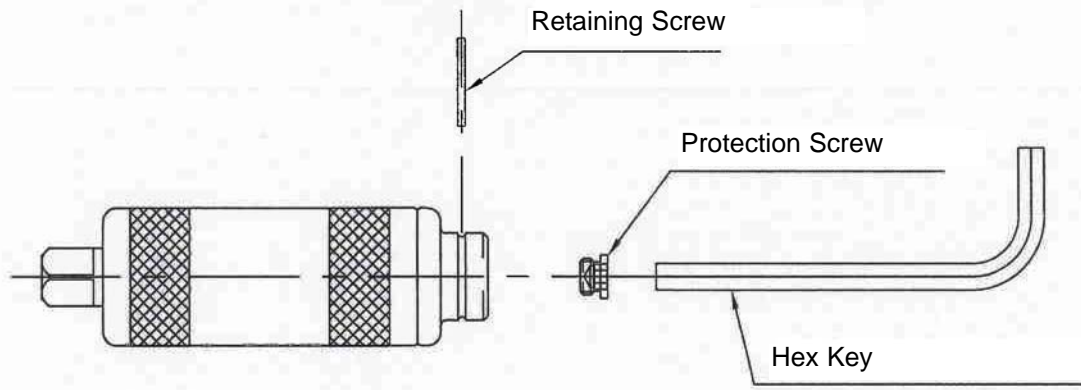


## RTU (Rotary Torque Unit) Operating Instructions

Rev 1.0 (July 6, 2011)



The Rotary Torque Unit is designed to be used 'in-line' to limit torque for both manual and certain power-driven applications.

### Calibrating RTU

To calibrate Rotary Torque unit either use a torque tester or torque sensor within the range of the RTU. For the Rotary Torque Unit 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 RTU. Connect RTU to the torque tester or torque sensor using the appropriate adapters as needed.
2. Apply torque clockwise slowly until RTU unit 'slips' and note reading.
3. Adjust RTU to required torque setting as described below.
4. Test and repeat adjustment as necessary to obtain desired value.
5. Recalibrate RTU at prescribed intervals.

### Adjusting Torque Setting

1. Using 3/16" Hex Key remove Protection Screw from the bottom of Input drive.
2. Insert same hex key through the Input Drive and engage with hexagon in Adjusting Screw.
3. Turn hex key clockwise to increase torque and counter clockwise to decrease torque. Do not adjust torque above or below the recommended torque ranges. Check the torque setting with a suitable torque tester. Tighten Protection Screw back on.

### Applying Torque

1. Tighten nut or bolt by applying steady twists. RTU should be kept at 90 degrees to axis of bolt during tightening. When pre-set torque is reached, the RTU will 'slip.'
2. The RTU 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.

### 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.

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