

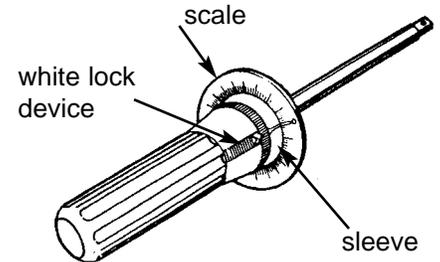
# TT Dial Screwdriver Operating Instructions

Rev 1.0

## Calibrating Torque Dial Screwdrivers

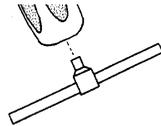
To calibrate torque dial screwdrivers either use a torque analyzer or torque transducer within the range of the torque screwdriver. For torque screwdrivers calibrate torque in "Peak" mode with an analyzer or transducer. Make sure to apply the torque slowly and smoothly.

1. Select a torque analyzer or transducer that covers the torque range of the TT dial screwdriver. Connect screwdriver to the torque analyzer or transducer using the appropriate adapters as needed.
2. Apply torque clockwise slowly at all major graduations and note reading.
3. Perform calibration adjustments, if needed, as described below.
4. Test and repeat adjustment as necessary to obtain specified accuracy.
5. Recalibrate torque screwdriver at prescribed intervals.



## Calibration Adjustment

1. Loosen set screw on side of the handle and slide handle off the tool.
2. Loosen two slot head screws on the clamp fixture at end of tube assembly. Slide clamp fixture towards back of the tool to lower reading and towards the front of tool to raise reading.
3. Slide handle back onto tool. Insert 0.30" gap-setting gauge between handle and rotating bezel and tighten set screw on side of the handle.

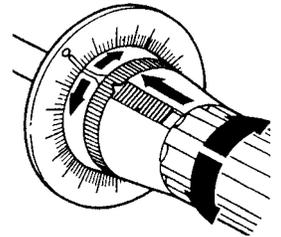


## TT 250 & 500 models are supplied with a T-Bar

1. Snap T-Bar into the slot at the end of the handle.

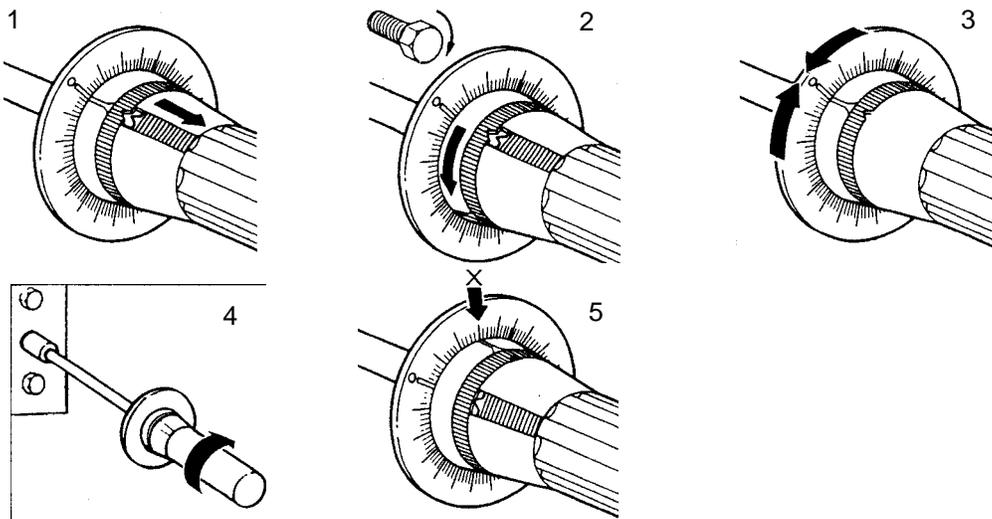
## Applying Torque: "Track Mode"

1. Slide the white lock device into the "V" cut in the sleeve. Set the white arrow pointer to "0".
2. Tighten nut or bolt by applying steady twists. Screwdriver should be kept at 90 degrees to axis of bolt during tightening.
3. The white arrow pointer will track the torque as it is applied and will return to "0" when released.



## Applying Torque: "Peak Memory Mode"

1. Disengage the white lock device from the "V" cut in the sleeve, which allows the sleeve to rotate freely.
2. To test a fastener in the clockwise direction, rotate the sleeve counter clockwise until it reaches a hard stop. To test a fastener in the counter clockwise direction, rotate the sleeve clockwise until it reaches a hard stop.
3. While holding the sleeve at the 'stop' position, loosen the knob beneath the scale and turn the scale so that the pointer on the sleeve is lined up to the "0" position.
4. Apply torque to the application.
5. After torque is complete, the maximum torque can be read from the scale as indicated by the pointer.
6. Reset the sleeve manually to the 'stop' position and then apply torque again.





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