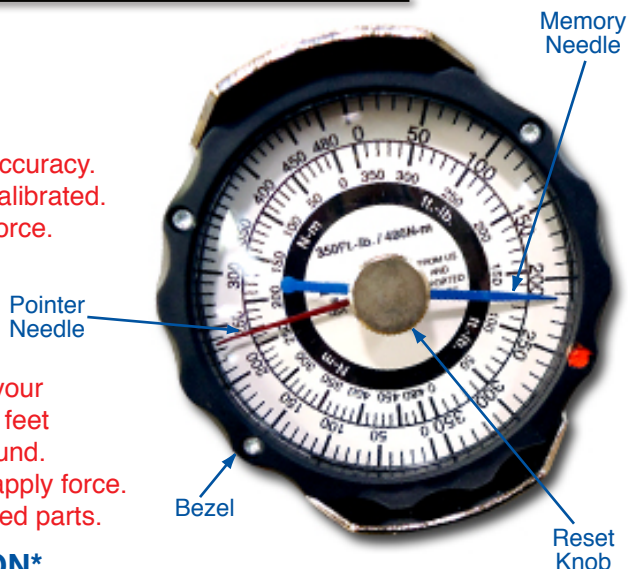


# Dial Indicating Torque Wrench

## Operating Procedure

### SAFETY WARNINGS:

- Always wear safety glasses.
- Periodic recalibration will ensure accuracy.
- Do not use if torque wrench is uncalibrated.
- Do not use cheater bars to apply force.
- Do not exceed the maximum range of the torque wrench.
- Apply torque by pulling on the wrench, instead of pushing.
- Never use the wrench to balance your weight while applying torque. Your feet should be firmly placed on the ground.
- Never "bounce" on the wrench to apply force.
- Never use worn, dirty or mismatched parts.



### MEMORY NEEDLE OPERATION\*

1. Rotate bezel in the counter-clockwise direction until the memory needle hits the pointer needle. Continue to rotate the bezel until the memory needle points to zero on the scale to be used.
2. Apply torque. The pointer needle will push the memory needle as torque is applied. When the memory needle reaches the desired value, stop applying torque. The pointer needle will return to zero and the memory needle will stay at the maximum torque applied.
3. After reading the torque value, reset the memory needle by rotating the reset knob in the counter-clockwise direction, until the memory needle touches the pointer needle.
4. Before starting another torque cycle, point the memory needle to zero by rotating the bezel in the counter-clockwise direction.

\* Counter-clockwise operation is accomplished in the opposite manner.

### POINTER NEEDLE OPERATION

#### Prior to use

It is recommended to cycle the wrench to full scale three times, in the direction to be used, and then set to zero.

#### To Set Zero

If not using the memory needle feature, rotate the bezel until the pointer needle points to zero. If using the memory needle feature, set the zero as described above under Memory Needle Operation.

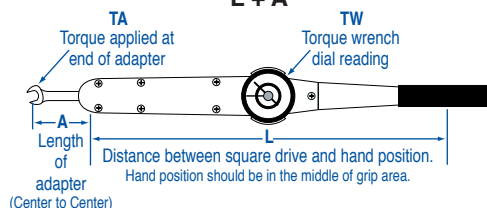
#### Pointer Needle Operation

Apply torque until the point needle reaches the desired torque value. When the torque is removed, the pointer needle will return to zero. Always reset to zero between torque cycles.



### TORQUE EXTENSION CALCULATOR\*

$$\text{Formula: } \frac{TA \times L}{L + A} = TW$$



\*Check out our online Torque Extension Calculator at:  
[www.belknaptools.com/support-and-downloads](http://www.belknaptools.com/support-and-downloads)