

# Micrometer Adjustable Torque Wrench

-Note- proper torque increases the safety and overall usage of the product. Please understand the usage of this tool to obtain maximum use.



## How to use:

1. Hold the wrench in hand with graduations visible with the marked arrow elementary scale up, then unlock knurled handle by turning lock nut counter clockwise.
2. Set amount of torque required by turning knurled handle to read exact amount on case graduations. Example: 55 Newton Meters
  - A. Turn the silver knurled handle until the zero ("0") graduation on the bevel edge of the knurled handle is lined up with the lower ("~") vertical mark on the body of the wrench and is even with the desired torque (for example: our goal is to achieve a 55 Newton Meters graduation, thus your line up should be with the 49 Newton Meters mark).
  - B. To achieve the exact torque of 55N-M you must first check to make sure the "0" on the handle is in line with the lower vertical line on the 49N-M. From here turn the handle until the "6" is in line with the 49N-M. This will give you a total of 55N-M.
  - C. Lock handle securely by turning lock nut (Black round knob) clockwise, and now wrench is set at 55 Newton Meters, which is ready to use. See figure 1 and 2.
3. Install the proper socket or attachment to the square drive and apply to nut or bolt and pull handle until you feel and/or hear wrench "click". Release pull and wrench automatically resets for next operation.
4. Do not continue to pull after wrench releases. Use special care at low torque settings that will pull stops when wrench clicks.

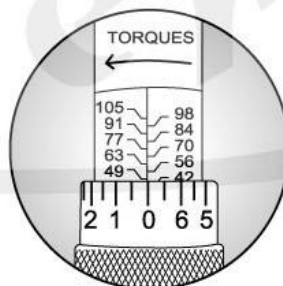


Figure 1 49 Newton Meters

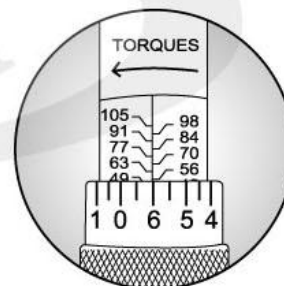


Figure 2 55 Newton Meters

## ⚠ Caution:

1. If wrench has not been used or has been in storage for some time, operate it several times at a low torque setting which permits special internal lubricant to re-coat internal working parts.
2. When wrench is not in use, keep doing adjustment at lowest torque setting.
3. Do not turn handle below lowest torque setting.
4. Do not continue pulling on the wrench after pre-set torque has been reached and the wrench has been released. Pressure must be taken off the handle and the wrench allowed to automatically reset itself, continuing to apply pressure after the wrench has been released will result in damages to the parts being torque by applying more than the specified amount of torque.
5. Tool is rugged and designed for shop use, but is also a precision measuring instrument and should be treated as such.
6. Clean wrench by wiping. Do not immerse in any type of cleaner which may affect special high pressure lube with which the wrench is packed at the factory.
7. This torque wrench was calibrated and tested before leaving the factory and is accurate to  $\pm 4\%$ . THIS IS A PRECISION MEASURING INSTRUMENT. CALIBRATION AND SERVICING MUST BE DONE REGULARLY AND IS THE OWNERS RESPONSIBILITY.

