



Factory repair and Cal.
 at: Stanley Proto 2195
 E. View Parkway, Suite 103
 Conyers, Ga. 30013

Primary scale + Secondary scale = Torque setting

General Description

Your torque screwdriver complies to ANSI standard B107.14M, Type 3, Class A, Style 1.

In operation, the drive is released as a preadjusted torque is reached. The tool automatically resets for the next application after additional rotation. Torque is controlled to within specified accuracy limits in the right hand direction at or above 20% of the maximum scale capacity.

Setting Torque

1. Pull down the lock collar to unlock the adjusting sleeve.
2. Hold the knurled portion of the adjusting sleeve and turn handle clockwise to increase torque.
3. To obtain torques between values on the primary scale, adjust the handle until the sum of the primary scale and the secondary scale are equal to the desired value. For example, To adjust to 24 IN.OZ turn the handle past 20 until the number 4 is lined up with the center line of the primary scale (20+4).
4. When the desired value is reached release the lock ring and the spring loaded auto lock will engage and lock the mechanism in place.
6. When storing the screwdriver return the adjusting sleeve to the minimum setting.

Applying Torque

1. Attach the proper driver bit or socket and place it onto the fastener being torqued.
2. While holding the screwdriver by the handgrip only, apply a **SLOW** and steady twisting motion to the handle until it releases and clicks.

Note:

A slight amount of friction may be felt when the mechanism is rotating between clicks. This friction is normal and has no effect on the accuracy or click point of the screwdriver.

IMPORTANT MUST READ BEFORE USE!

Due to Hysteresis (Hysteresis is a naturally occurring property in ALL spring materials when going from compression to tension) you should always adjust "UP" to the torque value you are adjusting to. This will result in the highest accuracy possible and compensate for naturally occurring hysteresis. For example: If you are using the screwdriver at 36 in.lb. and then want to set it and use it at 6 in.lb. you should adjust the screwdriver to BELOW 6 and then adjust back up to 6 in.lb.. This procedure will put the spring in compression when setting the new torque value.

Storage

To avoid placing a "set" in the torque spring always store the screwdriver below the minimum useable range of the screwdriver. For example, set the 6-36 in.lb. screwdriver below 6 when not using the screwdriver. A slight amount of tension on the spring will keep the internal mechanism in place so adjusting all the way to the stop is not recommended.