1375 Park Avenue Sycamore, IL 60178
Worldwide Phones: 815-895-5181

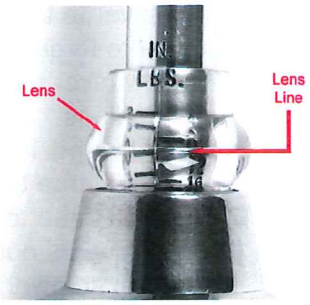
Contactus@idealindustries.com
www.idealind.com

Operating Instructions
IDEAL INDUSTRIES, INC.
35-936 IDEAL Adjustable Torque Screwdrivers

The IDEAL INDUSTRIES, INC. adjustable torque screwdrivers are designed and manufactured to provide consistent user-settable torque in varying assembly or maintenance applications. These tools meet or exceed ASME B107.300-2010 and ISO 6789 specifications of +/- 6% preset value accuracy from 20% to 100% of capacity, and +/- 1.2% of capacity below 20% of capacity. These tools meet or exceed this requirement in both the clockwise and counter-clockwise directions.

Our adjustable torque screwdrivers signal the operator that the torque setting has been attained by emitting a distinct audible and tactile impulse (click"). These adjustable torque screwdrivers do have graduations and the torque must be set to the desired level before use.

Torque Adjusting Key Extended



Cautions

- Always wear appropriate safety equipment when using any hand tool.
- Only use hand tools for their intended purpose.
- Never exceed the rated capacity of the tool.

Capacity, Range and Graduation

35-936.....2-36 inch-pounds/2-4 Nm.....2 in. lbs./.2 Nm

Setting the Torque

1. Remove the black vinyl cap from the rear of the screwdriver.
2. Raise the Torque Adjusting Key from the stored and locked position.
3. Rotate the torque adjusting key to align the lens line with the desired torque.
   a. Use the markings on the shaft to determine torque scale and setting.
   b. Rotate the Torque Adjusting Key clockwise (CW) to increase the torque setting.
   c. Rotate the Torque Adjusting Key counter-clockwise (CCW) to decrease the torque setting.

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4. When the desired torque is directly under the Lens Line, fold the Torque Adjusting Key back to the stored and locked position. If desired, use the enclosed screw to affix the Torque Adusting Key in place.
5. Replace the black vinyl cap on the rear of the screwdriver.

Operating The Screwdriver

1. Set torque per procedure above.
2. Insert the bit (or adapter and socket) into bit holder on end of shaft.
3. Engage fastener completely with bit (or socket).
4. Rotate screwdriver steadily until "click" is heard and felt. Further rotation will not tighten fastener further.

Use of Extensions and Adapters

Only in-line extensions, bits and adapters should be used with your screwdriver. The maximum recommended overall length of any extension is six inches (6").

Care and Cleaning

Return screwdriver to its lowest setting when it is to be stored for any period of time. Clean the screwdriver with a soft, damp cloth. Do not immerse the screwdriver in cleaning fluids.

Calibration Instructions

Equipment Required: Torque tester of ± 1% Indicated Value accuracy or greater within the torque range of the screwdriver, and 1/16" hex key

Procedure

1. Set screwdriver to test point.
2. Engage tool to torque tester.
3. Rotate screwdriver to obtain three (3) readings.
4. Evaluate readings.
   a. If screwdriver is in specification:
      1. And all three test points have been tested, test is complete.
      2. And all three test points have not been tested, adjust to next test point and return to step 2.
   b. If screwdriver is not in specification:
      1. Return screwdriver to 20% setting.
      2. Test on torque tester.
      3. Disregard markings on shaft and adjust torque until consistent readings of 20% of capacity (8 in.lbs., or 0.8 Nm, or 8 KGF•cm) are obtained on tester.
      4. Use 1/16" hex key to loosen the Lens Set Screw (below Lens on nose of screwdriver).
      5. Rotate Lens until Lens Line is aligned with the shaft marking correlating to the test result.
      6. Re-tighten Set Screw and retest.

Service and Calibration

Factory repair and calibration in our ISO/IEC 17025 Accredited Calibration Laboratory can be obtained by sending the screwdriver and your instructions to: IDEAL Industries Calibration 555 Kimberly Drive, Carol Stream Il, 60188.