

Torque Limiting Screwdriver – Prime, Pro & ESD

How to use and care for your TLS Preset Torque Screwdriver

Tool Specification

Models: Pro, ESD (Torque Range from 0.05 – 13.5 N.m)

Models: Prime (Torque Range from 0.20 – 4.5 N.m)

Repeatability: +/- 6% of Torque Setting (Pro & ESD)
+/- 10% of Torque Setting (Prime)

ISO 6789 Class: Type 2, Class F (Pro & ESD only)

Calibration Period: Every 12 Months or 5000 cycles minimum (Pro & ESD)

Mechanism: Slipping - Incorrect tightening is impossible

EPA Compliant: ESD versions only



Safety & Maintenance

- ✓ This Torque Tool is a precision instrument and should be used for its intended purpose only
- ✓ Only hold the tool using the handgrip
- ✓ Always ensure that the tool is in correct alignment with the fastener
- ✓ Torque tools should be regularly calibrated and inspected to ensure correct operation
- ✓ Ensure the tool is clean and free from oil, grease and water before use
- ✗ Do not use extension bars to increase the leverage of the handle
- ✗ Never dip into cleaning fluid or petroleum

Preset Torque Screwdrivers Prime, Pro & ESD

Drehmomentbegrenzende Schraubendreher,
Tournevis dynamométrique a Pre-Reglage,
Atornilladores Con Limitador De Par – Grifiviti Limitadori Di Coppia



Operators Manual

Instructions Part Number P34980 Issue 6

TLS Screwdrivers – Prime, Pro & ESD

How to adjust your Torque Screwdriver

To check setting:

Use a Torque Analyser.

To adjust the torque setting:

Use a 5 mm hexagon key to remove the end cap Fitted to Pro and ESD models, in an anti-clockwise Direction. Also remove the T-bar where fitted.

To increase the torque:

Use a 2.5mm hexagon key to loosen the adjuster locking screw by ½ a turn. Insert the 5mm hexagon key into the adjuster and turn Clockwise. Tighten the locking screw to 1.5N.m Using the 2.5mm hexagonal key once required torque value is reached.

To reduce the torque:

Use a 2.5mm hexagon key to loosen the adjuster locking screw by ½ a turn. Insert the 5mm hexagon key into the adjuster and turn anti-clockwise below the required setting, then turn clockwise to approach the new value. Tighten the locking screw to 1.5N.m using the 2.5mm hexagonal key once required torque value is reached.

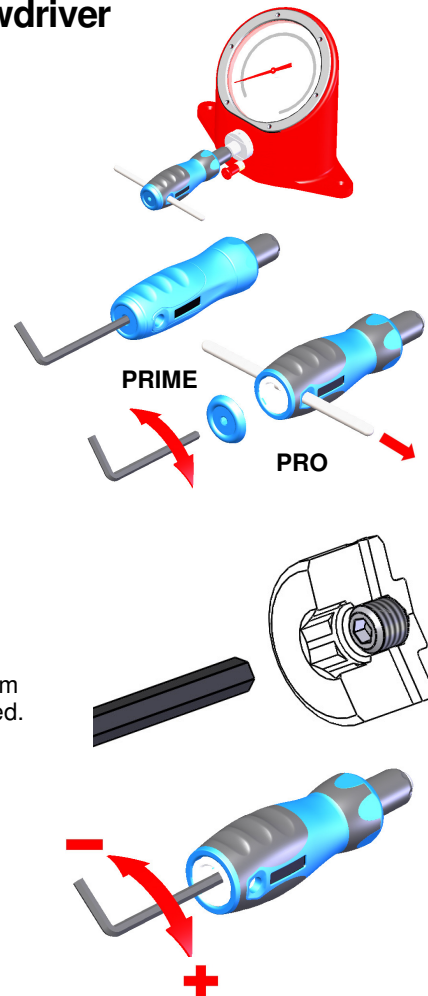
Take 10 consistent readings on the Analyser to confirm the torque setting.

To use Torque Screwdriver:

The Pro, ESD and Prime Screwdrivers are designed for use with sockets, screwdriver bits and blades.

⚠ Servicing Information

Regular servicing of your Torque Tool by competent personnel is important to ensure it continues to perform correctly.



Measure



- Torque measuring tools are used in Research, Development, Inspection and Quality Control where there is a need to check torque settings. This type of tool can also be used in a servicing or Production environment to apply torque.
- Measuring Torque Tools feature a dial or digital readout and are available in screwdriver or wrench formats.

Apply



- Torque applying tools are used to apply a set torque to a fastener. The tool will **Click**, **Break** or **Slip** to signal to the operator when the set torque has been achieved.
- **Preset** tools are ideal for production areas where the same torque is applied repeatedly.
- **Calibrated Scale** tools are operator adjustable and are ideal for servicing applications where ease of adjustment is essential.

Calibrate



- **Mechanical** Analysers offer a low cost robust and easy to use device, designed to set and calibrate low range torque tools.
- **Digital** Analysers allow the user to download test results, test powered torque tools and reach higher torque values than are possible using mechanical analysers.
- Regular calibration to International Standards is vital to ensure that your torque equipment is operating at its peak performance.