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Part Number & Description

250-000	In-Line Test Kit



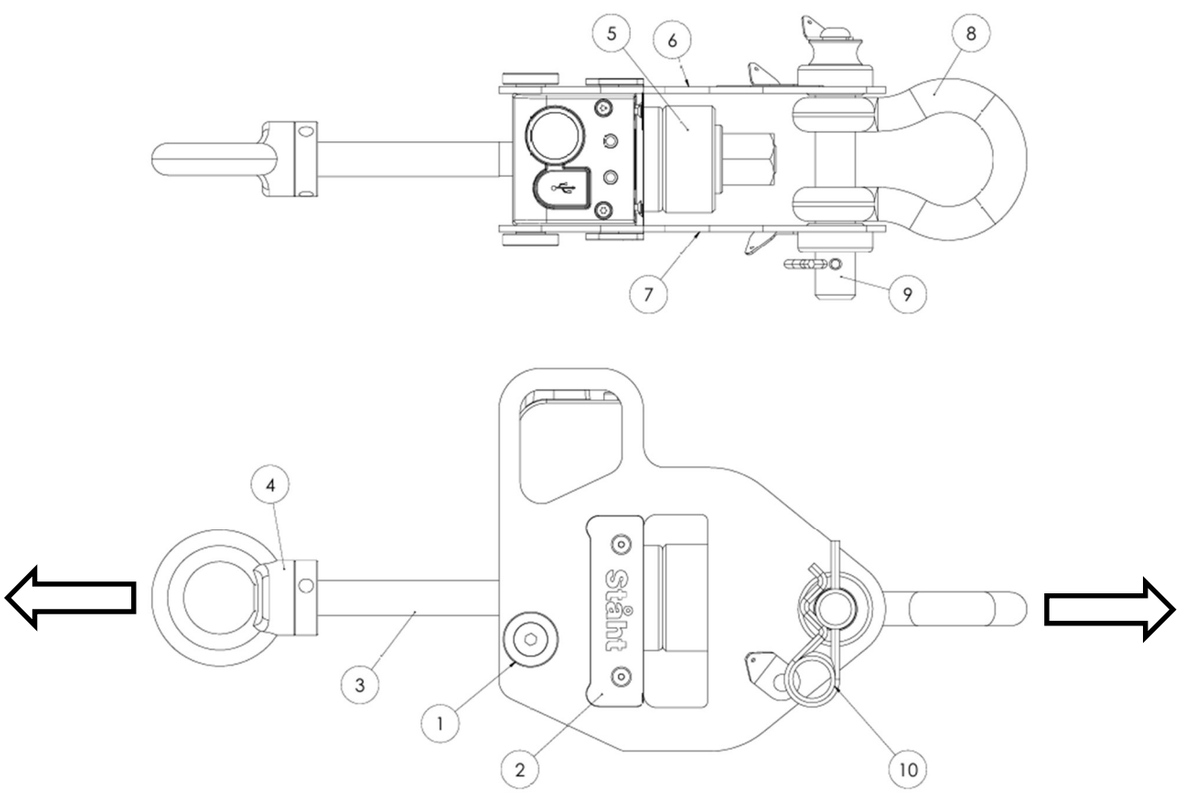


Fig 1

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Intended Use – For performing inline load testing between two anchorage points to a maximum of 25kN (5620 lbf).

Description of User - This equipment is to be used by a Competent Person. A competent person is someone who has sufficient training and experience or knowledge that allow them to perform the task for which the equipment is designed for effectively and in a safe manner.

Retaining Instructions - Read and understand this manual and its safety instructions before using this product. Failure to do so can result in serious injury or death. Follow all the instructions. This will avoid fire, explosions, electric shocks, or other hazards that may result in damage to property and/or severe or fatal injuries.

The product shall only be used by persons who have fully read and understand the contents of this user manual. Ensure that each person who uses the product has read these warnings and instructions and follows them. Keep all safety information and instructions for future reference and pass them on to subsequent users of the product. The manufacturer is not liable for cases of material damage or personal injury caused by incorrect handling or non-compliance with the safety instructions. In such cases, the warranty will be voided.

Load Cell Instructions – For instructions on the operation of the load cell refer to the separate t25 or t60 User Instruction Manual Provided.

Personal Protective Equipment (PPE) - When using this product, you should wear all required PPE for the area of operation. As a minimum, you should wear safety boots, work gloves and eye protection when using this equipment, irrespective of local conditions. All protective equipment should be fit for purpose. Staht Limited is not liable for the provision, usage, or disposal of any PPE.

Storage and Transportation - When not in use, store the equipment in the Carry Case or the Kit Bag. Store in a dry, secure place, in a temperature between 0-25^{o}C. If storing for longer than 90 days without use, power cycle the battery. If transporting by air, transport with a reduced charge (<50%)

Environment – Use in temperatures between -10°C and + 50°C. Do not use underwater, or in heavy rain. :Use of this equipment in areas with environmental hazards may require additional precautions to prevent injury to the user or damage to the equipment. Hazards may include, but are not limited to; heat, chemicals, corrosive environments, high voltage power lines, gases, moving machinery, and sharp edges.

Maintenance - Check equipment before each use. Keep the equipment clean and dry. To clean, use a clean damp cloth and light detergent and dry. Use a clean brush to keep all threads clear from dirt, dust and debris. Lubrication requirements are detailed in the lubrication section below.

Lubrication – The M16 Rod (3) used on the line tester must be cleaned and lubricated regularly to reduce friction. Apply a light oil or grease (3 in 1, WD40, GT85 or similar) to the drop rod threaded working area and the thread on the clamp bolts to help prevent wear and seizure.

Servicing – All servicing must be done by Staht Limited, or an approved Staht Service Agent. No modifications are permitted to Staht equipment. Only use genuine Staht parts and accessories.

Load Cell Calibration - From the date of purchase, the load cell (2) is calibrated for one year. The "calibration date" and the "next calibration date“ can be found on the calibration certificate, the display screen on startup and in the app and web dashboard. We recommend calibration should be performed annually to relevant National / International Standards by Staht or an approved third party. **CAUTION**: Failure to calibrate the load cell prior to the next calibration date may invalidate any test data.

Removing the t25 Load Cell -Unscrew the 2 x QR knobs (1) from the bridge by hand. Lift the load cell (2) from the bridge. To re-install, reverse the procedure. **CAUTION**: Take care to align the screws and tighten the screws when reinstalled in the bridge.

1 Year Guarantee – Against any material or manufacturing defect. Exclusions: normal wear and tear, oxidation, modifications or alterations, incorrect storage, poor maintenance, negligence, uses for which this product is not designed.

Troubleshooting / Frequently Asked Questions – Please refer to www.staht.com for more information.

2. Nomenclature

Fig 1 - (1) QR Knob, (2)Load Cell, (3) M16 Drop Rod , (4) 4 Tonne Eyebolt ,(5) M16 Sealed Thrust Nut, (6)Left Hand Side Plate, (7) Right Hand Side Plate, (8) 3.2 Tonne Shackle (9) Shackle Pin, (10) R Clip

3. Test Preparation

Before starting the Test Procedure follow the preparation steps below.

WARNING - When working at height ensure the tool lanyards are used to secure the inline tester.

CAUTION – Perform a visual inspection of all the components which make up the inline tester. Testing should ONLY be performed by a competent person.

Load Cell – For instructions on the operation of the load cell refer to the t25 or t60 User Instruction Manual.

4. Test Procedures for Staht Inline Tester - MAX 25kN

WARNING: Do not exceed the maximum load. Max 25kN / 5620 lbf).

WARNING: Ensure all of the correct PPE is being worn by the user before starting the test.

WARNING: Do not use electric drill drivers or impact drivers to apply torque to the sealed thrust nut.

Assembling the Inline Tester (See Figure 1)

i. Place the load cell (2) between the two side plates (6 & 7). Positioning the grab plates through the slots and align the digital display with the profile of the plates.
ii. Screw in the two QR knobs (1) hand tight to secure the load cell.
iii. Attached the Eyebolt (4) to the drop rod(3) and feed it though the load cell (2). Fully engage the drop rod (3) with the M16 Sealed Thrust Nut (5).
iv. Carefully slide the shackle pin (9) through the left hand side plate(6), the shackle (8) and the right hand side plate(7). Secure in place with R clip(10) through the hole in the shackle pin(9)

Proof Testing with the Inline Tester (See Figure 1)

1. Use the 40kN Karabiner provided in the kit to connect the eyebolt(4) to an anchor point.

2. Connect the shackle (8) to a Ratchet Lever Hoist or similar. The Ratchet Lever Hoist must a have a MAX capacity equal to or greater than the required test load.

3. Apply the load using the Ratchet Lever Hoist until the desired test force has been reached. If you are using the Staht Connect App, follow the on screen instructions.

4. Once the test has finished, remove the load on the Ratchet Lever Hoist and disconnect safely.

Declaration of Conformity

Staht Limited declares, under its sole responsibility that the products named on this document have been tested to the Standards stated on this document and complies with the Directives stated.

Approved Signatory RHirst **Date** 10/11/24

Robert Hirst, Managing Director

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