



HASTECRail

HASTECLTE
HEIGHT & STAGGER
GAUGE QUICK
START GUIDE



Patent Pending GB1913222.4



HASTECRail

HASTEC LTE (HEIGHT AND STAGGER GAUGE)



INDEX

1. Pre-Operation
 - 1.1 Equipment Setup
 - 1.2 Laser Buttons and Functions
2. End of Operation
 - 2.1 Care and Maintenance
3. Other HASTECRail Products



1. PRE-OPERATION

Fig 1.1



1

Remove the equipment from its carry case and place the case away from the work area.

2

Place the left pad onto its rail and push inwards whilst lowering the right pad onto opposite rail. Fig 1.1 shows the process and completion.

3

Lift the vertical arm into its upright position. Fig 1.2 Lock into place by using the latch clamp. Fig 1.3.

4

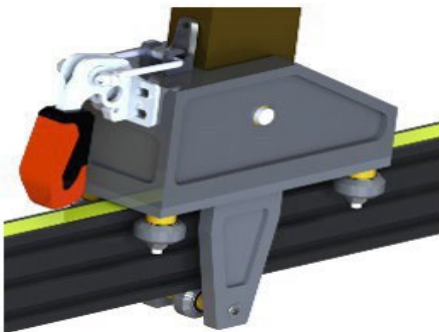
Gently rock the beam side to side to ensure the arm is correctly secured into place.

5

A quick visual inspection of the equipment to check for any damage and that all devices are secure and present.



1. Lift arm until vertical.



2. Locate locking bar into clamp and pull down on handle until it locks.



3. Once completed, it should look like this.

1.1 HASTECRAIL EQUIPMENT SET UP

Fig 2.1

The gauge is moved into position by using the twist knob see fig 2.1.

Activate the laser by pressing the Main Function Button once. Press the button again to take the required measurement.

The CANT reading can also be taken by using the digital level as seen in fig 2.1.

Details of the laser buttons and functions are shown on the next page. Fig 2.2.

Stagger readings can be taken by reading the measurement tape on the base of the LTE through the reticle on the base of the arm. Fig 2.5.

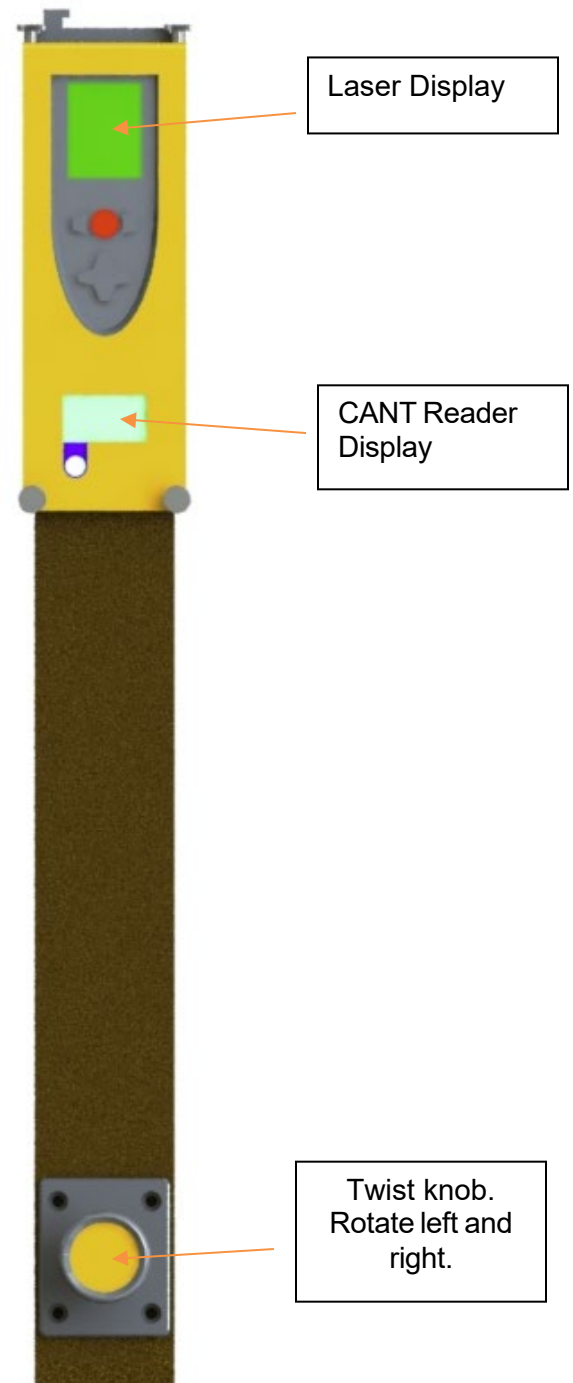
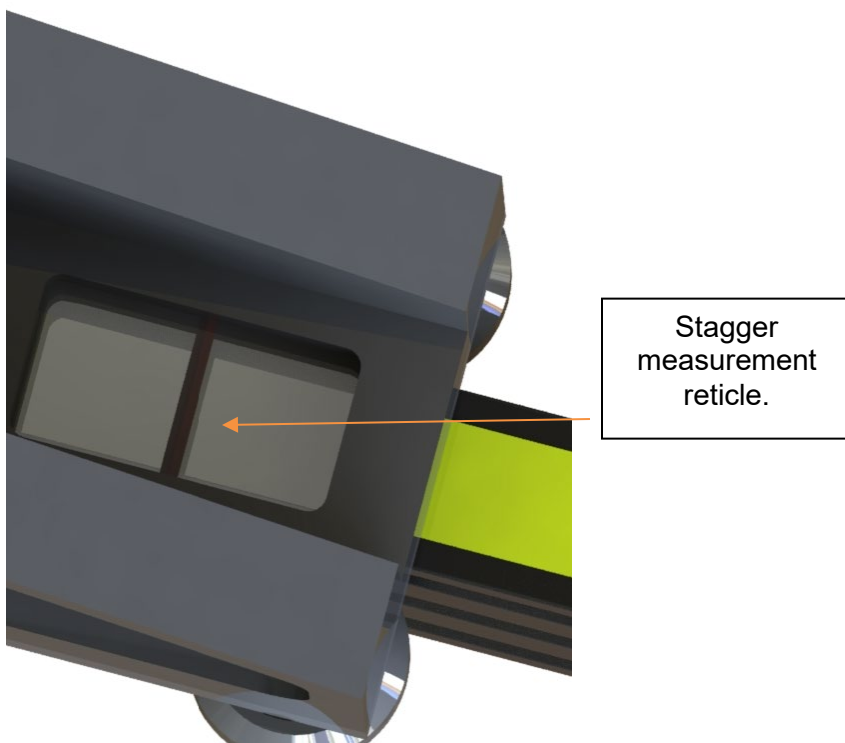


Fig 2.5



1.2 LASER BUTTONS AND FUNCTIONS

Cancel/Off Button:

- This button resets all previous measurements back to 0. (May require multiple presses due to camera function).
- Press and hold to turn the laser device off.

Main Function Button:

- This button initially turns the laser device on
- Pressing again will take a measurement.

Fig 2.2



2. END OF OPERATION

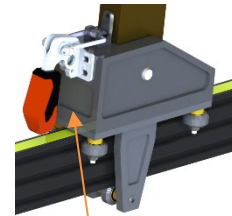
1

Ensure that no debris or foreign objects have become lodged within the equipment, by way of a visual inspection.

Fig 3.1

2

Using the twist knob, move the vertical arm back to the center of the track.



3

Release the locking mechanism so that the arm can be folded down into its horizontal transportation position and locked in place. Fig 3.1 - Fig 3.3.

Pull up on the locking bar to unclamp the arm.

Fig 3.2

4

To release the equipment from the rail, hold the unit from underneath and push against the rail towards the left side.

Carefully lifting the right side away from the rail.

When it is clear the LTE H&S gauge can be fully lifted and removed from the rails.



Fig 3.3

5

Carefully place the equipment back into its carry case.

6

We recommend that after the end of a survey, the equipment's battery charge levels are checked.

Where they are indicating a low level, they should be charged in respect to the tablet and batteries replaced on the laser device.



2.1 CARE AND MAINTAINANCE

User Advice

- Check that the bearing surfaces that contact the rails are free from dirt and contaminants and can move freely.
- Ensure that the Disto X3 Laser has sufficient battery life before undertaking work with the Height and Stagger Gauge.
- Ensure that the Laser window of the Disto X3 have been cleared of any dirt or debris.
- Ensure that the Tablet has sufficient battery charge before undertaking work.
- Ensure that the Height and stagger LTE Gauge has been stowed away correctly as shown in the 'End of Operation' Page.

Calibration

- The HASTECRail Height and stagger LTE Gauge will require a re-calibration every 12 months. To arrange the re-calibration of the gauge please contact HASTECRail using the contact details provided at the bottom of the page.

HELPLINE AND SUPPORT

HASTECRail operates a help service to provide customers with solutions to any problems they may experience with any of our products.

Helpline number – 01246 906956

This helpline will operate during normal business working hours; however, if for any reason there are difficulties, alternative contact details at the bottom of this page.

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3. Other HASTECRail OLE Products

HASTECRail Con-Tec Gauge System

PADS No: 0091/030680

The Con-Tec measuring device is an overhead line live measuring tool which has been ergonomically designed using lightweight, non-conductive polymer materials.

The Con-Tec is fully compatible with the existing approved OLE Live Line Working Pole (LLWP). This allows overhead line teams to measure the amount of wear on the contact wire as a result of contact with the pantograph.



HASTECRail SHEC System

PADS No: 0091/030681

The SHEC is an OLE live line precision measuring device, designed to be used by OLE teams in the efficient measurement of OLE geometry and gauge clearance surveys.

The device is fully adjustable between 0 and 90 degrees in order to take measurements between horizontal and perpendicular planes, removing the need to work at height using traditional WAH methods such as a MEWP.

