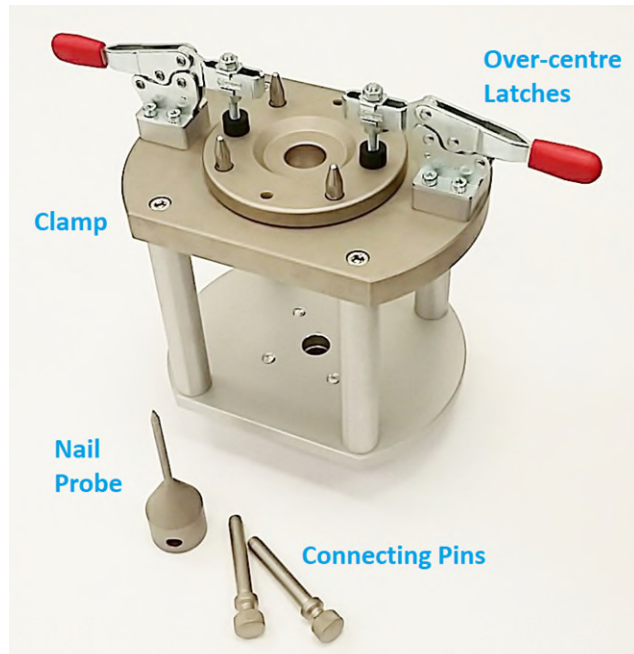


T32 – EN 388 Nail Puncture Kit

This note explains how to setup and use the new T32 Nail Puncture Kit.

Parts for Titan5 and Titan10



Stock Code: 794-835

Additional Parts for Titan5

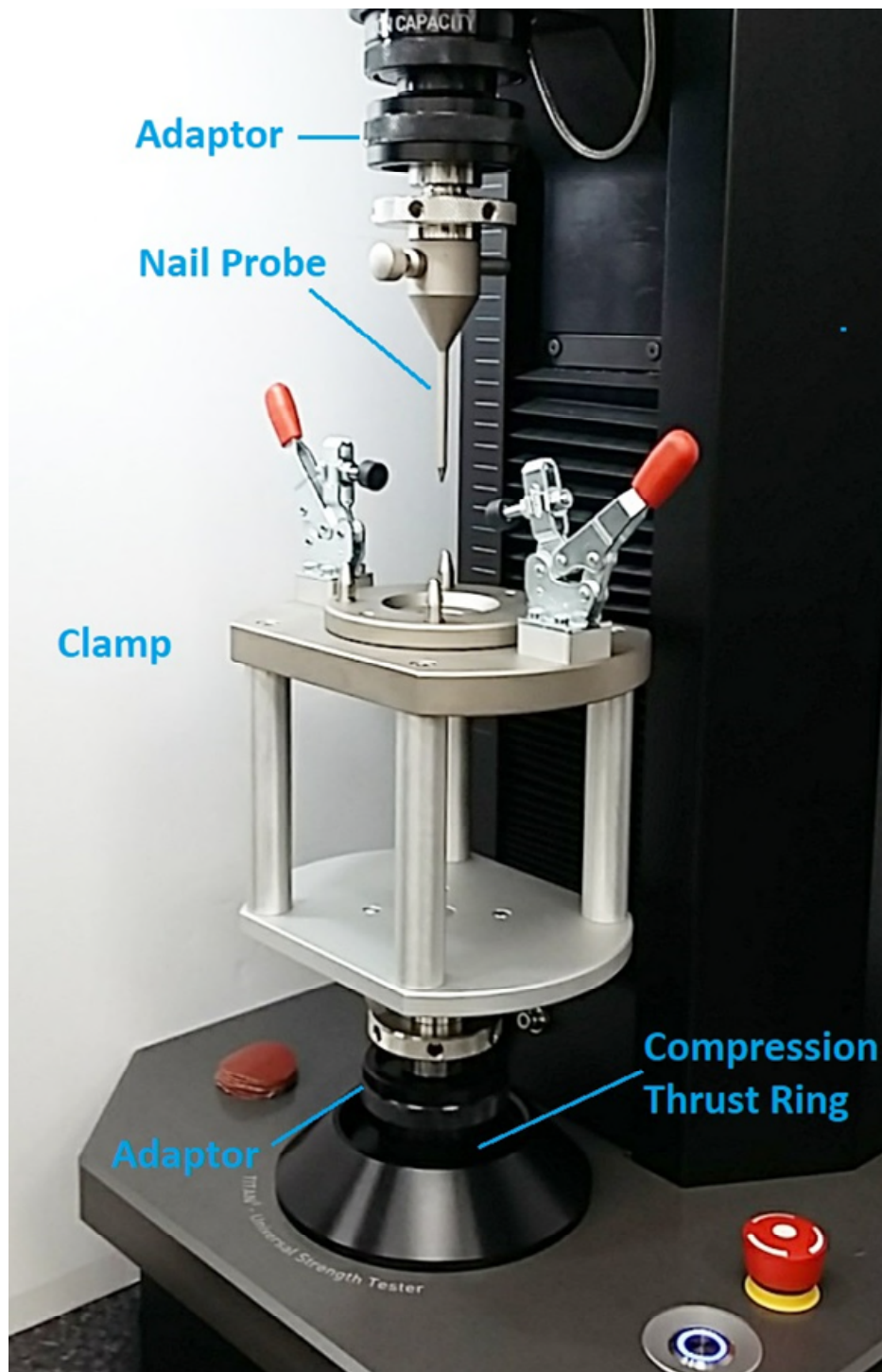


Adaptor stock code: 794-414
A pair of adaptors are required.

Compression Thrust Ring stock code: 543-135
One thrust ring is required.

Setup on Titan5

Adaptors and Compression Thrust Ring are not required for Titan10.



Setup T32

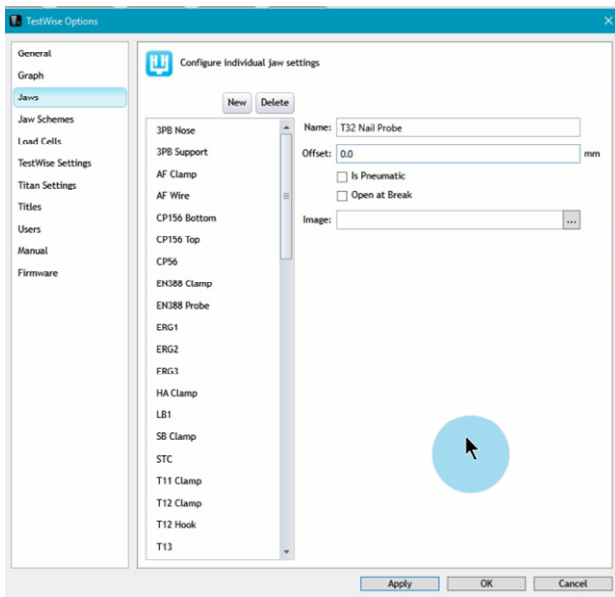
The setup process has two (2) steps:

- Setup the Jaws
- Setup Jaw Scheme

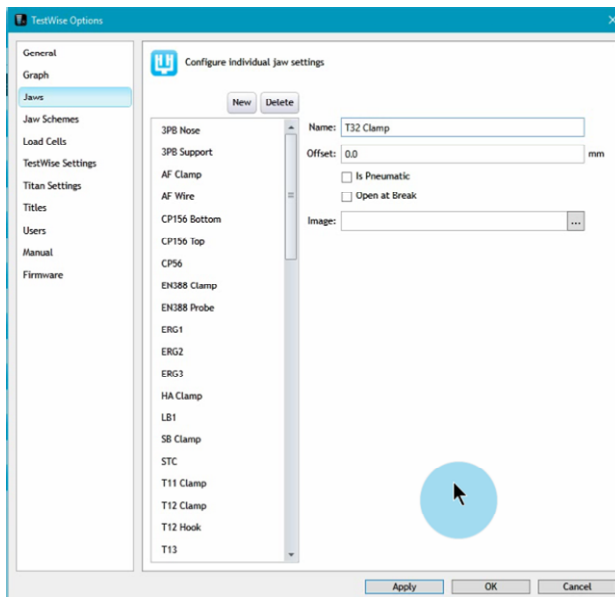
Jaws

This is when we define the part or parts to be used in Jaw Schemes.

In TestWise, goto File > Options > Jaws and click the New button.



Type the Name "T32 Nail Probe"
Leave the offset and check boxes blank
Click Apply



Click the New button again

Type the Name "T32 Clamp"
Leave the offset and check boxes blank
Click Apply

As the T32 Nail Puncture tooling is used in Compression mode, please fully consider these risks !

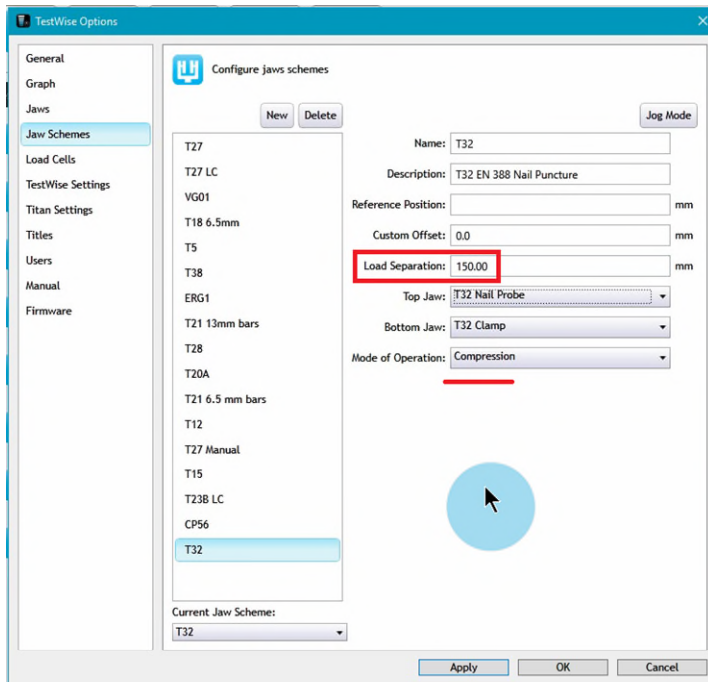


Please understand that during this set up procedure, and during testing, the parts of the fixture, specifically the Nail Probe, is going to be moving downwards towards the clamp and **there is a risk of hand crushing and injuring from the sharp point.**

**CAUTION
SHARP POINT**

Please work through this set up procedure exercising caution at all times while bearing in mind these risks.

Jaw Scheme



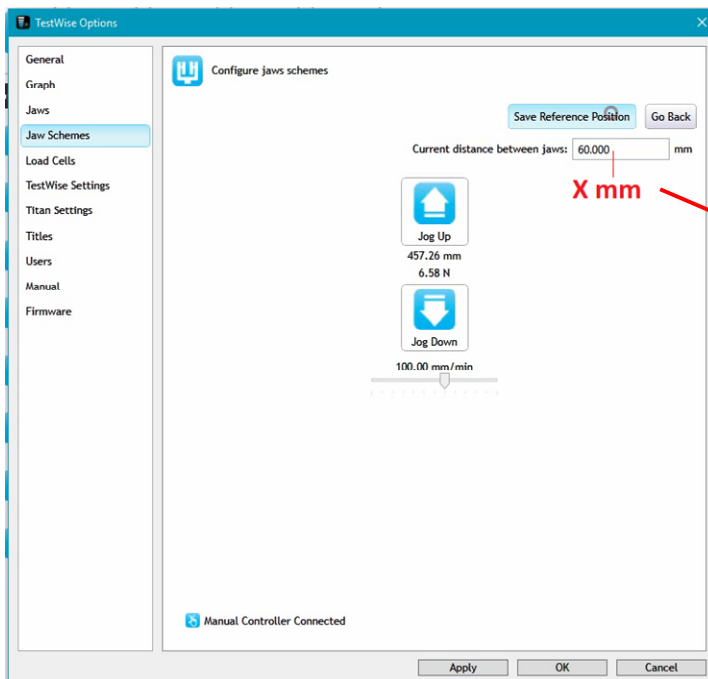
Click on Jaw Schemes, then New
Type the Name and Description as shown here

Enter 150 for the "Load Separation" – this will be explained later.

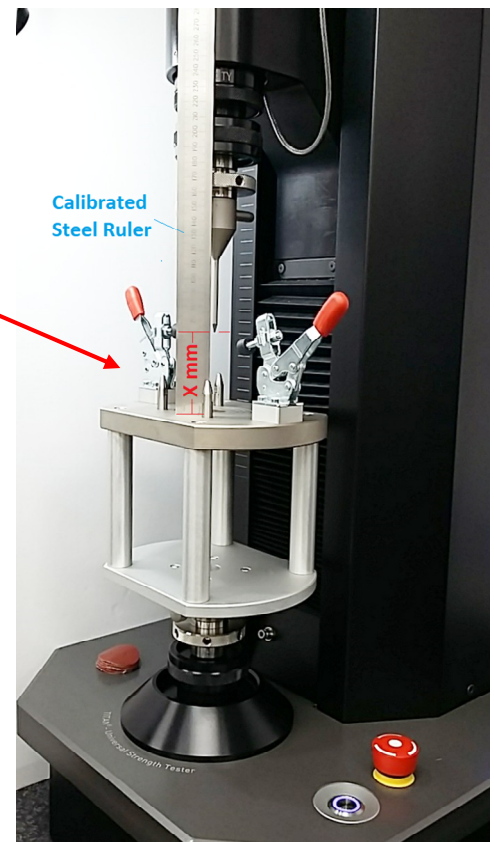
Select the Top and Bottom jaws, as previously defined in "Jaws"

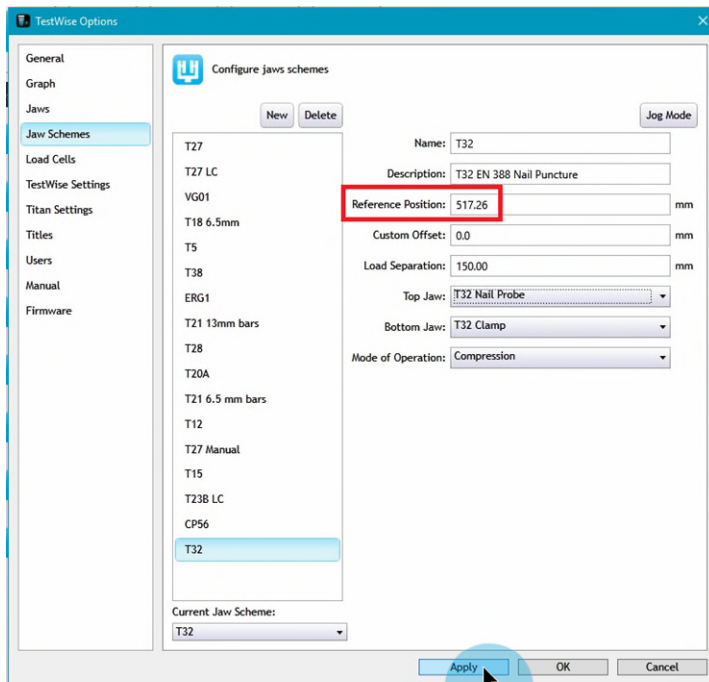
Ensure **Compression** mode is selected

Then click the Jog Mode button



Measure the distance "X" between the tip of the Nail Probe and the lower plate of the Clamp (top plate removed) and enter this value





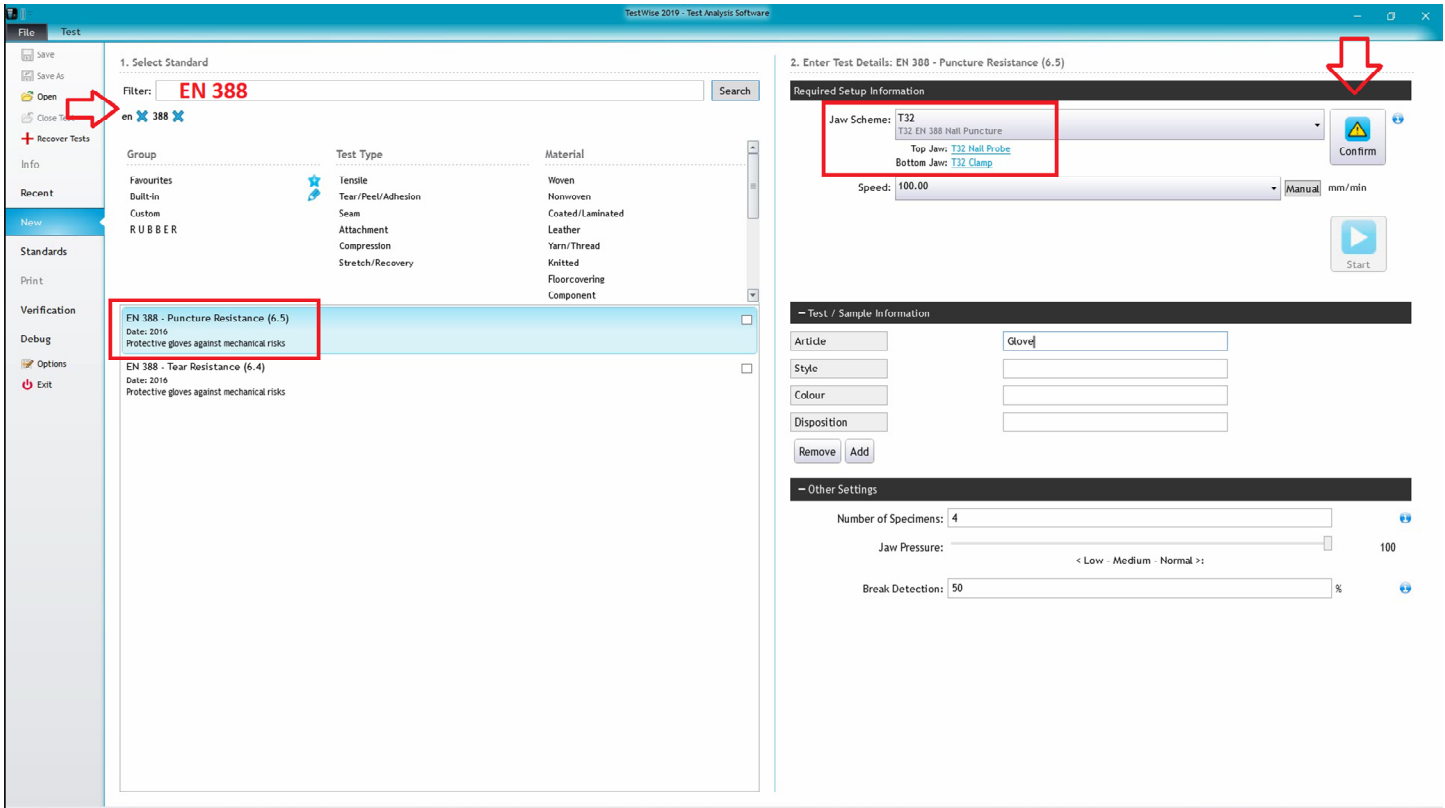
The Reference Position is automatically calculated

Click Apply, followed by OK

The Jaw Scheme is now setup and ready to use

Using T32

From TestWise, search for "EN 388" and select Puncture Resistance. Ensure the T32 Nail Puncture jaw scheme is selected and then visually check it is physically attached to Titan, then click Confirm. Enter Test Information as required, then click Start.



The screenshot displays the TestWise 2019 - Test Analysis Software interface. The left sidebar contains a menu with options: File, Test, Save, Save As, Open, Close Test, Recover Tests, Info, Recent, New, Standards, Print, Verification, Debug, Options, and Exit. The main window is divided into two sections: "1. Select Standard" and "2. Enter Test Details: EN 388 - Puncture Resistance (6.5)".

In the "1. Select Standard" section, the "Filter" is set to "EN 388". A table lists various standards, with "EN 388 - Puncture Resistance (6.5)" highlighted. The table has columns for Group, Test Type, and Material. The "EN 388 - Puncture Resistance (6.5)" entry is described as "Protective gloves against mechanical risks".

In the "2. Enter Test Details: EN 388 - Puncture Resistance (6.5)" section, the "Required Setup Information" is displayed. The "Jaw Scheme" is set to "T32 EN 388 Nail Puncture". The "Speed" is set to "100.00 mm/min". A "Confirm" button is visible. Below this, the "Test / Sample Information" section includes fields for Article, Style, Colour, and Disposition. The "Other Settings" section includes fields for Number of Specimens (4), Jaw Pressure (set to "Normal"), and Break Detection (50%).

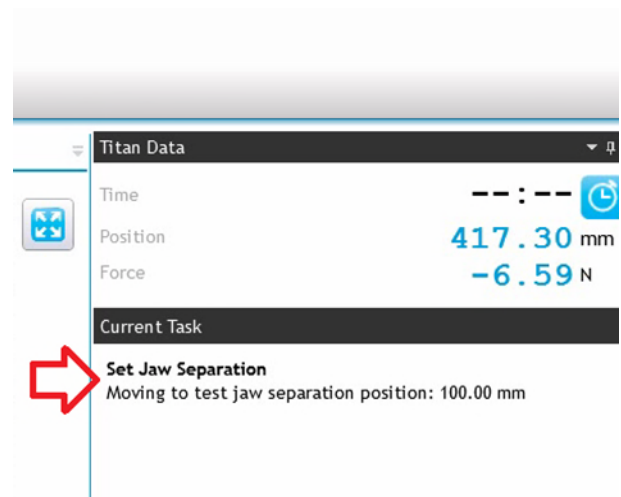
As this tooling is used in Compression mode, this message will be displayed:



**CAUTION
SHARP POINT**

To continue, you must click **Acknowledge** to indicate that you understand that during this test the parts of the fixture, specifically the Nail Probe is going to be moving downwards towards the clamp and **there is a risk of hand crushing and injury from the sharp point.**

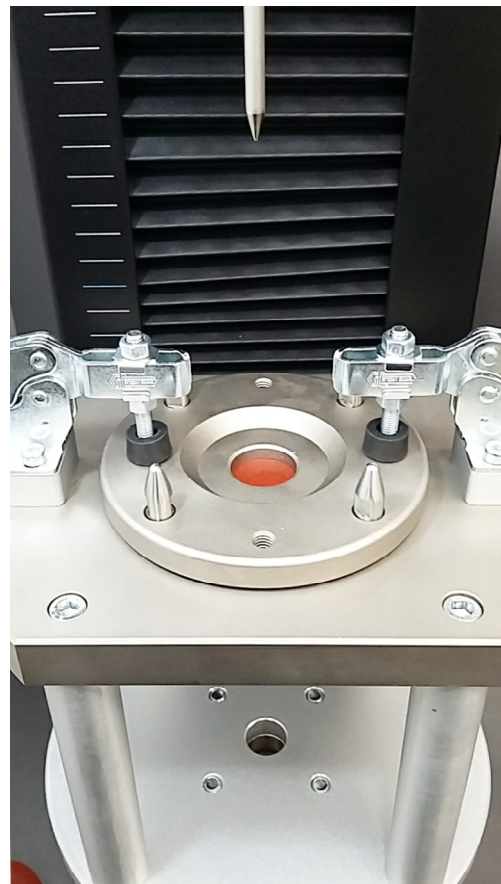
Once Acknowledge has been clicked, the Nail Probe will begin to move to 100 mm separation. This is only a starting point and the exact position – the Nail Probe just touching the specimen – will be set in the next step.

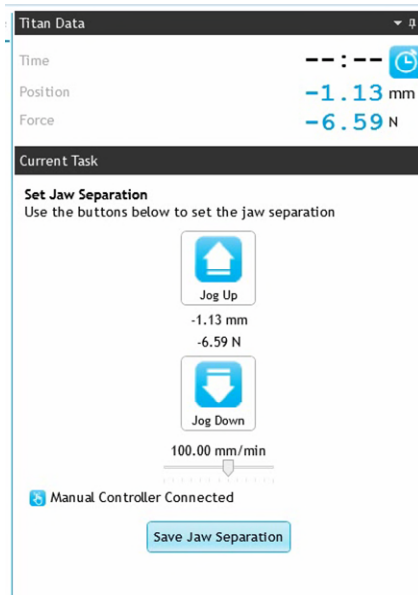




Remove the Top Plate and place the Test Specimen centrally over the bottom plate orifice, with the outer side of the glove facing upwards.

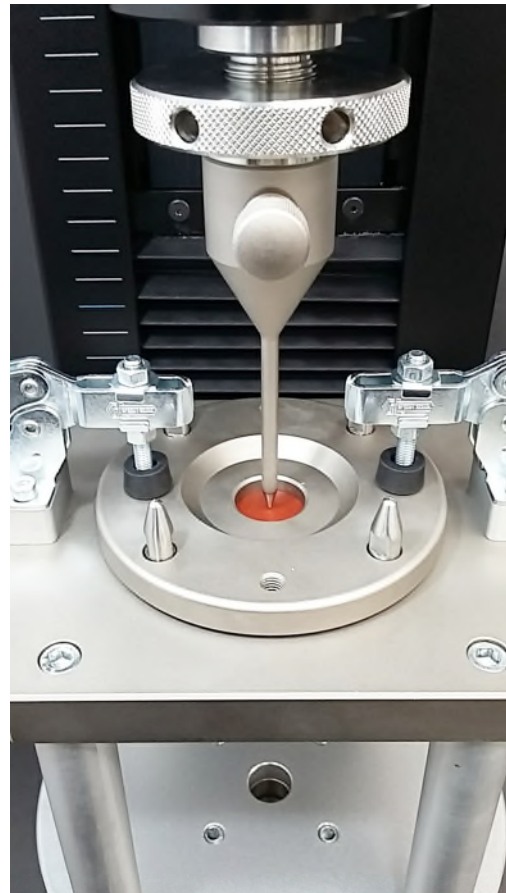
Then replace the Top Plate and close both of the latches, locking the Top Plate and Test Specimen in place.





Carefully and slowly move the Nail Probe downwards until it just touches the surface of the Test Specimen.

Then click Save Jaw Separation.
This position will be remembered for subsequent specimens.





When ready, click the Run button or press the Titan Button to begin the test.

The Nail Probe will move downwards, usually puncturing the Test Specimen. Once the Nail Probe has moved by 50mm, it will stop and return to the Load Position.

After each test specimen is completed, the Nail Probe will move to a safe position so that the next specimen can be loaded into the clamp without the risk of touching the sharp point.

Continue until all the specimens have been tested.

[END]

