



## TEST SUMMARY

**Date:** 28/04/2026 12:51

**Test Company:** North Essex Signs Limited

**Name of Tester:** Darren Cross

**Client Name:** NES Test Report

**Name of Witness:** Howard Phillips

**Site Name:** NES Works

### CONCLUSIONS

Both CD studs held 3kN loads easily and without issue.

The 2mm metal plate bent and permanently deformed before any sign of CD stud failure.

The failed test was due to 2mm metal plate deformation.

## NES M8 CD STUD TENSION TEST

28/04/2026 12:51

Tester	Email	Company	Telephone
Darren Cross	darren.cross@nes-solutions.co.uk	North Essex Signs Limited	+(44) 01206 843200

SITE		CLIENT	
<b>Name</b>	NES Manufacturing Facility	<b>Name</b>	NES
<b>Address</b>	Excelsior House, Wyncolls Road, Severalls Industrial Estate, Colchester, Essex, United Kingdom, CO4 9HU	<b>Address</b>	Excelsior House, Wyncolls Road, Severalls Industrial Estate, Colchester, Essex, United Kingdom, CO4 9HU
<b>Contact</b>	Darren Cross	<b>Contact</b>	Howard Phillips
<b>Email</b>	darren.cross@nes-solutions.co.uk	<b>Email</b>	howard.phillips@nes-solutions.co.uk
<b>Telephone</b>	+(44) 01206 843200	<b>Telephone</b>	+(44) 01206 843200

## NES M8 CD STUD TENSION TEST

Category	Substrate	Fixing Type	Size	Manufacturer	Part Number	Component Type
Fixing	2mm Weathering Steel	CD Stud	M8	Studfast	M8 x 20 LAW mild steel CD Studs	Preliminary Load Test

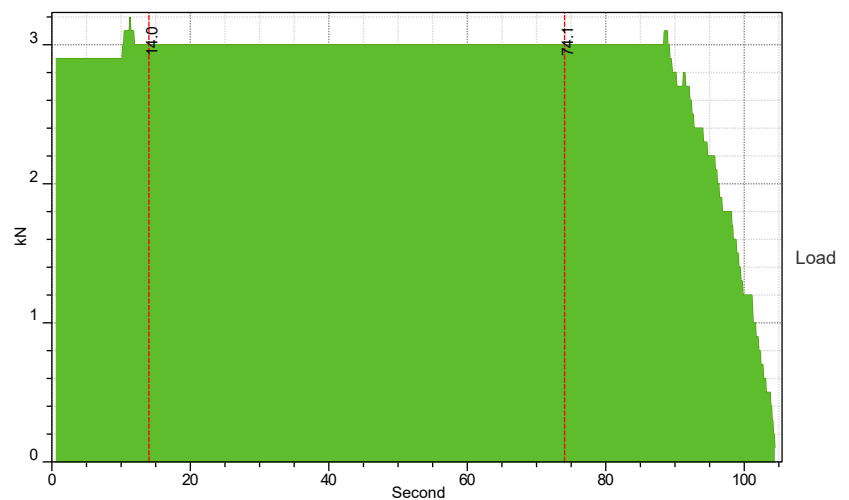
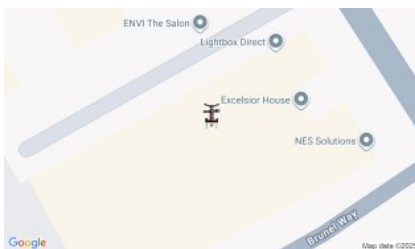
Task Results:	3 Tests	2 Passed	1 Failed
CD stud 1 (Equipment: MAN6997 25kN, Calibration Expiry: 26-Aug-2026 23:00)			<input checked="" type="checkbox"/>

Duration	Total Time	Target Load	Load Achieved	Displacement	Reference	Result
1 min	104 secs	3kN	3.2kN		JC95YNL6REZMFE1	Passed

Longitude: 0.9279829263687134

Latitude: 51.91987228393555

Test Date: 28/04/2026 10:40



OverTime Chart

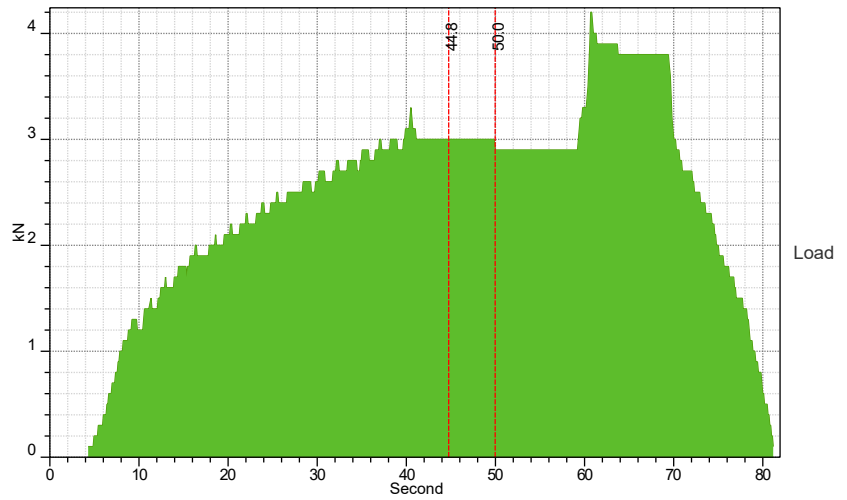


Duration	Total Time	Target Load	Load Achieved	Displacement	Reference	Result
1 min	81 secs	3kN	4.2kN		HMUGWYYESXPCSD	Error, Re-test?

Longitude: 0.9279829263687134

Latitude: 51.91987228393555

Test Date: 28/04/2026 10:46



OverTime Chart

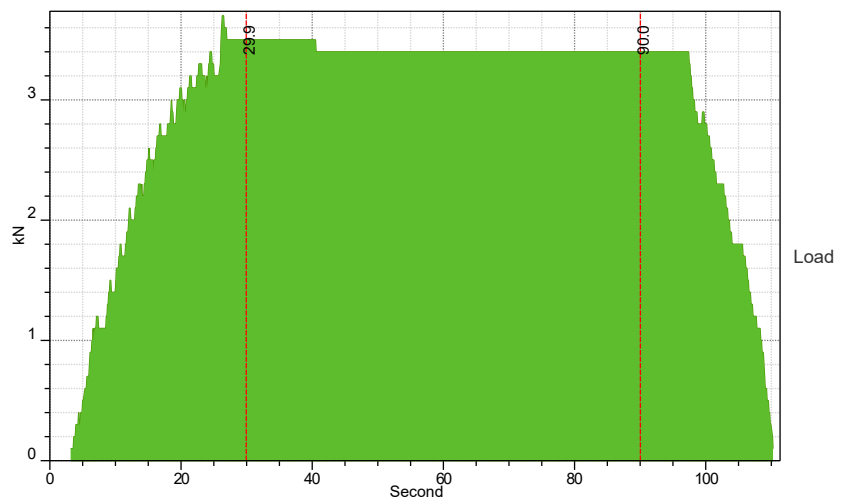
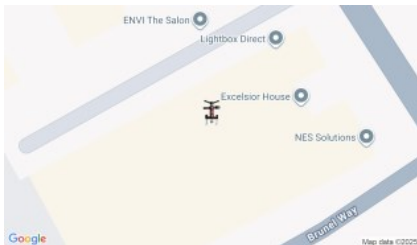


Duration	Total Time	Target Load	Load Achieved	Displacement	Reference	Result
1 min	110 secs	3kN	3.7kN		OQ83TTENGJJ1E4	Passed

Longitude: 0.9279829263687134

Latitude: 51.91987228393555

Test Date: 28/04/2026 10:52



OverTime Chart

CD stud 2-01  
Test images:

